

Debby Kriegel/R3/USDAFS

04/02/2009 01:04 PM

To sleslie@swca.com

cc Debby Kriegel/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES, ccoyle@swca.com,
tfurgason@swca.com

bcc

Subject Proposed Rosemont Mine - Recreation Analysis

Steve:

Thanks for your help with the issue statement worksheet for recreation and the chapter 3 outline.

We should discuss what your next few steps will be. I'm assuming you're familiar with the MPO and Reclamation Plan. What else do you need?

Some other assorted thoughts related to recreation...

1. We have GIS files for recreation sites (including developed sites, trailheads, sightseeing routes, etc.), ROS settings, and trails for the Santa Ritas. Do you already have this data? You also may want topo, roads, land ownership, wilderness, etc. You'll want to create a recreation resources map for the vicinity to determine which opportunities (including the many places mentioned by the public), are potentially effected by the project. Since your analysis will also include off-forest sites (tourism in nearby communities, other nearby public lands, etc.), you'll also want this data, though I don't know if we have much.
2. At our meeting this week, Kathy Arnold (RCC) mentioned that she has a map of noise limits for the project. I recommend that you get this info and overlay it onto the map from step 1.
3. A portion of the Arizona Trail has been relocated by RCC to avoid the project area. We have a GIS file for this trail, but I'm doubtful that it's the current route, and although I can ask our folks to GPS this trail, it's far from certain whether they'll have time to do so. What do you recommend?
4. I have heard that the Arizona Trail has been nominated as a National Scenic Trail. Would you please look into the status of this bill...and what typically results from such a designation? (I'm guessing there will be increased use)
5. Do you have any ideas for estimating the types and numbers of visitors to the site? It'd be nice to have something better than just an exhaustive list of all the possible dispersed recreation activities that might happen in the area. For example, ADOT's road counters on Hwy 83 might be helpful (this data is on their website). Also, I think I remember that Keith Graves (the past Nogales District Ranger) was handing out flyers to OHV visitors at the site. Would you please give him a call to discuss whether he received any input or data from this? Keith's number is (520) 403-4528. Are hunting permits site-specific (and therefore provide additional data)? Perhaps you have other ideas for quantifying use.
6. I don't know what recreation special use permittees operate in the Santa Ritas (or in the project area). Please call our special uses person, Duane Bennett at (520) 378-2838 to get information.
7. When do you plan to draft the Affected Environment section for recreation? Do you want/need to visit the project area?
8. At our meeting this week we began discussing alternatives. Do you have any thoughts on alternatives (or mitigation) for recreation?

Would you please provide a rough strategy for your work (steps/tasks, schedule, etc.) using the issue statements and worksheet, items above, and any additional thoughts you have? That would be a good start for our further discussions.

Thanks!

Debby Kriegel, RLA
Landscape Architect
Coronado National Forest
300 W. Congress
Tucson, AZ 85701

(520) 388-8427
Fax (520) 388-8305
dkriegel@fs.fed.us



"Marcie Bidwell"
<mbidwell@swca.com>
03/25/2009 02:35 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc
bcc
Subject RE: Visual Resource Strategy

Debby,

Thanks for the email~ I need to say that we are having email issues and if I do not respond it may very well be because we are *selectively* not receiving emails. So I apologize, and ask that if I do not seem to respond by email to let me know. Then I can call IT again to fix the problems.

I sent the revised strategy sheet right after our conversation; I am resending it in case you did not receive it. If you had sent it back to me for more revisions, please resend your message.

Did you have the RCC meeting or ID Team meeting and discuss the strategy yet?

I look forward to catching up!

Thanks for checking in,
Marcie

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Wednesday, March 25, 2009 10:59 AM
To: Marcie Bidwell
Subject: Visual Resource Strategy

Marcie: Were you going to send me the revised strategy spreadsheet? Or are you still working on it? Send it whenever it's ready for my review. Thanks! Debby[attachment "Visual_Resource_Proposal_2009-03-19.xls" deleted by Debby Kriegel/R3/USDAFS]



"Marcie Bidwell"
<mbidwell@swca.com>
09/30/2009 11:48 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc
bcc
Subject Visual !~ need to coordinate

Hello Debby,

I just heard from Tom that the EIS is due to the FS by Oct 12- which you know I will be out from Oct 3-18, so I have 2.5 days to supply the following that has been requested for visual (from Tom F):

For your section (indicated below), I would like everybody to complete as much of the following by **October 12** :

1. Finalize Bounds of Analysis (Lara has the GIS data layers for all of the Alternatives) **we have this done for visual**
2. Finalize Draft Affected Environment section based on the Bounds of Analysis - **I will look at edits to include the concern level information and request maps for the AE section**
3. Prepare a very brief Plan of Analysis to determine environmental consequences of each Alternative. This may be simply a sentence such as "Use GIS to calculate acreages of impact." In the case of Night Skies and Visual I will simply insert the Scopes of Work from DSP and Marcie (Respectively). **We should talk about these as I am still expecting that we are still to do the Specialist Report. In which case, we need to draft an outline as to what goes in the specialist report vs the main EIS. As you know, we are still waiting to hear about the Change Order for visual simulations.**
4. Draft Consequences section of Chapter 3 for those sections where data and documentation exists (e.g., grazing, plants, etc.). **Tom is giving Visuals some leeway on this, as he knows we do not have all of the tools to complete the analysis.**
5. Identify data needs to complete Consequences section and submit a budget for your time to complete the section. **This is where we should consult our list and also draft the Specialist Report outline to cover what we envision still needing.**

Obviously, it will take time in October to complete the whole section. The timing is just terrible with my vacation, but we will do what we can.

Are you available sometime on Weds- Friday to discuss?
Marcie

Marcie Demmy Bidwell
Environmental Planner
130 Rock Point Drive, Suite A
Durango, Colorado 81301
Office: 970.385.8566
Fax: 970.385.1938

www.swca.com

Thank you,
Marcie

From: Melissa Reichard
Sent: Wednesday, August 04, 2010 8:46 PM
To: Marcie Bidwell; Debby Kriegel
Cc: Trent Reeder; Jonathan Rigg; Tom Furgason
Subject: Quarry pictures

Ladies-

I was out there today and was able to get all the way to the plant entrance- pretty exciting! I also collected some sample rocks, just in case anyone needed them. The previous pictures that were taken were actually well outside the 10 mile mark, so this should definitely be a defensible color scheme for the sims.

I made 7 separate stops and took some non-zoom and zoomed pictures. Lara gave me a GPS so that we could tell you specifically where I was. I will get that unit back to her tomorrow so she can work that magic. The guestimated ranges of these picture grouping are as follows:

Stop 02- about 9 miles from the Quarry, on Santa Rita Road
Stop 03- about 6 miles from the Quarry, on Santa Rita Road at the electric line crossing
Stop 04- about 4.5 miles from the Quarry, on Santa Rita Road, just past a small dirt road that I think is supposed to be Wilmot
Stop 05- just outside 3 miles from the Quarry, on Santa Rita Road
Stop 06- about 1.5 mile out on the white road going to the Quarry
Stop 07- about 1 mile out on the white road going to the Quarry
Stop 08- about 500 feet from the plant entrance (also where sample rocks were pulled)

In the end, I definitely captured whatever colors are there. I attached the pictures and Lara will be able to give you more definite ranges once I can get this machine back to her. I hope this fits what you needed. I attached a few from Stop 8, but the rest will have to be uploaded to WebEx. I will send out a link tomorrow for that.

Melissa Reichard
Project Administrator
SWCA Environmental Consultants
(520)325-9194 ofc. (520)250-6204 cell

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"Stephen Leslie"
<sleslie@swca.com>
05/27/2010 08:21 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc
bcc
Subject RE: Rosemont Public Roads

Debby,

Very good to know, I'll coordinate with Tom and Jonathan about getting the information from Rosemont.

Closing those roads to public access will definitely change the intensity of impacts.

Steve

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Thursday, May 27, 2010 8:17 AM
To: Stephen Leslie
Cc: Debby Kriegel
Subject: Rosemont Public Roads

Hi Steve,

Some new information...

At yesterday's meeting, Rosemont mentioned that MSHA has imposed some new requirements on public roads. Specifically, if roads are to be used for mine activities, they must be closed to the public. This would include the road over Gunsight Pass, as well as other roads currently open to the public that cross Rosemont's private land.

As you proceed with the road studies/maps for recreation access (existing and proposed), please include these new restrictions. I recommend that you get in touch with Tom Furgason to determine what the best way to obtain this information from Rosemont. I have not had much success getting information from them myself.

Thanks.

~~~~~  
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[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)

Debby Kriegel/R3/USDAFS  
03/05/2009 03:21 PM

To "Marcie Bidwell" <mbidwell@swca.com>  
cc Debby Kriegel/R3/USDAFS@FSNOTES  
bcc  
Subject Rosemont Simulations 

Marcie:

Bev called me on her way out of town for 2 weeks (she's rafting the Grand Canyon). I told her that you wanted to get information about the simulations Rosemont is doing (or plans to do). She told me that you can contact Rosemont directly, but first you need to send an email to Kent, the FS Rosemont project manager while Bev's away (kellett@fs.fed.us) and ask him if it's ok for you to contact Rosemont. Kent should be able to give you the ok. And please cc Bev (beverson@fs.fed.us) and me with your email correspondence with Kent.

Thanks.

Debby



Melissa Reichard  
<mreichard@swca.com>  
Sent by: rosemonteis  
<notify@weboffice.com>

05/07/2009 01:12 PM

To sldavis@fs.fed.us, gmckay@fs.fed.us,  
ehornung@swca.com, sgriset@swca.com,  
tfurgason@swca.com, rbowers@swca.com,  
cc Melissa Reichard <mreichard@swca.com>

bcc

Subject Rosemont Virtual Tour

History:

📧 This message has been forwarded.

Hello All-

I just got the Virtual Tour from Rosemont. Basically, it is Jamie Sturgess talking about Rosemont's plans, the current and future operations. Some explanation of Core samples and the type of ore deposit is also discussed. Although it is from their website and is done according to that audience, it does offer some good shots of the area and the land where the pit is proposed and also some views out to SR83 etc. So, take a look if you are interested.

Thanks!

Mel

P.S. It will probably require your computer to have Quicktime or other movie viewing software installed.

Here's something on Rosemont Copper Project EIS that I'd like you to see. To go directly to the item, click the link below or paste it into your web browser. Please note that some email clients require that all the letters and numbers in the link appear on one line, or else it won't go to the right place.

<<https://rosemonteis.webexone.com/r.asp?a=5&id=144756>>



"Dale Ortman PE"  
<daleortmanpe@live.com>  
04/22/2010 06:55 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc "Tom Furgason" <tfurgason@swca.com>, "Beverley A  
Everson" <beverson@fs.fed.us>, "Melinda D Roth"  
<mroth@fs.fed.us>, "Salek Shafiqullah - USFS "  
bcc

Subject RE: Horst's draft final report - Debby's draft comments

History:  This message has been replied to.

Debby,

To date, I have only received IDT comments from you on the draft landform report prepared by Horst Schor. Please confirm that no other IDT members have commented on the report and that I have all comments from the IDT .

Regards,

Dale

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Dale Ortman PE PLLC  
Consulting Engineer

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[daleortmanpe@live.com](mailto:daleortmanpe@live.com)

PO Box 1233  
Oracle, AZ 85623

**From:** Dale Ortman PE [mailto:daleortmanpe@live.com]  
**Sent:** Friday, April 16, 2010 9:50 AM  
**To:** 'Debby Kriegel'  
**Cc:** 'Tom Furgason'; 'Beverley A Everson'; 'Melinda D Roth'; 'Salek Shafiqullah - USFS '; Rochelle Dresser (rdresser@fs.fed.us); 'Marcie Bidwell'  
**Subject:** RE: Horst's draft final report - Debby's draft comments

Debby,

Yes, there are major issues with this report. I'm committed to other work until early next week, but I will get back to you at that time. Please continue thinking about the report and engage with the other IDT members to develop a suite of comments from the CNF. I'm targeting having a set of comments for Horst by the latter part of next week. The contract gives us one round of review for the draft report so I

want to be sure we have everyone's input.

Regards,

Dale

---

Dale Ortman PE PLLC  
Consulting Engineer

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[daleortmanpe@live.com](mailto:daleortmanpe@live.com)

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**From:** Debby Kriegel [mailto:[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)]  
**Sent:** Thursday, April 15, 2010 10:39 AM  
**To:** [daleortmanpe@live.com](mailto:daleortmanpe@live.com)  
**Subject:** Horst's draft final report - Debby's draft comments

Dale,

I just reviewed the report and here are my initial comments. I'd like to consolidate all of our comments (mine, yours, Salek's, and maybe Tom and/or Marcie's).

In the mean time, please give me a call to discuss. There are some fairly major issues....

~~~~~  
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"Marcie Bidwell"
<mbidwell@swca.com>
02/24/2010 12:06 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Terry L Austin"
<tlaustin@fs.fed.us>, "Walter Keyes" <wkeyes@fs.fed.us>
cc
bcc

Subject RE: Rosemont Roads and Trails

Debby,

Can you tell me if the CLs have changed since the version that you sent dated September 15th, 2009?

Additionally, I recommend that these be forwarded to EPG for their analysis process, as CLs are central to their work as well.

Thanks,
Marcie

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Monday, February 22, 2010 2:54 PM
To: Terry L Austin; Marcie Bidwell; Walter Keyes
Cc: Debby Kriegel
Subject: Rosemont Roads and Trails

Attached is the latest map of concern levels for travelways in and around the Santa Ritas.

Terry: Would you please send this shapefile to Marcie?

J:\fsfiles\office\gisprojects\sup_off\dkriegel\rosemont\concllev\SantaRitaConcernLevels2010.shp

Marcie: Please be sure you're using this version for SMS analysis.

Walt: This map shows the relative scenery/rec importance of roads and trails in the Santa Ritas. Will you be working on recommendations for reconnecting some of the roads around the project area? Rosemont proposed doing this in the MPO (see section 3-5 and figure 3-7), but the actual locations they show on their maps really don't connect much (Kathy says these maps are conceptual). Each alternative will need some new road segments, and we might also want a post-mine road map of some sort. Let's talk about this when you have a few minutes.

Thanks.



"Marcie Bidwell"
<mbidwell@swca.com>
04/15/2009 01:54 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Charles Coyle"
<ccoyle@swca.com>, "Tom Furgason"
<tfurgason@swca.com>

cc

bcc

Subject Rosemont Mine- visual report update

History:  This message has been forwarded.

Debby,

Great working together today~ as we discussed, I will start processing the visual analysis maps and other immediate agenda items in support of Affected Environment immediately. I am looking forward to diving in full-throttle to make progress on the immediate items. I am invigorated to finally have the full go-ahead to make progress with the scope finally approved and signed.

Also, I will work with Tom and Charles to see if we can arrange for meetings the week of May 6th in Tucson for face-to-face working sessions, key observation point selection, site tour, and other working meetings.

I am including Tom and Charles on this email to keep them in the loop as to what my process will be and how we are tracking (1) current scope items and (2) additional items that you are working to have funded.

I will follow this email to all of you with a summary that shows committment of hours from the approved scope of work to each of the Visual Resource Proposal items.

Tom and Charles,

In moving the visual assessment forward, I will be calling you to discuss Visual and GIS tasks involved (and staff resources) that were included within the Visual Technical Report process. I will call to discuss the following:

1. Visual study- Charles was anticipating that RCC would deliver a visual product of some sort- I would like to find out more about what and when.
2. GIS visual mapping- I can do it here or if you would prefer Tucson do it, lets discuss
3. Site Tour- Debby and I would like to document KOPs and do some more exploration; I would like to coordinate this with you and any other potential tour coming up.
4. Review of the strategy attached and how SWCA's scope and schedule will guide this process.

The spreadsheet attached is the working version of the visual assessment process that Debby and I have fleshed out; The letter is a draft that Debby has written for Bev and Rita to take to RCC regarding additional visual research that she would like included in the process that is currently beyond our scope. These items are flagged in the spreadsheet as "N" for NO under "Witing Current Contract" on the strategy spreadsheet. My next step is to match hours to items on the strategy that will represent (1) EIS budget tasks and (2) Visual Technical Report.

Thanks! Hope to see you all soon~
Marcie

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]

Sent: Wednesday, April 15, 2009 2:32 PM

To: Marcie Bidwell

Cc: Debby Kriegel

Subject: Rosemont Mine

Marcie,

Thanks for taking time to discuss the project with me today. I look forward to seeing progress and products in the near future!

2 items are attached: the latest strategy and draft text for a letter from our Forest Supervisor to Rosemont. Let me know if you have comments on either item. **I'll need your comments on the letter within the next day or two.**

After making some initial contacts, I was referred to others who might have experience or helpful information. Please call each of these folks and ask about good mine reclamation and land sculpting examples. And please follow up on any leads you have as well!

- ASLA Reclamation and Restoration Professional Interest Group.
- Diane Tafoya, Forest Service Geologist, Southwest Regional Office, (505) 842-3275. She probably has experience with many projects, but one mentioned was the El Chaete Pumice mine on the Santa Fe and her work with Bill Kraussman, who helped with SMS work.
- Maria McGaha, Forest Service Environmental Engineer, Southwest Regional Office, (505) 842-3837. Maria has worked on mine reclamation projects.
- Holly Fliniau, USDA, (303) 275-5547. Worked on a project called Reilly Pass mine, which may have good examples.
- Mike Dunn, Forest Service Minerals Specialist, Rocky Mountain Region, (303) 275-5101. He may know of mines with good land sculpting, including Henderson mine and Climax mine. He also may refer you to Paul Simmer or Dan Lovato (landscape architect)...the field folks on these projects.
- Donna Kim (414-297-3613) and Bill Mains (815-423-6370), both Forest Service folks from Region 8. They've worked on big scale mountain top mining projects on the Monongahela NF in West Virginia. Also contact Mary Frye, the landscape architect there, at 404-347-3357.
- Bill Kraussman, Forest Service Geometromics Group Leader, Southwest Regional Office, (505) 842-3846. Bill might have some good tips on visibility analysis, modeling, mines, and reclamation.

Debby Kriegel, RLA
Landscape Architect
Coronado National Forest
(520) 388-8427
dkriegel@fs.fed.us

[attachment "Visual_Resource_Proposal_2009-04-15.xls" deleted by Debby Kriegel/R3/USDAFS]
[attachment "RosemontLtr041309.doc" deleted by Debby Kriegel/R3/USDAFS]



Reta Lafort/R3/USDAFS
08/02/2010 07:54 AM

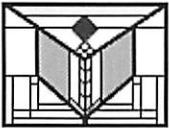
To Ruth Doyle/R3/USDAFS@FSNOTES
cc Debby Kriegel/R3/USDAFS@FSNOTES,
mbidwell@swca.com, tjchute@msn.com,
tfurgason@swca.com, Melinda D
bcc

Subject Re: Rosemont EIS - VMS vs SMS - Need your input ASAP 

I concur that the focus of the DEIS analysis should focus on SMS, as it is a better disclosure tool. However, we will still need to briefly address consistency with the Forest Plan VQO.

Reta Lafort
Deputy Forest Supervisor
Coronado National Forest
Phone: 520-388-8307

Ruth Doyle/R3/USDAFS



Ruth Doyle/R3/USDAFS
07/29/2010 01:00 PM

To Debby Kriegel/R3/USDAFS@FSNOTES
cc mbidwell@swca.com, Reta Lafort/R3/USDAFS@FSNOTES,
tjchute@msn.com
Subject Re: Rosemont EIS - VMS vs SMS - Need your input ASAP 

Debby,

I concur with your rationale and recommend using the Scenery Management System for Rosemont EIS analysis. One of the reasons why the FS developed the system is to be more defensible in court. In the event the decision on this project is litigated, using SMS may provide for a stronger, more supportable scenery analysis.

Ruth Doyle
Regional Landscape Architect
Southwest Regional Office
505.842.3451
e-mail: rdoyle@fs.fed.us
Debby Kriegel/R3/USDAFS

Debby Kriegel/R3/USDAFS
07/29/2010 01:32 PM

To Reta Lafort/R3/USDAFS@FSNOTES, tjchute@msn.com,
Ruth Doyle/R3/USDAFS@FSNOTES
cc Debby Kriegel/R3/USDAFS@FSNOTES,
mbidwell@swca.com
Subject Rosemont EIS - VMS vs SMS - Need your input ASAP

SWCA has asked for written clarification (an email response should suffice) on whether to utilize the old Visual Management System (and VQOs) currently in our Forest Plan, or to use the Scenery Management System (SMS) for effects analysis for the Rosemont EIS. Although the systems have many similarities, the maps are different, and each system uses different terminology. We'd very much like to avoid 2 parallel analyses, one with each system.

The EIS will clearly state what is currently in the Forest Plan. However, VQO maps are broad-brush, forest-level mapping, and need refinement for project level work. And unfortunately, the VQO maps lack details for project-level work (e.g., there are no sensitivity level maps). I recommend that they use SMS for the project level analysis. Using SMS (and Scenic Integrity Objectives) will effect things like the "acres meeting objectives" chart, but probably not much (since few parts of Rosemont will meet any visual quality objectives). There may be other analysis pieces that will be different using SMS, but I don't see that as a major problem.

Rationale for using SMS, includes:

1. Since the mid 1990s, National Forests have been directed to use the SMS (Reynolds, 2380, August 22, 1994; McDougle, 2380, March 10, 1997; and Furnish, 1920/2380, June 11, 2001...I have copies of all 3 letters if you'd like to see them).
2. In 2001, Coronado National Forest completed its SMS inventory (and we have another letter from the Forest Supervisor at the time directing us to use SMS).
3. Forest Service Manual and Handbook directives both use exclusively SMS.
4. The revised forest plan will incorporate SMS, and the record of decision for the Forest Plan is expected to be completed in August 2011...which could easily be ahead of the Rosemont FEIS and decision.

I also suggest that the Rosemont EIS (or project record if that's more appropriate) includes a clear statement about the fact that the Forest Plan uses VMS, but for the Rosemont project analysis, SMS terms and process will be applied.

Please let me know if you agree with this rationale ASAP. SWCA needs an answer quickly because they are forging ahead with affects analysis.

Thanks!

Debby Kriegel/R3/USDAFS
01/22/2010 03:33 PM

To "Marcie Bidwell" <mbidwell@swca.com>
cc Debby Kriegel/R3/USDAFS@FSNOTES
bcc
Subject RE: Rosemont - Scope of work for Recreation 

1. Yes, I like your idea of putting all alternatives on a map and seeing if there really is just 1 AZ trail KOP that works for all. Can you proceed with this and let me know what you find? I agree with you that KOP 6 might be good.
2. I guess we'll have to live with sims at year 10 and year 20+. This might be ok. If there are effects in other years, hopefully we can identify and describe them. The buttness would be one of these. Another would be that white tailings will be visible from highpoints along 83 and AZ trail in the early years until the outer shell is higher than viewers. We can't simulate everything...
3. I am not aware of any ADOT road siting meetings. Do they have a date scheduled? Do you think that you or I should attend? EPG is doing a site visit on Monday, but obviously neither of us will be attending that one.
4. Good to know.

"Marcie Bidwell" <mbidwell@swca.com>



"Marcie Bidwell"
<mbidwell@swca.com>
01/22/2010 02:32 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Trent Reeder"
<treeder@swca.com>
cc "Tom Furgason" <tfurgason@swca.com>
Subject RE: Rosemont - Scope of work for Recreation

Debby,

I forgot to mention a few things:

1. RCC/TT also asked that we finalize which KOP we will be using for the Arizona Trail simulations point.

I find this one tricky to pick, considering (1) different points will be more important to different alternatives and (2) there is talk of rerouting the trail to avoid the mine works and that location has not been determined. So the KOP needs to be (1) somewhere that has representative views of (2) a section that will remain where it is.

You and I collected 4 points for the trail- three that we hiked to from one spot, and one that we drove to along the Rosemont access road. I will send a KOP map in the next email. The following KOPS are:

KOP 5- (Preferred by RCC, could work) Furthest south on the trail that we photographed that day. The pano looks weird cause we took 360 of photographs. Tom was thinking that this section of the trail is most likely to stay where it is, and the reroute would happen further north from here. I cannot confirm that, cause I have not put any thought into rerouting of the trail yet. But sounds like sound logic. Not my favorite panorama photogprahy, but it works if this is the one.

KOP 6- (could work well) Further north, along the trail, full panorama includes from south to north, but the mine would be largely to the west (middle of the pano). This may still be far enough away

to see views around the pile but I am not sure.....

KOP 7- (may be too close and relocated from here) Furthest north on this part of our hike, possibly under the pile or at least near the edge of the pile (i.e. part of the trail that would move) but I need Trent to confirm. I cant tell on this map very clearly.

KOP 13- (probably too close to make sense in a simulation, all you would see is mine) We drove in from Rosemont access at mm 44 and then walked a few hundred yards- this spot would be within a few hundred yards of the toe of the slope. This will be so close to the mine that the pile will be all you see. on the left side of the page.

To know where the trail would possibly move, I would think we would want to see all of the alternatives laid onto one map, and then see if there is a logical response that would work for all alternatives. In doing some rough measurements, currently the trail makes several loops to-and-away from the tails- at the longest loop away being 1 mile.

- Box Canyon Road - MPO = .5 miles approx.
- Along MPO, with breaks away from it = 5 miles approx.
- Northern extents of MPO buries trail = .25 miles approx.
- North of MPO to FS Boundary = 4.5 miles approx.

2. Phasing for Simulations: For new alternatives, RCC will not have contour data for three phases for simulations; they will have 10 yr and final (20 yr). They should complete yr 20 this week.

The USFS is required to use "best available data" for analysis, and to consider short-term and long-term impacts. In talking with Tom, I am still a little fuzzy as to what short-term has been defined as, but I think its safe to say that its somewhere between 1-5 years (early construction, breaking ground) and then long-term is everything after that.

RCC is developing two phases of engineered drawings, regardless of what alternative- 10 yr and 20 yr. No inbetween engineering will be available for the new alternatives. So the visual analysis will not be able to do "in between years" for simulations, or to "pick the worst case scenario year" before or after the berm is completed.

Additionally, the "berm" is thought that it will not be finished in the same year for each alternative, and that the completion date is more like yr 7 rather than yr 5 as it was originally thought.

3. Future meetings? ADOT or Transmission?

Kathy invited Tom and I to attend future meetings with you (or if you cant attend)- I think she mentioned:

- ADOT, for siting of the entrance road and SR 83 intersection. Sounds like this might end up being near MM46- the picnic table turn out?
- Transmission siting with EPG- (this one may be a figment of my imagination, unless it sounds familiar to you)?

4. Rosemont's "proposed fenceline"- is a typo. What is labeled the fenceline on the viewshed maps is actually the "project boundary", or zone of influence, or what ever else that they are calling it.

~~~~~  
Debby Kriegel, RLA  
Landscape Architect  
Coronado National Forest  
300 W. Congress  
Tucson, AZ 85701  
(520) 388-8427  
Fax (520) 388-8305  
[www.fs.fed.us/r3/coronado/](http://www.fs.fed.us/r3/coronado/)

dkriegel@fs.fed.us

[attachment "KOP\_13\_Panorama.pdf" deleted by Debby Kriegel/R3/USDAFS] [attachment "KOP\_05\_Panorama.pdf" deleted by Debby Kriegel/R3/USDAFS] [attachment "KOP\_06\_Panorama.pdf" deleted by Debby Kriegel/R3/USDAFS] [attachment "KOP\_07\_Panorama.pdf" deleted by Debby Kriegel/R3/USDAFS]



"Tom Furgason"  
<tfurgason@swca.com>  
08/02/2010 09:56 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
bcc

Subject DEIS Resource Section Template\_CE.doc

History:

 This message has been replied to.

Debby,

Attached is the general template for each resource section in Chapter 3. The only change since the May 18 meeting that affects all resources is the addition of a section at the end titled "Irreversible and Irretrievable Commitment of Resources". Some specialists, most notably Larry and Geoff, have substantially changed the outline in response to a need for a different structure. Larry and Geoff have been working very well together and have made some good changes to the organization.



Tom DEIS Resource Section Template\_CE.doc



Melinda D Roth/R3/USDAFS  
04/30/2010 01:19 PM

To karnold@rosemontcopper.com  
cc Beverley A Everson/R3/USDAFS@FSNOTES, Debby  
Kriegel/R3/USDAFS@FSNOTES  
bcc  
Subject Fw: Phased Tailings Data and Reclamation Concept data -  
Visual Simulations

Kathy, Here is an email regarding today's short discussion of visual needs. If you have questions or concerns, please work directly with Debby. Thanks.

Mindee Roth  
Coronado National Forest  
300 W. Congress, FB42  
Tucson, AZ 85701  
(520) 388-8319  
(520) 396-0715 (cell)  
(520) 388-8305 (FAX)

— Forwarded by Melinda D Roth/R3/USDAFS on 04/30/2010 01:17 PM —



Beverley A  
Everson/R3/USDAFS  
04/26/2010 03:05 PM

To Melinda D Roth/R3/USDAFS@FSNOTES, Debby  
Kriegel/R3/USDAFS@FSNOTES  
cc  
Subject Fw: Phased Tailings Data and Reclamation Concept data -  
Visual Simulations

Hi Mindee,

Please see the message from Debby below. Can you please add this to the status meeting agenda?  
Thank you.

Bev

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

— Forwarded by Beverley A Everson/R3/USDAFS on 04/26/2010 03:02 PM —

Debby Kriegel/R3/USDAFS  
04/26/2010 01:24 PM

To Beverley A Everson/R3/USDAFS@FSNOTES  
cc mbidwell@swca.com, Debby  
Kriegel/R3/USDAFS@FSNOTES  
Subject Fw: Phased Tailings Data and Reclamation Concept data -  
Visual Simulations

Bev,

I would like for Marcie to be able to get started with at least one visual simulation of the mine. The phased tailings alternative seems most logical, because it appears to have the most complete data.

Before she can begin, we need Rosemont to provide 2 things:

1. Confirmation that the undulating topography shown in the Reclamation Plan Update is what they are proposing for the phased tailings alternative.
2. Contour data for this topography.

Would you please forward this request to Rosemont, or bring it up at an upcoming meeting with them?

Thanks!

Debby

----- Forwarded by Debby Kriegel/R3/USDAFS on 04/26/2010 01:16 PM -----



"Marcie Bidwell"  
<[mbidwell@swca.com](mailto:mbidwell@swca.com)>  
04/26/2010 10:31 AM

To "Debby Kriegel" <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>, "Trent Reeder"  
<[treeder@swca.com](mailto:treeder@swca.com)>  
cc

Subject Phased Tailings Data and Reclamation Concept data

Hello Debby,

As requested, Trent and I checked data uploaded regarding the Phased Tailings Alternative (#3), and we do not have contours associated with Phased Tailings and the Reclamation Update.

Therefore, once you receive an official answer as to if Reclamation Update will be supplementing/replacing the Phased Tailings Alternative, SWCA will need to receive the contour data before we can proceed with simulations of that alternative.

Thanks,  
Marcie

Marcie Demmy Bidwell  
Environmental Planner  
130 Rock Point Drive, Suite A  
Durango, Colorado 81301  
Office: 970.385.8566  
Fax: 970.385.1938  
[www.swca.com](http://www.swca.com)



"Marcie Bidwell"  
<mbidwell@swca.com>  
03/08/2010 12:06 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
bcc  
Subject RE: Visual Resources SOW

Debby,

This appears to be the scope that was negotiated with Jamie in January. I believe this is the same list that we have been working through, but can take a closer look later this afternoon.

As to the file that you mention below, I will check with Mike who is out in the field right now. I suspect that you need to download the file, re-name it with a .zip extension and then you will be able to open it. I will check with him when he returns.

More this afternoon,  
Marcie

---

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Monday, March 08, 2010 10:28 AM  
**To:** Marcie Bidwell  
**Subject:** Fw: Visual Resources SOW

Marcie:

Good morning. I have a couple of questions for you....

1. Is this SOW (see next message) something that I need to review or that we need to discuss? Or is it simply the currently funded tasks on the same list we've been using?
2. On WebEx, in the Visual Resources folder, there is a document called "Visual Simulation Panorama Revised" with a file name "KOP Panorama.7z" dated Jan 19, 2010. I can't open it. Did you post this?

Thanks.

~~~~~  
Debby Kriegel
(520) 388-8427

----- Forwarded by Debby Kriegel/R3/USDAFS on 03/08/2010 10:23 AM -----

Beverley A Everson/R3/USDAFS

03/08/2010 06:11 AM

To Debby Kriegel/R3/USDAFS@FSNOTES
cc
Subject Fw: Visual Resources SOW

Hi Debby,

Attached is the latest SOW for SWCA visual resources. Please take a look and see if it covers what you've been looking for.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 03/08/2010 06:10 AM -----

"Tom Furgason" <tfurgason@swca.com>

To "Beverley A Everson" <beverson@fs.fed.us>

cc

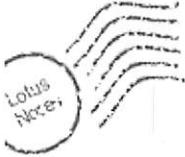
Subject Visual Resources SOW

03/03/2010 03:50 PM

Bev,

I'm sorry to make you ask again. Here is the visual SOW that we are authorized to work on. Please keep in mind that any violations in assumptions will likely require more money from Rosemont.

Tom



Beverley A
Everson/R3/USDAFS
07/14/2010 03:09 PM

To Debby Kriegel/R3/USDAFS@FSNOTES
cc
bcc

Subject Fw: Barrel Only Description

History: This message has been replied to.

Debby,

Thanks for the copy of the memo that you wrote on the landforming alternative. You provided a good description of the evolution of the alternative, and what you would like to have done to complete it. We'll see where it goes from here.

As for the description of the alternative, here's what Dale provided. He mostly just described responsiveness to issues. Can you add anything in terms of a description, ie., slopes, size compared to other alternatives, compatability with natural topography compared with other alternatives, etc.?

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 07/14/2010 03:06 PM -----



"Dale Ortman PE"
<daleortmanpe@live.com>
07/14/2010 01:12 PM

To "Beverley A Everson" <beverson@fs.fed.us>
cc "Lara Mitchell" <lmitchell@swca.com>, "Melissa Reichard" <mreichard@swca.com>, "Jonathan Rigg" <jrigg@swca.com>
Subject RE: Barrel Only Description

Bev,

We do not have any numbers from Rosemont/TetraTech on the new Barrel-Only landform, but here's a bullet list of the resource areas that we discussed during the development process.

- Water Resources – Primary driver for initial development of the Barrel-Only Alternative with the objective of keeping the McCleary drainage open.
- Visual – Primary driver for development of the new Barrel-Only landform
- Water Resources – New landform maintains McCleary open and provides a primary drainage path tying into Barrel Canyon; also provides for modified concave slopes on some slopes
- Recreation/Grazing/Wildlife/ – Post-mine resource may benefit from variable

topography

Resources that will likely suffer negative impacts are:

- Heritage Sites – Includes taking the Ball Court
- Air Quality – Active mine work occurs close to SR83

What we have is agreement on the basic topography and footprint of the potential alternative and Rosemont's assurance that they can construct the facility. Currently Rosemont is tasked with additional engineering, especially regarding the surface water controls, to add to the description.

Regards,

Dale

From: Jonathan Rigg [mailto:jrigg@swca.com]
Sent: Wednesday, July 14, 2010 12:27 PM
To: Beverley A Everson
Cc: Dale Ortman PE; Lara Mitchell; Melissa Reichard
Subject: Barrel Only Description

Bev,

Got a hold of Dale and he will be sending you a brief description of the updated Barrel Only alternative that was approved last Friday. Rosemont was tasked with determining total acreages, etc., and we have not yet received that data. Lara is working on making sure the Figure for tomorrow is this latest version. Dale will email you the description as soon as possible.

Thanks!

Jonathan Rigg
Environmental Planner
SWCA Environmental Consultants
343 West Franklin Street
Tucson, Arizona
Phone: (520) 325-9194
Fax: (520) 325-2033
Email: jrigg@swca.com



"Marcie Bidwell"
<mbidwell@swca.com>
05/20/2010 04:11 PM

To "Stu Bengson" <sbengson@aol.com>
cc "Kathy Arnold" <karnold@rosemontcopper.com>, "Debby Kriegel" <dkriegel@fs.fed.us>
bcc
Subject Consultation on plants and tree growth at the Rosemont Mine

Hello Stu,

Debby Kriegel, the Coronado Landscape Architect and I (SWCA Environmental Consultants) are working on the visual resource assessment and reclamation plan as it relates to revegetation for the Rosemont EIS. Kathy Arnold suggested that you would be a good resource to discuss the potential for plant growth and success on growth medium similar to that proposed at Rosemont Copper Mine.

I would like to ask you a few questions at some point regarding good information resources that we might be able to review and include in our literature search for revegetation.

Please kindly let me know your availability for a discussion,

Thank you,
Marcie Bidwell

Marcie Demmy Bidwell
Environmental Planner
130 Rock Point Drive, Suite A
Durango, Colorado 81301
Office: 970.385.8566
Fax: 970.385.1938
www.swca.com

From: Kathy Arnold [<mailto:karnold@rosemontcopper.com>]
Sent: Monday, March 08, 2010 9:11 AM
To: Marcie Bidwell; Debby Kriegel
Cc: Stu Bengson
Subject: Stu Bengson

Ladies -

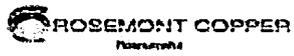
If you have questions regarding plants and trees and growth – Stu Bengson is available for consultation. His email is sbengson@aol.com. Please just keep me in the loop as to the amount of involvement he has so that I will be aware of any charges he may have.

Stu please bill directly to me – this is part of that PO that Scott issued for you last week.

Thanks -

Kathy

Katherine Ann Arnold, P.E. | Director of Environmental and Regulatory Affairs
Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724
karnold@rosemontcopper.com



Rosemont Copper Company
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Debby Kriegel/R3/USDAFS
09/02/2009 08:46 AM

To tfurgason@swca.com
cc Beverley A Everson/R3/USDAFS@FSNOTES, Debby
Kriegel/R3/USDAFS@FSNOTES
bcc
Subject Rosemont - SWCA Cost Estimate for Simulations for
Proposed Action

Tom,

This week I briefed our new regional director of recreation on the Rosemont project. His background is in landscape architecture, so we discussed the simulations too. He asked about SWCA's cost estimate for the simulations for the proposed action. He thinks that the FS should know what the total cost is, since the FS is asking for this work and Rosemont may ask questions about the proposed work.

Please provide this information.

Thanks.

Debby



"Marcie Bidwell"
<mbidwell@swca.com>
07/30/2009 07:07 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Charles Coyle"
<ccoyle@swca.com>, "Tom Furgason"
<tfurgason@swca.com>, "Trent Reeder"

cc

bcc

Subject RE: Rosemont - Simulations Needed for Proposed Action

History:  This message has been forwarded.

Debby,

I have briefed Tom and Charles on the basic "stratified simulation strategy" concept that you have attached here; I will work these additional simulations into tasks to accompany our original proposal at your request.

Basically, we will add a "not visible" and "distantly visible" tasks to the original . I think we can accomplish the first with diagrams and existing photography, and the second with a simpler simulation technology, and still keep costs controlled.

I think I can swing the Pepper Dates. Will confirm and let you know. Yes, I will plan on spending more time there for field work as currently fits in the budget. Perhaps the simulation budget will be in the works by the end of the month. We are looking forward to getting that started and I will need more background photography images for that work.

Thanks,
Marcie

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Thursday, July 30, 2009 9:34 AM
To: Marcie Bidwell
Cc: Debby Kriegel
Subject: Rosemont - Simulations Needed for Proposed Action

Marcie,

I just met with our forest supervisor and deputy forest supervisor to discuss the bare minimum number of simulations likely to be needed for the proposed action. They support this strategy, and I recommend this for your proposal to Rosemont.

Also, the field review with Dr. Jimmy Pepper is scheduled for August 22-23. Do these dates work for you? On the same visit you could get some other field work done (like photographing the other KOPs and visiting the Mission Mine complex), we could try to do the eyeball miles study from Hwy 83, etc.

Thanks.

Debby



Simulation_Strategy_Proposed_Action.doc



"Marcie Bidwell"
<mbidwell@swca.com>
07/28/2009 02:14 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Trent Reeder"
<treeder@swca.com>

cc

bcc

Subject RE: Rosemont Terrain Profiles

History:  This message has been replied to.

Debby,

Thanks for letting us know. Trent and I will check in with Tom to find out what is the plan for the alternatives.

Glad that you liked the section line. Very illustrative. We were thinking we could use this tool to accompany the "low budget, not visible sims" to show why you could not see the MPO from certain western KOPs (such as Maderia Canyon).

Did you receive that second section of text taht I sent you? I am finalizing the draft to go to Charles. Just wanted to get your comments on that section if you had any.

Good point on the research of 1000 feet walls~
Any word on the Pepper presentation?

Thanks!
Marcie

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Tue 7/28/2009 10:52 AM
To: Marcie Bidwell; Trent Reeder
Cc: Debby Kriegel
Subject: RE: Rosemont Terrain Profiles

Marcie and Trent,

Thank you for doing this! Removing 1000' of the back of the pit is definitely beyond crazy. For the proposed action, it appears that less than 400' would be visible, but knowing that 400' is still a lot, I'm now convinced that treating the back of the pit (by blasting horizontal terraces, spraying with Permeon, etc.) to lessen the visual impact will be more appropriate than removing the ridge.

For the alternatives with open views from Hwy 83 into the pit, this cross section is an eye opener, as you'll need to accurately show it in the simulations. However, this cross section might help Marcie focus research on finding examples that are in the ballpark of 1000'.

I am told that Alternative 6C is now on WebEx. Will you have time soon to put this into the 3D model? Can the 3 of us finally do a 3D flyaround sometime soon?

Thanks.

Debby

"Marcie Bidwell" <mbidwell@swca.com>

07/24/2009 02:44 PM

To "Trent Reeder" <treeder@swca.com>, "Debby Kriegel" <dkriegel@fs.fed.us>
cc
Subject RE: Rosemont Terrain Profiles

Debby,

The graph has a measurable scale that you can use to estimate how much of the ridge would remain and how much would need to be removed to "not see the back of the pit" which was the question that you had asked.

Let us know if you have any questions,
Marcie

From: Trent Reeder
Sent: Friday, July 24, 2009 3:39 PM
To: Debby Kriegel; Marcie Bidwell
Subject: Rosemont Terrain Profiles

Hi Debby,

I have attached a PDF with Profile Line Graphs showing a crosscut section of both the existing terrain and the Proposed Action terrain. The graphs represent the results of a Line of Sight Analysis that entails drawing a line from an observer point (KOP 12), to a target location for which was an arbitrary spot on the other side of the ridge. I made sure the line would dissect the proposed pit and cut across the pit floor for greatest elevation change. The Green and Red line colors represent sections that would be visible (Green) and sections not visible (red) from KOP 12.

Please let me know if you have additional questions. Thanks!

Trent Reeder
GIS Specialist
SWCA Environmental Consultants
treeder@swca.com
130 Rock Point Dr. Suite A
Durango, Colorado 81303
Work (970) 385-8566
Fax (970) 385-1938

www.swca.com

Minimum Simulations Needed for Rosemont EIS – Proposed Action
July 30, 2009

Confirm that proposed action is not visible - No simulations needed

- Madera Canyon
- San Xavier
- Tucson
- Vail
- Corona de Tucson
- Sahuarita
- Green Valley

Project effects small and/or distant - Simulate year with most effects (2 simulations)

- Sonoita (KOP 8)
- Las Cienegas Conservation Area (KOP 11)

Project effects moderate – Simulate year with most visible effects, and post-reclamation if view expected to be much different from existing view (3-6 simulations)

- Mt. Wrightson Wilderness (KOP 17)
- Hilton Rd. (KOP 16)
- Box Canyon (KOP 21)

Project effects large – Simulate as follows (7-8 simulations)

- Arizona Trail – 1 simulation of typical view along trail at the toe of the waste rock
- Hwy 83 pullout (KOP 12) - Simulate 2-3 phases (construction or early mine years, during active mine with most visible effects if it's different than the construction or early mine simulation, and post reclamation)
- OHV staging area at KOP 4 - Simulate 3 phases (construction or early mine years, during active mine with most visible effects, and post reclamation)

TOTAL 12-16 SIMULATIONS



"Marcie Bidwell"
<mbidwell@swca.com>
07/07/2009 09:09 AM

To "Trent Reeder" <treeder@swca.com>, "Debby Kriegel"
<dkriegel@fs.fed.us>

cc

bcc

Subject Rating Sheet~

History:

 This message has been replied to.

Here is a tool I created for the flyaround. <<Rosemont KOPs.xls>>

Marcie Demmy Bidwell
Environmental Planner
130 Rock Point Drive, Suite A
Durango, Colorado 81301
Office: 970.385.8566
Fax: 970.385.1938



www.swca.com Rosemont KOPs.xls

KOP GIS FLYOVER		ALT 1	ALT 2	ALT 3	ALT 4	ALT 5
		Proposed	Upper Barrel	Upper Barrel	Schoelfield	Sycamore
NAME	COMMENTS					
KOP 001	Maderia Canyon - 1.2 mi					
KOP 002	Duval Mine Road Overpass	None				Minimal/None
KOP 003	Corona de Tucson	None				None
KOP 004	SR 83 Roadside Table					
KOP 005	(duplicate)					
KOP 005-2	Arizona Trail- South Project					
KOP 006	Arizona Trail- southern project					
KOP 007	Arizona Trail- Barrel Canyon he					
KOP 008	Sonoita Junction	Minimal	Minimal	Minimal	Minimal	None
KOP	?? (duplicate)					
KOP 009	SR 83 and Fellows Ranch Road					
KOP 010	Empire Ranch/BLM road					
KOP 011	BLM kiosk and entry					
KOP 012	SR 83 View Stop	Highest	Moderate	Moderate	High	None
KOP 013	Arizona Trail and USFS 4064					
KOP 014	USFS 231					
KOP 015	USFS 231 ATV Staging Area					
KOP 16	Hilton Road	High			Highest	None
KOP 17						
KOP 18						
KOP 19						



"Stephen Leslie"
<sleslie@swca.com>
03/25/2009 10:59 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc
bcc
Subject RE: Rosemont - Recreation Issue Statements

Debby

Here is the revised Cause and Effect Worksheet. I expect to be in Ely around 3:30 your time if anything comes up.

Thanks,
Steve

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Tuesday, March 24, 2009 3:58 PM
To: Stephen Leslie
Cc: Debby Kriegel
Subject: Rosemont - Recreation Issue Statements

Steve: Here's a rough structure that might be better for hanging details on. Let's discuss Wednesday morning. Thanks! Debby

#56 Restriction, Disturbance, or Loss of Recreation Opportunities

Direct Effects

- Loss of public access to ~4500 acres of land in the project area during operation of mine.
- Loss of access to other lands if public roads or trails are blocked by project.
- Mine-related activities effect on nearby recreation settings (quiet, solitude).
- Permanent change in recreation setting (landscape) after mining operations cease.
- Reduction in public safety during mining operations and post closure.

Indirect Effects

- Increase in visitors to other locations (some of which are already crowded).
- Conflicts between National Forest recreation special use permittees.
- Loss or reduction in tourism revenues associated with visitors to the area.

Cumulative Effects

- Continued loss/alteration of natural public lands for recreation in southeastern Arizona. [attachment "Cause and Effect Worksheet_56_Recreation.sol.doc" deleted by Debby Kriegel/R3/USDAFS]



"Trent Reeder"
<treeder@swca.com>
08/03/2010 11:56 AM

To "Marcie Bidwell" <mbidwell@swca.com>, "Debby Kriegel"
<dkriegel@fs.fed.us>, "David Harris" <dharris@swca.com>
cc
bcc

Subject RE: VQO- Viewer Sensitivity Figure

Oh, I should've mentioned to Marcie that the Viewer Sensitivity Legend depicts classifications that also fall outside the Santa Rita EMA. If needed I can clip the data to the Santa Rita EMA to help refine/shorten the legend. Just let me know. Thanks

Trent Reeder
GIS Specialist
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Work (970) 385-8566
Fax (970) 385-1938
www.swca.com

From: Marcie Bidwell
Sent: Tuesday, August 03, 2010 12:51 PM
To: Debby Kriegel; David Harris
Cc: Trent Reeder
Subject: VQO- Viewer Sensitivity Figure

Hello Debby and David,

Here is the VQO figure showing sensitivity- The data has all of the classes written out in one column, so its hard to work with. Trent did a great job isolating the values of our area to create this map. We used the terminology from the Coronado National Forest Scenery Inventory (2001) that you gave me, where Terry (USFS GIS) presents her methodology on creating these layers.

Side note, regarding your conversation/comment regarding "sensitive viewers" term. Following USFS manuals, we know that the USFS refers to it as constituent "sensitivity" and yet you thought that sensitive viewers was too "insensitive" of a use of the term- David and I will work on a solution and suggest something.

Please let us know your comments on this figure,
Marcie

Trent Reeder
GIS Specialist
SWCA Environmental Consultants
treeder@swca.com

130 Rock Point Dr. Suite A
Durango, Colorado 81303
Work (970) 385-8566
Fax (970) 385-1938
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"Marcie Bidwell"
<mbidwell@swca.com>
07/28/2010 12:33 PM

To <lmitchel@swca.com>
cc "Trent Reeder" <treeder@swca.com>, "Jonathan Rigg"
<jrigg@swca.com>, <dkriegel@fs.fed.us>
bcc

Subject FW: Forest Boundary and Comments on Figures

History:  This message has been replied to.

Hello Lara,
(will someone with Terri's email in their system please forward this to her (USFS GIS)- thanks)

I am hoping that you can help resolve the boundary issues, as Trent and I are slammed with other details. Trent, chime in as much as you have time.

The comments are referring to the data layer that you received from Terry yesterday. Trent said that you and he checked it with the rest of the USFS data and the one on the FS website.

The following comments regarding boundaries is relevant to the entire EIS process; the specific figure comments we can handle here in DUR.

Debby, after Lara and Trent give this one more look, its back to the FS to fix it. We are working with your data, and its what we have been given to use.

Thanks
Marcie

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Wed 7/28/2010 11:29 AM
To: Marcie Bidwell
Cc: Debby Kriegel
Subject: Forest Boundary and Comments on Figures

The Forest Boundary has the following problems:

1. On the Bounds of Analysis map, it is missing all wilderness areas
2. On the other 3 maps, it is missing areas mostly on the east side (though there are some smaller areas on the west and south sides). The Forest boundary should be on the outside of all the colored areas shown on the VQO, SIO, and SA maps. There are private lands within the Forest boundary.

Other comments on figures:

1. Legend should read "recreation sites" (not "recreation points").
2. Add Corona de Tucson to BOA map.
3. The proposed construction area is not shown on VQO, SIO, and SA maps.
4. Show private lands within the Forest boundary on the VQO and SIO maps (probably in white or grey). Not so important on SA map (indicating objectives on private lands is the problem).

5. On SIO map, show CL1 (the most important travelways) in the brightest color (red), CL2 in med bright color (blue), and CL3 in lightest color (yellow). Also, it's very difficult to see yellow lines on a yellow background...darken something up a bit.
6. On the SA map, the AZ trail on the map is a different symbol than "roads and trails" in the legend. Either add "AZ Trail" to the legend, or show it on the map in the light grey color. Also, it's very difficult to see light grey lines on a light grey background (Indistinct)...darken something up.
7. Add a KOP map.

Thanks.

----- Forwarded by Debby Kriegel/R3/USDAFS on 07/28/2010 11:09 AM -----

Terry L Austin/R3/USDAFS

To Debby Kriegel/R3/USDAFS@FSNOTES

07/28/2010 10:57 AM

cc

Subject Fw: Santa Rita Boundary is attached

Terry L. Austin
 GIS/Data Specialist
 Ecosystem Management Planning
 Coronado National Forest
 300 W. Congress
 Tucson, AZ 85701
 (520) 388-8356
 fax: (520) 388-8332

email: taustin@fs.fed.us

----- Forwarded by Terry L Austin/R3/USDAFS on 07/28/2010 10:57 AM -----

"Marcie Bidwell"
 <mbidwell@swca.com>

To "Terry L Austin" <taustin@fs.fed.us>, "Lara Mitchell" <lmitchell@swca.com>

cc "Trent Reeder" <treeder@swca.com>, "Melissa Reichard" <mreichard@swca.com>,

07/28/2010 10:04 AM

"Jonathan Rigg" <jrigg@swca.com>

Subject RE: Santa Rita Boundary is attached

t

Hello Debby,

We have received the boundary from Terry and we have compared it with the data that we have at SWCA.

It is the same boundary and the same one is on the Coronado GIS website.

Is there a specific area that you are concerned about? I recommend that you highlight the areas that are your concern and share it with us. Feel free to make changes on the maps or figures that I have already provided.

Also, you mentioned that you have edits for the figures. Please forward those as soon as you can. Trent is in the office this week for a few hours and can make adjustments if we receive them now.

Thanks
Marcie

From: Terry L Austin [mailto:taustin@fs.fed.us]
Sent: Wed 7/28/2010 6:34 AM
To: Lara Mitchell; Marcie Bidwell
Subject: Santa Rita Boundary is attached

Terry L. Austin
GIS/Data Specialist
Ecosystem Management Planning
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8356
fax: (520) 388-8332

email: taustin@fs.fed.us



"Dale Ortman PE"
<daleortmanpe@live.com>
03/24/2010 07:21 AM

To "Horst" <hjschor@jps.net>
cc "Debby Kriegel" <dkriegel@fs.fed.us>, "Salek Shafiqullah -
USFS" <sshafiqullah@fs.fed.us>, "Beverley A Everson"
<beverson@fs.fed.us>, "Tom Furgason"
bcc

Subject Landform Project

History:  This message has been replied to.

Horst,

Please review the email below from Debby. As you can see things are in flux with the landform project and we would like to propose that we still have a project update teleconference tomorrow (Thursday) at 3:30 PM; however we would like to hold on the final report for the time being. FYI, Jamie and Kathy referred to in Debby's email are both with Rosemont (Jamie Sturgess, VP of New Projects & Kathy Arnold, Director of Environmental & Regulatory Affairs) and have been invited by the CNF to participate in the update conference call and any ongoing project work. Following the teleconference we will review the existing SOW and make revisions as needed.

Please get back to me with any questions.

Cheers,

Dale

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Tuesday, March 23, 2010 1:34 PM
To: Dale Ortman PE
Cc: Debby Kriegel
Subject: Re: FW: Rosemont "Other Facilities" List
Importance: High

Dale,

I presented a brief overview of landforming work by Golder and draft work by Shor to Rosemont today. Jamie and Kathy had lots of immediate comments and questions, but both seem open and willing to consider the ideas. Some specific questions they had:

1. Can they get a copy of the Golder Report? The technical content of this report is beyond FS expertise. Will you provide a review and determine whether it is complete and final?

2. Horst's draft design...

- Can Rosemont review the draft design immediately and then meet with you, me, and Horst to discuss the work before Horst's contract is complete? Jamie would like to have a more iterative process, rather than Horst simply finishing his work and turning in a final report. Some input from Rosemont on what concepts are fine and what concepts are not feasible would create a much better alternative, and I'm hoping that Horst will also see the value of this (and we'll need your thoughts on whether this is workable within his contract). Horst was planning to make a

presentation at 3:30 on Thursday, and this time works for both Jamie and Kathy. Can you talk to Horst about a slightly different presentation? (i.e., a discussion with RCC) The only alternate date that would work for Jamie and Kathy is next Thursday, April 1.

- Does the design truly accommodate the volume of waste rock and tailings? Kathy was skeptical, and would like to review the electronic files immediately. Can Horst provide these prior to Thursday so she can review them briefly?
- Does the leach facility as previously designed fit under the landformed shape?
- How would the PWTS pond and plant need to be reconfigured?
- Did Horst utilize Golder's parameters? If not, what would be needed for Golder to evaluate stability? Is 3:1 the steepest slope on the landformed design?
- Can the design avoid the ballcourt area? (I called Horst last week to ask him to give this another shot)
- Where did the tailings shape come from? I thought that Horst mentioned that it came from the Upper Barrel alternative, but it looks a lot like Rosemont Ranch.

Thanks Dale!

~~~~~  
Debby Kriegel  
Coronado National Forest  
(520) 388-8427

|            |    |                                                                                                                                                   |
|------------|----|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Very noisy | 85 | Gas engine lawn mower at 5 feet.<br>Bulldozer, excavator, or paver at 50 feet.<br>Personal watercraft at 20 feet.<br>Pneumatic wrench at 50 feet. |
|            | 80 | Forklift or front-end loader at 50 feet.<br>Motorboat at 50 feet.<br>Table saw at 25 feet.<br>Vacuum cleaner at 5 feet.                           |

Have a great holiday weekend. I'll talk with you soon.

Steve



"Melissa Reichard"  
<mreichard@swca.com>  
05/17/2010 02:14 PM

To <rlaford@fs.fed.us>, "Beverley A Everson"  
<beverson@fs.fed.us>, "Dale Ortman PE"  
<daleortmanpe@live.com>, <dkriegel@fs.fed.us>, "Kathy"

cc

bcc

Subject Action items from Reclamation meeting

History:

✉ This message has been replied to.

**Action Items/Assignments:**

- Facility & features meeting- integrating into IDT meeting on May 24
- Debby- Research and revegetation information that FS needs to Kathy by May 28
- Melissa- Forward Holly's revegetation presentation made to Cooperators to Marcie
- Melissa- Post mine land use determinations feedback from IDT to Debby by Thursday to Melissa by Friday May 21st- for Monday's meeting
- Bev- Regional commitment for land reclamation bonding
- Melissa- merge reclamation element grids from Debby and RCC

*Melissa Reichard*

Project Administrator  
SWCA Environmental Consultants  
(520)325-9194 ofc. (520)250-6204 cell



"Marcie Bidwell"  
<mbidwell@swca.com>  
07/15/2009 01:34 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
bcc  
Subject RE: Simulation task list~ is this what you are looking for?

Debby,

Thanks for your thoughts on the simulations, I will work this in with my table and see what we get.

I added your language into the Scope for Sims and sent it to Charles. You, Reta and Bev should receive it soon. Regarding the 28 sims, I am just afraid that RCC will freak out if we start with that large of a number. Do you think we can start with the 10 sims and then see if we need to do more (thinking we will); I just don't want to lose the work due to the price tag and the number of simulations.

Also, I put an assumption that all views with the mining equipment and facilities in it are time and materials beyond the standard sim hours.

I left it at 5 and you can discuss it with Bev (to raise it) or we can start with the highest important sims and then decide (at the initial stage) that you want it expanded. They are watching prices very closely right now.

I can add a task for more 3D model research (Basically creating the GIS snapshots of the alternatives).

If we did 28 sims, it's going to be really, really expensive, even if some of them are simple.

Anyway, here it comes through the pike and you can discuss it with Bev and Reta. Had to get something in there. We fully expect there to need to be change orders to follow on.

Marcie

---

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Wednesday, July 15, 2009 8:34 AM  
**To:** Marcie Bidwell  
**Cc:** Debby Kriegel  
**Subject:** Re: Simulation task list~ is this what you are looking for?

Marcie:

See my comments below in red and the attached document. Please call me if you want to discuss any of this.

Two other questions:

1. How is your research of other mines going?
2. Do you think you are budgeted sufficiently to complete currently funded tasks?

Thanks!

Debby

"Marcie Bidwell" <mbidwell@swca.com>

To "Debby Krieger" <dkrieger@fs.fed.us>

07/14/2009 10:23 AM

cc

Subject Simulation task list" is this what you are looking for?

Debbie,

can you give this a quick review and let me know if this is what you are looking for~ in table below. Please edit if you want and send back. I will submit to Charles and Tom to resubmit to you, Bev, and Reta.

Also, I am attaching the list of actions that we reviewed this morning (whats funded, not funded, simulation request)

**Bold- Simulation request**

*Italics- underway as Alternative Development*

Plain- not funded, not included

<<Visual\_Resource\_Proposal\_2009-07-14 Review.pdf>>

**Task 1. Consultation with USFS and Rosemont to Select Simulations and Phases**

(Note: consulting with Rosemont should help them understand why we selected the simulation points and phases, but the USFS needs to have the final say)

*Review all KOPs established by the USFS and select-5 (Estimated = 28. See the attached document.) key observation points (KOPs) to propose to USFS for simulations.*

*Prepare and review "existing conditions" panoramas for potential KOP simulations. Select-a-phases to represent for each KOP in addition to Reclamation (i.e. construction at 5 years, etc).*

*Meet with USFS and RCC (including Sage/Tetrattech reclamation team) to review data, KOP selection and "photo realistic" process.*

**Task 2. 3D Surface and Scene construction**

*Collect nessecary (typo) data and generate 3-D digital surfaces for the MPO at each construction phase selected for simulations. This step will include researching what the pit will look like and generating 3D plant facilities if needed.*

*Create one set of 3-D GIS Arc Globe working maps and diagrams Construct 3-D working diagrams for RCC and USFS to review potential scenes from each KOP to be selected.*

*Review with USFS and RCC for proposed simulations (i.e. does the KOP portray a scene which is representative of desired viewshed and phase of construction for visual analysis.*

**Task 3. Visual Simulations Construction and Review with USFS/RCC**

*Create photo-realistic computer simulations of MPO for-5-KOPs and-2-phases for each KOP. Each simulation will show waste rock and tailing pile forms, pit, roads, and infrastructure.*

*Prepare photorealistic simulation images for 5 KOPs.*

*Review draft simulations with resources specialists from RCC, USFS, and SWCA to direct specific aspects of renderings: reclamation, soils, vegetation, etc.*

*Complete a Draft review with USFS and RCC staff at meeting in Tucson.*

#### **Task 4. Photo Simulation Finalization**

*Complete changes to simulations and submit to USFS and RCC for final approval.*

I recommend that your proposal also include other currently unfunded work, including the following:

- Conduct site visits to other mines to glean best management practices (1g)
- Determine landscape patterns and explore concepts for shaping waste rock and tailings piles that better protects and mimics natural landforms and valued landscape character. Conduct site analysis. Define criteria for shaping new topography to mimic surrounding landscape and provide natural drainage patterns to direct and slow water for plants, determine revegetation species, sizes, and patterns, and explore options for possible roads and/or trails on piles (modified 3d and 3f)
- Prepare "before" images (3g)
- Show results of simulations to IDT and get feedback (3i)
- One more site visit (including a meeting with Dr. Pepper)

**Marcie Demmy Bidwell**

**Environmental Planner**

**130 Rock Point Drive, Suite A**

**Durango, Colorado 81301**

**Office: 970.385.8566**

**Fax: 970.385.1938**

**[www.swca.com](http://www.swca.com) [attachment "Visual\_Resource\_Proposal\_2009-07-14 Review.pdf" deleted by Debby Kriegel/R3/USDAFS]**

Debby Kriegel/R3/USDAFS  
08/12/2010 01:25 PM

To "Marcie Bidwell" <mbidwell@swca.com>, dharris@swca.com  
cc Debby Kriegel/R3/USDAFS@FSNOTES  
bcc  
Subject Re: Update on Visual Section and Progress

Thanks for the update! My comments are below in red.

Also, I was at the site with Jeff Fehmi this morning looking at the test plots. I am now convinced that the Arkose rock is a medium reddish-brown and the Gila Conglomerate is not terribly light-colored, so your simulation colors are fine (you already knew that, it just took me some time to convince myself!). I have photos if you're interested.

"Marcie Bidwell" <mbidwell@swca.com>



"Marcie Bidwell"  
<mbidwell@swca.com>  
08/12/2010 09:54 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "David Harris"  
<dharris@swca.com>  
cc "Tom Furgason" <tfurgason@swca.com>, "Jonathan Rigg"  
<jrigg@swca.com>  
Subject Update on Visual Section and Progress

Hello David and Debby,

A report in~ David and I will draft an updated schedule today and forward it to you. Below is the message that I sent to Tom Furgason on Monday, figuring that he would circulate it to the USFS. I had not seen this until just now. Good overview of progress. I look forward to seeing a schedule.

Environmental Consequences chapter is being written. We are doing some more calculations of areas of SIOs, Scenic Attractiveness Affected, etc. Thus far, I believe that you have reviewed all of the figures that we are planning to place in the section; David and I were going to report the differences in acres of impact in a table beyond the figures that you have seen (i.e. not multiple maps of basically the same information summarized different ways). I've reviewed many simulations, and we discussed the draft, unpopulated tables you had in your outline. Is this what you mean by all figures have been reviewed?

Simulations are moving, but slower than expected due to technical difficulties with file exchanges and staff scheduling. Our client access site that we are using for sharing files has been down for a few days, with spotty service.

Since Monday, I have seen another 4 simulations and made comments on them. I sent them back to Chris to edit a few things before sending on to you.

Simulation of Pit Modified to show "connected" benches- Debby, **please review this simulation for the pit and pit only.** This looks fine to me. Do you want Rosemont to verify? One question I have: Are the diversion channels shown?

**Caveats** ~ The buildings are as they will be shown (blocks), however we will adjust the color. It matches the digital paint chip that we were sent, but I think it would be more washed out in reality in the bright sun in this picture. The buildings look way too light-colored already. Didn't we agree to use Carlsbad Canyon (the BLM standard color) for everything but the MPO?

Additionally, the roads and graded plant site will be more 3Dimensional and lighter, like a road surface, than its shown here. Finally, the access and perimeter roads will also be lighter. Finally, the structures for the transmission line is in this simulation, but the conveyor isn't really established yet. The supports are shown, but not the actual conveyor. We are obviously working on that as well.

Thank you,

Marcie

<<KOP\_2\_SCH\_20YR.jpg>>

---

**From:** Marcie Bidwell  
**Sent:** Monday, August 09, 2010 12:07 AM  
**To:** Tom Furgason; Jonathan Rigg; Melissa Reichard  
**Cc:** David Harris; Trent Reeder; Tom Yoder  
**Subject:** Update on Visual Section and Progress

Hello Tom, Melissa, and Jonathan,

I am writing this email to update you on the progress that we have made thus far in the mad dash to complete the Visual Resource Assessment in record time. Well, in summary, we have been working at a tremendous pace and testing the strength of human will to work. I am very proud of what we have accomplished. That being said, I must at the same time must tell you that we are falling off schedule due to the complexity of the project, the level of detail involved, the enormity of what there is to accomplish, and summer schedules. It's just too tight. The original schedule that we are attempting to follow from July 16 did not really include any extra time for quality assurance, additional tasks, or the occasional redirection from the USFS. Additionally, we did not anticipate certain pieces of this process, such as that the Scholefield alternative would need correction (flying alternative), Debby would need assistance for SWCA to print and deliver copies of all of the simulations, and that Melissa would need to take photos of the quarry.

The following is an accounting of what we have accomplished. I think you will agree that we are making enormous progress considering the corners we were given and who we are working

with. Please celebrate this success with me by reading on:

#### ACCOMPLISHMENTS SINCE JULY 16

1. Additional data was posted by Tetra Tech during the week of July 23 (after the lockbox), including changes to the grading of roads, updates on other layers, and rock color data. We continued to download and check data for critical changes during this week.
2. Additional staff was added to assist with completion of the tasks agreed upon on 7/16. Namely, David Harris from SLC office is assisting with EC analysis, edits to the AE, and quality assurance; he has been studying up on the project and is now fully up to speed. Additionally, Chris Loftus (photoreal illustrator) has picked up more hours. However, Mike Andres (GIS/layout for final figures) has become a temporary employee in the Durango office and his availability is limited. Mike's change in status also affects my availability, as he was my only back up on a few other projects requiring field monitoring and he will not be able to regularly assist with figure production for Rosemont. Finally, Trent is now on vacation for his wedding; he will be out until August 30.
3. I hosted the **Vegetation and Color webinar** on July 22, as promised. Bob Lefebvre, Terry, Debby, and Bev attended from the USFS. It was decided at that webinar that Bob's discussion of expected vegetation results would be used for simulations. However, it was also discussed that Bob's piece lists expected vegetation for North or south communities, and the simulations are primarily showing east and west views of the alternatives. We decided to keep to the assumption of less than 10% cover (etc) for these slopes as well.
4. I prepared a **detailed slide show** for Debby to present at the USFS- RCC meeting on the simulations showing the process, color sources, and structure of the simulation process for the meeting on July 23. At this meeting, feedback was received that the pit and colors of the pit should consider the way that the marble quarry appears differently at different distances. Melissa took those pictures the week of August 2-4 and sent those pictures to me on Friday. We have studied those pictures and are working the results into the simulations as we produce them.
5. **GIS Scenes of all simulations** were completed and provided to Debby for review. To assist her review, Melissa and Jonathan assisted in downloading files and saving them to a disk for her to review the GIS images. I provided a detailed walk through last week.
6. **Updated Affected Environment-** we submitted the AE on time to Debby; she and RO have reviewed it. We are making changes and updates to it now. We hope to complete that this week to SWCA editing and formatting to be added into the EIS.
7. **Outline of Environmental Consequences-** David and I submitted a rough outline to Debby for feedback last week. She made comments and submitted a simpler version back to us. It is clear that the EIS outline provided by the USFS (for all EIS sections) is problematic for visual

resources, in particular with the sections for Impacts Common to All Action Alternatives and Mitigation Effectiveness. These sections add complexity to the flow of the visual resources analysis. David and I are reviewing examples of how other complex analysis sections have dealt with these pieces. We hope to have these issues worked out soon, and resubmit the outline to Debby early this week.

We added analysis sections to include the Cooperating Agencies that have specific information or regulations related to visual resources- specifically, BLM and Pima County. BLM analysis will include the lands affected by the transmission line or the mine. Pima County analysis will include the protection for gateways and protected mountains overlay zones in the Pima County Codes.

**8. Map figures-** Map figures were recreated as necessary, to update them to show the new data that we had received.

**9. EPG Transmission Analysis-** David and I talked with Crystal at EPG to discuss her analysis for the TEP process. As noted above, the affects of the transmission line, waterline, and utility corridor will be incorporated into the EC as appropriate.

**10. Chapter 2-** Additionally, I provided comments regarding Chapter 2 and the descriptions of the mitigation listed and ideas for what appears to still be missing that is needed for discussion and accuracy with the mitigation table.

**11. Simulation Reviews-** We have completed first drafts of approximately 21 of the total 29 simulations. However, as some comments regarding pit and color were received after the first draft was initiated, these changes have not been incorporated into all of the drafts. I still think that this progress is incredible. We will continue to bring the pit and color changes all the way through the simulations and then present a COMPLETE DRAFT in figure template for USFS review.

**12. Review of Rock Colors posted by Tetra Tech-** I reviewed the rock colors that Tetra Tech posted to the website on July 23. These are the photos of the drill logs with cores in boxes. They are not useful for colors to be seen in the photographs of the pit as they were taken when the cores were wet and not in direct sun. We will continue with our original process until someone can produce better images for us.

I will consult with the team tomorrow and send you an updated schedule. We are doing the best we can, captain! She cant take much more.

Hope you had a good weekend,

Marcie

**Marcie Demmy Bidwell**

**Environmental Planner**

**130 Rock Point Drive, Suite A**

**Durango, Colorado 81301**

**Office: 970.385.8566**

**Fax: 970.385.1938**

**[www.swca.com](http://www.swca.com)[attachment "KOP\_2\_SCH\_20YR.jpg" deleted by Debby Kriegel/R3/USDAFS]**

Debby Kriegel/R3/USDAFS  
08/20/2009 11:14 AM

To Beverley A Everson/R3/USDAFS@FSNOTES,  
tfurgason@swca.com, ccoyle@swca.com  
cc mbidwell@swca.com, Melinda D  
Roth/R3/USDAFS@FSNOTES, Debby  
Kriegel/R3/USDAFS@FSNOTES  
bcc

Subject Rosemont Alternatives 6B and 6C

Marcie, Trent, and I just spent an hour or two looking at alternatives 6B and 6C in the 3-D model. Trent's modeling of 6B was pretty straightforward, but modeling 6C was troublesome because:

- The drawing provided by Rosemont uses different contour intervals and shows incremental phases, so it's tough to be certain about the final top surfaces.
- The eastern lobe (near Hwy83) has an elevation label of 4925', which Trent confirmed matches the other topo lines for the proposed waste rock pile here, but this is actually **below** existing grade. It makes no sense that Rosemont would dig a crater if they're trying to lose material.
- It is not clear why Rosemont would choose build the many buttresses that end rather abruptly in this alternative. They've told me that building buttresses is expensive, so why have they chosen to do this, especially when they're leaving a crater between them? Are these buttresses somehow helpful to transporting material?

We need to speak with the engineer who drew alternative 6C to get some clarification. Once we understand what we're looking at (and verify that it's correct), we should be able to recommend 6B or 6C. It would likely be useful to get Trent a drawing that shows only the final top surface of 6C with a consistent contour interval ASAP. Does anyone know who did this drawing?

Marcie will be at the Tucson SWCA office tomorrow morning and will talk with Tom about how to get answers to these questions. The earliest possible date that Marcie, Trent, and I could reassemble to look at this again is Wed, August 26. Assuming we have a Rosemont meeting that day that starts at 9, hopefully we can meet earlier in the morning and have an answer at that time.

Thanks.



"Terry Chute"  
<tjchute@msn.com>  
07/26/2010 04:59 PM

To "Melinda D Roth" <mroth@fs.fed.us>, "Debby Kriegel"  
<dkriegel@fs.fed.us>  
cc "Tom Furgason" <tfurgason@swca.com>, "Beverley A  
Everson" <beverson@fs.fed.us>  
bcc

Subject Re: Rosemont DEIS - Visual Quality and Recreation delays

Debby,

We know you are working hard and doing the best you can - that is all we can ask and we all appreciate your efforts. There continues to be lots of moving parts with the visual analysis and, unfortunately, no one person controls them all. Thanks for keeping us informed - please continue to do so.

Tom - Can you please check on Tuesday to see if we can get these products to Debby? Thanks.

Terry Chute

**From:** Debby Kriegel

**Sent:** Monday, July 26, 2010 4:24 PM

**To:** tjchute@msn.com ; Melinda D Roth

**Cc:** Debby Kriegel

**Subject:** Rosemont DEIS - Visual Quality and Recreation delays

It is nearly 3:30 on Monday.

SWCA was supposed to have the recreation affected environment to me today. Steve Leslie called me this morning to say he would get this to me by the end of the day. I am still waiting.

SWCA was supposed to have the visual quality affected environment, some simulations, and an outline for the environmental consequences to me on Friday. Late this morning, Marcie sent me a link to the SWCA website where she has posted some simulations. They are problematic for me to download, so I have asked for printed versions, which Melissa is working on. At noon, Marcie Bidwell sent me the affected environment without maps, graphics, or photos, and with numerous other gaps (comments with questions, references missing, and some of my comments from November not incorporated). I left her a voicemail stating that I need a more complete version. I have not seen anything for the environmental consequences outline.

The RO and me were supposed to comment on these items by this Friday, but that was based on having the whole week to review, and now I need to FedEx items to the RO, which will take another day. This is a lot of material to review very quickly, and we've already lost today.

Just wanted you to know that there continue to be problems and delays.

Debby Kriegel/R3/USDAFS  
06/08/2010 11:35 AM

To mbidwell@swca.com  
cc Debby Kriegel/R3/USDAFS@FSNOTES  
bcc  
Subject Rosemont Project Record

Hi Marcie,

At a handful of meetings with Tetra Tech and others, you typed up meeting minutes. Would you please forward these documents to Melissa to put in the project record?

Thanks.

-----  
Debby Kriegel, RLA  
Landscape Architect  
Coronado National Forest  
300 W. Congress  
Tucson, AZ 85701  
(520) 388-8427  
Fax (520) 388-8305  
[www.fs.fed.us/r3/coronado/](http://www.fs.fed.us/r3/coronado/)  
[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)



"Marcie Bidwell"  
<mbidwell@swca.com>  
02/10/2010 09:24 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
bcc

Subject RE: Update Status of Progress RE: Visualization  
Coordination Meeting, Notes and Follow Up Questions

History: This message has been replied to.

I will give you a call this morning; it would be good to check in. I think this conversation is a good example of where we are all using slightly different language, but asking for the same thing- a dose of reality, as much as possible. Its defining what is possible to know at this time that we are waiting on. Golder, Tt, Horst, etc will be informing this.

I was thinking that Golder and Horst were mainly focusing on one alternative. SOunds like from the discusison that there may be further reaching analysis to other alternatives.

Are you available at 11:00 today?

Marcie

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Wednesday, February 10, 2010 8:32 AM  
**To:** Marcie Bidwell  
**Subject:** Re: Update Status of Progress RE: Visualization Coordination Meeting, Notes and Follow Up Questions

I think I'm confused about "raw" data vs benches vs "un-smoothed". I trust that you are simulating the actual conditions that would be visible at years 10, 20, etc.

Please call me if we need to discuss..

"Marcie Bidwell"  
<mbidwell@swca.com>

02/09/2010 04:58  
PM

To "Marcie Bidwell" <mbidwell@swca.com>, "Kathy Arnold" <karnold@rosemontcopper.com>, "Debby Kriegel" <dkriegel@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>, "Carrasco, Joel" <Joel.Carrasco@tetrattech.com>, "Krizek, David" <David.Krizek@tetrattech.com>, "Keepers, Ashley" <Ashley.Keepers@tetrattech.com>, "Trent Reeder" <treeder@swca.com>  
cc  
Subjec Update Status of Progress RE: Visualization Coordination Meeting, Notes and Follow Up Questions  
t

Hello Debby, Kathy, Tom and David,

David and I discussed both of our questions and we offer the following as the answers for your approval/agreement:

**1. Simulations by SWCA and Viewshed Analysis by Tetra Tech will use the same contours as base data so that the two tools are consistent and comparable for the analysis.**

**2. Alternatives will all be shown as "raw" contours, rather than a mix of stages of engineering resolution. Thus the MPO and Phased Tailings will be shown as the un-smoothed versions, such as Figure 11 in the Reclamation (and not use the reclamation contours presented for the MPO in Figure 12 of the reclamation plan as asked below).**

**3. SWCA will use the contours "as given" to us from Tetra Tech and show benches where designed in the "raw" format.**

**4. Tetra Tech will provide SWCA with a sketch of stormwater runoff for "watershed design" and SWCA will use these sketches to approximate the location of stormwater channels. Tetra Tech will include notes where there are major go/no go changes in the stormwater planning (anticipated).**

**5. For the SWCA simulations, reclamation will be generalized for all of the alternatives in a similar fashion.**

Thank you, (David, did I miss anything?)

Marcie

**See notes in bold below to show specific answers to questions.**

---

**From:** Marcie Bidwell

**Sent:** Wednesday, February 03, 2010 4:24 PM

**To:** 'Kathy Arnold'; 'Debby Kriegel'; Tom Furgason; Carrasco, Joel; 'Krizek, David'; 'Keepers, Ashley'; Trent Reeder

**Subject:** Visualization Coordination Meeting, Notes and Follow Up Questions

#### **MPO- Specific Questions-**

**1. Please confirm which presentation of the MPO grading we should use for vizualizations at Y10 is as presented in Figure 9 of the Reclamation and Closure Plan (RCP). SWCA will show benches as presented in Figure 9, but will use the updated contours as recently delivered by Tetra Tech.**

**2. Please confirm which presentation of the MPO grading we should use for visualizations at Y20 should be shown as Figure 11 or Figure 12 of the RCP. Figure 11, without the final reclamation grading.**

**3. Please indicate what the geodatabase layer name is that will have the "composite of yearly reclamation areas" in the data provided. SWCA will not use this "composite" for the MPO as a detailed phasing diagram does not exist for each alternative. SWCA will generalize the reclamation as starting at the bottom and adding a new ring with each year (the yearly rings will not be super pronounced by YR10).**

4. SWCA understands that the MPO should show benches as the following: waste rock, as 100 ft running slopes for each bench and approximately 100ft wide road/bench surface; and tailings as 50 ft benches and running surface; the attached image shows the output from the MPO with benches as submitted. **Please confirm if this is what we should use for final grading. As stated above, grading will be used as delivered. Generally, these descriptions apply to each alternative, with some exceptions to be noted by Tetra Tech.**

Marcie Demmy Bidwell  
Environmental Planner  
130 Rock Point Drive, Suite A  
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Office: 970.385.8566  
Fax: 970.385.1938  
[www.swca.com](http://www.swca.com)

Debby Kriegel/R3/USDAFS  
11/19/2008 10:05 AM

To mbidwell@swca.com  
cc tfurgason@swca.com, Debby  
Kriegel/R3/USDAFS@FSNOTES  
bcc  
Subject Rosemont EIS - Recreation Data 

Hi Marcie:

As I mentioned, there is no recreation-specific data for the project area. However, there are 3 sources of general information that can be used to provide some quantitative analysis for recreation:

1. Arizona SCORP (Statewide Comprehensive Outdoor Recreation Plan), available at <http://pr.state.az.us/publications/index.html#SCORP>. This has lots of good Arizona and Pima County data.
2. ADOT road counters on Hwy 83. Go to <http://www.dot.state.az.us/> and on the left side, pick "Multimodal Planning" and "Traffic Data", then "Traffic Counts", open the pdf and scroll several pages to SR83. The last 2 items (Hwy 82 to 1-10) give traffic counts for the area near the proposed project.
3. The Forest Service's NVUM (National Visitor Use Monitoring), which provides recreation data for the Coronado National Forest. Go to <http://www.fs.fed.us/recreation/programs/nvum/> and select the report for the Coronado.

Also, I've been thinking about what you said about getting other resources involved and/or supporting an alternative with radically different waste rock shaping. I talked to Bev about this and she thinks the key resources ready to proceed with this are recreation, scenery, and wildlife. She thinks the other resources may be interested later, once the ideas are farther along. Then I spoke with wildlife biologist Larry Jones and he is VERY interested in being involved in crafting an alternative like this. However, he is not available until December. He would like to know what we find out from Dale and Daniel might be possible. Then he will join us for the next few steps...whatever they are!!

Thanks!

Debby



"Marcie Bidwell"  
<mbidwell@swca.com>  
06/25/2009 11:44 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Charles Coyle"  
<ccoyle@swca.com>  
cc "Lara Mitchell" <lmitchell@swca.com>

bcc

Subject: Bounds~ Map boundaries- Visuals and Land use

History:  This message has been replied to.

Debby and Charles,

Incorporating feed back and input from both of you and multiple sources, here is the final version of hte bounds of analysis.

Please let me know if you have any questions!  
Marcie

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Tuesday, June 16, 2009 9:04 AM  
**To:** Marcie Bidwell  
**Cc:** Debby Kriegel  
**Subject:** Re: Bounds~ Map boundaries- Visuals and Land use

Marcie: Here are my comments (in red). Thanks. Debby

#### **VISUAL RESOURCES:**

1. The temporal bounds of analysis for Visual Resources is intended to include the area that may impact or be impacted by the proposed project. As such, the temporal bounds of analysis include Construction, Operations, Reclamation, and Post-Closure. Additionally, within the Operations time boundary, a sub-boundary for visual resources will include the completion reclamation of the ~~tailings berm~~ perimeter buttress that is intended to screen the mine operation. *(the last sentence is not necessary, as this will be covered within the other boundaries, but if you think it's important to mention, that's fine)*

2. The geographic bounds of the visual resource analysis is defined as (1) the project site (project boundary), (2) ~~Nogales Forest Unit~~, Santa Rita EMA (3) Coronado National Forest, and (4) Santa Cruz County and Eastern Pima Counties.

#### **LAND USE:** Is this a new issue?

1. The temporal bounds of analysis for Land Use is intended to describe the land use planning that may impact or be impacted by the proposed project. As such, the temporal bounds of analysis include Construction, Operations, Reclamation, and Post-Closure.

2. Geographic- The potential impacts to Land Use Resources include the project area and surrounding lands as they are managed for land use, and are defined as (1) the project site (project boundary), (2) Nogales Forest Unit, (3) Coronado National Forest, and (4) southern Santa Cruz and northern Pima Counties.

"Marcie Bidwell" <mbidwell@swca.com>

06/15/2009 11:55 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>

cc

Subject: Bounds~ Map boundaries- Visuals and Land use

Hello Debby

Welcome back~ hope you had a great time up north on vacation.

Please see the bounds of analysis discussion below. I had sent you a short description of it before you left, but I am not sure that we actually decided. I have further added on to that description and descriptions.

As we need to have an easily definable area, I shy'd away from doing a visual analysis of all areas that can see the Santa Ritas, and tried to use boundaries that already exist. You and I have discussed that Tucson is within view of the Santa Ritas, and thought that Pima County might be a good way to capture that area in a easier to define way.

Finally, I also suggested that we use the Nogales Forest Unit and the Coronado NF as two others, as the LRMP is defined by those units.

Please confirm/comment on the list below,

Thanks!

Marcie

---

**From:** Lara Mitchell

**Sent:** Monday, June 15, 2009 10:34 AM

**To:** Marcie Bidwell

**Subject:** RE: Bounds~ Map boundaries- Visuals and Land use

Hi Marcie

Just wanted to double check on the bounds for the maps, you want to show all of the Coronado NF, highlighted in blue on the attached screen shot? And all of Pima county, all the way out past Ajo?

Thanks

<<visual\_miles.pdf>>

---

**From:** Marcie Bidwell

**Sent:** Friday, June 12, 2009 3:19 PM  
**To:** Lara Mitchell; Charles Coyle; Stephen Leslie  
**Subject:** Bounds~ Map boundaries- Visuals and Land use

Lara and Charles!

Here is what I recommend to the Forest for visuals. The boundaries should be existing GIS files.

**VISUALS:**

1. The temporal bounds of analysis for Visual Resources is intended to include the area that may impact or be impacted by the proposed project. As such, the temporal bounds of analysis include Construction, Operations, Reclamation, and Post-Closure. Additionally, within the Operations time boundary, a sub-boundary for visuals will include the completion reclamation of the tailings berm that is intended to screen the mine operation.
2. The geographic bounds of the visual resource analysis is defined as (1) the project site (project boundary), (2) Nogales Forest Unit, (3) Coronado National Forest, and (4) Santa Cruz and Pima Counties.

**LAND USE:**

1. The temporal bounds of analysis for Land Use is intended to describe the land use planning that may impact or be impacted by the proposed project. As such, the temporal bounds of analysis include Construction, Operations, Reclamation, and Post-Closure.
2. Geographic- The potential impacts to Land Use Resources include the project area and surrounding lands as they are managed for land use, and are defined as (1) the project site (project boundary), (2) Nogales Forest Unit, (3) Coronado National Forest, and (4) southern Santa Cruz and northern Pima Counties.

***If "northern Santa Cruz" and "southern Pima" is hard to define (perhaps cut them in half), then we could use the whole counties. Either way.***

Marcie Demmy Bidwell  
Environmental Planner  
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Fax: 970.385.1938

[www.swca.com](http://www.swca.com) [attachment "visual\_miles.pdf" deleted by Debby Kriegel/R3/USDAFS]



Visual Resources Bounds of Analysis-mdb.doc

## **Rosemont Recreation and Wilderness Bounds of Analysis**

The bounds of analysis for the elements of the Recreation and Wilderness disciplines as presented in the Rosemont Project EIS Draft Chapter 3 Affected Environment Outline, May 19, 2009 will apply to both the group of twelve issues deemed “significant” by the CNF and any additional issues that may be described in Chapter 3 Affected Environment, regardless of a determination of “significance”. The bounds of analysis for recreation and wilderness encompass both the temporal and spatial extent necessary to describe the recreation and wilderness resources that may be impacted by the proposed project. The potential impacts to recreation and wilderness are related to disruption of access, diminished quality of recreational setting and values, increased noise, decreased opportunities for solitude, reduced public safety, conflicts with special use permittees, and increases in visitation to other sites as a result of visitor displacement.

Temporal bounds are described in terms of the four phases being applied to the Rosemont Project. These four phases consist of: Construction, Operations, Closure and Post Closure. The potential impacts described above would occur throughout and following the active mine life. As such, the temporal bounds of analysis for recreation and wilderness would include all four phases of the proposed action.

Spatial bounds are described by the geographic area to be used for analysis; this memo describes the spatial bounds in general geographic terms (need map). The potential impacts to recreation and wilderness would occur within the following geographic bounds consisting of the active project area, the forest unit encompassing the Santa Rita Mountains of the CNF, including the Mount Wrightson Wilderness and the Las Colinas section of the Arizona Trail, as well as the BLM managed Las Cienegas Conservation Area east of the forest unit.

Debby Kriegel/R3/USDAFS  
07/15/2009 07:34 AM

To "Marcie Bidwell" <mbidwell@swca.com>  
cc Debby Kriegel/R3/USDAFS@FSNOTES  
bcc  
Subject Re: Simulation task list~ is this what you are looking for? 

Marcie:

See my comments below in red and the attached document. Please call me if you want to discuss any of this.

Two other questions:

1. How is your research of other mines going?
2. Do you think you are budgeted sufficiently to complete currently funded tasks?

Thanks!

Debby

"Marcie Bidwell" <mbidwell@swca.com>



"Marcie Bidwell"  
<mbidwell@swca.com>  
07/14/2009 10:23 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
Subject Simulation task list~ is this what you are looking for?

Debbie,

can you give this a quick review and let me know if this is what you are looking for~ in table below. Please edit if you want and send back. I will submit to Charles and Tom to resubmit to you, Bev, and Reta.

Also, I am attaching the list of actions that we reviewed this morning (whats funded, not funded, simulation request)

**Bold- Simulation request**

*Italics- underway as Alternative Development*

Plain- not funded, not included

<<Visual\_Resource\_Proposal\_2009-07-14 Review.pdf>>

Task 1. Consultation with USFS and Rosemont to Select Simulations and Phases  
(Note: consulting with Rosemont should help them understand why we selected the simulation points and phases, but the USFS needs to have the final say)

*Review all KOPs established by the USFS and select-5 (Estimated = 28. See the attached document.) key observation points (KOPs) to propose to USFS for simulations.*

*Prepare and review "existing conditions" panoramas for potential KOP simulations. Select-a-phases*

*to represent for each KOP in addition to Reclamation (i.e. construction at 5 years, etc).*

*Meet with USFS and RCC (including Sage/Tetrattech reclamation team) to review data, KOP selection and "photo realistic" process.*

## **Task 2. 3D Surface and Scene construction**

*Collect necessary (typo) data and generate 3-D digital surfaces for the MPO at each construction phase selected for simulations. This step will include researching what the pit will look like and generating 3D plant facilities if needed.*

*Create one set of 3-D GIS Arc Globe working maps and diagrams Construct 3-D working diagrams for RCC and USFS to review potential scenes from each KOP to be selected.*

*Review with USFS and RCC for proposed simulations (i.e. does the KOP portray a scene which is representative of desired viewshed and phase of construction for visual analysis.*

## **Task 3. Visual Simulations Construction and Review with USFS/RCC**

*Create photo-realistic computer simulations of MPO for 5-KOPs and 2-phases for each KOP. Each simulation will show waste rock and tailing pile forms, pit, roads, and infrastructure.*

*Prepare photorealistic simulation images for 5 KOPs.*

*Review draft simulations with resources specialists from RCC, USFS, and SWCA to direct specific aspects of renderings: reclamation, soils, vegetation, etc.*

*Complete a Draft review with USFS and RCC staff at meeting in Tucson.*

## **Task 4. Photo Simulation Finalization**

*Complete changes to simulations and submit to USFS and RCC for final approval.*

I recommend that your proposal also include other currently unfunded work, including the following:

- Conduct site visits to other mines to glean best management practices (1g)
- Determine landscape patterns and explore concepts for shaping waste rock and tailings piles that better protects and mimics natural landforms and valued landscape character. Conduct site analysis. Define criteria for shaping new topography to mimic surrounding landscape and provide natural drainage patterns to direct and slow water for plants, determine revegetation species, sizes, and patterns, and explore options for possible roads and/or trails on piles (modified 3d and 3f)
- Prepare "before" images (3g)
- Show results of simulations to IDT and get feedback (3i)
- One more site visit (including a meeting with Dr. Pepper)



Simulation\_Strategy.doc

Marcie Demmy Bidwell  
Environmental Planner  
130 Rock Point Drive, Suite A  
Durango, Colorado 81301  
Office: 970.385.8566  
Fax: 970.385.1938

[www.swca.com](http://www.swca.com) [attachment "Visual\_Resource\_Proposal\_2009-07-14 Review.pdf" deleted by Debby Kriegel/R3/USDAFS]

**D R A F T**

**Simulations Needed for Rosemont Analysis**

July 15, 2009

Project not visible (no simulations needed?)

- Madera Canyon (0)
- San Xavier (0)

***Total 0 simulations***

Project effects very small - Very easy simulations – Only simulate worst year

- Tucson (2 locations) – only Sycamore visible (2)
- Vail – only Sycamore visible (1)
- Corona de Tucson – only Sycamore visible (1)
- Sahuarita – only Sycamore visible (1)
- Sonoita (1)
- Green Valley (I-19) – only Sycamore visible (1)
- Las Cienegas Conservation Area (1)
- Wildernesses (2 simulations) (2)

***Total 10 simple simulations***

Project effects moderate – Simulate worst year and post-reclamation

- Hilton Rd. (2)
- Box Canyon (2)

***Total 4 simulations***

Project effects very large - Simulations will require extensive work to properly show pit, plant, waste rock and tailings, roads, utilities, etc. with much foreground detail. Need to simulate appropriate phases (construction, year 5/10/15/20, closure, and/or full reclamation)

- Arizona Trail (1 simulation showing view along trail at the toe of ~700 ft waste rock slope and 1 simulation showing view of alternative 1)
- Hwy 83 (2 KOPs)
- FS Roads and/or OHV trails or staging area (2 KOPs)

***Totals: 2 simulations for Arizona Trail.***

***4 simulations for other locations on forest x 7 phases maximum = 28 total possible simulations. Select ½ of these to finalize. Total = 14.***



"Marcie Bidwell"  
<mbidwell@swca.com>  
03/08/2010 05:42 PM

To "Horst" <hjschor@jps.net>, "Debby Kriegel"  
<dkriegel@fs.fed.us>  
cc "Tom Furgason" <tfurgason@swca.com>, "Melissa  
Reichard" <mreichard@swca.com>  
bcc  
Subject RE: USFS Key Observation Points (KOPs) for Rosemont  
Copper Project

Hello Horst,

After our call, I asked our GIS folks to help package the KOPs in a CAD or PDF format for you. Stand by.

Additionally, here are two tools for understanding the viewsheds and screening.

**SH83 VS DZ Existing-notes.pdf** is a linear viewshed analysis for the Scenic 83 corridor that shows the landscape that is visible from the highway and screening areas as well. The Red, orange and yellow show different distance zones that are USFS standards for management for activities (detailed in the legend).

**Site Analysis.pdf** shows the main KOPs (all have new numbers now) and their viewshed directions. Additionally, I have shown the main screening areas as green.

Let me know if you have any questions.

Marcie

<<11204\_Site Analysis.pdf>> <<11204\_SH83\_VSb\_DZ\_Existing-notes.pdf>>

---

**From:** Marcie Bidwell  
**Sent:** Monday, March 08, 2010 4:40 PM  
**To:** 'Horst'; 'Debby Kriegel'  
**Cc:** Tom Furgason; Melissa Reichard  
**Subject:** USFS Key Observation Points (KOPs) for Rosemont Copper Project

Hello Horst,

Please find attached the shapefiles for the Key Observation Points (KOPs) for the Visual Analysis. These locations were chosen by the Forest Service as the best representation of views in the project area.

These are the KOPs that SWCA will be using to represent the typical views for the most sensitive viewers. The KOPs along Scenic Road 83 are the places with the "most visible" conditions for views of the storage areas and the pit (should it not be blocked from view by the storage areas).

Let me know if you have any questions regarding these locations.

Cheers,  
Marcie

<< File: UpdatedKOPs.zip >>

**Marcie Demmy Bidwell**

**Environmental Planner**

**130 Rock Point Drive, Suite A**

**Durango, Colorado 81301**

**Office: 970.385.8566**

**Fax: 970.385.1938**

**[www.swca.com](http://www.swca.com) [attachment "11204\_Site Analysis.pdf" deleted by Debby Kriegel/R3/USDAFS]**

**[attachment "11204\_SH83\_VSb\_DZ\_Existing-notes.pdf" deleted by Debby**

**Kriegel/R3/USDAFS]**



**Beverley A  
Everson/R3/USDAFS**  
04/21/2010 12:36 PM

To karnold@rosemontcopper.com, mrechard@swca.com,  
Debby Kriegel/R3/USDAFS@FSNOTES  
cc Melinda D Roth/R3/USDAFS@FSNOTES  
bcc

Subject Fw: Comments on Tetra Tech's Viewshed Analysis Reports

History: This message has been replied to.

Kathy,

Please see Debby's comments on the recent viewshed analysis reports, below. Mel, I'm cc'ing to you for the admin record.

Bev

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 04/21/2010 12:23 PM -----

**Debby Kriegel/R3/USDAFS**  
04/21/2010 11:26 AM

To Beverley A Everson/R3/USDAFS@FSNOTES  
cc  
Subject Comments on Tetra Tech's Viewshed Analysis Reports

I have reviewed the 6 "Viewshed Analysis" reports from March. Please forward my comments to Rosemont. Thank you.



Review\_Rosemont\_Reports\_Viewshed\_Analysis\_MPO\_and\_Alternatives.doc



File code: 2380

Date: April 21, 2010

To: Bev Everson, Project Manager

This letter provides feedback on 6 "Viewshed Analysis" reports dated March 8, 2010. The reports were prepared by Tetra Tech and provided by Rosemont Copper Company.

These reports provide cumulative analysis of visibility for the MPO and 4 alternatives from a group of Key Observation Points (KOPs), and an assessment of how a partial pit backfill alternative would be different.

The reports are helpful; they provide additional information for visual resource analysis and should be useful as SWCA begins creation of visual simulations. I do, however, have some comments:

1. Label all of the reports "Draft Cumulative Viewshed Analysis for Select KOPs" rather than "Viewshed Analysis". Alternatives for this project are still being refined and therefore these reports should all be considered draft for now. Once alternatives are approved and better defined, these reports should be revisited and updated as needed. Additionally, these are not comprehensive viewshed analyses, but rather cumulative analyses for specific KOPs, so the title should clearly state this. In the final versions, be sure to run the visibility using proposed contours for all mine elements including the heap leach, plant site grading, access road grading, diversion channels, etc.
2. Replace the sentence in the first paragraph of each report that reads "This analysis quantifies the visible disturbance areas associated with each of the alternatives" with "This analysis provides cumulative analysis of visible disturbances associated with each of the alternatives from select KOPs." These are not comprehensive viewshed analyses, nor do they provide quantities (acres).
3. Explain why KOPs 4 and 5 were not used (something like "Per FS and SWCA direction, only KOPs within 5 miles of project were used to focus the results on foreground and middleground visibility").
4. On the Scholefield/McCleary report's ultimate year map, the visibility (colors) within the pit are obscured by the strong contour lines. Correct this to be consistent with the other maps (showing the pit outline only).
5. On the Sycamore/Barrel report, section 2.0 does not indicate that KOP 9 (Sahuarita Road) was used (though the maps indicate that it was included).
6. Include a statement on each report that indicates the metadata/process used for the mapping, such as:

*This viewshed analysis utilizes GIS (program) to select the cells from a digital elevation model (DEM) as visible or non-visible from one or more observation points or lines. The viewshed for each KOP observation point was derived from the United States Geologic Society's xxx Quadrangle of 10 × 10 meter cell resolution. Viewshed analysis parameters were defined for each KOP to account for viewer height and to focus the analysis field of*



*view. These parameters produce a more accurate viewshed result, and also reduce processing time and file size. The parameters used for this analysis include xxxxx.*

Thank you.

/s/ Debby Kriegel

DEBBY KRIEGEL  
Forest Landscape Architect



"Marcie Bidwell"  
<[mbidwell@swca.com](mailto:mbidwell@swca.com)>  
03/01/2010 11:09 AM

To "Debby Kriegel" <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>  
cc  
bcc  
Subject RE: Test run of vegetation

This is the MPO, using all of the contours that Tt provided in their original data set and assuming that each one is a channel. The vertical drop structures are just superimposed, in one location as a test.

Veg, educated opinion (more solid than a guess, but still no other source).

Using San Manuel, at 3-4 years of growth on their pile as spotty veg, mostly filled in; and San Manuel test plots in other locations where 8-10 yrs of growth are showing some trees, very spotty in wet locations; and Narraganset, at 50 yrs with no purposeful reveg (natural selection) showing good shrub cover.... (so backing that up in time).

I hope to document it soon with more research on my own. I have not followed up on your most recent request/discussion with Kathy. Need to contact Holly, the grad student researcher to see if she can fill in a few more examples from the site.

BUt thats what I got to work with. Thought we would mock it up and see what it looks like.

Will proceed (including with the research to document how we picked this veg).  
Marcie

---

**From:** Debby Kriegel [<mailto:dkriegel@fs.fed.us>]  
**Sent:** Monday, March 01, 2010 10:45 AM  
**To:** Marcie Bidwell  
**Subject:** RE: Test run of vegetation

Hi Marcie:

Is this the MPO, or the phased tailings alternative? You mention that it's the MPO (last line in your first message below), but if this is the MPO, how did you get stormwater benches for it?

How did you determine the size of plants/reveg for 10-13 years of growth and 20 years of growth? They look about right to me...did you get some input from someone, or use an educated guess?

I think it will be very worthwhile to complete one whole simulation. It will generate good discussion on benches and landforming, revegetation, pit color mitigation, and many other things. So yes, proceed!

Thanks !!

Debby

"Marcie Bidwell" <mbidwell@swca.com>

03/01/2010 09:47 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>

cc

Subject RE: Test run of vegetation

Thats correct, just a sliver, so that we can test the concept; if you think this works, we can take it to the rest of the view.

Should we proceed?

Thanks for the update on stormwater and Golder's report. I realize lots of us are depending on that information, but just wanted to make sure that you were aware that we were still waiting.

Thanks!

Marcie

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]

**Sent:** Friday, February 26, 2010 12:49 PM

**To:** Marcie Bidwell

**Subject:** Re: Test run of vegetation

These look good. Were they meant to be only a small sliver of the view (i.e., not the whole 110 degree view)?

"Marcie Bidwell"  
<mbidwell@swca.com>

02/26/2010 11:52 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Dale Ortman PE" <daleortmanpe@live.com>, "Tom Furgason" <tfurgason@swca.com>

cc

Subjec Test run of vegetation

t

Debby, Dale and Tom,

While we are waiting on direction on stormwater, we are refining our technique for showing vegetation on the waste rock.

Please find two samples that show:

- vegetation gradient from 20yrs growth at the bottom to 10-13 years growth at the top
- benches at every contour that Tt data currently shows (every 50 feet)
- vegetation concentration on the benches and associated with water drainage courses across the slope.
- a rock course, not sized or designed YET, for stormwater drop structures- these would be positioned and sized according to Tt direction for "typical" stormwater placement.
- View 4- shows less blue/grey "atmosphere" affect, the View 5, shows more "atmosphere" (which refers to the tendency for objects in the distance to be affected by haze and distortion, to appear more blue-greyish, like the Santa Rita ridge in the background).
- Pit colors- not shown. We are working on that separately.

Future simulations will show this patchy and variable vegetation randomly distributed horizontally across the slopes to respond to aspect, moisture concentration, and other factors of randomness that affect regrowth.

Please let me know your thoughts or to schedule a time when we can discuss these examples. I would like to forward them on to Tt and Rosemont after we have reviewed them and are comfortable with them internally.

Thanks!

Marcie

---

**From:** Chris Loftus [mailto:chris@loftuslandscapestudio.com]  
**Sent:** Friday, February 26, 2010 11:03 AM  
**To:** Marcie Bidwell  
**Subject:** FW: Next Steps~ thought I would write it up for clarity

Images attached this time...

Chris Loftus, RLA, ASLA  
Loftus Landscape Studio  
landscape architecture | sustainable site strategies  
970.903.2930 | [www.loftuslandscapestudio.com](http://www.loftuslandscapestudio.com)

---

**From:** Chris Loftus [mailto:chris@loftuslandscapestudio.com]  
**Sent:** Friday, February 26, 2010 11:02 AM  
**To:** 'Marcie Bidwell'  
**Subject:** RE: Next Steps~ thought I would write it up for clarity

Marcie,

Attached are two new sample images. Number 4 shows the darker veg and clean edge; number 5 adds a gray filter over the entire waste rock slope.

I'll be checking email again late this afternoon.

Thanks,

Chris Loftus, RLA, ASLA  
Loftus Landscape Studio  
landscape architecture | sustainable site strategies  
970.903.2930 | [www.loftuslandscapestudio.com](http://www.loftuslandscapestudio.com)

---

**From:** Marcie Bidwell [mailto:[mbidwell@swca.com](mailto:mbidwell@swca.com)]  
**Sent:** Thursday, February 25, 2010 3:42 PM  
**To:** Chris Loftus  
**Subject:** Next Steps~ thought I would write it up for clarity

**To Recap-**

- **KOP 2- UPDATED** (changed my mind) Please do a version of the darker green to the veg, and to clean up the edge by the road now. I will wait to receive that to send it to Debby for feed back. (as long as you think you have time this week)
- **KOP 6-** apply soils and grasses to this KOP. Think about if other veg would be visible. Benching would be faint, I would think from this distance.
- **Pit Colors-** When you receive from Mike, apply colors/textures to the full pit (with no tails in front of it). Use the PDF of rock colors for a guide. However, colors would be several shades lighter, due to lack of varnish and exposure. Assume that the pit has been exposed for 20 years of weathering (and so bench failures, etc will be in the image, like our reference photography).

**Waiting on:**

- Stormwater benching direction for KOPs 1-3, possibly others.
- 3D data from Tetra Tech for other alternatives (so far we are working on the Alt 2, MPO only)

Marcie Demmy Bidwell

Environmental Planner  
130 Rock Point Drive, Suite A  
Durango, Colorado 81301  
Office: 970.385.8566  
Fax: 970.385.1938  
[www.swca.com](http://www.swca.com)

No virus found in this incoming message.  
Checked by AVG - [www.avg.com](http://www.avg.com)

Version: 9.0.733 / Virus Database: 271.1.1/2709 - Release Date: 02/25/10 00:34:00



**Beverley A  
Everson/R3/USDAFS**  
06/29/2010 03:55 PM

To George McKay/R3/USDAFS@FSNOTES  
cc abelauskas@fs.fed.us, aelek@fs.fed.us, cablair@fs.fed.us, ccleblanc@fs.fed.us, dkriegel@fs.fed.us, dsebesta@fs.fed.us, ecuriel@fs.fed.us, hschewel@fs.fed.us,  
bcc  
Subject Re: Barrel-Only Landform

Dale, Tom and Jonathan,

Can this info be added to the map?

Bev

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

George  
McKay/R3/USD  
AFS  
06/29/2010  
03:21 PM

To Beverley A Everson/R3/USDAFS@FSNOTES  
cc abelauskas@fs.fed.us, aelek@fs.fed.us, cablair@fs.fed.us, ccleblanc@fs.fed.us, dkriegel@fs.fed.us, dsebesta@fs.fed.us, ecuriel@fs.fed.us, hschewel@fs.fed.us, Jeremy J Sautter/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, ljones02@fs.fed.us, Melinda D Roth/R3/USDAFS@FSNOTES, mfarrell@fs.fed.us, mreichard@swca.com, rtaford@fs.fed.us, rtefevre@fs.fed.us, seanlockwood@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, temmett@fs.fed.us, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES  
Subject Re: Barrel-Only Landform [Link](#)

Is there a reason why this map does not show section and private ownership lines? It would make it a heck of a lot easier to orientate the alternative to the land ownership and real world if it did, especially for lands.

Beverley A  
Everson/R3/US  
DAFS  
06/29/2010  
02:40 PM

To abelauskas@fs.fed.us, aelek@fs.fed.us, cablair@fs.fed.us, ccleblanc@fs.fed.us, dkriegel@fs.fed.us, dsebesta@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, hschewel@fs.fed.us, Kendall Brown/R3/USDAFS@FSNOTES, ljones02@fs.fed.us, Melinda D Roth/R3/USDAFS@FSNOTES, mfarrell@fs.fed.us, mreichard@swca.com, rtaford@fs.fed.us, rtefevre@fs.fed.us, seanlockwood@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, temmett@fs.fed.us, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Jeremy J

Sautter/R3/USDAFS@FSNOTES

cc  
Subjec Barrel-Only Landform  
t

FYI. Also, we will be discussing this briefly in the IDT meeting tomorrow. I will send the link to the Scholefield footprint that we will also be discussing, briefly.

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 06/29/2010 02:38 PM -----

"Dale Ortman PE"  
<daleortmanpe@live.com>

To ""Debby Kriegel"" <dkriegel@fs.fed.us>, ""Salek Shafiqullah"" <sshafiqullah@fs.fed.us>, <mbidwell@swca.com>, ""Kathy Arnold"" <karnold@rosemontcopper.com>, <fsamorano@rosemontcopper.com>, ""Krizek, David"" <David.Krizek@tetrattech.com>

06/27/2010 07:02 PM

cc ""Beverley A Everson"" <beverson@fs.fed.us>, <tfurgason@swca.com>, ""Jonathan Rigg"" <jrigg@swca.com>, ""Melissa Reichard"" <mreichard@swca.com>

Subjec Barrel-Only Landform  
t

All,

Attached is the latest landform topography developed by Rosemont for the Barrel-Only landform alternative. This landform has been developed through the joint efforts of the CNF, SWCA, Rosemont, and TetraTech and incorporates the following elements:

- Extension of the Upper Barrel drainage within the landform
- Multiple ridge landforms with differing elevations
- Potential for variable slopes on eastern flanks of the landform
- Potential for reduction in number of drainage control benches on eastern flank of landform
- Improved stormwater discharge control utilizing the extension of the Upper Barrel drainage
- Maintain overall 3:1 slopes with drainage benches on west side of landform to provide required storage capacity and maintain tailings placement operations

- Maintain waste rock perimeter buttress surrounding tailings
- Maintain encapsulation of the heap leach facility

The team has done an excellent job in the collaborative effort to develop this landform concept. I believe we have reached a point in the process where the landform concept should be turned over to Rosemont for final engineering development as the Barrel-Only Alternative for consideration in the DEIS. I recommend that, in addition to the general design objectives listed above, Rosemont develop the following during the final engineering:

- Confirm constructability of the landform
- Summarize the concurrent & final reclamation plan
- General layout of rock sub-drains & flow-through drains
- General stormwater control plan, including commitment to the design criteria currently in the Site Water Management Plan Update

In addition, I propose that we not meet on June 30<sup>th</sup> as currently scheduled but the team review the attached landform and provide any additional design objectives for Rosemont to include in the final engineering. Please get back to me ASAP with comments and any design objectives you believe should be included in the final design.

If you have any questions please email me or try the Utah phone listed below.

Regards,

Dale

---

Dale Ortman PE PLLC  
Consulting Engineer

(520) 896-2404 - Arizona Office  
(520) 449-7307 - Mobile  
(435) 682-2777 - Utah Office

[daleortmanpe@live.com](mailto:daleortmanpe@live.com)

PO Box 1233  
Oracle, AZ 85623

[attachment "Prelim Barrel\_Proposed Survey Area.pdf" deleted by George McKay/R3/USDAFS]



"Marcie Bidwell"  
<mbidwell@swca.com>  
01/26/2010 03:17 PM

To "Kathy Arnold" <karnold@rosemontcopper.com>, "Debby Kriegel" <dkriegel@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>, "Keepers, Ashley"

cc

bcc

Subject Combined KOP list and Reference map

Hello All,

Please find attached the list of KOPs, in a table format that shows the previous naming convention from each list/set of KOPs (USFS, Tetra Tech) and the new naming convention. Please note that the two digit format was chosen to differentiate these KOPs from the way that either list used in the past (to keep a clue in the name as to which list the KOP will be).

This table has been updated to correctly list the original names; please replace the earlier file.

Also, I am attaching a map of the combined KOPs to serve as the master list.

In the next email, I will include the actual shapefiles for the GPS points.

Thank you,  
Marcie

**From:** Trent Reeder  
**Sent:** Tuesday, January 26, 2010 2:27 PM  
**To:** Marcie Bidwell  
**Subject:** KOP PL map

What do you think?[attachment "11204\_KOPs\_PL.pdf" deleted by Debby Kriegel/R3/USDAFS]  
[attachment "KOP Combined List\_2010-01-25.xls" deleted by Debby Kriegel/R3/USDAFS]

Debby Kriegel /R3/USDAFS  
05/27/2009 12:18 PM

To "Marcie Bidwell" <mbidwell@swca.com>  
cc Debby Kriegel/R3/USDAFS@FSNOTES  
bcc  
Subject June 4th Meeting with Rosemont's reclamation team (Tetra Tech and Sage)

Marcie,

Bev just stopped by to tell me that the meeting is on. You weren't planning to be town next week, right? Hopefully immediately after the meeting I'll have a chance to let you know how things went, but if the meeting goes until noon I'll be rushing to the airport (and will be out until June 15). Did you have any specific issues or questions for me to bring up? I'm assuming that they'll show us what they're working on and I'll give them some feedback.

Some of my concerns/questions will be:

1. Whether Sage's watercolor picture of the reshaped piles is feasible and has had a full reality check by Rosemont
2. What Tetra Tech thinks is technically feasible in terms of recontouring, land sculpting, etc.
3. How they are using the data we gave them (KOPs, CLs, etc.) - by the way, did you get them evaluation criteria and affected environment stuff??
4. The style of their simulations (so theirs and SWCA's can be compatible) ←

Debby

show to Marcie?!

"Marcie Bidwell" <mbidwell@swca.com>



"Marcie Bidwell"  
<mbidwell@swca.com>  
05/26/2009 02:31 PM

To "Debby Kriegel"  
cc  
Subject June 4th?

June 4 Mtg

Have you heard anything about that meeting happening?  
Marcie

Marcie Demmy Bidwell  
Environmental Planner  
515 East College Avenue  
Durango, Colorado 81301  
Office: 970.385.8566  
Fax: 970.385.1938  
[www.swca.com](http://www.swca.com)

- ① Go thru Action Items
- ② Get 2' contour topo from TT
- ③ Discuss sim format in EW (11x17 foldouts?)
- ④ Review thoughts on this page (5/27)
- ⑤ Eval Crit, etc. from Marcie
- ⑥

Debby Kriegel /R3/USDAFS  
05/07/2009 02:27 PM

To jlyndes@sagelandscape.com, kavid.krizek@tetrattech.com,  
Beverley A Everson/R3/USDAFS@FSNOTES,  
tfurgason@swca.com, mbidwell@swca.com, Salek  
cc Debby Kriegel/R3/USDAFS@FSNOTES

bcc

Subject Rosemont - Action Items from May 7 meeting

History: This message has been forwarded.

Action items from the flipchart at today's meeting:

1. Meeting in 3 weeks (tentative date = morning of June 4th)
  - Progress meeting
  - Sage & Tetra Tech to provide modified proposed action: stormwater, reclamation plan, and visual work
  - USFS will provide Feedback
  - Sage will provide examples of other simulation projects
2. SWCA will provide Tetra Tech and Sage with (1) KOP GPS points ASAP, and (2) Evaluation Criteria and Affected Environment in 3 weeks
3. Tetra Tech will provide the USFS (Salek) and SWCA with new survey topo (2' contours) and oblique aerial photos by May 15
4. USFS will provide Tetra Tech and Sage with Concern Level 1 & 2 travelways by May 15
5. USFS will provide desired condition for project area by May 15

Thanks everyone!

Tom: Please forward this to Dale...I don't have his email address.

Debby Kriegel, RLA  
Landscape Architect  
Coronado National Forest  
300 W. Congress  
Tucson, AZ 85701  
(520) 388-8427  
Fax (520) 388-8305  
[www.fs.fed.us/r3/coronado/](http://www.fs.fed.us/r3/coronado/)  
[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)



"Marcie Bidwell"  
 <mbidwell@swca.com>  
 07/14/2009 07:28 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
 cc  
 bcc

Subject Table of Eye Ball Miles

History: This message has been replied to.

**Table 5. Anticipated Visual Impacts for Project Segment and Components.**

**Segment VRM Class Contrast Rating Miles in view Minutes in View ADT<sup>1</sup> Est. Traveler Visual Effects**

**(minutes X ADT) Impact Determination<sup>2</sup>**

|                                     |                 |                   |      |          |         |         |                            |           |
|-------------------------------------|-----------------|-------------------|------|----------|---------|---------|----------------------------|-----------|
| 1                                   | II and III      | Weak              | 4.4  | 5.3      | 1,430   | 7,579   | Low Impact                 |           |
| 1A                                  | II and III      | Weak              | 7.0  | 8.4      | 1,430   | 12,012  | Low Impact                 |           |
| 2                                   | II and III      | Weak - Strong     | 2.0  | 4.0      | unknown | unknown | Moderate Impact            |           |
| 2A                                  | II, III, and IV | Weak - Strong     | 4.7  | 9.4      | unknown | unknown | Moderate Impact            |           |
| Paradise Substation and Alternative |                 |                   | III  | Moderate | N/A     | N/A     | unknown unknown Low Impact |           |
| 3                                   | II              | Weak - Moderate   | 5.3  | 7.1      | unknown | unknown | Moderate Impact            |           |
| 4                                   | II              | Moderate - Strong | 1.0  | 1.2      | 1,620   | 1,944   | Strong Impact              |           |
| 4A                                  | II              | Weak - Moderate   | 1.0  | 1.2      | 1,620   | 1,944   | Moderate Impact            |           |
| 5                                   | II and III      | Weak - Moderate   | 6.8  | 8.2      | 2,230   | 18,286  | Moderate Impact            |           |
| 6                                   | III and IV      | Weak              | 1.0  | 0.9      | 2,280   | 2,052   | Low Impact                 |           |
| 6A                                  | III             | Weak - Strong     | 13.6 | 13.7     | 2,280   | 31,236  | Strong Impact              |           |
| Jonah Substation                    |                 |                   | IV   | Weak     | 0       | 0       | 0                          | No Impact |

<sup>1</sup> Average Daily Traffic; <sup>2</sup> determined based on Contrast Rating, Visual Effects, and VRM class objectives

Marcie Demmy Bidwell  
 Environmental Planner  
 130 Rock Point Drive, Suite A  
 Durango, Colorado 81301  
 Office: 970.385.8566  
 Fax: 970.385.1938  
[www.swca.com](http://www.swca.com)



"Marcie Bidwell"  
<mbidwell@swca.com>  
04/23/2009 06:35 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
bcc  
Subject RE: Letter to RCC

History:  This message has been replied to.

Debby,

here ya go~ add or change if you wish  
Marcie

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Wed 4/22/2009 12:19 PM  
**To:** Marcie Bidwell  
**Subject:** Re: Letter to RCC

Rough assumptions:

1. I don't need animations, but do need a model that a viewer can move around in to determine KOPs, etc.
2. Up to 20 KOPs?!
3. There will likely be 3-5 alternatives (one of which I am optimistic that your work will lead to)

I don't need to see the costs, but undoubtedly Rosemont will want this info. I recommend you include at least 15% contingency for every work item.

Does this help?

"Marcie Bidwell" <mbidwell@swca.com>

04/22/2009 09:12 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
Subject Letter to RCC

Debby,

I know we had talked trying to prepare a budget to accompany this letter, and I am having a hard time doing so, just because of the range of effort that could go under the visual simulations- do you want animation or photos, how many KOPs, how many alternatives.

I can still set up the format like we discussed, but was curious if you were anticipating dollar amounts?

That would be hard to estimate at this moment with any feeling of clarity.

Let me know if you feel strongly,  
Marcie

Marcie Demmy Bidwell  
Environmental Planner  
515 East College Avenue  
Durango, Colorado 81301  
Office: 970.385.8566  
Fax: 970.385.1938

[www.swca.com](http://www.swca.com) [attachment "Visual RCC scope\_estimate- 2009-04-22.xls" deleted by Debby Kriegel/R3/USDAFS]



"David Harris"  
<dharris@swca.com>  
08/13/2010 10:52 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Marcie Bidwell"  
<mbidwell@swca.com>  
cc  
bcc  
Subject RE: Rosemont working outline

Thanks for the comments Debby. I will remove SA from the analysis calculations. As I move through the analysis I will ensure that there's consistency in format, and minimal repetition.

David Harris  
SWCA Environmental Consultants  
801-322-4307 (Office)  
801-230-8359 (Cell)

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Friday, August 13, 2010 11:38 AM  
**To:** David Harris; Marcie Bidwell  
**Subject:** Re: Rosemont working outline

This is looking better! Here are my comments. Thanks!

"David Harris" <dharris@swca.com>

08/12/2010 01:51 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc "Marcie Bidwell" <mbidwell@swca.com>  
Subject Rosemont working outline

Debby,

Here's a revised, functional, working outline that we devised late last week, based on your conference call and comments. The outline is overdue, I realize; however, I've made substantial progress is doing the environmental consequences section writeup. Most of the introductory and explanatory parts of the consequences section have been written. Marcie and I are now working through the analysis subsections. As you will see in the outline, the approach that we think would satisfy the complexity of the analysis and also make sense of it is to apply a combination quantitative-qualitative approach, using GIS calculations of as-seen and project footprint acres and miles of potential impacts with landscape contrast analysis. I will have all of the simulations by tomorrow and we are working on getting the GIS calculations by early next week.

David Harris  
SWCA Environmental Consultants

801-322-4307 (Office)

801-230-8359 (Cell)

[attachment "Rosemont EC Outline 8-12-10.docx" deleted by Debby Kriegel/R3/USDAFS]

Debby Kriegel/R3/USDAFS  
01/07/2010 10:03 AM

To tfurgason@swca.com  
cc Beverley A Everson/R3/USDAFS@FSNOTES, Melinda D  
Roth/R3/USDAFS@FSNOTES, Debby  
Kriegel/R3/USDAFS@FSNOTES  
bcc  
Subject Fw: Rosemont - Schedule for Recreation and Visual Quality  
Work

Please send me a copy of Steve's SOW. I'd like one for Marcie's work too. I currently have no idea of what they intend to get done before the upcoming deadlines for draft EIS.

Thanks.

----- Forwarded by Debby Kriegel/R3/USDAFS on 01/07/2010 10:00 AM -----



"Stephen Leslie"  
<sleslie@swca.com>  
12/18/2009 12:54 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc "Tom Furgason" <tfurgason@swca.com>  
Subject RE: Rosemont - Schedule for Recreation Work

Debby

I've left you two voice messages regarding the recreation SOW. I've already submitted a SOW to Tom based on your requested list of tasks.

Steve

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Friday, December 18, 2009 11:52 AM  
**To:** Stephen Leslie  
**Cc:** Tom Furgason; Debby Kriegel  
**Subject:** Rosemont - Schedule for Recreation Work

Steve,

I haven't heard from you since I submitted my comments on your draft Affected Environment chapter on November 5. When will you provide a revised draft?

Please put together a proposed schedule for completing recreation work, and submit it to me by January 4th. Attached is a list of tasks; you'll need to assign a date to each task. Most should look very familiar to you, and hopefully some you've already done. As you know, there is a January 15 DEIS internal review and the DEIS goes to the printer on March 15. There is a lot of recreation work to do.

I'm also attaching the formal comments from the Arizona Trail Association.

If you are having problems making progress on this project, please let me and Tom know immediately.

Thanks.

~~~~~  
Debby Kriegel, RLA
Landscape Architect
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8427
Fax (520) 388-8305
www.fs.fed.us/r3/coronado/
dkriegel@fs.fed.us



"Marcie Bidwell"
<mbidwell@swca.com>
07/19/2010 10:46 AM

To "Melissa Reichard" <mreichard@swca.com>, "Terry Chute"
<tjchute@msn.com>, "Beverley A Everson"
<beverson@fs.fed.us>, "Tom Furgason"

cc

bcc

Subject RE: Friday's meeting notes with deadlines

Hello All,

I am sending updated meeting notes from Friday's Data Transfer Meeting with Tetra Tech and SWCA. The only update is that I included the table from Tetra Tech with handwritten updates as to what layers are still outstanding, who is responsible, and when they will be provided.

Thanks!
Marcie

From: Melissa Reichard
Sent: Monday, July 19, 2010 11:19 AM
To: Terry Chute; Beverley A Everson; Tom Furgason; Debby Kriegel; Marcie Bidwell
Subject: Friday's meeting notes with deadlines

All-
Here are the meeting notes from Friday that include all the new deadlines for visual resources.

Thanks!

Melissa Reichard
Project Administrator
SWCA Environmental Consultants
(520)325-9194 ofc. (520)250-6204 cell

CONFIDENTIALITY NOTICE: The information in this email is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential and/or exempt from disclosure under applicable law. If you are not the intended recipient or an authorized representative of the intended recipient, you are hereby notified that any review, dissemination or copying of this email and its attachments, if any, or the information contained herein is prohibited. If you have received this email in error, please immediately notify the sender by return email and delete this email from your system. Thank you.

[attachment "Tt USFS Reclamation Mtg_2010-07-16.pdf" deleted by Debby Kriegel/R3/USDAFS]

Terry Austin

02/26/2010

07:47:11 AM



"Marcie Bidwell"
<mbidwell@swca.com>
02/24/2010 12:06 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Terry L Austin"
<tlaustin@fs.fed.us>, "Walter Keyes" <wkeyes@fs.fed.us>
cc
bcc
Subject RE: Rosemont Roads and Trails

Debby,

Can you tell me if the CLs have changed since the version that you sent dated September 15th, 2009?

Additionaly, I recommend that these be forwarded to EPG for their analysis process, as CLs are central to their work as well.

Thanks,
Marcie

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Monday, February 22, 2010 2:54 PM
To: Terry L Austin; Marcie Bidwell; Walter Keyes
Cc: Debby Kriegel
Subject: Rosemont Roads and Trails

Attached is the latest map of concern levels for travelways in and around the Santa Ritas.

Terry: Would you please send this shapefile to Marcie?
J:\fsfiles\office\gisprojects\sup_off\dkriegel\rosemont\concllev\SantaRitaConcernLevels2010.shp

Marcie: Please be sure you're using this version for SMS analysis.

Walt: This map shows the relative scenery/rec importance of roads and trails in the Santa Ritas. Will you be working on recommendations for reconnecting some of the roads around the project area? Rosemont proposed doing this in the MPO (see section 3-5 and figure 3-7), but the actual locations they show on their maps really don't connect much (Kathy says these maps are conceptual). Each alternative will need some new road segments, and we might also want a post-mine road map of some sort. Let's talk about this when you have a few minutes.

Thanks.



"Melissa Reichard"
<mreichard@swca.com>
06/02/2010 04:06 PM

To <dkriegel@fs.fed.us>
cc
bcc

Subject Sorry for the delayed response

History:

✉ This message has been replied to.

Debby-

I got your message and the info you have been sending me to put in the record are great! Thanks for working on it!! Lara was out yesterday, so I just found out about the SDCP GIS layers. We actually don't have any layers for the SDCP at all. If you get some from Pima County and want to send them our way, that would be great.

I hope that helps.

Melissa Reichard

Project Administrator
SWCA Environmental Consultants
(520)325-9194 ofc. (520)250-6204 cell

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"Marcie Bidwell"
<mbidwell@swca.com>
04/16/2010 08:48 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc
bcc
Subject Data Gaps Request

Hello Debby,

No word yet from Tom on the scope questions that I forwarded.

Here is the revised document for the Data Gaps. Please feel free to edit as you need to. I am out the rest of the day. Have a good weekend

Cheers,
Marcie

<<Rosemont_Data_Gaps_040810-04-13.docx>>

Marcie Demmy Bidwell

Environmental Planner

130 Rock Point Drive, Suite A

Durango, Colorado 81301

Office: 970.385.8566

Fax: 970.385.1938

www.swca.com [attachment "Rosemont_Data_Gaps_040810-04-13.docx" deleted by Debby Kriegel/R3/USDAFS]



sleslie@swca.com

07/02/2010 06:55 AM

Please respond to
sleslie@swca.com

To "Debby Kriegel" <dkriegel@fs.fed.us>

cc

bcc

Subject Re: Recreation Affected Environment

History:

✉ This message has been replied to.

Absolutely. I'll get the maps inserted when I get back next week so you'll have them when you get back. Enjoy your time off. Steve

Sent via BlackBerry by AT&T

From: Debby Kriegel <dkriegel@fs.fed.us>
Date: Fri, 2 Jul 2010 07:50:36 -0600
To: Stephen Leslie <sleslie@swca.com>
Subject: Re: Recreation Affected Environment

Steve,

Thanks for working on this. I would like to see the maps included before I review it again. I'm in on Tuesday, but then I'll be out of the office until July 13 (first time I've taken more than a day off this year!!). Can you provide a version with maps by the 13th?

Hope you have a happy 4th of July weekend!

~~~~~  
Debby Kriegel, RLA  
Landscape Architect  
Coronado National Forest  
300 W. Congress  
Tucson, AZ 85701  
(520) 388-8427  
Fax (520) 388-8305  
[www.fs.fed.us/r3/coronado/](http://www.fs.fed.us/r3/coronado/)  
dkriegel@fs.fed.us

"Stephen Leslie" <sleslie@swca.com>

07/01/2010 04:29 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>

cc "Jonathan Rigg" <jrigg@swca.com>, "Tom Furgason" <tfurgason@swca.com>  
Subject Recreation Affected Environment

Debby -

I have incorporated all of your changes and updated information to address your additional comments and requests from your email last week.

The maps are done, just haven't inserted them into the text. I'll be out of the office tomorrow, but can answer any additional questions next week.

Thanks,  
Steve

# VISUAL ANALYSIS COORDINATION MEETING

January 29, 2010  
Coronado National Forest  
Tucson, Arizona

**Attendees:** Debby Kriegel, *USFS Landscape Architect*  
Kathy Arnold, *Rosemont Copper Company*  
David Krizek, *Tetra Tech*  
Joel Carrasco, *Tetra Tech*  
Tom Furguson, *SWCA Environmental Consultants*  
Marcie Bidwell, *SWCA Environmental Consultants*

## DISCUSSION

### Topic

#### Tetra Tech Scope

- Viewshed Analysis- complete viewshed analysis for 6 KOPs within middleground distance
- Simulations of Phased Tailings Alternative with Vegetation- two growths (mature and immature vegetation)
- Simulations/Illustrations as Aerial/Oblique views (2 orientations) for Phased Tailings Alternative showing "opportunity" and reclamation plans
- Engineering of conceptual massing for other alternatives

#### SWCA Scope of Work

- Seen Area Analysis – extent of visibility for each alternative
- Simulations (3 KOPs)- 10YR and 20YR
- Land Form Diagrams- (5 KOPs)- 20 YR
- Line of Sight/Section Diagrams for Not Visible KOPs- will vary by alternative
- Visual Specialist Report & EIS

#### Coordination of Data

- KOPs- combined selection to include 8 selected KOPs (see table attached)
  - Tetra Tech to recompute the viewshed analysis for 6 KOPs, and submit as Multiple KOP diagrams to USFS for use in the visual analysis by SWCA.
- Alternatives Contours (3D)- 10 Yr and 20 Yr for KOP 1, 2, and 3 (44MM, 46MM, and Arizona Trail)
- Facilities 3D- Mine operations, transmission, access roads- 5-10 days
- Reclamation grading- facilities footprint- to follow 1-2 weeks
- Reclamation standards for simulations-
  - Soil colors to be simulated from the arkos and helia conglomerate used in the revegetation test plots.
  - Tetra Tech to develop "typical" standards for waste rock and tailings to be applied to all alternatives.
  - SWCA to use 100 ft benches and approximate water courses for typical shaping.
  - SWCA to use typical standards and hillshade to adapt vegetation to south and north slopes.

- o SWCA to use examples photography from site photography submitted by Rosemont (Rosemont test plots, Narragansett, San Manuel, and others) and SWCA field photography to show examples of vegetation

#### KOP COMBINED LIST- EAST ALTERNATIVES

| KOP NAME FINAL | Location                                   | USFS KOP Name   | TT KOP Name    |
|----------------|--------------------------------------------|-----------------|----------------|
| KOP 01         | MM 46- Picnic Table Pull Off               | KOP 4           | Replaces KOP-1 |
| KOP 02         | MM 44- Scenic Pull Off                     | KOP 12          | Replaces KOP-3 |
| KOP 03         | Arizona Trail                              | KOP 5           | Replaces KOP-4 |
| KOP 04         | Mount Wrightson- Four Spring Trail         | Replaces KOP 17 | KOP-11         |
| KOP 05         | North of Sonoita Junction                  | KOP 8           | KOP-12         |
| KOP 06         | Las Cienegas BLM Kiosk/ Empire Ranch Entry | KOP 11          | (new)          |
| KOP 07         | Hilton Ranch Road rural residential area   | KOP 16          | (new)          |
| KOP 08         | Box Canyon Road/ Arizona Trail Crossing    | (new)           | KOP-7          |

#### KOPS- WEST ALTERNATIVES OPTIONS

| KOP NAME FINAL | Location                                  | Sensitive Viewers          | USFS KOP Name | TT KOP Name |
|----------------|-------------------------------------------|----------------------------|---------------|-------------|
| KOP 9          | Sahuarita Road                            | Local, Residences          | KOP 20        |             |
| KOP 10         | Madera Canyon                             | Recreation                 | KOP 1         |             |
| KOP 11         | Duval Mine Road Over Pass- US 19          | Local, Residences, Tourism | KOP 2         |             |
| KOP 12         | Corona del Tucson                         | Rural Residential          | KOP 3         |             |
| KOP 17         | San Xavier- southern Tucson, tribal lands | Tribal, residential        |               |             |
| KOP            | Tucson (options)                          | Residential/industrial     |               |             |
| KOP            |                                           |                            |               |             |
| KOP            |                                           |                            |               |             |

#### Next Steps

- Tetra Tech to post Alternative Data with Z-values on their FTP site.
- SWCA is to inform the USFS and RCC when we use information provided by Tetra Tech so that Rosemont may submit information to the Admin Record officially.
- Tetra Tech will compute Viewshed Analysis for the 6 KOPs within the middleground and submit maps (1) per alternative and send shape file data to the USFS for inclusion in the EIS specialist report.
- SWCA will refine simulations to show:
  1. revegation as phased over 1- 10 years, following the MPO plan and estimating other alternatives. Show stronger growth of trees on bench tops and north facing slopes.
  2. soils colors to be similar to arkos and helia conglomerate
  3. rock colors as Tetra Tech color diagram will show
  4. benches- 50 ft benches in pit, and piles with 100ft benches with 100ft rises in between or as shown on CAD layers for alternatives.
  5. Transmission alignments to follow over Santa Ritas and directly to site as in Barrel Only alignment.
  6. Follow Tetra Tech "typical" treatments for stormwater and revegetation on other alternatives.

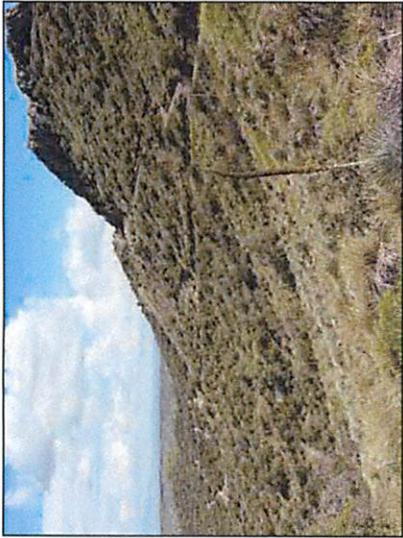
## Immediate Action Items

| Owner                        | Action Item- <b>BOLD</b> indicates updates or <b>NEW</b> actions                                                                                                                                                    | Deadline |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| David Krizek                 | 1. Tetra Tech will post color diagram and pit run colors on the Tetra Tech FTP site.                                                                                                                                |          |
| Rosemont<br>Kathy Arnold     | 2. Call Holly and let her know that SWCA would like to know the veg-shrub-tree mix for the EIS analysis.                                                                                                            |          |
| Rosemont<br>Jaime/Jeff/Holly | 3. Submit (or request that Holly submit) photographic vegetation record of revegetation observations on the site.                                                                                                   |          |
| Rosemont<br>Kathy Arnold     | 4. Submit upcoming agave report and updated seed mix for inclusion in the EIS.                                                                                                                                      |          |
| SWCA/Marcie Bidwell          | 5. Request mining photography from USFS (Bev) and SWCA (Tom, Dale) from the mine tours regarding vegetation and other research photography for use in simulations.                                                  |          |
| Tetra Tech/ David<br>Krizek  | 6. Tetra Tech to supply SWCA with "typical" benching and stormwater design standards for SWCA to include on alternatives without designed features for (1) tailings and (2) waste rock to guide SWCA's simulations. |          |
| Tetra Tech/ David<br>Krizek  | 7. Tetra Tech to complete the "reclamation element table" for SWCA (attached) to guide assumptions within the simulations for the Specialist Report and EIS.                                                        |          |
| SWCA/Marcie Bidwell          | 8. Communicate back to Rosemont (Kathy Arnold) what pieces Tetra Tech has provided as data to make sure these pieces are officially submitted to the record.                                                        |          |
| Tetra Tech/David Krizek      | 9. Compute Viewshed Analysis for 6 KOPs within the middle ground (KOP 1, 2, 3, 6, 7, 8) and submit one map with combined results to USFS.                                                                           |          |
| SWCA/Marcie Bidwell          | 10. Submit minutes from meeting to admin record.                                                                                                                                                                    |          |

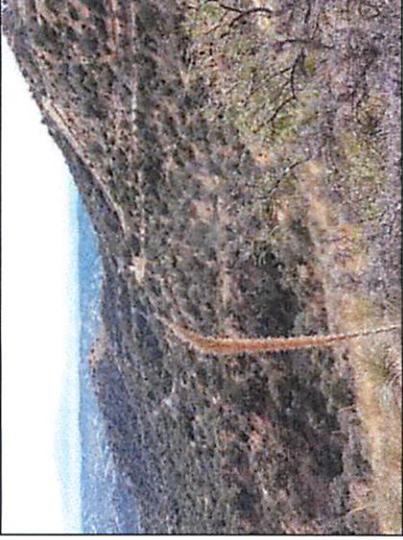
**Reclamation Element**

| <b>Time</b> | <b>Slopes- Degree &amp; Percent Reclaimed</b> | <b>Soil</b> | <b>Vegetation</b> | <b>Facilities</b> |
|-------------|-----------------------------------------------|-------------|-------------------|-------------------|
| YR 1        |                                               |             |                   |                   |
| YR 2        |                                               |             |                   |                   |
| YR 3        |                                               |             |                   |                   |
| YR 4        |                                               |             |                   |                   |
| YR 5        |                                               |             |                   |                   |
| YR 10       |                                               |             |                   |                   |
| YR 20       |                                               |             |                   |                   |
| YR 50       |                                               |             |                   |                   |

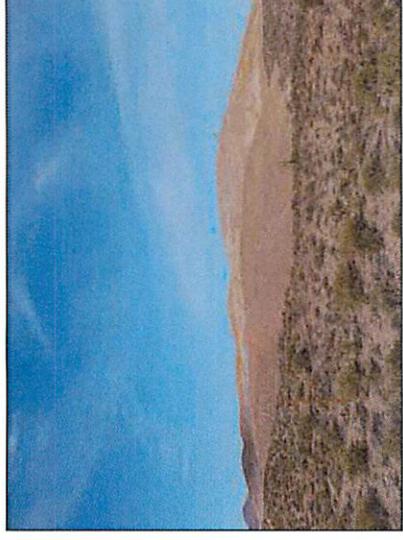
# PHOTOGRAPHIC REFERENCE PHOTOGRAPHY SUBMITTED BY SWCA FOR GUIDING SIMULATIONS



Narragansett, natural seeding (1951) green season

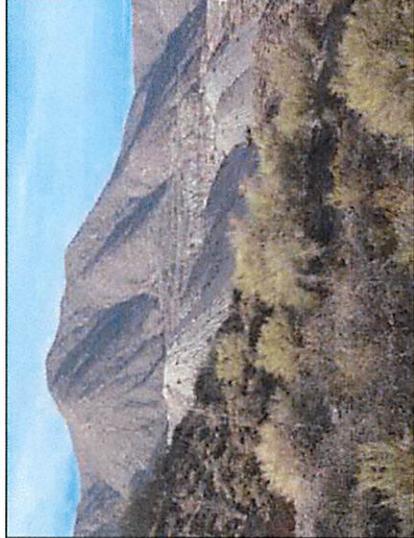


Narragansett, dry season



San Manuel, seeded in foreground (2004)

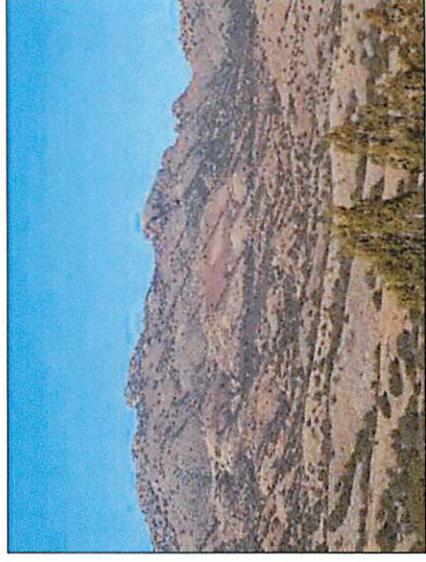
## EXAMPLES OF REVEGETATION- SPECTRUM OF TIME, INTENTION, AND NATURAL SELECTION



Christmas Tree, limestone bench excavations



Rosemont vegetation plots, December 2009



## EXAMPLES OF LIMESTONE AND SOIL EXCAVATIONS

Beverley A Everson /R3/USDAFS  
08/11/2008 01:46 PM

To Reta Laford/R3/USDAFS@FSNOTES, Teresa Ann Ciapusc/R3/USDAFS@FSNOTES,  
John Able/R3/USDAFS@FSNOTES, Andrea W Campbell/R3/USDAFS@FSNOTES,  
Jennifer Ruyler/R3/USDAFS@FSNOTES, Beverley A  
Everson/R3/USDAFS@FSNOTES, Walter Keyes/R3/USDAFS@FSNOTES, Salek  
Shafiqullah/R3/USDAFS@FSNOTES, Debby Krieger/R3/USDAFS@FSNOTES, Keith  
L Graves/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES,  
Tami Emmett/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES,  
Robert Lefevre/R3/USDAFS@FSNOTES, Shane Lyman/R3/USDAFS@FSNOTES, Eli  
Curiel/R3/USDAFS@FSNOTES, Christopher C LeBlanc/R3/USDAFS@FSNOTES,  
William B Gillespie/R3/USDAFS@FSNOTES, Mary M  
Farrell/R3/USDAFS@FSNOTES, Alan Belauskas/R3/USDAFS@FSNOTES, Kendall  
Brown/R3/USDAFS@FSNOTES, Thomas Skinner/R3/USDAFS@FSNOTES, Larry  
Jones/R3/USDAFS@FSNOTES, Kendra L Bourgart/WO/USDAFS@FSNOTES, Janet  
Jones/R3/USDAFS@FSNOTES, Roxane M Raley/R3/USDAFS@FSNOTES, Heidi  
Schewel/R3/USDAFS@FSNOTES, tfurgason@swca.com, mreichard@swca

cc

bcc

Subject tour date mix-up! SILVER BELL OPERATION THIS WEEK, San Manuel next week -  
meet at 8:30 this Wednesday

Hi Everyone,

I mistakenly told some of you on the bus last week that this week's tour was to San Manuel to see reclamation there. I was off by a week; this week's tour is to the Silver Bell Mine operation, and next week is San Manuel. We will be departing by bus for the mine from the front of the Federal Building this Wednesday morning at 8:30.

Silver Bell is a copper operation (in spite of its name), and is an example of a leaching operation similar to what will be occurring at the Carlotta operation once they are up and running (for those of you that attended that field trip). At Silver Bell, they use a weak solution of hydrochloric acid to dissolve copper ions from the ore and electricity to extract the copper from solution and on to inert anodes (plates of unrefined impure metal). The then copper-coated plates are called cathodes.

FYI, the copper-laden solution is called pregnant leach solution or PLS. The plating occurs in an SXEW (solution extraction/electrowinning) plant. For those of you that were on the Rosemont field trip the electrowinning process is analogous to the nail that was dipped into the drop of hydrochloric acid the company geologist had put on a piece of ore, causing the nail to be coated with copper.

Can anyone tell me what type of ore lends itself to this type of processing?? What is the other type of ore, and how is it processed?

Here's a tougher question; how do each of the ore types form? Also, would the proposed Rosemont operation be doing both types of ore processing throughout the life of the operation? Why or why not?

Bev

Debby Kriegel/R3/USDAFS  
03/19/2009 12:44 PM

To "Marcie Bidwell" <mbidwell@swca.com>  
cc Debby Kriegel/R3/USDAFS@FSNOTES  
bcc  
Subject Rosemont design exploration - possible process 

This might work for step 3

1. 3a and 3b: no change, do first
2. 1/2 day virtual (teleconference or similar) strategy meeting with LAs, wildlife, hydrologists (and maybe mining specialists) to
  - Show results of 3a and 3b
  - Brainstorm current resource values and landscape patterns
  - Identify opportunities (e.g., more natural landforms, save some drainageway habitat, catch runoff, avoid archy sites, warping/ledges) and constraints (bigger footprint, operational costs, max slopes) for resources
  - Demonstrate some concepts with simple clay model
3. LAs go to computer specialist to create one possible option
4. Another 1/2 day virtual meeting with all to show results and discuss options
5. LAs go back to computer specialist to create other options as needed
6. Select tentative key viewpoints...

Debby Kriegel/R3/USDAFS  
07/22/2010 01:43 PM

To "Trent Reeder" <treeder@swca.com>  
cc "Beverley A Everson" <beverson@fs.fed.us>, "Krizek, David" <David.Krizek@tetrattech.com>, "Katherine Arnold" <karnold@rosemontcopper.com>, "Marcie Bidwell"  
bcc  
Subject Re: Scholefield Conveyor 3D 

Trent,

Why does the perimeter road appear to zigzag all across the south foothills? I thought that the perimeter road was always around the toe of the tailings and waste rock piles. Please get Rosemont to confirm the location.

Also, get confirmation from Rosemont and Tetra Tech on the distance between conveyor and power line.

And I'm pretty sure that the conveyor has a road on each side of it.

Otherwise looks good to me!

~~~~~  
Debby Kriegel, RLA
Landscape Architect
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8427
Fax (520) 388-8305
www.fs.fed.us/r3/coronado/
dkriegel@fs.fed.us

"Trent Reeder" <treeder@swca.com>



"Trent Reeder"
<treeder@swca.com>
07/22/2010 10:57 AM

To "Krizek, David" <David.Krizek@tetrattech.com>, "Katherine Arnold" <karnold@rosemontcopper.com>, "Tom Furgason" <tfurgason@swca.com>, "Beverley A Everson" <beverson@fs.fed.us>, "Debby Kriegel" <dkriegel@fs.fed.us>, "Marcie Bidwell" <mbidwell@swca.com>
cc
Subject Scholefield Conveyor 3D

Hello,

I've attached a composite 3D scene from KOP 2 depicting a model of the conveyor system. You will have to zoom in to see some detail, but because of the large landscape the features start to lose detail due to their size compared to the whole scene. Below are notes about the scene:

- Scene is from KOP 2 , but I turned the camera to show the conveyor system. Basically

sweeping from west (left) to northwest (right)

- Conveyor "tube" is 6 ft. diameter.
- Conveyor pillars are 21 ft. tall and 10 ft. wide with the conveyor tube on top. (From the conveyor specs sheet from M3, the pillars range from 16-26ft tall)
- Conveyor pillars are spaced 60ft' apart. (also from the conveyor spec sheet which depicted only a couple of pillars)
- Conveyor Transmission route was offset the conveyor route by 30ft in between the conveyor line and perimeter road edge. (This was my idea)
- Transmission poles are 50 ft. tall and spaced 400 ft. apart.
- Transmission poles represent a wooden monopole.
- Perimeter road is in orange depicted 12 ft. wide (used the width from Phased Tailings perimeter road)
- The Scholefield perimeter road center line follows the same conveyor alignment, but was offset the conveyor alignment by 162 ft.

Please let me know if you have any questions. Thanks

Trent Reeder
GIS Specialist
SWCA Environmental Consultants
treeder@swca.com
130 Rock Point Dr. Suite A
Durango, Colorado 81303
Work (970) 385-8566
Fax (970) 385-1938
www.swca.com

[attachment "Scholefield_Conveyor_3D.JPG" deleted by Debby Kriegel/R3/USDAFS]



"Marcie Bidwell"
<mbidwell@swca.com>
05/19/2010 03:56 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc "Stephen Leslie" <sleslie@swca.com>
bcc
Subject Pit Draft

Hello Debby,

Please find the draft of the pit diagram for you to review. Its an initial draft, and a better one will be coming by the end of the week.

Marcie

From: Chris Loftus [mailto:chris@loftuslandscapestudio.com]
Sent: Monday, May 03, 2010 11:39 AM
To: Marcie Bidwell
Subject: Pit Draft

Hi Marcie.

Attached is a low-resolution draft of the pit colors. I'm still adding bench failures, some vegetation, and shadows, but you can address the colors from this draft. Are the hues/tones subtle enough? Too subtle? Overall brightness/contrast okay? I used the tones from the GIS key for the Quartz and Epitaph sections because I don't have examples.

Let me know your thoughts...

Thanks,

Chris Loftus, RLA, ASLA
Loftus Landscape Studio
landscape architecture | sustainable site strategies
970.903.2930 | www.loftuslandscapestudio.com
[attachment "KOP2-Pit-Colors.jpg" deleted by Debby Kriegel/R3/USDAFS]



"Marcie Bidwell"
<mbidwell@swca.com>
11/02/2009 04:06 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc
bcc

Subject Visual Proposal

History:

 This message has been replied to.

<<Visual_Resource_Proposal_2009-17-15 Update.pdf>> <<Visual_Resource_Proposal_2009-17-15 Update.xls>>

Marcie Demmy Bidwell
Environmental Planner
130 Rock Point Drive, Suite A
Durango, Colorado 81301
Office: 970.385.8566
Fax: 970.385.1938



www.swca.com Visual_Resource_Proposal_2009-17-15 Update.pdf Visual_Resource_Proposal_2009-17-15 Update.xls

Rosemont EIS - Visual Funding Update 07/16/2009 on Tasks Remaining unfunded from 4/16/2009 DRAFT Strategy for Visual Resource Analysis									
<i>Note: This document summarizes update on funding for unfunded tasks, responsibilities, and schedule requested by USFS as of 4/16/2009.</i>									
<i>Italics = Alternatives Analysis funded; BOLD = Simulations Request (07/16/2009 for MPO only; Regular Font = Not funded 4/16 and no additional request to date.</i>									
Task	Description of Work	SWCA responsibilities	USFS responsibilities	Proposed Completion Date	Associated EIS Timeline Step & Date	Status	Within Current Visuals Contract	Notes	
1g	Conduct site visits of other mine sites to glean best management practices for project proposal	Visit mining sites; arrange tours for USFS, SWCA and others	Attend site visits as appropriate	Summer 2009		Not funded as of 4/15/2009	N		
3a	Identify alternate locations to potentially place waste rock and tailings (unseen or seldom seen locations with few wildlife, archaeology, and other resource concerns). Consider using a McHarg-like mapping process.	Provide maps. Site visits as needed.	Provide wildlife and archaeology data as needed and review maps		Alternatives	Alternatives Analysis Funding	N	Consider visual, wildlife, cultural, watersheds, 4 springs, riparian, recreation sites, TES, access, etc.	
3b	Create 3-D computer simulations of existing landscape and proposed mine.	Provide simulations	Review simulation		Alternatives	Simulations MPO Change Order Request	N		
3d	Prepare a presentation for the workshop to show site analysis and existing conditions, topography, and landscape patterns for workshop. Incorporate products from step 3a and 3b.	Prepare presentation	Review presentation		Alternatives	Alternatives Analysis Funding	N		
3e	Facilitate a workshop with USFS landscape architect, other USFS and SWCA staff (wildlife biologists, hydrologists, recreation specialists, transportation specialist, etc.) and remediation and mining experts (potentially RCC) to generate initial ideas to explore that achieve USFS design goals (visual, vegetation, wildlife, habitat, hydrology, recreation setting, transportation). Potential areas to address: best locations for waste rock and tailings piles; shaping of waste rock and tailings piles; treatment of side slopes, etc. ACTION ITEMS: Brainstorm current resource values and landscape patterns; identify opportunities and constraints for resources; and demonstrate some concepts with simple clay model.	Lead and facilitate workshop	Participate in workshop		Alternatives	Alternatives Analysis Funding	N	Possibly utilize a facilitator to direct the workshop and outcomes. Invitees to the workshop would include specialists with interest in constructively critiquing the proposed action and identifying potential design responses. Possibly develop a rough, quick cardboard model of the Existing Topography and/or Proposed Action (consider paying a student). Consider reshaping pile only within Barrel Canyon drainage, but also look for alternatives that would lessen resource impacts. Consider also future roads and trails through the area (including on waste rock piles) after mine is closed.	
3f	Explore and refine concepts identified in workshop for alternative placement and shaping of waste rock and tailings piles that better protects and mimics natural landforms and valued landscape character. Explore radically different shaping to avoid the monolithic form, flat top, and even side slopes. Consider options that may benefit wildlife habitat and other resources and those that might mitigate impacts of the pit (such as removing the most visible western edge). If 3-D computer modeling is not sufficient to complete this step, utilize other methods such as a topographic model.	Lead process and complete work. Provide ideas to IDT during discussion of alternatives.	Review and advise. Participate in 3-D computer modeling sessions.		Alternatives	Alternatives Analysis Funding	N		
3g	Select tentative key viewpoints for simulations. Document these locations with photography and GPS. Prepare "before" images.	Provide draft and final. Site visits as needed.	Review and comment		Alternatives	Simulations MPO Change Order Request	N	Consider results of task 3a.	
3h	Create one or more 3-D computer simulations of potential landscape forms and refined landscape ideas for the proposed mine including waste rock and tailing pile forms.	Provide 3D model and simulations	Review simulation		Alternatives	Simulations MPO Change Order Request	N		
3i	Show results of step 3h to workshop group and get additional feedback.	Host a meeting	Attend meeting		Alternatives	Simulations MPO Change Order Request	N	May need to alter simulation and/or create additional simulations following this step.	
3j	Prepare Photo Real or artist rendered simulation drawings or video simulation driving down scenic byway and/or other key travelways.	Provide 3D Simulations	Review simulation		Alternatives	Simulations MPO Change Order Request	N	RCC may want to consider having a top notch visualization done by a high end company	

Rosemont EIS - Visual Funding Update 07/16/2009 on Tasks Remaining unfunded from 4/16/2009 DRAFT Strategy for Visual Resource Analysis									
Task	Description of Work	SWCA responsibilities	USFS responsibilities	Proposed Completion Date	Associated EIS Timeline Step & Date	Status	Within Current Visuals Contract	Notes	
<p><i>Note: This document summarizes updates on funding for unfunded tasks, responsibilities, and schedule requested by USFS as of 4/16/2009. Italics = Alternatives Analysis funded; BOLD = Simulations Request (07/16/2009 for MPO only, Regular Font = Not funded 4/16/2009 and no additional request to date.</i></p>									
1g	Conduct site visits of other mine sites to glean best management practices for project proposal	Visit mining sites; arrange tours for USFS, SWCA and others	Attend site visits as appropriate	Summer 2009		Not funded as of 4/16/2009	N		
3a	Identify alternate locations to potentially place waste rock and tailings (unseen or seldom seen locations with few wildlife, archaeology, and other resource concerns). Consider using a McHarg-like mapping process.	Provide maps. Site visits as needed.	Provide wildlife and archaeology data as needed and review maps		Alternatives	Alternatives Analysis Funding	N	Consider visual, wildlife, cultural, watersheds, 4 springs, riparian, recreation sites, TES, access, etc.	
3b	Create 3-D computer simulations of existing landscape and proposed mine.	Provide simulations	Review simulation		Alternatives	Simulations MPO Change Order Request	N		
3d	Prepare a presentation for the workshop to show site analysis and existing conditions, topography, and landscape patterns for workshop. Incorporate products from step 3a and 3b.	Prepare presentation	Review presentation		Alternatives	Alternatives Analysis Funding	N		
3e	Facilitate a workshop with USFS landscape architect, other USFS and SWCA staff (wildlife biologists, hydrologists, recreation specialists, transportation specialist, etc), and remediation and mining experts (potentially RCC) to generate initial ideas to explore that achieve USFS design goals (visual, vegetation, wildlife, habitat, hydrology, recreation setting, transportation). Potential areas to address: best locations for waste rock and tailings piles, shaping of waste rock and tailings piles, treatment of side slopes, etc. ACTION ITEMS: Brainstorm current resource values and landscape patterns; identify opportunities and constraints for resources; and demonstrate some concepts with simple clay model.	Lead and facilitate workshop	Participate in workshop		Alternatives	Alternatives Analysis Funding	N	Possibly utilize a facilitator to direct the workshop and outcomes. Invitees to the workshop would include specialists with interest in constructively critiquing the proposed action and identifying potential design responses. Possibly develop a rough, quick cardboard model of the Existing Topography and/or Proposed Action (consider paying a student). Consider reshaping pile only within Barrel Canyon drainage, but also look for alternatives that would lessen resource impacts. Consider also future roads and trails through the area (including on waste rock piles) after mine is closed.	
3f	Explore and refine concepts identified in workshop for alternative placement and shaping of waste rock and tailings piles that better protect and mimics natural landforms and valued landscape character. Explore radically different shaping to avoid the monolithic form, flat top, and even side slopes. Consider options that may benefit wildlife habitat and other resources and those that might mitigate impacts of the pit (such as removing the most visible western edge). If 3-D computer modeling is not sufficient to complete this step, utilize other methods such as a topographic model.	Lead process and complete work. Provide ideas to IDT during discussion of alternatives.	Review and advise. Participate in 3-D computer modeling sessions.		Alternatives	Alternatives Analysis Funding	N		
3g	Select tentative key viewpoints for simulations. Document these locations with photography and GPS. Prepare "before" images.	Provide draft and final. Site visits as needed.	Review and comment		Alternatives	Simulations MPO Change Order Request	N	Consider results of task 3a.	
3h	Create one or more 3-D computer simulations of potential landscape forms and refined landscape ideas for the proposed mine including waste rock and tailing pile forms.	Provide 3D model and simulations	Review simulation		Alternatives	Simulations MPO Change Order Request	N		
3i	Show results of step 3h to workshop group and get additional feedback.	Host a meeting	Attend meeting		Alternatives	Simulations MPO Change Order Request	N	May need to alter simulation and/or create additional simulations following this step.	
3j	Prepare Photo Real or artist rendered simulation drawings or video simulation driving down scenic byway and/or other key travelways.	Provide 3D Simulations	Review simulation		Alternatives	Simulations MPO Change Order Request	N	RCC may want to consider having a top notch visualization done by a high end company	



"Marcie Bidwell"
<mbidwell@swca.com>
08/10/2010 10:40 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "David Harris"
<dharris@swca.com>
cc
bcc

Subject RE: Rosemont Plant and BLM Color Chart

Hello Debby,

Sorry for the responses at all kinds of crazy hours. Working too much lately.

The plant would likely not be seen in the MPO even at YR 10 from KOP 1 & 2; I don't remember seeing KOP 7 (the only other potential); as per direction from you in realization that we will not have YR 10 data, SWCA has not worked on the YR 10 simulations since July 16. However, the facilities should be out of site probably by around YR 7 (which is supposedly when the buttress will be completely filled in, per the MPO).

Thank you for confirming that the MPO color should follow Rosemonts selected color.

Cheers,
Marcie

From: Debby Kriegel [<mailto:dkriegel@fs.fed.us>]
Sent: Tuesday, August 10, 2010 8:28 AM
To: David Harris; Marcie Bidwell
Cc: Debby Kriegel
Subject: Rosemont Plant and BLM Color Chart

David: Thank you for sending the BLM Standard Environmental Colors chart! I had looked at this chart on my computer screen, and also printed it on 2 color laserprinters and 2 plotters. Amazingly, none of these was close to the colors on the actual chart. I agree with you that Carlsbad Canyon would be a good choice for the Rosemont plant. Although I might normally lean toward something darker, it's probably a good balance between blending with landscape colors and not being too dark for buildings with no cooling systems.

Marcie: We're still awaiting photos of the lighter 2 colors from VP buildings, and I'm hoping they'll also send a sample of Patrician/Cool bronze. However, if you can't wait for these answers, I recommend that you proceed with simulations using Carlsbad Canyon for the alternatives (Phased, Barrel Only, and Scholefield). Although Clarissa referred us to VP buildings, Kathy Arnold continues to tell me that we can't specify a specific vendor color. She wants us to specify a ballpark color (or color range) so that multiple vendors can bid on the buildings/siding. I agree with you that the MPO should probably be light stone so it can be compared with mitigation. The plant will be seen in the 10-year MPO simulations, right?

~~~~~  
Debby Kriegel  
Coronado National Forest

(520) 388-8427

No virus found in this incoming message.

Checked by AVG - [www.avg.com](http://www.avg.com)

Version: 8.5.441 / Virus Database: 271.1.1/3059 - Release Date: 08/08/10 17:57:00

Debby Kriegel/R3/USDAFS  
05/10/2010 12:52 PM

To "Marcie Bidwell" <mbidwell@swca.com>  
cc Debby Kriegel/R3/USDAFS@FSNOTES  
bcc  
Subject Re: Visual Scope, reviewed and ready for approval. 

Marcie,

Let's talk sometime soon. I have many comments on your scope of work (attached), and lots of additional questions:

1. Which tasks are funded (and which are not)?
2. What happened to the research task? I realize that my original thoughts on this have been scaled down, and there may not be any great large-scale mine landforming and/or revegetation projects, but can you at least get in touch with the ASLA Reclamation and Restoration professional group? Also, if Horst (or others) finds a good example, it is still feasible that you and I might need to travel to it. I recommend that you just mention in your scope of work that this might be necessary, but is currently unfunded.
3. Are you expecting to simulate the plant yourself?
4. Will you be creating a reverse viewshed study (like Jimmy Pepper provided) for each alternative?
5. Will the powerline (and associated road and water line) going over the ridge be included in any planned simulations? We now know that EPG is not simulating this, and it's a big visual effect, so I think we need to discuss.
6. Is there a way to include something for scale (like a person or a car) in at least some of the simulations? We haven't talked about this, but I think it's critical.

The snow on the Santa Ritas has now melted, so taking KOP photos from Tucson can happen any time. In the mean time, our Forest Supervisor has decided that the Sycamore/Barrel alternative is not moving forward, but I recommend that you or Johnathan go ahead and take the photos anyway. Our Forest Supervisor has announced that she is retiring next month, and who knows what the next forest supervisor might want. Also, it's possible that the public will demand this alternative return to analysis and/or want to see that we took views from Tucson seriously (potentially a photo could be included in your specialist report). Pick a clear day. It's been windy a lot lately and the air quality has been bad.

The reclamation meeting on Monday (May 17) starts at 9:00 am. When does your flight arrive? On Tuesday I have a dental appt. at 2:15, but could work with you all morning. Wednesday, I'm normally tied up in Rosemont IDT meetings.

Thanks.

Debby



Scope\_Visual\_Resources\_2010\_04\_30\_DK\_Comments.doc

"Marcie Bidwell" <mbidwell@swca.com>



"Marcie Bidwell"  
<mbidwell@swca.com>  
05/10/2010 08:15 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>  
cc "Jonathan Rigg" <jrigg@swca.com>, "Melissa Reichard" <mreichard@swca.com>, "Dale Ortman PE" <daleortmanpe@live.com>  
Subject Visual Scope, reviewed and ready for approval.



Hello Debby,

Please find attached the Visual Scope with a few edits to it. Basically, we made sure that the number of KOPs and data set assumptions matched with the level of effort that was agreed upon with Jamie in January (i.e. middle cost estimate). I believe that this version is now ready for your approval.

Also, I have booked flights to Tucson for the Reclamation Technology Transfer meeting on May 17th; to be conservative, I booked my flights to be in Tucson for May 17-19, as I had not heard a final schedule. In communicating with Dale, it appears that the meeting is still considered to be one day; that would give you and I at least Tuesday to work together, and I can either work from the Tucson office on Weds or try to fly standby to return earlier.

I do not consider the Reclamation Transfer meeting to be in this visual budget, and will pursue arrangements with Tom/Dale for the time.

Finally, I am preparing a Project Update, several maps and image drafts for you to review, either prior to this meeting or as a part of that trip to Tucson. I should have these to you shortly.

More to follow,  
Marcie

<<Scope-Visual Resources\_2010-04-30.doc>>

Marcie Demmy Bidwell

Environmental Planner

130 Rock Point Drive, Suite A

Durango, Colorado 81301

Office: 970.385.8566

Fax: 970.385.1938

[www.swca.com](http://www.swca.com) [attachment "Scope-Visual Resources\_2010-04-30.doc" deleted by Debby Kriegel/R3/USDAFS]



"Dale Ortman PE"  
<daleortmanpe@live.com>  
05/04/2010 06:59 AM

To "Horst Schor" <hjschor@jps.net>  
cc ""Beverley A Everson"" <beverson@fs.fed.us>, ""Melinda D  
Roth"" <mroth@fs.fed.us>, ""Debby Kriegel""  
<dkriegel@fs.fed.us>, ""Salek Shafiqullah - USFS ""  
bcc  
Subject Rosemont Landform Report - Review Comments

Horst,

Attached are the review comments for the draft landform report and response to Rosemont constraints. Please let me know the timeframe for revising the report in response to the comments.

If you have any questions please contact me.

Regards,

Dale

---

Dale Ortman PE PLLC  
Consulting Engineer

(520) 896-2404 - Arizona Office  
(520) 449-7307 - Mobile  
(435) 682-2777 - Utah Office

[daleortmanpe@live.com](mailto:daleortmanpe@live.com)

PO Box 1233  
Oracle, AZ 85623



20100504\_ortman\_schor\_draft-landform-rpt-review-comments\_memo.pdf

## Task 5.2.Issue 2—Visual Resources

### Task (why are these "sub" tasks?) A. Affected Environment Update for 6 Alternatives and Connected Actions

- Update affected environment to incorporate alternatives, for specialist report and EIS. Collect KOP in Tucson area with GPS and photography.
- Update basic existing conditions maps to show key observation points (KOPs), sensitive viewer areas, bounds of analysis, concern levels, and scenic objective classes.

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### Subtask B. Prepare Alternatives Data: Convert CAD and Construct 3D GIS Surface

- Process CAD data and model data for GIS digital elevation modeling. Generate 3-D digital surfaces for the MPO and proposed alternatives at each construction phase selected for simulations.
- Create one set of 3-D working maps and diagrams for USFS and RCC to review potential scene from each KOP to be selected.
- Budget Assumptions: 12 data sets (what is a "data set"?) to process each alternative at 20-yr Phase and one additional time phase mid-construction.

### Subtask C. Prepare KOPs, Existing Conditions, Panoramas, and Visibility Maps

- Review all alternatives and KOPs established by the USFS and KOPs to propose to USFS for analysis, simulations, and level of detail for connected actions to define areas where impacts from the project is expected to be highly visible, distantly visible, and not visible (i.e. blocked or out of view)
- Prepare "existing conditions" panoramas for potential KOP simulations and review for use as simulations. For KOPs where project would be visible, select a phase to represent for each KOP in addition to Reclamation (i.e. construction at 5 years, etc.).
- Meet with USFS and RCC to review data, KOP selection and "photo realistic" process (1-2 meetings depending on plan) (what "plan"?) includes meeting preparations, meetings, and meeting summaries. Review draft simulations with specialists from USFS, SWCA, and RCC to direct specific aspects of renderings (soils, reveg, etc.)
- Budget Assumptions: 8 KOPs 20-yr Phase and additional Phase for 6 KOPs

### Subtask D. Draft Specialist Report Analysis Methodology and Evaluation Criteria

- Draft analysis methods and evaluation criteria that will be used to define and evaluate project effects for the project resources included in the study for all alternatives and KOPs.

#### Subtask E. Draft Visibility Diagrams and Simulations; Review with USFS/RCC

- Create computer simulations of proposed alternatives (6 total action alternatives) for selected KOPs for highly visible, moderately visible, and distantly visible locations. Highly visible and moderately visible KOPs simulations will show 2 phases of the proposed alternatives for each KOP (e.g. TBD construction phase and 20-yr final reclamation). Each simulation will show waste rock and tailing pile forms, pit, roads, stormwater, vegetation, and infrastructure.
- For KOPs where the MPO and proposed alternatives would not be visible, prepare a section diagram or labeled panorama showing key landscape features and visual screen.
- Prepare photorealistic simulation images for KOPs.
- Review draft simulations with resources specialist from RCC, USFS, and SWCA to direct specific aspects of renderings; reclamation, soils, vegetation, etc.
- Complete a Draft review with USFS and RCC staff at meeting in Tucson.

#### Subtask F. Prepare Environmental Consequences Analysis

- Prepare an environmental consequences analysis for Specialist Report. Report will include analysis of direct, indirect, and cumulative effects, and compare alternatives. Utilize direction from FSM/FSH and USFS Project Level Scenery Analysis. should analyze differences in effects from changes in the tailing pile design specifics or location and potential for remediation and mitigation to affect long-term visual quality. (what does the highlighted text mean?)
- Deliverables: Completed Visual Resources Specialist Report for all alternatives including draft simulations, visibility diagrams, and maps. As needed, provide text for EIS.

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#### Subtask G. Finalize Diagrams and Simulations; Review with USFS/RCC

- Complete changes to simulations.
- Submit final formatted figures (e.g. panoramas, diagrams, simulations) to USFS and RCC for final approval.
- Budget Assumptions: Diagrams and Simulations will focus on land forms and will include 1 final review with USFS and RCC.

#### Subtask H. Final Specialist Report.

- Finalize Specialist Report and review with USFS.

#### Assumptions:

- Costs are based upon deliverables for each proposal according to the number of KOPs brought forward for simulations and figure diagrams. All alternatives will describe up to 24 KOPs for the analysis process. Revised USFS and USFS original budgets include up to 8 panoramas {??}, non-visible KOPs diagrams for up to 6

KOPs, and simulations of highly visible and moderately visible KOPs for 8 KOPs for each of 6 proposed alternatives (up to 48 simulations) at 20-yr final reclamation and up to 6 KOPs for a construction phase per alternative (36 simulations). However, not all KOPs will require simulations for all alternatives (i.e. Sycamore canyon will not be visible from many of the KOPs along SR 83). KOPs and level of detail for simulations will be formalized at the initial simulation meeting; however costs are assumed based upon the list of KOPs provided by the USFS Simulation Strategy.

- RCC to provide all data and elevations required for simulations, including a 3D model of any facilities, structures, or transmission infrastructure. USFS, RCC and SWCA will collectively contribute example imagery for depicting coloration, texture, formations, structures, and other details for portrayal in the simulations prior to simulations initiating. Surface data or changes to surface data that is provided/requested after 3D modeling is initiated will be incorporated on a time and materials basis. Direction regarding these details that is received after simulations have been initiated that varies dramatically may result in a change order. Simulations that require detailed development of the mine plant will be completed on a time and materials basis. Field work for 10 of the 14 KOPs has already been collected under the Visual Technical Report scope. SWCA assumes that Mt. Wrightson has been photographed by Rosemont's subcontractors are the photos good enough? and SWCA will be able to use this panorama for simulations. It is assumed that field documentation will be required for Box Canyon and Tucson KOPs at a minimum. Changes to the KOPs or to the construction phase selected for simulation after this meeting may require additional field work and may result in a change order. Additional KOPs, simulations, phases, or alternatives may be requested for an additional fee.
- Simulations will be classified as "highly visible" or "moderately visible". Highly visible simulations will show detailed variations in land form, vegetation, color, and texture for tailings and waste rock placement. Moderately visible simulations will show general variations in land form, vegetation, color and texture due to the level of detail being reduced by the distance of the viewer from the project area.
- Should KOPs require extensive define visualization of mining facilities, conveyors, equipment, transmission lines, etc, the work for these layers will be performed on a time and material basis, due to the unpredictable level of detail and effort required for these structures.
- RCC and USFS we likely need a 3<sup>rd</sup> party consultant and/or study are to agree upon the level of reclamation and vegetation success to be rendered prior to initiation of photoreal simulations. Changes in the direction given to SWCA to represent these aspects will require a change order, should they require additional time and effort to address.
- RCC will provide example photographs of existing reclamation, mining structures, vegetation mixes, soil types and colors, and other data to SWCA prior to the initiation of the simulations. Necessary imagery will be discussed at simulation initiation meeting in Task 1?

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➤ This estimate assumes that SWCA will create 3D surfaces for MPO and proposed alternatives from RCC CAD drawings for up to 2 phases of construction. Should RCC provide GIS surfaces, these costs may be reduced accordingly (Task 2?). Changes in data, proposed action, and level of detail requested for simulations, phases of construction, and resolution of imagery after project initiation will require adjustments based upon time and materials. SWCA will submit surfaces to RCC and USFS for review prior to creation of simulations.

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➤ Cost estimate includes two in-person meetings as two trips to Tucson for Marcie Bidwell to work with USFS and RCC on simulations, per direction of USFS staff. Additional trips may be required by USFS or RCC, and these will be arranged through an additional change order. Each task includes meeting hours for senior staff, visual specialist, editors as necessary and senior GIS under each task; additional meetings may be arranged on a time and materials basis.

➤ This scope of work includes one round of draft review and one round of final review (of specialist report or simulations? Probably need 2 draft reviews of both. Subtask B mentions the first review for simulations, which is likely the first draft review, and the first review of affected environment can't be considered the last draft review.). Additional changes, reviews, or updates will require an additional change order. Ideally, review of final images will require minimal edits agreeable to both USFS and RCC for accurate portrayal of the MPO. Explorations of mitigation options (such as painting facilities alternative colors or reducing pit contrast through other than agreed-upon mitigation treatments) would be covered under an additional scope. USFS and RCC should attempt to synchronize their comments prior to submittal to SWCA; should differences of opinion occur, SWCA will default to USFS guidance as the official SWCA client.

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"Trent Reeder"  
<treeder@swca.com>  
06/30/2010 09:00 AM

To "Marcie Bidwell" <mbidwell@swca.com>, "Debby Kriegel"  
<dkriegel@fs.fed.us>, "Tom Furgason"  
<tfurgason@swca.com>, "Jonathan Rigg"  
cc  
bcc

Subject RE: Box Canyon Road assessment

History:

✉ This message has been replied to.

Here are two viewshed images from the Box Canyon road south of the project area . Viewable areas are in red. The first one is a viewshed analysis from TT's current KOP8 location. Second image depicts a linear viewshed from a segment of the Box Canyon road (blue line). Results from the linear viewshed analysis can be a little misleading because of the overlap of viewsheds from the line. I shorten the analysis segment of Box Canyon road to an area where I believe would reveal more of the MPO. The current location of KOP 8 is in a low drainage with terrain upslope on both sides. As you move towards the west along the road, it opens up into more of a "bowl". Once at the intersection of Rd 231 and Box Canyon, the MPO Waste Rock southern slope would be quite visible. The last attachment depicts the shorter Box Canyon segment in blue and the viewshed results of this segment.

The green dot represents an approximate location where TT took the KOP 8 photos. I was able to locate this photo point by comparing both KOP 8 and KOP 3 panoramas, for which segments of each panorama overlap. In addition, I compared visible vegetation patterns/densities using aerial images along with matching terrain characteristics between the panoramas and 3D generated surfaces.

Marcie mentioned that she took some photos along the Box Canyon road for which I will do some research to see if I can match those photos to some earlier GPS point data. If I can find a match, perhaps this will replace the current KOP 8 location. I will keep you updated on my progress.

Trent

<<TT KOP 8 Viewshed.pdf>> <<Box Canyon Road Viewshed.pdf>> <<Box Canyon Road Viewshed\_b.pdf>> \_\_\_\_\_

**From:** Marcie Bidwell

**Sent:** Friday, June 25, 2010 12:40 PM

**To:** Trent Reeder; Debby Kriegel; Debby Kriegel; Tom Furgason; Jonathan Rigg

**Subject:** Box Canyon Road assessment

Trent,

I talked with Debby regarding the Box Canyon Road KOP and its alignment issues (that the Tt GPS point and Tt photos do not align for Box Canyon).

We thought that if you did a linear viewshed analysis, we could determine if there is a point on the road that will have open views, or not; then we can assess if its important to have a field person retake those photographs.

Does that seem reasonable? Use a footprint that would be closer to the southern boundary (MPO, Upper Barrel) if you can.

Thanks!  
Marcie

Marcie Demmy Bidwell

Environmental Planner

130 Rock Point Drive, Suite A

Durango, Colorado 81301

Office: 970.385.8566

Fax: 970.385.1938

[www.swca.com](http://www.swca.com)[attachment "TT KOP 8 Viewshed.pdf" deleted by Debby Kriegel/R3/USDAFS] [attachment "Box Canyon Road Viewshed.pdf" deleted by Debby Kriegel/R3/USDAFS] [attachment "Box Canyon Road Viewshed b.pdf" deleted by Debby Kriegel/R3/USDAFS]



"Trent Reeder"  
<treeder@swca.com>  
04/08/2010 09:19 AM

To "Marcie Bidwell" <mbidwell@swca.com>, "Debby Kriegel"  
<dkriegel@fs.fed.us>  
cc  
bcc  
Subject RE: Viewshed Example

We did receive their GIS data. It will take a few hours to download then I will overlay their results and possibly work through their process.

Trent

**From:** Marcie Bidwell  
**Sent:** Wednesday, April 07, 2010 3:15 PM  
**To:** Trent Reeder; Debby Kriegel  
**Subject:** RE: Viewshed Example

Trent,

Did we receive the data as shapefiles from Tt? If we did, would it be possible to overlay your analysis and theirs to see how they compare?

Debby,

To answer your question, different software and different data will both effect the results. Most importantly, Trent mentioned that if they used the larger pixel size data, that could make the real difference. One 30-meter pixel is 100 feet, so an easy data difference can eliminate 2 benches.

For your letter, I would recommend that you ask them to provide a paragraph describing their methods and data sources, so that (1) its recorded in the record and (2) we can better think through the differences. An example is included below.

The differences may be just developed from pixel sizes; it may also include parameters set (such as height of pixel, etc). As the we did not require a particular size and process, this may be hard to set after the fact. Seeing their meta data/process would help to define the differences.

Does that help?  
Marcie

A viewshed analysis utilizes GIS (program) to select the cells from a digital elevation model (DEM) as visible or non-visible from one or more observation points or lines. The viewshed for each KOP observation point was derived from the United States Geologic Society's xxx Quadrangle of 10 × 10 meter cell resolution. Viewshed analysis parameters were defined for each KOP to account for viewer height and to focus the analysis field of view. These parameters produce a more accurate viewshed result, and also reduce processing time and file size. The parameters used for this analysis include xxxxx

---

**From:** Trent Reeder  
**Sent:** Wednesday, April 07, 2010 1:58 PM  
**To:** Debby Kriegel  
**Cc:** Marcie Bidwell  
**Subject:** Viewshed Example  
Hi Debby,

Here are two images from the same KOP 2 location showing the viewshed analysis results for Scholefield/McCleary. The first image is a plan view of our viewshed results. The green color represents viewable terrain from KOP 2. The second image shows a 3D version from KOP 2 with the viewshed results (in green) overlaying the 3D terrain.

Reviewing TT's KOP 2 Alt 5 viewshed analysis, their viewshed analysis is not too different than the attached images we created. I believe TT is using different GIS software to generate their viewsheds. Because we are using two different GIS software to generate these viewsheds, both software algorithms may differ in how they compute viewsheds.

Another thing to point out in their Scholefield/McCleary viewshed PDF, we noticed that the Heap Pile southeast of the pit was not turned on, but it looks like they did take that Heap Pile into account in their viewshed analysis and this does obscure some of the pit.

Please let me know if you have additional questions. Thanks!

Trent Reeder  
GIS Specialist  
SWCA Environmental Consultants  
[treeder@swca.com](mailto:treeder@swca.com)  
130 Rock Point Dr. Suite A  
Durango, Colorado 81303  
Work (970) 385-8566  
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"Marcie Bidwell"  
<mbidwell@swca.com>  
08/11/2010 06:45 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "David Harris"  
<dharris@swca.com>

cc

bcc

Subject RE: External Visual Input -Fw: Scoping Comment for Draft  
Environmental Impact Statement (EIS) on the Proposed  
Rosemont Copper Project

Thank you Debby

David, you and I had discussed that most of the alternatives will probably require a plan amendment for visual resources. We need to make sure we include that in our EC assessment.

Marcie

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Tue 8/10/2010 12:27 PM  
**To:** Marcie Bidwell; David Harris  
**Cc:** Debby Kriegel  
**Subject:** Fw: External Visual Input -Fw: Scoping Comment for Draft Environmental Impact Statement (EIS) on the Proposed Rosemont Copper Project

Marcie and David:

Below is a link to formal input on visual impacts from 5 very important public groups. Please review the letter and maps as you work on environmental consequences and incorporate appropriate parts of their concerns and conclusions into your analysis. I suspect most of their topics are covered, so this might simply provide a good cross-check.

Other thoughts:

1. If their visibility map (map #1) differs substantially from yours, I'd like to understand why (e.g., is their methodology different from yours?).
2. On map #2, they differentiated visibility of the various project features (pit, piles, etc.). How difficult would it be for you to run the visibility this way? I don't see this as a critical thing to do, but if you have few points on the pit and a few on the pile and it's relatively quick to let the computer run these groups separately and together, it has some value (different impacts from different areas).
3. I like the 1-mile concentric circles on their maps, and it helps provide a quick overview of distances (especially for background). Can you add something similar to the ones you're doing?
4. Terry Chase (our new NEPA person) is working on the cumulative effects list. The possible future mines are currently on the draft list, but it's unclear whether there is sufficient information about these mines to conclude that they're "reasonably foreseeable future actions". Stay tuned for more direction on that. However, I'd like to see these mines mentioned in your cumulative effects analysis, even if we are not technically deemed reasonably foreseeable.

Per my phone message this morning, please provide revised target dates for submitting the draft environmental consequences and remaining simulations. I will take your input to FS leadership so we're being up-front about the new timeline, and I want to give our regional LA a heads-up to be ready for reviews.



-----

Lisa Froelich, Coordinator  
Save the Scenic Santa Ritas  
8987 E. Tanque Verde #309-157  
Tucson, AZ 85749  
520-445-6615  
[lisa@scenicsantaritas.org](mailto:lisa@scenicsantaritas.org)

**From:** Lisa Froelich <[lisa@scenicsantaritas.org](mailto:lisa@scenicsantaritas.org)>

**Date:** Fri, 23 Jul 2010 16:13:06 -0700

**To:** <[rlaford@fs.fed.us](mailto:rlaford@fs.fed.us)>

**Conversation:** Scoping Comment for Draft Environmental Impact Statement (EIS) on the Proposed Rosemont Copper Project

**Subject:** Scoping Comment for Draft Environmental Impact Statement (EIS) on the Proposed Rosemont Copper Project

Dear Ms. Laford,

Save the Scenic Santa Ritas, the Mountain Empire Action Alliance, the Center for Biological Diversity, the Arizona Mining Reform Coalition, and Sky Island Alliance would like to submit a completed visibility analysis of the proposed Rosemont Copper project. Due to the large size of the scoping comment, we have uploaded the file to our server and ask that you download it by following this link:

<http://www.scenicsantaritas.org/VisibilityAnalysis/USFSVisibilityAnalysisCommentLetterFINAL.pdf>

Please let me know if you have any trouble downloading this document.

The analysis consists of the following four elements:

- (1) A summary of the methodology and data used for the analysis;
- (2) Four visibility maps: 1. General Visibility Analysis of Proposed Rosemont Copper Project; 2. Detailed Visibility Analysis of Proposed Rosemont Copper Project; 3. Visibility Analyses of Additional Mines Planned by Augusta Resources; 4. Visibility Analyses of Augusta Resources Planned Mines
- (3) Panoramic Photographs showing visibility of the proposed and planned mines on both the east and west sides of the Santa Rita Mountains; and
- (4) A summary of the qualifications of the personnel involved in the preparation of the materials.

Please do not hesitate to contact Save the Scenic Santa Ritas or any of the undersigned organizations with questions or comments.

Sincerely,

Lisa Froelich

-----

Lisa Froelich, Coordinator

Save the Scenic Santa Ritas  
8987 E. Tanque Verde #309-157  
Tucson, AZ 85749  
520-445-6615  
[lisa@scenicsantaritas.org](mailto:lisa@scenicsantaritas.org)

No virus found in this incoming message.  
Checked by AVG - [www.avg.com](http://www.avg.com)  
Version: 8.5.441 / Virus Database: 271.1.1/3059 - Release Date: 08/08/10 17:57:00



"Marcie Bidwell"  
<mbidwell@swca.com>  
06/25/2010 11:40 AM

To "Trent Reeder" <treeder@swca.com>, "Debby Kriegel"  
<dkriegel@fs.fed.us>, "Debby Kriegel" <dkriegel@fs.fed.us>,  
"Tom Furgason" <tfurgason@swca.com>, "Jonathan Rigg"  
cc  
bcc  
Subject Box Canyon Road assessment

Trent,

I talked with Debby regarding the Box Canyon Road KOP and its alignment issues (that the Tt GPS point and Tt photos do not align for Box Canyon).

We thought that if you did a linear viewshed analysis, we could determine if there is a point on the road that will have open views, or not; then we can assess if its important to have a field person retake those photographs.

Does that seem reasonable? Use a footprint that would be closer to the southern boundary (MPO, Upper Barrel) if you can.

Thanks!  
Marcie

Marcie Demmy Bidwell  
Environmental Planner  
130 Rock Point Drive, Suite A  
Durango, Colorado 81301  
Office: 970.385.8566  
Fax: 970.385.1938  
[www.swca.com](http://www.swca.com)

Debby Kriegel/R3/USDAFS  
02/12/2010 10:40 AM

To tfurgason@swca.com  
cc Debby Kriegel/R3/USDAFS@FSNOTES  
bcc

Subject Fw: Rosemont information request

History:  This message has been forwarded.

Tom: Would you please check with Dale on this? I have not received a response from anyone. Thanks.  
Debby

----- Forwarded by Debby Kriegel/R3/USDAFS on 02/12/2010 10:38 AM -----



Melinda D Roth/R3/USDAFS  
02/04/2010 03:45 PM

To tfurgason@swca, jrigg@swca.com, daleortmanpe@live.com  
cc Beverley A Everson/R3/USDAFS@FSNOTES,  
bidwell@swca.com, Debby  
Kriegel/R3/USDAFS@FSNOTES, Debby  
Kriegel/R3/USDAFS@FSNOTES  
Subject Re: Rosemont information request 

Tom/Dale/Jonathan: See msg. below. Do we have this level of detail already somewhere?

Mindee Roth  
Coronado National Forest  
300 W. Congress, FB42  
Tucson, AZ 85701  
(520) 388-8319  
(520) 396-0715 (cell)  
(520) 388-8305 (FAX)

Debby Kriegel/R3/USDAFS

Debby Kriegel/R3/USDAFS  
02/04/2010 09:25 AM

To Melinda D Roth/R3/USDAFS@FSNOTES, Beverley A  
Everson/R3/USDAFS@FSNOTES  
cc Debby Kriegel/R3/USDAFS@FSNOTES, bidwell@swca.com  
Subject Rosemont information request

Bev and Mindee,

I have read the MPO and Reclamation and Closure Plan and attend regular Rosemont meetings, but I continue to be surprised by learning about additional mine-related features that would effect visual quality and recreation. This is due to my lack of experience on large mines, and I simply don't understand the scale and appearance of many of these features.

We have good information on the pit, plant, and access road, and will be getting more information on the power line and grading for the waste rock and tailings piles. It's the rest of the stuff that I find myself unclear about.

I would like to formally request information from Rosemont. This information will be needed for both visual quality and recreation analyses, and is likely of value to other IDT members. I will need complete information for each feature (written descriptions, sizes, photos of equivalent items from other mines, details, etc.), as well as maps of where these features will be located.

1. All above-ground constructed features (other than the pit, plant, access road, and power line) that will be needed for mine operations, including, but not limited to: buildings, drainage structures (headwalls, hardened drainageways, etc.), well enclosures/housings, conveyors, slabs, roads, fences, and above-ground water lines.
2. All facilities and other improvements that must remain after mine closure, including, but not limited to: buildings, constructed drainage structures (headwalls, hardened drainageways, etc.), well enclosures/housings, slabs, roads, fences, and above-ground utility lines.
3. Areas (other than the pit and waste rock and tailings piles) that will require major grading during mine operations or will not be returned to natural topography after mine closure. This would include embankments (sediment ponds, containment areas, compliance dams, diversion basins, etc.), grading for the plant site and mine access road, perimeter roads, and other similar areas.

Please forward this request to Rosemont.

Thanks.

~~~~~  
Debby Kriegel, RLA
Landscape Architect
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8427
Fax (520) 388-8305
www.fs.fed.us/r3/coronado/
dkriegel@fs.fed.us



"Marcie Bidwell"
<mbidwell@swca.com>
03/10/2009 09:25 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc
bcc
Subject RE: Rosemont Simulations

Debbie,

I will call you to discuss this when I return from a meeting (near noon).

THanks,
Marcie

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Friday, March 06, 2009 2:39 PM
To: Marcie Bidwell
Subject: RE: Rosemont Simulations

I would like you to follow up with this. Thanks.

"Marcie Bidwell" <mbidwell@swca.com>

03/06/2009 10:03 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc
Subject RE: Rosemont Simulations

Hello Debbie,

Glad to hear that you were able to catch Bev. I can make the call if I am the best person to do it, but I wanted to suggest that if the call came from the USFS (i.e. you) it may have better results. Because that would then place the USFS as the authority to say, this is what I want/not what I want.

I think it would be a good thing for you to be the person asking what they are delivering, and then stating what deliverables you require. SWCA's role is to support the USFS, but not to supercede it.

(Grand Canyon sounds so nice right now...) We will all have to send Bev good vibrations to carry her through Lava and Crystal Rapids!

What do you think about that approach?
Marcie

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Thursday, March 05, 2009 3:22 PM
To: Marcie Bidwell
Cc: Debby Kriegel
Subject: Rosemont Simulations

Marcie:

Bev called me on her way out of town for 2 weeks (she's rafting the Grand Canyon). I told her that you wanted to get information about the simulations Rosemont is doing (or plans to do). She told me that you can contact Rosemont directly, but first you need to send an email to Kent, the FS Rosemont project manager while Bev's away (kellett@fs.fed.us) and ask him if it's ok for you to contact Rosemont. Kent should be able to give you the ok. And please cc Bev (beverson@fs.fed.us) and me with your email correspondence with Kent.

Thanks.

Debby

Debby Kriegel/R3/USDAFS
09/04/2009 11:54 AM

To "Marcie Bidwell" <mbidwell@swca.com>
cc Debby Kriegel/R3/USDAFS@FSNOTES
bcc
Subject RE: Proposed Rosemont Mine - Field Visit in September 

Marcie:

The IDT meeting went well. Two of the alternatives will change. The Sycamore Canyon alternative will be altered to avoid placing any waste rock in McCleary Canyon; tailings will go in Sycamore and waste rock in Barrel. The McCleary/Scholefield alternative will be altered to remove the waste rock piled in upper McCleary on the mineral claim. Rosemont needs to provide some information for the mineral claim, then Dale and/or Tetra Tech will draw something for each alternative, then we'll get to see the results.

Tom Ferguson mentioned that the Mountain Empire Alliance weekend might influence bounds of analysis for some resources. Can you confirm whether our bounds of analysis for visual resources includes the whole valley?

I had a long conversation with Jimmy Pepper yesterday. He had some specific requests:

1. He thinks we ought to do a visibility map similar to what he showed us on the first morning -- plotting a few points on the top of the waste rock and tailings piles and/or top of the pit, and viewing out to show the extent of what areas are visible. Although this is the reverse of what VRMS and SMS do (i.e., both systems view FROM sensitive travelway TO the mine), I'd like to ask if you and Trent could create this map fairly simply. It could be a good graphic for the proposed action analysis. Would this take a lot of time?
2. He asked for copies of the draft KOP map so far and the concern level map. I'll send these to him next week.
3. He would like to say involved as we proceed with visual work. Let's keep him in mind as we move forward. He might be a good person to show some of our simulations to in order to decide how detailed they should be.

You have one more trip to Tucson currently funded, right? If the trip below gets postponed (which is relatively likely), when were you thinking of coming down next? What field work do you need to do for currently funded tasks (affected environment, proposed action, etc.)?

Thanks. Have a good weekend!

Debby

"Marcie Bidwell" <mbidwell@swca.com>



"Marcie Bidwell"
<mbidwell@swca.com>
09/02/2009 01:09 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc
Subject RE: Proposed Rosemont Mine - Field Visit in September

Debby,

How did the meeting go today? I am in the office if you want to discuss it.

As to the trip below, I guess I should mention that until the Simulations Budget is approved (which I understand that RCC has stated that they will not approve more work until the Alternatives are finalized), the "next trip" for me is still hypothetical. Additionally, I need to be careful that we keep the meetings and field time to what would fit in that budget. Sorry to be so mindful of the time commitment, but its a sign of the times.

Let me know if you have any feedback regarding alternatives.
Marcie

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Wednesday, September 02, 2009 1:43 PM
To: rich@soil-tech.com; Francisco Valenzuela; Marcie Bidwell
Cc: Debby Kriegel
Subject: Proposed Rosemont Mine - Field Visit in September

I'd like to attempt to schedule some field time on this project later this month, ideally with all 4 of us. A couple of tasks to focus on are:

1. Rich Beemis, with Soil-Tech, mentioned that he may be in the Tucson area in late September. We were hoping to look at reveg test plots and/or the rock that will be on the back of the pit and/or on the surface of waste rock and tailing piles, and experiment with Permeon.
2. Francisco, the new FS R3 director of recreation (who is also a landscape architect), has indicated that he may be willing to visit the site and provide some insight and advice for visual resources and recreation settings as alternatives are developed and simulations begin.

Marcie and I just looked at our schedules, and the best dates for both of us are Sept. 24-30. After that Marcie is unavailable until after October 17.

Francisco and Rich: Could you make a trip to Tucson during this window? Which dates would be best for you?

~~~~~  
Debby Kriegel, RLA  
Landscape Architect  
Coronado National Forest  
300 W. Congress  
Tucson, AZ 85701  
(520) 388-8427  
Fax (520) 388-8305  
[www.fs.fed.us/r3/coronado/](http://www.fs.fed.us/r3/coronado/)  
[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)

Sarah L Davis/R3/USDAFS  
03/09/2009 10:38 AM

To "Stephen Leslie" <sleslie@swca.com>  
cc Debby Kriegel/R3/USDAFS@FSNOTES, Beverley A  
Everson/R3/USDAFS@FSNOTES  
bcc  
Subject Re: Rosemont Recreation Headings and Subheadings 

Steve, Debby will be your Forest contact for Recreation.

Debby, Steve will be away from the office this week and requests you call him on his cell ----  
702-277-1806. I spoke with him this morning.

Sarah L. Davis, ASLA  
Plan Revision Team  
Coronado National Forest  
TEL 520-388-8458  
FAX 520-388-8332  
"Stephen Leslie" <sleslie@swca.com>



"Stephen Leslie"  
<sleslie@swca.com>  
03/09/2009 09:02 AM

To <slidavis@fs.fed.us>  
cc  
Subject Rosemont Recreation Headings and Subheadings

Sarah,

Here is a draft outline for the recreation affected environment/current environmental conditions section of the Rosemont EIS. Please let me know if you would like to add or subtract any headings/subheadings.

Thanks very much.

Steve Leslie  
Environmental Planner  
SWCA Environmental Consultants  
2820 West Charleston Boulevard, Suite 15  
Las Vegas, Nevada 89102  
sleslie@swca.com  
Office – 702-248-3880



Cell – 702-277-1806 Rosemont Recreation Headings and Subheadings.doc

## **3.0 AFFECTED ENVIRONMENT**

---

### **3.1 RECREATION AND TOURISM**

#### **3.1.1 GENERAL SETTING**

##### **3.1.1.1 SUPPLY OF RECREATION OPPORTUNITIES**

###### **3.1.1.1.1 RECREATION OPPORTUNITY SPECTRUM**

###### **3.1.1.1.2 RECREATION PLACES**

##### **3.1.1.2 EXISTING USE LEVELS AND TRENDS**

###### **3.1.1.2.1 FOREST USE**

###### **3.1.1.2.2 RESIDENT RECREATION**

###### **3.1.1.2.3 TOURISM**

###### **3.1.1.2.4 COMMERCIAL OUTFITTER AND GUIDE USE**

**Comment [s1]:** Not sure if this is appropriate for the Rosemont Project Area.



Melinda D Roth/R3/USDAFS  
11/19/2009 04:02 PM

To Debby Kriegel/R3/USDAFS@FSNOTES,  
tfurgason@swca.com

cc

bcc

Subject Re: Rosemont - Compensatory Lands 

Tom - See Debby's request for GIS assistance...

Debby - as soon as I have some idea of possible parcels, I will start the dialog with Rosemont. If today's meeting identified any parcel selection criteria or listed what resources need to be compensated for, that too would be helpful. Thx.

Mindee Roth  
Coronado National Forest  
300 W. Congress, FB42  
Tucson, AZ 85701  
(520) 388-8319  
(520) 396-0715 (cell)  
(520) 388-8305 (FAX)

Debby Kriegel/R3/USDAFS

Debby Kriegel/R3/USDAFS  
11/19/2009 03:46 PM

To Melinda D Roth/R3/USDAFS@FSNOTES

cc Debby Kriegel/R3/USDAFS@FSNOTES

Subject Rosemont - Compensatory Lands

Mindee,

This afternoon we had our first meeting with cooperating agencies to brainstorm ideas for possible compensatory lands for the Rosemont mine. Arizona Game & Fish has about a dozen ideas and wants to talk to The Nature Conservancy about more, Pima County has a bunch of thoughts and a map of other high priority lands, and the Tohono O'odham Nation is going to meet with the Archaeological Conservancy to come up with a list.

The group recommends that the first step in the process be to create a GIS map and database to compile all the ideas and information about each piece of land. We plan to meet again January 12, and ideally we'd want to have a first draft of this product.

I would like to request some of SWCA's GIS person's time to do this work. I can collect ideas from the cooperators and provide guidance to SWCA.

Please let me know if this will be possible. Thanks!

Debby



"Tom Furgason"  
<tfurgason@swca.com>  
11/18/2009 12:08 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
bcc  
Subject Pima County map guide

<http://www.dot.co.pima.az.us/gis/maps/mapguide/mgmap.cfm?path=/gis/maps/mapguide/dotmap65.mwf>

## **Tom Furgason**

Program Director  
SWCA Environmental Consultants  
343 West Franklin Street  
Tucson, AZ 85701  
(520) 325-9194 ext. 110  
(520) 820-5178 mobile  
(520) 325-2033 fax



**Beverley A  
Everson/R3/USDAFS**  
06/02/2009 06:12 PM

To karnold@rosemontcopper.com, Debby  
Kriegel/R3/USDAFS@FSNOTES  
cc  
bcc  
Subject Rosemont KOPs and Desired Condition

Kathy, please see Debby's message and enclosure below. Can you forward this information to Joy and to David? Thank you. Bev

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 06/02/2009 06:09 PM -----

**Debby Kriegel/R3/USDAFS**

06/02/2009 01:21 PM

To Beverley A Everson/R3/USDAFS@FSNOTES  
cc  
Subject Rosemont KOPs and Desired Condition

Bev,

At our meeting on May 7th, David Krizek (Tetra Tech) and Joy Lyndes (Sage) asked for KOPs (Key Observation Points) from SWCA and a desired condition statement from the USFS.

Here is a draft desired condition statement:



DesiredCondition.doc

The message below contains a zip file with the KOPs identified so far.

Please forward to David and Joy. David's email is david.krizek@tetrattech.com. Joy's email is jlyndes@sagelandscape.com.

Thanks!

Debby Kriegel, RLA  
Landscape Architect  
Coronado National Forest  
300 W. Congress  
Tucson, AZ 85701  
(520) 388-8427  
Fax (520) 388-8305  
www.fs.fed.us/r3/coronado/  
dkriegel@fs.fed.us

----- Forwarded by Debby Kriegel/R3/USDAFS on 06/02/2009 01:13 PM -----



"Trent Reeder"  
<treeder@swca.com>  
06/02/2009 08:18 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc "Marcie Bidwell" <mbidwell@swca.com>  
Subject RE: Rosemont KOP shapefile

**From:** Trent Reeder  
**Sent:** Thursday, May 28, 2009 10:29 AM  
**To:** 'Debby Kriegel'  
**Cc:** Marcie Bidwell  
**Subject:** Rosemont KOP shapefile

Hi Debby,

Here's a shapefile consisting of all project KOP locations. Please let me know if you need anything else.

Trent Reeder  
GIS Specialist  
SWCA Environmental Consultants  
[treeder@swca.com](mailto:treeder@swca.com)  
130 Rock Point Dr. Suite A  
Durango, Colorado 81303  
Work (970) 385-8566  
Fax (970) 385-1938  
[www.swca.com](http://www.swca.com)



Rosept\_KOPs.zip

Not printed  
(GIS shapefile)

**Desired Condition – Northern Santa Rita Mountains – Scenic Quality and Recreation**  
Debby Kriegel, May 8, 2009

The diverse landscapes of the northern Santa Rita Mountains offer a variety of settings for a broad range of recreational opportunities and a place for visitors to escape from busy urban life into quiet, natural, wild places. Visitors enjoy vast open space, canyon bottoms with mature trees, golden rolling grasslands dotted with oak and juniper, and rugged, rocky mountain ridgetops. Visitors rarely see utilitarian structures (such as power lines and buildings), and mines that are no longer operational have been completely naturalized by restoring topography and vegetation to blend with the surrounding landscape.

Lands along the Patagonia-Sonoita Scenic Road (AZ Hwy 83) and along Forest Service roads appear natural. Visitors find occasional developed recreation facilities (such as picnic tables, an OHV staging area, and trailhead signs), but these facilities are in character with the National Forest setting.

Dispersed recreation activities in the area include scenic driving, hiking, horseback riding, birdwatching, camping, hunting, and more. Visitors use off-highway vehicles responsibly and stay on designated roads. Dispersed campsites are small and clean, and resource damage is not a problem.

Landscapes away from roads, and lands along the Arizona Trail, provide opportunities for solitude and spending time in pristine wildlands with minimal evidence of human activity. The Arizona Trail is well-marked and well maintained. Access roads to trailheads are open and maintained, and trailheads provide adequate parking and turnaround space. Damage to resources at trailheads is minimal, and wildcat trails are rare.



"Lara Mitchell"  
<lmitchell@swca.com>  
07/26/2010 01:29 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
bcc  
Subject RE: Rosemont West Access Road, Water Line, and Power Line

Per the data we received from TT on Thurs, July 22<sup>nd</sup>, the water line (it's the same alignment for all alternatives) goes through Lopez Pass.

-Lara

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Monday, July 19, 2010 1:41 PM  
**To:** Lara Mitchell  
**Cc:** Debby Kriegel  
**Subject:** Rosemont West Access Road, Water Line, and Power Line

Lara,

On Friday, we took a hard drive to Tetra Tech and collected GIS data for the MPO and alternatives. When you're back in the office and have time to review this data, please look at the following files for the MPO and each alternative:

- West access road
- Power line
- Water line

Which are over Gunsight Pass? Which are over Lopez Pass?

Thanks!!

~~~~~  
Debby Kriegel, RLA
Landscape Architect
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8427
Fax (520) 388-8305
www.fs.fed.us/r3/coronado/
dkriegel@fs.fed.us



"Stephen Leslie"
<sleslie@swca.com>
06/15/2009 08:07 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc "Charles Coyle" <ccoyle@swca.com>, "Marcie Bidwell"
<mbidwell@swca.com>, "Lara Mitchell"
<lmitchell@swca.com>
bcc

Subject Recreation and Wilderness Bounds of Analysis - Rosemont

History:

 This message has been replied to.

Debby,

Welcome back. Here is an initial draft of the bounds of analysis for recreation and wilderness. I'll be available to discuss further and refine this as necessary when you get a chance.

Thanks,
Steve Leslie
Environmental Planner
SWCA Environmental Consultants
2820 West Charleston Boulevard, Suite 15
Las Vegas, Nevada 89102



702-248-3880 Rec and Wild Bnds of Analysis.doc

Rosemont Recreation and Wilderness Bounds of Analysis

The bounds of analysis for the elements of the Recreation and Wilderness disciplines as presented in the Rosemont Project EIS Draft Chapter 3 Affected Environment Outline, May 19, 2009 will apply to both the group of twelve issues deemed “significant” by the CNF and any additional issues that may be described in Chapter 3 Affected Environment, regardless of a determination of “significance”. The bounds of analysis for recreation and wilderness encompass both the temporal and spatial extent necessary to describe the recreation and wilderness resources that may be impacted by the proposed project. The potential impacts to recreation and wilderness are related to disruption of access, diminished quality of recreational setting and values, increased noise, decreased opportunities for solitude, reduced public safety, conflicts with special use permittees, and increases in visitation to other sites as a result of visitor displacement.

Temporal bounds are described in terms of the four phases being applied to the Rosemont Project. These four phases consist of: Construction, Operations, Closure and Post Closure. The potential impacts described above would occur throughout and following the active mine life. As such, the temporal bounds of analysis for recreation and wilderness would include all four phases of the proposed action.

Spatial bounds are described by the geographic area to be used for analysis; this memo describes the spatial bounds in general geographic terms (need map). The potential impacts to recreation and wilderness would occur within the following geographic bounds consisting of the active project area, the forest unit encompassing the Santa Rita Mountains of the CNF, including the Mount Wrightson Wilderness and the Las Colinas section of the Arizona Trail, as well as the BLM managed Las Cienegas Conservation Area east of the forest unit.

Debby Kriegel/R3/USDAFS
02/04/2010 09:25 AM

To Melinda D Roth/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES
cc Debby Kriegel/R3/USDAFS@FSNOTES, bidwell@swca.com
bcc

Subject Rosemont information request

Bev and Mindee,

I have read the MPO and Reclamation and Closure Plan and attend regular Rosemont meetings, but I continue to be surprised by learning about additional mine-related features that would effect visual quality and recreation. This is due to my lack of experience on large mines, and I simply don't understand the scale and appearance of many of these features.

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1. All above-ground constructed features (other than the pit, plant, access road, and power line) that will be needed for mine operations, including, but not limited to: buildings, drainage structures (headwalls, hardened drainageways, etc.), well enclosures/housings, conveyors, slabs, roads, fences, and above-ground water lines.
2. All facilities and other improvements that must remain after mine closure, including, but not limited to: buildings, constructed drainage structures (headwalls, hardened drainageways, etc.), well enclosures/housings, slabs, roads, fences, and above-ground utility lines.
3. Areas (other than the pit and waste rock and tailings piles) that will require major grading during mine operations or will not be returned to natural topography after mine closure. This would include embankments (sediment ponds, containment areas, compliance dams, diversion basins, etc.), grading for the plant site and mine access road, perimeter roads, and other similar areas.

Please forward this request to Rosemont.

Thanks.

~~~~~  
Debby Kriegel, RLA  
Landscape Architect  
Coronado National Forest  
300 W. Congress  
Tucson, AZ 85701  
(520) 388-8427  
Fax (520) 388-8305  
[www.fs.fed.us/r3/coronado/](http://www.fs.fed.us/r3/coronado/)  
[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)



"Marcie Bidwell"  
<mbidwell@swca.com>  
08/03/2010 03:10 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc "Trent Reeder" <treeder@swca.com>, "David Harris"  
<dharris@swca.com>  
bcc

Subject RE: VQO- Viewer Sensitivity Figure

History:  This message has been replied to.

You had requested that we show the other VQO values other than preservation, retention etc. All of these attributes are in one shapefile (this is not multiple files).

This is the other data that Trent has from Terri for VQOs.

Hope that helps,  
Marcie

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Tuesday, August 03, 2010 3:39 PM  
**To:** Marcie Bidwell; Trent Reeder  
**Cc:** David Harris  
**Subject:** RE: VQO- Viewer Sensitivity Figure

I'm confused. What is the purpose of this map? My comments will be very different depending on what you are trying to show.

"David Harris" <dharris@swca.com>

08/03/2010 12:32 PM

To "Marcie Bidwell" <mbidwell@swca.com>, "Debby Kriegel" <dkriegel@fs.fed.us>  
cc "Trent Reeder" <treeder@swca.com>  
Subject RE: VQO- Viewer Sensitivity Figure

Two things about the map that immediately come to mind.

- 1) The gradual color gradations between most distinct to least distinct make it difficult to distinguish on the map. It is possible to make these more obvious and contrasting so the viewer can easily see the differences? The idea of using color changes for fore, middle, and background is good, but the gradation maybe not so good. A greater color range might make for easier interpretation.
- 2) This is a lot of information to present. Do we need to show everything? How about showing what's critically important, like the Concern Levels 1 and 2 for Most Distinct and Distinct?

David Harris  
SWCA Environmental Consultants

801-322-4307 (Office)

801-230-8359 (Cell)

**From:** Marcie Bidwell

**Sent:** Tuesday, August 03, 2010 12:51 PM

**To:** Debby Kriegel; David Harris

**Cc:** Trent Reeder

**Subject:** VQO- Viewer Sensitivity Figure

Hello Debby and David,

Here is the VQO figure showing sensitivity- The data has all of the classes written out in one column, so its hard to work with. Trent did a great job isolating the values of our area to create this map. We used the terminology from the Coronado National Forest Scenery Inventory (2001) that you gave me, where Terry (USFS GIS) presents her methodology on creating these layers.

Side note, regarding your conversation/comment regarding "sensitive viewers" term. Following USFS manuals, we know that the USFS refers to it as constituent "sensitivity" and yet you thought that sensitive viewers was too "insensitive" of a use of the term- David and I will work on a solution and suggest something.

Please let us know your comments on this figure,

Marcie

Trent Reeder

GIS Specialist

SWCA Environmental Consultants

[treeder@swca.com](mailto:treeder@swca.com)

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Durango, Colorado 81303

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[www.swca.com](http://www.swca.com)

No virus found in this incoming message.

Checked by AVG - [www.avg.com](http://www.avg.com)

Version: 8.5.441 / Virus Database: 271.1.1/3045 - Release Date: 08/02/10 06:35:00



"Melissa Reichard"  
<mreichard@swca.com>  
08/03/2010 09:26 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Marcie Bidwell"  
<mbidwell@swca.com>  
cc  
bcc

Subject RE: FW: Photos of the Marble Quarry

History:  This message has been replied to.

I have Lara working on a map for me. Do you ladies remember where the original shots were taken from? I will be bringing my SLR- do you have any needs for me to use or not use zooms?

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Monday, August 02, 2010 12:22 PM  
**To:** Melissa Reichard; Marcie Bidwell  
**Cc:** Debby Kriegel  
**Subject:** Re: FW: Photos of the Marble Quarry

Having Lara do a map would be a good starting point. You'll want her to find a road map (including roads on the Santa Rita Experimental Range) and overlay with some distance markers. Make sure it's around noon on a clear day so shadows and clouds don't alter the colors. The goal is to look at the color of the rock from various distances to see whether it is less white (or bluer, etc.) when viewed farther away.

Two additional thoughts:

1. If you can get even closer to the quarry, get a couple of photos of the rock color right up close too (or even pick up a piece of the white rock!).
2. I recommend re-shooting the more distant photos (5-10 miles) on the same day, just for consistency (same light, weather, camera, etc.).

Thanks!!

Marcie: Jamie's comment was just about the color of the rock at various distances. He did not have issues with the pit looking like it was in front of the mountain (that was a separate comment from Kathy). Also, do you know for a fact that the existing quarry rock is the same type as would be in the upper pit?

"Melissa Reichard" <mreichard@swca.com>

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Marcie Bidwell" <mbidwell@swca.com>

08/02/2010 11:14 AM

cc  
SubjectFW: Photos of the Marble Quarry

Ladies-

I will be going to take these pictures. Can you tell me spots that I should go to that would capture what you are looking for? I don't know where these shots were taken and where spots would be to get the distance and angle that you need. Suggestions? If not, the only other way I can think of would be to ask Lara to get me some sort of map with a couple mile radius. Is that how you would go about this?

Thanks!

Mel

---

**From:** Marcie Bidwell  
**Sent:** Friday, July 30, 2010 4:20 PM  
**To:** Tom Furgason; Jonathan Rigg; Melissa Reichard  
**Subject:** Photos of the Marble Quarry

Hello Tom, Jonathan and Melissa,

So I understand from Debby that we need to photograph the Marble Quarry to see what the rock looks like per Jamie's suggestion for improving the simulations for the pit. Specifically to make it appear less "in front of" the mountain.

I have two pictures that I shared with Debby- she suggested that we needed some that were in closer range with the quarry.

Do you have some one that could photograph the quarry from these approximate distance ranges?

1. 1-2 miles away
2. 3-4 miles away

I have these, which I approximate as being 5 and 10 or so distances.

Thanks!  
Marcie

<<DSC\_0163.JPG>> <<DSC\_0160.JPG>>

Marcie Demmy Bidwell

Environmental Planner

130 Rock Point Drive, Suite A

**Durango, Colorado 81301**

**Office: 970.385.8566**

**Fax: 970.385.1938**

**[www.swca.com](http://www.swca.com)**



"Dale Ortman PE"  
<daleortmanpe@live.com>  
05/28/2010 07:16 AM

To <mbidwell@swca.com>  
cc <sshafiqullah@fs.fed.us>, <mreichard@swca.com>, <jrigg@swca.com>, "Debby Kriegel" <dkriegel@fs.fed.us>  
bcc  
Subject RE: June 4th Reclamation meeting

Marcie,

At this stage in the process I do not see where a trip to Tucson for the June 4 meeting will be cost effective. Rosemont is working on the basic feasibility of a revised drainage plan and until that is worked out and we have maps of the fundamental topography most everything else is premature. However, if you have other reasons to be in Tucson and the meeting fits your schedule then you are certainly welcome.

Cheers,

Dale

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Wednesday, May 26, 2010 8:43 AM  
**To:** mbidwell@swca.com; daleortmanpe@live.com  
**Cc:** sshafiqullah@fs.fed.us; mreichard@swca.com; jrigg@swca.com; Debby Kriegel  
**Subject:** RE: June 4th Reclamation meeting

Marcie: I think that the purpose of the meeting is for Rosemont to show us the options for moving tailings cells around and some rough shaping for a canyon-like drainageway on the waste rock. If their presentation can be done on-line, you probably don't need to be in the room to provide comments. If they only bring printed maps, it'd be great if you could be here. I guess I'm also not certain whether we are likely to be doing any preliminary design work on that day or just reviewing Rosemont's options for use by David and Horst to landform later.

Dale: Please advise.

"Marcie Bidwell"  
<mbidwell@swca.com>

05/25/2010 02:04 PM

To "Salek Shafiqullah" <sshafiqullah@fs.fed.us>, "Melissa Reichard" <mreichard@swca.com>, "Dale Ortman PE" <daleortmanpe@live.com>, "Jonathan Rigg" <jrigg@swca.com>  
cc "Debby Kriegel" <dkriegel@fs.fed.us>  
Subject RE: June 4th Reclamation meeting

Hello All,

(thanks for the forward Salek)

I am curious if I am to attend the next meeting in person or on the phone?

My preference would be for in person if its going to involve maps, but I am flexible as to what the change order may allow.

Thanks! let me know  
Marcie

---

**From:** Salek Shafiqullah [mailto:sshafiqullah@fs.fed.us]  
**Sent:** Monday, May 24, 2010 5:47 PM  
**To:** Melissa Reichard  
**Cc:** Debby Kriegel; Marcie Bidwell  
**Subject:** June 4th Reclamation meeting

Hello Mel,  
Marcie also met with us today via conference call. I did not see her name on the invitation list for June 4th. Thanks for checking into this.

Salek Shafiqullah, Hydrologist  
Coronado National Forest  
520-388-8377

Debby Kriegel/R3/USDAFS  
02/22/2010 09:29 AM

To "Dale Ortman PE" <daleortmanpe@live.com>, "Marcie Bidwell" <mbidwell@swca.com>, jrigg@swca.com  
cc "Tom Furgason" <tfurgason@swca.com>, Debby Kriegel/R3/USDAFS@FSNOTES  
bcc

Subject Re: Pit Wall Safety Benches - Potential Visual Mitigation

History: This message has been forwarded.

Dale: This is great. I appreciate you providing these ideas/options. Do you have a recommendation for how to get a review and initial input from Rosemont?

Marcie: I assume that you will be simulating the MPO's 50-foot lifts. It would be very helpful to have simulations (even rough ones), at least for double benching and randomized benching, in order to help us compare these options and determine which would mitigate visual impacts best. Can you do this?

Jonathan: Please add the following wording to the mitigation table item #15.3.3/238 as follows:

- Treat upper portions of the pit wall that are visible from Highway 83, the Arizona Trail, and other Concern Level 1 travelways and residential areas within 5 miles of the pit by (1) reducing the visual impact of horizontal safety benches by reducing the number of benches (double benching), placing benches in a randomized pattern, or similar, and (2) applying Permeon or similar to darken rock to match weathered rock on the ridge at the conclusion of operations. Verify that selected treatment will not create water quality problems. Review treatment at least every 5 years and adjust as needed to protect visual quality. If possible, plant vegetation on broken ledges on visible parts of pit wall.

Thanks.

"Dale Ortman PE" <daleortmanpe@live.com>



"Dale Ortman PE"  
<daleortmanpe@live.com>  
02/19/2010 12:06 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Marcie Bidwell" <mbidwell@swca.com>  
cc "Tom Furgason" <tfurgason@swca.com>, "Melissa Reichard" <mreichard@swca.com>  
Subject Pit Wall Safety Benches - Potential Visual Mitigation

Debby & Marcie,

Attached is a memo presenting several potential mitigation options for the safety benches on the upper pit wall.

Cheers,

Dale

---

Dale Ortman PE PLLC  
Consulting Engineer

(520) 896-2404 - Arizona Office  
(520) 449-7307 - Mobile  
(435) 682-2777 - Utah Office

[daleortmanpe@live.com](mailto:daleortmanpe@live.com)

PO Box 1233  
Oracle, AZ 85623

[attachment "20100219\_ortman\_kriegel-bidwell\_pitbenchmit\_memo.pdf" deleted by Debby Kriegel/R3/USDAFS]



"Marcie Bidwell"  
<mbidwell@swca.com>  
01/12/2010 01:16 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
bcc  
Subject RE: KOP Locations in Tucson

Thanks, that is more legible than my scrawl!  
M

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Tuesday, January 12, 2010 12:51 PM  
**To:** Marcie Bidwell  
**Subject:** Re: KOP Locations in Tucson

The 3 sites that I mentioned were:

1. Interstate 10 at the Wilmot overpass
2. Oracle and River (probably not at street level, but standing on the hill just northeast of the intersection)
3. Craycroft or Swan between River Rd. and Oracle. I can't remember which I told you about. I recommend driving both to see if there's an ideal spot.

These 3 points represent south, NW and NE Tucson respectively, and would provide pretty widespread coverage. I have a feeling that #1 will be the best spot for any simulations, since it's closer to the project, but otherwise a similar view of the Santa Ritas. However, it's worth taking photos at the other two to confirm this.

Thanks.

"Marcie Bidwell" <mbidwell@swca.com>

01/12/2010 12:32 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
Subject KOP Locations in Tucson

Debby,

I was hoping to record the KOP locations in Tucson while I am here, and I wrote them down wrong when you gave them to me.

Do you still hve your notes?

Thanks!  
Marcie

**Marcie Demmy Bidwell**  
**Environmental Planner**  
**130 Rock Point Drive, Suite A**  
**Durango, Colorado 81301**  
**Office: 970.385.8566**  
**Fax: 970.385.1938**  
**[www.swca.com](http://www.swca.com)**



"Marcie Bidwell"  
<mbidwell@swca.com>  
07/26/2010 12:12 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "David Harris"  
<dharris@swca.com>  
cc "Tom Furgason" <tfurgason@swca.com>, "Jonathan Rigg"  
<jrigg@swca.com>  
bcc

Subject AE for your review

History:  This message has been forwarded.

Hello Debby,

Please find for your review the AE section. The outline will follow and I will post the maps and figures to the client access site that you were referenced to for the simulations.

You will note that we added BLM VRM language; we need to discuss how to deal with the TEP siting process and what is/is not covered by EPG's document and process.

Happy reading, call if you would like to discuss anything.

Marcie

<<Rosemont Ch 3\_Draft AE\_2010-07-26.doc>>

Marcie Demmy Bidwell

Environmental Planner

130 Rock Point Drive, Suite A

Durango, Colorado 81301

Office: 970.385.8566

Fax: 970.385.1938

www.swca.com[attachment "Rosemont Ch 3\_Draft AE\_2010-07-26.doc" deleted by Debby Kriegel/R3/USDAFS]

Debby Kriegel/R3/USDAFS  
08/02/2010 07:58 AM

To "Terry Chute" <tjchute@msn.com>  
cc Debby Kriegel/R3/USDAFS@FSNOTES  
bcc  
Subject Re: Rosemont DEIS - Visual Quality - Affected Environment  
Review

History: This message has been forwarded.

Marcie: Here are comments from our new Rosemont NEPA person (a retired FS employee who is working directly for SWCA). I added my comments (marked DK) to some of his comments. Also, now that you have official written direction to use SMS for the project-level analysis (see Reta's email sent just minutes ago), please revise the AE to simply state what VQOs are in the forest plan, then move immediately into SMS. Thanks. Debby

"Terry Chute" <tjchute@msn.com>



"Terry Chute"  
<tjchute@msn.com>  
07/30/2010 03:09 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
Subject Re: Rosemont DEIS - Visual Quality - Affected Environment  
Review

Debby,

I took a quick look at the Chapter 3 Affected Environment for visuals that you sent me, and here are my comments. You'll see a couple things: (1) we are trying to minimize the number of acronyms we use, so I asked that many of the ones in this section be spelled out. The amount of acronyms throughout the document is overwhelming for the reader; (2) I need to step back and look at the Chapter 3 outline, and I have not done that yet. I'm not sure it flows very well, and as you noted some sections seem out of place given a first overview.

My overall impression is that this is pretty good. We are pretty heavy to technical specific of the various analysis methods (VHS, SMS, and the BLM method), and that kind of overwhelms the description of the existing condition of the project area. You might want to look for opportunities to summarize the analysis methods and put more details in the supporting documentation, with references in the DEIS. Of course, the reader needs enough in the text of the EIS to understand the effects we are describing in the Effects Analysis. I cannot make that judgment until I see the whole thing together, so at this point use your best judgment.

You also sent along document titled "Trend Information" - I did not get a chance to look at it closely, and I am wondering what the intended use of this document is. I also did not have a chance to look the figures over.

Thanks for all your hard work. We can talk about this next Tuesday if you have

questions/concerns. Have a great weekend.....Terry

**From:** Debby Kriegel

**Sent:** Tuesday, July 27, 2010 1:16 PM

**To:** Ruth Doyle ; tjchute@msn.com

**Cc:** Debby Kriegel

**Subject:** Rosemont DEIS - Visual Quality - Affected Environment Review

Here are my comments and some references (per a comment I made in the text). The figures are attached to Marcie's email message below.

Ruth: Can you add your comments to this marked-up version, or is it too messy?

Terry: As your time permits, I'd appreciate you giving this a quick review for general flow, consistency with other resources, red flags, etc.

Thanks.

----- Forwarded by Debby Kriegel/R3/USDAFS on 07/27/2010 12:08 PM -----

"Marcie Bidwell" <[mbidwell@swca.com](mailto:mbidwell@swca.com)>

To "Marcie Bidwell" <[mbidwell@swca.com](mailto:mbidwell@swca.com)>, "Debby Kriegel" <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>, "David Harris" <[dharris@swca.com](mailto:dharris@swca.com)>

07/26/2010 04:07 PM

cc  
Subj Figures and updated text  
ect

Hello Debby,

Here are the figures and an updated document.

I think you are right that perhaps you should review it and then have RO review it, rather than do them simultaneously. This would still keep the RO review moving, and more likely make sure that you approve of the product before it goes to them.

<<Figures\_draft 2010-07-26.pdf>> <<Rosemont Ch 3\_Draft AE\_2010-07-26.doc>>

Eventually, when this goes to editing, the figures will be inserted in the text as part of 3.9 or as an appendix.

I can discuss this with you tomorrow, how about 1:00 AZ time?

Thank you,  
Marcie

**Marcie Demmy Bidwell**

**Environmental Planner**

**130 Rock Point Drive, Suite A**

**Durango, Colorado 81301**

**Office: 970.385.8566**

**Fax: 970.385.1938**

**www.swca.com[attachment "Rosemont Ch 3\_Draft AE\_2010-07-26.doc" deleted by Debby Kriegel/R3/USDAFS] [attachment "Rosemont\_Ch\_3\_Draft\_EA\_2010\_07\_30\_Chute edits.doc" deleted by Debby Kriegel/R3/USDAFS]**



"Lara Mitchell"  
<lmitchell@swca.com>  
07/21/2010 01:55 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc "Jonathan Rigg" <jrigg@swca.com>, "Melissa Reichard"  
<mreichard@swca.com>  
bcc

Subject RE: Rosemont West Access Road, Water Line, and Power Line

History: This message has been forwarded.

Hi Debby

For the MPO and the 3 alternatives the west access road goes through Lopez Pass.

For the MPO the power line goes through Lopez Pass. For all three alternatives, 4 of the power line alternative routes (Preferred Route, Alternative 1, Preferred sub alternative and sub alternative 1) all go through Lopez Pass, one (Alternative 2) comes through farther south, near Box Canyon Road.

For the MPO the water line looks like it comes through Lopez Pass. We are still waiting on water line data. I was told by Melissa that we would receive it on Friday. I don't have any info for the Alternatives water lines until we get that data.

So from what I looked at today, no access road or power line goes through Gunsight Pass. I'll have to get back to you on the water line info.

-Lara

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Monday, July 19, 2010 1:41 PM  
**To:** Lara Mitchell  
**Cc:** Debby Kriegel  
**Subject:** Rosemont West Access Road, Water Line, and Power Line

Lara,

On Friday, we took a hard drive to Tetra Tech and collected GIS data for the MPO and alternatives. When you're back in the office and have time to review this data, please look at the following files for the MPO and each alternative:

- West access road
- Power line
- Water line

Which are over Gunsight Pass? Which are over Lopez Pass?

Thanks!!

~~~~~  
Debby Kriegel, RLA
Landscape Architect
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8427
Fax (520) 388-8305

www.fs.fed.us/r3/coronado/
dkriegel@fs.fed.us

Debby Kriegel/R3/USDAFS
06/01/2010 07:30 AM

To "Marcie Bidwell" <mbidwell@swca.com>, Melinda D
Roth/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES, Reta
cc Debby Kriegel/R3/USDAFS@FSNOTES

bcc

Subject Rosemont Simulations - Drainage Drawings 

Bev, Mindee, Reta: Note Marcie's statement below (I turned her text red). If she doesn't have the data from Rosemont by June 15, she won't be able to produce simulations for the DEIS. I believe that this is a major problem.

Marcie: Please verify with Rosemont and Tetra Tech the correct number of benches to show in the simulation. I'm confused by items 1 (no benches on tailings) and 2 (6 benches). Which is correct for the MPO?

"Marcie Bidwell" <mbidwell@swca.com>



"Marcie Bidwell"
<mbidwell@swca.com>
05/28/2010 09:16 AM

To "David Krizek" <david.krizek@tetrattech.com>, "Kathy
Arnold" <karnold@rosemontcopper.com>
cc "Debby Kriegel" <dkriegel@fs.fed.us>, "Keepers, Ashley"
<Ashley.Keepers@tetrattech.com>, "Carrasco, Joel"
<Joel.Carrasco@tetrattech.com>, "Trent Reeder"
<treeder@swca.com>, "Melissa Reichard"
<mreichard@swca.com>, "Jonathan Rigg"
<jrigg@swca.com>, "Lara Mitchell" <lmitchell@swca.com>
Subject RE: Drainage drawing

David,

Good to see you on Monday. You looked refreshed.

Per Kathy's email regarding stormwater, here is an example of what we are looking for as an indication of stormwater elements- we just need to just know a general indication of where to show drop structures, detention ponds, etc. This could be hand drawn, or as Trent prepared similar to this diagram. This is to illustrate what we are requesting.

In the meeting May 19, the MPO was discussed, and it was decided that while several concepts for reclamation were included in the MPO that have different physical forms (such as ridge and valley, etc) that the EIS simulations will use the basic topography that Rosemont has provided the FS and SWCA. Additionally, SWCA will apply vegetation and colors to the surface, but we will not be adjusting the contours. The idea is that the "MPO is the MPO" to the level designed, not to show possible modifications to it.

REQUEST:

1. ***Please indicate by June 3 if Trent's drawing for placement of drop structures and stormwater ponds will suffice.*** At that date, we will complete the drafts of the MPO as Trent has shown. Or you may supply a similar drawing by June 3rd to replace it.

2. Please supply a similar level of drawing for the Scholefield and Barrel Only alternatives with the contours, when they are ready.

3. Any data that has been requested and **not received by June 15th** will not be shown in the DEIS simulations by SWCA, unless special arrangements have been made prior to this date.

A few important points regarding the MPO, drainage, and contours~

1. MPO Contours data set and reclamation- SWCA has been directed to use the set of contours for our alternatives that are shown in the JPG that is attached (August 2009 and Feb 2010 data downloads). However we do also have the 2007 contours Shown in Figure 23 Reclamation Plan as well. There are differences between these data sets, although their footprints are mostly the same. Notice also that Figure 23 does not show benches or access roads. JPG shows three benches on the waste rock pile and no specific benches on the tailing pile; the tails are generally evenly stepped throughout.

Important note: we are proceeding with the data set shown in JPG, as recently directed, unless we hear otherwise by June 3.

2. MPO vs. Reclamation data set. Thus far, SWCA has been using the MPO footprint as shown in the maps used at Monday's meeting.

I know that you are very familiar with the MPO and its Reclamation Plan and you will notice that the contours that we have received for the MPO do not look quite like MPO Rec Figure 23 (compared with the contours shown in MPO SW mdb.jpg). The MPO JPG shows 3-4 benches in some places, but according to your Preliminary Stormwater Concept, there should be 1 bench per 100 feet of elevation on the waste rock, or 4-6 benches depending on where one starts counting.

Important note: we are proceeding with the MPO shown benches on the waste rock and assigning a bench to every 100ft of drop on the tails, which results in 6 benches (approximately), as directed May 19th unless we hear otherwise by June 3.

Thank you for your time and cooperation in advance,
Marcie

From: Marcie Bidwell
Sent: Wednesday, May 19, 2010 4:08 PM
To: 'Kathy Arnold'; David Krizek
Cc: Debby Kriegel; Keepers, Ashley; 'Carrasco, Joel'; Trent Reeder
Subject: RE: Drainage drawing

Hello David,

This request forwarded by Kathy is the conceptual drawing that you and I have been discussing for a few months now.

The request is to supplement the *Preliminary Stormwater Control and Reclamation Summary* with a conceptual sketch of where the elements described in the text would be placed on each alternative map. This is consistent with the data requests filed by the Forest Service this year.

Specifically, it would be for the following alternatives (i.e. Phased Tailings is considered complete):

- MPO-
- Upper Barrel- (once the final design is confirmed)
- Scholefield- (once final design is confirmed)

Additionally, SWCA would like to request that the Phased Tailings Contour data and associated layers be uploaded to the FTP site, as well.

I would be glad to discuss this on the phone with you, Ashley or Joel. And I want to extend a thank you for the recent call inquiry.

Thank you!

Marcie

From: Kathy Arnold [mailto:karnold@rosemontcopper.com]

Sent: Wednesday, May 19, 2010 2:46 PM

To: David Krizek

Cc: Marcie Bidwell; Debby Kriegel

Subject: Drainage drawing

David -

I need you to put pen to paper on a drawing (2-d is fine) to show Marcie what your write-up will (could?) look like in the real world. Hand drawn arrows will be fine.

Cheers!

Kathy

Katherine Ann Arnold, P.E. | Director of Environmental and Regulatory Affairs

Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724

karnold@rosemontcopper.com



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[attachment "MPO_SW mdb.jpg" deleted by Debby Kriegel/R3/USDAFS] [attachment "MPO Rec Figure 23.pdf" deleted by Debby Kriegel/R3/USDAFS]



"Tom Furgason"
<tfurgason@swca.com>
12/02/2009 08:31 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc "Beverley A Everson" <beverson@fs.fed.us>, "Melinda D
Roth" <mroth@fs.fed.us>
bcc

Subject RE: FW: Rosemont Landforming Assessment Proposal

History: This message has been forwarded.

Feel free to send it to Horst if the Coronado is satisfied.

Tom

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Wednesday, December 02, 2009 7:22 AM
To: Tom Furgason
Cc: Beverley A Everson; Melinda D Roth
Subject: Re: FW: Rosemont Landforming Assessment Proposal

I'd like to share this scope of work with Horst. Can I send this version to him? Or should I wait until everyone has reviewed it and revisions made? Please let me know. Thanks.

"Tom Furgason"
<tfurgason@swca.com>

12/01/2009 05:03 PM

To <beverson@fs.fed.us>, "Melinda D Roth" <mroth@fs.fed.us>, "Debby Kriegel"
<dkriegel@fs.fed.us>
cc <rlaford@fs.fed.us>, <jsturgess@augustaresource.com>, "Dale Ortman "
<daleortmanpe@live.com>
SubjectFW: Rosemont Landforming Assessment Proposal
t

Bev,

Attached is Golder's SOW for your consideration. Please let me know ASAP if you feel that George missed anything. I have forwarded a copy with the costs to Rosemont for their consideration.

Tom

From: Kelley Cox
Sent: Tuesday, December 01, 2009 4:51 PM

To: Tom Furgason
Subject: FW: Rosemont Landforming Assessment Proposal

For you -

Kelley Cox
Senior Administrator
SWCA Environmental Consultants
343 W. Franklin Street
Tucson, Arizona 85701
Phone: 520-325-9194 Fax: 520-325-2033
www.swca.com
Sound Science, Creative Solutions.®

From: Tom Furgason
Sent: Tuesday, December 01, 2009 4:28 PM
To: Kelley Cox
Subject: FW: Rosemont Landforming Assessment Proposal

Kelley,

Can you please delete the last sheet and black out the cost estimate on Page 2? Thanks.

Tom

From: Annandale, George [mailto:George_Annandale@golder.com]
Sent: Monday, November 30, 2009 4:26 PM
To: Tom Furgason
Cc: Dale Ortman PE; Kidd, Dave; Melissa Reichard
Subject: Rosemont Landforming Assessment Proposal

Tom

Please find attached the proposal for the landforming assessment.

I will appreciate it if you can let me know whether the client approved so that we can commence with the work.

Sincerely,

George W. Annandale, D.Ing., P.E. | Practice / Program Leader | Golder Associates Inc.
44 Union Blvd, Suite 300, Lakewood, Colorado, USA 80228
T: +1 (303) 980-0540 | D: +1-720-920-4612 | F: +1 (303) 985-2080 | C: +1 (720) 244-3865 | E:
george_annandale@golder.com | www.golder.com

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Please consider the environment before printing this email.

[attachment "09381962 Ltr RosemontMinePropVer1RevB 30NOV09.pdf" deleted by Debby Kriegel/R3/USDAFS]



"Marcie Bidwell"
 <mbidwell@swca.com>
 06/03/2009 01:38 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>
 cc "Trent Reeder" <treeder@swca.com>, "Charles Coyle"
 <ccoyle@swca.com>
 bcc

Subject Analysis Criteria and Bounds of Analysis~

Debby,

In preparing for both this weeks meeting and making progress while you are on vacation, here are a few things.

<<Evaluation Criteria- working draft.doc>>

1. EVALUATION CRITERIA:

Here is a draft of starting to role the Issue Statements into Analysis Questions into Indicators of Change.

Please feel free to edit a way; its just a stab at it.

2. BOUNDS OF ANALYSIS:

Charles asked that all SWCA and USFS specialists work together to define the following (here are my thoughts). If you agree with this basic outline, I can convert this to a paragraph format quickly. If you would recommend something else, please let me know. Edits are welcomed!

These are his specific requests on bounds:

1. Bounds of analysis: define geographic and temporal parameters of what will be analyzed for visual resources?

- Geographic, will depend on the alternatives and where the viewsheds are in my opinion, but I would say that the bounds would be related to a clear sky view of the Santa Rita Mountains (or project area) on a good air quality day, so would include Tucson, views from 19 and 10, Sonoita, Sahaurita, etc. 3.1.1 *CNF, 83*
- Scales of Analysis- in our Chapter 3 outline, we had discussed using three: Project Viewshed, Santa Rita Mountains, and Coronado National Forest. Generally, I see these as appropriate to tie them to the distance zones that we are using (1) foreground viewsheds (project area and immediate viewsheds), and (2) middleground (close range, Santa Rita mountain views), and far/background (far Santa Ritas, Coronado, Tucson, etc views).

Temporal- Dale Ortman proposed that we all consider construction, operation, reclamation, post-closure. But he did not indicate when Construction and operations would break. I think we have discussed the following: (1) Initial Construction is 0-5 years; (2) Operation includes Installation of the reclaimed berm 5-15 years; Reclamation begins at Final form 20 years, and Post Closure, I would argue should be at a reasonable expectation for a reclamation stage at 20, 50 or 100 (?) years.

CNF not tied to viewshed. Move analysis of reclamation & cumulative effects.

Marcie Demmy Bidwell
 Environmental Planner
 515 East College Avenue
 Durango, Colorado 81301
 Office: 970.385.8566
 Fax: 970.385.1938

~~Main Viewshed only east side~~



www.swca.com Evaluation Criteria- working draft.doc

Purpose - to compare Alts, right?

Visual Resource Issue #1:

Presence of mine-related equipment and vehicles (e.g., drills, loading units, trucks, bulldozers, graders, buildings, tailings, water pipeline, etc.) on Key Observation Points (KOPs), including Scenic Byway SR 83, USFS Scenic Roads (Box Canyon Road [FR 62], Madera Canyon Road/Madera Nature Trail #88, Mt. Hopkins Road [FR 184] may directly affect visual quality.

get revised wording

Analysis Question(s): How will the presence of mine-related equipment and vehicles affect scenic resources? How will these changes affect different viewing populations (e.g. recreation, residents, scenic drivers)? Where will the presence of these activities be visible in the landscape?

Indicator of Change:

- Amount of change in human activity, cultural elements and mix of land uses
- Amount of change in scenic attractiveness and variety of classes to sensitive viewers and important concern areas from changes in activity and cultural elements
- Amount of change compared to existing scenic integrity and future desired conditions
- A change in concern levels due to changes in uses, levels of activity, and quality of view corridors

NO

Use bullet from Issue Statement. Add "Amount" as nec.

Visual Resource Issue #2:

Ground disturbance, topography alteration, and landscape changes resulting from mining-related activities (clearing, grading, deposition of fill material, open pit, waste rock dumps, tailings) may directly result in changes to visual quality.

Analysis Question(s): How will scenic quality be affected from multiple KOPs and for different classes of viewers?

or same 3 from #1?
 (How)

Indicator of Change:

- Amount of change in scenic quality from changes to form, line, texture, and color in the Project Area
 Add to #1 too
- Amount of change or contrast due to changes in the patterns of vegetation, landform scale and proportion, etc.
 (covered in #1) or add to #1
- Amount of change measured in acreage due to ground disturbance within sensitive viewsheds
 Troublesome. Quantitative better.
- Amount of change in concern levels due to changes in scenic quality from landscape manipulation and activity

keep

NO

11 11

Visual Resource Issue #3:

Reclamation that includes infrastructure removal and revegetation of waste rock facilities and other project-related landscape disturbance may directly result in affects to visual resources.

New wording

Analysis Question(s): How will visual resources be affected by reclamation and revegetation plans? How long will it take before reclamation is successful? What will define reclamation success? What uses will return to the landscape after reclamation?

Good

Indicators of Change:

- Length of time until revegetation cover is achieved
- Length of time until vegetation diversity is achieved
- Amount of difference between existing vegetation and revegetated landscape
- Amount of contrast from reclaimed land form and surrounding landscape.

USFS Scenic Integrity Objectives- Forest Service Guidance

Table 1 USFS SMS Scenic Integrity Objectives

LANDSCAPE THEME	SCENIC INTEGRITY OBJECTIVE
The landscape is intact, with only minute, if any, deviations. The existing character and sense of place should be expressed at the highest level. Human influence from historic use or management should appear completely natural to the majority of viewers.	Very High
The landscape appears unaltered and intact. Deviations may be present, but should repeat the line, form, color, and textures of the existing landscape character so completely, and at such a scale, that they are not evident.	High
The landscape appears slightly altered. Noticeable changes should remain visually subordinate to the landscape character being viewed.	Moderate
The landscape appears moderately altered. Deviations and changes to the landscape may begin to dominate the landscape character. These changes should borrow valued landscape attributes such as size, shape, edge effects, patterns of natural openings, vegetative type changes, or architectural styles that are outside of the altered landscape.	Low

Source: USFS 2000



Marcie Demmy
<marciedemmybidwell@hotmail.com>

03/13/2009 03:15 PM

To <dkriegel@fs.fed.us>, <ccoyn@swca.com>, <mbidwell@swca.com>

cc

bcc

Subject

History:

✉ This message has been replied to.

Debby,

~I am sending this email from my hotmail as well as SWCA as I am experiencing trouble with me email and want to make sure that you get it before I sign off. Sorry for duplicates if they both arrive!

~~~~~

Debby,

Sorry to hear that we are receiving conflicting messages from our superiors regarding who needs to contact RCC. I will ask Charles and Tom to discuss this with Rita (as Bev is out) and then we can act accordingly.

Here is the word doc outline for Chapter 3, with the visual section inserted into its place in the outline. I did not write the recreation or wilderness section, as I was told that USFS had asked for a new contact. In communicating with Steve Leslie, the new rec person, he said that you had not heard that the change had been made.

As to the outline, I hope it is more readable; I erred in thinking that embedding the doc in the email text would make it easier for you to access.

I will send you the basic template before the weekend. I had hoped to talk with you to clear up some questions that I had before sending it, but hopefully it is close to what you are looking for.

More to follow,  
Marcie

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]

**Sent:** Friday, March 13, 2009 1:03 PM

**To:** Marcie Bidwell

**Cc:** Debby Kriegel

**Subject:** Re: Chapt 3 Outline for Visual Resources ~ to continue discussion

Marcie,

I'm looking over your messages from yesterday, have received your voicemail messages, and have some general comments:

1. Your outline format for Recreation and Wilderness has very different headings (theirs use "3.2.4.1" style) and the indents in your message below and the other message with the outline for the visual technical report get really screwed up in email. Can you please check on the requirements for format and resend both to me in a Word document? Then I can edit them and send them back to you. I have many comments on both.
2. I'm no longer overseeing the night skies topic and have told Ben who to contact.
3. Reta and Bev repeatedly tell me that it's not the responsibility for the FS to convince Rosemont of what work is necessary. The FS is to simply let SWCA know what is needed, and it is SWCA's responsibility to do the work.

4. This weekend I will work on the proposal and schedule for visual resources that I've been asking you for. All of the visual resource work ties to this and it's really difficult for me to work on the outlines without it.

Let's talk on Monday.

Debby

"Marcie Bidwell" <mbidwell@swca.com> 03/12/2009  
07:58 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc "Charles Coyle" <ccoyle@swca.com>, "Ben Gaddis"  
<bgaddis@swca.com>  
Subject: Chap 3 Outline for Visual Resources ~ to continue discussion  
t

Hello Debbie, Thanks for the examples. I read through them and appreciate your approach. Here is the outline for you to review and us to discuss. I look forward to your comments. Also, I understand that you are the point person for Night Sky evaluation as well. Ben Gladdis and I have been put together as a team for this issue. He and I have discussed an approach and he will be contacting you today/tomorrow to discuss as well. If you would rather just interface with one of us, let me know. But together, I think we will have a stronger specialist approach to apply to the project.

Also, just to be complete, I was told that (at USFS request) I am no longer the recreation specialist for this project and that someone else will be your contact person. I am assuming that they have already contacted you, and that this is your preference. Again, let me know if this is incorrect, and we can discuss these other issues as well.

As this is just the Chap 2 AE outline, I was not sure of how we would introduce remediation effects on visual resources, perhaps in EC; so to compliment this section that I just submitted to you, I am working on the Visual Technical Report Outline as well. I will send it along shortly for you to review and then we can discuss how these two tools will compliment each other as well.

Also the table showing the compliment of EIS, Technical Report and other studies has turned out harder to fill in than I thought. It also will be ready for some comments in another hour or so.

Hope we can catch up today,  
Marcie

Windows Live™ Groups: Create an online spot for your favorite groups to meet. [Check it](#)



[out.](#) DRAFT CHAPTER 3 AFFECTED ENVIRONMENT OUTLINE.doc Visual Outline- 2008-03-10.doc

**ROSEMONT PROJECT EIS**  
**DRAFT CHAPTER 3 AFFECTED ENVIRONMENT OUTLINE**  
March 11, 2009

**3.1. AIR QUALITY**

**3.1.1. [pending]**

**3.2. WATER RESOURCES**

3.2.1. Applicable Laws, Regulation, and Policy

3.2.2. Regional Hydrologic Setting

3.2.2.1. Hydrometeorology

3.2.2.2. Surface water

3.2.2.3. Groundwater

3.2.3. State and Local Water Resources Management

3.2.4. Water Resource-Related Regulations

3.2.5. Mine Site Water Resources

3.2.5.1. Surface Water

Washes and Creeks (Natural Drainages)

Waters of the United States

Springs and Seeps Inventory

Surface Water Quality

3.2.5.2. Groundwater

Groundwater Investigation & Modeling

Well Inventory

Groundwater Occurrence and Quantity

Groundwater Flow Direction

3.2.6. Offsite Water Resources

3.2.6.1. Mine Water Supply

Santa Cruz Valley Groundwater Resources (Mine Water Supply)

Groundwater Investigation & Modeling

Groundwater Flow

Groundwater Quantity

Groundwater Quality

3.2.6.2. Tucson AMA Model

3.2.6.3. Sierrita Sulfate Plume Model (FMI-ADWR Consent Order)

3.2.6.4. CAP Recharge

3.2.6.5. Water Resources Downgradient from the Mine Site

Davidson Canyon

Cienega Creek

**3.3. GEOLOGY AND MINERALS**

- 3.3.1. Regional Geology
- 3.3.2. Mine Site Geology
  - 3.3.2.1. Geology (basic geology and structure)
  - 3.3.2.2. Mineral Exploration and Mining History
  - 3.3.2.3. Rosemont Deposit (Rosemont Deposit geology with emphasis on difference between sulfide and oxide ore which is basic to potential ARD issues)
- 3.3.3. Geologic Hazards
  - 3.3.3.1. Seismicity
  - 3.3.3.2. Landslides (this may be just an “Other” category)
  - 3.3.3.3. Subsidence (limited to the known subsidence issues in the Santa Cruz Valley due to groundwater withdrawal)
- 3.3.4. Other Geologic Resources
  - 3.3.4.1. Fossils
  - 3.3.4.2. Caves

**3.4 SOILS AND RECLAMATION**

- 3.4.1 Soil Occurrence and Characteristics
  - 3.4.2.1 General Soil Characteristics
  - 3.4.2.2 Soils Unit Mapping and Description
- 3.4.2 Estimates of Existing Erosion Loss
  - 3.4.2.1 Revised Universal Soil Loss Equation (RUSLE)
- 3.4.3 Existing Disturbance
  - 3.4.3.1 Existing Soil Disturbance
  - 3.4.3.2 Existing Mineral-Related Disturbance
  - 3.4.3.3 Grazing
- 3.4.4 Suitability for Reclamation
  - 3.4.4.1 Soil Salvage and Placement

**3.5 BIOLOGICAL RESOURCES**

- 3.5.1 Biodiversity
- 3.5.2 Terrestrial Resources
- 3.5.3 Aquatic Resources
- 3.5.4 Vegetation Communities
  - 3.5.4.1 Semidesert Grassland
  - 3.5.4.2 Madrean Evergreen Woodland
- 3.5.5 Special Status Plants

- 3.5.5.1 Listed Plant Species
- 3.5.5.2 Other Special-Status Plants
- 3.5.5.3 Invasive Species
- 3.5.6 Special Status Wildlife
  - 3.5.6.1 Listed Wildlife Species
  - 3.5.6.2 Migratory Birds and Raptors
  - 3.5.6.3 Coronado National Forest Management Indicator Species
  - 3.5.6.4 Other Special-Status Wildlife Species
- 3.6 CULTURAL RESOURCES**
  - 3.6.1 Introduction
    - [Federal Legislation regarding Historic Properties and Heritage Resources; definition of APE]*
  - 3.6.2 Previous Archaeological Research
    - [Summary of research in general area and project area, with citations]*
  - 3.6.3 Cultural-Historical Overview
    - [Summary of Prehistoric/Historic Occupational Periods]*
  - 3.6.4 Archaeological Investigations
    - [Research Themes; Definition of Site Types; Inventory Methods & Period of Performance; Criteria for Evaluations of Significance; and Results]*
  - 3.6.5 Ethnohistoric Investigations
    - [Methods; Sources Consulted; Results]*
  - 3.6.6 Consultation with Tribal Governments
    - [Summary of the Process; Tribes Consulted by CNF [matrix of consultation]; and Results]*
  - 3.6.7 Summary of Results
- 3.7 SOCIOECONOMICS/ENVIRONMENTAL JUSTICE**
  - 3.7.1 Study Area
  - 3.7.2 Population, Demographics and Housing
    - 3.7.2.1 Population
    - 3.7.2.2 Ethnicity/Race
    - 3.7.2.3 Housing Inventory
  - 3.7.3 Employment
    - 3.7.3.1 Jobs by Industry
    - 3.7.3.2 Median Income
    - 3.7.3.3 Income Distribution
  - 3.7.4 Economic Activity
    - 3.7.4.1 Economic Output by Industry

- 3.7.4.2 Taxes and Revenues
- 3.7.4.3 Property Values
- 3.7.5 Quality of Life
  - 3.7.5.1 Public Facilities and Services
  - 3.7.5.2 Community Values
  - 3.7.5.3 Social Trends
- 3.7.6 Environmental Justice
  - 3.7.6.1 Minority Populations
  - 3.7.6.2 Low-Income Populations

### 3.8 VISUAL RESOURCES

- 3.8.1 Introduction
- 3.8.2 Regulatory Framework
  - 3.8.2.1 USFS Federal Policy and Guidance: Visual Resource Management
    - 3.6.8.2.1.1 VQOs (manuals, process, etc for each)
    - 3.6.8.2.1.2 SIOs
    - 3.6.8.2.1.3 Wilderness
  - 3.8.2.2 Forest Plan Guidance
    - 3.6.8.2.2.1 Existing policy
    - 3.6.8.2.2.2 Future trends (i.e. current/upcoming Forest Plan process)
  - 3.8.2.3 Special Plans (Federal, State, Regional: i.e. Scenic Byways)
    - 3.6.8.2.3.1.1 Scenic Byway visual resource management
    - 3.6.8.2.3.1.2 Patagonia Scenic Byway Corridor Management Plan
- 3.8.3 Existing Landscape Character and Visual Resources (narrative)
  - 3.6.8.3.1.1 Landforms and landscape features
  - 3.6.8.3.1.2 Vegetation
  - 3.6.8.3.1.3 Color
  - 3.6.8.3.1.4 Textures
  - 3.6.8.3.1.5 Structures & land use
- 3.8.4 Viewsheds, View Corridors, and Sensitive Viewers
  - 3.6.8.4.1.1 Project Area
  - 3.6.8.4.1.2 Communities and Rural Development Areas
  - 3.6.8.4.1.3 Santa Rita Mountains
  - 3.6.8.4.1.4 Patagonia Scenic Byway
  - 3.6.8.4.1.5 Wilderness and wilderness study areas
- 3.8.5 Visual Resource Key Observation Points
  - 3.8.5.1 Description of key observation point process & objectives
  - 3.8.5.2 Selection/representation of key observation points

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3.8.6 Trends affecting visual resources

3.8.6.1 Forest management activities

3.8.6.2 Non-forest (i.e. Rural development)

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3.9 TRANSPORTATION/ACCESS

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3.9.1 Highways and Roads Description

3.9.1.1 U.S. Highways

3.9.1.2 Interstates

3.9.1.3 State Highways

3.9.1.4 County Roads

3.9.1.5 Forest Service Roads

3.9.1.6 Rosemont Mine Roads

3.9.1.7 Private Roads

3.9.2 Highway and Roads Usage

3.9.2.1 Traffic Volume/Counts

3.9.2.2 Roadway Capacity

3.9.2.3 Level of Service

3.9.2.4 Traffic Patterns

3.9.3 Commercial Transportations

3.9.3.1 Interstate Bus Service

3.9.3.2 Local Bus Service

3.9.3.3 Air Service

3.9.3.4 Railroads

3.10 RECREATION AND TOURISM

3.10.1 General Setting

3.10.2 Supply of Recreation Opportunities

3.10.2.1 Recreation Opportunity Spectrum

3.10.2.2 Recreation Places

3.10.3 Existing Use Levels and Trends

3.10.3.1 Forest Use

3.10.3.2 Resident Recreation

3.10.3.3 Tourism

3.10.3.4 Commercial Outfitter and Guide Use [if applicable]

3.11 LIVESTOCK AND GRAZING

3.11.1 Introduction

3.11.2 General Management Direction for Grazing on the CNF

3.11.3 Existing Rangeland Management and Conditions

3.12 LAND USE AND WILDERNESS

3.12.1 Land Status/Ownership

3.12.2 Land Use Plans

3.12.2.1 Forest Service

3.12.2.2 Arizona State Trust Lands

3.12.2.3 Bureau of Land Management

3.12.2.4 Pima County

3.12.3 Land Use

3.12.3.1 Mining

3.12.3.2 Utilities

3.12.3.3 Grazing

3.12.3.4 Recreation

3.12.3.5 Rural Living

3.12.4 Wilderness

3.12.4.1 General Description and Characterization

3.12.4.2 Visitation

3.12.4.3 Access

**3.13 NOISE**

3.13.1 Regulatory Framework

3.13.2 Thresholds of Significance

3.13.3 Ambient Conditions

3.13.4 Noise Receptors

3.13.5 Blasting Noise

3.13.6 Vehicles and Equipment

**3.14 OUTDOOR LIGHTING**

**3.14.1 [pending]**

**3.15 HAZARDOUS MATERIALS**

3.15.1 Petroleum Products

3.15.1.1 Gasoline, Diesel Fuel, and Kerosene

3.15.1.2 Lubricants and Solvents

3.15.2 Mine Processing Fluids and Reagents

3.15.2.1 Sulfuric Acid

3.15.2.2 SX/EW Electrolyte and Processing Reagents

3.15.3 Explosives

3.15.3.1 Ammonium Nitrate

3.15.3.2 Ammonium Nitrate-Fuel Oil Mixtures

3.15.4 Hazardous Waste Management and Disposal

3.15.5 Miscellaneous Chemicals

3.15.5.1 Laboratory Reagents

3.15.5.2 Cleaning Fluids

3.15.6 Transportation of Hazardous Materials

3.15.7 Storage of Hazardous Materials

**3.16 PUBLIC HEALTH AND SAFETY**

3.16.1 Flood Control

3.16.2 Geologic Hazards

3.16.2.1 Seismic Faults

3.16.2.2 Soil Composition

3.16.2.3 Subsidence

3.16.3 Hazardous Materials and Public Safety

3.16.4 Noise

3.16.5 Recreation Hazards

3.16.6 Traffic Safety

3.16.7 Trash Dumping

## **EIS Affected Environment**

1. Introduction
2. Regulatory Framework
  - a. USFS Federal Policy and Guidance: Visual Resource Management
    - i. VQOs (manuals, process, etc for each)
    - ii. SIOs
    - iii. Wilderness
  - b. Forest Plan Guidance
    - i. Existing policy
    - ii. Future trends (i.e. current/upcoming Forest Plan process)
  - c. Special Plans (Federal, State, Regional: i.e. Scenic Byways)
    - i. Scenic Byway visual resource management
    - ii. Patagonia Scenic Byway Corridor Management Plan
3. Existing Landscape Character and Visual Resources (narrative)
  - a. Landforms and landscape features
  - b. Vegetation
  - c. Color
  - d. Textures
  - e. Structures & land use
4. Viewsheds, View Corridors, and Sensitive Viewers
  - a. Project Area
  - b. Communities and Rural Development Areas
  - c. Santa Rita Mountains
  - d. Patagonia Scenic Byway
  - e. Wilderness and wilderness study areas
5. Visual Resource Key Observation Points
  - a. Description of key observation point process
  - b. Selection/representation of key observation points
6. Trends affecting visual resources
  - a. Forest management activities
  - b. Non-forest (i.e. Rural development)
  - c. ??
  - d.

## **Visual Technical Report**

1. Introduction/Executive Summary
  - a. Purpose of Specialist Report
  - b. Decision to Be Made
2. Proposed Action and Alternatives
3. Issue Summary and Potential Impacts to Visual Resources

- e. Visual Resources Issue Statement (synopsis from Scoping Report)
  - f. Internal scoping/ Agency analysis factors
  - g. Elements of visual resource management (design considerations)
  - h. Summary of Analysis parameters
7. Regulatory Framework
- a. USFS Federal Policy and Guidance: Visual Resource Management
    - i. VQOs (manuals, process, etc for each)
    - ii. SIOs
    - iii. Wilderness
  - b. Forest Plan Guidance
    - i. Existing policy
    - ii. Future trends (i.e. current/upcoming Forest Plan process)
  - c. Special Plans (Federal, State, Regional: i.e. Scenic Byways)
    - i. Scenic Byway visual resource management
    - ii. Patagonia Scenic Byway Corridor Management Plan
8. Affected Environment
- a. Existing Landscape Character and Visual Resources (narrative)
    - i. Landforms and landscape features
    - ii. Vegetation
    - iii. Color
    - iv. Textures
    - v. Structures & land use
  - b. Viewsheds, View Corridors, and Sensitive Viewers
    - i. Project Area
    - ii. Communities and Rural Development Areas
    - iii. Santa Rita Mountains
    - iv. Patagonia Scenic Byway
    - v. Wilderness and wilderness study areas
  - c. Visual Resource Key Observation Points
    - i. Description of key observation point process
    - ii. Selection/representation of key observation points
  - d. Trends affecting visual resources
    - i. Forest management activities
    - ii. Non-forest (i.e. Rural development)
    - iii. ??
9. Research- Parameters of Visual Resource Protection and Mitigation (Design Considerations)-
- a. Mine Reclamation- form, line, texture, massing, etc
  - b. Habitat Restoration-

- c. Etc
- 10. Assessment Methodology and Analysis Process
  - a. Methods
  - b. Data Sources
  - c. Field Inventory
  - d. Regulatory Framework and Forest Plan Evaluation
  - e. Viewshed Analysis using GIS
  - f. Key Observation Points and Viewshed Analysis/Documentation
  - g. Visual Contrast/Modification Analysis for VQOs/SIOs
  - h. Concern level analysis
- 11. Environmental Consequences
  - 1. Introduction
  - 2. Summary of Visual Issues
  - 3. Indicators and Agents of Change for Visual Resources
    - a. Change in modification level not consistent with Forest Plan goals
    - b. Changes requiring Forest Plan Amendment
    - c. Changes affecting Scenic Byway use
  - 4. Alternative 1
    - a. Direct
    - b. Indirect
    - c. Cumulative
  - 5. Alternative 2
    - a. Direct
    - b. Indirect
    - c. Cumulative
  - 6. Commitment of Irretrievable Resources
  - 7. Consistency with Forest Plan Objectives



"Marcie Bidwell"  
<mbidwell@swca.com>  
02/09/2010 04:58 PM

To "Marcie Bidwell" <mbidwell@swca.com>, "Kathy Arnold"  
<karnold@rosemontcopper.com>, "Debby Kriegel"  
<dkriegel@fs.fed.us>, "Tom Furgason"  
cc  
bcc

Subject Update Status of Progress RE: Visualization Coordination  
Meeting, Notes and Follow Up Questions

History: This message has been replied to.

Hello Debby, Kathy, Tom and David,

David and I discussed both of our questions and we offer the following as the answers for your approval/agreement:

- 1. Simulations by SWCA and Viewshed Analysis by Tetra Tech will use the same contours as base data so that the two tools are consistent and comparable for the analysis.**
- 2. Alternatives will all be shown as "raw" contours, rather than a mix of stages of engineering resolution. Thus the MPO and Phased Tailings will be shown as the un-smoothed versions, such as Figure 11 in the Reclamation (and not use the reclamation contours presented for the MPO in Figure 12 of the reclamation plan as asked below).**
- 3. SWCA will use the contours "as given" to us from Tetra Tech and show benches where designed in the "raw" format.**
- 4. Tetra Tech will provide SWCA with a sketch of stormwater runoff for "watershed design" and SWCA will use these sketches to approximate the location of stormwater channels. Tetra Tech will include notes where there are major go/no go changes in the stormwater planning (anticipated).**
- 5. For the SWCA simulations, reclamation will be generalized for all of the alternatives in a similar fashion.**

Thank you, (David, did I miss anything?)  
Marcie

**See notes in bold below to show specific answers to questions.**

---

**From:** Marcie Bidwell  
**Sent:** Wednesday, February 03, 2010 4:24 PM  
**To:** 'Kathy Arnold'; 'Debby Kriegel'; Tom Furgason; Carrasco, Joel; 'Krizek, David'; 'Keepers, Ashley'; Trent Reeder  
**Subject:** Visualization Coordination Meeting, Notes and Follow Up Questions

**MPO- Specific Questions-**

1. Please confirm **which presentation of the MPO grading** we should use for **vizualizations at Y10** is as presented in **Figure 9** of the Reclamation and Closure Plan (RCP). **SWCA will show benches as presented in Figure 9, but will use the updated contours as recently delivered by Tetra Tech.**
2. Please confirm **which presentation of the MPO grading** we should use for **visualizations at Y20** should be shown as **Figure 11** or **Figure 12** of the RCP. **Figure 11, without the final reclamation grading.**
3. Please indicate what the **geodatabase layer name** is that will have the **"composite of yearly reclamation areas"** in the data provided. **SWCA will not use this "composite" for the MPO as a detailed phasing diagram does not exist for each alternative. SWCA will generalize the reclamation as starting at the bottom and adding a new ring with each year (the yearly rings will not be super pronounced by YR10).**
4. SWCA understands that the MPO should show benches as the following: waste rock, as 100 ft running slopes for each bench and approximately 100ft wide road/bench surface; and tailings as 50 ft benches and running surface; the attached image shows the output from the MPO with benches as submitted. **Please confirm if this is what we should use for final grading. As stated above, grading will be used as delivered. Generally, these descriptions apply to each alternative, with some exceptions to be noted by Tetra Tech.**

Marcie Demmy Bidwell  
Environmental Planner  
130 Rock Point Drive, Suite A  
Durango, Colorado 81301  
Office: 970.385.8566  
Fax: 970.385.1938  
[www.swca.com](http://www.swca.com)

Debby Kriegel/R3/USDAFS  
06/28/2010 10:06 AM

To "Marcie Bidwell" <mbidwell@swca.com>  
cc Debby Kriegel/R3/USDAFS@FSNOTES  
bcc  
Subject Re: Review of Draft Simulation - MPO 10YR KOP 2 

Marcie,

I printed out the simulation. Excellent work, and should be a good starting point for discussions, etc.

I have a few questions/suggestions:

1. I don't see any benches or vegetation on the south end of the waste rock. Is that because this area is farther away and/or the benches are so small?
2. As you proceed with simulations, please include a title on each (MPO Year 10, KOP 2, date), any needed disclaimers (draft, no drop structures shown, assumed tree growth 1'/year, etc.), and label the major features (pit, waste rock, heap, perimeter buttress, tailings).
3. The colors on the various elements are really different. I know that the pit is very light color, so that looks fine to me. The heap and south waste rock are darker and redder, and the buttress and tailings are lighter. How did you figure out which colors to use? Or are these just starting point colors that you can tweak after Rosemont provides the core sample photos?
4. I'm sending you a draft document with some revegetation assumptions by our soils/water/air/forestry person (separate email). Look it over briefly and see whether your simulation assumptions are similar.

Thanks!!!

~~~~~  
Debby Kriegel, RLA
Landscape Architect
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8427
Fax (520) 388-8305
www.fs.fed.us/r3/coronado/
dkriegel@fs.fed.us

"Marcie Bidwell" <mbidwell@swca.com>



"Marcie Bidwell"
<mbidwell@swca.com>
06/25/2010 11:40 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc
Subject Review of MPO 10YR KOP 2

Debby,

Please review and let me know your thoughts~

Thanks!

Marcie

<<Alt2_KOP2_Year10_100602.jpg>>

Marcie Demmy Bidwell

Environmental Planner

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Durango, Colorado 81301

Office: 970.385.8566

Fax: 970.385.1938

www.swca.com [attachment "Alt2_KOP2_Year10_100602.jpg" deleted by Debby Kriegel/R3/USDAFS]



"Terry Chute"
<tjchute@msn.com>
07/30/2010 03:09 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc
bcc

Subject Re: Rosemont DEIS - Visual Quality - Affected Environment
Review

History:  This message has been replied to.

Debby,

I took a quick look at the Chapter 3 Affected Environment for visuals that you sent me, and here are my comments. You'll see a couple things: (1) we are trying to minimize the number of acronyms we use, so I asked that many of the ones in this section be spelled out. The amount of acronyms throughout the document is overwhelming for the reader; (2) I need to step back and look at the Chapter 3 outline, and I have not done that yet. I'm not sure it flows very well, and as you noted some sections seem out of place given a first overview.

My overall impression is that this is pretty good. We are pretty heavy to technical specific of the various analysis methods (VHS, SMS, and the BLM method), and that kind of overwhelms the description of the existing condition of the project area. You might want to look for opportunities to summarize the analysis methods and put more details in the supporting documentation, with references in the DEIS. Of course, the reader needs enough in the text of the EIS to understand the effects we are describing in the Effects Analysis. I cannot make that judgment until I see the whole thing together, so at this point use your best judgment.

You also sent along document titled "Trend Information" - I did not get a chance to look at it closely, and I am wondering what the intended use of this document is. I also did not have a chance to look the figures over.

Thanks for all your hard work. We can talk about this next Tuesday if you have questions/concerns. Have a great weekend.....Terry

From: [Debby Kriegel](#)

Sent: Tuesday, July 27, 2010 1:16 PM

To: [Ruth Doyle](#) ; tjchute@msn.com

Cc: [Debby Kriegel](#)

Subject: Rosemont DEIS - Visual Quality - Affected Environment Review

Here are my comments and some references (per a comment I made in the text). The figures are attached to Marcie's email message below.

Ruth: Can you add your comments to this marked-up version, or is it too messy?

Terry: As your time permits, I'd appreciate you giving this a quick review for general flow, consistency with other resources, red flags, etc.

Thanks.

----- Forwarded by Debby Kriegel/R3/USDAFS on 07/27/2010 12:08 PM -----

"Marcie Bidwell" <mbidwell@swca.com>

To "Marcie Bidwell" <mbidwell@swca.com>, "Debby Kriegel" <dkriegel@fs.fed.us>, "David Harris" <dharris@swca.com>

07/26/2010 04:07 PM

cc
Subject: Figures and updated text
t

Hello Debby,

Here are the figures and an updated document.

I think you are right that perhaps you should review it and then have RO review it, rather than do them simultaneously. This would still keep the RO review moving, and more likely make sure that you approve of the product before it goes to them.

<<Figures_draft 2010-07-26.pdf>> <<Rosemont Ch 3_Draft AE_2010-07-26.doc>>
Eventually, when this goes to editing, the figures will be inserted in the text as part of 3.9 or as an appendix.

I can discuss this with you tomorrow, how about 1:00 AZ time?

Thank you,
Marcie

Marcie Demmy Bidwell

Environmental Planner

130 Rock Point Drive, Suite A

Durango, Colorado 81301

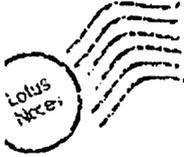
Office: 970.385.8566

Fax: 970.385.1938

www.swca.com[attachment "Rosemont Ch 3_Draft AE_2010-07-26.doc" deleted by Debby



Kriegel/R3/USDAFS] Rosemont_Ch_3_Draft_EA_2010_07_30_Chute edits.doc



Beverley A
 Everson/R3/USDAFS
 02/09/2010 05:19 PM

To "Marcie Bidwell" <mbidwell@swca.com>
 cc "Dale Ortman PE" <daleortmanpe@live.com>, "Debby Kriegel" <dkriegel@fs.fed.us>, "Kathy Arnold" <karnold@rosemontcopper.com>, "Tom Furgason"
 bcc
 Subject Re: Follow up request for Reclamation photography

Marcie,

I received some CDs from some of the field trip participants, but I'm pretty sure that there were a lot of photos that I did not get copies of. I have not made a library out of the pictures, or otherwise organized them.

I think that the quickest way to get the pictures from those of you that were on field trips (all those cc'd in this email) to Marcie is for all of you to provide her with any pictures you have that you think would respond to her request.

I'll check to see what photos I have that would be helpful to you, Marcie.

Bev

Beverley A. Everson
 Forest Geologist
 Coronado National Forest
 300 W. Congress Street, 6th Floor
 Tucson, AZ. 85701

Voice: 520-388-8428
 Fax: 520-388-8305

"Marcie Bidwell" <mbidwell@swca.com>
 To "Beverley A Everson" <beverson@fs.fed.us>, "Debby Kriegel" <dkriegel@fs.fed.us>, "Kathy Arnold" <karnold@rosemontcopper.com>, "Tom Furgason" <tfurgason@swca.com>, "Debby Kriegel" <dkriegel@fs.fed.us>, "Dale Ortman PE" <daleortmanpe@live.com>
 cc
 Subject Follow up request for Reclamation photography
 t

Hello Bev and Debby,

I understand from Tom that Bev collected the images of the mine tours from everyone's personal cameras and then built a common library of images.

I am looking for good reference images of reclaimed sites that will show vegetation patterns (both

intentional and volunteer). Additionally, we could use some images of mining facilities, as a few of the simulation views will have straight views into the pit and mine works.

Bev, Would there be any good ones in the files that you created/shared with everybody?

I would prefer to receive these as digital files, and we can save the USFS images on the Web Ex for convenient sharing.

Thank you for your assistance!

Marcie

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"Marcie Bidwell"
<mbidwell@swca.com>
10/27/2009 12:15 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc
bcc
Subject RE: Rosemont Bounds of Analysis for Visual Resources

Debby,

Sorry I missed you on Friday, still trying to exhale!

Wow, lots to digest in there. Lets try to catch up this afternoon. In meetings until 3:30 or so AZ time.

Looking forward to learning what I missed.
Marcie

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Wednesday, October 21, 2009 3:26 PM
To: Marcie Bidwell
Cc: Debby Kriegel
Subject: Rosemont Bounds of Analysis for Visual Resources

Hi Marcie,

Welcome back. Hope you had a fun trip to Yosemite and got some good weather!!

I'm not sure how to stick with entirely political boundaries unless we make it a huge area (i.e., include all counties where the project might be visible from). Since this is for visual resources, it'd be great to use entirely viewshed boundaries. At some distance, the visual effects are so far away that they're a moot point. On the Coronado there is a single telescope building on a mountaintop that can be seen from 40+ miles away, so for a mine the size of Rosemont, we'd want to go farther than that. I'd guess that mountains will block the views NW of the Tucson valley, but it'd be nice to verify that. I also don't want you (or Trent) to spend hours and hours on this, unless you think it's important. I do think we need to minimally extend the boundary east to the top of the Whetstones. One additional option would be to forget political boundaries and mountains, and just draw a big rectangle around the whole area we'll be looking at further. That's sort of what some resources did. The north boundary could still follow the Pima County line, south boundary would still be Mexico, east boundary would be just east of the Whetstones, and west boundary just beyond the mountain range that the current boundary line follows. What do you recommend?

Also wanted to let you know that I called Horst Schor (the author of Landforming) and discussed the Rosemont project with him and whether he might be able to help with landforming primarily for visual quality and hydrology, as we move toward refining alternatives. He has a consulting business which specializes in geomorphic restoration and revegetation, and he told me that his personal mission in life is to "scar up less of the earth's surface." He has 30 years experience in this work, his background includes civil engineering, environmental studies, geotech, and urban planning. He's worked on hard rock mines, including a molybdenum mine in New Mexico with 1000' high tailings dumps and immediately had some ideas for reshaping Rosemont's waste piles. He's worked with numerous government agencies, the public, landscape architects, and others. He has a truly unique set of skills, and I have recommended to our folks that we get him involved in Rosemont. Assuming we find money for him, your work wouldn't really change...we'd just add Horst to the mix. I asked Horst to provide a proposal for an initial visit to Tucson and the project site, and Mindee is going to ask Rosemont to fund this. Alternately, he could

probably be added to the MOU (maybe even as a subconsultant to SWCA?). What do you think?

I'm sure you're just catching your breath, and I'm out in the field all day tomorrow. Maybe we can talk on Friday?

Debby

"Marcie Bidwell" <mblidwell@swca.com>

10/21/2009 12:29 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Walter Keyes" <wkeyes@fs.fed.us>
cc
Subject RE: Rosemont Bounds of Analysis

Debby,

We can and if so, should do so soon.

Brainstorming options:

1. use all political boundaries
2. use a viewshed analysis to generate the polygons, but how does one pick the alternative to decide what is visible from where? The viewsheds are huge running up towards Tucson proper?

Its kind of hard, unless we cut it off somewhere.....

Just off the cuff thinking....

Marcie

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]

Sent: Wednesday, October 21, 2009 1:17 PM

To: Walter Keyes; Marcie Bidwell

Cc: Debby Kriegel

Subject: Fw: Rosemont Bounds of Analysis

I just briefly looked at each of these (which is very interesting), and I had a couple of thoughts:

Walt: Shouldn't the transportation Bounds include the mine's access road (and/or forest roads between 83 and the mine)?

Marcie: The SW edge of the Bounds for visual resources follows a ridgeline, but the other boundaries are political. This bothers me a bit, especially where the eastern Pima County line cuts off on the west flank of the Whetstone mountains. The project will easily be visible from there, but the ridge is in Cochise County.

Can we revisit this sometime soon?

Thanks.

----- Forwarded by Debby Kriegel/R3/USDAFS on 10/21/2009 12:11 PM -----

Melissa Reichard
<mreichard@swca.com>
Sent by:
rosemonteis
<notify@weboffice.com>

To Tom Furgason <tfurgason@swca.com>, Tami Emmett <temmett@fs.fed.us>, Reta Laford <rlaford@fs.fed.us>, Larry Jones <ljones02@fs.fed.us>, Sarah Davis <sdavis@fs.fed.us>, Debby Kriegel <dkriegel@fs.fed.us>, Beverly Everson <beverson@fs.fed.us>, Art Elek <aelek@fs.fed.us>, Teresa Ann Ciapuscini <tciapuscini@fs.fed.us>, Deborah Sebesta <dsebesta@fs.fed.us>, Kendall Brown <kbrown03@fs.fed.us>, Salek Shafiqullah <sshafiqullah@fs.fed.us>, George McKay <gmckay@fs.fed.us>, Eli Curiel <ecuriel@fs.fed.us>, Mary Farrell <mfarrell@fs.fed.us>, Robert LeFevre <rlefevre@fs.fed.us>, Mindee Roth <mroth@fs.fed.us>, William Gillespie <wgillespie@fs.fed.us>

10/14/2009 03:48 PM

cc Melissa Reichard <mreichard@swca.com>
Subjec Rosemont Bounds of Analysis

Some of you mentioned in today's meeting that you hadn't seen these. So, I have uploaded the new drafts of the bounds of analysis maps. The only changes that were made were ones for the resources that depended on project footprint. Those were reconfigured to include the project areas of the alternatives.

Any further question should be directed to Bev or Tom.

I hope this helps!

Thanks!

Mel

<<https://rosemonteis.webexone.com/r.asp?a=12&id=25518>>



"Marcie Bidwell"
<mbidwell@swca.com>
02/24/2010 12:18 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Chelsa Johnson"
<cjohnson@epgaz.com>

cc

bcc

Subject Review of images, alternatives and CLs

Hello Debby,

I worked with Chelsa today to review the images proposed for simulations.

I am thinking with about 85% certainty that the views EPG/FS have selected will not involve views of the alternatives, but I recommend that the USFS forward the GIS layers for google earth 3D files and footprints of the alternatives to EPG to determine that for sure.

Additionally, I mentioned to Chelsa that you had forwarded new CLs and that she would want to obtain those from the USFS as well. She has used those in her analysis to determine sensitive viewers and sensitive areas.

Finally, Chelsa and I discussed that EPG is evaluating the siting of the transmission line and that for their purposes the mine and its associated workings (including the waterline) will be considered "existing conditions" as if there is no mine, there would be no line. This is mostly for your information, (nothing to decide here unless you have comments). The EIS should cover the ancillary facilities, as I understand it.

Please forward (1) CLs and (2) the alternatives GIS files to Chelsa, if its appropriate.

Thanks,
Marcie

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Debby Kriegel/R3/USDAFS
04/13/2010 12:27 PM

To "Marcie Bidwell" <mbidwell@swca.com>
cc Debby Kriegel/R3/USDAFS@FSNOTES
bcc
Subject Re: FW: Line of Sight for Duval Overpass Road KOP (old KOP 2, new KOP 10) 

This is very helpful. The overall style is good, but it brings up some additional thoughts and questions...

1. Someone could ask whether visibility from one point confirms that there is no part of the project that is visible from anywhere on the west side. For example, the existing mountain ridge is lower in some areas (such as Gunsight Pass and Box Canyon) and the project is taller in others (such as the south end of the waste/tails pile). How difficult would it be to convert Interstate-19 to points (every 1/2 mile or so) and run visibility for the whole thing?
2. If both the plan and elevation are used together (i.e., if the I-19 idea above isn't possible), it would be nice if they used the same color for "visible". But since they overlap on the plan view, they would have to be somewhat different colors to show up (like light/dark pink or light/dark green). Or minimally, make the pit outline a different color (like blue) so it's not the same color as "not visible" on the elevation.
3. What is the blue dot?
4. Edit the legend to read "Tailings and Waste Rock" and "Visible Areas" (instead of "Tailings" and "Viewshed").

Thanks!

"Marcie Bidwell" <mbidwell@swca.com>



"Marcie Bidwell"
<mbidwell@swca.com>
04/13/2010 11:48 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc
Subject FW: Line of Sight for Duval Overpass Road KOP (old KOP 2, new KOP 10)

Debby,

Mike and I have been working on outputs for the non-visible diagrams that we can do from GIS and how to show them graphically.

We discussed several options- herre is one that combines the viewshed analysis (showing nothing visible on the east side of the ridge for MPO) and the line of sight process that Trent has shown us earlier.

The map and graphics are still rough, but I was curious if this is the type of information that you were looking for for these KOPs.

Thanks for the comments,

Marcie

From: Michael Andres
Sent: Tuesday, April 13, 2010 12:38 PM
To: Marcie Bidwell
Subject: Line of Sight

Mike Andres

GIS Specialist

SWCA Environmental Consultants

130 Rock Point Drive, Suite A

Durango, Colorado 81301

970.385.8566 (Office)

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mandres@swca.com

[attachment "11204_Line_of_Sight_ALT_2.pdf" deleted by Debby Kriegel/R3/USDAFS]



Melinda D Roth/R3/USDAFS
11/13/2009 12:37 PM

To Debby Kriegel/R3/USDAFS@FSNOTES
cc Beverley A Everson/R3/USDAFS@FSNOTES, Debby
Kriegel/R3/USDAFS@FSNOTES
bcc
Subject Re: Horst Schor's Initial Visit

You have my go ahead. Tom is also looking to engage an engineer with years of experience regarding erosion, sedimentation, and stability issues. Ask him also about George Annandale.

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

Debby Kriegel/R3/USDAFS

Debby Kriegel/R3/USDAFS
11/13/2009 12:14 PM

To Beverley A Everson/R3/USDAFS@FSNOTES, Melinda D
Roth/R3/USDAFS@FSNOTES
cc Debby Kriegel/R3/USDAFS@FSNOTES
Subject Horst Schor's Initial Visit

Horst was able to get liability insurance, and Tom is proceeding with a contract and setting up dates (possibly Dec 2-4).

In the mean time...

1. Horst's proposal below lists a number of maps and reports that he would like to have available on the first day, and most of these I don't have. Can I ask SWCA to pull these items together?
2. Horst also mentions 4 topics to discuss. Much of this is similar to the presentation Tom did recently for the Regional Leadership Team. Can I ask Tom to make a presentation on the first day?

— Forwarded by Debby Kriegel/R3/USDAFS on 11/13/2009 11:47 AM —



Melinda D Roth/R3/USDAFS
10/27/2009 04:33 PM

To Debby Kriegel/R3/USDAFS@FSNOTES
cc
Subject Re: Fw: Rosemont Mine - Landforming Expert

Rosemont has agreed to fund this proposal. SWCA will take the lead to contract Horst's services. A couple of Rosemont people would like to be included in the 3-day review and discussion and could both add to and learn from the discussion. I'll ask Tom at SWCA to keep you tightly in the loop.

Mindee Roth
Coronado National Forest
300 W. Congress, FB42

Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

Debby Kriegel/R3/USDAFS

Debby Kriegel/R3/USDAFS

10/21/2009 12:18 PM

To Melinda D Roth/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES

cc

Subject Fw: Rosemont Mine - Landforming Expert

Can you provide an answer to this question?

----- Forwarded by Debby Kriegel/R3/USDAFS on 10/21/2009 12:18 PM -----



Jeanine Derby/R3/USDAFS

10/13/2009 11:10 AM

To Debby Kriegel/R3/USDAFS@FSNOTES

cc Beverley A Everson/R3/USDAFS@FSNOTES, Francisco
Valenzuela/WO/USDAFS@FSNOTES, Kent C
Ellett/R3/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES, Roger D
Congdon/R3/USDAFS@FSNOTES, Salek
Shafiqullah/R3/USDAFS@FSNOTES, Robert
Cordts/R3/USDAFS@FSNOTES

Subject Re: Rosemont Mine - Landforming Expert

An assessment (costing \$7500), could provide a useful comparison with what the company proposes for landform shaping as part of reclamation in their mitigated POA. That seems like a reasonable expenditure, does our MOU allow spending Rosemont \$ for that?. We might want a follow-up cost estimate that addresses all alternatives. Then the challenge becomes, who pays for that. (I added Bob Cordts to the mailing list, representing minerals.)

Jeanine Derby, Forest Supervisor
Coronado National Forest
phone: 520 388-8306
FAX: 520 388-8305
Debby Kriegel/R3/USDAFS

Debby Kriegel/R3/USDAFS

10/13/2009 07:35 AM

To Jeanine Derby/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES, Salek
Shafiqullah/R3/USDAFS@FSNOTES, Francisco
Valenzuela/WO/USDAFS@FSNOTES, Roger D
Congdon/R3/USDAFS@FSNOTES, Kent C
Ellett/R3/USDAFS@FSNOTES

cc

Subject Rosemont Mine - Landforming Expert

I learned of Horst Schor after reading his book "Landforming", which describes how to re-contour man-made landscapes to restore natural hydrology and mimic the surrounding landscape.

Last week I called him to discuss whether he might be able to help with the Rosemont project. He has a consulting business which specializes in geomorphic restoration and revegetation, and he told me that his personal mission in life is to "scar up less of the earth's surface." He has 30 years experience in this work, his background includes civil engineering, environmental studies, geotech, and urban planning. He's worked on hard rock mines, including a molybdenum mine in New Mexico with 1000' high tailings dumps. He's worked with numerous government agencies, the EPA, the public, and others.

He has a truly unique set of skills, and I recommend that we get him involved in Rosemont immediately. The land forms associated with Rosemont are an integral part of the alternatives that will be fleshed out soon, so his input would be timely. Landform shaping is not mitigation; it effect the footprints of alternatives, hydrology, how tailings would be placed, etc.

It is clear that the Forest Service, SWCA, and Rosemont do not have the skills necessary to do this type of work. We need help.

I asked Horst to provide a resume and a proposal for an initial visit to Tucson and the project site. See his message and attachments below.

How can we make this happen?

----- Forwarded by Debby Kriegel/R3/USDAFS on 10/13/2009 06:57 AM -----



"Horst" <hjschor@jps.net>

10/12/2009 08:34 AM

To ""Debby Kriegel"" <dkriegel@fs.fed.us>

cc

Subject Rosemont Copper Project

Dear Debby,

I have reviewed some of the essential components of the data concerning the above referenced project you submitted to me and have the following general observations to make:

It is obvious that the proposal as outlined will represent a radical and permanent alteration of the of the entire geomorphology, hydrology and vegetative cover of the area – all of which will of course have a direct impact on the visual quality. Not only will the site that is directly impacted by the massive, proposed fill structure be effected, but also the surrounding landscape, in particular the land downstream.

Diversions and concentration of flows in large (hardened?) channels will destroy the surrounding downstream runoff patterns thereby damaging the plant life it once supported. This is particularly critical in sparse rainfall regimes such as yours.

The proposed monolithic dump structure is clearly devoid of any natural topographic features or natural analogs characteristic of the local landscape and purely designed for efficient excavation, hauling and placement. The design plan developed appears fairly refined and advanced and probably in the mind of the future operator meets his ultimate business plan.

Because of the magnitude of this proposal the challenge will clearly be how to develop a more environmentally responsible and responsive reclamation and restoration plan that will also meet the operational needs of the mine proponent.

However – if there is the will - there is also a way. An “engineered” fill structure with all the characteristics of the conventional, traditional approach to reclamation design is neither the best nor the only alternative available in today’s world. Short term efficiency must be weighed against **long term** impact and performance.

I am of the belief that future generations deserve better from us and that we have a responsibility to leave a more environmentally concerned legacy behind after we extract the “valuables” from the earth.

Debby, attached you will find my Resume/Biography and the Draft Proposal.

Please do call me after you have reviewed this and let me know if there are any questions.

Best regards,

Horst



Biography-Resume for Rosemont Copper Project in Arizona.doc Draft proposal for Rosemont Copper Project in Arizona.doc

HORST J. SCHOR RESUME/BIOGRAPHY

Mr. Schor's professional career spans more than 30 years and has included civil engineering and land planning for, and the management of the development of large scale hillside mixed use Planned Communities in southern California, i.e. Anaheim Hills 4,300 acres and Talega, 3,000 acres both in the County of Orange. During this time he developed his Landform Grading and Revegetation Concept to replicate natural slope and landforms as a means to mitigate for natural topography and landscape destroyed by human activities or natural processes.

Since 1991 he has been an independent consultant to private and public entities specializing in Land Development Projects and in Landform/Geomorphic Creation or Restoration Projects for various private clients and public entities, such as The City of Los Angeles Department of Water and Power, The United States Environmental Protection Agency, Syncrude Oil of Alberta, Canada, the State of Kentucky EPA, the Virginia Department of Mines, Minerals and Energy, the State of New Mexico Land Office, Chevron Mining Corporation and the Navajo EPA Water Quality Division.

In 1999 he was appointed by the United States Environmental Protection Agency to a six member panel of experts as a landform/geomorphic restoration specialist to develop improvements in the mining reclamation process in the mountain top removal/valley fill of coal mining in the Appalachian Mountains. He also participated in numerous forums conducted by OSM (Office of Surface Mining), EPA, Mining Engineers Panels, and others.

He has provided mine reclamation consulting in diverse locations including the oil sands operations at Fort McMurray in Northern Alberta, Canada, coal mining in the Appalachian Mountains and on the Navajo Reservation, and most recently, in northern New Mexico on a large molybdenum mine.

He holds degrees in Civil Engineering and Land Surveying and in Geography with a specialization in Urban Planning. He is a member of the American Society of Civil Engineers.

Articles on his "*Landform Grading and Revegetation*" concept have been published by the American Society of Civil Engineers Geotechnical Journal, the Urban Land Institute, Landscape Architect and Specifier News, the Los Angeles Times and others. He has also received an Award of Merit from the American Planning Association for his concepts.

Mr. Schor has regularly presented his concepts as a guest lecturer at the University of Wisconsin College of Engineering, the University of California at Irvine and also, at the invitation of the University of Dresden's, (Germany) School of Landscape Architecture.

In 2007 John Wiley & Sons, Inc. published his book entitled "*Landforming; an Environmental Approach to Hillside Development, Mine Reclamation and Watershed Restoration.*"

HORST J. SCHOR
DRAFT PROPOSAL FOR INITIAL CONSULTING ASSIGNMENT
ROSEMONT COPPER PROJECT

October 12, 2009

Three day trip to Tucson and the project site consisting of:

1. First day – **am** flight in - **pm** introductory meeting and initial review of plans and documents.
2. Second day – all day office meetings and field trip to site.
3. Third day – **am** follow up meetings and discussions, **pm** return flight

While there, I would like to review any full size plans available including maps of the existing topography and hydrology, aerial photos, mine grading and drainage plans and proposals, available geologic and soils maps and any geotechnical reports and findings, EIS documents as well as anything else that would help me formulate a picture of the situation and to arrive at possible alternative approach concepts to it.

I would to also like to be informed of the following:

1. A brief history of events that led to the current stage
2. The mine proponent's position regarding his proposal
3. A summary of the various inputs both pro and con that have been received so far
4. The local, regional, state and federal agency positions and **politics** of this proposed project

I am estimating the cost to be as follows:

Three days consulting: 3 days x 8 hours x \$250/hr = \$6,000

Travel expenses =\$1,500

Total estimated proposal.....=**\$7,500**

The travel expense estimate is based upon a round trip flight from Orange County to Tucson, two nights accommodation in Tucson, three days car rental and gas, three days meals.



Kathy Arnold
<karnold@rosemontcopper.com>

08/14/2009 08:00 AM

To Debby Kriegel <dkriegel@fs.fed.us>

cc

bcc

Subject RE: Soil Tech rock staining products/msds sheets

History:

✉ This message has been forwarded.

I thought that would be a perfect way to handle it – Thank you.

Kathy Arnold | Director of Environmental and Regulatory Affairs
Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724
karnold@rosemontcopper.com



Rosemont Copper Company
P.O. Box 35130 | Tucson, AZ 85740-5130
3031 West Ina Road | Tucson, AZ 85741 | www.rosemontcopper.com

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From: Debby Kriegel [<mailto:dkriegel@fs.fed.us>]
Sent: Friday, August 14, 2009 7:49 AM
To: Kathy Arnold
Subject: RE: Soil Tech rock staining products/msds sheets

Kathy: I'll discuss these concerns with the Permeon rep at today's meeting. Thanks. Debby

Kathy Arnold
<karnold@rosemontcopper.com>

To Beverley A Everson <beverson@fs.fed.us>

cc Debby Kriegel <dkriegel@fs.fed.us>, Holly Lawson <hlawson@rosemontcopper.com>,

Jamie Sturgess <jsturgess@augustaresource.com>

08/13/2009 05:11 PM

Subject RE: Soil Tech rock staining products/msds sheets

t

Bev –

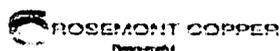
Right now I think that you will see Jeff Cornoyer, Dennis Fischer, and Holly Lawson from Rosemont. I believe that David Krizek and possibly one person from Sage also plan to attend although I am not in a position to confirm that.

We may have a site that could be used to test the product however, Debbie asked if I needed additional information and I have not had an opportunity to get back to her and tell her yes that I do before we can allow this

to be sprayed on our lands. The MSDS information is out of date – MSHA regulations require we have MSDS's available for our people that are no more than 1 year old and the one provided was over 5 years old. The attached letters that had environmental information did not have the laboratory sheets attached so it was impossible to tell the levels of manganese that the product added to stormwater in the testing. I am also concerned with the quality of the MSDS – there is no way to tell without extensive laboratory profiling what the waste management requirements for unused product will be. We need additional information before I can approve it for use.

Thanks –
Kathy

Kathy Arnold | Director of Environmental and Regulatory Affairs
Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724
karnold@rosemontcopper.com



Rosemont Copper Company
P.O. Box 35130 | Tucson, AZ 85740-5130
3031 West Ina Road | Tucson, AZ 85741 | www.rosemontcopper.com

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From: Beverley A Everson [mailto:beverson@fs.fed.us]
Sent: Thursday, August 13, 2009 11:39 AM
To: Kathy Arnold; Debby Kriegel
Subject: Re: Soil Tech rock staining products/msds sheets

Hi Kathy,

Can you tell me for sure what Rosemont staff will be at the meeting? More importantly, are there any field test areas that you can suggest?

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

Kathy Arnold <karnold@rosemontcopper.com>

08/06/2009 05:26 PM

To: "beverson@fs.fed.us" <beverson@fs.fed.us>

cc
SubjectRe: Soil Tech rock staining products/msds sheets

Thanks!
Kathy Arnold
Director Environmental & Regulatory Affairs
Rosemont Copper Company
P.O. Box 35310
Tucson, AZ 85740

Cell 520-784-1973
Phone 520-297-7723

From: Beverley A Everson <beverson@fs.fed.us>
To: Debby Kriegel <dkriegel@fs.fed.us>; Kathy Arnold; Jamie Sturgess
Sent: Thu Aug 06 19:01:28 2009
Subject: Soil Tech rock staining products/msds sheets

Debby,

One of the areas that Rosemont is considering using for test staining next week is in their revegetation test plot areas, where they are transplanting the plants grown in U of A's Extension College nurseries. Kathy Arnold today expressed concern that the staining may interfere with the test conditions and the U of A research. Can you please ask Soil Tech for MSDS sheets for Permeon and Plastex?

Thanks.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305



Melinda D Roth/R3/USDAFS
08/24/2010 01:01 PM

To Debby Kriegel/R3/USDAFS@FSNOTES
cc Beverley A Everson/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, mbidwell@swca.com, tfurgason@swca.com, tjchute@msn.com
bcc
Subject Re: Rosemont Chapter 2 comments (and EIS organization) 

I haven't looked at your detailed comments yet. I do notice you reviewed a much earlier version of Chapter 2. I suspect many of your concerns/findings have been corrected. Terry and SWCA are nearing completion of a draft Chapter 2 ready for internal and external review soon.

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

Debby Kriegel/R3/USDAFS

Debby Kriegel/R3/USDAFS
08/24/2010 12:40 PM

To tjchute@msn.com, Melinda D Roth/R3/USDAFS@FSNOTES, tfurgason@swca.com
cc Beverley A Everson/R3/USDAFS@FSNOTES, mbidwell@swca.com, Debby Kriegel/R3/USDAFS@FSNOTES
Subject Rosemont Chapter 2 comments (and EIS organization)

A week or two ago, I had a phone conversation with Marcie Bidwell. Normally in a NEPA document/process, there is a proposal, and then alternatives to the proposal (no action and other actions). Marcie and I had different understandings of whether Rosemont's EIS would be organized this way.

After scanning chapter 2, I'm still confused. I also immediately noticed some typos, inconsistencies, and more:

- The first heading reads "Alternatives, Including the Proposed Action". Is the proposed action really an alternative? If so, what is everything an alternative to?
- On page 2, there is a list of "Alternatives Considered in Detail", which lists No Action, Barrel-Mcleary (misspelled), Upper Barrel Only (I thought we dropped the word "Upper" a long time ago), and Scholefield-McCleary (I thought we dropped the word McCleary, now that waste rock will not be placed in McCleary creek).
- I have many comments on the Visual Quality, Recreation, and Reclamation sections (see attached).

[attachment "Chapter_2_Comments_Kriegel_082410.docx" deleted by Melinda D Roth/R3/USDAFS]

----- Forwarded by Debby Kriegel/R3/USDAFS on 08/24/2010 12:02 PM -----



Beverley A
Everson/R3/USDAFS
08/24/2010 10:50 AM

To Debby Kriegel/R3/USDAFS@FSNOTES
cc



As promised.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

Debby Kriegel/R3/USDAFS
01/15/2010 01:07 PM

To "Tom Furgason" <tfurgason@swca.com>
cc Debby Kriegel/R3/USDAFS@FSNOTES
bcc
Subject Re: Rosemont Recreation SOW.doc 

Tom,

This scope of work needs the following:

1. Include all of the tasks I asked for on my November 10 list. Many are missing.
2. Include more than one field visit if needed to complete all tasks (didn't you say 2 or 3 trips were funded?).
3. Add planned dates for each task. I would especially like to know what Steve intends to complete before the DEIS.

~~~~~  
Debby Kriegel, RLA  
Landscape Architect  
Coronado National Forest  
300 W. Congress  
Tucson, AZ 85701  
(520) 388-8427  
Fax (520) 388-8305  
[www.fs.fed.us/r3/coronado/](http://www.fs.fed.us/r3/coronado/)  
[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)

"Tom Furgason" <tfurgason@swca.com>



"Tom Furgason"  
<tfurgason@swca.com>  
01/15/2010 09:50 AM

To <dkriegel@fs.fed.us>  
cc "Marcie Bidwell" <mbidwell@swca.com>  
Subject Rosemont Recreation SOW.doc

Debby,

Attached is Steve's portion of the SOW for Recreation.



Tom Rosemont Recreation SOW.doc

## **Task X. Recreation**

During the Rosemont EIS revision process, SWCA will complete the following actions to address critical data gaps related to recreation issues as identified by the Forest Service:

- Field trip to visit the major recreation sites in the area.
- Review background documents and information as requested by Debby Kriegel in order to better characterize recreation resources in the area of analysis:
  - Research recreation special use permittees in the Rosemont area that may be affected by the mine. Contact Duane Bennett to discuss further.
  - Follow up on the status of revision of Tetra Tech report “State Route (SR) 83 Scenic Road Evaluation for Rosemont”. On September 14, 2009, Debby provided comments to Rosemont. Contact the Arizona Department of Transportation (ADOT) Scenic Roads Program staff to discuss the mine and determine whether the scenic road status would change.
- Respond to FS comments on preliminary draft EIS
- Prepare revised Draft Affected Environment for recreation that includes the following (Include appropriate graphics, maps, photos, charts/figures, etc):
  - Affected environment. Include relevant information from above items.
    - Will need maps to show the following (can be combined where possible)
      - Recreation Opportunity Spectrum
      - Roadless Areas
      - Arizona Trail
      - Recreation Sites
      - OHV Trails
      - Hiking Trails
  - Environmental consequences analysis for the proposed action and each alternative. Include analysis of all mine impacts: pit, plant, waste rock and tailings piles, roads (including lost access, traffic, litter, etc.), power and water lines, displaced recreation, etc. Use information from site visits, research, and reviews above. Consider impacts during the active mine life and post-mine. Reference appropriate visual simulations. Utilize both qualitative (descriptive) and quantitative (acres of ROS, miles of road, miles of trail, number of rec sites lost, etc.) analysis.
    - Will need GIS analysis as follows for each of the alternatives
      - Calculate acres removed from each Recreation Opportunity Spectrum under alternatives
      - Quantify roads and trails that are lost or cut-off by project area disturbance
      - Calculate total miles of road and trail lost
      - Calculate trailheads, ATV loading and unloading areas, and other recreation sites lost
      - Calculate how much, if any, of the Arizona Trail would be intersected

- Compare alternative haulage routes with recreation access in the area of analysis
- Compare alternative project footprints with the two annual recreation event permits off Gardner Canyon Road as well as any other special recreation permitted events.
- Cumulative effects analysis
- Recommended mitigations.
  - Research potential mitigations to the loss of recreation resources that would result from the proposed action and alternatives. Coordinate with Debby Kriegel to get minutes from the meetings she has had with Green Valley Hiking Club, Arizona Trail Association, and the Arizona Game and Fish Department. In addition, contact Tom Dwyer (Forest Service Wilderness, Trails, Wild & Scenic Rivers, Dispersed Rec Program Manager, SW Regional Office, 505-842-3233) and Jonathon Stevens (Forest Service Congressional Designated Areas and Trails Program Manager, Washington Office).

Time and budget to complete recreation and wilderness consequences section:

| Task  |                                    | Hours to Complete | Cost Estimate |
|-------|------------------------------------|-------------------|---------------|
| 1     | Coordination with GIS              | 8 (105/hour)      |               |
| 2     | GIS time                           | 48 (75/hour)      |               |
| 3     | Field Visit and Data Collection    | 48 (105/hour)     |               |
| 4     | Alternatives Consequences Analysis | 80 (105/hour)     |               |
| 5     | Cumulative Impacts                 | 40 (105/hour)     |               |
| 6     | Monitoring and Mitigation Section  | 40 (105/hour)     |               |
| 7     | Respond to FS comments             | 24 (105/hour)     |               |
| Total |                                    | 288               |               |



"Marcie Bidwell"  
<mbidwell@swca.com>  
06/16/2009 08:47 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc "Charles Coyle" <ccoyle@swca.com>, "Tamara Larson"  
<tklarson@swca.com>, "Molly Thrash"  
<mthrash@swca.com>

bcc

Subject RE: Bounds~ Map boundaries- Visuals and Land use

History:

 This message has been replied to.

Debby,  
Thanks!

The land use is a new issue for our office, but not necessarily for your oversight. Sorry for confusing you.

I am working on edits and will be back to you shortly. Charles asked that we beef up the paragraphs with more effects reasoning.

I also wanted to introduce you to Molly and Tamara, here in our Durango office that will be helping with the new sections. You may hear from them from time to time; Molly will be jumping in on reclamation and land use; Tamara helping with Visuals and land use. They both ROCK as far as technical knowledge and "get er done" talents.

I will call tomorrow to discuss (all day meetings today),

Cheers,  
Marcie

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Tuesday, June 16, 2009 9:04 AM  
**To:** Marcie Bidwell  
**Cc:** Debby Kriegel  
**Subject:** Re: Bounds~ Map boundaries- Visuals and Land use

Marcie: Here are my comments (in red). Thanks. Debby

#### **VISUAL RESOURCES:**

1. The temporal bounds of analysis for Visual Resources is intended to include the area that may impact or be impacted by the proposed project. As such, the temporal bounds of analysis include Construction, Operations, Reclamation, and Post-Closure. Additionally, within the Operations time boundary, a sub-boundary for visual resources will include the completion reclamation of the ~~tailings berm~~ perimeter buttress that is intended to screen the mine operation. *(the last sentence is not necessary, as this will be covered within the other boundaries, but if you think it's important to mention, that's fine)*

2. The geographic bounds of the visual resource analysis is defined as (1) the project site (project boundary), (2) ~~Nogales Forest Unit~~, Santa Rita EMA (3) Coronado National Forest, and (4) Santa Cruz County and Eastern Pima Counties.

**LAND USE:** Is this a new issue?

1. The temporal bounds of analysis for Land Use is intended to describe the land use planning that may impact or be impacted by the proposed project. As such, the temporal bounds of analysis include Construction, Operations, Reclamation, and Post-Closure.

2. Geographic- The potential impacts to Land Use Resources include the project area and surrounding lands as they are managed for land use, and are defined as (1) the project site (project boundary), (2) Nogales Forest Unit, (3) Coronado National Forest, and (4) southern Santa Cruz and northern Pima Counties.

"Marcie Bidwell" <mbidwell@swca.com>

06/15/2009 11:55 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>

cc

Subject Bounds~ Map boundaries- Visuals and Land use

Hello Debby

Welcome back~ hope you had a great time up north on vacation.

Please see the bounds of analysis discussion below. I had sent you a short description of it before you left, but I am not sure that we actually decided. I have further added on to that description and descriptions.

As we need to have an easily definable area, I shy'd away from doing a visual analysis of all areas that can see the Santa Ritas, and tried to use boundaries that already exist. You and I have discussed that Tucson is within view of the Santa Ritas, and thought that Pima County might be a good way to capture that area in a easier to define way.

Finally, I also suggested that we use the Nogales Forest Unit and the Coronado NF as two others, as the LRMP is defined by those units.

Please confirm/comment on the list below,

Thanks!

Marcie

---

**From:** Lara Mitchell

**Sent:** Monday, June 15, 2009 10:34 AM

**To:** Marcie Bidwell

**Subject:** RE: Bounds~ Map boundaries- Visuals and Land use

Hi Marcie

Just wanted to double check on the bounds for the maps, you want to show all of the Coronado NF, highlighted in blue on the attached screen shot? And all of Pima county, all the way out past Ajo?

Thanks

<<visual\_miles.pdf>>

---

**From:** Marcie Bidwell

**Sent:** Friday, June 12, 2009 3:19 PM

**To:** Lara Mitchell; Charles Coyle; Stephen Leslie

**Subject:** Bounds~ Map boundaries- Visuals and Land use

Lara and Charles!

Here is what I recommend to the Forest for visuals. The boundaries should be existing GIS files.

**VISUALS:**

1. The temporal bounds of analysis for Visual Resources is intended to include the area that may impact or be impacted by the proposed project. As such, the temporal bounds of analysis include Construction, Operations, Reclamation, and Post-Closure. Additionally, within the Operations time boundary, a sub-boundary for visuals will include the completion reclamation of the tailings berm that is intended to screen the mine operation.

2. The geographic bounds of the visual resource analysis is defined as (1) the project site (project boundary), (2) Nogales Forest Unit, (3) Coronado National Forest, and (4) Santa Cruz and Pima Counties.

**LAND USE:**

1. The temporal bounds of analysis for Land Use is intended to describe the land use planning that may impact or be impacted by the proposed project. As such, the temporal bounds of analysis include Construction, Operations, Reclamation, and Post-Closure.

2. Geographic- The potential impacts to Land Use Resources include the project area and surrounding lands as they are managed for land use, and are defined as (1) the project site (project boundary), (2) Nogales Forest Unit, (3) Coronado National Forest, and (4) southern Santa Cruz and northern Pima Counties.

*If "northern Santa Cruz" and "southern Pima" is hard to define (perhaps cut them in half), then we could use the whole counties. Either way.*

Marcie Demmy Bidwell

Environmental Planner

515 East College Avenue

Durango, Colorado 81301

Office: 970.385.8566

Fax: 970.385.1938

[www.swca.com](http://www.swca.com) [attachment "visual\_miles.pdf" deleted by Debby Kriegel/R3/USDAFS]

Debby Kriegel/R3/USDAFS  
05/24/2010 12:24 PM

To "Marcie Bidwell" <mbidwell@swca.com>  
cc Debby Kriegel/R3/USDAFS@FSNOTES  
bcc  
Subject Re: FW: MPO YR10 feature examples

Marcie: See my comments in red. Thanks! Debby

"Marcie Bidwell" <mbidwell@swca.com>



"Marcie Bidwell"  
<mbidwell@swca.com>  
05/21/2010 02:47 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Trent Reeder"  
<treeder@swca.com>  
cc  
Subject FW: MPO YR10 feature examples

Hello Debby,

I am sending these to just you to start, and then we can discuss who else should see them. Great start!!  
These are very helpful!

These maps show the facilities full footprint made to be 100-foot red box, set on an average point in the area, and the yellow is the 35-foot perimeter channel (How did you determine 35 feet? On the plans, the diversion channel around the plant and around the south end of the tailings are 100'+ wide) assuming it would continuously follow the footprint of the piles, and the green transmission line, with a 100-foot wide ROW/potential clearing corridor (This is also the route for the secondary access road and water line, right? If so, then 100 ft. width makes sense.)

The "Tails Off" version could be used to think of the alternatives with nothing in front of the pit or the facilities. Ok.

I think from these images you can see that the perimeter channel may require grading to move the water all the way around, but that its mostly down in the lower canyons where it would not be visible from a variety of distances or places (due to undulating terrain). Its all about how the southern end of the pile would drain to Barrel Canyon to the north. Again, please confirm the width.

In summary, in quick review, the big piles are still a bigger deal than the perimeter channels. The perimeter road will be completely faded back into the scenery if its only a service road style road. Kathy mentioned last week that perimeter roads must meet MSHA regs and that the perimeter road would be about 750 ft. from the toe of the slope. Can you please ask David K. what the cross section of a mine road needs to be and roughly show the road too? IF there wasnt going to be a big mine there, then the roads would be more of a disturbance. Meaning, the big mine is the big deal. The other stuff continues to contribute to the industrialization of the landscape, but they do not stand on their own as significant impacts. I think we can describe them for the MPO and then wait to see how the other alternatives show up. Your thoughts? I agree that many of these elements are tiny compared with the pit and piles, but still would like to show them accurately in the simulations (even if grading isn't perfect). A linear road, even a narrow one, can contrast with the landscape.

Take a look and let me know.

Marcie

**From:** Trent Reeder

**Sent:** Friday, May 21, 2010 3:31 PM

**To:** Marcie Bidwell

**Subject:** MPO YR10 feature examples

Here you go.

Red- 100' extruded facility area footprint

Yellow - Perimeter Channel

Green - 100' Transmission ROW (Preferred Route)

Trent Reeder

GIS Specialist

SWCA Environmental Consultants

[treeder@swca.com](mailto:treeder@swca.com)

130 Rock Point Dr. Suite A

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Work (970) 385-8566

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[www.swca.com](http://www.swca.com)

[attachment "ALT2\_MPO\_YR10\_Features\_Tails\_Off.jpg" deleted by Debby Kriegel/R3/USDAFS]

[attachment "ALT2\_MPO\_YR10\_Features\_Tails\_On.jpg" deleted by Debby Kriegel/R3/USDAFS]



tfurgason@swca.com

11/19/2009 05:32 PM

Please respond to  
tfurgason@swca.com

To "Jamie Sturgess" <jsturgess@augustaresource.com>

cc "Debby Kriegel" <dkriegel@fs.fed.us>, "Dale Ortman" <daleortmanpe@live.com>, "Melissa Reichard" <mreichard@swca.com>, "Beverley A Everson"

bcc

Subject Re: Site tour request for Horst Schor on Dec 10

Jamie, It would be fine if you would like to attend the site visit with Horst on December 10. I have yet to receive the details, but it would probably work best for the FS team to meet you at, or near the site. I will let you know our schedule as it is developed. Tom

Sent from my Verizon Wireless BlackBerry

**From:** Sturgess Jamie <jsturgess@augustaresource.com>

**Date:** Wed, 18 Nov 2009 20:18:33 -0700

**To:** Tom Furgason <tfurgason@swca.com>

**Cc:** Debby Kriegel <dkriegel@fs.fed.us>; Dale Ortman PE <daleortmanpe@live.com>; Melissa Reichard <mreichard@swca.com>; Beverley A Everson <beverson@fs.fed.us>; Melinda D Roth <mroth@fs.fed.us>; Kathy Arnold <karnold@rosemontcopper.com>; Reta Laford <rlaford@fs.fed.us>

**Subject:** Re: Site tour request for Horst Schor on Dec 10

Tom: If I can make it, I would very much like to attend. As you know, we are very challenged by the combination of height, elevation, slope length, stormwater management, materials, erosion resistance, and footprint, to make the best landform topography. The constraints of footprint, drainage basin, slope angle, and slope length, challenge our design criteria.

But we have not surrendered, and I am confident that the recent addition of Horst Borsch, George Annendale, and others, to the collective team effort, can help us to find the best solution to the challenges.

Best regards,

Jamie Sturgess

On 11/18/09 12:28 PM, "Tom Furgason" <tfurgason@swca.com> wrote:

Kathy,

The Coronado would like Rosemont to assist with a tour of the Rosemont Project area on Thursday, December 10. Horst Schor would like to visit the site on that day to gain a better understanding of the terrain and the surrounding geography. Debby and I also think that it would be useful if a representative from Rosemont accompanied the tour along with your surface water hydrologist(s) (Tetra Tech?). It is unclear what exactly Horst will be interested in discussing during the site visit, but I'd like Rosemont to be prepared to discuss issues related to managing hydrology with respect to placement of the waste and tails.

Horst will also be meeting with the Coronado on the morning of December 11. We are uncertain if he'll have any follow-up questions for the Rosemont team, but would there be any way to have your surface water hydrologists tentatively hold a few hours open at that time?

Please note that this is the second of two surface water/landforming site visits. The first will be conducted with Annandale next week. Feel free to call me or contact Debby directly (388-8300) if you have any questions. Thank you for your assistance.

**Tom Furgason**

Program Director  
SWCA Environmental Consultants  
343 West Franklin Street  
Tucson, AZ 85701  
(520) 325-9194 ext. 110  
(520) 820-5178 mobile  
(520) 325-2033 fax



"Terry Chute"  
<tjchute@msn.com>  
08/17/2010 08:23 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
bcc

Subject Re: Rosemont Cumulative Effects

History:  This message has been replied to.

Hi Debbie,

Sorry I have not gotten back to you sooner. This week is chock full of meetings and editing. I can meet with you either late this afternoon (say 3 or 3:30) or early Thursday morning. Let me know what works for you.....Terry

**From:** Debby Kriegel  
**Sent:** Monday, August 16, 2010 8:04 AM  
**To:** Terry Chute  
**Subject:** Re: Rosemont Cumulative Effects

On Aug 11, you wrote "I am going to review the list, and I hope to start tomorrow, but I know nothing about the projects on it, so I cannot be the one to say it is final and up to date. Let's bounce this off Tom, perhaps early next week, and see what we can get going. If we can come to a verbal agreement of what we are looking to do, you can modify your proposal to match and we can get it to SWCA. One big unknown to me is how much effort and research it will take to get the boundaries and locations of all the actions - so they can be digitized into a GIS layer. Let's discuss next week."

Yes, let's discuss. I'm in all week, except Wednesday. What works for you ?

"Terry Chute" <tjchute@msn.com>

08/13/2010 01:40 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
Subject Re: Rosemont Cumulative Effects

Debby,

Did we set up a time to get together to discuss this?? I can't remember....it's been one of those weeks...Terry

**From:** Debby Kriegel

**Sent:** Wednesday, August 11, 2010 2:52 PM  
**To:** Terry Chute  
**Cc:** Melinda D Roth ; Reta Laford ; Debby Kriegel  
**Subject:** Re: Rosemont Cumulative Effects

Thanks Terry. See my answers in red.

"Terry Chute" <[tjchute@msn.com](mailto:tjchute@msn.com)>

To "Melinda D Roth" <[mroth@fs.fed.us](mailto:mroth@fs.fed.us)>, "Reta Laford" <[rlaford@fs.fed.us](mailto:rlaford@fs.fed.us)>, "Debby Kriegel" <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>

08/11/2010 01:07 PM

cc  
Subject: Re: Rosemont Cumulative Effects  
t

Debby,

While I think it is a good idea to show the bounds of a cumulative effects area on a map, I have a couple concerns or questions about your proposal.

1. It is not clear to me what the added value of the 1902 map is. Seems like we can show past, present and reasonably foreseeable on the current map. Your thoughts helping me understand would be good. I don't see a better way to show past actions through time (like the growth of cities/towns, new highways, and the shrinking of protected lands like the Santa Rita Experimental Range). Interestingly, the 1902 maps will show a few places where resources are less impacted today (like mining towns that disappeared and the designation of wilderness).
2. Timing - are you anticipating getting this done and using it for the DEIS? Seems like getting all the past & reasonably foreseeable actions on one map could be a big chunk of work, and I am concerned about it holding up the process. The list of past, present, and future actions is still very draft. As this list gets worked on, it could be a great time to do this mapping. Perhaps the maps won't be complete by the DEIS...but if the mapping goes relatively smoothly, maybe it could. I don't see this as holding up anything, though some resources (myself included) could do a better job with cumulative effects analysis with the map, so doing it before the DEIS is published would be best.

Eventually each resource will need their own map of their cumulative effects analysis area, and mapping of past, present and reasonably foreseeable actions may or may not be desirable.

Some past, present and reasonably foreseeable actions will be relevant to a particular resource, while others will not. I can see that it would be useful to have one master map that you could turn past, present and foreseeable action on or off, print a map with the relevant one turned on for a particular resource, and add the cumulative effects analysis area. I'm just not clear on how much time and effort this will take, and whether we have the luxury of getting this done in time to use it for the DEIS.

The other thing that worries me is the accuracy of the Reasonably Foreseeable list, and I do not know if we even have a list of past and present actions that specialists need to consider. We need to get on top of that, and I have no idea whether there is someone tasked with finalizing those or not. I would not want SWCA or anyone else researching out project polygons for project that we (FS) have not determined to be part of a "final" list. I thought you were going to review the draft list. Is that not true?

Perhaps there is a middle ground that we can get to where we use the best current base layer we have (do not invent a new one) and (1) finalize the list of past, present and foreseeable actions that are accurate and relevant (i.e., make sure that actions are truly foreseeable) ; (2) decide which ones are best depicted on a map (some, like Forest Plan Revision, do not lend themselves to mapping); and (3) decide how to provide maps to individual specialists that are useful and depict the past, present and reasonably foreseeable actions that are meaningful for their particular resource. If we can do that with a few days of work - and provide it to the specialists in a timely manner - it is probably worth doing. Otherwise we may need to look at this for the FEIS and do the best we can for the DEIS, which may mean describing the cumulative effects analysis area and listing the applicable past, present and reasonably foreseeable actions in the text of Chapter 3.

Sounds good to me. And I would expect that a good GIS person, and some coordination with team members (individually or at a meeting) could do this in a timely manner.

**From:** Debby Kriegel  
**Sent:** Wednesday, August 11, 2010 12:44 PM  
**To:** Melinda D Roth ; tjchute@msn.com ; Reta Laford  
**Cc:** Debby Kriegel  
**Subject:** Rosemont Cumulative Effects

As I think about cumulative effects analysis needed for Rosemont (and consider the bounds of analysis maps for various resources), I believe that some additional GIS mapping would be helpful for the IDT, the public, and decisionmaker in order to fully understand cumulative effects.

I've drafted a scope of work (just over 1 page) and would appreciate your thoughts. Tom Furgason told me that SWCA has several GIS specialists on staff.

Thanks.



"Marcie Bidwell"  
<mbidwell@swca.com>  
05/19/2010 03:08 PM

To "Kathy Arnold" <karnold@rosemontcopper.com>, "David Krizek" <david.krizek@tetrattech.com>  
cc "Debby Kriegel" <dkriegel@fs.fed.us>, "Keepers, Ashley" <Ashley.Keepers@tetrattech.com>, "Carrasco, Joel" <Joel.Carrasco@tetrattech.com>, "Trent Reeder"  
bcc

Subject RE: Drainage drawing

History:  This message has been replied to.

Hello David,

This request forwarded by Kathy is the conceptual drawing that you and I have been discussing for a few months now.

The request is to supplement the *Preliminary Stormwater Control and Reclamation Summary* with a conceptual sketch of where the elements described in the text would be placed on each alternative map. This is consistent with the data requests filed by the Forest Service this year.

Specifically, it would be for the following alternatives (i.e. Phased Tailings is considered complete):

- MPO-
- Upper Barrel- (once the final design is confirmed)
- Scholefield- (once final design is confirmed)

Additionally, SWCA would like to request that the Phased Tailings Contour data and associated layers be uploaded to the FTP site, as well.

I would be glad to discuss this on the phone with you, Ashley or Joel. And I want to extend a thank you for the recent call inquiry.

Thank you!  
Marcie

**From:** Kathy Arnold [mailto:karnold@rosemontcopper.com]  
**Sent:** Wednesday, May 19, 2010 2:46 PM  
**To:** David Krizek  
**Cc:** Marcie Bidwell; Debby Kriegel  
**Subject:** Drainage drawing

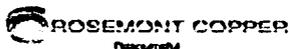
David -

I need you to put pen to paper on a drawing (2-d is fine) to show Marcie what your write-up will (could?) look like in the real world. Hand drawn arrows will be fine.

Cheers!

Kathy

Katherine Ann Arnold, P.E. | Director of Environmental and Regulatory Affairs  
Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724  
[karnold@rosemontcopper.com](mailto:karnold@rosemontcopper.com)



Rosemont Copper Company  
P.O. Box 35130 | Tucson, AZ 85740-5130  
3031 West Ina Road | Tucson, AZ 85741 | [www.rosemontcopper.com](http://www.rosemontcopper.com)

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"Marcie Bidwell"  
<mbidwell@swca.com>  
10/09/2008 04:37 PM

To "Tom Furgason" <tfurgason@swca.com>  
cc <dkriegel@fs.fed.us>  
bcc  
Subject Rosemont Copper Meetings

Hello Tom,

Debbie and I spoke today about getting together on the Rosemont Copper EIS for visual and recreation. I mentioned that you and I had been talking about a visit to Tuscon that would coordinate with one of the upcoming meetings.

We brainstormed having me come down for the Nov 12 meeting, and seeing if it would be possible to arrange a field visit to the site and possibly to one of the mine tours that we had discussed earlier.

Secondly, we talked about trying to visualize alternatives and the land form. I mentioned the GeoWeb that Denver pulled together, and the possibility of using a 3D modeling or Geoweb platform to envision the development, pit area, and tailings. Debbie thought it would be interesting to see what that program might be able to provide from a visualization potential.

Debbie, I am attaching a few projects that I have been working on here in Durango as far as quick visuals. These are just quick representations of projects across a spectrum of visual analysis. I will send them as separate emails, as the visuals are big.

Thanks for the call today, I look forward to working together.  
Marcie

<<Overland Trail Simulation Example.jpg>>

Marcie Demmy Bidwell  
Environmental Planner  
515 East College Avenue  
Durango, Colorado 81301  
Office: 970.385.8566  
Fax: 970.385.1938

[www.swca.com](http://www.swca.com) [attachment "Overland Trail Simulation Example.jpg" deleted by Debby Kriegel/R3/USDAFS]



"Melissa Reichard"  
<mreichard@swca.com>  
02/03/2010 12:31 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
bcc  
Subject RE: Rosemont electronic files

Debby-

Lara has been compiling them for some time now. Rosemont collected their consultants' GIS files and is releasing them on a per request basis. All requests are currently running through Lara and Kathy. We were just asked yesterday to upload what we have to WebEx and we are working on it. I will keep you posted.

Thanks!

*Melissa*

*"In every one of us there are two ruling principles, whose guidance we follow wherever they may lead; the one being an innate desire of pleasure; the other, an acquired judgement which aspires after excellence." ~ Socrates*

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Wednesday, February 03, 2010 12:22 PM  
**To:** Melissa Reichard  
**Subject:** Rosemont electronic files

Hi Melissa,

What is the status of getting electronic files (maps, GIS data, topo, etc.) from USFS, SWCA, M3, Tetra Tech, Pima Co, etc. for everyone to access? I know that you and Tom were working on this in November and/or December, with a tentative completion date at the end of Dec.

Are you still collecting things? Is the data collected so far already posted on WebEx?

Thanks.

Debby



"Marcie Bidwell"  
<mbidwell@swca.com>  
04/23/2009 02:37 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
bcc  
Subject RE: Letter to RCC

sounds great, keep me posted, working on contacting the list.... and GIS maps

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Thursday, April 23, 2009 9:21 AM  
**To:** Marcie Bidwell  
**Subject:** RE: Letter to RCC

Thanks Marcie. I edited this a little (see new version). I added "photo real" to all the simulations because I don't want Rosemont to say we already did the "3-D computer simulations" (i.e., the crude ones that they provided earlier). We obviously need something better.

Hopefully the letter will be sent soon.

"Marcie Bidwell" <mbidwell@swca.com>

04/23/2009 06:35 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
Subject RE: Letter to RCC

Debby,

here ya go~ add or change if you wish  
Marcie

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Wed 4/22/2009 12:19 PM  
**To:** Marcie Bidwell  
**Subject:** Re: Letter to RCC

Rough assumptions:

1. I don't need animations, but do need a model that a viewer can move around in to determine KOPs,

etc.

2. Up to 20 KOPs?!

3. There will likely be 3-5 alternatives (one of which I am optimistic that your work will lead to)

I don't need to see the costs, but undoubtedly Rosemont will want this info. I recommend you include at least 15% contingency for every work item.

Does this help?

"Marcie Bidwell" <[mbidwell@swca.com](mailto:mbidwell@swca.com)>

04/22/2009 09:12 AM

To "Debby Kriegel" <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>

cc

Subject Letter to RCC

Debby,

I know we had talked trying to prepare a budget to accompany this letter, and I am having a hard time doing so, just because of the range of effort that could go under the visual simulations- do you want animation or photos, how many KOPs, how many alternatives.

I can still set up the format like we discussed, but was curious if you were anticipating dollar amounts? That would be hard to estimate at this moment with any feeling of clarity.

Let me know if you feel strongly,

Marcie

Marcie Demmy Bidwell  
Environmental Planner  
515 East College Avenue  
Durango, Colorado 81301  
Office: 970.385.8566  
Fax: 970.385.1938

[www.swca.com](http://www.swca.com) [attachment "Visual RCC scope\_estimate- 2009-04-22.xls" deleted by Debby Kriegel/R3/USDAFS]



**Kathy Arnold**  
<karnold@rosemontcopper.com>

03/08/2010 09:11 AM

To Marcie Bidwell <mbidwell@swca.com>, Debby Kriegel  
<dkriegel@fs.fed.us>

cc Stu Bengson <sbengson@aol.com>

bcc

Subject Stu Bengson

Ladies -

If you have questions regarding plants and trees and growth – Stu Bengson is available for consultation. His email is [sbengson@aol.com](mailto:sbengson@aol.com). Please just keep me in the loop as to the amount of involvement he has so that I will be aware of any charges he may have.

Stu please bill directly to me – this is part of that PO that Scott issued for you last week.

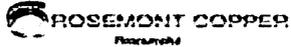
Thanks -

Kathy

**Katherine Ann Arnold, P.E.** | Director of Environmental and Regulatory Affairs

Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724

[karnold@rosemontcopper.com](mailto:karnold@rosemontcopper.com)



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"Dale Ortman PE"  
<daleortmanpe@live.com>  
05/03/2010 08:09 AM

To ""Debby Kriegel"" <dkriegel@fs.fed.us>  
cc ""Beverley A Everson"" <beverson@fs.fed.us>, ""Jonathan Rigg"" <jrigg@swca.com>, ""Marcie Bidwell"" <mbidwell@swca.com>, ""Melissa Reichard""  
bcc

Subject RE: Review Comments for Rosemont Landform Report

Debby,

1. Horst indicates that in his opinion the difference between the volume in his conceptual layout and the target volume can be accommodated during later design. This difference is not germane to the pending decision whether or not to include landforming as an alternative.
2. Marcie's comments are incorporated in the compiled comments.
3. We've requested Horst to give us his professional opinion and he has expressed that opinion in his report; however I will query Horst as to whether or not he wants to retain the ending statement in his report.

Dale

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Monday, May 03, 2010 7:46 AM  
**To:** Dale Ortman PE  
**Cc:** 'Beverley A Everson'; 'Jonathan Rigg'; 'Marcie Bidwell'; 'Melissa Reichard'; Melinda D Roth; Salek Shafiqullah - USFS ; 'Tom Furgason'; Debby Kriegel  
**Subject:** Re: Review Comments for Rosemont Landform Report

Dale:

3 major comments:

1. Is Horst not required to provide a design that accommodates the full 1.2 billion cubic yards??
2. Did you receive Marcie's comments. I don't see hardly any of them incorporated here. Or did many of her comments fall into the categories you mention in your email below?
3. Horst needs to delete at least the last sentence (or the last whole paragraph) in his summary on page 30. Ending the report with a statement of hopelessness is not acceptable (nor do I think this is what Horst meant), and these questions did not arise during the design process...they arose at the very end. Horst could simply reference the separate document addressing these issues here.

Thanks.

Debby

"Dale Ortman PE"  
<daleortmanpe@live.com>

05/02/2010 12:19

To""Beverley A Everson"" <beverson@fs.fed.us>, ""Melinda D Roth"" <mroth@fs.fed.us>, ""Debby Kriegel"" <dkriegel@fs.fed.us>, ""Salek Shafiqullah - USFS "" <sshafiqullah@fs.fed.us>, ""Tom Furgason"" <tfurgason@swca.com>, ""Jonathan Rigg"" <jrigg@swca.com>, ""Melissa Reichard""

PM

<mreichard@swca.com>, "Marcie Bidwell" <mbidwell@swca.com>  
cc  
Subject: Review Comments for Rosemont Landform Report  
t

All,

Attached is a memorandum containing a compilation of the pertinent review comments regarding the landform report. Not all comments received are included in the memorandum as those that altered Horst's professional opinion, modified the constraints imposed by Rosemont, or did not substantively add to the understanding of the report were omitted.

I will be forwarding the comments to Horst on Tuesday, therefore if you have any questions regarding the comments please contact me.

Regards,

Dale

---

Dale Ortman PE PLLC  
Consulting Engineer

(520) 896-2404 - Arizona Office  
(520) 449-7307 - Mobile  
(435) 682-2777 - Utah Office

[daleortmanpe@live.com](mailto:daleortmanpe@live.com)

PO Box 1233  
Oracle, AZ 85623



"Tom Furgason"  
<tfurgason@swca.com>  
02/12/2010 03:15 PM

To "Dale Ortman PE" <daleortmanpe@live.com>  
cc <dkriegel@fs.fed.us>  
bcc  
Subject FW: ROSEMONT PROPOSAL FOR REVISED SOW AS OF  
JANUARY 2010.doc

FYI- Horst should be good to go. I dropped the attachments.

Tom

**From:** Tom Furgason  
**Sent:** Friday, February 12, 2010 3:15 PM  
**To:** 'Horst'  
**Subject:** FW: ROSEMONT PROPOSAL FOR REVISED SOW AS OF JANUARY 2010.doc

Horst,

We will contract this task as a fixed fee. I'm sorry about the miscommunication and we can discuss my intentions when we meet later on. For the moment, it is more important that you have a Notice to Proceed and contract.

Per your request, I modified the SOW to include the language that I suggested. You will find this information under your assumptions. Your revised SOW and change order is attached and you are authorized to proceed.

Tom

Tom,

can you please add the new addition (which is acceptable) to my SOW which you have and get the NOP issued today.

**However, you told me previously that this could not be a time and material based contract but you wanted a fixed price one. Time and material would be based on hourly rates, etc, etc. and we have not ever discussed it from this perspective. So could you clarify what your intentions are??**

I am currently on the road for another project and can't make the changes. I don't want to lose any more time and would like to get started this weekend.

Thanks,

Horst

-----Original Message-----

From: Tom Furgason  
Sent: Feb 12, 2010 9:53 AM  
To: Horst  
Cc: Dale Ortman PE , Donna Morey  
Subject: Notice to Proceed

Horst,

I have received verbal approval from Rosemont authorizing me to provide you with a Notice to Proceed with the work detailed in the attached SOW with the following addition.

**"The nature of the work to be completed should be considered unique and applicable only to the "Upper Barrel" Alternative. This work is not intended to be applied to any other of the alternatives. Work on additional alternatives would require a revised Scope of Work and cost estimate."**

If this addition is acceptable, then please revise your Scope of Work accordingly and send it to me. I will then send you a formal contract modification for your signature. The Not-to-Exceed fee, to be billed on and Time and Materials basis, is \$39,500. It is my understanding that your work will commence next Monday (February 15) and will be completed by March 8, 2010. I appreciate your patience and flexibility in working on this project. As always, feel free to call me or Dale Ortman if you have any questions or concerns.

**Tom Furgason**

Office Director  
SWCA Environmental Consultants  
343 West Franklin Street  
Tucson, AZ 85701  
(520) 325-9194 ext. 110  
(520) 820-5178 mobile  
(520) 325-2033 fax



"Marcie Bidwell"  
<mbidwell@swca.com>  
02/19/2010 02:13 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
bcc

Subject Seen Area Maps

History:

 This message has been replied to.

Debby,

Did I send this to you yet?

Here is an example of the seen area analysis (viewshed showing largest extent of viewshed).

This was completed using 30 Meter data, cause the 10 meter data would take more than 1 day to run each alternative due to the large analysis area.....

What do you think?

<<11204\_Bounds\_of\_Analysis\_ALT\_2.pdf>>

Marcie Demmy Bidwell  
Environmental Planner  
130 Rock Point Drive, Suite A  
Durango, Colorado 81301  
Office: 970.385.8566  
Fax: 970.385.1938

[www.swca.com](http://www.swca.com) [attachment "11204\_Bounds\_of\_Analysis\_ALT\_2.pdf" deleted by Debby Kriegel/R3/USDAFS]

Debby Kriegel/R3/USDAFS  
08/03/2010 06:24 AM

To "Terry Chute" <tjchute@msn.com>, Robert Lefevre/R3/USDAFS@FSNOTES  
cc Debby Kriegel/R3/USDAFS@FSNOTES  
bcc  
Subject Re: Fw: Revegetation for Rosemont DEIS - specifically what are we including in the alternatives and mitigation?

I recommend that we include planting trees as mitigation in the EIS. Unfortunately, the tight DEIS schedule and Rosemont's continued dawdling (we've been asking them since at least January to fund someone to develop recommendations for tree planting) mean that this mitigation measure won't show up in the DEIS.

Volunteer trees will grow, but will take 100 years to mature (according to Bob's chart). In my opinion, waiting for volunteer trees is not acceptable mitigation.

I'm going to sound like a broken record, but...

The trees, landforming, and treating the white pit rock to age/darken it are the top 3 mitigation measures for visual resources. We know about these mitigation measures and need all 3 to reduce effects (for visual quality and numerous other resources).

How can we explain to the public that we intend to pursue all of these prior to the FEIS, but that they're not in the DEIS? To simply rip them out of the DEIS is not responsible, not being transparent and open with the public, and not showing that we care about resources.

"Terry Chute" <tjchute@msn.com>



"Terry Chute"  
<tjchute@msn.com>  
08/02/2010 06:32 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
Subject Fw: Revegetation for Rosemont DEIS - specifically what are we including in the alternatives and mitigation?

Debby - you on board with where Bob is at??

**From:** Robert Lefevre

**Sent:** Monday, August 02, 2010 2:51 PM

**To:** Beverley A Everson

**Cc:** Debby Kriegel ; Jonathan Rigg ; Melinda D Roth ; Tom Furgason ; Terry Chute

**Subject:** Re: Revegetation for Rosemont DEIS - specifically what are we including in the alternatives and mitigation?

The seed mix they propose to use includes native grasses and at least one native shrub, so I don't think we have to drop shrubs from the discussion. Trees (except volunteers), however should be dropped from the mitigation table and the chapter 3 soils and reclamation section if the current plans for reclamation do not include tree planting. The tables in the chapter 3 soils and reclamation section indicate that some trees and shrubs will "volunteer" even if not planted, particularly mesquite. At the highest elevations of the reclamation effort some junipers may also volunteer, and along the water diversion channels mesquites, and possibly cottonwoods and willows will volunteer.

The modeling Marcy did for the visual effects shows some trees and shrubs and there should probably be fewer shown if no trees are scheduled for planting. At this stage of the process, I would say that we should not go back and re-do the modeling unless its really quick and easy, but be sure it is understood that everything in the simulations that looks like a small tree or a shrub is going to be a shrub or volunteer tree.

Robert E. Lefevre  
Forestry and Watershed Program Manager  
Coronado National Forest  
USDA Forest Service  
520-388-8373

Beverley A  
Everson/R3/USDAFS  
08/02/2010 11:25 AM  
To "Terry Chute" <tjchute@msn.com>  
cc "Debby Kriegel" <dkriegel@fs.fed.us>, "Jonathan Rigg" <jrigg@swca.com>, "Melinda D Roth" <mroth@fs.fed.us>, "Bob Lefevre" <rlefevre@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>  
Subj Re: Revegetation for Rosemont DEIS - specifically what are we including in the alternatives and ect mitigation?[Link](#)

I would say that if we don't have time to incorporate the mitigation into the DEIS, such as doing the research to determine the feasibility of revegetating with trees and shrubs, then it will have to be put on hold for the EIS and omitted from the mitigation table for the time being.

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

"Terry Chute"  
<tjchute@msn.com>  
08/02/2010 10:32  
AM  
To "Beverley A Everson" <beverson@fs.fed.us>, "Melinda D Roth" <mroth@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Debby Kriegel" <dkriegel@fs.fed.us>, "Bob Lefevre" <rlefevre@fs.fed.us>  
cc  
Subj Revegetation for Rosemont DEIS - specifically what are we including in the alternatives and mitigation?  
ect

In her edits to the Mitigation Table, Debby pointed out that many of them say things about re-vegetation that are not currently included in the DEIS, and are not being addressed in the effects analysis. Specifically - planting trees, shrubs and container plants (as opposed to seeding); requiring the use of plant species and distributions that exist in the surrounding landscape, etc.

We need to figure out exactly what we are proposing for re-vegetation in the DEIS. Any ideas how to come to a common understanding in the next couple days???

Debby Kriegel/R3/USDAFS  
02/12/2010 10:03 AM

To karnold@rosemontcopper.com  
cc Debby Kriegel/R3/USDAFS@FSNOTES  
bcc

Subject Fw: Information Request

History:  This message has been forwarded.

Kathy,

This is the list that we discussed on Jan 29. Any progress?

Thanks.

Debby Kriegel  
388-8427

— Forwarded by Debby Kriegel/R3/USDAFS on 02/12/2010 09:58 AM —



Melinda D Roth/R3/USDAFS  
01/08/2010 12:25 PM

To karnold@rosemontcopper.com  
cc Debby Kriegel/R3/USDAFS@FSNOTES, Melinda D  
Roth/R3/USDAFS@FSNOTES  
Subject Information Request



20100107\_kriegel\_request.docx

Mindee Roth  
Coronado National Forest  
300 W. Congress, FB42  
Tucson, AZ 85701  
(520) 388-8319  
(520) 396-0715 (cell)  
(520) 388-8305 (FAX)

To: Kathy Arnold, Rosemont Copper  
From: Debby Kriegel, Coronado National Forest, 388-8427  
Date: January 7, 2010  
Re: Information Request

The following information will be needed for visual quality and recreation analysis. Please call me if you have questions.

1. GIS layers for the new alternatives (revised Phased Tailings, and Barrel Only) with Z-values assigned to the contours and georeferences to their locations.
2. 3D model of the plant facilities and infrastructure locations (powerline, waterline easement, etc), with detail to the point that USFS and Rosemont can agree is sufficient for simulations. These need to be georeferenced as well.
4. Information on which plant buildings and facilities cannot be painted earthtones.
5. Contours: the best resolution of the existing landform topography that Tetra Tech has. Currently SWCA is currently working off of 10m DEMs.
6. Details about what mitigation lands and/or conservation easements would be offered by Rosemont (plat maps, easement language, and timeline).
7. Map or GIS point for Sentinal Peak (and recommendations for possible spur trail location, if available)
8. Information about the appearance of the outermost waste rock (sometimes referred to as "growth medium" or "topsoil") and visible back parts of the pit. This data will be necessary for both analysis of visual resources and for creating accurate simulations. Information needed:
  - The color range of the rock types that will comprise the outermost waste rock. This could be as simple as providing samples of the rock, identifying field sites where the material can be viewed (such as on the test plots), and photographs.
  - Desert varnish (Permeon and/or Natura) tests to determine application rates for the back of the pit, and outermost waste rock if it will be lighter than surrounding landscape colors. Representatives from both companies are in the Tucson area periodically. If Rosemont could provide locations to test the correct rock types (which should be newly excavated rock, not weathered locations), they are willing to travel to the site to test various application rates. The test areas do not need to be on test plots, and could be located on National Forest land if the rock type is correct.
  - Post-mine options for breaking up the uppermost horizontal benches in the back of the pit, or if this is not possible, a description of what natural failing might be expected over time. Depending on alternative, up to 20 benches would be visible from travelways, including Highway 83.
9. A study of establishing trees and shrubs on reclaimed slopes. The current research on seeding is an excellent start, but reclamation should also include trees and shrubs (and possibly cacti) in order to more quickly stabilize the slopes and meet visual quality goals. Coordination with U of A's Dr. Fehmi would be a good place to start, and perhaps he could recommend a consultant. The study would answer the following questions:
  - Which species and sizes of plants would be most successful on the outermost material? Native plants should be selected from those currently growing at the site, and would include salvage/transplants, seedlings, and/or container plants. Patterns of plants on the new slopes should mimic those of the surrounding landscape.

- Where can the needed plants be obtained in sizes and quantities that would likely be necessary? Options include salvaging from the site, purchasing from local nurseries, contracting propagation, or some combination. Landforming work and alternative selected will affect the exact quantities, but a rough examination of existing numbers of plants and species per acre in the area would provide a good starting point,. And I know of one local plant expert with a nursery who might be available to provide information on the success of propagating species not typically sold in nurseries and/or to could help propagate plants.
- If there are different suites of native plants best adapted to different "growth mediums", a plan should be developed to place that material/plant or seed those suites of vegetation to achieve targeted reveg and biology needs. Specifically this applies to Agave/bat concerns, but also to many plant species obligates. An example of how this could go wrong inadvertently would be that if a "growth medium" which is best for Agave survival is placed on slopes which are not conducive to Agave survival (north facing, south facing, whatever), we all would have missed a huge opportunity. At a later date, this information would be used to resolve what "growth medium" goes where--for visual and plant growth needs--solves problems for the proponent and the land manager.



"Marcie Bidwell"  
<mbidwell@swca.com>  
02/19/2009 08:48 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
bcc  
Subject RE: Rosemont Schedule/Proposal

Good Morning, Debbie

Yes, you are correct that I did not send a schedule to discuss. I have received word that the Change Order does not include work on a visually sensitive alternative or visual simulations, at this time. We are trying to negotiate these services. I know we are both disappointed by this news. As I mentioned, the new direction from RC is that we must stick within our 2009 budget constraints and that is to guide our services that we are authorized to offer.

I am curious if anything was discussed at your IDT meeting yesterday regarding the alternatives and our role in the process?

I am planning on calling you at 10:00 and explain what I know and have authority to do at this moment (I am working from home this AM).

Of the scope that I assembled last fall, the first three tasks were included within the Change Order that was returned from RC. They were listed under "Technical Reports" for less than half of our proposed budget:

1. Visual/Remediation Meeting, Remediation Field Trip
2. Collect, Analyse, and Summarize Design Information
3. Identify Design Evaluation Criteria

The following tasks from your email would still be included as part of the EIS and on the regular EIS schedule:

- Research and familiarity with Forest Plans and other documents
- Affected environment
- Environmental consequence
- Cumulative Impacts
- Irreversible Commitment of visual resources

What would not be included would be the design alternative development and additional work on that process. Tours to sites other than the project area would potentially fit within the budget constraints, but we would have to be careful and reduce the number of trips to the project area as a result to balance the issues.

I wish I had different news; I will call in the next hour to discuss this further.  
Marcie

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Thu 2/19/2009 8:04 AM  
**To:** Marcie Bidwell  
**Subject:** Rosemont Schedule/Proposal

**Marcie:**

I did not receive an email from you yet. Will you be sending something soon? If you send it in the next hour I can review it and we can talk at 10:00. Let me know.

Thanks.

Debby



"Stephen Leslie"  
<sleslie@swca.com>  
07/01/2010 04:29 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc "Jonathan Rigg" <jrigg@swca.com>, "Tom Furgason"  
<tfurgason@swca.com>  
bcc

Subject Recreation Affected Environment

History:  This message has been replied to.

Debby -

I have incorporated all of your changes and updated information to address your additional comments and requests from your email last week.

The maps are done, just haven't inserted them into the text. I'll be out of the office tomorrow, but can answer any additional questions next week.

Thanks,  
Steve



Ch\_3\_Recreation\_and\_Wilderness\_070110\_Kriegel\_review\_SDL.doc



"Marcie Bidwell"  
<mbidwell@swca.com>  
03/17/2009 05:33 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Charles Coyle"  
<ccoyle@swca.com>  
cc "Tom Furgason" <tfurgason@swca.com>  
bcc  
Subject Visuals process~ a combination of SWCA Scope, EIS  
Process, and design exploration

Hello Debby,

Here is the combined table that you and I worked on today.

For Charles and Tom's sake, the attached table probably needs some explanation to place it in context. Debby has asked that USFS and SWCA work together to place the elements of the EIS, the scope that SWCA is currently working under, and her ideal process into one chronological (if possible) timeframe or visual schedule.

She and I drafted the attached doc that combines her list of action items, the standard EIS AE/EC process, Visual Technical Report, and the design process that would be typical of a landscape architect's approach to evaluating the proposals. The **far RIGHT Columns identify, what is included in the scope and what is outside of the scope (Y/N)**.

Also, we attempted to guess a timeframe for the EIS process, but we totally understand that a schedule for the entire process is still evolving. Just using these dates a benchmark.

We are sending it out to you for comments and to keep you informed of how the visual process is evolving. Debby's intent is that the design elements and simulations should be included in SWCA's scope; she would like for SWCA to develop a method to explain those pieces to RCC and their context. This is that attempt to place the elements in the greater process.

Feedback and questions are encouraged,  
Marcie

<<Visual\_Resource\_Proposal\_2009-03-17.xls>>

Marcie Demmy Bidwell  
Environmental Planner  
515 East College Avenue  
Durango, Colorado 81301  
Office: 970.385.8566  
Fax: 970.385.1938



[www.swca.com](http://www.swca.com) Visual\_Resource\_Proposal\_2009-03-17.xls

**Rosemont EIS - Proposal for Visual Resource Analysis (3/14/09)**

Note: This document summarizes the basic steps and tasks, responsibilities, and schedule. Information provided in other emails and letters still applies

| Task      | Description of Work                                                                                                                                                                                                                                                                                                            | SWCA responsibilities                                                                                                                                                                                              | USFS responsibilities                                                                                        | Proposed Completion Date                                 | Associated EIS Timeline Step & Date                 | Status              |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------|---------------------|
| <b>1</b>  | <b>PROJECT PREPARATION</b>                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                    |                                                                                                              |                                                          |                                                     |                     |
| <b>1a</b> | Review PIL, MPO, Reclamation Plan, public comments, Forest Plan, VQOs, SMS inventory, FS SMS Handbook, USFS Project Level Scenery Analysis, FSM 2380, Corridor Mgmt Plan for Patagonia-Sonoita Scenic Rd                                                                                                                       | Review all documents and utilize as appropriate throughout analysis                                                                                                                                                | Provide documents as needed                                                                                  | 3/20/2009                                                | Spring 2009                                         | Complete/ On-going  |
| <b>1b</b> | USFS/SWCA create this proposal and schedule; Present to USFS Project Manager and Process Manager, RCC and SWCA Project Manager                                                                                                                                                                                                 | Review and comment. Coordinate with Rosemont as needed.                                                                                                                                                            | Provide draft and final                                                                                      | Drafted 3/20/2009; Mgmt App by 3/27/2009                 |                                                     | Underway            |
| <b>1c</b> | Provide outlines for EIS and technical report                                                                                                                                                                                                                                                                                  | Draft for chapter 3 and technical report provided 3/12/09                                                                                                                                                          | Requested Word documents 3/13/09. Review and comment.                                                        | 3/16/2009                                                | 3/16/2009                                           | Completed 3/16/2009 |
| <b>1d</b> | Obtain simulations being completed by Rosemont                                                                                                                                                                                                                                                                                 | SWCA to request if studies and simulations are being supplied by RCC for USFS, and obtain documents as appropriate. SWCA to assist USFS to determine whether they are sufficient to complete visual analysis work. | USFS to review and comment re: suitable to meet USFS analysis needs.                                         | Request by 3/23/2009                                     | 3/30/2009 (?)                                       |                     |
| <b>1e</b> | Complete issue statements                                                                                                                                                                                                                                                                                                      | Draft provided                                                                                                                                                                                                     | Review and comment                                                                                           | March?                                                   | Issue Statements (March 2009?)<br><i>Unassigned</i> | Underway            |
| <b>1f</b> | Research other reclamation efforts that protected scenery on other mines. Contact reclamation experts who have successfully completed land sculpting on other large-scale mines and good revegetation efforts. Identify what was successful and could be incorporated into the Rosemont project. Identify mine sites to visit. | Complete research and provide findings. Travel to other mine sites as needed.                                                                                                                                      | Review all research (Note: <i>Dkriegel has made some contacts; SWCA needs to take the lead immediately</i> ) | Define- 3/20/2009; Initiate research schedule- 3/20/2009 |                                                     |                     |
| <b>1g</b> | Summarize remediation case studies and research into a chapter of the Technical Report. Use research to inform evaluation criteria for analysis.                                                                                                                                                                               | Provide draft and final of remediation case studies for Technical Report                                                                                                                                           | Review and comment                                                                                           |                                                          | <i>Unassigned</i>                                   |                     |
| <b>1h</b> | Identify evaluation criteria that will be used to describe affected environment, define environmental consequences, and evaluate project effects.                                                                                                                                                                              | Provide draft and final                                                                                                                                                                                            | Review and comment                                                                                           |                                                          | Y                                                   |                     |
| <b>2</b>  | <b>AFFECTED ENVIRONMENT</b>                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                    |                                                                                                              |                                                          |                                                     |                     |

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                        |                                                                   |              |                             |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------|--------------|-----------------------------|
| 2a                          | Identify visually sensitive travelways and viewpoints, and special places in and around the project area. Document key observation points for the affected environment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Provide draft and final                                | Review and comment                                                | 15-May-09    | Spring 2009                 |
| 2b                          | Map viewsheds that would be affected by the project, both for the no action alternative and the proposed action (including pit, waste rock piles, plant, utility lines, new roads, etc.).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Provide maps                                           | Review maps                                                       | May 15, 2009 | Spring 2009                 |
| 2c                          | Identify and describe scales of analysis, which are likely to include the viewshed that includes the proposed mine, the Santa Rita Mountains EMA, and landscapes across the Coronado National Forest. Provide a brief analysis of large-scale natural landscapes across southeastern Arizona to demonstrate the value of the Coronado NF and the project area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Provide maps and written documentation                 | Review all items                                                  | 1-Jul-09     | Summer 2009                 |
| 3f                          | Write the Affected Environment section (technical report and/or chapter 3 text). Explain the existing directives for visual resources (FSH, Forest Plan direction, VQOs, etc.). Describe the existing landforms, vegetation, line/form/color/texture, land uses, and deviations from the landscape. Identify the valued landscape character to provide guidance for analysis of alternatives. Describe visitors and visually sensitive travelways and viewpoints and distance zones. Describe current impacts to visual resources at each analysis scale. Utilize the Visual Resource Management System (and VQOs) currently in the Forest Plan, but prepare a parallel report using the Scenery Management System. If the Forest Plan is revised prior to completion of the EIS, it is likely that SMS will be incorporated, and would therefore be the system used in the Rosemont EIS. | Provide draft and final                                | Review and comment                                                | 1-Sep-09     | Chapter 3 (September 2009?) |
| <b>3 DESIGN EXPLORATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                        |                                                                   |              |                             |
| 3a                          | Identify alternate locations to potentially place waste rock and tailings (unseen or seldom seen locations with few wildlife and archaeology concerns). A McHarg-like mapping process might work well.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Provide maps. Site visits as needed.                   | Provide wildlife and archaeology data as needed and review maps   |              | Unassigned                  |
| 3b                          | Create a 3-D computer simulation of existing landscape and proposed mine.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Provide simulation                                     | Review simulation                                                 |              | Unassigned                  |
| 3c                          | Explore alternative placement and shaping of waste rock and tailings piles that better protects and mimics natural landforms and landscape character. Explore radically different shaping to avoid the monolithic form, flat top, and even side slopes. Consider options that may benefit wildlife habitat and those that might mitigate impacts of the pit (such as removing the most visible western edge). If 3-D computer modeling is not sufficient to complete this step, utilize other methods such as a topographic model.                                                                                                                                                                                                                                                                                                                                                        | Provide ideas to IDT during discussion of alternatives | Review and advise. Participate in 3-D computer modeling sessions. |              | Alternative Development     |

| 3d        | Select tentative key viewpoints for simulations. Document these locations with photography and GPS. Prepare "before" images.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Provide draft and final. Site visits as needed. | Review and comment | Unassigned                  |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|-----------------------------|
| <b>4</b>  | <b>ENVIRONMENTAL CONSEQUENCES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                 |                    |                             |
| <b>4a</b> | Complete a full analysis of the 3 big impacts: the waste rock and tailings piles, the pit, and the "temporary" facilities (plant, roads, utilities, etc. that would only be on site during mining) for all alternatives (no action, proposed action, preferred action, and others). Include written documentation, 3-D simulations, and static viewpoints (showing before and after views). Determine and describe recommended mitigation. If necessary, provide language for an amendment to the Forest Plan. Utilize the Visual Resource Management System (and VQOs) currently in the Forest Plan, but prepare a parallel report using the Scenery Management System. | Provide draft and final                         | Review and comment | Chapter 4 (September 2009?) |
| <b>4b</b> | Write Technical Report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Provide draft and final                         | Review and comment | Draft EIS (September 2009?) |
| <b>4c</b> | Complete a thorough Cumulative Effects analysis and summarize in the Technical Report. Analyze past, present, and future land uses and impacts across natural public landscapes in SE Arizona and how the proposed action, when added to them, effects visual resources at each analysis scale.                                                                                                                                                                                                                                                                                                                                                                          | Provide draft and final                         | Review and comment | Draft EIS (September 2009?) |
| <b>4d</b> | Summarize Technical Report for EIS Chap 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Provide draft and final                         | Review and comment | Draft EIS (September 2009?) |

| Within Current Contract | Notes                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------|
|                         |                                                                                                                                    |
|                         | Regional LA may be consulted to approve of process                                                                                 |
|                         |                                                                                                                                    |
| Y                       |                                                                                                                                    |
| N                       | USFS and SWCA need to define what is the required process for reclamation research in the EIS process and at what timing/schedule. |
| N                       |                                                                                                                                    |
| Y                       |                                                                                                                                    |

|   |   |   |   |  |   |   |   |
|---|---|---|---|--|---|---|---|
|   |   |   |   |  |   |   |   |
| Y | Y | Y | Y |  | Z | Z | Z |

|   |   |   |   |   |
|---|---|---|---|---|
|   |   |   |   |   |
| N | Y | Y | Y | Y |



"Stephen Leslie"  
<sleslie@swca.com>  
02/03/2010 09:53 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
bcc  
Subject RE: Rosemont - OHV Proposal

Thanks Debby – I'll give you a call after I've had a chance to go through this.

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Wednesday, February 03, 2010 6:39 AM  
**To:** Stephen Leslie  
**Subject:** Rosemont - OHV Proposal

Steve,

Here is Art's idea. In the recreation scope of work I gave you on Nov. 10, task #3, bullet 1 includes my recommendations for how you can help explore the idea. Let's discuss further after you've reviewed this and given it a little thought.

Thanks.

-----  
Debby Kriegel, RLA  
Landscape Architect  
Coronado National Forest  
300 W. Congress  
Tucson, AZ 85701  
(520) 388-8427  
Fax (520) 388-8305  
[www.fs.fed.us/r3/coronado/](http://www.fs.fed.us/r3/coronado/)  
[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)

----- Forwarded by Debby Kriegel/R3/USDAFS on 02/03/2010 07:34 AM -----

Arthur S Elek/R3/USDAFS

02/02/2010 04:12 PM

To Debby Kriegel/R3/USDAFS@FSNOTES  
cc  
Subject OHV

ART ELEK  
Fire Prevention Officer

**Nogales Ranger District  
303 Old Tucson Road  
Nogales AZ. 85621  
Office: (520) 761-6010  
Cell: (520) 975-7814  
Fax: (520) 281-2396  
e-mail [aelek@fs.fed.us](mailto:aelek@fs.fed.us)**



"Marcie Bidwell"  
<mbidwell@swca.com>  
03/19/2009 08:42 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
bcc  
Subject RE: Updated chart

History:  This message has been replied to.

Will try to look at those before we connect this afternoon

---

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Wednesday, March 18, 2009 4:16 PM  
**To:** Marcie Bidwell  
**Subject:** Re: Updated chart

Marcie:

Stuff that I highlighted to consider adding to the strategy spreadsheet:

1. Many items on the "Design Process - Landscape Architecture" chart. Summarize as possible, but include this kind of thought.
2. Many items on the spreadsheet with the 3 columns "EIS-Visual", "Visual Technical", and "Out of Scope" spreadsheet, especially stuff in sections 4.0 and 5.0.
3. Some items from the "EIS Process Steps spreadsheet", especially the last two items in Task 7.B
4. Clarify which items from "Rosemont EIS - Visual Resources Technical Report" (the one with tasks 1-3 and assumptions) are included on the new strategy spreadsheet and which items are currently in the contract.

If I've confused you, we can discuss.

Thanks!

Debby

"Marcie Bidwell" <mbidwell@swca.com>

03/18/2009 08:08 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
Subject Updated chart

<<Visual\_Resource\_Proposal\_2009-03-18.xls>>

Marcie Demmy Bidwell  
Environmental Planner

515 East College Avenue  
Durango, Colorado 81301

Office: 970.385.8566

Fax: 970.385.1938

[www.swca.com](http://www.swca.com) [attachment "Visual\_Resource\_Proposal\_2009-03-18.xls" deleted by Debby Kriegel/R3/USDAFS]



"Dale Ortman PE"  
<daleortmanpe@live.com>  
05/11/2010 08:55 AM

To "Beverley A Everson" <beverson@fs.fed.us>, "Debby Kriegel" <dkriegel@fs.fed.us>, "Salek Shafiqullah" <sshafiqullah@fs.fed.us>, "Melinda D Roth" <mreichard@swca.com>, "Tom Furgason" <tfurgason@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Marcie Bidwell"

Subject FW: Landform Design Report for the Rosemont Mine Project

History:  This message has been replied to.

All,

Attached is a PDF version of Horst Schor's revised Landform *Design Report for the Rosemont Mine Project* . This submission completes the one round of review & revision allowed in the current scope-of-work. The only remaining work element in the scope-of-work is to have Horst submit the required hard copies and final electronic copy on disc. Please review the attached report for final CNF acceptance prior to SWCA authorizing submission the final hard and electronic documents.

Regards,

Dale

---

Dale Ortman PE PLLC  
Consulting Engineer

(520) 896-2404 - Arizona Office  
(520) 449-7307 - Mobile  
(435) 682-2777 - Utah Office

[daleortmanpe@live.com](mailto:daleortmanpe@live.com)

PO Box 1233  
Oracle, AZ 85623

**From:** Horst [mailto:hjschor@jps.net]  
**Sent:** Monday, May 10, 2010 9:43 PM  
**To:** 'Dale Ortman PE'  
**Subject:** Landform Design Report for the Rosemont Mine Project

Dale,

All right – attached is the revised, corrected and supplemented Final Draft Report for your review.

Per your Memorandum of 4 May 2010 I have made the removals in accordance with the **General Comments 1 and 2** including both text and figures.

**General Comments 3:** With regards to the Task 3 I have expanded the discussions, options and opportunities in detail with regard to landform design for the three alternative disposal plans for Sycamore, Scholefield and McCleary Canyons to meet the requirements of the SOW.

**General Comments 4:** I have “threaded in” both the Constraints by Rosemont as well as my response to them at the end of the Summary Section so as to make it more part of the report rather than just an Appendix. The corrections and revisions on the attachment have also been made.

**REQUESTED ADDITIONAL INFORMATION::**

1. At the end of the text as a POSTSCRIPT I have added the description of five examples of applicable landform designs this author has previously performed
2. Not sure what this meant. Size of my previous projects (some information is incorporated in 1. above) or the size of the Rosemont landform project?
3. The Golder design issue was expanded as requested.
4. Drainage boundary for Barrel Canyon as well and the drainage facilities have been identified.

**EDITORIAL COMMENTS:**

Spelling errors, page and graphics corrections and additions (contour IDs, 500’ setback, sideboards ) and rewordings were made.

The gold line is from a Rosemont aerial outlining the limits of the fill placement and mine areas. I tried to remove it as much as possible.

Please take a look and let me know if you think it is all there.

A high resolution version where the contour labels are legible is available by using the link below:

<http://www.mediafire.com/?wzdmg3hhita>

Horst

[attachment "Rosemont Report -05-10-10- revised final draft std res.pdf" deleted by Debby Kriegel/R3/USDAFS]



"Marcie Bidwell"  
<[mbidwell@swca.com](mailto:mbidwell@swca.com)>  
01/28/2010 03:33 PM

To "Debby Kriegel" <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>  
cc  
bcc  
Subject RE: Mt Wrightson KOP from TT

Debby,

Agreed to all below.

This is MPO at YR 20, so the top will have 10-13 yrs growth by this time, depending on where on the pile it is.

one way to envision it is to think of bath tub rings for each lift that they build and reseed. However, the Reclamation Plan is slightly more complicated than that in that the phasing is not quite that linear. But the concept still works.

We did include some drainage swales with rip rap, some small drainage benches, and even a few failures if you look closely at the image.

Sprinkling is the right term, for sure, and at this view, there is not much shaping/aspect to be seen or respond to, almost all east facing- we are looking at the sides of the hot dog from this angle.

Call if you get back to the office today~  
Marcie

**From:** Debby Kriegel [<mailto:dkriegel@fs.fed.us>]  
**Sent:** Wednesday, January 27, 2010 1:00 PM  
**To:** Marcie Bidwell  
**Subject:** RE: Mt Wrightson KOP from TT

I'm ok with "sprinkling" some veg, but...

1. Volunteer trees will grow very, very slowly. Even seeding and seedlings will grow very, very slowly. Will shrubs and shrub-sized trees be visible from this distance?
2. The veg pattern will depend on landforms. Is this simulation for the MPO? 3:1 even side slopes? Not much will grow well, so veg scattering would be rather diffuse. For the phased tailings alternative with horizontal benches, lots of stuff will grow on the benches, creating strong visual veg lines.
3. You're showing the final buttress, right? Did you say it gets completed in year 7, but you're using topo for year 10 (because that's all we have)? Do we assume that veg growth (voluntary or seeded/planted) starts at year 7, but the topo is year 10, so there'd be 3 years of veg growth if this sim is year 10? Are you also planning to simulate a later date?

I'm in the office now, so feel free to call to discuss this and other stuff.

"Marcie Bidwell" <mbidwell@swca.com>

01/27/2010 08:22 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
Subject RE: Mt Wrightson KOP from TT

We were, but like you said it can make it into the FEIS

Here is an image of our first basic shot at MM44- not perfect, but showing veg at 10yrs (20 YR build out). We are still working on the pit, and need the study/information that you requested from RCC as to colors, textures.

What do you think of sprinkling some trees in a volunteer pattern? I will call to discuss

I need to get feedback on what to show on these for the reveg and at what years.

Marcie

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Wednesday, January 27, 2010 8:07 AM  
**To:** Marcie Bidwell  
**Subject:** Re: Mt Wrightson KOP from TT

Wow, I agree. This is not good.

There is currently lots of snow in upper elevations of the Santa Ritas, and the trails are probably unhikable (or very difficult to hike) for the next couple of months. Therefore this KOP won't make it into the DEIS. If there is an opportunity to get a better photo in late spring, let's pursue it then. Were you planning to do a simulation from this point?

"Marcie Bidwell" <mbidwell@swca.com>

01/25/2010 05:02 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc "Tom Furgason" <tfurgason@swca.com>  
Subject Mt Wrightson KOP from TT

Hello Debby,

Please find the Mt. Wrightson KOP photograph from TT attached.

In review of TT's photo , its limited in field of view (scope- only one frame), low resolution, and really hazy sun. It also might be zoomed in.

If we need to retake this photo, it will need to be well planned, as its a long hike in and it should ideally be shot in the morning, preferably before 11 on a clear day, so someone has to plan ahead.

I look forward to your feedback.

Marcie

Marcie Demmy Bidwell  
Environmental Planner  
130 Rock Point Drive, Suite A  
Durango, Colorado 81301  
Office: 970.385.8566  
Fax: 970.385.1938  
[www.swca.com](http://www.swca.com)

Debby Kriegel/R3/USDAFS  
06/10/2010 09:17 AM

To mbidwell@swca.com  
cc Debby Kriegel/R3/USDAFS@FSNOTES  
bcc

Subject Rosemont - items for Project Record

History:  This message has been forwarded.

Marcie,

When you met with Jamie Sturgess earlier this year, did you write up some notes to summarize what was discussed and what he agreed to? If so, would you please put that information in the project record?

Also, when you get a minute, please let me know what you've been making progress on.

Thanks!

~~~~~  
Debby Kriegel, RLA
Landscape Architect
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8427
Fax (520) 388-8305
www.fs.fed.us/r3/coronado/
dkriegel@fs.fed.us

Debby Kriegel/R3/USDAFS
02/23/2010 07:18 AM

To Kathy Arnold <karnold@rosemontcopper.com>
cc Debby Kriegel/R3/USDAFS@FSNOTES
bcc
Subject Re: FW: Mitigation Table - Debby's questions for Rosemont


History:  This message has been forwarded.

Kathy,

Dale Ortman and I have been discussing what might be possible for breaking up the uppermost horizontal benches in the pit. I am now well aware that it's not possible to remove the benches (or any significant portion of them), but he has suggested a couple of possible options: double benching or randomized benches. He mentioned that the latter is not a standard industry method, but may be applicable in the upper part of the pit wall scarp. For now, I'd like to add a little wording to one of the mitigation measures to capture the concept. Please let me know if this is acceptable.

Mitigation measure #15.3.3/238:

- Treat upper portions of the pit wall that are visible from Highway 83, the Arizona Trail, and other Concern Level 1 travelways and residential areas within 5 miles of the pit by (1) reducing the visual impact of horizontal safety benches by reducing the number of benches (double benching), placing benches in a randomized pattern, or similar, and (2) applying Permeon or similar to darken rock to match weathered rock on the ridge at the conclusion of operations. Verify that selected treatment will not create water quality problems. Review treatment at least every 5 years and adjust as needed to protect visual quality. If possible, plant vegetation on broken ledges on visible parts of pit wall.

Thanks.

Debby



"Marcie Bidwell"
<mbidwell@swca.com>
05/25/2010 11:27 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc
bcc

Subject FW: Rosemont - Visual Resources SOW

History: This message has been forwarded.

Debby,

Thanks for sending the approval through. Do you think the statement that "much of the work is not currently funded" needs any clarification? As its more tricky than just a blanket statement like that, and I am afraid that the statement portrays an untrue condition. Its more accurate to say that "Rosemont has agreed to the scope of work, but has currently only allocated 50% of the funding," or something like that.

I just dont want anyone who knows that there has been an agreement, even if partial, to think that we are exaggerating.

But perhaps that is implicit to Minde and Bev as they are aware of the situation.

Thought the meeting went well yesterday, did you?
Marcie

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Tuesday, May 25, 2010 10:45 AM
To: Beverley A Everson; Melinda D Roth; Tom Furgason; Marcie Bidwell
Cc: Debby Kriegel
Subject: Rosemont - Visual Resources SOW

I have reviewed SWCA's scope of work for visual resources, discussed many items with Marcie, and made some relatively minor edits to the original document.

I approve the attached Scope of Work with the following disclaimers:

1. Much of the work described here is not currently funded. This concerns me and needs to be resolved.
2. I would like Marcie to focus efforts on the specialist report. Writing the EIS should follow.
3. Although this scope describes the majority of the tasks needed for visual resources, there may some unforeseen items that would need to be added, such as:
 - Attendance at special meetings when Marcie's participation is desired and/or additional trip(s) to Tucson if needed to complete all work.
 - Site visits to other mines or reclamation projects, if appropriate and needed to collect information appropriate for the Rosemont project.
 - Additional simulations, if necessary for effects analysis.

~~~~~  
Debby Kriegel, RLA  
Landscape Architect  
Coronado National Forest  
300 W. Congress  
Tucson, AZ 85701  
(520) 388-8427  
Fax (520) 388-8305  
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dkriegel@fs.fed.us

Beverley A Everson/R3/USDAFS

04/07/2010 02:17 PM

To Debby Kriegel/R3/USDAFS@FSNOTES  
cc  
Subject Fw: Visual Resources SOW

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 04/07/2010 02:17 PM -----  
"Tom Furgason" <tfurgason@swca.com>

03/03/2010 03:50 PM

To "Beverley A Everson" <beverson@fs.fed.us>  
cc  
Subject Visual Resources SOW

Bev,

I'm sorry to make you ask again. Here is the visual SOW that we are authorized to work on. Please keep in mind that any violations in assumptions will likely require more money from Rosemont.



Tom[attachment "Doc1.docx" deleted by Debby Kriegel/R3/USDAFS] Scope\_Visual\_Resources\_2010\_05\_25.doc

## Task 5.2.Issue 2—Visual Resources

### Subtask A. Affected Environment Update for 6 Alternatives and Connected Actions

- Update affected environment to incorporate alternatives, for specialist report and EIS.
- Collect KOP in Tucson area with GPS and photography.
- Update basic existing conditions maps to show key observation points (KOPs), sensitive viewer areas, bounds of analysis, concern levels, and scenic objective classes.

### Subtask B. Prepare Alternatives Data: Convert CAD and Construct 3D GIS Surface

- Process CAD data and model data for GIS digital elevation modeling. Generate 3-D digital surfaces for the MPO and proposed alternatives at each construction phase selected for simulations.
- Create one set of 3-D working maps and diagrams for USFS and RCC to review potential scene from each KOP to be selected.
- Budget Assumptions: 12 data sets to process each alternative at 20-yr Phase and one additional time phase mid-construction.

### Subtask C. Prepare KOPs, Existing Conditions, Panoramas, and Visibility Maps

- Review all alternatives and KOPs established by the USFS and KOPs to propose to USFS for analysis, simulations, and level of detail for connected actions to define areas where impacts from the project is expected to be highly visible, distantly visible, and not visible (i.e. blocked or out of view)
- Prepare "existing conditions" panoramas for potential KOP simulations and review for use as simulations. For KOPs where project would be visible, select a phase to represent for each KOP in addition to Reclamation (i.e. construction at 5 years, etc.).
- Meet with USFS and RCC to review data, KOP selection and "photo realistic" process (1-2 meetings) includes meeting preparations, meetings, and meeting summaries. Review draft simulations with specialists from USFS, SWCA, and RCC to direct specific aspects of renderings (soils, reveg, etc.)
- Budget Assumptions: 8 KOPs 20-yr Phase and additional Phase for 6 KOPs

### Subtask D. Draft Specialist Report Analysis Methodology and Evaluation Criteria

- Draft analysis methods and evaluation criteria that will be used to define and evaluate project effects for the project resources included in the study for all alternatives and KOPs.

### **Subtask E. Draft Visibility Diagrams and Simulations; Review with USFS/RCC**

- Create computer simulations of proposed alternatives (6 total action alternatives) for selected KOPs for highly visible, moderately visible, and distantly visible locations. Highly visible and moderately visible KOPs simulations will show 2 phases of the proposed alternatives for each KOP (e.g. TBD construction phase and 20-yr final reclamation). Each simulation will show waste rock and tailing pile forms, pit, roads, stormwater, vegetation, and infrastructure.
- For KOPs where the MPO and proposed alternatives would not be visible, prepare a section diagram or labeled panorama showing key landscape features and visual screen.
- Prepare photorealistic simulation images for KOPs.
- Review draft simulations with resources specialist from RCC, USFS, and SWCA to direct specific aspects of renderings; reclamation, soils, vegetation, etc.
- Complete a Draft review with USFS and RCC staff at meeting in Tucson.

### **Subtask F. Prepare Environmental Consequences Analysis**

- Prepare an environmental consequences analysis for Specialist Report. Report will include analysis of direct, indirect, and cumulative effects, and compare alternatives. Utilize direction from FSM/FSH and USFS Project Level Scenery Analysis. Deliverables: Completed Visual Resources Specialist Report for all alternatives including draft simulations, visibility diagrams, and maps.

### **Subtask G. Finalize Diagrams and Simulations; Review with USFS/RCC**

- Complete changes to simulations.
- Submit final formatted figures (e.g. panoramas, diagrams, simulations) to USFS and RCC for final approval.
- Budget Assumptions: Diagrams and Simulations will focus on land forms and will include 1 final review with USFS and RCC.

### **Subtask H. Final Specialist Report.**

- Finalize Specialist Report and review with USFS.
- As needed, provide text for EIS.

### **Assumptions:**

- Costs are based upon deliverables for each proposal according to the number of KOPs brought forward for simulations and figure diagrams. All alternatives will describe up to 24 KOPs for the analysis process. Revised USFS and USFS original budgets include up to 8 panoramas, non-visible KOPs diagrams for up to 6 KOPs, and simulations of highly visible and moderately visible KOPs for 8 KOPs for each of 6 proposed alternatives (up to 48 simulations) at 20-yr final reclamation and up to 6 KOPs for a construction phase per alternative (36 simulations). However, not

all KOPs will require simulations for all alternatives (i.e. Sycamore canyon will not be visible from many of the KOPs along SR 83). KOPs and level of detail for simulations will be formalized at the initial simulation meeting; however costs are assumed based upon the list of KOPs provided by the USFS Simulation Strategy.

- RCC to provide all data and elevations required for simulations, including a 3D model of any facilities, structures, or transmission infrastructure. USFS, RCC and SWCA will collectively contribute example imagery for depicting coloration, texture, formations, structures, and other details for portrayal in the simulations prior to simulations initiating. Surface data or changes to surface data that is provided/requested after 3D modeling is initiated will be incorporated on a time and materials basis. Direction regarding these details that is received after simulations have been initiated that varies dramatically may result in a change order. Simulations that require detailed development of the mine plant will be completed on a time and materials basis. Field work for 10 of the 14 KOPs has already been collected under the Visual Technical Report scope. SWCA assumes that Mt. Wrightson has been photographed by Rosemont's subcontractors and SWCA will be able to use this panorama for simulations. It is assumed that field documentation will be required for Box Canyon and Tucson KOPs at a minimum. Changes to the KOPs or to the construction phase selected for simulation after this meeting may require additional field work and may result in a change order. Additional KOPs, simulations, phases, or alternatives may be requested for an additional fee.
- Simulations will be classified as "highly visible" or "moderately visible". Highly visible simulations will show detailed variations in land form, vegetation, color, and texture for tailings and waste rock placement. Moderately visible simulations will show general variations in land form, vegetation, color and texture due to the level of detail being reduced by the distance of the viewer from the project area.
- Should KOPs simulations require extensive details of mining facilities, conveyors, equipment, transmission lines, etc, the work for these layers will be performed on a time and material basis, due to the unpredictable level of detail and effort required for these structures.
- Research for revegetation species and growth rates shall be provided by a separate contract funded by Rosemont. Based on findings, RCC and USFS are to agree upon the level of reclamation and vegetation success to be rendered prior to initiation of photoreal simulations. Changes in the direction given to SWCA to represent these aspects will require a change order, should they require additional time and effort to address.
- RCC will provide example photographs of existing reclamation, mining structures, vegetation mixes, soil types and colors, and other data to SWCA prior to the initiation of the simulations. Necessary imagery will be discussed at simulation meeting.
- This estimate assumes that SWCA will create 3D surfaces for MPO and proposed alternatives from RCC CAD drawings for up to 2 phases of construction. Should RCC provide GIS surfaces, these costs may be reduced accordingly.

- Changes in data, proposed action, and level of detail requested for simulations, phases of construction, and resolution of imagery after project initiation will require adjustments based upon time and materials. SWCA will submit surfaces to RCC and USFS for review prior to creation of simulations.
- Cost estimate includes two in-person meetings as two trips to Tucson for Marcie Bidwell to work with USFS and RCC on simulations, per direction of USFS staff. Additional trips may be required by USFS or RCC, and these will be arranged through an additional change order. Each task includes meeting hours for senior staff, visual specialist, editors as necessary and senior GIS under each task; additional meetings may be arranged on a time and materials basis.
- This scope of work includes one round of draft review and one round of final review for specialist report and simulations, unless review comments are extensive, in which case an additional draft review may be needed. Additional changes, reviews, or updates will require an additional change order. Ideally, review of final images will require minimal edits agreeable to both USFS and RCC for accurate portrayal of the MPO. Explorations of mitigation options (such as painting facilities alternative colors or reducing pit contrast through other than agreed-upon mitigation treatments ) would be covered under an additional scope. USFS and RCC should attempt to synchronize their comments prior to submittal to SWCA; should differences of opinion occur, SWCA will default to USFS guidance as the official SWCA client.



"Marcie Bidwell"  
<mbidwell@swca.com>  
01/22/2010 02:57 PM

To "Marcie Bidwell" <mbidwell@swca.com>, "Debby Kriegel"  
<dkriegel@fs.fed.us>, "Tom Furgason"  
<tfurgason@swca.com>  
cc "Melissa Reichard" <mreichard@swca.com>, "Trent Reeder"  
<treeder@swca.com>  
bcc

Subject RE: Update on Visual Resouces

In discussion of the list below with Debby, here are our conclusions:

**1. TT SCOPE:** TT scope should be reviewed to see if the simulations that they are proposing are necessary and reduce the size of this scope if they have not already completed it. While as an illustration these diagrams might be useful, as an analysis tool, the multiple KOPs and multiple views are not useable in the anlysis as there is no scientific or defensible basis to the timeframe, growth of vegetation, and scale.

**2. COMBINED LIST OF KOPS:** List of KOPs to be combined is a fine principle. Marcie to do some checking to make sure that they will work.

**3. VIEWSHED ANALYSIS PRESENTATION:** Viewshed Analysis would be ok for TT to do, if they follow the right protocol. The final deliverable should be a combined KOP map showing all the KOPS used for visual analysis on one map. Color will be required unless they can find out a way to do it without the color, but the landscape color and visibility layers seem to make color necessary.

The TT scope may be reduced by only producing (1) map per alternative (8 total, instead of 46) and they can use less KOPs by only including the ones that are within the USFS *middleground* distance. I am shortening the list for them and providing the dirctions for presentation.

Thanks  
Marcie

(Melissa, please include this chain of emails in the record- thanks)

---

**From:** Marcie Bidwell  
**Sent:** Wednesday, January 20, 2010 4:42 PM  
**To:** 'Debby Kriegel'; Tom Furgason  
**Cc:** Melissa Reichard; Trent Reeder  
**Subject:** Update on Visual Resouces

Hello Debby,

I wanted to bring an update to you on visual scope, budget, and a few other details.

The meeting proposed for this week has been postponed for now, and I would like to propose a meeting next week (Thursday or Friday, Feb 28-29 or following Monday) to finalize direction on simulations (colors, textures, planting, etc) for SWCA's analysis and scope.

### 1. TT Scope

Rather than having a meeting, Rosemont and TT caught Tom and I on the phone to just go over the basics. In talking with Rosemont and Tetra Tech, I have a better understanding of what Sage and Tetra Tech has been scoped to do (summarized as the following bullets). I have encouraged TT to submit this scope to you so that you are aware of their activities and can give any guidance that would be beneficial to their project. They said that their scope includes:

- **KOP Viewshed Analysis** for up to 8 KOPs with views of disturbed ground for all 6 alternatives
- **Simulations from 2 KOPs of full vegetation growth and a mid-stage vegetation growth** (MM 46 and MM 44) (like the image in the December deliverable for the land forming tour).
- **Simulations from Overview Image** (Aerial photo or Oblique Angle) with full vegetation growth and a mid-stage vegetation growth (similar objective of showing final vegetation but from the birds-eye view).

Additionally, you may be interested in providing feedback as to the process that Sage is using for their simulations. For instance, I am not sure how full vegetation and mid-stages are being defined or what they are attempting to show. If some of the list above you do not see as useful, there may be other ways to direct this effort. Its up to you.

## 2. COMBINED LIST OF KOPs

We discussed the KOPs that the USFS had selected in June, compared them with the KOPs that TT was working with. These KOPs continue to provide the coverage for the top priority KOPs that you selected, and fill in some data gaps for the KOPs that were on the USFS list (mainly Mt. Wrightson and the AZ trail).

From this, TT and SWCA would like to propose the following "combined list" for your consideration. To reduce confusion for everyone, the following KOPs and naming conventions were recommended (also in attached excel file for better formatting):

| <b>FINAL Name</b> | <b>Location</b>                            | <b>USFS KOP Name</b> | <b>TT KOP Name</b>            |
|-------------------|--------------------------------------------|----------------------|-------------------------------|
| KOP 01            | MM 46- Picnic Table Pull Off               | KOP 4                | <i>Replaces</i> KOP-3         |
| KOP 02            | MM 44- Scenic Pull Off                     | KOP 12               | <i>Replaces</i> KOP-1         |
| KOP 03            | Arizona Trail                              | KOP 5                | <i>Replaces</i> KOP-4         |
| KOP 04            | Mount Wrightson- Four Spring Trail         |                      | <i>Replaces</i> KOP 17 KOP-11 |
| KOP 05            | North of Sonoita Junction                  | KOP 8                | KOP-12                        |
| KOP 06            | Las Cienegas BLM Kiosk/ Empire Ranch Entry |                      | KOP 11 (new)                  |
| KOP 07            | Hilton Ranch Road rural residential area   |                      | KOP 16 (new)                  |
| KOP 08            | Box Canyon Road/ Arizona Trail Crossing    |                      | (new) KOP-7                   |
| KOP 09            | Sahuarita Road                             | KOP 20               | (new)                         |

This is just the short list. The other USFS KOPs would still be used for analysis.

Several of TT's KOPs are very similar to the USFS selected ones, and these were matched. A few fill in data gaps from USFS list (Mt. Wrightson and Box Canyon). Several of TT's KOPs would then be dropped from the list, as they were additional to the USFS ones (upslope of the pit, Gunsight,etc) unless you feel differently.

## 3. Viewshed Analysis- presentation

Tetra Tech would like some direction from the USFS on how to present the viewshed analysis to fit into the overall analysis process.

**3.1. What KOPs should they use?** We discussed that they would use the top 8 KOPs, what I am calling the "short list" from your strategy for the detailed analysis.

### **3.2. How should they present the results?**

I suggested the following options:

- Views of Disturbed Area (this is what TT diagrams show now, only views of inside the active mining area)
- Full Cone of Vision (typical presentation, one KOP per map showing the full spectrum of their view)
- Multiple KOPs overlain on one map, the "cumulative viewshed analysis" that you and I discussed last week.
- Just deliver the data, not maps, to the admin record and SWCA can map it.

### **4. SWCA Scope and Analysis- any adjustments?**

Once we have a chance to discuss these, let me know if you see any adjustments to SWCA's scope of work. I will not proceed with viewshed analysis maps, unless you feel we should still do them.

<< File: KOP Combined List.xls >>

That's it for now!!

Marcie

Marcie Demmy Bidwell  
Environmental Planner  
130 Rock Point Drive, Suite A  
Durango, Colorado 81301  
Office: 970.385.8566  
Fax: 970.385.1938  
[www.swca.com](http://www.swca.com)



"Marcie Bidwell"  
<mbidwell@swca.com>  
09/22/2009 08:05 AM

To "Marc Kaplan" <mkaplan@fs.fed.us>  
cc "Debby Kriegel" <dkriegel@fs.fed.us>, "Stephen Leslie"  
<sleslie@swca.com>, "Trent Reeder" <treeder@swca.com>  
bcc  
Subject RE: Fw: Rosemont - Updated Map of Visually Sensitive  
Travelways

Thank you Marc,

I will follow up with Debby regarding next steps for the visual analysis for Rosemont.

Do you anticipate revisions in the near term?

Please continue to send data as updates and corrections occur.

Thank you,  
Marcie

**From:** Marc Kaplan [mailto:mkaplan@fs.fed.us]  
**Sent:** Monday, September 21, 2009 2:12 PM  
**To:** Marcie Bidwell  
**Cc:** Debby Kriegel; Stephen Leslie; Trent Reeder  
**Subject:** RE: Fw: Rosemont - Updated Map of Visually Sensitive Travelways

Here is the shapefile for concern levels 1 through 3 in the Santa Ritas and surrounding major roads. This file has not been cleaned of topological errors and is still being reviewed to make certain correct attributes are sticking. NAD 83 UTM 12 This shapefile is still under review, but is the most recent we have.

Thank you

Marc

Marc G. Kaplan  
Planner Analyst  
Coronado National Forest  
300 W. Congress, Tucson, AZ 85701  
520-388-8358

"Marcie Bidwell" <mbidwell@swca.com>

09/16/2009 09:39 AM

To "Marc Kaplan" <mkaplan@fs.fed.us>, "Debby Kriegel" <dkriegel@fs.fed.us>  
cc "Stephen Leslie" <sleslie@swca.com>  
Subject RE: Fw: Rosemont - Updated Map of Visually Sensitive Travelways

Marc,

Please CC [treeder@swca.com](mailto:treeder@swca.com) on Friday, as I may be away from the office.

Thank you,  
Marcie

**From:** Marc Kaplan [mailto:mkaplan@fs.fed.us]  
**Sent:** Wednesday, September 16, 2009 10:32 AM  
**To:** Debby Kriegel  
**Cc:** Marcie Bidwell; Stephen Leslie  
**Subject:** Re: Fw: Rosemont - Updated Map of Visually Sensitive Travelways

I expect to send by COB this Friday.

Thank you

Marc

Marc G. Kaplan  
Planner Analyst  
Coronado National Forest  
300 W. Congress, Tucson, AZ 85701  
520-388-8358

Debby Kriegel/R3/USDAFS

09/16/2009 07:09 AM

To Marc Kaplan/R3/USDAFS@FSNOTES  
cc  
Subject Fw: Rosemont - Updated Map of Visually Sensitive Travelways

Hi Marc,

Would you please send the GIS shapefiles for the Santa Rita Concern Level 1, 2, and 3 travelways to 2 people at SWCA?

[mbidwell@swca.com](mailto:mbidwell@swca.com)  
[sleslie@swca.com](mailto:sleslie@swca.com)

Thanks!

Debby

----- Forwarded by Debby Kriegel/R3/USDAFS on 09/16/2009 07:07 AM -----

"Marcie Bidwell" <mblidwell@swca.com>

To "Stephen Leslie" <sleslie@swca.com>, "Debby Kriegel" <dkriegel@fs.fed.us>

09/15/2009 08:38 AM

cc "Trent Reeder" <treeder@swca.com>

Subject RE: Rosemont - Updated Map of Visually Sensitive Travelways

Debby,

Steve's points apply to visual as well. Visual and rec AE was submitted back in June/July.

We definitely will need the GIS layers that you used to create this map to analyse the CL's. Please forward those at your nearest convenience (or have Terry contact Trent).

Thanks,  
Marcie

**From:** Stephen Leslie

**Sent:** Tuesday, September 15, 2009 9:35 AM

**To:** Debby Kriegel; Marcie Bidwell

**Subject:** RE: Rosemont - Updated Map of Visually Sensitive Travelways

Debby,

This looks good. Just so you know, I have already submitted the initial draft affected environment for recreation. I'll keep this information handy for when we respond to any other necessary changes. Have you provided the travelways data in GIS yet? We'll need that in order to quantify miles of travelways that would be impacted by each alternative.

Thanks,  
Steve

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Tuesday, September 15, 2009 8:06 AM  
**To:** Marcie Bidwell; Stephen Leslie  
**Cc:** Debby Kriegel  
**Subject:** Rosemont - Updated Map of Visually Sensitive Travelways

Attached is an updated map showing Concern Level 1, 2, and 3 travelways for the Santa Rita Mountains. Our original CL map was 10 years old. The Rosemont project inspired me to review this map, discuss it with our district field person, and make a few changes.

CL1 travelways are most sensitive. CL2 are moderately sensitive. CL3 are least sensitive.

Marcie: Please use this as you write the affected environment section for visual quality. I also sent this map to Jimmy Pepper.

Steve: CL1 roads and trails are our most popular recreation routes. This should be useful as you write affected environment for recreation, and possibly will be a good starting point for exploring restoration of road connections/loops post-mine.

Thanks.



"Tom Furgason"  
<tfurgason@swca.com>  
05/04/2009 02:01 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc "Marcie Bidwell" <mbidwell@swca.com>  
bcc  
Subject RE: FW: AZ trail

Debby,

Re: A couple of questions:

1. Did you happen to take photos at the possible KOP sites? No, but when I understand the protocol I'll be happy to return to the KOP sites.
2. Could you determine what portion of the trail was re-routed? I still haven't seen any maps that show both the old and new alignments and I'm curious what changed. Actually, none of the trail was really re-routed. What did change was the *proposed* route prior to construction. I don't mean to be difficult, but I suspect that route originally proposed by the AZ Trail Association (AZTA) isn't particularly relevant because I don't think that they had CNF authorization for construction. It is my understanding that Sage did an EA per the direction of the CNF that resulted in a FONSI for the current (only) route. It seems to me that the CNF NEPA process for the EA worked in that it resolved potential future conflicts. The EA may have the proposed route and we should get a copy to be thorough. Also, we can probably get the original proposed route from AZTA.

Tom

---

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Monday, May 04, 2009 12:45 PM  
**To:** Tom Furgason  
**Cc:** Debby Kriegel  
**Subject:** Re: FW: AZ trail

Tom,

Thank you for doing this!! I forwarded your map to Marcie and Steve for their use in scenery & recreation work.

Let's discuss your KOP ideas this week when you, me, and Marcie are together (Wed or Thurs).

A couple of questions:

1. Did you happen to take photos at the possible KOP sites?
2. Could you determine what portion of the trail was re-routed? I still haven't seen any maps that show both the old and new alignments and I'm curious what changed.

Thanks again!

Debby

"Tom Furgason"  
<tfurgason@swca.com>

05/04/2009 09:25 AM

To <dkriegel@fs.fed.us>, "Marcie Bidwell" <mbidwell@swca.com>  
cc "Kathy Arnold" <karnold@rosemontcopper.com>, "Beverley A Everson" <beverson@fs.fed.us>,  
"Charles Coyle" <ccoyle@swca.com>  
Subject: FW: AZ trail

Debbie,

I rode a portion of the Las Colinas segment of the Arizona Trail from FS 231 to Oak Tree Canyon. I didn't have much luck finding the trail north of FS 321 and I didn't spend a lot of time searching because the AZ Trail web page indicated that the last four miles of the route had only been flagged and not constructed. I also rode the portion of the Santa Rita Mountains segment from Oak Tree Canyon to Greaterville Road.

I used the "Tracks" feature on a Garmin Vista GPS that has an accuracy of approximately 3 meters. Based on observations during my ride, the trail looks to be mapped fairly accurately – at least as accurate as the USGS topo itself. Attached are the map and shape files for you to use in any manner you see fit.

I also made some mental notes regarding potential KOPs along portions of the two segments. I'd be happy to come by your office in the next few days to point these out on the map for your consideration. We can also wait for Marcie's arrival if you feel like you don't need the extra time to consider these observations. Just let me know how you would like to proceed.

Tom

---

**From:** Lara Mitchell  
**Sent:** Monday, May 04, 2009 8:44 AM  
**To:** Tom Furgason  
**Subject:** AZ trail

[attachment "AZT-lascolinas.pdf" deleted by Debby Kriegel/R3/USDAFS] [attachment "AZT.dbf" deleted by Debby Kriegel/R3/USDAFS] [attachment "AZT.shx" deleted by Debby Kriegel/R3/USDAFS] [attachment "AZT.shp" deleted by Debby Kriegel/R3/USDAFS] [attachment "AZT.sbx" deleted by Debby Kriegel/R3/USDAFS] [attachment "AZT.sbn" deleted by Debby Kriegel/R3/USDAFS] [attachment "AZT.prj" deleted by Debby Kriegel/R3/USDAFS]



"Marcie Bidwell"  
<[mbidwell@swca.com](mailto:mbidwell@swca.com)>  
04/06/2010 09:30 AM

To "Debby Kriegel" <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>  
cc  
bcc  
Subject Santa Ritas and MPO profile

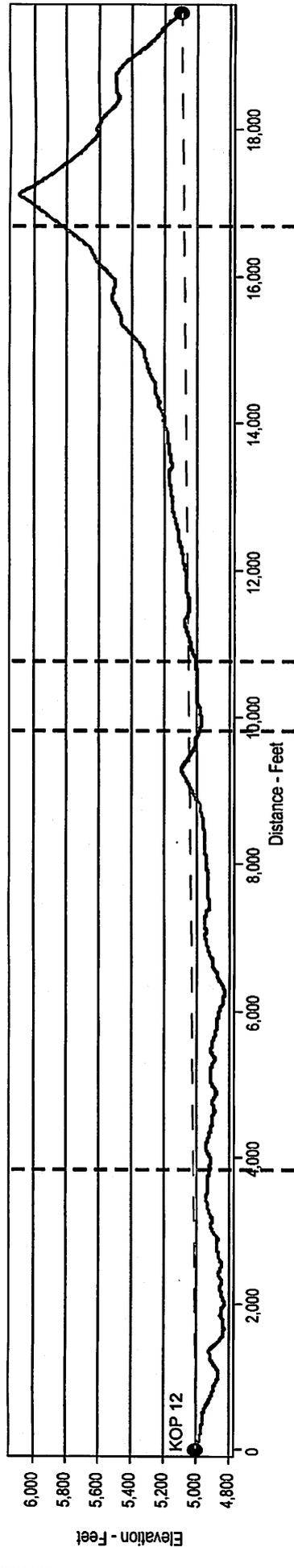
<<MPO Profile.pdf>>

Marcie Demmy Bidwell  
Environmental Planner  
130 Rock Point Drive, Suite A  
Durango, Colorado 81301  
Office: 970.385.8566  
Fax: 970.385.1938

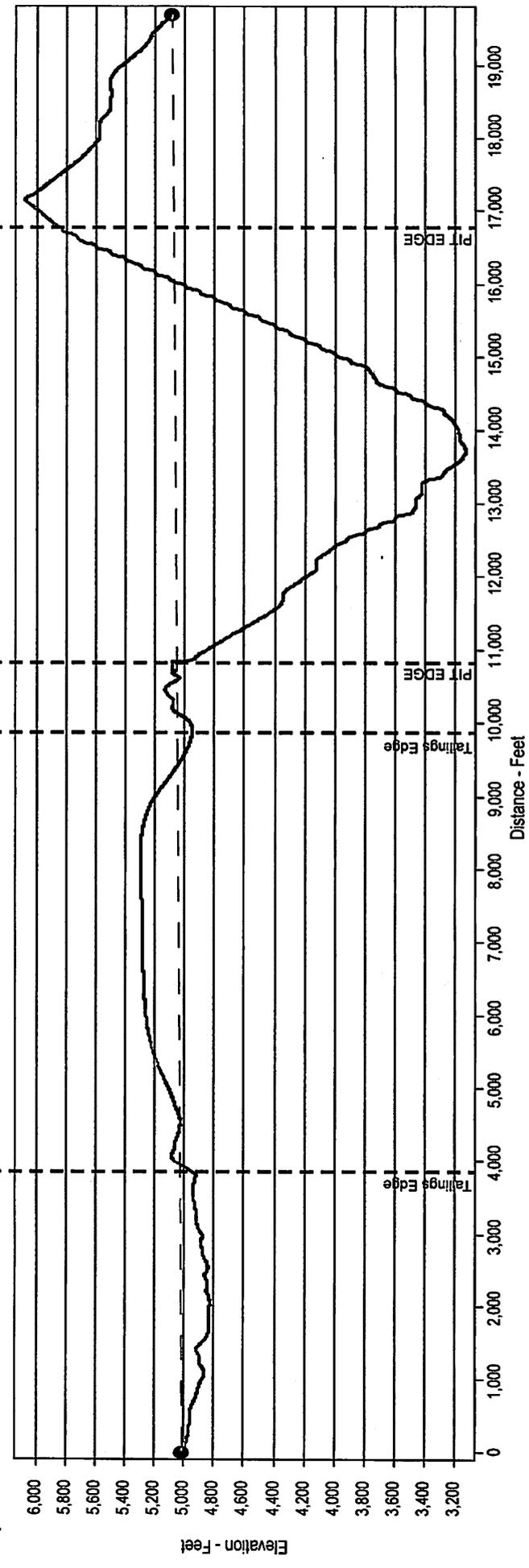


[www.swca.com](http://www.swca.com) MPO Profile.pdf

Existing Conditions Profile Line from KOP 12



Proposed Action Profile Line from KOP 12





"Dale Ortman PE"  
<daleortmanpe@live.com>  
02/10/2010 02:25 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc "Melinda D Roth" <mroth@fs.fed.us>, "Beverley A  
Everson" <beverson@fs.fed.us>, "Salek Shafiqullah"  
<sshafiqullah@fs.fed.us>, "Tom Furgason"  
bcc

Subject FW: Rosemont Landform Project

History:  This message has been replied to.

Debby,

Horst has agreed to a schedule that completes his work in time.....

Dale

**From:** Horst [mailto:hjschor@jps.net]  
**Sent:** Wednesday, February 10, 2010 11:26 AM  
**To:** 'Dale Ortman PE'  
**Subject:** RE: Rosemont Landform Project

Dale:

To clarify my situation with regards to the deadline now prescribed please understand that before I can start any Landform design work it is imperative to keep in mind that:

1. **I need written authorization to proceed.**
2. **I do not need** the Golder report to initiate Landform design work. There is much preliminary topographic analysis, volume computations and design evolution that has to be done before Golder's work comes into play.
3. No later than one week after start of my design work I will need the three (3) items listed under Section 2 "Available Information" in my last proposal (facilities location, heritage areas and the topography for three alternative waste layouts) in the formats stated.

With the delays encountered thus far, at this point **every day counts** and it is imperative in order to come close to the suggested March 3 deadline that I receive **written authorization before February 15.**

Three (3) weeks are needed for a design undertaking of this magnitude and based on this and the above I foresee at this point a completion of the work by **March 8, 2010.**

Per your revised task schedule:

Task 1 \$ 4,000  
Task 2 \$27,000  
Task 3 \$ 5,000

Task 4b \$ 3,500

Total \$39,500

This is a design of considerable complexity that cannot be rushed through and done right.

I hope the team can understand and appreciate my position as I have been anxious to move forward with this assignment for quite some time.

Horst

**From:** Dale Ortman PE [mailto:daleortmanpe@live.com]

**Sent:** Tuesday, February 09, 2010 2:43 PM

**To:** 'Horst'

**Cc:** 'Debby Kriegel'; 'Melinda D Roth'; 'Tom Furgason'; 'Marcie Bidwell'; 'Melissa Reichard'

**Subject:** Rosemont Landform Project

**Importance:** High

Horst,

The CNF has committed to finalize the list of alternatives for consideration in the Rosemont DEIS by March 15<sup>th</sup> and must determine if landforming is a viable alternative prior to that date. Therefore, the essential elements in your proposal of January 10, 2010 must be completed in time for the CNF to include them in their decision making process. Golder has confirmed that they will submit their report on Monday February 15 and you can receive a copy no later than the following day. In order to meet the deadline it is necessary for you to complete the following work elements no later than March 3<sup>rd</sup>:

- Task 1, Second bullet item - "review.... Golder's report and its implications for the Landform design." Note: Golder will be available for limited consultation.
- Task 2 – Landform Design
- Task 3 – Study three alternative locations for mine waste disposal
- Task 4b – Presentation of Landform design plans and findings to team members in Tucson. Note: In order to expedite the work schedule the design report (Task 4a) is not included in this work. Completion of the design report will be held until after the presentation.

Please let us know if you are able to complete the reduced scope-of-work within the necessary schedule, and any cost modification associated with the revision.

Regards,

Dale

---

Dale Ortman PE PLLC  
Consulting Engineer

(520) 896-2404 - Arizona Office  
(520) 449-7307 - Mobile  
(435) 682-2777 - Utah Office

[daleortmanpe@live.com](mailto:daleortmanpe@live.com)

PO Box 1233  
Oracle, AZ 85623

Beverley A Everson /R3/USDAFS

08/14/2008 01:18 PM



To Reta Laford/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, John Able/R3/USDAFS@FSNOTES, Andrea W Campbell/R3/USDAFS@FSNOTES, Jennifer Ruyle/R3/USDAFS@FSNOTES, Walter Keyes/R3/USDAFS@FSNOTES, Salek Everson/R3/USDAFS@FSNOTES, Debby Krieger/R3/USDAFS@FSNOTES, Keith Shafiqullah/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, L Graves/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES, Shane Lyman/R3/USDAFS@FSNOTES, Eil Robert Lefevre/R3/USDAFS@FSNOTES, Christopher C LeBlanc/R3/USDAFS@FSNOTES, Curiel/R3/USDAFS@FSNOTES, Mary M William B Gillespie/R3/USDAFS@FSNOTES, Alan Belauskas/R3/USDAFS@FSNOTES, Kendall Farrell/R3/USDAFS@FSNOTES, Thomas Skinner/R3/USDAFS@FSNOTES, Larry Brown/R3/USDAFS@FSNOTES, Kendra L Bourgart/WO/USDAFS@FSNOTES, Janet Jones/R3/USDAFS@FSNOTES, Roxane M Raley/R3/USDAFS@FSNOTES, Heidi Schewel/R3/USDAFS@FSNOTES, tfurgason@swca.com, mreichard@swc.com, gsoroka@swca.com, kcox@swca.com, rbowers@swca.com, jmactivor@swca.com, Charles A Blair/R3/USDAFS@FSNOTES

cc

bcc

Subject San Manuel Field Trip, Wednesday, August 20, leaving at 7:00 a.m. from Federal Building

Hi Everyone,

We will be departing from in front of the Federal Building by bus for San Manuel promptly at 7:00 a.m. next Wednesday. Please let me know if you live in the Oro Valley area and prefer to meet the bus there at the Home Depot Store at 10855 N. Oracle Rd. We will look for you between Home Depot and Sports Authority at around 7:30.

Most of Arizona's metal mines were operated in the late 1800s, typically as underground operations. San Manuel is no exception, however, large scale underground mining did not begin until 1952. Open pit mining began in 1985, and all operations ceased in 1999 due to low copper prices. Surface reclamation of the area began a couple of years later and was completed at a cost of \$59 million in May of 2006 (though some reworking of the reclamation areas has continued). The reclamation was a "topographic based" design where reclaimed areas were recountoured to blend with the surrounding natural topography and then revegetated.

The San Manuel operation was a very important part of the economy and history of the area for multiple generations. The topping of the smelter stacks associated with the operation in January of 2007 was seen as progress to some, and the sad end of an era for others. We will learn a little more about the history of the operation with the site visit along with seeing the interesting reclamation techniques.

I will be forwarding a white paper comparing San Manuel and the proposed Rosemont Copper Project to you once I receive it from the company.

See you Wednesday.

**Debby Kriegel/R3/USDAFS**  
07/26/2010 10:03 AM

To tjchute@msn.com, Melinda D Roth/R3/USDAFS@FSNOTES  
cc Robert Lefevre/R3/USDAFS@FSNOTES, Debby  
Kriegel/R3/USDAFS@FSNOTES  
bcc  
Subject Rosemont Mine: tree and shrub research needed for  
reclamation

Terry and Mindee,

Bob Lefevre has reviewed Jeff Fehmi's reports, and has also made comments on what work is complete and what is still needed. Please review the attached document.

Tom Furgason told me on Friday that he needs FS leadership to approve the scope of work and to tell Rosemont that this work is needed. SWCA can then identify a person with the right background to proceed.

Thanks.

~~~~~  
Debby Kriegel
Landscape Architect
(520) 388-8427

----- Forwarded by Debby Kriegel/R3/USDAFS on 07/26/2010 09:47 AM -----

Robert Lefevre/R3/USDAFS
07/26/2010 09:31 AM

To Debby Kriegel/R3/USDAFS@FSNOTES
cc
Subject trees and Shrubs Research needs for reclamation

Debby, I went through the document and highlighted those items that were not yet done in yellow and those that I think are done or at least partially done enough to proceed in green. There are comments on each bullet. I hope this is what you needed. Let me know.



Rosemont_Research_Trees_and_Shrubs_Scope_of_Work_Lefevre.docx

I have not received any comments from Craig in response to your question to him (in red near the bottom of the first page). Have you?

Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373

Scope of Work - Research on establishing trees and shrubs on the Rosemont Mine site

May 27, 2010

The purpose of this research is to develop a strategy for the success of trees and shrubs on reclaimed lands in the proposed Rosemont Mine area (primarily the waste rock and tailings piles). The current research on seeding is an excellent start, but reclamation also needs to include trees and shrubs (including cacti) in order to more quickly stabilize the slopes and meet visual quality and other resource goals.

Recommended Tasks

- Review previous revegetation research for establishing trees and shrubs on similar projects (i.e., mines or other large projects, similar vegetation types, similar elevation and climate, etc.). One contact should be Dr. John Harrington (joharrin@nmsu.edu).
- Review the research paper "Flora and Vegetation of the Rosemont Area", McLaughlin and Asdall, 1977 (Debby Kriegel or Larry Jones can provide this document) and contact Brian Lindenlaub (WestLand). Consider both pre-settlement densities (e.g., using old photo points as references) as well as the desire to make mine blend in with vegetation surrounding the site. Patterns of plants on the reclaimed slopes should generally mimic those in the surrounding landscape, but fewer trees may be appropriate.
- Determine how re-establishment of some Madrean Encinal habitat would benefit N-S and E-W wildlife corridors and gene flow for wildlife species. Coordinate this work with Larry Jones.
- Using the General Ecosystem Survey and the 1977 report "Flora and Vegetation of the Rosemont Area, determine the potential for grass, shrub, and tree canopy.
- Evaluation criteria for success of trees and shrubs during the bonding period can be set using standard reforestation protocol. Typically, survival surveys are conducted on tree plantation sites one, three, and five years after planting with a 90% survival expected for successful regeneration.
- Determine which species and sizes of trees and shrubs would be successful on the outermost materials (rock and growth medium) planned for the mine site. Plants could include salvaging/transplanting, seedlings, and/or container plants. Review studies of stock size and transplant success. Determine the best planting methods (season, site prep, supplemental moisture, etc.). Consider salvaging mature shrubs to develop off-site seed production blocks.
- In order to assure that local plant genetics are maintained, trees and shrubs from the area only will be used for transplanting or seed collection.
- Determine whether the success or failure of the seed mix plants would have influence on any of the tree and shrub species. For example, if the seed mix plant growth is very robust, would clearing be required prior to planting trees/shrubs? Set standards for invasives on other seed contaminates. Determine whether the direct seeding (hydro or drilling) be done simultaneously with the transplanting. *Craig, do you have information on this subject for live oaks and shrubs such as rhus and ceonothus?*
- Determine whether there are specific species or groups of trees and shrubs best adapted to the different "growth mediums" planned for reclaimed areas. An example if the growth medium best for Agave survival is placed on slopes which are not conducive to Agave survival, an opportunity would be lost. At a later date, this information would be used to resolve what "growth medium" goes where -- for both visual and plant growth needs.
- Evaluate proposed treatment of topsoil. Provide recommendations for handling, stockpiling, and placing topsoil that will protect the microflora population and other qualities.

Comment [rel1]: This has not been done

Comment [rel2]: Reviewed by Lefevre. Dr. Fehmi has used appropriate plants to mimic the landscape with the exception of trees, which are currently not in the seed mix (and shouldn't be. We would want to plant seedlings, not sow seeds.) Brian Lindenlaub has probably not been contacted.

Comment [rel3]: This has not been done

Comment [rel4]: This has been completed and a version of it is being used in the DEIS.

Comment [rel5]: This is not a task. This is a standard I think we should use.

Comment [rel6]: This is partially done through the General Ecosystem Survey review and table of expected results development. Salvaging shrubs and/or trees has not been proposed as a mitigation measure as of 7/26/2010

Comment [rel7]: The practice of using native plants is inferred in the mitigation proposed.

Comment [rel8]: No clearing of grass or shrubs is anticipated in the proposed mitigation measures. The only standards for invasives listed in the mitigation measure is that they would be non-persistent. No determination for simultaneous seeding and transplanting has been made.

Comment [rel9]: This has not been done.

Comment [rel10]: The treatment of growth media is explained in the proposed mitigation measures. The majority of the growth media is not topsoil, so stabilizing the stored material is the primary task and is addressed in the mitigation measures. True topsoil, with living organisms, is limited compared to the total, and do date no provisions for special treatment have been made.

- Provide recommendations for backfill mix, fertilizer, mulch, irrigation, and weeding necessary for the successful growth of trees and shrubs. The use of fertilizer should be minimized to reduce impacts to the environment (including water quality).
- Provide typical planting plan layouts for various reclamation areas, and planting details.
- Estimate the approximate growth rates of plants on various slopes (this is needed for simulations and effects analysis, and can also be used to develop a performance based reclamation standard). Consider the difference of transplant growth rate vs. naturally-occurring growth rate
- Evaluate whether native transplant plugs and topsoil islands would be beneficial to establishing revegetation (including trees and shrubs) on reclaimed areas. Debby Kriegel can provide research papers on this topic.
- Determine where the needed plants can be obtained in the species, sizes, quantities, and appropriate time frame that would be necessary for various phases of reclamation. Options could include salvaging from the site (or nearby), purchasing from local nurseries, contracting propagation, or some combination. Contract propagation would require working with nurseries early, especially be specific about seed sources and minimum stock parameters; determine propagation protocols necessary to generate the stock types necessary for the reclamation. Determine what is needed to collect, process, and storing native seed (for seeding and propagation) in order to provide plants needed for revegetation throughout mine reclamation.
- Provide draft and final written reports that address all of the above.
- Coordinate all work with the Coronado National Forest (Debby Kriegel, Craig Wilcox, and Larry Jones).

Comment [rel11]: This was started in the greenhouse study and is being continued in the field studies. Recommendations are not out yet.

Comment [rel12]: Not done yet to my knowledge.

Comment [rel13]: Not done yet.

Comment [rel14]: Not done yet to my knowledge

Comment [rel15]: Not done yet.

Comment [rel16]: Not done yet.

Comment [rel17]: Not done yet.



"Trent Reeder"
<treeder@swca.com>
07/01/2010 09:47 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Marcie Bidwell"
<mbidwell@swca.com>
cc
bcc

Subject RE: Box Canyon Road assessment

Sounds good. I'll conduct an initial reverse viewshed analysis to see which sections of Box Canyon Road will be viewable from the Waste Rock.

Trent

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Wednesday, June 30, 2010 2:40 PM
To: Trent Reeder; Marcie Bidwell
Subject: RE: Box Canyon Road assessment

Sorry...maybe I didn't convey my thought very well. What I'm talking about is a digital model exercise. I'm suggesting that you might place one or more viewpoints in the red (visible) areas on the waste rock pile and run your computer viewshed mapping program to determine where there is a direct line-of-sight to Box Canyon Rd. This is the reverse of normal viewshed mapping. We'd still need to follow up with a site visit and photography (and vegetation screening will be an issue at that point, but this step might help to determine where to take a photo...which will be very tricky. I'll let you and Marcie discuss whether and how to do this. Thanks.

"Trent Reeder" <treeder@swca.com>

06/30/2010 12:46 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Marcie Bidwell" <mbidwell@swca.com>
cc
Subject RE: Box Canyon Road assessment

I was able to locate a set of photos that I believe are from Box Canyon Road. Unfortunately anything viewable from this position would be obscured by existing vegetation.

Trent

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Wednesday, June 30, 2010 10:26 AM
To: Trent Reeder; Marcie Bidwell
Subject: RE: Box Canyon Road assessment

Trent and Marcie:

This is helpful. Looks like there is enough of the project visible to warrant a simulation, though it should be a simpler one than the one at KOP2.

I'm wondering whether it would be helpful to put points (maybe one at a time?) on the visible portions of the waste rock and run a reverse viewshed toward the road. Would this help narrow down exactly where on the road the views are from?

~~~~~  
Debby Kriegel, RLA  
Landscape Architect  
Coronado National Forest  
300 W. Congress  
Tucson, AZ 85701  
(520) 388-8427  
Fax (520) 388-8305  
[www.fs.fed.us/r3/coronado/](http://www.fs.fed.us/r3/coronado/)  
[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)

"Trent Reeder"  
<[treeder@swca.com](mailto:treeder@swca.com)>

06/30/2010 09:00 AM

To "Marcie Bidwell" <[mbidwell@swca.com](mailto:mbidwell@swca.com)>, "Debby Kriegel" <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>, "Tom Furgason" <[tfurgason@swca.com](mailto:tfurgason@swca.com)>, "Jonathan Rigg" <[jrigg@swca.com](mailto:jrigg@swca.com)>  
cc  
Subject: RE: Box Canyon Road assessment

Here are two viewshed images from the Box Canyon road south of the project area . Viewable areas are in red. The first one is a viewshed analysis from TT's current KOP8 location. Second image depicts a linear viewshed from a segment of the Box Canyon road (blue line). Results from the linear viewshed analysis can be a little misleading because of the overlap of viewsheds from the line. I shorten the analysis segment of Box Canyon road to an area where I believe would reveal more of the MPO. The current location of KOP 8 is in a low drainage with terrain upslope on both sides. As you move towards the west along the road, it opens up into more of a "bowl". Once at the intersection of Rd 231 and Box Canyon, the MPO Waste Rock southern slope would be quite visible. The last attachment depicts the shorter Box Canyon segment in blue and the viewshed results of this segment.

The green dot represents an approximate location where TT took the KOP 8 photos. I was able to locate this photo point by comparing both KOP 8 and KOP 3 panoramas, for which segments of each panorama overlap. In addition, I compared visible vegetation patterns/densities using

aerial images along with matching terrain characteristics between the panoramas and 3D generated surfaces.

Marcie mentioned that she took some photos along the Box Canyon road for which I will do some research to see if I can match those photos to some earlier GPS point data. If I can find a match, perhaps this will replace the current KOP 8 location. I will keep you updated on my progress.

Trent

<<TT KOP 8 Viewshed.pdf>> <<Box Canyon Road Viewshed.pdf>> <<Box Canyon Road Viewshed\_b.pdf>> \_\_\_\_\_

**From:** Marcie Bidwell

**Sent:** Friday, June 25, 2010 12:40 PM

**To:** Trent Reeder; Debby Kriegel; Debby Kriegel; Tom Furgason; Jonathan Rigg

**Subject:** Box Canyon Road assessment

Trent,

I talked with Debby regarding the Box Canyon Road KOP and its alignment issues (that the Tt GPS point and Tt photos do not align for Box Canyon).

We thought that if you did a linear viewshed analysis, we could determine if there is a point on the road that will have open views, or not; then we can assess if its important to have a field person retake those photographs.

Does that seem reasonable? Use a footprint that would be closer to the southern boundary (MPO, Upper Barrel) if you can.

Thanks!

Marcie

Marcie Demmy Bidwell

Environmental Planner

130 Rock Point Drive, Suite A

Durango, Colorado 81301

Office: 970.385.8566

Fax: 970.385.1938

[www.swca.com](http://www.swca.com)[attachment "TT KOP 8 Viewshed.pdf" deleted by Debby Kriegel/R3/USDAFS] [attachment "Box Canyon Road Viewshed.pdf" deleted by Debby Kriegel/R3/USDAFS] [attachment "Box Canyon Road Viewshed\_b.pdf" deleted by Debby Kriegel/R3/USDAFS]



"Stephen Leslie"  
<sleslie@swca.com>  
08/31/2010 09:53 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc "Jonathan Rigg" <jrigg@swca.com>, "Tom Furgason"  
<tfurgason@swca.com>  
bcc

Subject RE: Rosemont Recreation Chapter 3

History:  This message has been replied to.

Debby –

1. Attached are responses to comments 1, 3, 4, and 10 from your last review.
2. I forwarded the revised maps along last week. There currently is no GIS alignment for the proposed post-mine public access road between the pit and the piles.
3. I reviewed the noise analysis – In the Impacts Common to all Alternatives section, I reference the noise section analysis in. The draft noise analysis states that the effects of noise would be the same under all alternatives and states the following regarding recreation:

“With respect to recreation users near the mine facility, noise levels from in-pit blasting, construction, and operation similarly do not exceed either the U.S. Department of Housing and Urban Development or Occupational Safety and Health Administration acceptability standards. For several locations around the perimeter of the facility, noise from surface blasting would reach as high as 80 A-weighted decibels. However, even in this case it is highly unlikely that the noise levels, when averaged for a direct comparison with U.S. Department of Housing and Urban Development standards, would be considered unacceptable.”

Please let me know if you have any questions.

Thanks,  
Steve

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Thursday, August 26, 2010 11:22 AM  
**To:** Stephen Leslie  
**Cc:** Debby Kriegel  
**Subject:** RE: Rosemont Recreation Chapter 3

Hi Steve,

Thanks for sending this. It's looking good! I am told that I should provide input to you now, so that the mid-Sept submittal is as complete as possible. Attached are a few comments on the text...nothing major.

In addition,

1. Can you please provide responses to my "other comments" #1, 3, 4, and 10 from my last review?
2. I'd like to see the revised maps for recreation, including, if possible, something that shows the proposed post-mine public access road between the pit and the piles.
3. Did you read the noise report and determine how much effect to recreation noise will be?

Thanks!

~~~~~  
Debby Kriegel, RLA
Landscape Architect
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8427
Fax (520) 388-8305
www.fs.fed.us/r3/coronado/
dkriegel@fs.fed.us

"Stephen Leslie" <sleslie@swca.com>

08/25/2010 01:14 PM

To: "Debby Kriegel" <dkriegel@fs.fed.us>
CC: "Jonathan Rigg" <jrigg@swca.com>
Subject: RE: Rosemont Recreation Chapter 3

Debby-

Here is the latest and greatest version that has been edited and is ready final formatting. The maps will added in by our formatter to the overall administrative draft EIS. I understand that the complete administrative draft EIS is due to the Forest Service on September 14th.

Thanks,
Steve

From: Debby Kriegel [<mailto:dkriegel@fs.fed.us>]
Sent: Wednesday, August 25, 2010 12:43 PM
To: Stephen Leslie
Subject: Rosemont Recreation Chapter 3

Hi Steve,

How is your work and editing going? When might you have a revised chapter 3?

Thanks.

~~~~~  
Debby Kriegel, RLA  
Landscape Architect  
Coronado National Forest  
300 W. Congress  
Tucson, AZ 85701  
(520) 388-8427  
Fax (520) 388-8305

[www.fs.fed.us/r3/coronado/](http://www.fs.fed.us/r3/coronado/)

dkriegel@fs.fed.us[attachment "Ch\_3\_Recreation\_and\_Wilderness\_080310\_je\_HG\_sol.doc" deleted by



Debby Kriegel/R3/USDAFS] Other comments.docx

Comments from Debby:

Include a map of each alternative and roads and ROS settings. Are any alternatives any better either during mine life or post-mine on recreation settings or access roads?

Maps have been prepared for each alternative footprint showing the relationship to ROS settings and existing FS roads and have been added to chapter 3.

Show what portions of the Arizona Trail would be moved in each alternative (and where the new locations would be).

The relocation of the Arizona Trail under each alternative is only a preliminary corridor. No physical assessment of the final realignment has been completed. The final trail realignment will be determined in coordination with the Arizona Trail Association. Since we don't know what the final realignment will be, we shouldn't include it in the EIS.

Determine whether east-west access across the ridge (at Gunsight or Lopez Pass) would be closed during mine life and post-mine.

I understand Rosemont is committed to keeping open the Gunsight Pass east-west access across the ridge open under each of the alternatives during operations and post-mine. However, this is dependent on the determination of whether the CNF or MSHA will have jurisdiction over the road.

Did you do a brief study of what OHV loops might be possible east of Hwy 83?

I have had an opportunity to review the potential for OHV trails east of State Route 83 to mitigate for the direct loss of roads/trails associated with the alternatives. I could not find a desired road and trail density condition for the area in the CNF Forest Plan, so I based it on the current road/trail density for the Santa Rita Backcountry Tour Area. There are 285 miles of designated Forest road/trail within the 90,060 acre (140 square miles) tour area for an approximate trail density of 2 miles/square mile.

Forest lands east of State Route 83 are approximately 3,000 acres (4.7 square miles). Remaining consistent with the road/trail density of the backcountry tour area means would allow up to 9.4 miles of road/trail ( $2 \times 4.7 = 9.4$ ). There are approximately 4 miles of designated FS roads currently crossing this area. To maintain a trail density of 2 miles/square mile, an additional 5.7 miles of road/trail could be developed in this area.

There is the potential to develop an OHV loop trail that connects two of the existing roads in the area. Although it is possible, because of the limited distance that would be available for riding (no more than 10 miles of trail), this would only partially mitigate the loss of existing opportunities as a result of the alternatives, up to 28 miles of roads/trails directly lost. Additionally, motorized recreation typically looks for longer riding opportunities. Although the Forest Service may consider having a greater trail density in the area, there would be issues to address including management of cultural resources and managing OHV use to remain out of the National Conservation Area and State Trust lands to the east.



"Marcie Bidwell"  
<mbidwell@swca.com>  
06/29/2010 02:46 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
bcc  
Subject RE: Rosemont Reclamation - what to expect

Thanks This is what we have been wanting, and it makes most sense that it should come from the USFS.

We will see what we can incorporate!  
Marcie

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Monday, June 28, 2010 11:08 AM  
**To:** Marcie Bidwell  
**Subject:** Fw: Rosemont Reclamation - what to expect

Marcie,

Take a look at this and see if you have thoughts or comments. This information should be helpful to the simulations.

-----  
Debby Kriegel, RLA  
Landscape Architect  
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300 W. Congress  
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[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)

----- Forwarded by Debby Kriegel/R3/USDAFS on 06/28/2010 10:07 AM -----

Robert  
Lefevre/R3/USDAFS To Beverley A Everson/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES, Debby  
Kriegel/R3/USDAFS@FSNOTES  
06/28/2010 08:24 AM cc Salek Shafiqullah/R3/USDAFS@FSNOTES, Craig P Wilcox/R3/USDAFS@FSNOTES  
Subjec Rosemont Reclamation - what to expect  
t

Here is my first prediction of what we might expect at Rosemont in the way of revegetation. Comments?  
Please send them!  
Robert E. Lefevre  
Forestry and Watershed Program Manager  
Coronado National Forest  
USDA Forest Service  
520-388-8373



"Marcie Bidwell"  
<mbidwell@swca.com>  
01/26/2010 11:07 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
bcc

Subject Simulations and Land Form thinking

History:

 This message has been replied to.

Debby,

Here are my ideas regarding how to "split" the level of effort and what is shown in the visible diagrams/simulations.

Let me know what you think. I would propose that this is a table that would be in the analysis methods section.

Thanks, Marcie

<<Visual Sim methods.xls>>

Marcie Demmy Bidwell  
Environmental Planner  
130 Rock Point Drive, Suite A  
Durango, Colorado 81301  
Office: 970.385.8566  
Fax: 970.385.1938



[www.swca.com](http://www.swca.com) Visual Sim methods.xls

**PROPOSED SWCA DIAGRAMS AND LEVEL OF DETAIL (Simulations, Land Form Diagrams, Not Visible)**

| <b>Distance Zone</b> | <b>Average Distance</b>      | <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Foreground           | 0 Foot – 1/2 Mile            | Individual plants, rocks, landscape features, transmission poles, and wires are visible and detailed. Details of earth movement, structure siding, vehicles, and other equipment are apparent.                                                                                                                                                                                                                                                                                                                                                                              |
| Middleground         | 1/2 Mile – 4 Miles           | Texture and forms of individual grasses and forbes are no longer apparent. Some individual trees are identifiable at the closer ranges of middleground and become groups or masses of trees at more distant extents. Land features are distinctive and fade to masses as distance increases. Transmission poles may be visible and transmission lines will fade or disappear from the casual observer depending on distance, atmospheric conditions, and sun angle. Structures fade through this range to forms and blocks, and surface details fade as distance increases. |
| Background           | 4 Miles – Horizon            | Vegetation and landscape features appear as patterns, massing, and land forms. Transmission poles and vehicles may be visible when sharp contrasts in color or lighting occur or skylining appears. Structures are seen as forms and blocks.                                                                                                                                                                                                                                                                                                                                |
| Seldom Seen          | Obstructed view or 15+ Miles | Portions of the landscape are generally not visible, hidden by intervening terrain or vegetation, or are over 15 miles away.                                                                                                                                                                                                                                                                                                                                                                                                                                                |

<sup>1</sup> Source: USFS Manual XXX Visual Resource Inventory

**e Diagrams)**

**SWCA Scope**

**KOPs 01, 02, 03- High Detail Simulation**

**KOPs 04-09- Land Form Simulation  
(previous example)**

**Not Visible Diagram or Visible/Not Visible  
Extents Map (Jimmy Pepper idea) marked  
with buffer showing 15 miles or further away**



"Parker, Jeff JJ"  
<Jeff.Parker@BHPBilliton.com  
>  
03/10/2009 02:08 PM

To <karnold@rosemontcopper.com>, "Bingham, Evelyn EL"  
<Evelyn.EL.Bingham@bhpbilliton.com>,  
<TAldrich@asarco.com>, <Ned\_Hall@FMI.com>,  
cc <Iskaer@nwma.org>, <tim@nevadamin.org>,  
<Sydney.Hay@azcu.org>, <mii@mii.org>,  
<kbennett@nma.org>, <beverson@fs.fed.us>,  
bcc  
Subject Re: Help on Operations and Reclamation Examples

Kathy

Certainly the heap leach at San Manuel would fall into this category.

Regards

Jeff

Jeff J. Parker  
Manager Sustainability & External Affairs  
Southwest Copper  
520.219.3524 office  
520.419.2590 cell

Message originated from my blackberry.

**From:** Kathy Arnold  
**To:** Parker, Jeff JJ; Bingham, Evelyn EL; Tom Aldrich (TAldrich@asarco.com) ; Ned Hall (Ned\_Hall@FMI.com) ; Al Cooper (Allen\_Cooper@fmi.com) ; Wittwer, Derek ; pete.kowalewski@tetrattech.com ; Joggerst, Jamie ; droth@m3eng.com  
**Cc:** Iskaer@nwma.org ; tim@nevadamin.org ; Sydney.Hay@azcu.org ; mii@mii.org ; kbennett@nma.org ; Beverley A Everson ; dkriegel@fs.fed.us ; Jamie Sturgess  
**Sent:** Tue Mar 10 15:38:25 2009  
**Subject:** Help on Operations and Reclamation Examples  
All –

I received a call from the visual resource specialist who is reviewing our project during an EIS. She is a landscape architect that is specifically interested in any land sculpting techniques that should be reviewed during the alternatives analysis for waste rock and tailings facilities.

I am hoping that you may be able to point me at either some good reports (or pictures) that address operating practices incorporating closure concepts up front or good examples of reclamation techniques that have incorporated land sculpting in closure designs.

Our project: As some of you know, ours is a fairly large facility and we will be managing just under 2 billion tons of material in waste rock and tailings facilities so some of the "boutique" closure options will not be appropriate for our facility. We are also located in the desert southwest with infrequent but high intensity rainfall which makes water management an important component of the reclamation. In addition we are incorporating filtered tailings into our operations so tailings deposition will be via conveyor rather than by pipeline. We are planning concurrent reclamation practices on 3:1 slopes and had planned on using a landform grading techniques.

In any case any help you may be able to give me would be greatly appreciated. I can be reached at the numbers below.

Regards,  
Kathy

**Katherine Arnold, PE** | Director of Environmental and Regulatory Affairs  
Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724  
[karnold@rosemontcopper.com](mailto:karnold@rosemontcopper.com)



**Rosemont Copper Company**  
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"Dale Ortman PE"  
<daleortmanpe@live.com>  
06/27/2010 07:02 PM

To ""Debby Kriegel"" <dkriegel@fs.fed.us>, ""Salek Shafiqullah""  
<sshafiqullah@fs.fed.us>, <mbidwell@swca.com>, ""Kathy  
Arnold"" <karnold@rosemontcopper.com>,  
cc ""Beverley A Everson"" <beverson@fs.fed.us>,  
<tfurgason@swca.com>, ""Jonathan Rigg""  
<jrigg@swca.com>, ""Melissa Reichard""  
bcc

Subject Barrel-Only Landform

All,

Attached is the latest landform topography developed by Rosemont for the Barrel-Only landform alternative. This landform has been developed through the joint efforts of the CNF, SWCA, Rosemont, and TetraTech and incorporates the following elements:

- Extension of the Upper Barrel drainage within the landform
- Multiple ridge landforms with differing elevations
- Potential for variable slopes on eastern flanks of the landform
- Potential for reduction in number of drainage control benches on eastern flank of landform
- Improved stormwater discharge control utilizing the extension of the Upper Barrel drainage
- Maintain overall 3:1 slopes with drainage benches on west side of landform to provide required storage capacity and maintain tailings placement operations
- Maintain waste rock perimeter buttress surrounding tailings
- Maintain encapsulation of the heap leach facility

The team has done an excellent job in the collaborative effort to develop this landform concept. I believe we have reached a point in the process where the landform concept should be turned over to Rosemont for final engineering development as the Barrel-Only Alternative for consideration in the DEIS. I recommend that, in addition to the general design objectives listed above, Rosemont develop the following during the final engineering:

- Confirm constructability of the landform
- Summarize the concurrent & final reclamation plan
- General layout of rock sub-drains & flow-through drains
- General stormwater control plan, including commitment to the design criteria currently in the Site Water Management Plan Update

In addition, I propose that we not meet on June 30<sup>th</sup> as currently scheduled but the team review the attached landform and provide any additional design objectives for Rosemont to include in the final engineering. Please get back to me ASAP with comments and any design objectives you believe should be included in the final design.

If you have any questions please email me or try the Utah phone listed below.

Regards,

Dale

---

Dale Ortman PE PLLC  
Consulting Engineer

(520) 896-2404 - Arizona Office  
(520) 449-7307 - Mobile  
(435) 682-2777 - Utah Office

[daleortmanpe@live.com](mailto:daleortmanpe@live.com)

PO Box 1233  
Oracle, AZ 85623

[attachment "Prelim Barrel\_Proposed Survey Area.pdf" deleted by Debby Kriegel/R3/USDAFS]



"Marcie Bidwell"  
<mbidwell@swca.com>  
03/02/2010 12:00 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Melissa Reichard"  
<mreichard@swca.com>, "Trent Reeder"  
<treeder@swca.com>  
cc "Lara Mitchell" <lmitchell@swca.com>

bcc

Subject Data request for EPG~ thoughts and integration of multiple  
conversations

History:

 This message has been replied to.

Debby,

**Two pieces to this puzzle: (1) What does EPG actually need/want for alternatives information, and (2) what data do they then need and on what schedule?**

**(1) What does EPG actually need/want for alternatives information?**

I talked with Chelsa, and her team is discussing internally if they are going to explore alternatives in the simulations or if they will just show Rosemont's preferred alternative (which they are calling the MPO).

She will let us know today if they need alternative data, as if they only evaluate the MPO, they do not need new data.

**(2) what data do they then need and on what schedule?**

**Schedule-** they are going to their stakeholders THIS FRIDAY, and so they need something fast in order to use it. In discussing what EPG might need for data to understand if the alternatives would be visible from the transmission line, I am thinking that EPG may have to contact Tetra Tech directly, rather than have SWCA play middleman. Rosemont may need to pass approval for David and Tt to send them the data, as there is a time commitment to prepare and package the information in an organized fashion.

I am suggesting that Tetra Tech handle the data request for several reasons: (1) Tetra Tech has the latest and greatest alternative data, (2) what EPG would receive from Aran at the USFS would be older data that SWCA provided last summer, and (3) I assume that since EPG is working in 3DMax and CAD, that EPG would not be able to use SWCA's ESRI format files (GIS format) as easily (I spoke with Chelsa and they can use either shapefiles or contours, but for 3D surfaces would use CAD to generate, I think). We use ESRI grid format and Tetra Tech has been supplying us with ESRI-shapefiles, not CAD-based files.

As to the state of the data "whats most recent"~ As of yesterday, Tetra Tech has provided us with updated contours for two alternatives which would likely be visible from the western side of the Santa Ritas, Barrel Only and Sycamore/Barrel alternatives. These are likely to be of interest to EPG.

**You asked if this would come out of the visuals budget:** if Trent were to package what we have recently received from Tetra Tech and organize the data to use consistent EIS alternative naming conventions, we estimate that it would take 4-8 hours to package and organize the data.

I think that gets us up to date.  
Marcie

**From:** Chelsa Johnson [mailto:Cjohnson@epgaz.com]

**Sent:** Friday, February 26, 2010 10:44 AM

**To:** Kathy Arnold; EBeck@Tep.com; Debby Kriegel; kellett@fs.fed.us; Marcie Bidwell

**Cc:** Lauren Weinstein; Paul Trenter; Emily Belts

**Subject:** Rosemont 138kV Transmission Line - Simulation discussion with FS

Good Morning,

EPG has coordinated with Debby Kriegel and Marcie Bidwell last week regarding the proposed 138kV transmission line simulations. I've provided a summary of key discussion items:

- 1) Direction regarding the selection of the viewpoint for simulation 3 was previously requested by the Forest Service and EPG provided 4 photo options along Box Canyon Road near the crossing of Link 160. Both Debby and Marcie agreed that Option B would be the best selection for Simulation 3. Based on the wireframe representations, Debby and Marcie voiced concern that a portion of the project would be visible for viewers heading east on Box Canyon Road whereas the other options do not show any structures due to vegetation screening. In addition Debby noted that Option B is also at one of the KOP's for the mine and represents a typical viewing condition for Box Canyon recreation users. I have attached the preferred photo and viewpoint for your reference. We will be moving forward with this Simulation viewpoint.
- 2) Visibility of the mine was also discussed and we concluded that the mine would not likely be visible from the viewpoint at Simulation 3 Option B due to terrain and existing vegetation. On a follow up call with Marcie this week, we discussed the possible visibility of the mine from the other simulation viewpoints and concluded that 3D modeling of the proposed contours for the McCleary Alternative would be helpful. Debby, please let me know if we can get the latest contour information so we can create a 3D model to determine if any of the tailings would be visible.
- 3) Other concerns discussed include the clearing of the transmission line ROW. In particular, if the entire 100' ROW would be cleared of vegetation or if selective clearing would be implemented. I have contacted TEP engineers about their vegetation clearing standards and I will forward the information once it is received.
- 4) Debby inquired if the additional transmission line simulation viewpoints would provide a view of the route crossing the Santa Rita Mountains (Link 140). EPG noted that Simulations 2-6 would not have a view of Link 140. We concluded that Simulation 1 along Santa Rita Road does not have a view of Link 140 and Debby noted that the Forest Service may want to consider an additional simulation of the transmission line crossing the Santa Rita Mountains.
- 5) Debby also expressed concern regarding the specific placement of the transmission line structures along links 160 and 190, which are near Concern Level 1 roads. In September 2009, Debby provided EPG detailed comments regarding the transmission line routing options on FS land. She requested that a Landscape Architect from EPG conduct a detailed visual impact assessment and provide mitigation recommendations to minimize visual impacts. EPG noted that TEP engineers have provided typical structure height and span information; however, detailed engineering has not been finalized. We discussed the possibility of conducting a visibility assessment for links 160 and 190 or using wireframes to assess mitigation recommendations. EPG also noted that coordination with TEP engineers would be necessary to

determine constructability of recommended mitigation measures. Debby recommended avoiding placement of structures along ridges so that the project would not be skylined. EPG will assess mitigation measures for these links and coordinate with TEP engineers regarding constructability.

Thanks again for the input regarding the simulations and EPG will follow up with Rosemont/TEP regarding an additional simulation of the transmission line crossing the Santa Rita Mountains, TEP ROW clearing standards, and mitigation measures for links 160 and 190. Debby and Marcie, please let me know if I have missed anything with this summary or if you have any clarifications.

**Chelsa Johnson**  
Project Coordinator/Visual Resource Specialist

**epg**

**Environmental Planning Group**

Phoenix, Arizona

602-956-4370 phone

602-956-4374 fax

<http://www.epgaz.com>

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"Stephen Leslie"  
<sleslie@swca.com>  
08/19/2009 09:24 AM

To "Marcie Bidwell" <mbidwell@swca.com>, "Debby Kriegel"  
<dkriegel@fs.fed.us>

cc

bcc

Subject RE: Thoughts on recreation impacts

History:  This message has been replied to.

Thanks,

That sounds like a reasonable mitigation to consider for some of those roads and trails.

Steve

---

**From:** Marcie Bidwell  
**Sent:** Wednesday, August 19, 2009 9:22 AM  
**To:** Stephen Leslie; 'Debby Kriegel'  
**Subject:** Thoughts on recreation impacts

Hello Steve,

Debby and I were just talking about ideas on impacts. Debby was thinking about the loops of roads and trails that will be truncated according to different potential alternatives.

She wanted me to log a thought in your head regarding if there is a potential to reconnect some of the loops, or to make new connectors to restore some of the recreation resources.

Just logging that thought,

Marcie

Marcie Demmy Bidwell

Environmental Planner

130 Rock Point Drive, Suite A

Durango, Colorado 81301

Office: 970.385.8566

Fax: 970.385.1938

[www.swca.com](http://www.swca.com)



"Trent Reeder"  
<treeder@swca.com>  
07/23/2010 12:02 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Marcie Bidwell"  
<mbidwell@swca.com>  
cc  
bcc

Subject RE: Rosemont 3D Facilities Example

The model reflects light shadows from a flat color. Does not take into account glossy or metal surface reflections. I took the Patrician Bronze color that you emailed us and "color grabbed" the RGB values using PhotoShop. I then took these values and created a new color based on these RGB values and applied this color to the models with light shadows of 140 degree azimuth and 31 degree altitude, or 11 am. Unless the painting company will release me the actual RGB or CMYK color values, this is the best we can do.

Computer screens will always depict color differently than what is printed unless you modify the computer screen through a strict and lengthy color correction process. Once we get closer to finalizing the photo simulations, a number of filters and techniques can be utilized to subdue the vivid colors.

Trent

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Friday, July 23, 2010 11:51 AM  
**To:** Trent Reeder; Marcie Bidwell  
**Cc:** Debby Kriegel  
**Subject:** RE: Rosemont 3D Facilities Example

Thanks, this is very helpful. My initial reaction is that one is too light, the other too dark. Unfortunately, there is no color in between shown on the color chart.

However, when I print out the color chart, Patrician Bronze is much lighter than it appears on a computer screen and what's shown on your simulation...more of a medium brown. You might want to do this too. Rosemont will be sending me an actual sample of the metal siding in this color. I don't think it's as dark as you've shown, but an actual sample will help confirm that. Also, I know that even very dark metal reflects light and often looks whitish. Does this model/simulation incorporate this effect?

"Trent Reeder" <treeder@swca.com>

07/21/2010 08:59 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Marcie Bidwell" <mbidwell@swca.com>  
cc  
Subject RE: Rosemont 3D Facilities Example

Thanks Debby. Here is an updated simulation with both examples on one page.

Trent

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Wednesday, July 21, 2010 8:59 AM  
**To:** Trent Reeder; Marcie Bidwell  
**Subject:** Re: Rosemont 3D Facilities Example

Trent and Marcie,

This looks really good.

I spoke with Clarissa at Rosemont about plant building colors. She referred me to this color chart, and from my experience, something like Patrician Bronze will blend in with landscape colors better than light stone. Can you model the plant using this color as an option? Can you drop each of the 2 colors into just one simulation and let me review it? Then I can help verify which to proceed with for all the sims.

<http://www.vp.com/Portals/0/PDF%20downloads/6021%20WallRoof%20Colors%2007green.pdf>

Thanks.

~~~~~  
Debby Kriegel, RLA
Landscape Architect
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8427
Fax (520) 388-8305
www.fs.fed.us/r3/coronado/
dkriegel@fs.fed.us

"Trent Reeder"
<treeder@swca.com>

07/19/2010 03:21
PM

To: "Krizek, David" <David.Krizek@tetrattech.com>, "Marcie Bidwell" <mbidwell@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Kathy Arnold" <karnold@rosemontcopper.com>, "Debby Kriegel" <dkriegel@fs.fed.us>, "Beverley A Everson" <beverson@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>, "Melissa Reichard" <mreichard@swca.com>, <tjchute@msn.com>, "Carrasco, Joel" <Joel.Carrasco@tetrattech.com>
cc
Subject: Rosemont 3D Facilities Example
t

Hello all,

I have attached a 3D "box model" rendering of the proposed facilities. David, Joel, Marcie, and I collaborated on which facilities were important to model for this exercise. I've bulleted some additional information below:

- 3D Scene is from KOP 2 - MM 44, Scenic Pull Off with pit in background
- Model information was derived from the Rosemont Copper Project Building Elevations and Height July 12, 2010 document.
- Models were generated using the Plant Site shapefile as a guide to the building footprints.
- Tallest building is the Mill Building at ~160 ft tall with a base elevation of 5019 ft.
- Color: Light Stone SR .50 SRI 58
- Model illumination: 11am - Azimuth 140 degrees and Altitude 31 degrees
- Facility grading has been represented in a transparent white

Please let me know if you have any questions. Thanks.

Trent Reeder

GIS Specialist

SWCA Environmental Consultants

treeder@swca.com

130 Rock Point Dr. Suite A

Durango, Colorado 81303

Work (970) 385-8566

Fax (970) 385-1938

www.swca.com

[attachment "Facilities_3D_labeled.jpg" deleted by Debby Kriegel/R3/USDAFS] [attachment "Facilities_3D_labeled.jpg" deleted by Debby Kriegel/R3/USDAFS]



"Tom Furgason"
<tfurgason@swca.com>
11/10/2009 04:00 PM

To "Beverley A Everson" <beverson@fs.fed.us>
cc "Melinda D Roth" <mroth@fs.fed.us>, "Salek Shafiqullah"
<sshafiqullah@fs.fed.us>, "Debby Kriegel"
<dkriegel@fs.fed.us>, "Dale Ortman PE"
bcc
Subject FW: Golder Involvement

Bev and Salek,

I asked Dale to start looking around at a variety of consultants that could possibly assist us with the issues surrounding stormwater management and land-forming. Dale recommended that we speak with George Annandale, an engineer with substantial experience with scouring and sediment transport. His firm, Hydrosystems Inc., was recently acquired by Golder Associates. I'd like to recommend that the Coronado consider talking to Dr. Annandale regarding is participation in the Rosemont Project. His engineering expertise and resume (along with a lot of peer reviewed publications) will bring a great deal of credibility to the team. I envision George working directly with Horst and Rosemont's Engineers to solve the issues surrounding stormwater management.

Would you please review the attached resume and let me know if the Coronado considers him to be qualified. I'd like your confirmation prior to seriously engaging Dr. Annandale in any discussions. Also, the portion of the analysis that we'll need him on is critical path and I want to get moving on this ASAP. Please note that I copied Jamie Sturgess on this email so that I can get a concurrent review from the company.

Golder Associates previously declined to submit a Statement of Qualifications to be considered for the Rosemont Project; however, Dale seems to have made some headway with getting Golder on board.

Tom

From: Dale Ortman PE [mailto:daleortmanpe@live.com]
Sent: Tuesday, November 10, 2009 3:27 PM
To: Tom Furgason
Subject: Golder Involvement

Tom,

Dave Kidd with Golder here in Tucson is on board with the possible project. George Annandale and I have had email exchanges as he heads home from India via London; he should be back in Denver on the 14th and we'll get together. Attached is George's resume.

Dale

Dale Ortman PE PLLC
Consulting Engineer

(520) 896-2404 - Arizona Office
(520) 449-7307 - Mobile
(435) 682-2777 - Utah Office

daleortmanpe@live.com

PO Box 1233

Oracle, AZ 85623

[attachment "George Annandale - Resume.pdf" deleted by Debby Kriegel/R3/USDAFS]



"Marcie Bidwell"
<mbidwell@swca.com>
06/15/2009 11:55 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc
bcc
Subject Bounds~ Map boundaries- Visuals and Land use

Hello Debby

Welcome back~ hope you had a great time up north on vacation.

Please see the bounds of analysis discussion below. I had sent you a short description of it before you left, but I am not sure that we actually decided. I have further added on to that description and descriptions.

As we need to have an easily definable area, I shy'd away from doing a visual analysis of all areas that can see the Santa Ritas, and tried to use boundaries that already exist. You and I have discussed that Tucson is within view of the Santa Ritas, and thought that Pima County might be a good way to capture that area in a easier to define way.

Finally, I also suggested that we use the Nogales Forest Unit and the Coronado NF as two others, as the LRMP is defined by those units.

Please confirm/comment on the list below,
Thanks!
Marcie

From: Lara Mitchell
Sent: Monday, June 15, 2009 10:34 AM
To: Marcie Bidwell
Subject: RE: Bounds~ Map boundaries- Visuals and Land use

Hi Marcie
Just wanted to double check on the bounds for the maps, you want to show all of the Coronado NF, highlighted in blue on the attached screen shot? And all of Pima county, all the way out past Ajo?

Thanks

<<visual_miles.pdf>>

From: Marcie Bidwell
Sent: Friday, June 12, 2009 3:19 PM
To: Lara Mitchell; Charles Coyle; Stephen Leslie
Subject: Bounds~ Map boundaries- Visuals and Land use

Lara and Charles!

Here is what I recommend to the Forest for visuals. The boundaries should be existing GIS files.

VISUALS: RESOURCES

1. The temporal bounds of analysis for Visual Resources is intended to include the area that may impact or be impacted by the proposed project. As such, the temporal bounds of analysis include Construction, Operations, Reclamation, and Post-Closure. Additionally, within the Operations time boundary, a sub-boundary for visuals will include the completion reclamation of the tailings berm that is intended to screen the mine operation. waste rock butters?

2. The geographic bounds of the visual resource analysis is defined as (1) the project site (project boundary), (2) ~~Nogales~~ Forest Unit, (3) Coronado National Forest, and (4) Santa Cruz and Pima Counties. SCIT

7? **LAND USE:**

1. The temporal bounds of analysis for Land Use is intended to describe the land use planning that may impact or be impacted by the proposed project. As such, the temporal bounds of analysis include Construction, Operations, Reclamation, and Post-Closure.

2. Geographic- The potential impacts to Land Use Resources include the project area and surrounding lands as they are managed for land use, and are defined as (1) the project site (project boundary), (2) ~~Nogales~~ Forest Unit, (3) Coronado National Forest, and (4) southern Santa Cruz and northern Pima Counties.

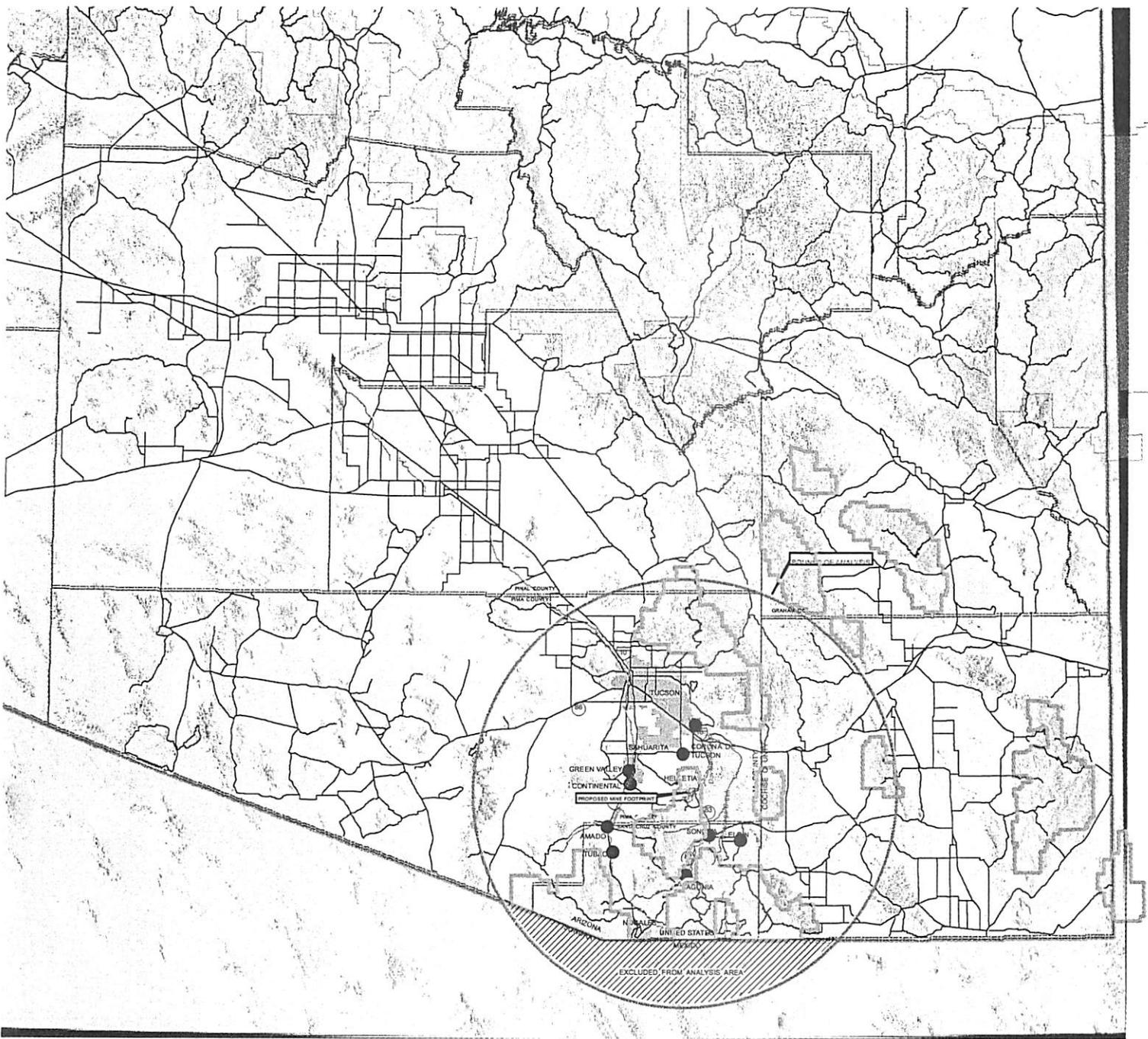
If "northern Santa Cruz" and "southern Pima" is hard to define (perhaps cut them in half), then we could use the whole counties. Either way.

Marcie Demmy Bidwell
Environmental Planner
515 East College Avenue
Durango, Colorado 81301
Office: 970.385.8566
Fax: 970.385.1938



www.swca.com visual_miles.pdf

Eastern Pima Co?
+ all scruz } major project impacts





"Trent Reeder"
<treeder@swca.com>
05/20/2010 03:20 PM

To "Marcie Bidwell" <mbidwell@swca.com>, "Debby Kriegel"
<dkriegel@fs.fed.us>

cc

bcc

Subject RE: Sent the wrong list!! Sorry, RE: List of Data Outstanding

History:

✉ This message has been replied to.

Sounds good. I'm on it.

Trent

From: Marcie Bidwell
Sent: Thursday, May 20, 2010 4:19 PM
To: Debby Kriegel; Trent Reeder
Subject: RE: Sent the wrong list!! Sorry, RE: List of Data Outstanding

Debby, thanks for your quick response and a few quick points. See below.

Trent,

We need to test how important these different elements are going to be. This is a BIG PRIORITY, for ASAP if possible.

1. Debby asked that we show a **BIG RED BOX at 50ft high** for the entire facility footprint, so that we can just test if its visible and how visible from SR 83 (start with KOP 2) and Hilton Road.
2. Second, could you "paint" a **BRIGHT YELLOW "perimeter channel"** that would be a 30-foot buffer draped around the footprint of the MPO? Then we would like to drape that onto the 3D Model as seen from KOP 2.
3. Third, paint a 100-ft wide **LIGHT GREEN** line in the middle of the powerline ROW coming over Gunsight or Lopez Pass?

ThANK YOU!!!

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Thursday, May 20, 2010 3:40 PM
To: Marcie Bidwell
Cc: Debby Kriegel
Subject: RE: Sent the wrong list!! Sorry, RE: List of Data Outstanding

Questions in item #1: I would like all of these items shown in the simulations. However.....

1. If you get all of the other data you need for the simulations except the perimeter roads, let's talk. The vegetation clearing for the tailings/waste rock pile will likely include the perimeter road area anyway, right? Therefore, the road itself is unlikely to be much of an effect in itself. Or am I wrong on this? Just doesn't seem like this single item should hold up the schedule. The road is not included on the drawings that Trent and I have. I am checking with Lara, but I suspect its the same thing. If it has been given to SWCA, its as a line file and not graded into the topography.

2. Large drainage channels must be shown in the simulations where they appear. I assume you'll get this data from Tetra Tech. Is this not correct? Drainage channels have not been included in any of the drawings either on or off of the Tailings. That's why I kept bringing it up yesterday. Kathy was suggesting that resources just consider the 700 ft buffer around the footprint "fair game" for disturbance, and for resources that care about the surface, that's enough. However, for 3D purposes, that does not account for the fact that they are trying to route water uphill if they want it all into Barrel Drainage in some places.

3. If you don't have the 3D data for the plant, show it as a big box in the first simulation as we discussed yesterday. I will be happy to show this first simulation to Rosemont, and hopefully it will make it crystal clear that we need more detail. Trent and I will discuss this.

Please plan to let me review each simulation as it is created/drafted. I'd like to discuss each with other FS folks and Rosemont so we can work out the bugs as we go along. If the first simulation(s) clearly show that the perimeter roads, channels, plant, or other items aren't looking correct, I would like to resolve these things before you proceed to other simulations. Agreed. Would you like to review the 3D model that comes out of GIS or after its into the photograph?

Thanks.

"Marcie Bidwell" <mbidwell@swca.com>

05/20/2010 02:17 PM

To: "Debby Kriegel" <dkriegel@fs.fed.us>, "Trent Reeder" <treeder@swca.com>
cc
Subject: RE: Sent the wrong list!! Sorry, RE: List of Data Outstanding

Debby,

I meant to send this document.....

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]

Sent: Thursday, May 20, 2010 3:11 PM

To: Marcie Bidwell; Melinda D Roth

Cc: Debby Kriegel

Subject: Re: List of Data Outstanding

Marcie: You gave me your comments on this document on April 16, and I incorporated them and sent the list to Mindee to give to Rosemont. It's organized a little differently now (per Mindee's request), but same content. If you have added anything since April 16 (or if Trent adds anything), I need to know, so we can get a revised list to Rosemont. And if you think it would be helpful to organize the list on a spreadsheet and add the "received" column, please go ahead.

Mindee: Do you have a record of when this officially went to Rosemont? I can't find one in my records. I'm pretty sure it was on April 21 or 22.

~~~~~  
Debby Kriegel, RLA  
Landscape Architect  
Coronado National Forest  
300 W. Congress  
Tucson, AZ 85701  
(520) 388-8427  
Fax (520) 388-8305  
[www.fs.fed.us/r3/coronado/](http://www.fs.fed.us/r3/coronado/)  
[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)

"Marcie Bidwell" <[mbidwell@swca.com](mailto:mbidwell@swca.com)>

05/20/2010 01:47 PM

To: "Trent Reeder" <[treeder@swca.com](mailto:treeder@swca.com)>, "Debby Kriegel" <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>  
Cc: "Jonathan Rigg" <[jrigg@swca.com](mailto:jrigg@swca.com)>  
Subject: List of Data Outstanding

Hello Trent and Debby,

This is the file that I mentioned to both of you that I tried to update/simplify what we still need and why.

Trent, could you add anything that you know of to it?

Also, would this be better to put it into the xls format or a table, so that it can have a "received" column that lets folks know when we receive it and why its still the same request, not a new one.

Thoughts are welcome,  
Marcie <<[Rosemont\\_Data\\_Gaps\\_2010-05-17.docx](#)>>

Marcie Demmy Bidwell  
Environmental Planner  
130 Rock Point Drive, Suite A  
Durango, Colorado 81301  
Office: 970.385.8566  
Fax: 970.385.1938

[www.swca.com](http://www.swca.com) [attachment "Rosemont\_Data\_Gaps\_2010-05-17.docx" deleted by Debby Kriegel/R3/USDAFS]



"Tom Furgason"  
<tfurgason@swca.com>  
04/01/2010 04:44 PM

To "Marcie Bidwell" <mbidwell@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Debby Kriegel" <dkriegel@fs.fed.us>  
cc "Beverley A Everson" <beverson@fs.fed.us>, "Melinda D Roth" <mroth@fs.fed.us>, "Rochelle Desser" <rdesser@fs.fed.us>, "Melissa Reichard"  
bcc  
Subject RE: Reclamation Concept from Rosemont~ how to incorporate

Marcie,

RE: Your questions

- 1) ***Are we to use the Phased Tailings as presented in this Reclamation Concept as Alternative 3 or are we to continue with the Phased Tailings as portrayed in the contours and alternatives so far this year?*** That is a great question and I don't have an answer. This will have to be ultimately decided by the IDT Lead (Bev).
- 2) Additionally, when will the Forest Service decide regarding Horst's alternative for Barrel Only? TBD- It is my understanding that the Coronado will likely retain the "original" Upper Barrel Only *and* add another alternative that is specific to the land forming work that Horst has submitted.
- 3) Now that we have the Reclamation Concept, there are several details in the drawing that may inform stormwater design for the "typical" stormwater for other alternatives. It would be Trent and I's preference that we receive formal direction to use those details, which details, and at what frequency across the landscape from Rosemont or Tetra Tech. I agree that we obtain formal direction. This will probably require consultation with the Coronado and Rosemont. **Debby**—could you please coordinate with Bev to set this up?
- 4) To make it easy for them, I may develop a "package" to return to them for them to approve as direction. That would be helpful, but I'd rather not burn budget on this unless the Coronado, TT, and Rosemont agree that we need to do this.

It seems to me that this would be a good time to have a tech transfer meeting on this topic.

Tom

---

**From:** Marcie Bidwell  
**Sent:** Thursday, April 01, 2010 4:24 PM  
**To:** Tom Furgason; Jonathan Rigg; Debby Kriegel  
**Subject:** Reclamation Concept from Rosemont~ how to incorporate

Hello Tom and Debby,

Now that the Reclamation Concept has finally arrived and includes the detailed portrayal of the Phased Tailings alternative~

***Are we to use the Phased Tailings as presented in this Reclamation Concept as Alternative 3 or***

***are we to continue with the Phased Tailings as portrayed in the contours and alternatives so far this year?***

Additionally, when will the Forest Service decide regarding Horst's alternative for Barrel Only?

Now that we have the Reclamation Concept, there are several details in the drawing that may inform stormwater design for the "typical" stormwater for other alternatives. It would be Trent and I's preference that we receive formal direction to use those details, which details, and at what frequency across the landscape from Rosemont or Tetra Tech.

To make it easy for them, I may develop a "package" to return to them for them to approve as direction.

Talk to you soon,  
Marcie

Marcie Demmy Bidwell

Environmental Planner

130 Rock Point Drive, Suite A

Durango, Colorado 81301

Office: 970.385.8566

Fax: 970.385.1938



"Marcie Bidwell"  
<[mbidwell@swca.com](mailto:mbidwell@swca.com)>  
04/19/2010 08:47 AM

To "Debby Kriegel" <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>  
cc "Michael Andres" <[mandres@swca.com](mailto:mandres@swca.com)>  
bcc  
Subject RE: Line of Sight for Duval Overpass Road KOP (old KOP 2,  
new KOP 10)

Debby,

We are looking into the data details that would make an I-19 linear viewshed possible. If I remember correctly, the highway is raised along most of its corridor (compared with existing topography). If that shows up in the DEM, then it would be possible.

If not, then it would be much harder to accomplish with defensible results, unless we can find elevations for the road at the interval for conducting the viewshed.

If we did the linear viewshed, I am assuming that you would be substituting the KOPs along the I-19 corridor for this linear viewshed? To do both seems like duplication and over analysis. I like the fact that using the linear viewshed would reduce the process to 1 page for west side views, rather than having multiple maps for each and every KOP.

I will report back once Mike looks into the data availability.  
Marcie

---

**From:** Debby Kriegel [<mailto:dkriegel@fs.fed.us>]  
**Sent:** Tuesday, April 13, 2010 1:28 PM  
**To:** Marcie Bidwell  
**Cc:** Debby Kriegel  
**Subject:** Re: FW: Line of Sight for Duval Overpass Road KOP (old KOP 2, new KOP 10)

This is very helpful. The overall style is good, but it brings up some additional thoughts and questions...

1. Someone could ask whether visibility from one point confirms that there is no part of the project that is visible from anywhere on the west side. For example, the existing mountain ridge is lower in some areas (such as Gunsight Pass and Box Canyon) and the project is taller in others (such as the south end of the waste/tails pile). How difficult would it be to convert Interstate-19 to points (every 1/2 mile or so) and run visibility for the whole thing?
2. If both the plan and elevation are used together (i.e., if the I-19 idea above isn't possible), it would be nice if they used the same color for "visible". But since they overlap on the plan view, they would have to be somewhat different colors to show up (like light/dark pink or light/dark green). Or minimally, make the pit outline a different color (like blue) so it's not the same color as "not visible" on the elevation.
3. What is the blue dot?
4. Edit the legend to read "Tailings and Waste Rock" and "Visible Areas" (instead of "Tailings" and "Viewshed").

Thanks!

"Marcie Bidwell" <mbidwell@swca.com>

04/13/2010 11:48 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>

cc

Subject FW: Line of Sight for Duval Overpass Road KOP (old KOP 2, new KOP 10)

Debby,

Mike and I have been working on outputs for the non-visible diagrams that we can do from GIS and how to show them graphically.

We discussed several options- herre is one that combines the viewshed analysis (showing nothing visible on the east side of the ridge for MPO) and the line of sight process that Trent has shown us earlier.

The map and graphics are still rough, but I was curious if this is the type of information that you were looking for for these KOPs.

Thanks for the comments,

Marcie

**From:** Michael Andres  
**Sent:** Tuesday, April 13, 2010 12:38 PM  
**To:** Marcie Bidwell  
**Subject:** Line of Sight

**Mike Andres**  
GIS Specialist  
**SWCA Environmental Consultants**  
130 Rock Point Drive, Suite A  
Durango, Colorado 81301  
970.385.8566 (Office)  
970.385.1938 (Fax)  
[mandres@swca.com](mailto:mandres@swca.com)

[attachment "11204\_Line\_of\_Sight\_ALT\_2.pdf" deleted by Debby Kriegel/R3/USDAFS]



"Krizek, David"  
<David.Krizek@tetrattech.com  
>  
02/10/2010 08:11 AM

To Debby Kriegel <dkriegel@fs.fed.us>, Kathy Arnold  
<karnold@rosemontcopper.com>  
cc Marcie Bidwell <mbidwell@swca.com>, Tom Furgason  
<tfurgason@swca.com>, Trent Reeder  
<treeder@swca.com>, Beverley A Everson  
bcc  
Subject RE: For USFS direction: RCC Viewshed analysis

All,

I spoke with Marcie yesterday. I am in the process of preparing a description of possibilities depending on the alternative. Not all the alternatives can be treated equally and it depended on the stack height, etc.

I can also look at Golder's report and supplement the options with their analysis.

Sincerely,

**David Krizek | Principal**  
Main: 520-297-7723 | Mobile: 520-260-3490 | Fax: 520-297-7724

Tetra Tech  
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**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Wednesday, February 10, 2010 8:04 AM  
**To:** Kathy Arnold  
**Cc:** Krizek, David; Marcie Bidwell; Tom Furgason; Trent Reeder; Debby Kriegel; Beverley A Everson; Melinda D Roth  
**Subject:** Re: For USFS direction: RCC Viewshed analysis

Hmmm. Sounds like there is a need to confirm what is possible for each alternative. Is this something that Tetra Tech can help with? Could they start with Golder's report next week? Alternatives like the McCleary/Scholefield ("perched on the top of a hill") might need very different treatment, huh?!

Kathy Arnold  
<karnold@rosemontcopper.com>

02/10/2010 07:44 AM

To Debby Kriegel <dkriegel@fs.fed.us>, Marcie Bidwell <mbidwell@swca.com>  
cc David Krizek <david.krizek@tetrattech.com>, Tom Furgason <tfurgason@swca.com>, Trent  
Reeder <treeder@swca.com>  
Subject: Re: For USFS direction: RCC Viewshed analysis  
t

Debby -

I agree with everything that you are saying (in concept) my concern is that Horst and Golder's work is being developed on a landform in a drainage – supported on several sides by the natural ground and not a free-form structure perched on the top of a hill or a drainage. That affects the stability and the stormwater management requirements. I do not think that you can evenly apply ALL grading on all shapes – it will give an indication yes, but needs to be judiciously applied. I am hoping that you get the disclaimers from Golder and Horst as to the applicability of applying their design techniques to other drainages or other locations – possibilities aren't necessarily reality.

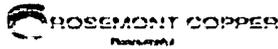
Cheers!

Kathy

Katherine Ann Arnold, P.E. | Director of Environmental and Regulatory Affairs

Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724

[karnold@rosemontcopper.com](mailto:karnold@rosemontcopper.com)



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**From:** Debby Kriegel <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>

**Date:** Wed, 10 Feb 2010 08:34:47 -0600

**To:** Marcie Bidwell <[mbidwell@swca.com](mailto:mbidwell@swca.com)>

**Cc:** David Krizek <[david.krizek@tetrattech.com](mailto:david.krizek@tetrattech.com)>, Katherine Arnold <[karnold@rosemontcopper.com](mailto:karnold@rosemontcopper.com)>, Tom Furgason <[tfurgason@swca.com](mailto:tfurgason@swca.com)>, Trent Reeder <[treeder@swca.com](mailto:treeder@swca.com)>, Debby Kriegel <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>

**Subject:** Re: For USFS direction: RCC Viewshed analysis

Simulations created for visual resource analysis and the EIS must be honest and accurate depictions of what the alternative would look like. They need to include stormwater management features, such as benches, if these features would be required. It is not appropriate to simulate 3:1 smooth top-to-bottom slopes if benches will be necessary (I'm assuming that this is what you're calling "angular grading" from Tetra Tech).

Golder's work will be complete on Monday, and the results may indicate that fewer benches are required. Horst Schor's work is expected to create more natural forms to deal with stormwater. Both of these would lessen effects to visual quality and should be incorporated as much as possible into alternatives and resulting simulations.

The exception would be the MPO, which doesn't have a stormwater grading plan. I recommend printing a disclaimer statement regarding this on the MPO simulations.

Thanks.

Debby Kriegel

"Marcie Bidwell" <[mbidwell@swca.com](mailto:mbidwell@swca.com)> 02/09/2010 02:36 PM

To

"Krizek, David" <[David.Krizek@tetrattech.com](mailto:David.Krizek@tetrattech.com)>, "Debby Kriegel" <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>, "Tom Furgason" <[tfurgason@swca.com](mailto:tfurgason@swca.com)>, "Kathy Arnold" <[karnold@rosemontcopper.com](mailto:karnold@rosemontcopper.com)>, "Trent Reeder" <[treeder@swca.com](mailto:treeder@swca.com)>

cc  
Subject

For USFS direction: RCC Viewshed analysis

Hello Debby and Kathy,

I wanted to check in with you for direction to SWCA and Tetra Tech regarding what level of engineering resolution that we should all use in visual analysis and supporting efforts.

Please see David's message below and use the two attachments to place the questions in reference.

1. David has sent a pdf map of the Barrel only alternative that shows the angular grading of the "raw process."
2. I have attached a GIS view of the MPO with the benches etc, rather than smoothing, i.e. the "Raw process."

Due to the level of engineering development of the alternatives, David is proposing that both companies work from the raw version of the alternatives.

It is my understanding that working from the "raw" images would provide the "typical stormwater and benching" design that the Visual Coordination Meeting directed us to use (see KOP 12 attached).

**Debby**, Please confirm that we should all be working on the "raw" data that shows benching, to create a fair comparison.

**David**, I am still waiting for response to the questions that I submitted to Tt on Feb. 2 regarding the presentation of the MPO; I think my questions overlap with yours.

**From Marcie to SWCA, Tt, and USFS on 2/2/2010: RE: Visualization Coordination Follow Up and Minutes.**

**MPO- Specific Questions-**

1. Please confirm **which presentation of the MPO grading** we should use for **visualizations at Y10** is as presented in **Figure 9** of the Reclamation and Closure Plan (RCP).
2. Please confirm **which presentation of the MPO grading** we should use for **visualizations at Y20-** should the MPO be shown as **Figure 11** or **Figure 12** of the RCP.
3. Please indicate what the **geodatabase layer name** is that will have the "**composite of yearly reclamation areas**" in the data provided by Tt.

4. SWCA understands that the MPO should show benches as the following: waste rock, as 100 ft running slopes for each bench and approximately 100 ft wide road/bench surface; and tailings as 50 ft benches and running surface; the attached KOP 12 image shows the output from the MPO with benches as submitted. **Please confirm if this is what we should use for final grading.**

**From:** Krizek, David [<mailto:David.Krizek@tetrattech.com>]  
**Sent:** Tuesday, February 09, 2010 11:59 AM  
**To:** Marcie Bidwell  
**Cc:** Keepers, Ashley; Carrasco, Joel  
**Subject:** RCC Viewshed analysis

Marcie,

This e-mail is being sent just to clarify the shapes we are using for our viewshed analysis.

Depending on the alternative, the various alternatives have been developed to three different stages. These stages are:

1. Raw Stage
2. Smoothed Stage
3. Advanced Stage

For the ultimate footprint, the following stages have been done:

- |                                                        |           |                |
|--------------------------------------------------------|-----------|----------------|
| 1. Barrel and McCleary Alternative design              | raw stage | advanced       |
| 2. MPO                                                 | raw stage | smoothed shape |
| 3. Barrel Only Alternative                             | raw stage |                |
| 4. Sycamore Tailings and Barrel Waste Alternative      | raw stage |                |
| 5. Scholefield Tailings and McCleary Waste Alternative | raw stage |                |

For the Year 10 footprint, the following stages have been done:

- |                                                        |           |
|--------------------------------------------------------|-----------|
| 1. Barrel and McCleary Alternative                     | raw stage |
| 2. MPO                                                 | raw stage |
| 3. Barrel Only Alternative                             | raw stage |
| 4. Sycamore Tailings and Barrel Waste Alternative      | raw stage |
| 5. Scholefield Tailings and McCleary Waste Alternative | raw stage |

For the viewshed analysis, we are just planning on using the raw stage for all (Barrel Only Alternative attached for example). The raw stage is the angular version used to determine volumes, etc. Otherwise it won't be an equal analysis.

Is this what you were anticipating?

Sincerely,

**David Krizek | Principal**  
Main: 520-297-7723 | Mobile: 520-260-3490 | Fax: 520-297-7724

Tetra Tech

3031 West Ina Road | Tucson, AZ 85741 | [www.tetrattech.com](http://www.tetrattech.com) <<http://www.tetrattech.com/>>

*PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.*

*[attachment "Barrel Only\_raw shape.pdf" deleted by Debby Kriegel/R3/USDAFS] [attachment "11204\_KOP12\_PAb.jpg" deleted by Debby Kriegel/R3/USDAFS]*



"Marcie Bidwell"  
<mbidwell@swca.com>  
02/24/2010 12:31 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Tom Furgason"  
<tfurgason@swca.com>  
cc  
bcc

Subject RE: Rosemont Request for Information

Debby,

Thank you for continuing the follow up on these much needed items.

As to the contours, we do have the correct data set for the contours. I have confirmed this information. I apologize for the confusion/mis-information prior. I was hoping that there would be more data beyond the project area, and we have what we have. That's part of why the mountains do not always appear exactly the same in the GIS scenes as they do in the photos. As we are currently not planning on showing the GIS scenes in the specialist report, that works fine for me.

**Important Note!** We are waiting for stormwater direction from Tetra Tech per the conversation three weeks ago that determined that we should wait for Golders Report before proceeding. David said he is working on a memo- we are checking their FTP site for information.

David Krizek suggested that seeing Golders Report would be useful to making these decisions. Could the FS forward that report to David and Rosemont, if they have not already?

**Until the stormwater is decided, all of the simulations are all on hold. We are waiting for that information, and would like to get that process moving.**

Thank you!  
Marcie

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Friday, February 19, 2010 2:52 PM  
**To:** Marcie Bidwell  
**Subject:** Rosemont Request for Information

Hi Marcie: I spoke with Kathy this morning and we went through this list. Debby



"Trent Reeder"  
<treeder@swca.com>  
08/31/2009 07:04 AM

To "Marcie Bidwell" <mbidwell@swca.com>, "Debby Kriegel"  
<dkriegel@fs.fed.us>  
cc  
bcc  
Subject RE: I am in today, and Trent is working on the data

I will be in a meeting from 2-4 Tuesday afternoon and I also have a meeting the same day at 10 am.

I just downloaded the latest data from TT and I now should have all the necessary elevations. I also now have the cultural data from Lara.

Debby, even though Marcie is out today, I plan on finishing Alt's B and C today with the added cultural data for which we can discuss this afternoon if you need to see the results ASAP. Let me know. Thanks.

Trent

**From:** Marcie Bidwell  
**Sent:** Friday, August 28, 2009 3:03 PM  
**To:** Debby Kriegel; Trent Reeder  
**Cc:** Tom Furgason; Lara Mitchell  
**Subject:** RE: I am in today, and Trent is working on the data

Trent,

Do you have Arch data? Can you coordinate with Lara on this one?

Trent is in the process of downloading the data from TT, and we hope its right this time (third time is the TT charm, we hope for them).

Will 2:00 on Tuesday AZ time work for Trent and Debby?  
Marcie

---

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Friday, August 28, 2009 3:00 PM  
**To:** Marcie Bidwell; Trent Reeder  
**Cc:** Tom Furgason; Debby Kriegel  
**Subject:** Re: I am in today, and Trent is working on the data

Marcie,

I liked your idea of simply pushing the east buttress up against the rest of the waste rock pile. This would get the material a little farther away from Highway 83, while still creating some less monolithic topography.

Also, our archaeologist told me that the east lobe in 6b and 6c covers an archy site called "the ballcourt", which is probably the most significant cultural site near here. Is there a way to get a map of the ballcourt location? I know the focus of this exercise is on visual resources, but avoiding this archy site might give Tetra Tech additional rationale to relocate/reshape the pile.

I'm headed home now. Please call me when you're in next week (Monday or Tuesday).

Thanks!!

Debby

"Marcie Bidwell" <mbidwell@swca.com>

08/28/2009 11:22 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Trent Reeder" <treeder@swca.com>  
CC "Tom Furgason" <tfurgason@swca.com>  
Subject I am in today, and Trent is working on the data

Debby,

Just an update while I deal with some other issues first this morning.

Trent is working to get the TT data with the contour data attached. They keep sending data without elevations. He is on task and talking with Ashley to resolve this. If he gets an update, he will call you directly and pull us together.

I am here today until 2. If we get the data ironed out there will be something to talk about.

As I understand it talking with Tom (SWCA) and Ashely and Joel (TT), we need to ask TT quesitons, they then ask Mouse Mountain, TT then tells us the answer.

If you would like to generate some questions regarding (1) how to move the pile and (2) where to move the pile (away from the highway, we could initate that process.

I am required to approve some invoices before I can work on this. Hope to have that done in the next hour.

I will call soon,  
Marcie

Marcie Demmy Bidwell  
Environmental Planner  
130 Rock Point Drive, Suite A  
Durango, Colorado 81301  
Office: 970.385.8566

Fax: 970.385.1938

[www.swca.com](http://www.swca.com)

Debby Kriegel/R3/USDAFS  
05/25/2010 09:44 AM

To Beverley A Everson/R3/USDAFS@FSNOTES, Melinda D  
Roth/R3/USDAFS@FSNOTES, tfurgason@swca.com,  
mbidwell@swca.com  
cc Debby Kriegel/R3/USDAFS@FSNOTES

bcc

Subject Rosemont - Visual Resources SOW 

I have reviewed SWCA's scope of work for visual resources, discussed many items with Marcie, and made some relatively minor edits to the original document.

I approve the attached Scope of Work with the following disclaimers:

1. Much of the work described here is not currently funded. This concerns me and needs to be resolved.
2. I would like Marcie to focus efforts on the specialist report. Writing the EIS should follow.
3. Although this scope describes the majority of the tasks needed for visual resources, there may some unforeseen items that would need to be added, such as:
  - Attendance at special meetings when Marcie's participation is desired and/or additional trip(s) to Tucson if needed to complete all work.
  - Site visits to other mines or reclamation projects, if appropriate and needed to collect information appropriate for the Rosemont project.
  - Additional simulations, if necessary for effects analysis.



Scope\_Visual\_Resources\_2010\_05\_25.doc

~~~~~  
Debby Kriegel, RLA
Landscape Architect
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8427
Fax (520) 388-8305
www.fs.fed.us/r3/coronado/
dkriegel@fs.fed.us

Beverley A Everson/R3/USDAFS



Beverley A
Everson/R3/USDAFS
04/07/2010 02:17 PM

To Debby Kriegel/R3/USDAFS@FSNOTES
cc

Subject Fw: Visual Resources SOW

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor

Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 04/07/2010 02:17 PM -----



"Tom Furgason"
<tfurgason@swca.com>
03/03/2010 03:50 PM

To "Beverley A Everson" <beverson@fs.fed.us>
cc
Subject Visual Resources SOW

Bev,

I'm sorry to make you ask again. Here is the visual SOW that we are authorized to work on. Please keep in mind that any violations in assumptions will likely require more money from Rosemont.

Tom[attachment "Doc1.docx" deleted by Debby Kriegel/R3/USDAFS]

Task 5.2.Issue 2—Visual Resources

Subtask A. Affected Environment Update for 6 Alternatives and Connected Actions

- Update affected environment to incorporate alternatives, for specialist report and EIS.
- Collect KOP in Tucson area with GPS and photography.
- Update basic existing conditions maps to show key observation points (KOPs), sensitive viewer areas, bounds of analysis, concern levels, and scenic objective classes.

Subtask B. Prepare Alternatives Data: Convert CAD and Construct 3D GIS Surface

- Process CAD data and model data for GIS digital elevation modeling. Generate 3-D digital surfaces for the MPO and proposed alternatives at each construction phase selected for simulations.
- Create one set of 3-D working maps and diagrams for USFS and RCC to review potential scene from each KOP to be selected.
- Budget Assumptions: 12 data sets to process each alternative at 20-yr Phase and one additional time phase mid-construction.

Subtask C. Prepare KOPs, Existing Conditions, Panoramas, and Visibility Maps

- Review all alternatives and KOPs established by the USFS and KOPs to propose to USFS for analysis, simulations, and level of detail for connected actions to define areas where impacts from the project is expected to be highly visible, distantly visible, and not visible (i.e. blocked or out of view)
- Prepare “existing conditions” panoramas for potential KOP simulations and review for use as simulations. For KOPs where project would be visible, select a phase to represent for each KOP in addition to Reclamation (i.e. construction at 5 years, etc.).
- Meet with USFS and RCC to review data, KOP selection and “photo realistic” process (1-2 meetings) includes meeting preparations, meetings, and meeting summaries. Review draft simulations with specialists from USFS, SWCA, and RCC to direct specific aspects of renderings (soils, reveg, etc.)
- Budget Assumptions: 8 KOPs 20-yr Phase and additional Phase for 6 KOPs

Subtask D. Draft Specialist Report Analysis Methodology and Evaluation Criteria

- Draft analysis methods and evaluation criteria that will be used to define and evaluate project effects for the project resources included in the study for all alternatives and KOPs.

Subtask E. Draft Visibility Diagrams and Simulations; Review with USFS/RCC

- Create computer simulations of proposed alternatives (6 total action alternatives) for selected KOPs for highly visible, moderately visible, and distantly visible locations. Highly visible and moderately visible KOPs simulations will show 2 phases of the proposed alternatives for each KOP (e.g. TBD construction phase and 20-yr final reclamation). Each simulation will show waste rock and tailing pile forms, pit, roads, stormwater, vegetation, and infrastructure.
- For KOPs where the MPO and proposed alternatives would not be visible, prepare a section diagram or labeled panorama showing key landscape features and visual screen.
- Prepare photorealistic simulation images for KOPs.
- Review draft simulations with resources specialist from RCC, USFS, and SWCA to direct specific aspects of renderings; reclamation, soils, vegetation, etc.
- Complete a Draft review with USFS and RCC staff at meeting in Tucson.

Subtask F. Prepare Environmental Consequences Analysis

- Prepare an environmental consequences analysis for Specialist Report. Report will include analysis of direct, indirect, and cumulative effects, and compare alternatives. Utilize direction from FSM/FSH and USFS Project Level Scenery Analysis. Deliverables: Completed Visual Resources Specialist Report for all alternatives including draft simulations, visibility diagrams, and maps.

Subtask G. Finalize Diagrams and Simulations; Review with USFS/RCC

- Complete changes to simulations.
- Submit final formatted figures (e.g. panoramas, diagrams, simulations) to USFS and RCC for final approval.
- Budget Assumptions: Diagrams and Simulations will focus on land forms and will include 1 final review with USFS and RCC.

Subtask H. Final Specialist Report.

- Finalize Specialist Report and review with USFS.
- As needed, provide text for EIS.

Assumptions:

- Costs are based upon deliverables for each proposal according to the number of KOPs brought forward for simulations and figure diagrams. All alternatives will describe up to 24 KOPs for the analysis process. Revised USFS and USFS original budgets include up to 8 panoramas, non-visible KOPs diagrams for up to 6 KOPs, and simulations of highly visible and moderately visible KOPs for 8 KOPs for each of 6 proposed alternatives (up to 48 simulations) at 20-yr final reclamation and up to 6 KOPs for a construction phase per alternative (36 simulations). However, not

all KOPs will require simulations for all alternatives (i.e. Sycamore canyon will not be visible from many of the KOPs along SR 83). KOPs and level of detail for simulations will be formalized at the initial simulation meeting; however costs are assumed based upon the list of KOPs provided by the USFS Simulation Strategy.

- RCC to provide all data and elevations required for simulations, including a 3D model of any facilities, structures, or transmission infrastructure. USFS, RCC and SWCA will collectively contribute example imagery for depicting coloration, texture, formations, structures, and other details for portrayal in the simulations prior to simulations initiating. Surface data or changes to surface data that is provided/requested after 3D modeling is initiated will be incorporated on a time and materials basis. Direction regarding these details that is received after simulations have been initiated that varies dramatically may result in a change order. Simulations that require detailed development of the mine plant will be completed on a time and materials basis. Field work for 10 of the 14 KOPs has already been collected under the Visual Technical Report scope. SWCA assumes that Mt. Wrightson has been photographed by Rosemont's subcontractors and SWCA will be able to use this panorama for simulations. It is assumed that field documentation will be required for Box Canyon and Tucson KOPs at a minimum. Changes to the KOPs or to the construction phase selected for simulation after this meeting may require additional field work and may result in a change order. Additional KOPs, simulations, phases, or alternatives may be requested for an additional fee.
- Simulations will be classified as "highly visible" or "moderately visible". Highly visible simulations will show detailed variations in land form, vegetation, color, and texture for tailings and waste rock placement. Moderately visible simulations will show general variations in land form, vegetation, color and texture due to the level of detail being reduced by the distance of the viewer from the project area.
- Should KOPs simulations require extensive details of mining facilities, conveyors, equipment, transmission lines, etc, the work for these layers will be performed on a time and material basis, due to the unpredictable level of detail and effort required for these structures.
- Research for revegetation species and growth rates shall be provided by a separate contract funded by Rosemont. Based on findings, RCC and USFS are to agree upon the level of reclamation and vegetation success to be rendered prior to initiation of photoreal simulations. Changes in the direction given to SWCA to represent these aspects will require a change order, should they require additional time and effort to address.
- RCC will provide example photographs of existing reclamation, mining structures, vegetation mixes, soil types and colors, and other data to SWCA prior to the initiation of the simulations. Necessary imagery will be discussed at simulation meeting.
- This estimate assumes that SWCA will create 3D surfaces for MPO and proposed alternatives from RCC CAD drawings for up to 2 phases of construction. Should RCC provide GIS surfaces, these costs may be reduced accordingly.

- Changes in data, proposed action, and level of detail requested for simulations, phases of construction, and resolution of imagery after project initiation will require adjustments based upon time and materials. SWCA will submit surfaces to RCC and USFS for review prior to creation of simulations.
- Cost estimate includes two in-person meetings as two trips to Tucson for Marcie Bidwell to work with USFS and RCC on simulations, per direction of USFS staff. Additional trips may be required by USFS or RCC, and these will be arranged through an additional change order. Each task includes meeting hours for senior staff, visual specialist, editors as necessary and senior GIS under each task; additional meetings may be arranged on a time and materials basis.
- This scope of work includes one round of draft review and one round of final review for specialist report and simulations, unless review comments are extensive, in which case an additional draft review may be needed. Additional changes, reviews, or updates will require an additional change order. Ideally, review of final images will require minimal edits agreeable to both USFS and RCC for accurate portrayal of the MPO. Explorations of mitigation options (such as painting facilities alternative colors or reducing pit contrast through other than agreed-upon mitigation treatments) would be covered under an additional scope. USFS and RCC should attempt to synchronize their comments prior to submittal to SWCA; should differences of opinion occur, SWCA will default to USFS guidance as the official SWCA client.

Debby Kriegel/R3/USDAFS
08/24/2010 12:40 PM

To tjchute@msn.com, Melinda D
Roth/R3/USDAFS@FSNOTES, tfurgason@swca.com
cc Beverley A Everson/R3/USDAFS@FSNOTES,
mbidwell@swca.com, Debby
Kriegel/R3/USDAFS@FSNOTES
bcc

Subject Rosemont Chapter 2 comments (and EIS organization)

A week or two ago, I had a phone conversation with Marcie Bidwell. Normally in a NEPA document/process, there is a proposal, and then alternatives to the proposal (no action and other actions). Marcie and I had different understandings of whether Rosemont's EIS would be organized this way.

After scanning chapter 2, I'm still confused. I also immediately noticed some typos, inconsistencies, and more:

- The first heading reads "Alternatives, Including the Proposed Action". Is the proposed action really an alternative? If so, what is everything an alternative to?
- On page 2, there is a list of "Alternatives Considered in Detail", which lists No Action, Barrel-Mcleary (misspelled), Upper Barrel Only (I thought we dropped the word "Upper" a long time ago), and Scholefield-McCleary (I thought we dropped the word McCleary, now that waste rock will not be placed in McCleary creek).
- I have many comments on the Visual Quality, Recreation, and Reclamation sections (see attached).



Chapter_2_Comments_Kriegel_082410.docx

----- Forwarded by Debby Kriegel/R3/USDAFS on 08/24/2010 12:02 PM -----



Beverley A
Everson/R3/USDAFS
08/24/2010 10:50 AM

To Debby Kriegel/R3/USDAFS@FSNOTES
cc
Subject Chapter 2, June 21, 2010 version.docx

As promised.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

[attachment "Chapter 2, June 21, 2010 version.docx" deleted by Debby Kriegel/R3/USDAFS]



"Marcie Bidwell"
<mbidwell@swca.com>
07/22/2009 07:51 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc "Tamara Larson" <tklarson@swca.com>
bcc
Subject RE: VQO/SIO discussion~

History:  This message has been replied to.

Thanks~

Here is the next section~ is this close to what you would want for landscape description?

3.8.1.1 Existing Landscape Character

Landscapes and their scenic quality vary according to the diversity of landforms, vegetation, and cultural or man-made features present. In general, landscapes with greater diversity of features are considered to be of higher scenic quality. The landscape in this area of southern Arizona is within the Basin and Range physiographic province. Additionally, it is located within the Madrean Archipelago located between two cordilleras, which are the Rocky Mountains and the Sierra Madre Occidental. It is characterized as a series of mountain ranges separated by grassland or desert, rising above the arid lands to form islands in the sky, known as the Sky Islands. This eco-region spans from southern Arizona and New Mexico to northern Mexico with approximately 40 islands in the sky (Warshall, 1995).

Topographic pattern of the general area varies to include defined ridges, rocky outcrops, gentle slopes, wide valleys, and canyons. The elevation in the project area is approximately 4,800 feet mean sea level (msl), with the high point of proposed facility 5,200 feet msl and the top of the leach pit at 5,280 feet msl). The Santa Rita Mountains reach an elevation of 5,965 feet, are one of the Sky Islands located in the project area's foreground, and represent the prevalent natural landform in the Project Area. Rolling hills start in the foreground and continue into the middleground with deeply carved canyons and incised arroyos. From other areas of the Coronado National Forest, the Santa Rita Mountains and other Sky Islands form a backdrop or background as jagged silhouettes that create an irregular skyline of rocky promontories and ridges. More detail regarding landforms may be found in Section xx Geologic Resources.

Vegetation in the area is characteristic of arid climates with two main vegetative communities: Semi-desert Grassland and Madrean Evergreen Woodland. Semi-desert Grassland, found at lower elevations, is characterized by broadly defined grassland, mixed shrub-succulent or xeromorphic tree savanna (<http://earth.gis.edu/swgap>)^[mddb1]. The Madrean Evergreen Woodland, at higher elevations and in the western and southern extents of the project area, is characterized by oak-juniper-mesquite woodlands and savannas. For more detailed description on vegetation, refer to the Biologic Assessment in Appendix XX or Section xx Vegetation.

Lines from flat, smooth planes of light colored grasses of the savannas contrast against the vertical angles of the trees and shrubs within the woodlands and vertical thrust of the rocky outcrops. Lines from landform features include undulating converging lines from gentle, dendritic slopes to the jagged and sharp skyline of the Santa Rita Mountains.

Textures in the area vary from smooth, low-lying grasslands to patchy clumps of trees and shrubs. Striations of vegetation define northern slopes and arroyo bottoms. Rough, rocky canyons and ridges contrast with expanses of smooth grassy slopes and patches of trees and shrubs. Isolated, dense stands of lush green vegetation cluster around rural residential areas and ranches that surround CNF.

Colors in the landscape are dramatically affected by season, lighting, sun angle, dust, air quality, and distance. Grasses and savannahs are typically bright green to golden yellows. From a distance of four miles or more the vegetation around the project site as background appears as muted tones of grays and sands dappled with hues of pinks and purples blending all herbaceous growth together.

Cultural Elements & Land Uses

The area surrounding the Rosemont Copper Project has high intrinsic values with a variety of cultural elements. Cultural elements are those human altered attributes in a landscape that add positive cultural elements with historical or nostalgic connotations. Visual evidence of this colorful past, include working ranches, old homesteads, mine equipment and landforms, and cultural influence of Spanish and Mexican occupation and settlement. Evidence of the old homesteads that were settled followed the Gadsden Purchase of 1853 still remains. Remnants of mining operations that continued into the nineteenth century extracting gold, silver and copper is apparent in the landscape.

Land use around the project area is a combination of private, state, BLM and Forest Service lands. The private lands are used for rural development, mining, and ranching. Ranching is the primary use of the nearby state trust lands. BLM and Forest Service lands are multiple use areas with dispersed recreation occurring most frequently in this region.

Current Forest Service land use in the Santa Rita EMA at the proposed Rosemont Copper Project site is largely recreation for roaded, backcountry, and wild backcountry settings. Present land use in the area outside of Forest Service land is recreation, scenic driving, ranching, and rural residential development.

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Wednesday, July 22, 2009 8:43 AM
To: Marcie Bidwell
Cc: Tamara Larson; Debby Kriegel
Subject: Re: VQO/SIO discussion~

Marcie: I did a little editing. Thanks! Debby

3.8.1.1 USFS Federal Policy and Guidance

Historically, federal policy directed that national forest plans utilize the 1974 Visual Resource Management System (VRMS). Forest plans, including the Coronado National Forest Plan (USFS

1986), would establish Visual Quality Objective (VQO) maps and other tools to set management objectives. However, since the mid-1990s, National Forests have been directed to use the improved Scenery Management System (SMS) and Scenic Integrity Objectives (SIOs) as defined within Forest Service Handbook 701 *Landscape Aesthetics: a Handbook for Scenery Management* (1995). The handbook provides guidance for defining landscape units based on landscape character types, scenic integrity, and scenic attractiveness, and for identifying sensitive travelways and mapping landscape visibility. Although the specific process, terminology, and mapping units for the VRMS and SMS are quite different, the components of both systems are similar, and analysis (i.e., affected environment, environmental consequences, mitigation, cumulative effects, etc.) for the proposed project yields largely the same results under either system (Kriegel, 2009). To remain consistent with the existing Coronado National Forest Plan, VRMS and VQOs will be utilized as the standard for this analysis; however, SMS and SIOs will be referenced as the current visual inventory to support the description of the existing environment.

Under VRMS, Visual Quality Objectives (VQOs) were established to assure visual resource integrity in all land management decisions (Forest Service Manual 2380). Lands are categorized to describe the allowable degree of alteration in a management area, which is measured in terms of visual contrast with the existing characteristic landscape. The categories present a scale from pristine to highly altered landscapes to be managed for: Preservation, Retention, Partial Retention, Modification, and Maximum Modification.

"Marcie Bldwell" <mbldwell@swca.com>

07/21/2009 07:29 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Tamara Larson" <tklarson@swca.com>
cc
Subject VQO/SIO discussion~

Debby,

Glad we could talk today~ thanks for cutting me some slack regarding being in the field.

Here is the section that I was referring to for VQO/SIO section, as its written. Currently. As I know its hard to just see one section,

3.8.1 Applicable Laws, Regulations, and Policies

Mining projects on federal lands are guided by federal laws, regulations and policies with some state specific directions. The Arizona State manuals on mining have limited reference to visual resources. Therefore, federal policy and Coronado Forest Plan guidance serves as the legal

direction on visual resource management for the Rosemont Copper Project.

3.8.1.1 USFS Federal Policy and Guidance

Historically, federal policy advocated that national forest plans utilize the 1974 Visual Resource Management System (VRMS). Forest plans, including the Coronado National Forest Plan (USFS 1986), would establish Visual Quality Objective (VQO) maps and other tools to set management objectives. However, since the mid-1990's, National Forests have been directed to use the improved Scenery Management System (SMS) and Scenic Integrity Objectives (SIOs) as defined within Forest Service Handbook 701 *Landscape Aesthetics: a Handbook for Scenery Management* (1995). The handbook defines landscape units based on landscape character types, evaluation of scenic integrity, and evaluation of scenic attractiveness. Although the specific process, terminology, and mapping units for the VRMS and SMS are quite different, the components of both systems are similar, and analysis (i.e. affected environment, environmental consequences, mitigation, cumulative effects, etc.) for the proposed project yields largely the same results under either system (Kriegel, 2009). To remain consistent with existing Coronado Forest Plan, VRMS and VQOs will be utilized as the standard for this analysis; however, SMS and SIOs will be referenced as the current visual inventory to support the description of the existing environment.

Under VRMS Visual Quality Objectives (VQO's) were established to assure "visual resource integrity in all land management decisions" (REFERENCE).. Lands are categorized to describe the allowable degree of alteration in a management area, which is measured in terms of visual contrast with the existing characteristic landscape. The categories present a scale from pristine to highly altered landscapes to be managed for: Preservation, Retention, Partial Retention, Modification, and Maximum Modification.

If you have a chance to take a look at this on Weds, that would be grand!!

Thanks!

Marcie

Marcie Demmy Bidwell
Environmental Planner
130 Rock Point Drive, Suite A
Durango, Colorado 81301
Office: 970.385.8566
Fax: 970.385.1938
www.swca.com



"Tom Furgason"
<tfurgason@swca.com>
01/15/2010 10:04 AM

To <dkriegel@fs.fed.us>
cc "Marcie Bidwell" <mbidwell@swca.com>, "Stephen Leslie"
<sleslie@swca.com>
bcc

Subject AZ Trail Jamboree

History:  This message has been replied to.

Debby,

Here is the link to the map of the AZ Trail Jamboree ride from last weekend:
http://topofusion.com/maps/Jamboree/AZT_Jam_Web.jpg

Here is the link to the web site with more information: <http://topofusion.com/jamboree.php>

The other mountain bike event recently held in the area was part of the Arizona Endurance Series. The start/finish was near Rosemont Junction and did a big loop around the Kentucky camp area (<http://rockyroad5050.wordpress.com/salero-ranch-race/>). I have no idea what the participation was, but it would be easy to find out. Both events were organized by the same group of people.

As I mentioned during our meeting yesterday, the mountain biking community is becoming more aware of the area and I expect use of the Las Colinas segment of the Arizona Trail to increase steadily.

Please let me know if the Coronado would like me to unofficially reach out to the organizers to let them know about the need for special use permits for events like this on the Coronado.

Tom Furgason

Program Director
SWCA Environmental Consultants
343 West Franklin Street
Tucson, AZ 85701
(520) 325-9194 ext. 110
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(520) 325-2033 fax



"Marcie Bidwell"
<mbidwell@swca.com>
07/30/2010 04:09 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Trent Reeder"
<treeder@swca.com>
cc
bcc

Subject RE: Vegetation changes to simulations - 1 of 3

History:  This message has been replied to.

Thank you Debby for the comments. I am working my way through the rock colors that Tetra Tech uploaded July 20th or so (after we had been asking for them for months). I have not made it through all of them yet. Thank you for noting which KOP the pit comment came from because that does make it easier to decipher appropriate actions.

One note- David and I are switching our label names for KOP to a more USFS-friendly term "View Point" rather than KOP (more BLM accepted). We will however still label the files as KOP, because we have so much completed under that naming convention.

I could go over the images with you- what does your Monday afternoon look like?

Trent, please see the edits below.
Thank you,
Marcie

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Friday, July 30, 2010 3:07 PM
To: Marcie Bidwell
Cc: Debby Kriegel
Subject: Re: Vegetation changes to simulations - 1 of 3

Thanks for sending the new graphics. The vegetation looks good to me (i.e., reduced amount of reveg).

Once you get the channel/road around the pit added to one simulation, I'd like to see it.

The simulation that Kathy Arnold commented on the pit looking like it was in front of the mountain was from KOP 6. Have you messed with a simulation for that KOP recently?

I'm still concerned about the pit color. Did you find out whether Tom can send someone out to take photos of the existing quarry? Some of your simulations show the upper pit as the same color as the grass in the foreground. Is this rock really that dark, or is it more whitish?

I've briefly opened each of the dozens of files on the DVD Melissa burned. Many of these images I understand and look fine, others I'm less clear on. Would you like to go through these with me and explain what I'm seeing and what you'd like my ok on?

Comments on the seen area map

1. On the legend, change "Viewable area" to "Areas with potential views of projects"
2. On the legend, change "Proposed Construction Area" to "Proposed Project Area"
3. The BOR land color is almost white and difficult to see
4. The FS color on legend doesn't match the map

"Marcie Bidwell" <mbidwell@swca.com>

07/29/2010 02:46 PM

To: "Debby Kriegel" <dkriegel@fs.fed.us>

cc

Subject: Vegetation changes to simulations - 1 of 3

Hello Debby,

I am sending you a few simulations for you to review for changes in veg and pit colors.

We are still working on the diversion channels and roads that Rosemont said would connect the two lobes of the pit. However, any comments on the pit looking "more connected" and less "in front of" the mountain ridge?

I think it is working better, I will be sending my comments in as well.

Thanks!

Marcie <<KOP_1_MPO_20YR.jpg>>

Marcie Demmy Bidwell

Environmental Planner

130 Rock Point Drive, Suite A

Durango, Colorado 81301

Office: 970.385.8566

Fax: 970.385.1938

www.swca.com[attachment "KOP_1_MPO_20YR.jpg" deleted by Debby Kriegel/R3/USDAFS]

No virus found in this incoming message.

Checked by AVG - www.avg.com

Version: 8.5.441 / Virus Database: 271.1.1/3038 - Release Date: 07/30/10 06:34:00



"Trent Reeder"
<treeder@swca.com>
04/09/2010 02:14 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc "Marcie Bidwell" <mbidwell@swca.com>
bcc
Subject RE: Viewshed Example

Here are a couple of new images with TT's Scholefield/McCleary KOP 2 viewshed analysis results (in red) overlaying ours (in green). The orange viewshed color is where the two viewsheds overlap.

Regarding in how TT delineated these viewsheds using the Global Mapper GIS software, I am not exactly sure how this software computes viewshed. What I do know, their base viewshed analysis layer is the same resolution as ours. Meaning, a 10 foot resolution elevation map. The big unknown is how they constructed their base surface with the proposed construction alternative surface to generate the viewshed analysis. So, not only does the different software have different ways in computing viewsheds, but likely the two GIS software packages differ in how the base surface and proposed alternative surfaces are constructed.

What does all this mean? Well, I cannot give a definitive answer to say whose analysis is more accurate. Both viewsheds depict areas on the map that the others did not.

Debby, would you still like to talk about the results over the phone?

Thanks,
Trent

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Wednesday, April 07, 2010 2:51 PM
To: Trent Reeder
Cc: Marcie Bidwell; Debby Kriegel
Subject: Re: Viewshed Example

Trent: Thanks for doing this. Your results look more like what I'd expect to see, though you're right that it's not wildly different from Tetra Tech's map.

Marcie: Trent's version shows at least 2 additional benches (100 ft vertical), and this is just from one KOP, so this supports my concern about Tetra Tech's visibility results inside the pit. Do you think I ought to include these examples in my response? Can we ask Tetra Tech to use the GIS software Trent is using? Or do you have other recommendations?

"Trent Reeder" <treeder@swca.com>

04/07/2010 12:58 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc "Marcie Bidwell" <mbidwell@swca.com>
Subject Viewshed Example

Hi Debby,

Here are two images from the same KOP 2 location showing the viewshed analysis results for Scholefield/McCleary. The first image is a plan view of our viewshed results. The green color represents viewable terrain from KOP 2. The second image shows a 3D version from KOP 2 with the viewshed results (in green) overlaying the 3D terrain.

Reviewing TT's KOP 2 Alt 5 viewshed analysis, their viewshed analysis is not too different than the attached images we created. I believe TT is using different GIS software to generate their viewsheds. Because we are using two different GIS software to generate these viewsheds, both software algorithms may differ in how they compute viewsheds.

Another thing to point out in their Scholefield/McCleary viewshed PDF, we noticed that the Heap Pile southeast of the pit was not turned on, but it looks like they did take that Heap Pile into account in their viewshed analysis and this does obscure some of the pit.

Please let me know if you have additional questions. Thanks!

Trent Reeder
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www.swca.com

[attachment "ALT5_YR20.jpg" deleted by Debby Kriegel/R3/USDAFS] [attachment "ALT5_ScholefieldMcCleary_YR20.jpg" deleted by Debby Kriegel/R3/USDAFS] [attachment "ALT5_YR20_TT.jpg" deleted by Debby Kriegel/R3/USDAFS] [attachment "ALT5_YR20_TT_zoom.jpg" deleted by Debby Kriegel/R3/USDAFS]



"Marcie Bidwell"
<mbidwell@swca.com>
08/17/2010 11:52 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Tom Furgason"
<tfurgason@swca.com>, "David Harris"
<dharris@swca.com>

cc

bcc

Subject Update for Visual Resources 8/17

History:

✉ This message has been replied to.

Hello Debby,

Yes, we are working hard and great progress is being made.

I wanted to ask what your schedule will be like for next week or the end of this week.

I talked to Tom about sending David to the area to see the project area for himself and Tom agreed that would be a good idea. Finding the right time to stop writing and get him in the field is the issue.

Other updates-

1. EC- filling it in and we are moving the outline around as needed to keep it making sense.
2. Simulations- working on the last set- KOP 8, and refining the rest. It would be good to send you a package of the simulations in the figure format and get your response to them later this week.
3. AE- mostly updated, and adjusting as needed to prepare the reader for EC.
4. I received the paint chips and will be circulating photos of them in the sun later.
5. I am working to understand how reclamation as planned and as mitigated is being integrated/written into Chapter 2 so that we can build on it for our analysis.

My best to your mom! Hip injuries are so hard to deal with, its great that you can help her!

Cheers,
Marcie

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Tuesday, August 17, 2010 12:11 PM
To: Marcie Bidwell
Subject: Debby's

Marcie,

Haven't heard from you for several days, but I'm sure you're working hard.

I'm taking this afternoon off, and I won't be in tomorrow (my mom broke her hip over the weekend and I'll be helping her). I'll be back in the office on Thursday morning...can you provide an update or schedule then?

Thanks.

~~~~~  
Debby Kriegel  
Coronado National Forest  
Tucson, AZ 85701  
(520) 388-8427



"Marcie Bidwell "  
<[mbidwell@swca.com](mailto:mbidwell@swca.com)>  
11/04/2009 07:33 AM

To "Debby Kriegel" <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>  
cc  
bcc  
Subject Original Visual Proposal

Debby,

Here is the original visual proposal that included some design time. When the RCC draft of SWCAs contract came back in the winter/spring, it had removed the design tasks and only included the specialist report.

Here is what I found..... You should have a copy of this as well. Still reviewing files  
<<Visual Proposal 2008-12-09.pdf>>

Marcie Demmy Bidwell  
Environmental Planner  
130 Rock Point Drive, Suite A  
Durango, Colorado 81301  
Office: 970.385.8566  
Fax: 970.385.1938



[www.swca.com](http://www.swca.com) Visual Proposal 2008-12-09.pdf

## Rosemont EIS- Visual Design Services

### Task 1. Visual/Remediation Design Meeting, Remediation Field Trips

*Tasks: Participate in one design/remediation briefing meeting with USFS staff, one 8-hour field visit with USFS and other USFS designees, and two 4-hour debrief meetings to review opportunities with project staff. Document and record notes, GIS data, and discussion from Field Visits.*

*Deliverables:*

*Site Analysis- Brief Meeting Notes/Technical Memo and Map that identifies critical viewsheds, opportunities and challenges for visual resource protection (and other resources that are identified to participate in the design process such as wildlife, water quality, etc.).*

*Design Alternatives Working Group Meeting- Facilitate working group meeting to (1) identify resources to participate in the alternative process, (2) define process, and (3) assign roles, responsibilities, and action items for design process.*

*Labor- approximately 46 hours for meetings, USFS field visit, and staff meetings.*

*Expenses*

### Task 2. Collect, Analyze, and Summarize Design Information

*Tasks: Collect, analyze and summarize constituent information through scoping, key interviews with Rosemont design team, USFS staff, FS records, and other relevant sources. Identify design opportunities for dry stacking, tailing pile orientation, placement, and remediation that are important to structure a design that maximizes visual protection.*

*Labor- approximately 138 hours for data collection, plan review and critique, and research*

*Expenses*

### Task 3. Identify Design Evaluation Criteria for New Design/Alternative

*Tasks: Identify evaluation criteria that will be used to define and evaluate project effects for the project resources included in the study. Evaluation criteria may include restoration indicators, design guidelines, setting indicator.*

*Deliverables: Design and Evaluation Criteria for project evaluation.*

*Labor- approximately 21 hours for development, structure analysis, draft and final criteria*

*Expenses*

### Task 4. Prepare Visual Analysis/Alternative/Specialist Report

*Tasks: Prepare a report which summarizes the existing alternative and recommends (1) areas for improvement for the existing alternative, and/or (2) defines a new alternative or design guidelines/standards for new alternative. Report should describe the remediation characteristics, tailing pile design specifics or location, and include maps to show recommended strategies.*

*Deliverables: Visual Analysis Specialist Report including Existing Alternative Critique and (if appropriate) Alternative Proposal, Summary of Research Findings*

*Labor- approximately 120 hours including GIS, editing, and specialist report*

*Expenses*

### Task 5. Participate in Project Interdisciplinary Meetings

*Tasks: Participate in interdisciplinary meetings to present information to other resource specialists, to collaborate with USFS and their designees, and to participate in the development of new alternatives.*

*Labor- approximately 80 hours including up to 4 meetings, 8 conference calls, and meeting preparations (GIS, presentations, etc).*

*Expenses*

**Task 6. Prepare GIS Model of Visual Design Alternatives**

*Tasks: Prepare GIS model to explore design alternatives, implications from visual corridors, and affects of design proposal, remediation recommendations, and cumulative effects on visual qualitates and other identified resources.*

*Labor- approximately 150 hours including GIS, review, and project oversight*

*Expenses*

*Note, all totals are roun*

---

**Project Total**

*Assumptions*

Debby Kriegel/R3/USDAFS  
08/03/2010 10:53 AM

To "Marcie Bidwell" <mbidwell@swca.com>, dharris@swca.com  
cc Debby Kriegel/R3/USDAFS@FSNOTES  
bcc  
Subject Rosemont AE and EC outline - Additional recommendations  


I just got out of a meeting with the project's new NEPA person (Terry Chute). Some things he recommended which relate to the outline and chapter 3:

1. In Affected Environment, improve the description of the landforms (Landscape Character) section to more clearly describe the major Rosemont-area landforms: Jagged and irregular ridgetops, steep rocky slopes near the ridge with sinusoidal curves across the face, rolling foothills with finger-like drainages, etc. You might want to review the Golder Associates landforming report for some ideas.
2. In the Environmental Consequences section, we can (and should) include statements about mitigation that is recommended to reduce visual impacts, but not included in DEIS simulations. The biggies here are landforming, planting trees and shrubs, and treating the white pit rock to darken it (with Permeon or equal). Terry suggested that, for landforming, we include verbiage explaining that while the Barrel Only alternative helps to break up the monolithic waste rock and tailings pile somewhat, the landforming concept could go further in order to mimic surrounding topography, restore natural drainage flows, reduce the engineered surface water structures (horizontal benches and drop structures), and design the main drainageway to be more natural (with rock weirs that would slow water and provide better revegetation), and that this would greatly reduce impacts.
3. On the simulations, the disclaimer should state that mitigation measures (landforming, trees, and treating the light-colored pit rock) are not shown. Hint that the simulations show a "worst case" scenario (without using the words "worst case"). And for those simulations where stormwater design was not provided by Tetra Tech (Scholefield? MPO?), but SWCA is showing typical or general structures, the disclaimer should state that final surface water design was not provided by Rosemont. Disclaimers can either be within the text or on the actual simulations; either is fine.
4. Be sure to reference the 2 landforming reports posted on the cooperating agency website (Golder and Schor).

Thanks.

"Marcie Bidwell" <mbidwell@swca.com>



"Marcie Bidwell"  
<mbidwell@swca.com>  
08/03/2010 07:48 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "David Harris"  
<dharris@swca.com>  
cc  
Subject Follow up questions on the outline

Hello Debby,

David is going to work on the outline and may call today with further questions.

Thanks!  
Marcie

**Marcie Demmy Bidwell**

**Environmental Planner**

**130 Rock Point Drive, Suite A**

**Durango, Colorado 81301**

**Office: 970.385.8566**

**Fax: 970.385.1938**

**[www.swca.com](http://www.swca.com)**

Debby Kriegel/R3/USDAFS  
02/22/2010 02:53 PM

To Terry L Austin/R3/USDAFS@FSNOTES,  
mbidwell@swca.com, Walter  
Keyes/R3/USDAFS@FSNOTES  
cc Debby Kriegel/R3/USDAFS@FSNOTES  
bcc

Subject Rosemont Roads and Trails

Attached is the latest map of concern levels for travelways in and around the Santa Ritas.

[attachment "cl\_map\_feb\_2010.pdf" deleted by Debby Kriegel/R3/USDAFS]

Terry: Would you please send this shapefile to Marcie?  
J:\sfiles\office\gisprojects\sup\_off\dkriegel\rosemont\concllev\SantaRitaConcernLevels2010.shp

Marcie: Please be sure you're using this version for SMS analysis.

Walt: This map shows the relative scenery/rec importance of roads and trails in the Santa Ritas. Will you be working on recommendations for reconnecting some of the roads around the project area? Rosemont proposed doing this in the MPO (see section 3-5 and figure 3-7), but the actual locations they show on their maps really don't connect much (Kathy says these maps are conceptual). Each alternative will need some new road segments, and we might also want a post-mine road map of some sort. Let's talk about this when you have a few minutes.

Thanks.



"Marcie Bidwell"  
<mbidwell@swca.com>  
04/20/2009 10:53 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
bcc  
Subject RE: Tailings Siting Study

History:  This message has been replied to.

That timing this afternoon would work great~ currently on a conference call but will be free when you return. How about you call me, as I suspect your time between 3:15 and end of the day~ I will tell the reception to prioritize your call.

Talk soon,  
Marcie

---

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Monday, April 20, 2009 10:17 AM  
**To:** Marcie Bidwell  
**Subject:** RE: Tailings Siting Study

I'm in the office today until 3:15 AZ time (4:15 your time, right?). Call me when you have a few minutes.

Also, any chance you've developed wording for your unfunded scope of work items (i.e., descriptions that could go into the letter to Rosemont)?

"Marcie Bidwell" <mbidwell@swca.com>

04/20/2009 09:13 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
Subject RE: Tailings Siting Study

Debby,

I completely agree with you~ perhaps their digital elevation models will be useful though, for our analysis.....

would you have time this afternoon to talk this over?

---

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Monday, April 20, 2009 9:00 AM  
**To:** Marcie Bidwell

**Cc:** Debby Kriegel  
**Subject:** Fw: Tailings Siting Study

Marcie,

I'd like your thoughts on this study. I briefly looked it over and doubt that it is of much value to us. It isn't clear whether Rosemont used any of the Coronado's Concern Level 1 and 2 travelways for viewshed mapping. In the text they mention "roads and trails" and "recreation sites", but I didn't see any specific information on any of these. Based on the viewshed maps, it appears that they used KOPs in Tucson, but it's unclear what other points they used. The fact that their maps are missing some major visually sensitive places (like the Arizona Trail), and the lack of any descriptions of which roads and trails and rec sites they considered in viewshed mapping makes me believe that this stuff isn't helpful to our work. If you think it's worth trying to find out more about what they used in their model, feel free...but I don't recommend spending a lot of time on this.

It also looks like they only considered locations where they could dump 100% of the tailings in one place. While this is likely the most cost-effective for Rosemont (and possibly makes sense for other reasons), I'd like us to keep our minds open to options. Speaking from a non-mining background, moving a pipeline and dewatering plant once during a 20 year mine operation seems plausible if putting tailings in 2 locations is dramatically better.

As previously discussed, please plan to run the visibility studies yourself using the USFS sensitive travelways.

Thanks!

Debby

----- Forwarded by Debby Kriegel/R3/USDAFS on 04/20/2009 07:09 AM -----

"Tom Furgason"  
<tfurgason@swca.com>

04/17/2009 02:37 PM

To <dkriegel@fs.fed.us>, "Marcie Bidwell" <mbidwell@swca.com>  
cc "Charles Coyle" <ccoyle@swca.com>, "Melissa Reichard" <mreichard@swca.com>,  
"Beverly A Everson" <beverson@fs.fed.us>  
Subjec FW: Tailings Siting Study  
t

Debbie,

Per my message, attached is the tailings study that I mentioned. This may provide some useful information for brainstorming alternatives. The appendix has the digital terrain models that may be useful to consider when determining the KOPs that you would like us to use in the analysis. Have a good weekend.

Tom

**From:** Joggerst, Jamie [mailto:Jamie.Joggerst@tetrattech.com]  
**Sent:** Thursday, April 09, 2009 10:58 AM  
**To:** Tom Furgason  
**Cc:** Kathy Arnold  
**Subject:** Tailings Siting Study

Tom,

Kathy asked me to provided you with the Tailings Siting Study completed in 2006. The document can be found on Rosemont's website (see below). However, we just realized that Tables 3-3 and 3-4 where accidently left out from the document on the website. So the tables are attached.

<http://www.rosemontcopper.com/MPO/4RosemontTailingsSitingStudy.pdf>

Kathy also mentioned that you were looking for a DTM of Sycamore and Schofield Canyon. Does that mean you want topographic contours?

Thanks

**Jamie Joggerst | Geotechnical Engineer**  
Phone: 520-297-7723 | Fax: 520-297-7724 | Cell: 520-820-7775  
jamie.joggerst@tetrattech.com

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Debby Kriegel/R3/USDAFS  
06/03/2009 01:24 PM

To "Marcie Bidwell" <mbidwell@swca.com>  
cc Debby Kriegel/R3/USDAFS@FSNOTES  
bcc  
Subject Re: Analysis Criteria and Bounds of Analysis~

Marcie,

Good start!

See 2 attached documents and my comments on your email below.

Once you're done editing, please email the evaluation criteria to Bev Everson (beverson@fs.fed.us) and ask her to forward it to Kathy Arnold, so Kathy can forward it to David at Tetra Tech and Joy at Sage.

Thanks!!



Issue\_statement\_84\_visual\_impact\_040209.doc



Evaluation\_Criteria\_Working\_Draft\_Kriegel\_Comments.doc

~~~~~  
Debby Kriegel, RLA
Landscape Architect
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8427
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www.fs.fed.us/r3/coronado/
dkriegel@fs.fed.us

"Marcie Bidwell" <mbidwell@swca.com>



"Marcie Bidwell"
<mbidwell@swca.com>
06/03/2009 01:38 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc "Trent Reeder" <treeder@swca.com>, "Charles Coyle"
<ccoyle@swca.com>
Subject Analysis Criteria and Bounds of Analysis~

Debby,

In preparing for both this weeks meeting and making progress while you are on vacation, here are a few things.

<<Evaluation Criteria- working draft.doc>>

1. EVALUATION CRITERIA:

Here is a draft of starting to role the Issue Statements into Analysis Questions into Indicators of Change.

Please feel free to edit a way; its just a stab at it.

2. BOUNDS OF ANALYSIS:

Charles asked that all SWCA and USFS specialists work together to define the following (here are my thoughts). If you agree with this basic outline, I can convert this to a paragraph format quickly. If you would recommend something else, please let me know. Edits are welcomed!

These are his specific requests on bounds:

1. Bounds of analysis: define geographic and temporal parameters of what will be analyzed for visual resources?

- Geographic, will depend on the alternatives and where the viewsheds are in my opinion, but I would say that the bounds would be related to a clear sky view of the Santa Rita Mountains (or project area) on a good air quality day, so would include Tucson, views from 19 and 10, Hwy 83, Sonoita, Sahaurita, etc. 3.1.1
- Scales of Analysis- in our Chapter 3 outline, we had discussed using three: Project Viewshed, Santa Rita Mountains, and Coronado National Forest. Generally, I see these as appropriate to tie them to the distance zones that we are using (1) foreground viewsheds (project area and immediate viewsheds), and (2) middleground (close range, Santa Rita mountain views), and far/background (far Santa Ritas, Coronado, Tucson, etc views). Note that the 3rd level (Coronado National Forest) is not necessarily tied to any specific viewshed or distance zone, but rather an analysis of valued scenic landscapes for residents and tourists to Tucson and southeastern Arizona. It's a critical scale of analysis for cumulative effects.
- Temporal- Dale Ortman proposed that we all consider construction, operation, reclamation, post-closure. But he did not indicate when Construction and operations would break. I think we have discussed the following: (1) Initial Construction is 0-5 years (construction might be less than 5 years...check on this); (2) Operation includes Installation of the reclaimed berm 5-15 years; Reclamation begins at Final form 20 years, and Post Closure, I would argue should be at a reasonable expectation for a reclamation stage at 20, 50 or 100 (?) years.

Marcie Demmy Bidwell
Environmental Planner
515 East College Avenue
Durango, Colorado 81301
Office: 970.385.8566
Fax: 970.385.1938

www.swca.com [attachment "Evaluation Criteria- working draft.doc" deleted by Debby Kriegel/R3/USDAFS]

Issue Statement – Visual Impacts (formerly VRM Direct and Indirect Effects)
Theme #s 84, 85, 88
SWCA: Harmony Hall, Jill Grams

Presence of mine-related facilities, equipment, and vehicles (e.g., ore processing plant, overhead utility lines, tailings, buildings and other structures, roads, fences, drills, loading units, trucks, bulldozers, graders, water pipeline, etc.) from visually sensitive travelways and viewpoints including Scenic Byway SR 83, USFS roads, and USFS trails may directly result in:

- Reduced scenic quality from visually sensitive travelways and viewpoints (e.g., SR 83, USFS roads, USFS trails, residential areas, etc.),
- Displacement of visitors to project site and surrounding area,
- Compromised Scenic Byway SR 83 designation,
- Alteration of valued landscape (form, line, texture, and color) in Rosemont Valley,

and may indirectly result in:

- Increase in visitor use at other locations
- Loss or reduction in tourism revenues associated with visitors to the area and Scenic route SR 83, and
- Reduction in quality of life to local residents.

Ground disturbance, topography alteration, and landscape changes resulting from mining-related activities (clearing, grading, open pit, waste rock dumps, tailings) may directly result in:

- Reduced scenic quality from visually sensitive travelways and viewpoints (e.g., SR 83, USFS roads, USFS trails, residential areas, etc.),
- Displacement of visitors to project site and surrounding area,
- Alteration of valued landscape (form, line, texture, and color) in Rosemont Valley

and may indirectly result in:

- Increase in visitor use at other locations,
- Loss or reduction in tourism revenues associated with visitors to the area and Scenic route SR 83,
- Cumulatively contributing to the loss of natural landscapes (wild places) in the Santa Rita Mountains and across the Coronado National Forest from numerous other sources (other mines, development and urban sprawl, border impacts, utility lines and towers, astrophysical sites, etc.), and
- Reduction in quality of life to local residents.

Reclamation that includes infrastructure removal, land sculpting so waste rock and tailings pile blend with natural landforms, alteration of visible upper pit walls, revegetation of waste rock facilities and site, and other project-related landscape disturbance may directly result in:

- Restored scenic quality from from visually sensitive travelways and viewpoints including Scenic Byway SR 83, USFS roads , and USFS trails, residential areas),

and may indirectly result in:

- Potential reversal of lost revenues associated with tourism, and
- Potential improvement in quality of life to local residents.

DRAFT

Visual Resource Issue #1:

Presence of mine-related equipment and vehicles (e.g., drills, loading units, trucks, bulldozers, graders, buildings, tailings, water pipeline, etc.) on Key Observation Points (KOPs), including Scenic Byway SR 83, USFS Scenic Roads (Box Canyon Road [FR 62], Madera Canyon Road/Madera Nature Trail #88, Mt. Hopkins Road [FR 184] may directly affect visual quality. Use revised issue statement wording (see attached document).
Did you not receive this version?

Analysis Question(s): How will the presence of mine-related equipment and vehicles affect scenic resources? How will these changes affect different viewing populations (e.g. recreation, residents, scenic drivers)? Where will the presence of these activities be visible in the landscape? Good. Move sentence #3 to be the first sentence.

Deleted:

Indicator of Change:

Use the bullet statements from the revised issue statement (the items listed under “may directly result in” and “may indirectly result in”). Start each sentence with “Amount of...” or something similar.

Deleted: <#>Amount of change in human activity, cultural elements and mix of land uses!
 <#>Amount of change in scenic attractiveness and variety of classes to sensitive viewers and important concern areas from changes in activity and cultural elements!
 <#>Amount of change compared to existing scenic integrity and future desired conditions!
 <#>A change in concern levels due to changes in uses, levels of activity, and quality of view corridors!

Visual Resource Issue #2:

Ground disturbance, topography alteration, and landscape changes resulting from mining-related activities (clearing, grading, deposition of fill material, open pit, waste rock dumps, tailings) may directly result in changes to visual quality.

Analysis Question(s): How will scenic quality be affected from multiple KOPs and for different classes of viewers? Consider using the same 3 sentences from issue #1.

Indicator of Change:

- Amount of change in scenic quality from changes to form, line, texture, and color in the Project Area. Keep this. Add to issue #1 too.

Use the bullet statements from the revised issue statement (the items listed under “may directly result in” and “may indirectly result in”). Start each sentence with “Amount of...” or something similar.

Deleted: <#>Amount of change or contrast due to changes in the patterns of vegetation, landform scale and proportion, etc. !
 <#>Amount of change measured in acreage due to ground disturbance within sensitive viewsheds!
 <#>Amount of change in concern levels due to changes in scenic quality from landscape manipulation and activity!

Visual Resource Issue #3:

Reclamation that includes infrastructure removal and revegetation of waste rock facilities and other project-related landscape disturbance may directly result in affects to visual resources. Use revised issue statement wording (see attached document)

Analysis Question(s): How will visual resources be affected by reclamation and revegetation plans? How long will it take before reclamation is successful? What will

define reclamation success? What uses will return to the landscape after reclamation?
Good.

Indicators of Change: Good

- Length of time until revegetation cover is achieved
- Length of time until vegetation diversity is achieved
- Amount of difference between existing vegetation and revegetated landscape
- Amount of contrast from reclaimed land form and surrounding landscape.

USFS Scenic Integrity Objectives- Forest Service Guidance

Table 1 USFS SMS Scenic Integrity Objectives

LANDSCAPE THEME	SCENIC INTEGRITY OBJECTIVE
The landscape is intact, with only minute, if any, deviations. The existing character and sense of place should be expressed at the highest level. Human influence from historic use or management should appear completely natural to the majority of viewers.	Very High
The landscape appears unaltered and intact. Deviations may be present, but should repeat the line, form, color, and textures of the existing landscape character so completely, and at such a scale, that they are not evident.	High
The landscape appears slightly altered. Noticeable changes should remain visually subordinate to the landscape character being viewed.	Moderate
The landscape appears moderately altered. Deviations and changes to the landscape may begin to dominate the landscape character. These changes should borrow valued landscape attributes such as size, shape, edge effects, patterns of natural openings, vegetative type changes, or architectural styles that are outside of the altered landscape.	Low

Source: USFS 2000



"Charles Coyle"
<ccoyle@swca.com>
04/16/2009 09:18 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc "Beverley A Everson" <beverson@fs.fed.us>, "Teresa Ann Ciapusci" <tciapusci@fs.fed.us>, "Reta Laford" <rlafor@fs.fed.us>, "Stephen Leslie" <sleslie@swca.com>, bcc
Subject RE: Rosemont - Wilderness Person with SWCA

Hi Debby,

Sure, it makes sense to have Steve handle both recreation and wilderness. I spoke with him just now and he's fine with it too.

Thanks~

Charles

-----Original Message-----

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Thursday, April 16, 2009 8:55 AM
To: Tom Furgason; Beverley A Everson; Charles Coyle
Subject: Rosemont - Wilderness Person with SWCA

I understand that the issue statements for Recreation and Wilderness may be combined. This is probably ok, since there is some overlap between the two topics.

I can't remember whether there is an SWCA person designated to work on the wilderness analysis yet. Please refresh my memory if I'm simply spacing this info.

Steve Leslie is currently assigned as the recreation specialist. This morning he told me that he has good experience with Wilderness (he was a wilderness planner with a BLM unit that managed 22 wildernesses). I suggest that he be designated the SWCA person to deal with both topics.

Is this possible?

Debby Kriegel/R3/USDAFS
07/23/2010 02:32 PM

To mbidwell@swca.com, tfurgason@swca.com
cc Debby Kriegel/R3/USDAFS@FSNOTES
bcc
Subject Visual Analysis Presentation to Rosemont Today

Marcie,

Thanks for providing the graphic files for today. I presented everything to Rosemont and it went well.

I wanted to forward a couple of comments from Rosemont for your use:

1. Kathy commented that in the simulations (we were looking at the view from the Sonoita KOP when she said this), the upper pit looks a little like it's in front of the mountain instead of cut into the mountain. She asked that you verify that the pit is shown correctly. Please consider this comment and determine whether you know of something that might help, but don't spend lots of time on it.
2. Jamie commented that the color of the light-colored rock in the upper pit should look different depending on how close or far away you are (i.e., KOP 1 would be a slightly different color than the KOP near Sonoita). He suggested that someone visit the existing marble quarry on the other side of the Santa Rita Mountains (the scar you can see from Tucson) and take a photos at various distances to compare the color. If Tom can provide someone to do this, I agree that it would help defend the color choices.

Tom:

You mentioned that you can provide someone in the Tucson office to help Marcie when needed. Do you have someone available to follow up on item #2? Perhaps Marcie can provide more direction, but I'd recommend taking photos on a sunny day around noon at 2-3 miles away, ~5 miles away, and ~10 miles away.

Debby Kriegel, RLA
Landscape Architect
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8427
Fax (520) 388-8305
www.fs.fed.us/r3/coronado/
dkriegel@fs.fed.us



"Marcie Bidwell"
<mbidwell@swca.com>
04/13/2010 11:23 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc
bcc

Subject RE: Rosemont Data Gaps

History:

↩ This message has been replied to.

Debby,

I have some edits in your letter, but want to discuss a few things with you.

Did you receive a copy of this narrative from Tt regarding stormwater by alternative?

This is from over a month ago, but it had no maps or details attached. Seems like it should be included in your comments some how.

Calling to discuss,
Marcie

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Friday, April 09, 2010 8:27 AM
To: Marcie Bidwell
Subject: Rosemont Data Gaps

Marcie,

Please review this ASAP. Did I correctly describe what you still need? Other comments? Thanks!

~~~~~  
Debby Kriegel



(520) 388-8427 RCC\_Alts - Prelim SW Control and Rec Summary 2010-03-09.pdf



**TETRA TECH**

Tucson Office  
3031 West Ina Road  
Tucson, AZ 85741  
Tel 520.297.7723 Fax 520.297.7724  
www.tetrattech.com

## Transmittal Letter

|                                                                                                      |                                  |
|------------------------------------------------------------------------------------------------------|----------------------------------|
| <b>To:</b> Kathy Arnold                                                                              | <b>From:</b> David Krizek        |
| <b>Company:</b> Rosemont Copper Company                                                              | <b>Date:</b> March 9, 2010       |
| <b>Re:</b> Alternatives Analysis – Preliminary Stormwater Control and Reclamation Sequencing Summary | <b>Project #:</b> 114-320871-3.1 |
| <b>CC:</b> Marcie Bidwell (SWCA)                                                                     | <b>Doc. #:</b> 070/10-320871-3.1 |

Please Find Enclosed:

|   |                |                                                                                                                    |
|---|----------------|--------------------------------------------------------------------------------------------------------------------|
| 1 | <i>copy of</i> | Alternatives Analysis – Preliminary Stormwater Control and Reclamation Sequencing Summary in Microsoft Word Format |
| 1 | <i>copy of</i> | Alternatives Analysis – Preliminary Stormwater Control and Reclamation Sequencing Summary in Adobe Acrobat Format  |
|   |                |                                                                                                                    |
|   |                |                                                                                                                    |

Comments:

This information is preliminary and provided for use in alternative visual analysis associated with the Rosemont Copper Project.

Ship Via:

- FedEx:  Priority  Standard  2-day Economy  Ground
- UPS:  Standard  2<sup>nd</sup> Day  Overnight
- USPS Mail:  Regular  Priority  Certified
- Other: Email Delivery by Tetra Tech

## **Barrel and McCleary Alternative Stormwater Control and Reclamation Sequencing**

### **Stormwater Control**

For the Barrel and McCleary Alternative, it was assumed that the following stormwater controls would be applied:

- Stormwater drainage channels would be placed at every 100 feet of vertical rise (on approximate 50 foot wide drainage benches) on the outer slopes of the Dry Stack Tailings Facility. Stormwater would flow off these benches to stilling pools/drop-structures, located on the outer slopes of the tailings area, to natural ground, or to stormwater control basins located on wide benches in the Waste Rock Storage Area. Drop-structures located on the west side of the Dry Stack Tailings Facility would drain to the USGS Gauging Station located near SR 83.
- Drop-structures would be located on the north and west sides of the landform that comprises the Barrel and McCleary Alternative. These drop-structures would convey runoff to flow-through drains. The flow-through drains are large rock drains intended to provide a hydraulic connection between the up-gradient side of the landform and the down-gradient side.
- Stormwater control basins would be constructed on wide benches in the Waste Rock Storage Area to contain up to the 500-year, 24-hour storm event. Stormwater generated from flows in excess of the 500-year, 24-hour storm event would be routed to containment areas located between the toe of the Waste Rock Storage Area and adjacent natural ridge areas. These areas would generally be sized to contain the Probable Maximum Precipitation (PMP) event. Stormwater routing to these perimeter containment areas would be via rocked slopes connecting the benches to the perimeter areas.
- Decant structures would be installed on top of the North Dry Stack Tailings Facility to pass stormwater to stilling pools/drop-structures for flows in excess of the 500-year, 24-hour storm event. Storm flows less than this event would be retained on top of the facility in large, depressed areas.
- Storm flows in excess of the 500-year, 24-hour storm event generated on top of the South Dry Stack Tailings would be routed to a flow-through drain located on the west side of the landform comprising the Barrel and McCleary Alternative.
- The majority of the AMEC Earth & Environmental, Inc. (AMEC) Diversion Channel, located to the north and west of the Open Pit, discharges stormwater to flow-through drains located on the west and north sides of the landform.
- The Pit Diversion, located to the south of the Open Pit, is expected to discharge to an area located between the toe of the Waste Rock Storage Area and an adjacent natural ridge and will not drain to the USGS Gauging Station.

Drainage benches (about 50 feet wide) would also be placed on a small portion of the Waste Rock Storage Area adjacent to the closed and encapsulated Heap Leach Facility. These drainage benches would be similar to those planned for the outer surface of the Dry Stack Tailings Facility. Runoff from these benches would be to the up-gradient side (west side) of the landform.

Stormwater control basins located in the Waste Rock Storage Area would not be located above the closed and encapsulated Heap Leach Facility.

### **Reclamation Sequencing – Year 10**

Concurrent reclamation of the east slope of the South Dry Stack Tailings Facility is anticipated to occur. Reclamation of the north face of the South Dry Stack Tailing Facility is not anticipated to occur since this is an interim face and will eventually be covered by the North Dry Stack Tailings Facility. Haul road(s) will likely be on this face until covered by the north dry stack. A haul road will also be located on the west side of the South Dry Stack Tailings Facility, allowing for only partial concurrent reclamation of this side, as practical.

Concurrent reclamation of the eastern most face of the Waste Rock Storage Area is anticipated along with south/southeast/southwest facing slopes.

### **Reclamation Sequencing – Ultimate Year**

Concurrent reclamation of the east slope of the South Dry Stack Tailings Facility slope along with the east slope of the North Dry Stack Tailings Facility is anticipated to occur. A haul road is anticipated on the north face of the North Dry Stack Tailings Facility, allowing for only partial concurrent reclamation to occur, as practical. This haul road will also be on the east side of the South and North Dry Stack Tailings Facilities, again allowing for only partial concurrent reclamation to occur, as practical.

Concurrent reclamation of the eastern most face of the Waste Rock Storage Area is anticipated along with south/southeast/southwest facing slopes.

Areas not reclaimed during operations will be reclaimed at closure. A haul road(s) will likely be left on the west face of the North and South Dry Stack Tailings Facilities and on the north face of the North Dry Stack Tailings Facility.

## **Barrel Only Alternative Stormwater Control and Reclamation Sequencing**

### **Stormwater Control**

For the Barrel Only Alternative, it was assumed that the following stormwater controls would be applied:

- Stormwater drainage channels would be placed at every 100 feet of vertical rise (on approximate 50 foot wide drainage benches) on the outer slopes of the Dry Stack Tailings Facility. Stormwater would flow off these benches to stilling pools/drop-structures, located on the outer slopes of the tailings area, to natural ground, or to rock slopes adjacent to the Waste Rock Storage Area. Drop-structures located on the west side of the Dry Stack Tailings Facility would drain to the USGS Gauging Station near SR 83. Drop-structures would also be located on the west side of the landform that comprises the Barrel Only Alternative. These drop-structures would convey flows to flow-through drains. The flow-through drains are large rock drains intended to provide a hydraulic connection between the up-gradient side of the landform and the down-gradient side.
- Stormwater control basins would be constructed on wide benches in the Waste Rock Storage Area to contain up to the 500-year, 24-hour storm event. Stormwater generated from flows in excess of the 500-year, 24-hour storm event would generally be routed to containment areas located between the toe of the Waste Rock Storage Area and adjacent natural ridge areas. These areas would generally be sized to contain the Probable Maximum Precipitation (PMP) event. Stormwater routing to these perimeter containment areas would be via rocked slopes connecting the benches to the perimeter areas.
- Decant structures would be installed on top of the Dry Stack Tailings Facility to pass stormwater to stilling pools/drop-structures for flows in excess of the 500-year, 24-hour storm event. Storm flows less than this event would be retained on top of the facility in large, depressed areas.
- Construction of a portion of the AMEC Earth & Environment, Inc. (AMEC) diversion channel is assumed. This diversion channel routes stormwater runoff around the Plant Site area to McCleary Canyon Wash drainage, which eventually drains to the USGS Gauging Station location.
- The Pit Diversion, located to the south of the Open Pit, is expected to discharge to an area located between the toe of the Waste Rock Storage Area and an adjacent natural ridge and will not drain to the USGS Gauging Station.

Drainage benches (about 50 feet wide) would also be required on a small portion of the Waste Rock Storage Area adjacent to the closed and encapsulated Heap Leach Facility. These drainage benches would be similar to those planned for the outer surface of the Dry Stack Tailings Facility. Runoff from these benches would be to the up-gradient side (west side) of the landform.

Stormwater control basins located in the Waste Rock Storage Area would not be located above the closed and encapsulated Heap Leach Facility.

**Reclamation Sequencing – Year 10**

Concurrent reclamation of the east slope of the Dry Stack Tailings Facility is anticipated to occur. A haul road is anticipated on the north face of the Dry Stack Tailings facility, allowing for only partial concurrent reclamation to occur, as practical. This haul road will also be on the east side of the Dry Stack Tailings Facility, again allowing for only partial concurrent reclamation to occur, as practical.

Concurrent reclamation of the eastern most face of the Waste Rock Storage Area is anticipated along with south/southeast/southwest facing slopes.

**Reclamation Sequencing – Ultimate Year**

Concurrent reclamation of the east slope of the Dry Stack Tailings Facility is anticipated to occur. A haul road is anticipated on the north face of the Dry Stack Tailings facility, allowing for only partial concurrent reclamation to occur, as practical. This haul road will also be on the east side of the Dry Stack Tailings Facility, again allowing for only partial concurrent reclamation to occur, as practical.

Concurrent reclamation of the eastern most face of the Waste Rock Storage Area is anticipated along with south/southeast/southwest facing slopes.

Areas not reclaimed during operations will be reclaimed at closure. A haul road will likely be left on the west and north faces of the Dry Stack Tailings Facility.

## **Mine Plan of Operations (MPO) Stormwater Control and Reclamation Sequencing**

### **Stormwater Control**

Design work associated with the Rosemont Project has been ongoing since submittal of the Reclamation and Closure Plan (Tetra Tech, 2007). Based this updated design work, the stormwater controls described below were applied to the 2007 MPO Landform for this alternatives assessment:

- Stormwater drainage channels (on approximate 50 foot wide drainage benches) would be placed at every 100-foot vertical rise on the outer slopes of the Dry Stack Tailings Facility. Stormwater would flow off these benches to stilling pools/drop-structures located on the outer slopes of the tailings area, to natural ground, or to stormwater-control basins located on wide benches in the Waste Rock Storage Area;
- Drop-structures located on the west side of the Dry Stack Tailings Facility would drain to the USGS Gauging Station location located near SR 83. Drop-structures would also be located on the north and west sides of the 2007 MPO Landform. Flows emanating from these drop-structures would drain to a Central Drain or to stormwater ponding areas located between the toe of the North Dry Stack Tailings Facility and adjacent, natural ridge areas;
- The Central Drain, or flow-through drain, is a large rock drain intended to provide a hydraulic connection between the up-gradient side of the 2007 MPO Landform and the down-gradient side;
- An Infiltration Drain was incorporated into the 2007 MPO Landform that is hydraulically connected to the Central Drain. For the purposes of this stormwater alternatives assessment, the Infiltration Drain is assumed to pass storm events larger than the 500-year, 24-hour storm event off the top surface while smaller events are retained on the top surface in large, depressed areas;
- Stormwater control basins would be constructed on wide benches in the Waste Rock Storage Area to contain up to the 500-year, 24-hour storm event. Stormwater generated from flows in excess of the 500-year, 24-hour storm event would be routed to containment areas located between the toe of the Waste Rock Storage Area and adjacent, natural ridge areas. These areas would generally be sized to contain the Probable Maximum Precipitation (PMP) event. Stormwater routing to these perimeter containment areas would be via rocked slopes connecting the benches to the perimeter areas.

### **Reclamation Sequencing – Year 10**

Concurrent reclamation of the east and north slopes of the North Dry Stack Tailings Facility is anticipated to occur along with the east buttress associated with the South Dry Stack Tailings Facility. A haul road is anticipated on the west side of the North Dry Stack Tailings, allowing for only partial concurrent reclamation, as practical.

Concurrent reclamation of the east face of the Waste Rock Storage Area is anticipated along with south/southeast/southwest facing slopes.

**Reclamation Sequencing – Ultimate Year**

Concurrent reclamation of the east, north, and west slopes of the North Dry Stack Tailings Facility is assumed completed by the end of Year 10.

Concurrent reclamation of the east face of the South Dry Stack Tailings Facility is anticipated between Year 10 and the Ultimate Year. A haul road is anticipated on the west side of the South Dry Stack Tailings, allowing for only partial concurrent reclamation, as practical.

Concurrent reclamation of the east face of the Waste Rock Storage Area is anticipated along with south/southeast/southwest facing slopes.

Areas not reclaimed during operations will be reclaimed at closure. A haul road(s) will likely be left on the west face of the North and South Dry Stack Tailings Facilities.

## **Scholefield Tailings and McCleary Waste Alternative Stormwater Control and Reclamation Sequencing**

### **Stormwater Control**

For the Scholefield Tailings and McCleary Waste Alternative, it was assumed that the following stormwater controls would be applied:

- Stormwater drainage benches (on approximate 50 foot wide drainage benches) would be placed at every 100 feet of vertical rise on the outer slopes of the Dry Stack Tailings Facility. Stormwater would flow off these benches to stilling pools/drop-structures, located on the outer slopes of the tailings area, to natural ground, or to drainage benches located on the face of the Waste Rock Storage Area. Stormwater flow from these drainage benches would drain to the USGS Gauging Station located near SR 83.
- Stormwater drainage benches would be placed at every 100 feet of vertical rise on the outer slopes of the Waste Rock Storage Area, also on 50 foot wide benches. Stormwater would flow off these benches to stilling pools/drop-structures on the outer slopes of the Waste Rock Storage Area, or to natural ground. Stormwater flow from these drainage benches would drain to the USGS Gauging Station. Due to the configuration of the Waste Rock Storage Area, contouring and the creation of wide benches to pond stormwater runoff may not be achievable under this alternative
- Decant structures would be installed on top of the Dry Stack Tailings Facility to pass stormwater to stilling pools/drop-structures, or to natural ground, for flows in excess of the 500-year, 24-hour storm event. Storm flows less than this event would be retained on top of the Dry Stack Tailings Facility in large, depressed areas.
- Decant structures would be installed on top of the Waste Rock Storage Area to pass stormwater to stilling pools/drop-structures, or to natural ground, for flows in excess of the 500-year, 24-hour storm event. Storm flows less than this event would be retained on top of the Waste Rock Storage Area in large, depressed areas.
- Stormwater flows off the west face of the Waste Rock Storage Area would likely be conveyed to a flow-through drain. The flow-through drain is a large rock drain intended to provide a hydraulic connection between the up-gradient side of the Waste Rock Storage Area and the down-gradient side.
- Construction of a portion of the AMEC Earth & Environment, Inc. (AMEC) diversion channel is assumed. This diversion channel would be revised to route stormwater runoff around the Plant Site and draining into Barrel Canyon and to the USGS Gauging Station.
- The Pit Diversion, located to the south of the Open Pit, is expected to discharge to the upper reach of the Barrel Canyon Basin, eventually draining to the USGS Gauging Station.

Additional waste rock will likely be placed over the Heap Leach Facility to achieve closure. The Scholefield Tailings and McCleary Waste Alternative currently does not show a waste rock cap over the heap. Waste rock would be placed to achieve a minimum cover thickness over the heap surface and to achieve 3H:1V reclamation side slopes. Capping the heap with waste rock is not expected to reduce storm flows to the USGS Gauging Station.

As indicated above, creating wide areas and contouring of the benches of the Waste Rock Storage Area is likely not possible. Additionally, haul road access to the Dry Stack Tailings Facility, and to the Waste Rock Storage Facility, would likely be on the south face of the Waste Rock Storage Area. Concurrent reclamation of these access road areas may not be achievable until area-wide closure and reclamation.

### **Reclamation Sequencing – Year 10**

Concurrent reclamation of the east slope of the Dry Stack Tailings is anticipated to occur. Access to the tailings face will come from the south (from the Waste Rock Storage Area) and will move up the face as buttress construction advances.

Haul road access may be required on a portion of the south face of the Waste Rock Storage Facility, allowing for only partial concurrent reclamation, as practical. Concurrent reclamation of the west face of the Waste Rock Storage Area is anticipated.

The Heap Leach Pad is free standing and is expected to be closed after Y10.

### **Reclamation Sequencing – Ultimate Year**

Concurrent reclamation of the east slope of the Dry Stack Tailings is anticipated to occur. Access to the tailings face will come from the south (from the Waste Rock Storage Area) and will move up the face as buttress construction advances. Concurrent reclamation of the northwest face of the Dry Stack Tailings Facility is also anticipated to occur as the buttress advances upward.

Haul road access may be required on a portion of the south face of the Waste Rock Storage Facility, allowing for only partial concurrent reclamation, as practical. Concurrent reclamation of the west face of the Waste Rock Storage Area is anticipated.

Areas not reclaimed during operations will be reclaimed at closure. A haul road will likely be left on the south face of the Waste Rock Storage Area.

Capping of the closed heap is not shown but is likely to occur.

## **Sycamore Tailings and Barrel Waste Alternative - East Side – Waste Rock Storage Area – Stormwater Control and Reclamation Sequencing**

### **Stormwater Control**

Figure 2 shows the estimated eastern boundary of the post-mining contributing watershed area associated with the Sycamore Tailings and Barrel Waste Alternative. For this alternative, it was assumed that the following stormwater controls would be applied:

- Stormwater drainage channels would be placed at every 100 feet of vertical rise on the outer slopes of the Waste Rock Storage Area. Stormwater would flow off these benches to stilling pools/drop-structures located on the outer slopes. Drop-structures located on the northern half and a portion of the western half of the Waste Rock Storage Area would convey flows to the USGS Gauging Station location. Drop-structures would also be placed on the southern half of the Waste Rock Storage Area.
- Stormwater runoff generated from the southern face would be routed to containment areas located between the toe of the Waste Rock Storage Area and adjacent natural ridge areas. These areas would generally be sized to contain the Probable Maximum Flood (PMF) event. Due to the configuration of the Waste Rock Storage Area, contouring and the creation of wide benches to pond stormwater runoff may not be achievable under this alternative.
- Stormwater runoff generated from the top surface of the Waste Rock Storage Area would be routed to stormwater control basins located on the southern edge of the facility. Decant structures would then pass overflow to stilling pools/drop-structures located on the south face. Stormwater control basins would not be located above the closed and encapsulated Heap Leach Facility.
- Construction of a portion of the AMEC Earth & Environment, Inc. (AMEC) diversion channel is assumed. This diversion routes stormwater runoff around the Plant Site area to McCleary Canyon Wash drainage, which eventually drains to the USGS Gauging Station.
- The Pit Diversion, located to the south of the Open Pit, is expected to discharge to an area located between the toe of the Waste Rock Storage Area and an adjacent natural ridge and will not drain to the USGS Gauging Station.

There are no flow-through drains associated with the Waste Rock Storage Area under the final closure configuration.

### **Reclamation Sequencing – Year 10**

Concurrent reclamation of the south and southeast faces of the Waste Rock Storage Area is anticipated. Concurrent reclamation of the north side of the Waste Rock Storage Area is not anticipated due to operation of the Heap Leach Facility. A haul road may be required on the southwest face of the Waste rock Storage Area, allowing for only partial concurrent reclamation, as practical.

**Reclamation Sequencing – Ultimate Year**

Concurrent reclamation of the south and southeast faces of the Waste Rock Storage Area is anticipated. Concurrent reclamation of the north side of the Waste Rock Storage Area will begin once the Heap Leach Facility is closed in Year 10. A haul road may be required on the southwest face of the Waste Rock Storage Area, allowing for only partial concurrent reclamation, as practical.

## **Sycamore Tailings and Barrel Waste Alternative – West Side – Sycamore Tailings – Stormwater Control and Reclamation Sequencing**

### **Stormwater Control**

For Sycamore Tailings, it was assumed that the following stormwater controls would be applied:

- Stormwater drainage channels would be placed at every 100 feet of vertical rise on the outer slopes of the Dry Stack Tailings Facility. Stormwater would flow off these benches to natural ground and drain to the Stormwater Convergence Point.
- Storms up the 500 year, 24-hour storm event would be retained on top of the Dry Stack Tailings Facility in large, depressed areas. Storm runoff in excess of this event would be routed to side channels cut into natural ground.

There are no flow-through drains associated with Sycamore Tailings under the final closure configuration.

### **Reclamation Sequencing – Year 10**

Concurrent reclamation of the west slope of the Dry Stack Tailings is anticipated to occur since access to the face will move up the face as buttress construction advances.

### **Reclamation Sequencing – Ultimate Year**

Concurrent reclamation of the west slope of the Dry Stack Tailings is anticipated to occur since access to the face will move up the face as buttress construction advances.

Areas not reclaimed during operations will be reclaimed at closure.



"Marcie Bidwell"  
<mbidwell@swca.com>  
01/22/2010 12:55 PM

To "Krizek, David" <David.Krizek@tetrattech.com>  
cc "Keepers, Ashley" <Ashley.Keepers@tetrattech.com>, "Trent Reeder" <treeder@swca.com>, <karnold@rosemontcopper.com>, "Tom Furgason"  
bcc  
Subject RE: Tetra Tech Viewshed and KOPS - previous analysis - descriptions

David,

I spoke with Debby regarding KOPs and the other information pieces. I am working on typing up the notes, but wanted to give you the most important pieces quickly, which will save you some time.

Most importantly, Debby was very interested to hear of the larger scope for Tetra Tech for all alternatives, and wants to schedule a meeting to finalize the details. She is supportive of Tetra Tech and Sage providing further materials and data, but wants to make sure that all of the effort is necessary prior to finished products arriving for approval. There may be opportunities for cost savings, and some of them are listed below. She will be requesting a face-to-face meeting for next week (hopefully Friday will work for everyone).

**FYI- IN TUCSON NEXT WEEK:** I am tentatively planning a trip to Tucson for next Thursday- Friday and I will be available for meetings on those days.

**1. KOP Consolidation-** She was appreciative and understanding of the desire to have one list. She was very comfortable with consolidating KOPs as proposed in principle, and I am checking a few details (i.e. exact location of TT photography) to see if it will work for the USFS as new KOPs (USFS- Box Canyon and Mt. Wrightson) and I am doing some research for decision on the USFS decision on AZ Trail. All other KOPs seem fine. The three in question are also probably fine, but I am checking the details to be sure.

**2. Legal Concern regarding Hilton Road KOP and sharing it:** As the USFS is just supplying the gps for this point, Debby was comfortable with TT using it for viewshed analysis. You can proceed with this KOP.

**3. How many Viewshed Analysis- all KOPs or less?** With an appreciation for the amount of work that is involved (and associated costs), we discussed if viewsheds were necessary for all of the KOPs that are on the "short list" (the consolidated 8). Debby is comfortable with only doing viewshed analyses for less than all 8. For the purposes of the USFS and their methods, the KOPs within the USFS "middleground" or closer to the project area are the most important (basically within 5 miles), so the list could be shortened. I am working on that list, but you can count on KOP 1-3, 7 and 8 remaining on the list. Mt. Wrightson is definitely off of the list.

**4. Presentation of KOPs Viewshed Analysis-** We decided that the best way to present the viewshed analysis is to have the final product to be **one final map that adds all of the KOP results together**. That reduces the maps to (1) per alternative, a total of 6 maps + No Action= 7 maps total (which is better than 48). However, they will need to be in color to work in this format. I will send directions in a separate email.

I think that the most important pieces for now. More to follow this afternoon,  
Thank you again for the data and we hope to have our data on line for you by Monday (our office is closed due to winter storm)

Marcie

**From:** Krizek, David [mailto:David.Krizek@tetrattech.com]  
**Sent:** Friday, January 22, 2010 9:38 AM  
**To:** Marcie Bidwell  
**Cc:** Keepers, Ashley; Trent Reeder  
**Subject:** RE: Tetra Tech Viewshed and KOPS - previous analysis - descriptions

Marcie,

Would it also be possible to present the viewshed analyses in black and white to reduce copy charges?

It was a question from RCC.

Sincerely,

**David Krizek | Principal**  
Main: 520-297-7723 | Mobile: 520-260-3490 | Fax: 520-297-7724

*Tetra Tech*  
3031 West Ina Road | Tucson, AZ 85741 | [www.tetrattech.com](http://www.tetrattech.com)

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**From:** Marcie Bidwell [mailto:mbidwell@swca.com]  
**Sent:** Friday, January 22, 2010 9:33 AM  
**To:** Krizek, David  
**Cc:** Keepers, Ashley; Trent Reeder  
**Subject:** RE: Tetra Tech Viewshed and KOPS - previous analysis - descriptions

Thanks!

It may be Monday before all of our stuff is uploaded. Our office is closed today due to snow and our GIS team need to be on the server to upload stuff. It may happen over the weekend.

I am talking to Debby today regarding the viewshed presentation questions. I should have answers for you later.

Marcie

**From:** Krizek, David [mailto:David.Krizek@tetrattech.com]  
**Sent:** Friday, January 22, 2010 9:31 AM  
**To:** Marcie Bidwell  
**Cc:** Keepers, Ashley; Trent Reeder  
**Subject:** Tetra Tech Viewshed and KOPS - previous analysis - descriptions  
Marcie,

I have loaded to the ftp site the photos for the KOPs and other information related to KOP selection, etc. I also included the viewshed analysis that we did previously (pdf versions).

Sincerely,

**David Krizek | Principal**

Main: 520-297-7723 | Mobile: 520-260-3490 | Fax: 520-297-7724

*Tetra Tech*

3031 West Ina Road | Tucson, AZ 85741 | [www.tetrattech.com](http://www.tetrattech.com)

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"Stephen Leslie"  
<sleslie@swca.com>  
07/19/2010 08:28 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc "Jonathan Rigg" <jrigg@swca.com>, "Lara Mitchell"  
<lmitchell@swca.com>, "Tom Furgason"  
<tfurgason@swca.com>  
bcc  
Subject RE: FW: AZ trail alignment

Debby

I interpreted Marcie's email that the alignment of the Arizona trail has been moved unrelated to any alternative. I may have misinterpreted that based on your email below - it sounds like the new alignment is just a mitigation for the Barrel Only Alternative.

Can we confirm this so that Lara has correct information for the maps?

Thanks,  
Steve

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Monday, July 19, 2010 8:19 AM  
**To:** Stephen Leslie  
**Cc:** Jonathan Rigg; Lara Mitchell; Tom Furgason  
**Subject:** Re: FW: AZ trail alignment

I think that the idea of moving the trail east of Hwy 83 is only needed for the Barrel Only alternative, but please correct me if I'm wrong.

"Stephen Leslie"  
<sleslie@swca.com>

07/19/2010 07:59 AM

To "Lara Mitchell" <lmitchell@swca.com>  
cc "Tom Furgason" <tfurgason@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Debby  
Kriegel" <dkriegel@fs.fed.us>  
SubjectFW: AZ trail alignment

Lara,

Can you please revise the recreation maps showing the Arizona Trail using the new alignment referred to in Marcie's email below? I'll also need the miles of trail impacted by alternative redone - unless it

doesn't overlap at all anymore.

Thanks,  
Steve

-----Original Message-----

From: Marcie Bidwell  
Sent: Saturday, July 17, 2010 1:05 PM  
To: Stephen Leslie; lmitchel@swca.com; Trent Reeder  
Subject: AZ trail alignment

Hello all,

I juist wanted to mention that the \_USFS mentioned that there is a new alignment for the AZ trail that moves it to the east of the highway (new in thje last three weeks. The layer is in the data that Trent sved for Tucson.

Also, the Scholefield haul road was created on Friday and included in the data set as well.

Finally, Trent will be sending transmission data from EPG on the ftp site for Tt. Perimeter roads will be drawn next week, as lines, and will not have engineering associated with them ( no grading) for the DEIS.

Let Trent know if you have data questions.

Thx,  
Marcie

Sent from my BlackBerry Smartphone provided by Alltel



"Marcie Bidwell"  
<[mbidwell@swca.com](mailto:mbidwell@swca.com)>  
04/19/2010 08:51 AM

To "Terry L Austin" <[tlaustin@fs.fed.us](mailto:tlaustin@fs.fed.us)>, "Debby Kriegel"  
<[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>  
cc "Michael Andres" <[mandres@swca.com](mailto:mandres@swca.com)>  
bcc

Subject GIS questions for Rosemont Data

Hello Terry!

Its been a long time since we exchanged emails regarding data~ I wanted to introduce our GIS person, Mike Andres, who will be either emailing or calling you to discuss the attribute definitions for the Concern Levels for the routes in the Rosemont project area (Santa Rita EMA).

There are just a few labels that we want to make sure we are interpreting correctly.

Thanks!~  
Marcie

Marcie Demmy Bidwell  
Environmental Planner  
130 Rock Point Drive, Suite A  
Durango, Colorado 81301  
Office: 970.385.8566  
Fax: 970.385.1938  
[www.swca.com](http://www.swca.com)

Debby Kriegel/R3/USDAFS  
07/28/2010 12:18 PM

To "Trent Reeder" <treeder@swca.com>  
cc mbidwell@swca.com, Debby  
Kriegel/R3/USDAFS@FSNOTES  
bcc  
Subject RE: Coronado Forest Service Boundary 

The forest boundary here looks fine. Most (all?) of my other comments still apply (see earlier message).

This is a new map that I had not seen until just now. Comments on this one:

1. The 2 trailheads shown on this map and others are OHV trailheads (not hiking trails). I recommend that you use a different symbol (not a hiker), and correct the legend to read "OHV trailhead".
2. Concern levels are shown in the legend but not on the map. There is no need to show CLs on this map.
3. Delete "Scenic/Sightseeing Route" text in legend.
4. In the legend, change "Scenic Integrity Observed" to "Existing Scenic Integrity".
5. Add Patagonia to the map.

Thanks!

"Trent Reeder" <treeder@swca.com>



"Trent Reeder"  
<treeder@swca.com>  
07/28/2010 12:03 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
Subject RE: Coronado Forest Service Boundary

Here's what we are using for the boundary. The map that you have is an older map using the landownership layer to delineate the FS boundary. That boundary is not being used anymore.

Trent

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Wednesday, July 28, 2010 12:46 PM  
**To:** Trent Reeder  
**Subject:** Re: Coronado Forest Service Boundary

See attached areas with thick black lines

"Trent Reeder" <treeder@swca.com>

07/28/2010 11:32 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Marcie Bidwell" <mbidwell@swca.com>  
cc "Tom Furgason" <tfurgason@swca.com>, "Jonathan Rigg" <jrigg@swca.com>  
Subject Coronado Forest Service Boundary

Hi Debby,

I have been comparing a number of different data sets depicting the Coronado NF boundary and the Santa Rita area and they all look the same to me. I download the Coronado Administrative Boundary GIS layer from the Coronado USFS website a few days ago which depicted the same boundary that Lara from the SWCA Tucson office sent me to compare with. Then today, I placed Terry's Santa Rita GIS layer over my two Coronado layers showing the Santa Rita area, and they all depict the same boundary.

Please let me know if you have any questions.

Trent Reeder  
GIS Specialist  
SWCA Environmental Consultants  
[treeder@swca.com](mailto:treeder@swca.com)  
130 Rock Point Dr. Suite A  
Durango, Colorado 81303  
Work (970) 385-8566  
Fax (970) 385-1938  
[www.swca.com](http://www.swca.com)

[attachment "11204\_SIO\_USFS.pdf" deleted by Debby Kriegel/R3/USDAFS]

Debby Kriegel/R3/USDAFS  
12/12/2008 09:04 AM

To "Marcie Bidwell" <mbidwell@swca.com>  
cc "Tom Furgason" <tfurgason@swca.com>, Debby  
Kriegel/R3/USDAFS@FSNOTES, Beverley A  
Everson/R3/USDAFS@FSNOTES  
bcc  
Subject Re: Visual Proposal 

Marcie,

Good start. Some specific items in my 11/5 email to you aren't included, but that's probably ok...we can use both documents as guidance. And you've used some terms that I'm not familiar with such as "restoration indicators" and "setting indicators", but we can discuss that later.

I have a few immediate recommendations (and some questions):

1. Add a schedule for each task that ties to the Rosemont project schedule. Include as many dates for your work as possible: trips to Tucson, proposed meeting dates, deliverables, reviews, etc.
2. Does task 2 include researching other mining operations and reclamation? Roger Congdon (FS hydrogeologist on the team) mentioned that he knows of some great examples of waste rock reshaping and award-winning reclamation at BLM mines near Elko Nevada. I suggest that we plan a trip there (probably in January).
3. I don't see many of the written items that will need to be provided for the EIS listed in your tasks: issue statements, affected environment, environmental consequences, and cumulative effects. Please mention each of these in the appropriate task.
4. Do the hours on task 6 include more than your time and expenses? Won't you need a GIS/computer simulation expert to help with 3D modeling and create simulations for the final EIS? Are you certain that a topo model won't be helpful or necessary?
5. Where do I fit in? Are there some portions of any of the tasks that you need me to work on, or will I mostly be reviewing your work?
6. Go ahead and draft a similar proposal and schedule for the recreation analysis. Think about whether some of the recreation tasks can be coordinated with your visual resource work (like site visits). I'm attaching a 1/2 page document with some quick thoughts and some draft issue statements from our meeting this week.

Give me a call if you'd like to discuss any of this.

Thanks!

Debby



RosemontRecreationIssues.doc

"Marcie Bidwell" <mbidwell@swca.com>



"Marcie Bidwell"  
<mbidwell@swca.com>  
12/10/2008 08:34 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Tom Furgason"  
<tfurgason@swca.com>  
cc  
Subject Visual Proposal

Debbie,

Here is what I am thinking as a start for you to review and throw your ideas in on.

There are probably errors in here (spelling, etc) but it starts to put the pieces together.

Lets discuss!

Marcie <<Visual Proposal 2008-12-09.pdf>>

Marcie Demmy Bidwell  
Environmental Planner  
515 East College Avenue  
Durango, Colorado 81301  
Office: 970.385.8566  
Fax: 970.385.1938



[www.swca.com](http://www.swca.com) Visual Proposal 2008-12-09.pdf

## **Proposed Rosemont Mine Recreation Analysis**

Some thoughts from Debby Kriegel, December 12, 2008

### Key Components to Consider

- Dispersed recreation activities and opportunities (sightseeing, camping, birding, OHV, etc.).
- ROS settings.
- Trails (especially the Arizona Trail).
- Scenic Route 83.

### Issues

Implementation of the proposed action may/would result in...

1. direct loss of xx acres of land and xx miles of public roads to public recreation use during mine operations (20+ years).
2. adverse effects to quiet recreation settings and solitude near mine during mine operations.
3. conflicts between USFS recreation special use permittees and adverse effects to off-forest businesses during and after mine.
4. indirect effects from visitors who will recreate on other parts of the forest for recreation (impacts on other areas).
5. the continued trend toward loss of natural public lands for outdoor recreation in SE Arizona (cumulative effects)
6. a permanent change in recreation settings (ROS) and recreation opportunities in the project area after mining operations are complete.

Recommendation: Review public comments to identify other issues and/or modify above issue statements.

Debby Kriegel/R3/USDAFS  
05/07/2009 02:27 PM

To jlyndes@sagelandscape.com, kavid.krizek@tetrattech.com,  
Beverley A Everson/R3/USDAFS@FSNOTES,  
tfurgason@swca.com, mbidwell@swca.com, Salek  
cc Debby Kriegel/R3/USDAFS@FSNOTES

bcc

Subject Rosemont - Action Items from May 7 meeting

History:  This message has been forwarded.

Action items from the flipchart at today's meeting:

1. Meeting in 3 weeks (tentative date = morning of June 4th)
  - Progress meeting
  - Sage & Tetra Tech to provide modified proposed action: stormwater, reclamation plan, and visual work
  - USFS will provide Feedback
  - Sage will provide examples of other simulation projects
2. SWCA will provide Tetra Tech and Sage with (1) KOP GPS points ASAP, and (2) Evaluation Criteria and Affected Environment in 3 weeks
3. Tetra Tech will provide the USFS (Salek) and SWCA with new survey topo (2' contours) and oblique aerial photos by May 15
4. USFS will provide Tetra Tech and Sage with Concern Level 1 & 2 travelways by May 15
5. USFS will provide desired condition for project area by May 15

Thanks everyone!

Tom: Please forward this to Dale...I don't have his email address.

Debby Kriegel, RLA  
Landscape Architect  
Coronado National Forest  
300 W. Congress  
Tucson, AZ 85701  
(520) 388-8427  
Fax (520) 388-8305  
[www.fs.fed.us/r3/coronado/](http://www.fs.fed.us/r3/coronado/)  
[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)

know what I need to do?

Thanks!

(David: Please let me and Jonathan know if I missed something!)

~~~~~  
Debby Kriegel
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8427

Debby Kriegel/R3/USDAFS
02/12/2010 12:00 PM

To mbidwell@swca.com
cc Debby Kriegel/R3/USDAFS@FSNOTES
bcc
Subject Rosemont rock colors

Hi Marcie,

I just read the "Final Open Pit Wall Coloration" and "Waste Rock Material Characterization" reports. The pit report is clear...the most visible wall will be very light in color. If this rock is not treated with Permeon (or the equivalent) by year 10 (or not treated at all), your simulations will show light colors and the visual effects of the pit are huge.

The waste rock report is trickier. Will you apply the information in the tables geographically to various areas on the waste/tailings piles for simulations? I'm very unclear about the colors described in the report. "White" is obviously a problem visually, and "dark brown" sounds like a good color to mitigate visual impacts, but are things like "tan", "cream", and "light grey" a problem or not? Plus, many of the materials have colors that range from light to dark. Yikes.

I just left you a phone message. I can't remember whether you were going to ask for photos of the rock or if I needed to do something. Please let me know, and I can follow up next week. I'm leaving for the day shortly and am in training all day Tuesday, so I'm not going to be much help until Wed.

Have a good weekend. And thanks for your work on this project!!

Debby

ROSEMONT COPPER PROJECT: November 15, 2010, DEIS Submittal Comment Form

Comment Location (chapter/section and line #s)	FS ID Last Name	Comment	SWCA Responders Last Name	Comment Response/Resolution
Introduction, line 4	Kriegel	Figure 3.1 doesn't show local, state, and Federal lands or a number of recreation opportunities. Deleted reference to figure 3.1.	Leslie	Deleted this reference to Figure 3.1
Ch. 3 Issues, Cause and Effect Relationship of Concern, line 19	Kriegel	Add this measure (Area of the National Forest that would no longer be available to recreational use) to table 3.1	Leslie	Added measure
Ch. 3 Issues, Cause and Effect Relationship of Concern, line 20	Kriegel	Not done. Consider changing this to "Quantitative assessment of noise" or similar (need to change it in chapter 2 also).	Leslie	Changed to qualitative assessment – note to change in Chapter 2 as well.
Ch. 3 Issues, Cause and Effect Relationship of Concern, line 23	Kriegel	Different measure that table 3.1. Consider changing the table (all alternatives would be 0).	Leslie	Changed table to: Hunting permits modified or lost (quantity)
Ch. 3 Issues, Cause and Effect Relationship of Concern, line 28	Kriegel	I recommend adding something like this, "Qualitative comparison of recreation impacts" It's nearly impossible for the public o decision maker to understand which alternatives are worse or better for recreation with just acres in the chart.	Leslie	Added a section describing the qualitative comparison of impacts to recreation.
Ch. 3 Summary of Direct Effects By Issue Measures By Alternative, table 3.1	Kriegel	1: ADDED: Impacted and Area no longer available for recreational use. DELETED: Lost 2: These are just roads, right? DELETED: and Trails 3: Check this. The trail was relocated to avoid the MPO, right?	Leslie	Made change. Removed "trails". The mileage of Arizona Trail directly impacted was determined by overlaying each alternative boundary shapefile with the Arizona Trail shapefile. These numbers are accurate based on data provided.
Ch. 3 Figure 3.1	Kriegel	Show wilderness on this map (at least Mt. Wrightson and Saguaro)	Leslie	Added Wilderness Areas to figure 3.1.
Ch. 3 Existing Conditions, line 26	Kriegel	Add a Letter to each setting here in the text and/ or spell each ROS setting out on the maps.	Leslie	Spelled out in Legend of Maps
Ch. 3 Existing Conditions, line 31	Kriegel	ADDED: ROS Settings DELETED: Zones	Leslie	Changed to "Settings"
Ch. 3 Existing Conditions, line 33	Kriegel	DELETED: zone ADDED: setting	Leslie	Changed to "Settings"
Ch. 3 Recreation Opportunity Spectrum Settings, figure 3.2	Kriegel	On all ROS map: (1) Verify location of Sahuarita, (2) Show existing location of the Arizona Trail, and (3) On legend, change "ROS Code" to "ROS Setting" and spell out the abbreviations or explain in the text.	Leslie	Verified location of Sahuarita Arizona Trail location based on GIS data provided. Is there a new location/shapfile? Changed to "Settings" and Spelled out abbreviations.
Ch. 3 Recreation Opportunity Spectrum Settings, table 3.2	Kriegel	DELETED: zone ADDED: setting	Leslie	Changed to "Settings"
Ch. 3 Recreation Opportunity Spectrum Settings, line 7	Kriegel	DELETED: zones ADDED: setting	Leslie	Changed to "Settings"
Ch. 3 Recreation Opportunity Spectrum Settings, line 21	Kriegel	DELETED: zone ADDED: setting	Leslie	Changed to "Settings"
Ch. 3 Recreation Opportunity Spectrum Settings, line 1	Kriegel	DELETED: zone ADDED: setting	Leslie	Changed to "Settings"
Ch. 3 Designated Wilderness, line 2	Kriegel	ADDED: (See Visual Resources)	Leslie	Added
Ch. 3 Figure 3.3	Kriegel	Check location of Sahuarita. Change label "Rosemont OHV" to "Rosemont OHV Trailhead". Show boundary of hunt unit 34. Change legend "Patagonia Sonolita Hwy." to "Patagonia Sonolita Scenic Hwy"	Leslie	Changed labels for Trailhead and legend to Scenic Highway Hunt Unit Boundary for unit 34a is shown on map.
Ch. 3 Recreation Places, line 7	Kriegel	ADDED: Add current road counter data	Leslie	Road Counter Data from ADOT is presented under the Existing Use Levels Section (next page)
Ch. 3 Recreation Places, line 22	Kriegel	ADDED: Setting, much of, setting DELETED: zone, zone	Leslie	Made change
Ch. 3 Recreation Places, line	Kriegel	ADDED: trailhead	Leslie	Made change

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29						
Ch. 3 Other sites, line 6	Kriegel	Show Hunt Unit 94a on map	Leslie	It is currently shown in Figure 3.3		
Ch. 3 Existing use Levels and Trends, line 39	Kriegel	ADDED: (especially in Redington Pass and the northern Santa Rita Mountains.)	Leslie	Added.		
Ch. 3 Existing use Levels and Trends, line 8	Kriegel	ADDED: add trends related to vehicle numbers on hwy 83 (use ADOT road counter data from recent years).	Leslie	These projected trends are currently presented in this section: "Traffic on the road includes both scenic touring and daily commuting. In 2008, the average annual daily traffic count recorded on State Route 83 from Sahuarita Road to Interstate 10 was 2,800 vehicles (Arizona Department of Transportation 2009). As the population of Arizona continues to grow over time, it is assumed that traffic on the scenic road would increase as a result of tourism and outdoor recreation. According to the Arizona Department of Transportation's 20-year daily traffic forecast, traffic between Sahuarita Road and Interstate 10 is projected to increase to 3,400, a 21% increase, by 2028 (Arizona Department of Transportation 2009)." Is there any additional information you want to add?		
Ch. 3 Existing use Levels and Trends, line 8	Kriegel	Add a statement about the impact of border activities on Coronado NF recreation. A large portion of the forest is now hazardous to visitors because of illegal immigration, drug smuggling, and Border Patrol activities.	Leslie	Added: "The Tucson Sector of the U.S. border with Mexico is considered the busiest Sector of the border and covers 262 miles from the Yuma county line to the Arizona/New Mexico state line. The Nogales Border Patrol Station within the Tucson Sector is now the largest Border Patrol Station in the United States. Border Patrol agents patrol 1,100 square miles, including 32- miles of the border. The Coronado National Forest makes up a large portion of the western sector of the Nogales Station's responsibility. Undocumented immigration, drug smuggling, and increased Border Patrol activities have led to the increased potential for dangerous encounters to recreation visitors on the Coronado National Forest."		
Ch.3 Environmental Consequences, line 29	Kriegel	Is there an appropriate place in the beginning of environmental consequences to mention that effects to recreation are closely tied to visual quality, and that the visual resources section has analysis and simulations for many recreation sites (including Hwy 83, and Arizona Trail, etc.)? It would be good to refer readers to that section for additional information/ analysis.	Leslie	Added to the Impacts Common to All Action Alternatives Section: "Impacts that would occur under each of the alternatives are first presented here and then described in detail as appropriate under each of the alternatives. Impacts to recreation are closely tied to visual quality. The Visual Resources Section includes a detailed analysis and visual simulations of the project from recreation sites (including the Patagonia-Sonora Scenic Road and the Arizona Trail. Where appropriate in the following analysis, the Visual Resources Section is referenced for a more detailed description of the analysis of impacts."		
Ch.3 Environmental Consequences, recreation opportunity spectrum, line 40	Kriegel	ADDED: setting DELETED: zones	Leslie	Made change		
Ch.3 Environmental Consequences, recreation places line 10	Kriegel	What are these? "Population Enhancement Activities" Describe.	Leslie	Changed to: Wildlife Game inventory, monitoring, translocation, and actions to increase game animal population numbers that would continue to occur under the No-Action Alternative would maintain hunting opportunities in the analysis area		
Ch.3 Environmental Consequences, line 12	Kriegel	Explain what enhancements would result (or delete these words).	Leslie	Changed to: Wildlife Game inventory, monitoring, translocation, and actions to increase game animal population numbers that would continue to occur under the No-Action Alternative would maintain hunting opportunities in the analysis area		
Ch. 3 Impacts Common to All Action Alternatives, line 23	Kriegel	ADDED: setting DELETED: zone	Leslie	Made change		
Ch. 3 Impacts Common to All Action Alternatives, line 26	Kriegel	(including back - up alarms)	Leslie	Made change		
Ch. 3 Impacts Common to All Action Alternatives, line 28	Kriegel	At the fence line? How loud is this? Explain in laymans terms. Will mine noise be evident to motorized users (on Hwy 83, Forest Roads, etc) ? What about non-motorized users... will mine noise be obvious to hikers, bikers, and equestrians along the Arizona Trail? Nighttime noise for campers is probably the biggest effect, so describe this.	Leslie	Added the following: "Traffic, construction, and equipment operation within the project area would result in increased noise ranging from 80 A-weighted decibels near the plant site within the project area to 30 to 40 A-weighted decibels at the fence line surrounding the project area. 80 A-weighted decibels is comparable to the sound of an forklift or front loader from 50-foot away. 30 - 40 A-weighted decibels is comparable to the sound of a quiet suburban area at night. Intermittent blasting within the pit in the project area would result in a maximum blast noise for recreation		

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					users ranging from 30 to 40 A-weighted decibels west of the Santa Rita Mountains to 50 to 60 A-weighted decibels immediately south of the project area (see Noise Section). Although these increased noise levels associated with operations would not be readily apparent to motorized recreation users over the sound of their personal vehicles, they would be apparent to campers, hikers, mountain bikers, and equestrians from the fence line surrounding the edge of the project area, along the Arizona Trail, and out to the scenic highway. In particular, campers using dispersed sites throughout the area would be impacted by increased noise levels resulting from nighttime facility operations. *
Ch. 3 Impacts Common to All Action Alternatives, line 14-19	Kriegel	These sentences are confusing. Is the east access road open to the public during mining or not? What is the benefit of the new road if it's closed to the public? Check the fence line maps and explain what is open to the public during mining and what will be open post-mine. I seriously doubt that the road over the pass can be open to the public during mining... in every alternative the perimeter fence eliminates public access.	Leslie	Now reads: "Because public access would be restricted within each of the action alternative areas, the public would be displaced from each action alternative area for 25 years (mine construction, operation, and reclamation, plus time for reclamation to be completed). In addition, for safety purposes, both the primary and secondary access roads for each alternative would be closed to the public, and there would be a direct loss of acres of the Santa Rita Backcountry Touring Area and of existing forest roads used for motorized recreation from each of the action alternatives."	
Ch. 3 Impacts Common to All Action Alternatives, line 22-23	Kriegel	Quantify this. Use existing road counter data and trends from Affected Environment section, find data on number of mine vehicles on Hwy 83, and describe how much more traffic there will be (10% more? Twice as much? Daytime/night changes etc.) ADDED: (including large trucks)	Leslie	Added the following: "Copper concentrate shipments would be the largest number of routine truck shipments, with approximately 55 trips per day, 7 days a week. This increase in heavy truck traffic would contribute to increased noise and intermittent traffic..."	
Ch. 3 Impacts Common to All Action Alternatives, line 25	Kriegel	Check the safety section. Are more vehicle accidents likely due to mine traffic? ADDED: add effect visitor safety.	Leslie	Based on projected increases in traffic, in Year 20 approximately 40 to 60 accidents per year would occur on State Route 83, with fatalities occurring up to once per year (see Public Health and Safety Section). This increase in heavy truck traffic would also contribute to increased noise and intermittent traffic slowdowns seven days a week on the scenic road, primarily between Interstates 10 to the north and Sonotta to the south (see Transportation/Access Section).	
Ch. 3 Impacts Common to All Action Alternatives, line 41	Kriegel	DELETED: heavy truck ADDED: including heavy trucks	Leslie	Made change	
Ch. 3 Proposed Action Alternative, line 14	Kriegel	ADDED: setting DELETED: zones	Leslie	Made change	
Ch. 3 Proposed Action Alternative, line 24	Kriegel	ADDED: Impacts DELETED: views	Leslie	Made change	
Ch. 3 Proposed Action Alternative, line 31	Kriegel	ADDED: other DELETED: adjacent	Leslie	Made change	
Ch. 3 Proposed Action Alternative, line 18	Kriegel	DELETED: over time	Leslie	Made change	
Ch. 3 Phased Tailing Alternatives, line 22	Kriegel	ADDED: setting DELETED: zones	Leslie	Made change	
Ch. 3 Phased Tailing Alternatives, line 29	Kriegel	ADDED: and unavailable for public recreation	Leslie	Made change	
Ch. 3 Phased Tailing Alternatives, line 39	Kriegel	ADDED: setting DELETED: zones, continue to	Leslie	Made change	
Ch. 3 Barrel Alternative, line 15-16	Kriegel	ADDED: , DELETED: 5,698 acres are the, of the Rosemont Copper Project that would be	Leslie	Made change	
Ch. 3 Barrel Alternative, line 23	Kriegel	ADDED: setting DELETED: zones	Leslie	Made change	
Ch. 3 Barrel Alternative, line 36	Kriegel	ADDED: setting DELETED: zones, continue to	Leslie	Made change	
Ch. 3 Barrel Alternative, line 12	Kriegel	I thought that the Arizona Trail only moves east of Hwy 83 in Barrel Trail alternative.	Leslie	Removed "east of State Route 83" from the Barrel Alternative description.	
Ch. 3 Barrel Trail Alternative, line 25-26	Kriegel	DELETED: 7100 acres is the, of the Rosemont Copper Project that would be	Leslie	Made change	

ROSEMONT COPPER PROJECT: November 15, 2010, DEIS Submittal Comment Form

Ch.3 Barrel Trail Alternative, line 33	Kriegel	ADDED: setting DELETED: zone	Leslie	Made change
Ch.3 Barrel Trail Alternative, line 24	Kriegel	East of Hwy 83, right? Mention that this alternative would have fewer impacts to the general visitor experience along the Arizona Trail because the most heavily impacted section of trail would be relocated east of Hwy 83 where the setting would be more natural than adjacent to the mine.	Leslie	Added following: "Relocation of the Arizona Trail from an area adjacent to the mine to a more natural setting east of State Route 83 would result in reduced impacts to visitor experiences along the Arizona Trail when compared with the other alternatives."
Ch.3 Scholefield-McCleary Alternative	Kriegel	Is McCleary part of the name?	Leslie	That is how it has been presented in the latest versions that I have seen.
Ch.3 Scholefield-McCleary Alternative, line 36	Kriegel	DELETED: 7304 acres is the, of the Rosemont Copper Project that would be	Leslie	Made change
Ch.3 Scholefield-McCleary Alternative Figure 3.6	Kriegel	Show the existing Arizona Trail and/or verify the location of the relocated trail (how did you get this alignment?) Label relocated section. Also, why is the fence line on this alternative farther north than Barrel?	Leslie	This is the current Arizona Trail file that we have; I thought we didn't want to show the relocation because a final relocated alignment hadn't been determined yet. The alternative shapefiles are what was provided - I'll have Lara check the figures to make sure they have the correct areas indicated.
Ch.3 Scholefield-McCleary Alternative, line 5-9	Kriegel	ADDED: setting DELETED: zone	Leslie	Made change
Ch.3 Scholefield-McCleary Alternative, line 8	Kriegel	ADDED: add a conclusion paragraph here to describe which of the action alternatives general have the greatest effects to recreation. The Scholefield alternative has the greatest overall impacts because it results in the largest amount of acres that would be closed to the public, has the most extensive mine visibility from numerous recreation sites, and is most difficult to mitigate effects. The Barrel alternative probably has the next greatest overall impact because of the extensive visibility of mine features from numerous recreation sites. The Proposed Action and Phased Tailings alternative have similar impacts, somewhat less than the Scholefield of barrel alternatives because views of some mine features and noise would be blocked by waste rock piles, though waste rock piles are more visible from major recreation areas. The Barrel Trail alternative could potentially have the least overall impacts of recommended land forming mitigation was applied (see Visual Quality Section) because this would result in minimizing the industrial-looking settings, the natural Arizona Trail setting would be maintained, and also this alternative would provide gentler slopes which would be more conducive to dispersed recreation uses. Steve, I'd like your thoughts on this. Are there other factors that you'd like to consider and mention?	Leslie	I think you've captured what the key differences are between the alternative, I did a little rewrite of the conclusion summary as follows: Comparison of Alternative Impacts The Scholefield-McCleary alternative would result in the greatest acreage removed from public access and no longer available for recreational use. This alternative would also result in the greatest mine visibility from recreation sites in the area of analysis. The Barrel alternative would have the next greatest overall impact as a result of the extensive visibility of mine features from recreation sites within the area of analysis. The Proposed Action and Phased Tailings Alternative would result in similar impacts, both somewhat less than the Scholefield-McCleary or Barrel Alternatives. Although views of some mine features would be screened by waste rock piles, those waste rock piles would be more clearly visible from recreation areas in the area of analysis. Although the Barrel Trail Alternative would result in the second greatest acreage removed from public access during mine operations, with the application of recommended landforming mitigation measures (see Visual Quality Section), it would result in the least overall impact to recreation resources and experiences in the long term. Landforming would contribute to minimizing the industrial-looking settings and would provide gentler slopes which would be more conducive to dispersed recreation uses. Additionally, the natural setting of the Arizona Trail would be maintained by relocating the trail to east of State Route 83."
Ch.3 Scholefield-McCleary Alternative line 26-29	Kriegel	This project is done. What is this? Describe. Where did this list come from? Check the latest SOPA and review the cumulative effect table one more time. DELETED: road repairs to the Patagonia Sonolita Scenic Byway.	Leslie	These did come from the last spreadsheet of reasonably foreseeable future actions I received. Conservation Plan was recommended for inclusion by Pima County.
Ch.3 Scholefield-McCleary Alternative line 37	Kriegel	Where are these located? Show on a map or describe (are they near the project)?	Leslie	Couldn't find them near the project area - removed reference.
Ch. 3 Mitigation Effectiveness and Remaining Effects, line 8	Kriegel	Do we have ANY information on these? If not, I don't recommend mentioning this.	Leslie	Deleted
Ch. 3 Mitigation Effectiveness and Remaining Effects, line 11	Kriegel	Add some detail here. Summarize your analysis about how many miles would be needed to offset the loss and road density issues, and mention that there are cultural and biology issues in this area. CHANGED: new to replacement	Leslie	Added: "Between 26 - 30-miles of OHV vehicle routes would have to be replaced in order to offset the direct loss of roads from the alternative actions. There are limitations on road density within Forest Service lands east of State Route 83 that would prevent the development of all 26-30 miles of OHV routes necessary to offset impacts. Additionally, cultural resources and biological resources would have to be considered in determining potential layouts."

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Ch. 3 Mitigation Effectiveness and Remaining Effects, line 12	Kriegel	Bev is working on a map of post-mine roads. Include it here or reference it. I don't think that the public will understand this from just a sentence. And probably only the west perimeter road would be motorized.	Leslie	Changed to: Rosemont off-highway vehicle trailhead, constructing a perimeter access road to allow for post-mine public access through the site (see post-mine road figure X.X)....
Ch. 3 Mitigation Effectiveness and Remaining Effects, line 15	Kriegel	A little detail needed.... number of vehicles now vs. with mine vs. with park and ride.	Leslie	Added: "Traffic on State Route 83 varies annually. In 2008, the average annual daily traffic count from Sahuarita Road to Interstate 10 was 2,800 vehicles. During year 20 of operations, there would be a total of 457 daily commute trips on State Route 83 would be mine-related traffic. Development of a Park and Ride Program as part of transportation mitigation would reduce some of the increased traffic levels on State Route 83 (Patagonia-Sonolita Scenic Road) by encouraging car-pooling."
Ch. 3 Mitigation Effectiveness and Remaining Effects, line 24-26	Kriegel	DELETED: address, that would continue to occur after the identified mitigations have been implemented should ADDED: recommended	Leslie	Made change
Ch. 3 Mitigation Effectiveness and Remaining Effects, line 29	Kriegel	ADDED: Additionally, planting trees and shrubs on waste rock and tailing piles and treating the light-colored upper pit rock would help mitigate visual impacts to recreation settings (see visual resources)	Leslie	Made change
Ch. 3 Mitigation Effectiveness and Remaining Effects, line 38	Kriegel	Mitigation mentioned in ch.2 includes the intent to reduce or eliminate future development of private lands currently owned by Rosemont Copper. Under the proposed action and most action alternatives, the Rosemont Ranch property would eventually be located on top of the waste rock and tailings piles. Post-mine, should Rosemont Coppers or a future owner wish to develop this parcel or request an access road to it, there would be additional impacts to recreation setting. It is assumed that this issue will be address in the final EIS and/or Record of Decision. Therefore, this analysis assumes that future impacts will not occur.	Leslie	Added
Ch. 3 Irretrievable and Irreversible Commitment of Resources, line 10-11	Kriegel	I think this qualifies as irreversible (not irretreivable) since it would be forever. Only a very limited number of users would be likely to return post-mine. ADDED: and trees	Leslie	Agreed - Made change to irreversible.



Kathy Arnold
<karnold@rosemontcopper.com>
02/10/2010 08:14 AM

To Debby Kriegel <dkriegel@fs.fed.us>
cc David Krizek <david.krizek@tetrattech.com>, Marcie Bidwell
<mbidwell@swca.com>, Tom Furgason
<tfurgason@swca.com>, Trent Reeder
bcc

Subject Re: For USFS direction: RCC Viewshed analysis

History: This message has been replied to and forwarded.

Debby -

I don't want to overstate, but I also don't want to minimize the potential for needing to review the site conditions. Let's see what Golder says – if they say something like: "this material requires no special whatever regardless of terrain" we're good. If it says something like "in this location....." we may need to look at it a little more closely. It could probably help (although I don't know their workload) or maybe someone like Dale who is a geotech kind of guy. Let's hope for the clarifying statements.

Cheers!

Kathy

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From: Debby Kriegel <dkriegel@fs.fed.us>
Date: Wed, 10 Feb 2010 09:04:17 -0600
To: Katherine Arnold <karnold@rosemontcopper.com>
Cc: David Krizek <david.krizek@tetrattech.com>, Marcie Bidwell <mbidwell@swca.com>, Tom Furgason <tfurgason@swca.com>, Trent Reeder <treeder@swca.com>, Debby Kriegel <dkriegel@fs.fed.us>, Beverley Everson <beverson@fs.fed.us>, Mindee Roth <mroth@fs.fed.us>
Subject: Re: For USFS direction: RCC Viewshed analysis

Hmmm. Sounds like there is a need to confirm what is possible for each alternative. Is this something that Tetra Tech can help with? Could they start with Golder's report next week? Alternatives like the McCleary/Scholefield ("perched on the top of a hill") might need very different treatment, huh?!

Kathy Arnold <karnold@rosemontcopper.com> 02/10/2010 07:44 AM

To

Debby Kriegel <dkriegel@fs.fed.us>, Marcie Bidwell <mbidwell@swca.com>

cc

David Krizek <david.krizek@tetrattech.com>, Tom Furgason <tfurgason@swca.com>, Trent Reeder <treeder@swca.com>

Subject

Re: For USFS direction: RCC Viewshed analysis

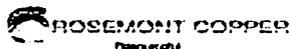
Debby -

I agree with everything that you are saying (in concept) my concern is that Horst and Golder's work is being developed on a landform in a drainage – supported on several sides by the natural ground and not a free-form structure perched on the top of a hill or a drainage. That effects the stability and the stormwater management requirements. I do not think that you can evenly apply ALL grading on all shapes – it will give an indication yes, but needs to be judiciously applied. I am hoping that you get the disclaimers from Golder and Horst as to the applicability of applying their design techniques to other drainages or other locations – possibilities aren't necessarily reality.

Cheers!

Kathy

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From: Debby Kriegel <dkriegel@fs.fed.us <dkriegel@fs.fed.us> >

From: [Beverley A Everson](#)
To: [Reta Laford](#); [Teresa Ann Ciapusci](#); [John Able](#); [Andrea W Campbell](#); [Jennifer Ruyle](#); [Beverley A Everson](#); [Walter Keyes](#); [Salek Shafiqullah](#); [Debby Kriegel](#); [Keith L Graves](#); [Deborah K Sebesta](#); [Tami Emmett](#); [George McKay](#); [Robert Lefevre](#); [Shane Lyman](#); [Eli Curiel](#); [Christopher C LeBlanc](#); [William B Gillespie](#); [Mary M Farrell](#); [Alan Belauskas](#); [Kendall Brown](#); [Thomas Skinner](#); [Larry Jones](#); [Kendra L Bourgart](#); [Janet Jones](#); [Roxane M Raley](#); [Heidi Schewel](#); tfurgason@swca.com
Subject: August 14th Rosemont ID Team Kick-off and Public Scoping Contents Analysis, Standing Meeting Schedule
Date: 07/29/2008 05:39 PM

Congratulations! You are officially part of the Rosemont Copper Project Interdisciplinary Team! Many of you have already begun the team building process by providing input on the project over the past year or so, and most recently, by attending field trips to the Tyrone Mine and to the Rosemont project area. You have brought great interest and enthusiasm to the project, and I look forward to seeing the new ideas and energy that will be generated as the team works together as a whole.

We will be having an official kick-off to the project on August 14th. Attendance at this meeting is important as we'll discuss how the team will work on this unique project in cooperation with SWCA Environmental Consultants. *Please RSVP*

IDT KICK-OFF MEETING DETAILS:

Where: National Advanced Fire and Resource Institute (NAFRI), at 3265 East Universal Way, Tucson .

Agenda:

- 9-12 IDT Kick-off and Public Scoping Content Analysis Overview (Core Team and Extended Team)**
- 1-5 Content Analysis (Core Team)**

Other information. . .

Over the following months, the team will be meeting for field trips, technical information exchange, and development of the Draft Environmental Impact Statement. To facilitate our team efforts, beginning August 30, 2008, the following standing meeting schedule will be used. If a meeting is not going to be held as planned, you will be notified a week in advance.

STANDING MEETING SCHEDULE

Wednesdays - Core Team members

Second Wednesday of the Month - Core and Extended Team members

I look forward to working with each of you on this project!

Bev Everson

Rosemont Copper Project ID Team Leader

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Subject: Issue Statements - latest version
Date: 08/26/2009 05:44 PM
Attachments: [08182009 final issue statements.docx](#)

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----- Forwarded by Beverley A Everson/R3/USDAFS on 08/26/2009 05:43 PM -----

Melinda D Roth/R3/USDAFS

To tfurgason@swca.com, ccoyle@swca.com

cc Beverley A Everson/R3/USDAFS@FSNOTES

08/24/2009 12:34 PM

Subject Issue Statements

latest version... This has not yet been vetted by our Regional Office or formally recommended to Jeanine.

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Subject: Issues & Themes; work assignments
Date: 02/20/2009 03:56 PM

Team, please consider this as the work assignments that I referenced in the email I sent out a short while ago. Also, sorry about the subject line on the last message - I had copied from an earlier message to the team, and it was no doubt confusing...

Bev

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----- Forwarded by Beverley A Everson/R3/USDAFS on 02/20/2009 03:52 PM -----

Melissa Reichard
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Sent by: rosemonteis
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02/20/2009 03:05 PM

To tskinner@fs.fed.us, sldavis@fs.fed.us, gmckay@fs.fed.us, sgriset@swca.com, tfurgason@swca.com, rbowers@swca.com, mjfitch@fs.fed.us, jezzo@swca.com, tciapusci@fs.fed.us, awcampbell@fs.fed.us, beverson@fs.fed.us, jable@fs.fed.us, kbrown03@fs.fed.us, teuler@swca.com, aelek@fs.fed.us, wgillespie@fs.fed.us, hschewel@fs.fed.us, ccoyle@swca.com, jderby@fs.fed.us, mfarrell@fs.fed.us, khouser@swca.com, wkeyes@fs.fed.us, dkriegel@fs.fed.us, sshafiqullah@fs.fed.us, temmett@fs.fed.us, gsoroka@swca.com, cobleblanc@fs.fed.us, ecuriel@fs.fed.us, ljones02@fs.fed.us, kpohs@swca.com, hhall@swca.com, mbidwell@swca.com, rellis@swca.com, dmorrow@swca.com, jconnell@swca.com, rmraley@fs.fed.us, dkeane@swca.com, klgraves@fs.fed.us, daleortmanpe@live.com, kellest@fs.fed.us, devinquintana@fs.fed.us, rlaford@fs.fed.us, rlfevre@fs.fed.us, abelauskas@fs.fed.us, mreichard@swca.com, kserrato@swca.com, dsebesta@fs.fed.us, cbellavia@swca.com

cc Melissa Reichard <mreichard@swca.com>

Subject Issues & Themes

Hi Everyone! I have uploaded everything you should need for your IDT assignments from this Wednesday's meeting. If you have any issues with files, let me know. I would

recommend first, going to the Tracking Sheet and looking for your name in the "Assigned to" column. Please note that if you don't see that column, look at the bottom of the Excel file and be sure you are on the "Assignments" tab. I added what notes came from the meeting. If you have anything else, let me know.

Mel

To go directly to the item, click the link below or paste it into your web browser. Please note that some email clients require that all the letters and numbers in the link appear on one line, or else it won't go to the right place.

<<https://rosemonteis.webexone.com/r.asp?a=12&id=22832>>

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To: [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [gmckay@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [kellett@fs.fed.us](#); [ljones02@fs.fed.us](#); [Mary M Farrell](#); [Melinda D Roth](#); [mreichard@swca.com](#); [rlefevre@fs.fed.us](#); [sldavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [Tami Emmett](#); [tfurgason@swca.com](#); [Walter Keyes](#); [William B Gillespie](#)
Subject: letter to Sec. Vilsack from the Pima County Administrator - attached
Date: 09/18/2009 03:45 PM
Attachments: [6012274.incoming.pdf](#)

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Robert Lefevre/R3/USDAFS

09/18/2009 03:01 PM

To: Beverley A Everson/R3/USDAFS@FSNOTES

cc

Subject: Re: FYI, letter to Sec. Vilsack from the Pima County Administrator [Link](#)

Hi again, Bev. Was a copy of the letter supposed to be attached, or maybe a link to a site were we should see it? Thanks.

Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373

Beverley A Everson/R3/USDAFS

09/18/2009 01:54 PM

To: Beverley A Everson/R3/USDAFS@FSNOTES

cc: [abelauskas@fs.fed.us](#), [aelek@fs.fed.us](#), [dkriegel@fs.fed.us](#), [dsebesta@fs.fed.us](#), [ecuriel@fs.fed.us](#), [gmckay@fs.fed.us](#), [jable@fs.fed.us](#), [kbrown03@fs.fed.us](#), [kellett@fs.fed.us](#), [ljones02@fs.fed.us](#), [Mary M Farrell/R3/USDAFS@FSNOTES](#), [Melinda D Roth/R3/USDAFS@FSNOTES](#), [mreichard@swca.com](#), [rlefevre@fs.fed.us](#), [sldavis@fs.fed.us](#), [sshafiqullah@fs.fed.us](#), [Tami Emmett/R3/USDAFS@FSNOTES](#), [tfurgason@swca.com](#), [Walter Keyes/R3/USDAFS@FSNOTES](#), [William B Gillespie/R3/USDAFS@FSNOTES](#)

Subject: FYI, letter to Sec. Vilsack from the Pima County Administrator [Link](#)

OGC is WO on the Consti. abuse issue.

Bev

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Subject: Proponent Response Concurrent with CA Review
Date: 09/03/2009 05:42 PM
For Follow Up: Normal Priority.

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Subject: Town of Sahaurita comeents on alternatives
Date: 09/03/2009 05:41 PM
For Follow Up: Normal Priority.

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<<https://rosemonteis.webexone.com/r.asp?a=5&id=153353>>

From: [John Able](#)
Sent By: [rosemonteis](#)
To: kscox@swca.com; sldavis@fs.fed.us; gmckay@fs.fed.us; sgriset@swca.com; tfurgason@swca.com; rbowers@swca.com; jezzo@swca.com; tciapusci@fs.fed.us; awcampbell@fs.fed.us; beverson@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; klbourgart@fs.fed.us; teuler@swca.com; wjillespie@fs.fed.us; hschewel@fs.fed.us; tskinner@fs.fed.us; mfarrell@fs.fed.us; khouser@swca.com; wkeyes@fs.fed.us; dkriegel@fs.fed.us; sshafiullah@fs.fed.us; temmett@fs.fed.us; gsoroka@swca.com; cclblanc@fs.fed.us; ecuriel@fs.fed.us; ljones02@fs.fed.us; kpohs@swca.com; hhall@swca.com; mbidwell@swca.com; rellis@swca.com; jconnell@swca.com; rmraley@fs.fed.us; klgraves@fs.fed.us; daleortmanpe@live.com; devinquintana@fs.fed.us; rlaford@fs.fed.us; rlefevre@fs.fed.us; abelauskas@fs.fed.us; mreichard@swca.com; kserrato@swca.com; dsebesta@fs.fed.us; cbellavia@swca.com
Subject: .doc NOT .docx
Date: 10/01/2008 03:16 PM

Here's something on Rosemont Copper Project EIS that I'd like you to see. To go directly to the item, click the link below or paste it into your web browser. Please note that some email clients require that all the letters and numbers in the link appear on one line, or else it won't go to the right place.

<https://rosemonteis.webexone.com/r.asp?a=3&id=9985>

3/20/2009 Briefing for Bev:

Held a Conference call on 3/13 with SWCA to plan for 3/18 meeting.

3/18: Met with EPG (Lauren Weinstein & Jaime Wood) from 0830 to 0945 to discuss 138 kV line and EPG's "Facility Siting Criteria Worksheet".

Follow-up: Core Team was assigned to review on 3/19 and provide comments to **Kent** by 3/20 to forward to **EPG** on 3/20.

1. **Lauren** assigned to forward to **Kent** the Worksheet and a description or definition of the rating categories, i.e, High, Mod., Low. Kent will forward to the Team.
2. **Debby Kriegel** to cover VQO and add SMS (Scenery Management System) and ROS (Recreation Opportunity Spectrum). Debby will get with the **GIS Shop** to provide GIS layers or shape files to EPG.
3. **Teresa Ann** assigned to send EPG the ftp site location for a GIS map with land uses designations and other special classifications such as T&E species critical habitat designations. Teresa Ann will coordinate with **Jennifer Ruyle**.
4. **Teresa Ann** to also get with **Erin Boyle** to address Wilderness.
5. **Kent** will coordinate with the Heritage shop RE Cultural Resources.
6. **Larry Jones** and **Debbie Sebesta** to review Biological Resources section and provide their comments.
7. **Walt Keyes** to cover roads, particularly a new electricity line would need new service roads.

EPG will be hosting two **open houses**:

1. **March 24** from 5:30 to 7:30 p.m. at the Acacia Middle School, 12955 East Colossal Cave Road, Vail, AZ.
2. **March 25** from 5:30 to 7:30 p.m. at the Canoa Hills Social Center, Palo Verde Room. 3660 South Camino del Sol, Green Valley, AZ.

3/18: Meeting with SWCA:

Core Team to make edits/comments to the Issue Themes and send to Bev with a cc to Teresa Ann and Reta by COB Tuesday, March 24th in preparation for the 3/30 meeting with Jeanine & Rosemont.

Bev to e-mail the Issues Themes comments to Charles Coyle on Wednesday so SWCA can review on **Wed. & Thurs the 25th & 26th** (They have a meeting Friday) in preparation for the meeting on **Monday the 30th**.

No meeting is planned for Wednesday the 25th to allow USFS & SWCA time to consolidate/work on Issues comments.

Topic assignments are as follows:

Theme #	Description	Assigned To:
31	Noise	Alan Belauskas
52	Reclamation Plan	Bev with Walt making initial effort.
14	Archeology	Bill Gillespie with Mary Farrell over Tribal
1, 3	Air Pollution	Bob LeFevre
57	Riparian Vegetation	Bob LeFevre
65	Soils	Bob LeFevre
101	Wilderness	Debbie Kriegel with Laura White
56	Recreation	Debby Kriegel
84	Visual Resources	Debby Kriegel
69	Special Status Species	Debbie Sebesta
79	Vegetation	Debbie Sebesta
83, 102, 103, 104, 105	Wildlife Habitat	Debbie Sebesta with Larry Jones
91	Acid Rock Drainage	Eli Curiel
27, 28	Livestock Grazing	Kendall Brown
80, 89 (Partial), 90, 93	Mine Area Groundwater	Salek with Walt making initial effort
92	Potential Pit Lake	Salek with Walt making initial effort
15, 61	Socioeconomics/Environmental Justice	Sarah Davis
25	Outdoor Lighting	Sarah Davis
74	Transportation	Walt Keyes
94	Storm Water Control	Walt Keyes

Recommend combining **Dismissed Issues** 68 – Subsidence in Santa Cruz Valley with 95 – Groundwater Withdrawal in Santa Cruz Valley.

In the Themes table the light shaded areas are to be carried forward as a significant issue. Others may be discussed further in some context but not as a significant issue.

Briefly reviewed the **Chapter 3 Outline**. Specialists are to visit with their RO counterparts to see if the outline were all that they saw, would it be enough? ID Team to make edits to the Chapter 3 Outline **in Webex by April 22nd**. One suggestion is to categorize into 3 major headings:

1. Physical
2. Biological
3. Social/Economics

Add a Heading/Section for Visual Resources (3.8.2.1; 3.8.2.2; etc.) Fire & Fuels (3.17)

Meeting on **March 30th** at 1300 in Room 4B to present Issue Statements to Rosemont and Jeanine.

March 31st and April 1st Core ID Team meeting to discuss/develop alternatives. Includes a site visit to Rosemont.

Alternative Routes	Links Included	Approximate Length (miles)		Stakeholder Group Comments
		Permanent	Temporary	
North Route Family				
3	20, 25, 55, 85, 90, 95, 140, 170, 160, 190, 210	20.95	n/a	
8	20, 25, 55, 85, 90, 95, 140, 120*, 130*, 135*	15.62	4.11	
10	20, 25, 55, 85, 90, 95, 140, 120*, 105*, 155*	15.62	4.38	
Santa Rita Road Route Family				
1	20, 25, 60, 100, 105, 155, 140, 170, 160, 190, 210	18.24	n/a	
3	20, 25, 60, 100, 130, 135, 95, 140, 170, 160, 190, 210	18.12	n/a	
7	20, 25, 60, 100, 105, 155, 140, 120*	12.91	2.18	
9	20, 25, 60, 100, 130, 135, 95, 140, 120*	12.79	2.18	

Alternative Routes	Links Included	Approximate Length (miles)		Stakeholder Group Comments
		Permanent	Temporary	
Adjacent 46kV Route Family				
1	30, 110, 120, 105,, 155, 140	15.06	n/a	
2	30, 110, 120, 130, 135, 95, 140	14.94	n/a	
4	30, 110, 150, 170, 160, 190, 210	19.49	n/a	
6	30, 110, 120, 105, 155, 140,	21.78	n/a	
*Temporary interconnection for construction power and will be removed once the 138kV transmission line for operation power is constructed				

**FACILITY SITING CRITERIA WORK SHEET
SENSITIVITY LEVELS – ROSEMONT 138KV TRANSMISSION LINE**

Resource Category	Proposed Sensitivity Level*	Public and Stakeholder Group Suggested Sensitivity Level	Rationale For Suggested Change	Revised Sensitivity Level
Existing Land Use Resources				
Residential	High			
Schools/Educational Facilities	High			
Commercial/Retail	Low-Moderate			
Hotel/Resort	Moderate-High			
Agricultural Land (Pecan Groves)	Moderate			
Vacant/Undeveloped Land	Low		Revised to include undeveloped per Stakeholder group comment	
Industrial	Low			
Public/Quasi-Public				
- Church	High			
- Cemetery	High			
- Government Buildings	Low-Moderate			
- Detention Facilities (Prisons)	Low			
Parkways	Moderate-High			
Existing Recreation Resources				
Parks	High			
Wilderness Area		Incompatible	Resource category added based on Stakeholder group comment	Incompatible
Inventoried Roadless Area			Resource category added based on Stakeholder group comment	High
Recreation Areas and Open Space	Moderate-High	High	Revised resource category to separate trails, trailheads, picnic areas, golf courses, and campgrounds	Moderate-High
Golf Courses	Moderate			
Developed National/Regional Trail		High	Stakeholder group comment	High
Local Trails (County or City designated)		High	Stakeholder group comment. In general, trails provide an opportunity for a transmission line corridor to allow for the sharing and maintaining of right-of-way.	Moderate-High
Trailheads, Picnic areas, and Campgrounds		High	Stakeholder group comment	High
Restricted Peaks and Ridges	Moderate-High			
Existing Visual Resources				
Scenic Roads	High			

**FACILITY SITING CRITERIA WORK SHEET
SENSITIVITY LEVELS – ROSEMONT 138KV TRANSMISSION LINE**

Resource Category	Proposed Sensitivity Level*	Public and Stakeholder Group Suggested Sensitivity Level	Rationale For Suggested Change	Revised Sensitivity Level
Visual Classifications – BLM (VRM), Forest Service (Concern Levels)				
- VRM Class II	Moderate-High			
- VRM Class III	Low-Moderate			
-Concern Level 1 (High concern roads and trails) – Immediate Foreground (0-300 feet)		Very High	Stakeholder group comment based on current and past inventories conducted by the Forest Service. Established sensitivity criteria levels for this project range from low to high; therefore the suggested sensitivity level “very high” was revised to high.	High
-Concern Level 1 (High concern roads and trails) – Foreground (300 feet -1/2 mile)		High	Stakeholder group comment based on current and past inventories conducted by the Forest Service.	High
-Concern Level 1 (High concern roads and trails) – Middleground (1/2 to 4 miles)		Moderate	Stakeholder group comment based on current and past inventories conducted by the Forest Service.	Moderate
-Concern Level 2 (Moderate concern roads and trails) – Immediate Foreground (0-300 feet)		Moderate - High	Stakeholder group comment based on current and past inventories conducted by the Forest Service. Revised suggested sensitivity level to account for a range of sensitivity levels consistent with ‘Concern Level 1 roads and trails.’ The revised level is also consistent with past projects completed with the Coronado National Forest.	Moderate
-Concern Level 2 (Moderate concern roads and trails) – Foreground (300 feet -1/2 mile)		Moderate	Stakeholder group comment based on current and past inventories conducted by the Forest Service.	Moderate
-Concern Level 2 (Moderate concern roads and trails) – Middleground (1/2 to 4 miles)		Low-Moderate	Stakeholder group comment based on current and past inventories conducted by the Forest Service.	Low-Moderate
Future Land Use Resources				
Residential Planned – Plat Approved	Moderate-High			
Residential Planned – Zoning Approved	Moderate			
Residential Planned – Conceptual/General/Comprehensive Plan	Low-Moderate			
Commercial Planned – Plat Approved	Low-Moderate			
Commercial Planned – Zoning Approved	Low			
Commercial Planned – Conceptual/General/Comprehensive Plan	Low			
Mixed Use – Plat Approved	Moderate			
Mixed Use – Zoning Approved	Low-Moderate			

**FACILITY SITING CRITERIA WORK SHEET
SENSITIVITY LEVELS – ROSEMONT 138KV TRANSMISSION LINE**

Resource Category	Proposed Sensitivity Level*	Public and Stakeholder Group Suggested Sensitivity Level	Rationale For Suggested Change	Revised Sensitivity Level
Mixed Use – Conceptual/General/Comprehensive Plan	Low-Moderate			
Military – Plat Approved	Moderate			
Military – Zoning Approved	Low-Moderate			
Military – Conceptual/General/Comprehensive Plan	Low			
Industrial Facilities – Plat Approved	Low			
Industrial Facilities – Zoning Approved	Low			
Industrial Facilities – Conceptual/General/Comprehensive Plan	Low			
Future Recreation Resources				
Parks – Plat Approved	Moderate-High			
Parks – Zoning Approved	Moderate			
Parks – Conceptual/General/Comprehensive Plan	Low-Moderate	Moderate	Stakeholder group comment. At this stage of planning, the park is a future use that may not be developed for several years. The status level allows for modification to plan with the transmission line.	Low-Moderate
Recreation Areas and Open Space – Plat Approved	Moderate			
Recreation Areas and Open Space – Zoning Approved	Low-Moderate			
Recreation Areas and Open Space – Conceptual/General/Comprehensive Plan	Low	Moderate	Stakeholder group comment. At this stage of planning, the recreation area is a future use that may not be developed for several years. The status level allows for modification to plan with the transmission line.	Low
Golf Courses – Plat Approved	Low-Moderate			
Golf Courses – Zoning Approved	Low			
Golf Courses – Conceptual/General/Comprehensive Plan	Low			
National/Regional Trails – Plat Approved	Moderate-High			
Local Trails (County or City designated) – Conceptual/General/Comprehensive Plan	Low			
Trailheads, Picnic Areas, Campgrounds – Conceptual/General/Comprehensive Plan	Low-Moderate			

**FACILITY SITING CRITERIA WORK SHEET
SENSITIVITY LEVELS – ROSEMONT 138KV TRANSMISSION LINE**

Resource Category	Proposed Sensitivity Level*	Public and Stakeholder Group Suggested Sensitivity Level	Rationale For Suggested Change	Revised Sensitivity Level
Existing Cultural Resources				
Listed or Eligible National or State Register Properties (e.g., Vail Post Office)	Moderate-High			
Existing Biological Resources				
Pima County Wildlife Corridors	Low-Moderate	High	Stakeholder group comment. Detailed impact study will identify those areas of higher impact as a result of the proposed transmission line project.	Low-Moderate
Santa Cruz River	Moderate			
Cienega Creek Natural Preserve	High			
Davidson Canyon	High			
Bar V Ranch (Pima County 2004 Conservation Bond Program)		High	Data added based on public comment. Detailed impact study will identify those areas of higher impact as a result of the proposed transmission line project.	Moderate-High
Las Cienegas National Conservation Area	Moderate	High	Stakeholder group comment. Guidance will be through the BLM management plan.	Moderate-High
Pima County Conservation Lands System				
- Agricultural In-holdings within Conservation Area	Low			
- Biological Core Management Areas	Low-Moderate	High	Public comment. Detailed impact study will identify those areas of higher impact as a result of the proposed transmission line project.	Low-Moderate
- Important Riparian Areas	Low-Moderate			
- Multiple Use Management Areas	Low			
- Designated Scientific Research Area	Low-Moderate	Moderate-High or High	Stakeholder group and public comment. Detailed impact study will identify those areas of higher impact as a result of the proposed transmission line project. Santa Rita Experimental Range representative indicated there are specific areas with a higher sensitivity on the Range than others. These areas will be defined in the impact assessment phase of the project.	Low-Moderate
Existing Opportunities**				
Roads/Major Arterial Roadways	NA			
Pipelines (e.g., gas)	NA			
Railroads	NA			

**FACILITY SITING CRITERIA WORK SHEET
SENSITIVITY LEVELS – ROSEMONT 138KV TRANSMISSION LINE**

Resource Category	Proposed Sensitivity Level*	Public and Stakeholder Group Suggested Sensitivity Level	Rationale For Suggested Change	Revised Sensitivity Level
Utility Facilities (substations, etc.)	NA			
Section lines, half-section lines	NA			
46kV Overhead Transmission Line Corridors	NA			
115kV/138kV Overhead Transmission Line Corridors	NA			
230kV/345kV Overhead Transmission Line Corridors	NA			
Future (Planned) Opportunities				
Roads/Major Arterial Roadways - Approved	NA			
Roads/Major Arterial Roadways - Conceptual/General/Comprehensive Plan	NA			
Pipelines (e.g., water, wastewater)	NA			
Utility Facilities (transmission lines, substations)	NA			

NOTES:

Sensitivity level modification may occur after evaluation of edge condition (e.g., residential areas adjacent to major arterial roads and 46kV and above power lines).

*Proposed sensitivity levels were draft for agency and public comment. The agencies/public provided comments and suggestions to add or revise the resource category; therefore, some resource categories do not include proposed sensitivity levels because they were not provided in the draft document.

**Siting along existing transmission lines or other linear facilities with access is preferred. Planning jurisdictions prefer to locate transmission facilities along existing linear features; however, in past projects if existing access or existing linear features are not available to parallel, section lines are considered an opportunity to minimize bisecting property boundaries.

Environmental Planning Group

4141 North 32nd Street, Suite 102

Phoenix, AZ 85018

EPG,

Thank you for the opportunity to attend the Stakeholder Group Meeting on March 5, 2010. In response to your request for comments regarding the current family of alternatives for the possible Rosemont 138kV Transmission Line Project I submit the following:

As we've stated before we would like to minimize the miles of powerlines on National Forest System lands.

Most options concern bringing power to the proposed Rosemont project using the 140 link which crosses the Forest boundary but would be located mostly on patented land. The Forest has little concern regarding link 140.

Up to the recent Stakeholder Meeting it was our understanding that the proposed 160, 190 and 210 lines were for temporary construction power and would be removed once a permanent 138kV line was in place. The exception being if the "Adjacent 46kV Route Family Alt 4" route became the selected permanent route which includes links 30, 110, 150, 160, 190 & 210. At the Stakeholder meeting it was made clear that if the 160, 190 & 210 links were constructed, Rosemont would like for them to remain permanently for backup power.

Unfortunately, I'm not prepared to provide a response on these links at this time. I will schedule for representatives from Rosemont and TEP to attend a Forest Service ID Team meeting in the near future to provide clarification; after which I will provide a response concerning these links.

Rosemont Meetings:

Mondays: Forest Service Strategy Meeting. Reta Laford, John Able, Theresa Ann and Bev. John is the coordinator for these meetings,

1st Wed. of the Month: Core ID Team Meeting. Core ID Team Members: Bev, Kent, Walt, Debby Kriegel, Debbie Sebesta, Salek and Reta.

2nd Wed. of the Month:

Stakeholders Meeting:

Tuesday Oversight Meeting: Reta, T.A., Tom Furgason, Charles Coyle, Dale and Melissa Reichard.

Theme #	Description	Assigned To:
31	Noise	Alan Belauskas
52	Reclamation Plan	Bev with Walt making initial effort.
14	Archeology	Bill Gillespie with Mary Farrell over Tribal
1, 3	Air Pollution	Bob LeFevre
57	Riparian Vegetation	Bob LeFevre
65	Soils	Bob LeFevre
101	Wilderness	Debbie Kriegel with Laura White
56	Recreation	Debby Kriegel
84	Visual Resources	Debby Kriegel
69	Special Status Species	Debbie Sebesta
79	Vegetation	Debbie Sebesta
83, 102, 103, 104, 105	Wildlife Habitat	Debbie Sebesta with Larry Jones
91	Acid Rock Drainage	Eli Curiel
27, 28	Livestock Grazing	Kendall Brown
80, 89 (Partial), 90, 93	Mine Area Groundwater	Salek with Walt making initial effort
92	Potential Pit Lake	Salek with Walt making initial effort
15, 61	Socioeconomics/Envirionmental Justice	Sarah Davis
25	Outdoor Lighting	Sarah Davis
74	Transportation	Walt Keyes
94	Storm Water Control	Walt Keyes

By end of Day, Tuesday, March 24, send comments to Bev with a cc to Rita and Teresa Ann



DRAFT

Rosemont 138kV Transmission Line Project Preliminary Transmission Link Alternatives with Jurisdiction and Ownership

Legend

- 10 Link Identification Number
- Link Node
- Preliminary Alternative Link

Land Managing Areas

- U.S. Forest Service
- Bureau of Land Management
- National Park Service
- Indian Reservation
- Arizona State Land
- Local Park (Pima County)
- Unincorporated Pima County

Planning Jurisdictions

- Green Valley Planning Area
- Sahuarita Incorporated Boundary

Special Management Areas

- Mt. Wrightson Wilderness
- Santa Rita Experimental Range
- Las Cienegas National Conservation Area

Rosemont Copper Facilities

- Private Lands
- Claim Boundary

Notes: Not all of the preliminary alternative links shown on the map will be constructed. Project Study Area Boundary has been updated as of July 2009

General Reference Features

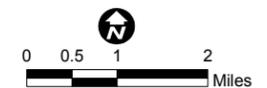
- Existing Substation
- Proposed Switchyard/Substation
- Existing 345kV Transmission Line
- Existing 230kV Transmission Line
- Existing 138kV Transmission Line
- Existing 115kV Transmission Line
- Existing 46kV Transmission Line
- National Forest Boundary
- Updated Project Study Area Boundary
- County Boundary
- Interstate
- Highway
- Secondary Road
- Railroad
- Lake
- River / Wash
- Township Boundary
- Section Boundary

Project Location



Sources

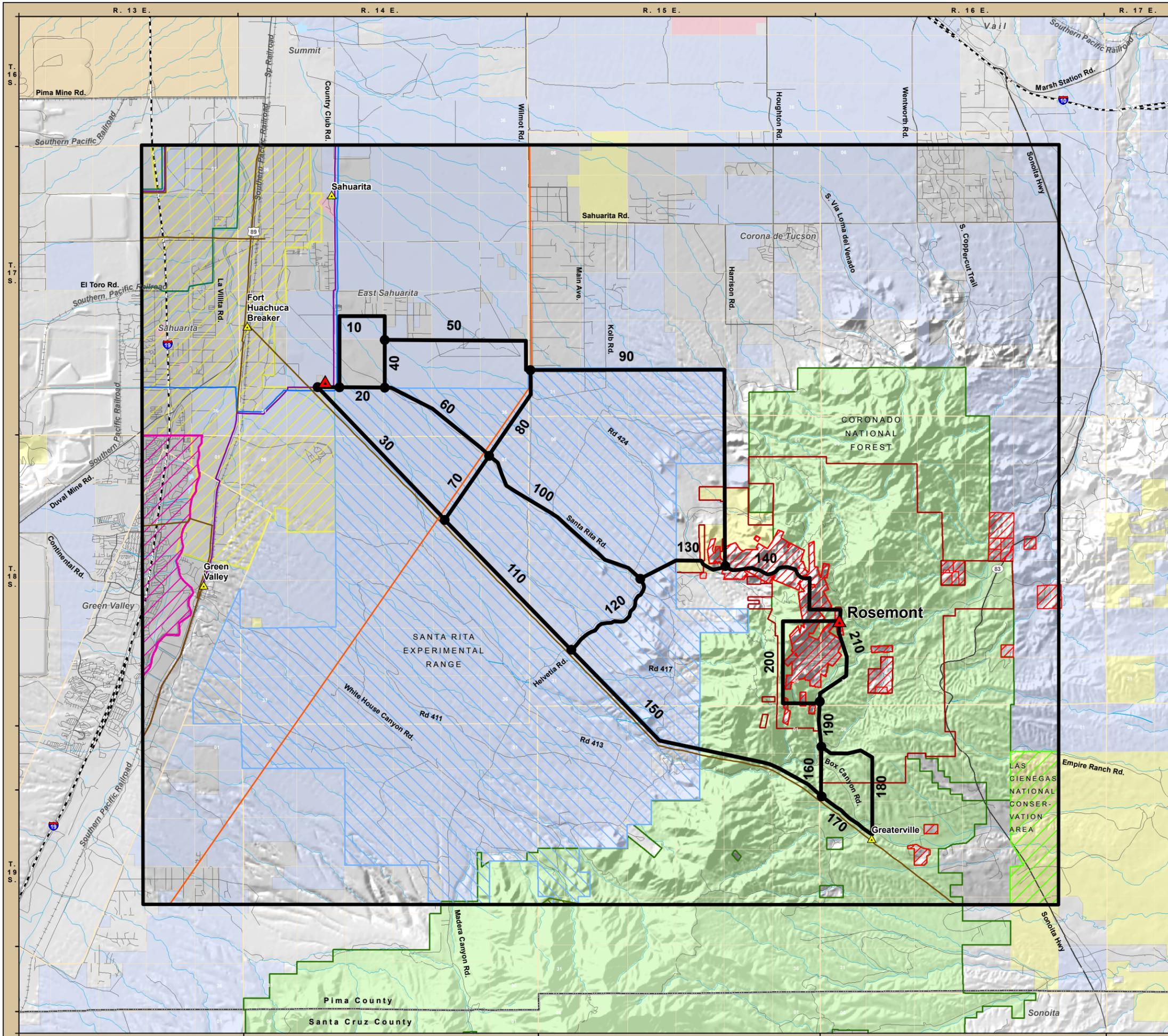
StreetMap USA 2008; TEP 2008; EPG, 2008; Pima County 2008; Rosemont Copper Company 2008



Working Draft
July 14, 2009



N:\projects\Rosemont Copper\TEP_Lopez\mxd\PMO_Base_Hilshade.mxd



Road Number	Miles to Be Decommissioned	Comment Letter	Scoping Comments	Keep	USFS Response
4051-1.92R-1	0.17	Cochise Trails	On or partially on Rosemont patented land.		Most on pvt. ID team recommends leave roads in proposal close if they are mostly on forest.
4051-1.96L-1	0.12	Cochise Trails	On or partially on Rosemont patented land.		FS
4051-2.75R-1	0.44	Cochise Trails	On or partially on Rosemont patented land.		PVT
4051-2.87R-1	0.45	Cochise Trails	On or partially on Rosemont patented land.		PVT
4051-2.87R-2	0.27	Cochise Trails	On or partially on Rosemont patented land.		PVT
4051-2.87R-3	0.25	Cochise Trails	On or partially on Rosemont patented land.		Most on pvt
4053-0.75L-1	0.33	Cochise Trails	On or partially on Rosemont patented land.		FS
4053-0.90L-1	0.05	Cochise Trails	On or partially on Rosemont patented land.		PVT
4055-0.63R-1	0.09	Cochise Trails	On or partially on Rosemont patented land.		PVT
4055-0.70R-1	0.1	Cochise Trails	On or partially on Rosemont patented land.		PVT
4055-0.74L-1	0.29	Cochise Trails	On or partially on Rosemont patented land.		PVT
4055-0.74L-2	0.33	Cochise Trails	On or partially on Rosemont patented land.		PVT
4055-0.74L-3	0.09	Cochise Trails	On or partially on Rosemont patented land.		PVT
4055-0.98R-1	0.07	Cochise Trails	On or partially on Rosemont patented land.		FS
4055-1.10R-1	0.34	Cochise Trails	On or partially on Rosemont patented land.		FS
4057-0.23R-1	0.07	Cochise Trails	On or partially on Rosemont patented land.		FS
4058-0.38R-1	0.22	Cochise Trails	On or partially on Rosemont patented land.		FS
4058-0.98R-1	0.32	Cochise Trails	On or partially on Rosemont patented land.		FS

4058-1.10R-1	0.27	Cochise Trails	On or partially on Rosemont patented land.		FS
4059-0.16R-1	0.34	Cochise Trails	On or partially on Rosemont patented land.		PVT
4059-0.41L-1	0.46	Cochise Trails	On or partially on Rosemont patented land.		Most on pvt
4059-0.41L-2	0.64	Cochise Trails	On or partially on Rosemont patented land.		Most on pvt
4059-0.41L-3	0.09	Cochise Trails	On or partially on Rosemont patented land.		PVT
4059-0.41L-4	0.14	Cochise Trails	On or partially on Rosemont patented land.		PVT
4059-0.41L-5	0.27	Cochise Trails	On or partially on Rosemont patented land.		PVT
4059-0.41L-6	0.79	Cochise Trails	On or partially on Rosemont patented land.		Starts on FS, ends on PVT
4059-0.50L-1	0.45	Cochise Trails	On or partially on Rosemont patented land.		PVT
4834-0.86L-1	0.43	Cochise Trails	On or partially on Rosemont patented land.		On and off pvt.
Total Road Miles				7.88	

Kathy Arnold
<karnold@rosemontcopper.com>

02/17/2010 09:25 AM

To "wkeyes@fs.fed.us" <wkeyes@fs.fed.us>,
"kellett@fs.fed.us" <kellett@fs.fed.us>

cc

Subject FW: map of roads proposed for decommissioning

Walt and Kent -

I know they are working on decommissioning the roads in our area and thought I would forward the roads that we have concerns about (I wasn't sure what you knew or didn't know about the project.)

Please let me know if you have questions.

Cheers!

Kathy

Katherine Ann Arnold, P.E. | Director of Environmental and Regulatory Affairs

Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724

karnold@rosemontcopper.com



Rosemont Copper Company

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----- Forwarded Message

From: Katherine Arnold <karnold@rosemontcopper.com>

Date: Wed, 17 Feb 2010 08:55:53 -0700

To: Beverley Everson <beverson@fs.fed.us>, Laura White <laurawhite@fs.fed.us>

Cc: Jamie Sturgess <jsturgess@augustaresource.com>, Jeff Cornoyer <jcornoyer@rosemontcopper.com>, Tom Kay <tomkay@wildblue.net>

Conversation: map of roads proposed for decommissioning

Subject: Re: map of roads proposed for decommissioning

Laura and Bev -

I am sorry it took so long for me to get this sorted out, we still are waiting to hear from the ranch group but we do have a number of concerns on the decommissioning project. The primary concern we have is that the Forest is using an outdated map so most of the roads scheduled for decommissioning on private property don't show on the map appropriately (no wonder the public is confused). We are using these roads to access various claims and other areas on our property. I have attached a corrected map segment showing those roads and the outline. A list of roads of specific concern are:

4051-1.92R-1

4051-1.96L-1

4051-2.75R-1

4051-2.87R-1

4051-2.87R-2

4051-2.87R-3

4053-0.90L-1

4055-0.63R-1

4055-0.70R-1
4055-0.74L-1
4055-0.74L-2
4055-0.74L-3
4055-0.98R-1
4055-1.10R-1
4058-1.10R-1
4059-0.16R-1
4059-0.41L-1
4059-0.41L-2
4059-0.41L-3
4059-0.41L-4
4059-0.41L-5
4059-0.41L-6
4059-0.50L-1
4834-0.86L-1

We also are using some roads for access to private property, the ones of specific interest are:

4051-1.96L-1
4834-0.86L-1
4053-0.90L-1

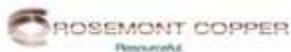
There are a number of ranch roads that may go to fencing, overlooks, stock tanks, or wells that I don't know about. Roads that go to ranch facilities that I think are currently in use (in addition to those listed above) include:

4055-0.98R-1
4055-1.10R-1 (well)
4058-4.10R-1
4059-0.41L-6

I have attached the spreadsheet and highlighted the roads that we specifically are concerned about closing – either because they provide ranch access or because they provide access to our claims, radio repeaters, weather station, etc. We have no problem with you not showing roads on private property as public roads, however any on private will remain open until they are incorporated into the mine plan so that we can continue to access reclamation sites, well sites, test plots, photo points, outcrops, stock tanks, fences, etc.

Cheers!
Kathy

Katherine Ann Arnold, P.E. | Director of Environmental and Regulatory Affairs
Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724
karnold@rosemontcopper.com



Rosemont Copper Company
P.O. Box 35130 | Tucson, AZ 85740-5130
3031 West Ina Road | Tucson, AZ 85741 | www.rosemontcopper.com

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Road Number	Miles to Be Decommissioned	Comment Letter	Scoping Comments	Keep	USFS Response
4051-1.92R-1	0.17	Cochise Trails	On or partially on Rosemont patented land.		Most on pvt. ID team recommends leave roads in proposal close if they are mostly on forest.
4051-1.96L-1	0.12	Cochise Trails	On or partially on Rosemont patented land.		FS
4051-2.75R-1	0.44	Cochise Trails	On or partially on Rosemont patented land.		PVT
4051-2.87R-1	0.45	Cochise Trails	On or partially on Rosemont patented land.		PVT
4051-2.87R-2	0.27	Cochise Trails	On or partially on Rosemont patented land.		PVT
4051-2.87R-3	0.25	Cochise Trails	On or partially on Rosemont patented land.		Most on pvt
4053-0.75L-1	0.33	Cochise Trails	On or partially on Rosemont patented land.		FS
4053-0.90L-1	0.05	Cochise Trails	On or partially on Rosemont patented land.		PVT
4055-0.63R-1	0.09	Cochise Trails	On or partially on Rosemont patented land.		PVT
4055-0.70R-1	0.1	Cochise Trails	On or partially on Rosemont patented land.		PVT
4055-0.74L-1	0.29	Cochise Trails	On or partially on Rosemont patented land.		PVT
4055-0.74L-2	0.33	Cochise Trails	On or partially on Rosemont patented land.		PVT
4055-0.74L-3	0.09	Cochise Trails	On or partially on Rosemont patented land.		PVT
4055-0.98R-1	0.07	Cochise Trails	On or partially on Rosemont patented land.		FS
4055-1.10R-1	0.34	Cochise Trails	On or partially on Rosemont patented land.		FS
4057-0.23R-1	0.07	Cochise Trails	On or partially on Rosemont patented land.		FS

4058-0.38R-1	0.22	Cochise Trails	On or partially on Rosemont patented land.		FS
4058-0.98R-1	0.32	Cochise Trails	On or partially on Rosemont patented land.		FS
4058-1.10R-1	0.27	Cochise Trails	On or partially on Rosemont patented land.		FS
4059-0.16R-1	0.34	Cochise Trails	On or partially on Rosemont patented land.		PVT
4059-0.41L-1	0.46	Cochise Trails	On or partially on Rosemont patented land.		Most on pvt
4059-0.41L-2	0.64	Cochise Trails	On or partially on Rosemont patented land.		Most on pvt
4059-0.41L-3	0.09	Cochise Trails	On or partially on Rosemont patented land.		PVT
4059-0.41L-4	0.14	Cochise Trails	On or partially on Rosemont patented land.		PVT
4059-0.41L-5	0.27	Cochise Trails	On or partially on Rosemont patented land.		PVT
4059-0.41L-6	0.79	Cochise Trails	On or partially on Rosemont patented land.		Starts on FS, ends on PVT
4059-0.50L-1	0.45	Cochise Trails	On or partially on Rosemont patented land.		PVT
4834-0.86L-1	0.43	Cochise Trails	On or partially on Rosemont patented land.		On and off pvt.
Total Road Miles				7.88	

From: Beverley Everson <beverson@fs.fed.us>

Date: Thu, 11 Feb 2010 18:42:08 -0600

To: Katherine Arnold <karnold@rosemontcopper.com>, Laura White <laurawhite@fs.fed.us>

Subject: map of roads proposed for decommissioning

Kathy, please see my last email. Laura White is working on this project, and can give you more information about the roads analysis. She can be reached at 388.8419. Bev

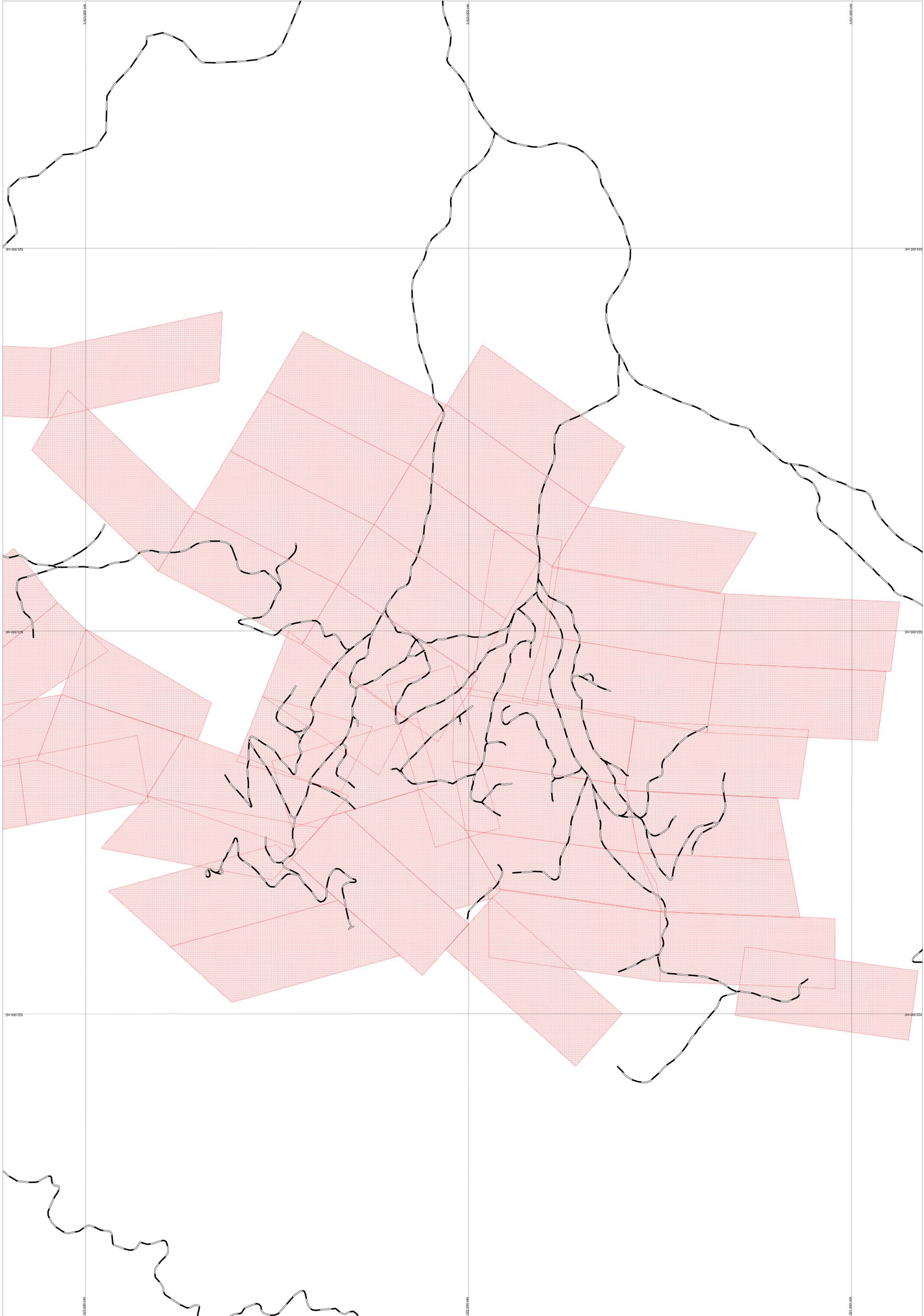
Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305



----- End of Forwarded Message Correct Map 1A.pdf Unauthorized Rosemont roads_2-9-10_.xls



Road Number	Miles to Be Decommissioned		Comment Letter	Scoping Comments	Keep	USFS Response	
4051-1.92R-1	0.17		Cochise Trails	On or partially on Rosemont patented land.		Most on pvt. ID team recommends leave roads in proposal close if they are mostly on forest.	
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4055-0.70R-1	0.1		Cochise Trails	On or partially on Rosemont patented land.			PVT
4055-0.74L-1	0.29		Cochise Trails	On or partially on Rosemont patented land.			PVT
4055-0.74L-2	0.33		Cochise Trails	On or partially on Rosemont patented land.			PVT
4055-0.74L-3	0.09		Cochise Trails	On or partially on Rosemont patented land.			PVT
4055-0.98R-1	0.07		Cochise Trails	On or partially on Rosemont patented land.			FS
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Total Road Miles				
		7.88		

Kathy Arnold

<karnold@rosemontcopper.com>

02/17/2010 09:25 AM

To "wkeyes@fs.fed.us" <wkeyes@fs.fed.us>, "kellett@fs.fed.us" <kellett@fs.fed.us>

cc

Subject FW: map of roads proposed for decommissioning
t

Walt and Kent -

I know they are working on decommissioning the roads in our area and thought I would forward the roads that we have concerns about (I wasn't sure what you knew or didn't know about the project.) Please let me know if you have questions.

Cheers!

Kathy

Katherine Ann Arnold, P.E. | Director of Environmental and Regulatory Affairs

Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724

karnold@rosemontcopper.com



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----- Forwarded Message

From: Katherine Arnold <karnold@rosemontcopper.com>

Date: Wed, 17 Feb 2010 08:55:53 -0700

To: Beverley Everson <beverson@fs.fed.us>, Laura White <laurawhite@fs.fed.us>

Cc: Jamie Sturgess <jsturgess@augustaresource.com>, Jeff Cornoyer <jcornoyer@rosemontcopper.com>, Tom Kay <tomkay@wildblue.net>

Conversation: map of roads proposed for decommissioning

Subject: Re: map of roads proposed for decommissioning

Laura and Bev -

I am sorry it took so long for me to get this sorted out, we still are waiting to hear from the ranch group but we do have a number of concerns on the decommissioning project. The primary concern we have is that the Forest is using an outdated map so most of the roads scheduled for decommissioning on private property don't show on the map appropriately (no wonder the public is confused). We are using these roads to access various claims and other areas on our property. I have attached a corrected map segment showing those roads and the outline. A list of roads of specific concern are:

4051-1.92R-1

4051-1.96L-1

4051-2.75R-1

4051-2.87R-1
4051-2.87R-2
4051-2.87R-3
4053-0.90L-1
4055-0.63R-1
4055-0.70R-1
4055-0.74L-1
4055-0.74L-2
4055-0.74L-3
4055-0.98R-1
4055-1.10R-1
4058-1.10R-1
4059-0.16R-1
4059-0.41L-1
4059-0.41L-2
4059-0.41L-3
4059-0.41L-4
4059-0.41L-5
4059-0.41L-6
4059-0.50L-1
4834-0.86L-1

We also are using some roads for access to private property, the ones of specific interest are:

4051-1.96L-1
4834-0.86L-1
4053-0.90L-1

There are a number of ranch roads that may go to fencing, overlooks, stock tanks, or wells that I don't know about. Roads that go to ranch facilities that I think are currently in use (in addition to those listed above) include:

4055-0.98R-1
4055-1.10R-1 (well)
4058-4.10R-1
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I have attached the spreadsheet and highlighted the roads that we specifically are concerned about closing – either because they provide ranch access or because they provide access to our claims, radio repeaters, weather station, etc. We have no problem with you not showing roads on private property as public roads, however any on private will remain open until they are incorporated into the mine plan so that we can continue to access reclamation sites, well sites, test plots, photo points, outcrops, stock tanks, fences, etc.

Cheers!
Kathy

Katherine Ann Arnold, P.E. | Director of Environmental and Regulatory Affairs
Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724
karnold@rosemontcopper.com



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From: Beverley Everson <beverson@fs.fed.us>

Date: Thu, 11 Feb 2010 18:42:08 -0600

To: Katherine Arnold <karnold@rosemontcopper.com>, Laura White <laurawhite@fs.fed.us>

Subject: map of roads proposed for decommissioning

Kathy, please see my last email. Laura White is working on this project, and can give you more information about the roads analysis. She can be reached at 388.8419. Bev

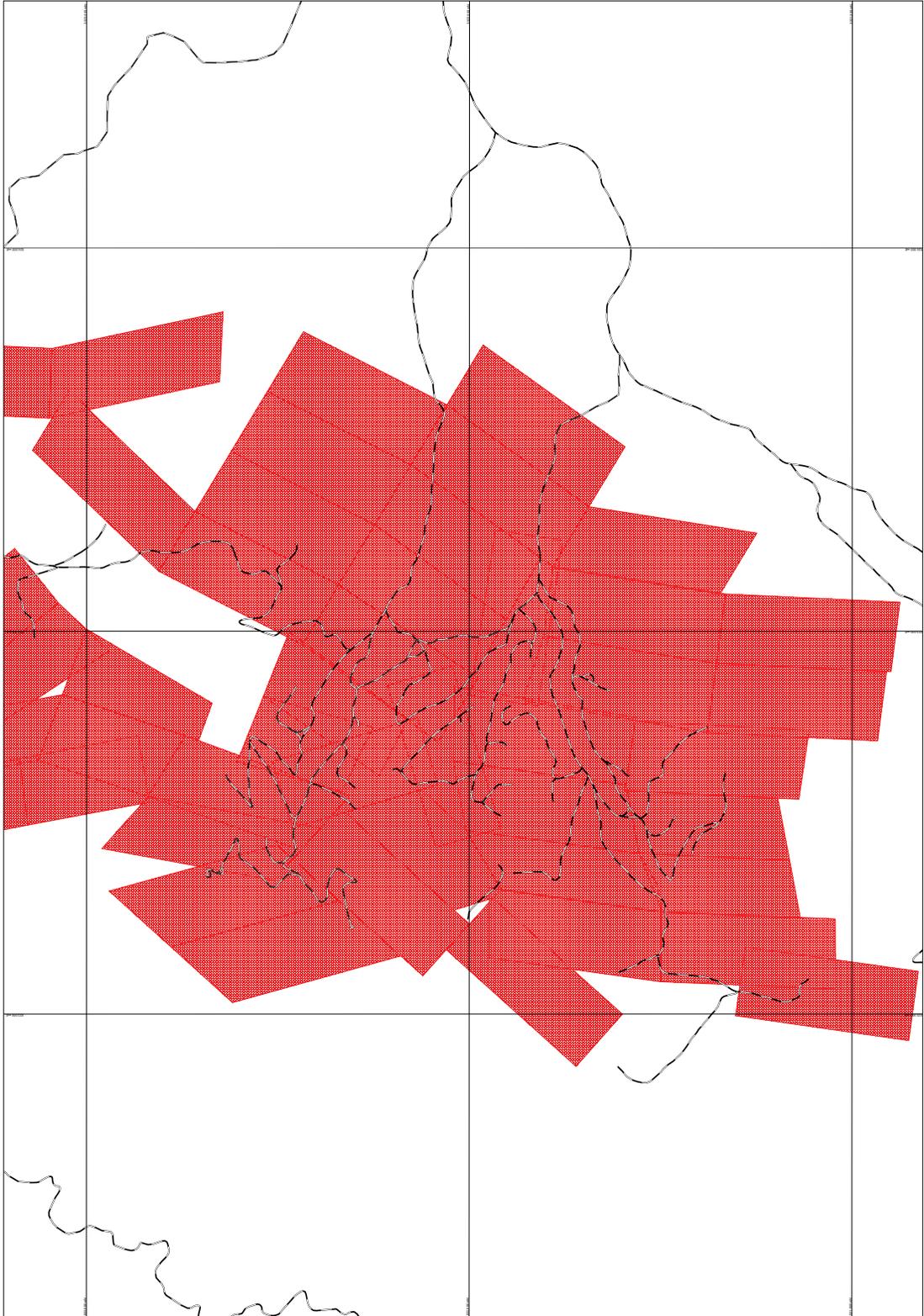
Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305



----- End of Forwarded Message Correct Map 1A.pdf Unauthorized Rosemont roads_2-9-10_.xls



Rosemont Copper Project Project Record Outline

[NOTE THE CATEGORY (from the list below) IN WHICH THIS ITEM SHOULD BE FILED]: 7h

1. Project Management

- a. Formal recommendations
- b. Formal meeting minutes & memos
- c. General Correspondence
- d. Third Party Mgmt (contracts, agreements, MOU)
- e. Other

2. Public Involvement

- a. Announcements & Public Meetings
- b. Mailing Lists
- c. Scoping Public Comments
- d. Scoping Reports
- e. DEIS Public Comments

3. Agency Consultation

- a. Army Corps of Engineers (404 permit)
- b. US Fish & Wildlife Service (Sec 7 T&E)
- c. State Historic Preservation Ofc (Sec 106)
- d. Tribes (Sec 106)
- e. Advisory Council on Historic Preservation (Sec 106)

4. Communication

- a. Congressional
- b. Cooperating Agencies
- c. Organizations
- d. Individuals
- e. FOIA
- f. Internal
- g. Proponent

5. Proposed Action

- a. Mine Plan (including compilation)

- b. Supporting Documents

6. Alternatives

- a. Cumulative Effects Catalog
- b. Connected Actions
- c. Dismissed from Detailed Analysis
- d. Considered for Detailed Analysis

7. Resource Reports

- a. Biodiversity
- b. Heritage
- c. Inventoried Roadless Areas
- d. Land Status & Special Uses
- e. Plants (TES & Invasive) & Vegetation
- f. Recreation & Roadless Areas
- g. Riparian
- h. Scenery
- i. Socioeconomics
- j. Soils & Geology
- k. Transportation
- l. Water
- m. Wildlife & TES Animals
- n. Air
- o. Noise & Vibration
- p. Facilities (Tails, designs, etc)
- q. Night Skies

8. DEIS

9. FEIS

10. Geospatial Analysis

11. FOIA Exempt Documents

12. ROD

DATE: February 17, 2010

TITLE/SUBJECT Correspondence between USFS and Rosemont

PUBLISHER/AGENCY NA (emails)

AUTHOR/CALLER Debby Kriegel

RECIPIENT/PERSON CALLED NA

SUMMARY Email correspondence between the USFS and Rosemont on a variety of visual quality topics. Note that the document "20100107_kriegel_request" has not been renamed"; it has been left with it's original name as an attachment to the 20100212 email.

PATHNAME

(Please name documents with "yyyymmdd_short_description". Please use lower-case letters and understandable abbreviations).

To: Kathy Arnold, Rosemont Copper
From: Debby Kriegel, Coronado National Forest, 388-8427
Date: January 7, 2010
Re: Information Request

The following information will be needed for visual quality and recreation analysis. Please call me if you have questions.

1. GIS layers for the new alternatives (revised Phased Tailings, and Barrel Only) with Z-values assigned to the contours and georeferences to their locations.
2. 3D model of the plant facilities and infrastructure locations (powerline, waterline easement, etc), with detail to the point that USFS and Rosemont can agree is sufficient for simulations. These need to be georeferenced as well.
4. Information on which plant buildings and facilities cannot be painted earthtones.
5. Contours: the best resolution of the existing landform topography that Tetra Tech has. Currently SWCA is currently working off of 10m DEMs.
6. Details about what mitigation lands and/or conservation easements would be offered by Rosemont (plat maps, easement language, and timeline).
7. Map or GIS point for Sentinal Peak (and recommendations for possible spur trail location, if available)
8. Information about the appearance of the outermost waste rock (sometimes referred to as "growth medium" or "topsoil") and visible back parts of the pit. This data will be necessary for both analysis of visual resources and for creating accurate simulations. Information needed:
 - The color range of the rock types that will comprise the outermost waste rock. This could be as simple as providing samples of the rock, identifying field sites where the material can be viewed (such as on the test plots), and photographs.
 - Desert varnish (Permeon and/or Natura) tests to determine application rates for the back of the pit, and outermost waste rock if it will be lighter than surrounding landscape colors. Representatives from both companies are in the Tucson area periodically. If Rosemont could provide locations to test the correct rock types (which should be newly excavated rock, not weathered locations), they are willing to travel to the site to test various application rates. The test areas do not need to be on test plots, and could be located on National Forest land if the rock type is correct.
 - Post-mine options for breaking up the uppermost horizontal benches in the back of the pit, or if this is not possible, a description of what natural failing might be expected over time. Depending on alternative, up to 20 benches would be visible from travelways, including Highway 83.
9. A study of establishing trees and shrubs on reclaimed slopes. The current research on seeding is an excellent start, but reclamation should also include trees and shrubs (and possibly cacti) in order to more quickly stabilize the slopes and meet visual quality goals. Coordination with U of A's Dr. Fehmi would be a good place to start, and perhaps he could recommend a consultant. The study would answer the following questions:
 - Which species and sizes of plants would be most successful on the outermost material? Native plants should be selected from those currently growing at the site, and would include salvage/transplants, seedlings, and/or container plants. Patterns of plants on the new slopes should mimic those of the surrounding landscape.

- Where can the needed plants be obtained in sizes and quantities that would likely be necessary? Options include salvaging from the site, purchasing from local nurseries, contracting propagation, or some combination. Landforming work and alternative selected will affect the exact quantities, but a rough examination of existing numbers of plants and species per acre in the area would provide a good starting point,. And I know of one local plant expert with a nursery who might be available to provide information on the success of propagating species not typically sold in nurseries and/or to could help propagate plants.
- If there are different suites of native plants best adapted to different "growth mediums", a plan should be developed to place that material/plant or seed those suites of vegetation to achieve targeted reveg and biology needs. Specifically this applies to Agave/bat concerns, but also to many plant species obligates. An example of how this could go wrong inadvertently would be that if a "growth medium" which is best for Agave survival is placed on slopes which are not conducive to Agave survival (north facing, south facing, whatever), we all would have missed a huge opportunity. At a later date, this information would be used to resolve what "growth medium" goes where--for visual and plant growth needs--solves problems for the proponent and the land manager.

Norene Norris

07/29/2008 Fw: Collection Agreement modification



Beverley A
Everson/R3/USDAFS
02/11/2008 08:58 PM

To jsturgess@augustaresource.com, Norene
Norris/R3/USDAFS@FSNOTES, David J
Evans/R3/USDAFS@FSNOTES

cc

bcc

Subject Fw: Collection Agreement modification

Jamie, will you confirm that the incorrect modification that we sent you has been destroyed? Thank you.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 02/11/2008 08:53 PM -----



Norene Norris/R3/USDAFS
02/11/2008 12:20 PM

To Beverley A Everson/R3/USDAFS@FSNOTES
cc David J Evans/R3/USDAFS@FSNOTES
Subject Re: Collection Agreement modification 

Can you get an e-mail statement from the cooperator, stating that they've destroyed the incorrect modification?

Norene (Don't Shoot Me, I'm Just the Piano Player) Norris,
Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

"Hope springs a kernel."
Denny Crane

Norene Norris

07/29/2008 Re: Collection Agreement modification



Norene Norris/R3/USDAFS
02/11/2008 12:20 PM

To Beverley A Everson/R3/USDAFS@FSNOTES
cc David J Evans/R3/USDAFS@FSNOTES
bcc Daniel Montez/R3/USDAFS@FSNOTES
Subject Re: Collection Agreement modification

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Norene (Don't Shoot Me, I'm Just the Piano Player) Norris,
Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

"Hope springs a kernel."
Denny Crane

Beverley A Everson/R3/USDAFS



Beverley A
Everson/R3/USDAFS
02/09/2008 02:19 PM

To Norene Norris/R3/USDAFS@FSNOTES
cc David J Evans/R3/USDAFS@FSNOTES
Subject Re: Collection Agreement modification

You've never told me that you needed to retrieve the incorrect modification. When the company asked me if they should destroy it I said yes.

I'm being pressed to provide a date for when the modification will be completed. Please give me a date.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

Norene Norris/R3/USDAFS



Norene Norris/R3/USDAFS

Norene Norris

07/29/2008 Re: Collection Agreement modification



02/08/2008 11:05 AM

To: Beverley A Everson/R3/USDAFS@FSNOTES
cc: David J Evans/R3/USDAFS@FSNOTES
Subject: Re: Collection Agreement modification

Rockin' right along!

How are you doing in your efforts to recover the incorrect (although signed by Jeanine) modification from the cooperator? I gather, from our conversation the other day, that Rosemont isn't willing to sign it, as it is currently worded. I'm uncomfortable with sending them an entirely different modification, without having the incorrect one returned, aren't you?

Norene (Don't Shoot Me, I'm Just the Piano Player) Norris,
Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

"Hope springs a kernel."
Denny Crane

Beverley A Everson/R3/USDAFS



Beverley A
Everson/R3/USDAFS
02/07/2008 10:15 AM

To: Norene Norris/R3/USDAFS@FSNOTES, David J
Evans/R3/USDAFS@FSNOTES
cc
Subject: Cost Recovery Agreement modification

Can you please tell me what the current status is?

Also, Norene, when the modification is completed and goes out to the company for signature, please send it FedEx rather than ordinary mail.

Thanks.

Bev

Beverley A. Everson
Forest Geologist

Norene Norris

07/29/2008

Re: Collection Agreement modification

Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305



United States
Department of
Agriculture

Forest
Service

Coronado National
Forest

300 W. Congress St.
Tucson, AZ 85701
(520) 388-8300
TDD (520) 388-8304
FAX (520) 388-8305

File Code: 6520

Date: January 7, 2009

Route To:

Subject: FY 2009 Allocation (03-05-27)

To: ALM Program Leader:

Your FY 2009 allocations are revised as follows:

Job Code	Project Name	Previous Allocation	This Allocation	Current Allocation
CWFS24	Rosemont Mine	\$76.8M	\$326.1M	\$402.9M

This allocation letter is for \$326,067 under agreement # 07CO110305-10-024, Augusta Resource Arizona Corp., for the Rosemont Mine project.

Please update your workplans accordingly.

If you have questions please contact David Evans at 388-8324.

/s/ JEANINE A. DERBY
JEANINE A. DERBY
Forest Supervisor

cc: Bev Everson

DMontez: 1/7/09



REIMBURSABLE OR ADVANCE COLLECTION AGREEMENT JOB CODE ASSIGNMENT

This serves as formal notification that the Albuquerque Service Center has received your signed agreement and spending is now authorized. This notice also verifies that budget authority is available.

Source: New Agreement Modification WorkPlan Recalculation of Available Amount

Type of Agreement: Advance Reimbursable Combination

Agreement Number(s)	Cooperator(s)	Total Agreement	Burden Amount	Net Available for Spending	Burden Rate	Expiration Date	Agreement Job Code Assigned*
07-CO-11030510-024	Augusta Resource Arizona Corp.						
<i>Rosemont Copper Project</i>							
Prior Amount		85,425.82	8,586.76	76,839.06	11.175%	12/31/2010	0305 CWFS2409
Paid Advance Bill		352,153.11	26,085.42	326,067.69	8.000%		
		0.00	0.00	0.00	0.000%		
		0.00	0.00	0.00	0.000%		
Total		437,578.93	34,672.18	402,906.75	8.606%		

Check all that apply:

Note 1: Authorized Amount is tentative based on initial calculation of carry over balances on multi-year agreement.
 Updated Job Code Assignment Notification will be issued if this amount changes

Note 2: Authorized Amount for spending must be obligated by _____ (enter date) because partner funding expires.

*Update WorkPlan for dollar amounts and to include agreement job code assigned. If project supports burden, update project job code to include burden. Place amount under OTHER RESOURCE TYPE - BURDEN in WorkPlan.

**Job Code balances shall be monitored using either WorkPlan expenditure reports or RACA Fund Control Report. RACA Fund Control Report is accessible via BRIO Managerial Reports or ASC Reports Dashboard, Specialized Reports

Project Manager: B Everson
 Location: 0305
 Phone Number: 520-388-8428

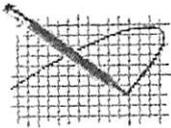
RACA Processor: Diana Forsberg
 Date Issued: 1-05-2009
 Phone Number: (877) 372-7248 opt 1 - raca

0305-07-CO-024

Norene Norris

12/10/2009

> Re: Bill for 07-CO-11030510-024



Diana L
Forsberg/WO/USDAFS
12/10/2009 11:54 AM

To Norene Norris/R3/USDAFS@FSNOTES
cc Melinda D Roth/R3/USDAFS@FSNOTES
bcc
Subject Re: Bill for 07-CO-11030510-024 

Norene:

Here is a copy of the new bill, and I will mail out a copy today. (I have cancelled the prior bill, and I am sorry for the confusion.)

Thank you.



BA RACAQA00178.pdf

Norene Norris/R3/USDAFS



Norene Norris/R3/USDAFS
12/09/2009 08:16 AM

To Melinda D Roth/R3/USDAFS@FSNOTES
cc "Beverley A Everson email" <beverson@fs.fed.us>,
jsturgess@augustaresource.com, "Reta Laford"
<rlaford@fs.fed.us>, "Roxane M Raley"
<rmraley@fs.fed.us>, Daniel
Montez/R3/USDAFS@FSNOTES
Subject Re: Bill for 07-CO-11030510-024 

I called the ASC this morning - the processor will cancel yesterday's bill & issue a new one in the amount of \$363,870.50 for the first 2 quarters of FY 2010. Quarterly bills in the amount of \$181,935.25 will be issued for the remainder of the year. Thanks!

Norene Norris, Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

"If you can't be a good example, then you'll
just have to be a horrible warning."
Catherine Aird

Melinda D Roth/R3/USDAFS



Melinda D
Roth/R3/USDAFS
12/08/2009 05:00 PM

To jsturgess@augustaresource.com
cc "Beverley A Everson email" <beverson@fs.fed.us>, "Reta Laford" <rlaford@fs.fed.us>, "Roxane M Raley" <rmraley@fs.fed.us>, Norene Norris/R3/USDAFS@FSNOTES
Subject Re: Bill for 07-CO-11030510-024

We could do that - all or in part. Some big expenses (personnel effort and document printing) will hit between now and the next billing. I'm a little worried we might cut things a little too tight if we apply the entire credit now.. I suggest we meet in the middle, reduce the current bill by 50% of the carry over amount. This equates to about \$60-65K. What do you think?

ps Is there a chance to meet this Friday to review the MOU modifications?

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

jsturgess@augustaresource.com



jsturgess@augustaresource.com
12/08/2009 02:06 PM
Please respond to
jsturgess@augustaresource.com

To "Mindee D Roth em" <mroth@fs.fed.us>
cc "Reta Laford" <rlaford@fs.fed.us>, "Roxane M Raley" <rmraley@fs.fed.us>, "Beverley A Everson email" <beverson@fs.fed.us>
Subject Re: Bill for 07-CO-11030510-024

Reta/ mindee:Can we have the carryover amount shown as an adjustment to the first half as a credit? Clean and easy Jamie

Sent from my Verizon Wireless BlackBerry

From: Melinda D Roth <mroth@fs.fed.us>

Norene Norris

12/10/2009

> Re: Bill for 07-CO-11030510-024

Date: Tue, 08 Dec 2009 12:06:41 -0700

To: <jsturgess@augustaresource.com>

Cc: Reta Laford<rlaford@fs.fed.us>; Roxane M Raley<rmraley@fs.fed.us>; Beverley A Everson<beverson@fs.fed.us>

Subject: Fw: Bill for 07-CO-11030510-024

Head's up for bill coming your way... The dollar amount represents 1/2 of the total and does not include any carryover amount. I am looking into how/when the carryover funds are factored into the bills.

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

----- Forwarded by Melinda D Roth/R3/USDAFS on 12/08/2009 12:01 PM -----

Norene Norris/R3/USDAFS

To Melinda D Roth/R3/USDAFS@FSNOTES

12/08/2009 10:33 AM

cc Reta Laford/R3/USDAFS@FSNOTES, Daniel Montez/R3/USDAFS@FSNOTES
Subject Fw: Bill for 07-CO-11030510-024

†

FYI

Norene Norris, Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

"If you can't be a good example, then you'll
just have to be a horrible warning."

Catherine Aird

----- Forwarded by Norene Norris/R3/USDAFS on 12/08/2009 10:32 AM -----

Diana L Forsberg/WO/USDAFS

To Norene Norris/R3/USDAFS@FSNOTES

12/08/2009 10:04 AM

cc
Subject Bill for 07-CO-11030510-024

Norene Norris

12/10/2009

> Re: Bill for 07-CO-11030510-024

Norene;

I am not sure if you need it, but here is a copy of the advance bill for the above agreement. It will go out in today's mail. Thanks.

Diana L. Forsberg - RACA Branch
ASC - USFS - Financial Analyst
Phone: 1-877-372-7248
Fax: 1-866-342-0713

Norene Norris

12/09/2009

Re: E... for 07-CO-11030510-024



Norene Norris/R3/USDAFS

12/09/2009 08:16 AM

To Melinda D Roth/R3/USDAFS@FSNOTES

cc "Beverley A Everson email" <beverson@fs.fed.us>, jsturgess@augustaresource.com, "Reta Laford" <rlaford@fs.fed.us>, "Roxane M Raley" <rmraley@fs.fed.us>

bcc Diana L Forsberg/WO/USDAFS@FSNOTES

Subject Re: Bill for 07-CO-11030510-024

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Catherine Aird

Melinda D Roth/R3/USDAFS



Melinda D

Roth/R3/USDAFS

12/08/2009 05:00 PM

To jsturgess@augustaresource.com

cc "Beverley A Everson email" <beverson@fs.fed.us>, "Reta Laford" <rlaford@fs.fed.us>, "Roxane M Raley" <rmraley@fs.fed.us>, Norene

Norris/R3/USDAFS@FSNOTES

Subject Re: Bill for 07-CO-11030510-024

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(520) 396-0715 (cell)

(520) 388-8305 (FAX)

jsturgess@augustaresource.com



jsturgess@augustaresource.com

12/08/2009 02:06 PM

Please respond to
jsturgess@augustaresource.com

To "Mindee D Roth em" <mroth@fs.fed.us>

cc "Reta Laford" <rlaford@fs.fed.us>, "Roxane M Raley" <rmraley@fs.fed.us>, "Beverley A Everson email" <beverson@fs.fed.us>

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From: Melinda D Roth <mroth@fs.fed.us>

Date: Tue, 08 Dec 2009 12:06:41 -0700

To: <jsturgess@augustaresource.com>

Cc: Reta Laford<rlaford@fs.fed.us>; Roxane M Raley<rmraley@fs.fed.us>; Beverley A Everson<beverson@fs.fed.us>

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----- Forwarded by Melinda D Roth/R3/USDAFS on 12/08/2009 12:01 PM -----

Norene Norris/R3/USDAFS

To Melinda D Roth/R3/USDAFS@FSNOTES

12/08/2009 10:33 AM

cc Reta Laford/R3/USDAFS@FSNOTES, Daniel Montez/R3/USDAFS@FSNOTES

Norene Norris

12/09/2009

Re: Bill for 07-CO-11030510-024

Subjec Fw: Bill for 07-CO-11030510-024

†

FYI

Norene Norris, Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

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Catherine Aird

----- Forwarded by Norene Norris/R3/USDAFS on 12/08/2009 10:32 AM -----

Diana L Forsberg/WO/USDAFS

To Norene Norris/R3/USDAFS@FSNOTES

cc

12/08/2009 10:04 AM

Subject Bill for 07-CO-11030510-024

Norene:

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Diana L. Forsberg - RACA Branch
ASC - USFS - Financial Analyst
Phone: 1-877-372-7248
Fax: 1-866-342-0713



Reimbursable Advance Collection Agreement Transmittal Form

Albuquerque Service Center (B&F)
(Reference FSH 6509.11k, Chapter 50)

For 1580 purview agreements; form to be completed via I-Web G&A Collections Request



Agreement Information

Forest Service Contact Information

1. FS agreement number **07CO11030510024**

11. Region and Unit number (RRUU) **0305**

2. Cooperator agreement number, project number or other identifying number pertinent to cooperator

12. Project Manager:
First name **BEVERLY**
Last name **EVERSON**

3. Purpose of transmittal (check one only)
 New Agreement
 Modification
 Roll Job Code to new year (not included in automated rollover)
 Closeout Request (Complete Blocks 1,2,3, 9 only & attach FS-6500-243)
 Other (explain)

Contact telephone number: **(520) 3888428**
(Include area code)

13. Grants and Agreements Specialist:
First name **NORENE**
Last name **NORRIS**
Contact telephone number: **(520) 388-8325**
(Include area code)

4. Expiration Date (Month/Day/Year) **12/31/2010**

14. Unit-level Budget contact:
First name **DAVID**
Last name **EVANS**
Contact telephone number: **(520) 3888324**
(Include area code)

5. For multi-year agreements, do agreement terms and/or annual operating plan clearly state the period of performance and identify any restrictions on annual spending?
Yes
No > Stop. Agreement must be modified to clearly state this information.

6. Is the decision whether or not to assess overhead documented within the terms of the agreement (ref. FSH 1909.13, Chapter 40)?
Yes
No > Stop. Agreement must be modified to address this decision.

7. If no overhead is to be assessed, check all applicable criteria below:
Identify which criteria of FSH 1909.13, Ch 40, Sec 40.61 is applicable:

- 1a. Cooperator is not federal agency under Economy Act and funds contribute toward accomplishment of FS goals & mutual benefit between FS & cooperator exists
 - 1b. Funds are obtained from a grant, donation, non-cash contribution, reimbursement for invitational travel, or pass-through funds that do not create significant additional indirect costs
- Note. Item 2 is not applicable to external cooperators and is excluded.

8. Optional field
A job code(s) will be assigned by ASC RACA to record project costs. Job code description appears on project management financial reports. If project manager has a preferred description to better identify project on job code listings or reports, enter below.
Job Code Description
Limit 25 Characters:

9. Required attachments:
Executed copy of agreement with AOP:
FS-6500-243:

10. Remarks: **PLEASE BILL COOPERATOR FOR FIRST 2 QUARTERS OF FY10 IMMEDIATELY - QUARTER**

Cooperator Contact Information

15. Cooperator name **AUGUSTA RESOURCE (ARIZONA) CORPORATION**

16. Cooperator Taxpayer Identification Number (TIN) **980487867**

17. Federal (non-USDA)
a. Agency Location Code (ALC)
b. Obligating Document *Call Diana Forsberg*
c. Treasury Symbol
18. USDA Agency
a. Common Agreement Number (CAN) *Bill for 1/2 year*
b. Obligating Document *Quarterly*
c. Treasury Symbol *the rest of 12/10/09*

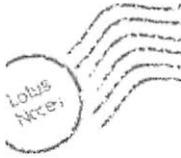
19. Cooperator administrator:
First name
Last name
Contact telephone number:
(include area code)
E-mail address



12/2/09

Norene Norris

02/11/2008 > Fw: Augusta -- Rosemont/USFS MOU



Beverley A
Everson/R3/USDAFS
01/24/2008 02:52 PM

To Andrea W Campbell/R3/USDAFS@FSNOTES, Norene
Norris/R3/USDAFS@FSNOTES

cc

bcc

Subject Fw: Augusta -- Rosemont/USFS MOU

Please look at the changes to Section B, paragraph one, on page two, a change the company's attorney made to the MOU. I tend to agree with the wording that they use, primarily the use of the word "authority" rather than "discretion", because its legally correct. We can and do modify an operation, but we don't have the discretion to deny it.

Do either of you disagree with this change?



Rosemont MOU -- Draft for Final Review (01-22-08).doc

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 01/24/2008 02:07 PM -----



"MARRA, MARC"
<MMARRA@FCLAW.COM>
01/23/2008 09:04 AM

To <beverson@fs.fed.us>

cc "Jamie Sturgess" <jsturgess@augustaresource.com>

Subject Augusta -- Rosemont/USFS MOU

Bev:

The draft Rosemont/USFS MOU, incorporating comments from Rosemont, is attached.

Jamie was hoping to get this to you in time for execution by Friday.

Marc

Marc A. Marra

Norene Norris

02/11/2008 > Fw: August -- Rosemont/USFS MOU

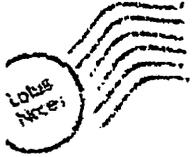
Fennemore Craig
3003 North Central Avenue, Suite 2600
Phoenix, Arizona 85012-2913
(602) 916-5000
(602) 916-5450 (direct)
(602) 916-5650 (fax)
mmarra@fclaw.com
www.fennemorecraig.com



Rosemont MOU -- Draft for Final Review (01-22-08).doc

Norene Norris

07/23/2008 > Rosemont FY 2008 AOP modification



Beverley A
Everson/R3/USDAFS
07/22/2008 06:36 PM

To Norene Norris/R3/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES
cc
bcc

Subject Rosemont FY 2008 AOP modification

Enclosed is my draft modified AOP for Rosemont for 2008. I am baffled as to how to adjust for the 8% overhead, and am leaving that part for you to fill out and adjust the total for. You will also need to edit collection agreement number.



Rosemont AOP_July2008.doc

Here is the AOP for FY 2009, with the same blanks for percent overhead and the total.



Rosemont AOP_FY2009.doc

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

Norene Norris

07/29/2008 Re: Cost Recovery Agreement modification



Norene Norris/R3/USDAFS
01/31/2008 01:08 PM

To: Beverley A Everson/R3/USDAFS@FSNOTES
cc
bcc: David J Evans/R3/USDAFS@FSNOTES; Daniel
Montez/R3/USDAFS@FSNOTES
Subject: Re: Cost Recovery Agreement modification 

Also, per our discussion, I'll need a revised Annual Operating Plan, clearly stating what is carryover, & what amount we're asking for to cover FY08 expenses.

Norene (Don't Shoot Me, I'm Just the Piano Player) Norris,
Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

"Hope springs a kernel."
Denny Crane

Beverley A Everson/R3/USDAFS



Beverley A
Everson/R3/USDAFS
01/28/2008 01:07 PM

To: Norene Norris/R3/USDAFS@FSNOTES
cc
Subject: Cost Recovery Agreement modification

Hi Norene,

As we discussed this morning, the modification should have shown the Coronado receiving \$240,000 per year from Rosemont Copper Company, which would include any carryover from the previous year. Thus, for this year, we're entitled the carryover from 2007, plus whatever additional amount makes a total of \$240,000 for FY 08. Also, the agreement should read that the company agrees to fund us for \$240,000 *per year*, not for the duration of the agreement.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Norene Norris

07/29/2008Re: Cost Recovery Agreement modification

Fax: 520-388-8305

Norene Norris

10/08/2009

> D. t - FY2010 Rosemont AOP



Melinda D
Roth/R3/USDAFS
09/17/2009 11:16 AM

To Norene Norris/R3/USDAFS@FSNOTES
cc Beverley A Everson/R3/USDAFS@FSNOTES
bcc
Subject Draft - FY2010 Rosemont AOP



Rosemont Copper Project FY 2010 Annual Operating Plan.docx

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

DRAFT Rosemont Copper Project FY 2010 Annual Operating Plan
October 1, 2009 – September 30, 2010 Collection Agreement #07-CO-11030510-24

Personnel Interdisciplinary Team Roles	Team Members (subject to change)	Amount
Forest and District Leadership, Decision-making, Process Mgmt, Tribal Consultation	Derby, Laford, Ellett	\$0
IDT Leader, Project Mgmt, Geology, Minerals Admin & Mining Law, Mining (Chemistry, Processes, Rock Stability/Fracture)	Everson	\$104,922
Communications, Website	Schewel, Schneider	\$36,850
Forest Planning, Project Mgmt, Cooperating Agency Coordination, NFMA Compliance, GIS	Ciapusci, Kaplan	\$29,832
Process Mgmt, Project Oversight, Quality Control	Roth	\$105,238
NEPA Mgmt, FOIA Administration, Environmental Justice	Campbell	\$18,640
Transportation, Engineering	Keyes	\$15,600
Hydrogeology (Groundwater), Hydrology (Surface Water), Soils	Shafiqullah	\$32,900
Recreation, Visual, Scenery (including Reclamation)	Kriegel	\$22,020
Social and Economic, Night Skies	Davis	\$23,640
Wildlife, Vegetation (including Reclamation), Riparian Habitat, Range	Sebesta, Jones	\$23,530
Fire, Public Uses	Elek, Lockwood	\$12,310
Access, Lands, Reality	Emmett	\$9,780
Air, Clean Water Act Compliance, Soils, Water Resources, Riparian	LeFevre	\$8,280
Mine Planning, Remediation, Hazardous Waste, Public Health & Safety, Noise	Curiel, Belauskas	\$33,440
Heritage, Tribal Consultation	Farrell, Gillespie, Leblanc	\$41,520
Admin Support	Raley	\$2,676
GS-13, 12 days	???	\$4,092
Brown, Quintana, Able, Schwab, Gerhart,	???	
TOTAL IDT Personnel		\$525,270.00

Fleet	Monthly FOR & Mileage	Amount
Vehicle Numbers 4661, 5707, 5964	7 months, 11,400 miles	\$4,770
TOTAL Fleet		\$4,770

Miscellaneous Expenses		Amount
Documents	DEIS, EIS, ROD Copies, Mailing, Notification	\$40,000
Website	Maintenance	\$14,000
Content Analysis	Receiving and Analyzing Public Comment	\$70,000
Personnel Support	Travel & Training	\$10,000
Miscellaneous	Supplies and Equipment	\$5,640
TOTAL Miscellaneous Expenses		\$139,640

USGS Inter-Agency Agreement	Description	Amount
	Annual Maintenance of 1 bridge-mounted stream gauge and 1 unmanned cableway	\$16,000
TOTAL USGS Inter-Agency Agreement		\$16,000

SUB-TOTAL ESTIMATED PROJECT EXPENSES	\$685,680
Personnel	\$525,270
Fleet	\$4,770
Miscellaneous Expenses	\$139,640
Inter-Agency Agreement	\$16,000
National Overhead Rate of 8%	\$54,855
TOTAL	\$740,535
FY2009 Carryover	\$/11111
BALANCE NEEDED FOR FY 2010	\$



USDA FOREST SERVICE
ALBUQUERQUE SERVICE CENTER
Reimbursable and Advance Collection Agreements (RACA)
101 B Sun Avenue NE, Albuquerque, NM 87109
Toll Free 1-877-372-7248
FAX: 1-866-342-0713

Please Deliver To:

Name: Norene Norris, Grants & Agreements **Date:** November 13, 2008

Organization: Coronado NF

Phone: 520.388.8325 **Fax:** 520.388.8331

Pages (including this Cover Sheet): 2

From:

Sender's Name: Diana Forsberg **RACA**

Sender's Phone: 1-877-372-7248 **Fax:** 1-866-342-0713

- Agreement Number _____
- Job Code _____
- Billing Number _____
- TROB _____
- Others: _____

Comments: Urgent For Review For Comment Please Reply Please Approve

Norene: Here you go. Sorry for the confusion.

On 2/25/09, Day & I talked to Diana Forberg, RACA processor, & provided the spreadsheet to her. 12

<u>What We Did</u>		<u>What Should Be</u>			
	Total	Project	Burden	Burden %	
FY07 Initial Need	\$240,000.00	\$212,389.38	\$27,610.62	13%	
FY07 Collection	\$240,000.00				\$212,389.38
					\$27,610.62
					\$240,000.00
FY08 Initial Need	\$294,181.00	\$272,390.00	\$21,791.00	8%	
FY07 Carryover	\$186,811.22				
FY08 Net Need	\$107,369.78				
FY08 Burden Error	\$8,589.60				
FY08 Bill	\$115,959.38				
					\$272,390.00
					\$21,791.00
					\$294,181.00
					\$211,096.68
					\$83,084.32
					\$83,084.32
					\$32,875.06
					\$294,181.00
					\$211,096.68
					\$83,084.32
					\$83,084.32
					\$32,875.06
FY09 Initial Need	\$726,522.48	\$672,706.00	\$53,816.48	8%	
FY08 Carryover	\$78,216.25				
FY09 Net Need	\$648,306.23				
FY09 Initial Bill	\$352,153.11				
FY09 Balance	\$296,153.12				
					\$672,706.00
					\$53,816.48
					\$726,522.48
					\$85,425.82
					\$641,096.66
					\$352,153.11
					\$288,943.55

$\div 2 = 144,471.78$

This will be the amount of the
 2 quarterly billings
 remaining in FY09

Norene Norris

07/28/2008 MOU correction should be to you this wee



Reta Laford/R3/USDAFS

06/11/2008 06:29 PM

To Norene Norris/R3/USDAFS@FSNOTES

cc

bcc

Subject MOU correction should be to you this week - Re: Last Week's Conversation 

Your memory is great. I have been working with Andrea for the exact text replacement. I should have it to you this week.

Reta Laford, Deputy Forest Supervisor

USDA Forest Service, Coronado National Forest
300 W Congress Street, Tucson, AZ 85701

Phone: 520-388-8307 (office), 505-452-7557 (cell)

Fax: 520-388-8305

Email: rlaford@fs.fed.us

Norene Norris/R3/USDAFS



Norene Norris/R3/USDAFS

06/11/2008 04:43 PM

To Reta Laford/R3/USDAFS@FSNOTES

cc

Subject Last Week's Conversation

Hi, Reta! I'm just following up on our conversation of last week about requesting a modification to the Augusta Resource/Rosemont Copper MOU. If I remember correctly, I asked for an e-mail message requesting the mod, with the exact wording for it. I just wanted to check my memory (maybe that's not what we talked about at all), because I haven't received any messages about it. Thanks!

Norene Norris, Grants & Agreements Coordinator

Coronado NF

Phone: 520.388.8325

Fax: 520.388.8331

E-Mail: nnorris@fs.fed.us

When you're up to your fanny in alligators,
it's difficult to remind yourself that
your initial objective was to drain the swamp.



United States
Department of
Agriculture

Forest
Service

Coronado National
Forest

300 W. Congress St.
Tucson, AZ 85701
(520) 388-8300
TDD (520) 388-8304
FAX (520) 388-8305

File Code: 6520

Date: July 9, 2010

Route To:

Subject: FY 2010 Allocation (03-05-46)

To: Engineering/Minerals Program Leader:

Your FY 2010 allocations are revised as follows:

Job Code	Project Name	Previous Allocation	This Allocation	Current Allocation
CWFS24	Rosemont Mine	\$446.6M	\$202.8M	\$649.4M

This allocation letter is for \$202,858 under agreement # 07CO110305-10-024, Augusta Resource Arizona Corp., for the Rosemont Mine project.

Please update your workplans accordingly.

If you have questions please contact David Evans at 388-8324.

/s/ RETA LAFORD
RETA LAFORD
Acting Forest Supervisor

cc: Bev Everson

DEvans: 07/09/10





United States
Department of
Agriculture

Forest
Service

Coronado National Forest

300 W. Congress
Tucson, Arizona 85701
Phone (520) 388-8300
FAX (520) 388-8305

File Code: 1580

Date: October 7, 2008

Rosemont Copper Company
ATTN: Sherry Varecka
4500 Cherry Creek South Drive, Suite 1040
Denver CO 80246

Ref: Modification No. 01 to Memorandum, of Understanding, 08-MU-11030510-010

Dear Ms. Varecka:

Enclosed is a fully executed copy of the referenced modification.

Please call me at 520.388.8325 if you have any questions. Thank you for your cooperation.

Sincerely,

NORENE NORRIS
Grants & Agreements Coordinator

Enclosure



Norene Norris

02/15/2008 > Re: Fw: Augusta -- Rosemont/USFS MOU



Andrea W
Campbell/R3/USDAFS
01/24/2008 05:24 PM

To: Beverley A Everson/R3/USDAFS@FSNOTES
cc: Norene Norris/R3/USDAFS@FSNOTES
bcc:
Subject: Re: Fw: Augusta -- Rosemont/USFS MOU 

Recommended change to 1st paragraph under B. in MOU:

The Forest Service has the authority to approve the Proponent's proposal, either as currently defined in the MPO, or as otherwise defined during the NEPA review to mitigate or avoid significant adverse environmental impacts. Before a decision to approve the proposal is made, the Forest Service must comply with the NEPA; the National Forest Management Act of 1976; other environmental statutes, regulations, and Executive Orders; and Forest Service Manual and Handbook direction regarding NEPA and minerals management on NFS land (collectively, these are referred to henceforth in this MOU as applicable legal requirements).

Your thoughts?

-----Beverley A Everson/R3/USDAFS wrote: -----

To: Andrea W Campbell/R3/USDAFS@FSNOTES, Norene Norris/R3/USDAFS@FSNOTES
From: Beverley A Everson/R3/USDAFS
Date: 01/24/2008 02:52PM
Subject: Fw: Augusta -- Rosemont/USFS MOU

Please look at the changes to Section B, paragraph one, on page two, a change the company's attorney made to the MOU. I tend to agree with the wording that they use, primarily the use of the word "authority" rather than "discretion", because its legally correct. We can and do modify an operation, but we don't have the discretion to deny it.

Do either of you disagree with this change?

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Norene Norris

02/15/2008 > Re: Fw: Augusta -- Rosemont/USFS MOU

Voice: 520-388-8428

Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 01/24/2008 02:07 PM -----

"MARRA, MARC" <MMARRA@FCLAW.COM>
01/23/2008 09:04 AM

To
<beverson@fs.fed.us>

cc
"Jamie Sturgess" <jsturgess@augustaresource.com>

Subject
Augusta -- Rosemont/USFS MOU

Bev:

The draft Rosemont/USFS MOU, incorporating comments from Rosemont, is attached.

Jamie was hoping to get this to you in time for execution by Friday.

Marc

Marc A. Marra
Fennemore Craig
3003 North Central Avenue, Suite 2600
Phoenix, Arizona 85012-2913
(602) 916-5000
(602) 916-5450 (direct)
(602) 916-5650 (fax)
mmarra@fclaw.com
www.fennemorecraig.com



- Rosemont MOU -- Draft for Final Review (01-22-08).doc



- ATTDNWYD

Norene Norris

02/15/2008 > Re: Rosemont Comments on Rosemont/U



Andrea W
Campbell/R3/USDAFS
01/24/2008 05:26 PM

To: Norene Norris/R3/USDAFS@FSNOTES
cc
bcc
Subject: Re: Rosemont Comments on Rosemont/USFS MOU 

okey dokey.....see my next message for the suggested rewrite.
does the weather suk in SD?

-----Norene Norris/R3/USDAFS wrote: -----

To: Andrea W Campbell/R3/USDAFS@FSNOTES
From: Norene Norris/R3/USDAFS
Date: 01/24/2008 05:23PM
cc: Beverley A Everson/R3/USDAFS@FSNOTES
Subject: Re: Rosemont Comments on Rosemont/USFS MOU

I defer to your judgement on this, Andrea. Onward!

Norene (Don't Shoot Me, I'm Just the Piano Player) Norris,
Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

"Hope springs a kernel."
Denny Crane

Andrea W Campbell/R3/USDAFS

Andrea W Campbell/R3/USDAFS
01/24/2008 05:07 PM

To
Beverley A Everson/R3/USDAFS@FSNOTES

cc
Norene Norris/R3/USDAFS@FSNOTES

Subject

Rosemont Comments on Rosemont/USFS MOU

Bev and Norene,

I am not comfortable with the language in the first paragraph of this section

I believe it originated in the template that Norene provided

However, as written, it implies that we alone have the authority to approve the proposal. We do not.

In a Record of Decision, Jeanine will identify the USFS preferred alternative and will provide the rationale for its selection.

Additionally, BLM will issue a Record of Decision about the proposed action(s) that would affect land under its jurisdiction.

In other words, we have a situation analogous to the TEP power line project. DOE has a decision, USFS has a decision and BLM has a decision, all of which must be in synchrony for TEP to implement the project according to its proposal.

I would like to discuss this paragraph in the meeting w/ Rosemont tomorrow, unless we resolve it among ourselves prior to meeting.

I'll have some other text crafted tomorrow to discuss with you.

a

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To: Andrea W Campbell/R3/USDAFS@FSNOTES, Norene Norris/R3/USDAFS@FSNOTES

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Norene Norris

02/15/2008 > Re: Rosemont Comments on Rosemont/U

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Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

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01/23/2008 09:04 AM

To
<beverson@fs.fed.us>

cc
"Jamie Sturgess" <jsturgess@augustaresource.com>

Subject
Augusta -- Rosemont/USFS MOU

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Marc A. Marra
Fennemore Craig
3003 North Central Avenue, Suite 2600

Norene Norris

02/15/2008 > Re: Rosemont Comments on Rosemont/U

Phoenix, Arizona 85012-2913

(602) 916-5000

(602) 916-5450 (direct)

(602) 916-5650 (fax)

mmarra@fclaw.com

www.fennemorecraig.com



- Rosemont MOU -- Draft for Final Review (01-22-08).doc



- ATTDNWYD

Norene Norris

02/15/2008 > Rosemont Comments on Rosemont/USFS



Andrea W
Campbell/R3/USDAFS
01/24/2008 05:07 PM

To: Beverley A Everson/R3/USDAFS@FSNOTES
cc: Norene Norris/R3/USDAFS@FSNOTES
bcc:
Subject: Rosemont Comments on Rosemont/USFS MOU 

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Norene Norris

02/15/2008> Rosemont Comments on Rosemont/USFS

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Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

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cc
"Jamie Sturgess" <jsturgess@augustaresource.com>

Subject
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Marc A. Marra
Fennemore Craig
3003 North Central Avenue, Suite 2600

Norene Norris

02/15/2008 > Rosemont Comments on Rosemont/USFS

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mmarra@fclaw.com

www.fennemorecraig.com



- Rosemont MOU -- Draft for Final Review (01-22-08).doc



- ATTDNWYD

Norene Norris

02/14/2008

> Rosemont MoU



"Norene Norris"
<non2@cox.net>

01/16/2008 01:40 PM

To <awcampbell@fs.fed.us>, <beverson@fs.fed.us>

cc

bcc

Subject Rosemont MoU

Here it is. Looks great - thanks for the good work Andrea! I have highlighted (in pink) a couple of places where the words were beginning to sound like reggae music :) I also wondered about Public Law 19-90. Is that right for a law passed in 1969? It's probably right - just wondered.

The name, title, address, etc. on page 10, highlighted in yellow, still needs that information filled in.

I filled in the info for Jeanine & me, but I don't know the name of the signatory for Rosemont.

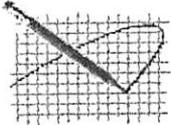
I have to leave right now for my doctor appointment. Please reply to this (home) e-mail if there's more I can do from here. Thanks!



2008_Rosemont_MOUandrea.rtf.doc

Norene Norris

03/04/2009 > Re: Bill for Agreement 07-CO-1103051

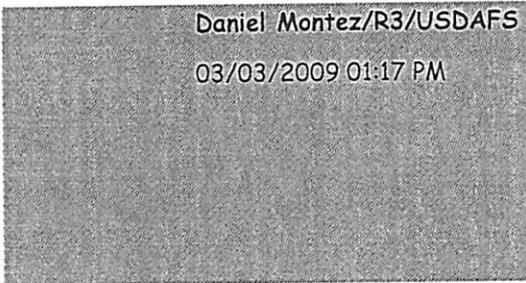


Diana L
Forsberg/WO/USDAFS
03/03/2009 02:10 PM

To Daniel Montez/R3/USDAFS@FSNOTES
cc Norene Norris/R3/USDAFS@FSNOTES
bcc
Subject Re: Bill for Agreement 07-CO-11030510-024 (Rosemont SPD) 

Ok, thank you. I will mail out the bill.

Daniel Montez/R3/USDAFS

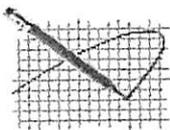


Daniel Montez/R3/USDAFS
03/03/2009 01:17 PM

To Diana L Forsberg/WO/USDAFS@FSNOTES
cc Norene Norris/R3/USDAFS@FSNOTES
Subject Re: Bill for Agreement 07-CO-11030510-024 (Rosemont SPD) 

This is correct. Please mail it out today. Thanks.

Daniel R. Montez
Budget Officer
Coronado National Forest
(520) 388-8323 Office
(520) 820-2545 Cell
(520) 388-8331 FAX
dmontez@fs.fed.us
Diana L Forsberg/WO/USDAFS



Diana L
Forsberg/WO/USDAFS
03/03/2009 11:03 AM

To Daniel Montez/R3/USDAFS@FSNOTES, Norene
Norris/R3/USDAFS@FSNOTES
cc
Subject Bill for Agreement 07-CO-11030510-024 (Rosemont SPD) 

Hello Dan & Norene:

Please let me know if this bill is what you need. If so, I will mail it out today. Thanks

Norene Norris

03/04/2009 > Re: Bill for Agreement 07-CO-1103051



bill.pdf

Daniel Montez/R3/USDAFS

Daniel Montez/R3/USDAFS

02/25/2009 01:50 PM

To Diana L Forsberg/WO/USDAFS@FSNOTES

cc

Subject Rosemont SPD

Daniel R. Montez
Budget Officer
Coronado National Forest
(520) 388-8323 Office
(520) 820-2545 Cell
(520) 388-8331 FAX
dmontez@fs.fed.us

Norene Norris

07/17/2008 > Fw: Mod. 01 to Collection Agreement, C



Norene Norris/R3/USDAFS
06/03/2008 03:26 PM

To: Beverley A Everson/R3/USDAFS@FSNOTES
cc
bcc: David J Evans/R3/USDAFS@FSNOTES; Daniel
Montez/R3/USDAFS@FSNOTES
Subject: Fw: Mod. 01 to Collection Agreement,
07-CO-11030510-024

Here's the last communication we had about the FY08 modification to your collection agreement.

Norene Norris, Grants & Agreements Coordinator
Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

When you're up to your fanny in alligators,
it's difficult to remind yourself that
your initial objective was to drain the swamp.

----- Forwarded by Norene Norris/R3/USDAFS on 06/03/2008 03:26 PM -----



Norene Norris/R3/USDAFS
04/02/2008 08:34 AM

To: Beverley A Everson/R3/USDAFS
cc: Reta Laford/R3/USDAFS@FSNOTES
Subject: Re: Fw: Mod. 01 to Collection Agreement,
07-CO-11030510-024 

Hi, Bev! OK, I've re-worked the AOP, as relates to the new CY08 overhead rate of 8%. The good news is that you have an additional \$9,832 to "put on the ground". As you'll see, the line items you've previously identified don't total \$240,000, so you'll need to add the \$9,832 in somewhere, to bring the total up to \$240,000. It's unfortunate we have to do this again, but for \$9,832, it's probably worth it, right? Don't worry about how the overhead is calculated - all you have to do is arrive at a total of \$240,000. I'm in Flag for training tomorrow, but will be back on Friday.



2008_Rosemont_Mod01.doc



2008_Rosemont_AOP.doc

Norene Norris, Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

"Let us dare to read, think, speak, & write."

Norene Norris

07/17/2008 > Fw: Mod. 01 to Collection Agreement, (

John Adams, 1765

Beverley A Everson/R3/USDAFS



Beverley A
Everson/R3/USDAFS
03/24/2008 10:44 PM

To Norene Norris/R3/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES

cc

Subject Re: Fw: Mod. 01 to Collection Agreement,
07-CO-11030510-024 

Hi Norene,

This is what I was looking for, and the FOP is what I had sent you so it should be correct. (I will forward that to you also, Reta).

Stay tuned, however, as we may be making more changes to the Agreement, to add another hydrologist to the team.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

Norene Norris/R3/USDAFS



Norene Norris/R3/USDAFS

03/05/2008 03:23 PM

To Beverley A Everson/R3/USDAFS@FSNOTES

cc

Subject Fw: Mod. 01 to Collection Agreement,
07-CO-11030510-024

Have you had a chance to look at the mod yet?

Norene Norris, Grants & Agreements, Coronado NF

Norene Norris

07/17/2008 > Fw: Mod. 01 to Collection Agreement, (

Phone: 520.388.8325

Fax: 520.388.8331

E-Mail: nnorris@fs.fed.us

"Let us dare to read, think, speak, & write."

John Adams, 1765

----- Forwarded by Norene Norris/R3/USDAFS on 03/05/2008 03:22 PM -----



Norene

Norris/R3/USDAFS

02/12/2008 12:57 PM

To Beverley A Everson/R3/USDAFS

cc

Subject Mod. 01 to Collection Agreement, 07-CO-11030510-024

Here's the current iteration of the modification. Please approve, or suggest changes, before I send it to Rosemont. Thanks!

[attachment "2008_Rosemont_Mod01.doc" deleted by Norene Norris/R3/USDAFS]

Norene (Don't Shoot Me, I'm Just the Piano Player) Norris,

Grants & Agreements, Coronado NF

Phone: 520.388.8325

Fax: 520.388.8331

E-Mail: nnorris@fs.fed.us

"Hope springs a kernel."

Denny Crane

Norene Norris

07/28/2008

> Rosemont MoU Mod Template



Norene Norris/R3/USDAFS
07/28/2008 09:34 AM

To Beverley A Everson/R3/USDAFS@FSNOTES
cc
bcc
Subject Rosemont MoU Mod Template



Mod_Template_MyEdits.doc

Norene Norris, Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

Live your life in such a way that
when your feet hit the floor in the
morning, Satan shudders and says
"OH RATS... SHE'S AWAKE"!

Norene Norris

12/16/2008 Scheduling change - Re: Rosemont Mod ac



Reta Laford/R3/USDAFS

12/15/2008 04:49 PM

To Norene Norris/R3/USDAFS@FSNOTES

cc Reta Laford/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES, Teresa Ann
Ciapusci/R3/USDAFS@FSNOTES, John
Able/R3/USDAFS@FSNOTES

bcc

Subject Scheduling change - Re: Rosemont Mod additions. . . 

Norene - Change of scheduling plans. . . Since the below proposed changes are in reference to printing and distributing the DEIS, which is not scheduled until the Fall of November 2009, we will wait to combine them with any other subsequently identified modifications at a later date. So for now, no action is required. Thanks.

John / Bev / Teresa Ann - See above note. For the time being, we can effectively proceed with the MOU currently in place. As the project progresses, please notes other essential modification needs for consideration into a future comprehensive modification. Thanks.

Reta Laford, Deputy Forest Supervisor

USDA Forest Service, Coronado National Forest
300 W Congress Street, Tucson, AZ 85701

Phone: 520-388-8307 (office), 505-452-7557 (cell)
Fax: 520-388-8305
Email: rlaford@fs.fed.us

Reta Laford/R3/USDAFS



Reta Laford/R3/USDAFS

12/15/2008 02:12 PM

To Norene Norris/R3/USDAFS@FSNOTES

cc Reta Laford/R3/USDAFS@FSNOTES

Subject Rosemont Mod additions. . .

Norene, apologies this is so late. Might you be able to incorporate these into the Rosemont Mod? Jamie Sturgess is now planning on being here at 1:00 tomorrow. I'll stop in after Dan is through with me. Thanks!

Item D 16: Add to the end of the sentence ", excluding the DEIS and FEIS which must be distributed through the Forest Service Regional Office."

Item E 8: delete "; and the EIS itself"

Attachment 1, Item I 9: Add to the end of the sentence ", excluding the DEIS and FEIS which must be distributed through the Forest Service Regional Office."

Attachment 1, I C (NEPA Review), 8: Strike requirement to copy and distribute the DEIS for public review.

Attachment I, Item II: Reword to "... delivered as attachments in the MS Word software version dictated by the Forest either by electronic mail..."

Attachment I, Item II Deliverables Table: Add "Camera Ready" in front of "Draft EIS for public review" and "Final EIS".

Reta Laford, Deputy Forest Supervisor

USDA Forest Service, Coronado National Forest
300 W Congress Street, Tucson, AZ 85701

Phone: 520-388-8307 (office), 505-452-7557 (cell)

Fax: 520-388-8305

Email: rlaford@fs.fed.us



United States
Department of
Agriculture

Forest
Service

Coronado National
Forest

300 W. Congress St.
Tucson, AZ 85701
(520) 388-8300
TDD (520) 388-8304
FAX (520) 388-8305

File Code: 6520
Route To:

Date: July 7, 2010

Subject: FY 2010 Allocation (03-05-45)

To: Engineering/Minerals Program Leader:

Your FY 2010 allocations are revised as follows:

Job Code	Project Name	Previous Allocation	This Allocation	Current Allocation
CWFS24	Rosemont Mine	\$455.6M	<\$9.0M>	\$446.6M

This de-allocation letter is for \$9,000 under agreement # 07CO110305-10-024, Augusta Resource Arizona Corp., for the Rosemont Mine project. The reason for this reduction in funds is because of the correction to Pay Period 20 salary charges processed by NFC.

Please update your workplans accordingly.

If you have questions please contact David Evans at 388-8324.

/s/ **RETA LAFORD**
RETA LAFORD
Acting Forest Supervisor

cc: Bev Everson

DEvans: 07/07/10



Norene Norris

07/29/2008

Fw: Latest Iteration of FY08 FOP



Norene Norris/R3/USDAFS
03/05/2008 03:24 PM

To: Beverley A Everson/R3/USDAFS@FSNOTES
cc:
bcc: Daniel Montez/R3/USDAFS@FSNOTES; David J
Evans/R3/USDAFS@FSNOTES; Paula
Medlock/R3/USDAFS@FSNOTES
Subject: Fw: Latest Iteration of FY08 FOP

Oh, yes, & have you also had a chance to approve the Financial & Operating Plan?

Norene Norris, Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

"Let us dare to read, think, speak, & write."
John Adams, 1765

----- Forwarded by Norene Norris/R3/USDAFS on 03/05/2008 03:23 PM -----



Norene Norris/R3/USDAFS
02/13/2008 11:15 AM

To: Beverley A Everson/R3/USDAFS
cc:
Subject: Latest Iteration of FY08 FOP

Please also approve the latest iteration of the FOP. You had not addressed overhead on the current year collection amount, so I calculated it & subtracted it from the amount we intend to collect.
Thanks!

[attachment "2008_Rosemont_AOP.doc" deleted by Norene Norris/R3/USDAFS]

Norene (Don't Shoot Me, I'm Just the Piano Player) Norris,
Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

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Denny Crane



United States
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Forest
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Coronado National Forest

300 W. Congress
Tucson, Arizona 85701
Phone (520) 388-8300
FAX (520) 388-8305

File Code: 1580

Date: April 28, 2010

Rosemont Copper Company
ATTN: Sherry Varecka
4500 Cherry Creek South Drive, Suite 1040
Denver CO 80246

Ref: Modification No. 06 to Memorandum of Understanding, 07-MU-11030510-010

Dear Ms. Varecka:

Enclosed are two copies of the referenced modification. Please obtain the necessary signatures, and return both copies to my attention at the above address. Upon execution of the modification, I will return your copy to you.

Please call me at 520.388.8310 if you have any questions. Thank you for your cooperation.

Sincerely,

ANDREA SEPULVEDA
Grants & Agreements Coordinator

Enclosure (2)

*Hand carried
by Mindy.*



It's Cool to Be Safe

Printed on Recycled Paper



FASCIMILE



Budget and Finance
Coronado National Forest
300 West Congress
Tucson, AZ 85701
Fax: 520-388-8331

Date: 3/31/08

Recipient:

Name: Rufus Cole/Roberta Buskirk

Phone: _____

Fax: 505.842.3111

Sender:

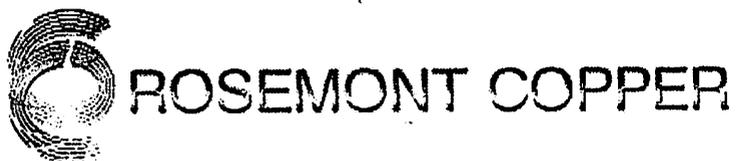
Name: Norene Norris

Phone: 520, 388, 8325

Number of pages (including cover sheet): 26

Message (optional):

Augusta Resource/Rosemont Copper agreements
#07-CO-11030510-024 & #08-MU-11030510-010



DENVER OFFICE
4500 Cherry Creek South Drive - Suite 1040
Denver, Colorado 80246 USA

TEL: (303) 300 0134
FAX: (303) 300 0135
CORPORATE WEB: www.augustaresource.com
PROJECT WEB: www.rosemontcopper.com

November 19, 2009

Jeanine Derby
USFS
300 West Congress
Tucson, AZ 85701

Dear Ms. Derby:

Enclosed please find Modification No. 3 to Collection Agreement No. 07-CO-11030510-024. I have signed both copies of the agreement. After your signature is added, please return one fully executed copy to Rosemont for our files. Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "Jamie Sturgess". The signature is fluid and cursive, with the first name "Jamie" written in a larger, more prominent script than the last name "Sturgess".

Jamie Sturgess
Vice President Sustainable Development

Enclosures (2)

Norene Norris

11/04/2008 Re: Creation of Instruments for Rosemont

Kendra L
Bourgart/WO/USDAFS
10/31/2008 08:28 AM

To Norene Norris/R3/USDAFS@FSNOTES
cc
bcc
Subject Re: Creation of Instruments for Rosemont Bill for
Collection 

Thank you for all the docuemnts you sent in 3 e-mails. I'm leaving for the field right now, but can talk to you on Monday! Thank you!

Norene Norris/R3/USDAFS



Norene Norris/R3/USDAFS
10/30/2008 04:03 PM

To Kendra L Bourgart/WO/USDAFS@FSNOTES
cc Beverley A Everson/R3/USDAFS@FSNOTES, Daniel
Montez/R3/USDAFS@FSNOTES, David J
Evans/R3/USDAFS@FSNOTES, Kendra L
Bourgart/WO/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES
Subject Re: Creation of Instruments for Rosemont Bill for
Collection 

I'm available, except for a conference call in the early afternoon Tuesday.

Norene Norris, Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

"One consolation about memory loss in old age is
that you also forget a lot of things you
didn't intend to remember in the first place."

George Carlin

(That's my story and I'm stickin' to it!)

Kendra L Bourgart/WO/USDAFS

Kendra L
Bourgart/WO/USDAFS
10/30/2008 03:30 PM

To Norene Norris/R3/USDAFS@FSNOTES, Daniel
Montez/R3/USDAFS@FSNOTES, David J
Evans/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES
cc Reta Laford/R3/USDAFS@FSNOTES, Kendra L

Norene Norris

11/04/2008Re: Creation of Instruments for Rosemont

Bourgart/WO/USDAFS@FSNOTES
Subject: Creation of Instruments for Rosemont Bill for Collection

Greetings!

David, You are included in this e-mail because Dan Montez is out of the office.

I have been asked to support each of you during the process of creating the necessary documentation and instruments to collect money from Rosemont Copper Company for expenses related to FY08 collection agreements, FY09 forest program of work, and the USGS stream gauge project. I understand this is a complex process that may require multiple instruments.

It is Bev's desire that the instruments be ready for signature for a 1 pm meeting with the proponent on Tuesday, November 4.

I'll share my availability:

Thursday, Oct. 30 I leave the office at 3:15 pm

Friday, Oct. 31 I am working in the field all day and am not available for this project

Saturday, Nov. 1 I am available by cell phone at 559-920-9113

Sunday, Nov. 2 I am driving to Tucson

Monday Nov. 3 I am in the SO all day to focus on this project

Tuesday Nov. 4 I am in the office all morning to focus on this project

Norene and David, Will you be able to work on this on Monday and Tuesday morning with me? If so, I would greatly appreciate it!

Thank you, Kendra

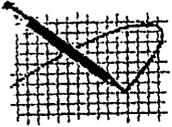
Kendra L. Bourgart
USDA Forest Service
E-mail: klbourgart@fs.fed.us
Cell: 559-920-6113

Prescott Office:
Prescott National Forest
500 US Highway 89 North, Bldg 70
PO Box 9115
Prescott, AZ 86313
Desk: 928-443-8271
Fax: 928-443-8208 (call to confirm receipt)

Tucson Office:
Coronado National Forest
300 West Congress
Tucson, AZ 85701-0003
Desk: 520-388-8390
Fax: 520-388-8305

Norene Norris

12/10/2008 > Revised Job Code Notification for Agreement



Diana L
Forsberg/WO/USDAFS

12/01/2008 09:59 AM

To: Beverley A Everson/R3/USDAFS@FSNOTES, Norene
Norris/R3/USDAFS@FSNOTES, David J
Evans/R3/USDAFS@FSNOTES

cc

bcc

Subject: Revised Job Code Notification for Agreement
07-CO-11030510-024

Hello:

Attached is a revised job code notification for the above agreement. Some additional expenses had hit the 08 job code after the initial job code notification was emailed out, resulting in less to roll forward.

Thank you.

Diana L. Forsberg - RACA Branch
ASC - USFS - Financial Analyst
Phone: 1-877-372-7248
Fax: 1-866-342-0713



Job Code Sheet 07-CO-11030510-024 revised.xls



Reimbursable : Advance Collection Agreement Transmittal Form

Albuquerque Service Center (B&F)
(Reference FSH 6509.11k, Chapter 50)



For 1580 purview agreements; form to be completed via I-Web G&A Collections Request

Agreement Information

- 1. FS agreement number: 07CO11030510024
2. Cooperator agreement number, project number or other identifying number pertinent to cooperator:
3. Purpose of transmittal (check one only):
- New agreement
- [X] Modification
- WorkPlan to request job code in new year of multi-year agreement
- Closeout Request (Complete Blocks 1,2,3 only & attach FS 6500-243)
- Other (explain)
4. Expiration Date (Month/Day/Year): 12/31/2010
5. For multi-year agreements, do agreement terms and/or annual operating plan clearly state the period of performance and identify any restrictions on annual spending?
Yes [X]
No [] > Stop. Agreement must be modified to clearly state this information.
6. Is the decision whether or not to assess overhead documented within the terms of the agreement (ref. FSH 1909.13, Chapter 40)?
Yes [X]
No [] > Stop. Agreement must be modified to address this decision.
7. If no overhead is to be assessed, check all applicable criteria below:
Identify which criteria of FSH 1909.13, Ch 40, Sec 40.61 is applicable:
- [] 1a. Cooperator is not federal agency under Economy Act and funds contribute toward accomplishment of FS goals & mutual benefit between FS & cooperator exists.
- [] 1b. Funds are obtained from a grant, donation, non-cash contribution, reimbursement for invitational travel, or pass-through funds that do not create significant additional indirect costs.
Note: Item 2 is not applicable to external cooperators and is excluded.
8. Optional field
A job code(s) will be assigned by ASC RACA to record project costs. Job code description appears on project management financial reports. If project manager has a preferred description to better identify project on job code listings or reports, enter below.
Job Code Description:
Limit 25 Characters:
9. Required attachments:
Executed copy of agreement with AOP: []
WorkPlan screen print: []
I-Web screen print: []

Forest Service Contact Information

- 11. Region and Unit number (RRUU): 0305
12. Project Manager:
First name: BEVERLY
Last name: EVERSON
Contact telephone number: (520) 3888428
13. Grants and Agreements Specialist:
First name: NORENE
Last name: NORRIS
Contact telephone number: (520) 388-8325
14. Unit-level Budget contact:
First name: DAVID
Last name: EVANS
Contact telephone number: (520) 3888324

Cooperator Contact Information

- 15. Cooperator name:
16. Cooperator Taxpayer Identification Number (TIN):
17. Federal (non-USDA)
a. Agency Location Code (ALC):
b. Obligating Document No.:
c. Treasury Symbol:
18. USDA Agency
a. Common Agreement Number (CAN):
b. Obligating Document No.:
c. Treasury Symbol:
19. Cooperator administrative contact:
First name:
Last name:
Contact telephone number:
E-mail address:

10. Remarks: DAVID J EVANS IS BA - COOPERATOR REQUESTS SPECIAL BILLING - SEE LAST PAGE

11/29/08



MODIFICATION OF GRANT OR AGREEMENT

PAGE	OF PAGES
1	1

1. U.S. FOREST SERVICE GRANT/AGREEMENT NUMBER: 07-CO-11030510-024	2. RECIPIENT/COOPERATOR GRANT or AGREEMENT NUMBER, IF ANY:	3. MODIFICATION NUMBER: 05
4. NAME/ADDRESS OF U.S. FOREST SERVICE UNIT ADMINISTERING GRANT/AGREEMENT (unit name, street, city, state, and zip + 4): Coronado National Forest 300 W. Congress Tucson, AZ 85701	5. NAME/ADDRESS OF U.S. FOREST SERVICE UNIT ADMINISTERING PROJECT/ACTIVITY (unit name, street, city, state, and zip + 4): Coronado National Forest 300 W. Congress Tucson, AZ 85701	
6. NAME/ADDRESS OF RECIPIENT/COOPERATOR (street, city, state, and zip + 4, county): Jamie Sturgess, Rosemont Copper Company 4500 Cherry Creek South Drive, Suite 1040 Denver, CO 80246	7. RECIPIENT/COOPERATOR'S HHS SUB ACCOUNT NUMBER (For HHS payment use only):	

8. PURPOSE OF MODIFICATION

CHECK ALL THAT APPLY:	This modification is issued pursuant to the modification provision in the grant/agreement referenced in item no. 1, above.
<input checked="" type="checkbox"/>	CHANGE IN PERFORMANCE PERIOD: In pursuant to D. 12 and D. 23 to extend the expiration date from 12/31/2010 to 5/17/2012.
<input type="checkbox"/>	CHANGE IN FUNDING:
<input type="checkbox"/>	ADMINISTRATIVE CHANGES:
<input type="checkbox"/>	OTHER (Specify type of modification):

Except as provided herein, all terms and conditions of the Grant/Agreement referenced in 1, above, remain unchanged and in full force and effect.

9. ADDITIONAL SPACE FOR DESCRIPTION OF MODIFICATION (add additional pages as needed):
 The reason for the modification to extend the expiration date is to continue and complete the analysis of the NEPA project.

10. ATTACHED DOCUMENTATION (Check all that apply):

<input type="checkbox"/>	Revised Scope of Work
<input type="checkbox"/>	Revised Financial Plan
<input type="checkbox"/>	Other:

11. SIGNATURES

AUTHORIZED REPRESENTATIVE: BY SIGNATURE BELOW, THE SIGNING PARTIES CERTIFY THAT THEY ARE THE OFFICIAL REPRESENTATIVES OF THEIR RESPECTIVE PARTIES AND AUTHORIZED TO ACT IN THEIR RESPECTIVE AREAS FOR MATTERS RELATED TO THE ABOVE-REFERENCED GRANT/AGREEMENT. ~

11.A. SIGNATURE (Signature of Signatory Official)	11.B. DATE SIGNED	11.C. U.S. FOREST SERVICE SIGNATURE (Signature of Signatory Official)	11.D. DATE SIGNED
11.E. NAME (type or print): JAMIE STURGESS		11.F. NAME (type or print): RETA LAFORD	
11.G. TITLE (type or print): Rosemont Copper Company		11.H. TITLE (type or print): Acting Forest Supervisor	

12. G&A REVIEW

12.A. The authority and format of this modification have been reviewed and approved for signature by: <div style="text-align: center;"> <u>ANDREA G. SEPULVEDA</u> U.S. Forest Service Grants & Agreements Specialist </div>	12.B. DATE SIGNED
--	-------------------



Reimbursable and Advance Collection Agreement Transmittal Form

Albuquerque Service Center (B&F)
(Reference FSH 6509.11k, Chapter 50)

For 1580 purview agreements; form to be completed via I-Web G&A Collections Request



Agreement Information

1. FS agreement number 07CO11030510024

2. Cooperator agreement number, project number or other identifying number pertinent to cooperator

3. Purpose of transmittal (check one only)
New Agreement
[X] Modification
Roll Job Code to new year (not included in automated rollover)
Closeout Request (Complete Blocks 1,2,3, 9 only & attach FS-6500-243)
Other (explain)

4. Expiration Date (Month/Day/Year) 12/31/2010

5. For multi-year agreements, do agreement terms and/or annual operating plan clearly state the period of performance and identify any restrictions on annual spending?
Yes [X]
No [] > Stop. Agreement must be modified to clearly state this information.

6. Is the decision whether or not to assess overhead documented within the terms of the agreement (ref. FSH 1909.13, Chapter 40)?
Yes [X]
No [] > Stop. Agreement must be modified to address this decision.

7. If no overhead is to be assessed, check all applicable criteria below:
Identify which criteria of FSH 1909.13, Ch 40, Sec 40.61 is applicable:

[] 1a. Cooperator is not federal agency under Economy Act and funds contribute toward accomplishment of FS goals & mutual benefit between FS & cooperator exists.

[] 1b. Funds are obtained from a grant, donation, non-cash contribution, reimbursement for invitational travel, or pass-through funds that do not create significant additional indirect costs.

Note. Item 2 is not applicable to external cooperators and is excluded.

8. Optional field
A job code(s) will be assigned by ASC RACA to record project costs. Job code description appears on project management financial reports. If project manager has a preferred description to better identify project on job code listings or reports, enter below.

Job Code Description
Limit 25 Characters:

9. Required attachments:
Executed copy of agreement with AOP: [Y]
FS-6500-243: []

10. Remarks: BA IS DAVID J. EVANS

Forest Service Contact Information

11. Region and Unit number (RRUU) 0305

12. Project Manager:
First name BEVERLY
Last name EVERSON
Contact telephone number: (520) 3888428
(Include area code)

13. Grants and Agreements Specialist:
First name NORENE
Last name NORRIS
Contact telephone number: (520) 388-8325
(Include area code)

14. Unit-level Budget contact:
First name DAVID
Last name EVANS
Contact telephone number: (520) 3888324
(Include area code)

Cooperator Contact Information

15. Cooperator name AUGUSTA RESOURCE (ARIZONA) CORPORATION

16. Cooperator Taxpayer Identification Number (TIN) 980487867

17. Federal (non-USDA)
a. Agency Location Code (ALC)
b. Obligating Document No.
c. Treasury Symbol

18. USDA Agency
a. Common Agreement Number (CAN)
b. Obligating Document No.
c. Treasury Symbol

19. Cooperator administrative contact:
First name
Last name
Contact telephone number:
(Include area code)
E-mail address

3/31/10

Norene Norris

07/25/2008 > Re: Rosemont FY 2008 AOP modification



Beverley A
Everson/R3/USDAFS
07/25/2008 12:33 PM

To Norene Norris/R3/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES
cc
bcc

Subject Re: Rosemont FY 2008 AOP modification

The adjusted AOP needs to show overhead removed just for the additional funding that we're asking for, which is \$60,000, for "other resources". It looks like you've taken overhead for the entire \$300,000 that we asked for in total for FY2008. Please see the AOP spreadsheet that Reta put together (I put a hard copy on your chair), that has a column for overhead for the original \$240,000 vs. overhead for the \$60,000 extra we're asking for by itself.

Also, the AOP that you totalled up in February 2008 shows a different FY2007 carryover than the May 2008 AOP (\$186,800 vs. \$211,100). Why would carryover amount change?

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

Norene Norris/R3/USDAFS



Norene Norris/R3/USDAFS
07/24/2008 01:29 PM

To Beverley A Everson/R3/USDAFS@FSNOTES
cc Reta Laford/R3/USDAFS@FSNOTES, Daniel
Montez/R3/USDAFS@FSNOTES
Subject Re: Rosemont FY 2008 AOP modification

I have reworked the "form" for the AOPs. Actually, it's now a spreadsheet, which will total your expense items for you. I also put a total above the overhead line so that we can see the amount the overhead is based on. These changes should make it a lot easier for both of us.

I need for you to confirm that I have captured all the information correctly. I can't imagine the discrepancy between the \$240,000 stated in the modification and the \$262,390 entered on the AOPs will escape the notice of the cooperator. I will sent the mod to the cooperator after

Norene Norris

07/25/2008 > Re: Rosemont, FY 2008 AOP modification

you've approved it, and both AOPs.



2009_Rosemont_FY08_AOP_July2008.xls



2008_Rosemont_Mod01.doc



2008_Rosemont_FY08_AOP_July2008.xls

Thanks!

Norene Norris, Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

Live your life in such a way that
when your feet hit the floor in the
morning, Satan shudders and says
"OH RATS... SHE'S AWAKE!"

Beverley A Everson/R3/USDAFS



Beverley A
Everson/R3/USDAFS
07/22/2008 06:36 PM

To: Norene Norris/R3/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES
cc

Subject: Rosemont FY 2008 AOP modification

Enclosed is my draft modified AOP for Rosemont for 2008. I am baffled as to how to adjust for the 8% overhead, and am leaving that part for you to fill out and adjust the total for. You will also need to edit collection agreement number.



Rosemont AOP_July2008.doc

Here is the AOP for FY 2009, with the same blanks for percent overhead and the total.



Rosemont AOP_FY2009.doc

Bev

Norene Norris

07/25/2008 > Re: Rosemont FY 2008 AOP modificatio

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

Norene Norris

06/23/2010> Copy of Quarterly Bill for 07-CO-1103



Diana L
Forsberg/WO/USDAFS

06/22/2010 07:34 AM

To Norene Norris/R3/USDAFS@FSNOTES

cc

bcc

Subject Copy of Quarterly Bill for 07-CO-11030510-024,
Rosemount Copper

Hello Norene:

Here is a copy of the quarterly bill for your records. Thanks.

Diana L. Forsberg - RACA Branch
ASC - USFS - Financial Analyst
Phone: 1-877-372-7248
Fax: 1-866-342-0713



BA RACAQA00861.pdf

Norene Norris

04/02/2008 > Re: Fw: Mod. 01 to Collection Agreement



Norene Norris/R3/USDAFS

04/02/2008 08:34 AM

To Beverley A Everson/R3/USDAFS@FSNOTES

cc Reta Laford/R3/USDAFS@FSNOTES

bcc Daniel Montez/R3/USDAFS@FSNOTES; David J
Evans/R3/USDAFS@FSNOTES

Subject Re: Fw: Mod. 01 to Collection Agreement,
07-CO-11030510-024

Hi, Bev! OK, I've re-worked the AOP, as relates to the new CY08 overhead rate of 8%. The good news is that you have an additional \$9,832 to "put on the ground". As you'll see, the line items you've previously identified don't total \$240,000, so you'll need to add the \$9,832 in somewhere, to bring the total up to \$240,000. It's unfortunate we have to do this again, but for \$9,832, it's probably worth it, right? Don't worry about how the overhead is calculated - all you have to do is arrive at a total of \$240,000. I'm in Flag for training tomorrow, but will be back on Friday.



2008_Rosemont_Mod01.doc



2008_Rosemont_AOP.doc

Norene Norris, Grants & Agreements, Coronado NF

Phone: 520.388.8325

Fax: 520.388.8331

E-Mail: nnorris@fs.fed.us

"Let us dare to read, think, speak, & write."

John Adams, 1765

Beverley A Everson/R3/USDAFS



Beverley A

Everson/R3/USDAFS

03/24/2008 10:44 PM

To Norene Norris/R3/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES

cc

Subject Re: Fw: Mod. 01 to Collection Agreement,
07-CO-11030510-024

Hi Norene,

This is what I was looking for, and the FOP is what I had sent you so it should be correct. (I will forward that to you also, Reta).

Stay tuned, however, as we may be making more changes to the Agreement, to add another hydrologist to the team.

Norene Norris

04/02/2008 > Re: Fw: Mod. 01 to Collection Agreement

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

Norene Norris/R3/USDAFS



Norene Norris/R3/USDAFS

03/05/2008 03:23 PM

To Beverley A Everson/R3/USDAFS@FSNOTES

cc

Subject Fw: Mod. 01 to Collection Agreement,
07-CO-11030510-024

Have you had a chance to look at the mod yet?

Norene Norris, Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

"Let us dare to read, think, speak, & write."
John Adams, 1765

----- Forwarded by Norene Norris/R3/USDAFS on 03/05/2008 03:22 PM -----



Norene Norris/R3/USDAFS

02/12/2008 12:57 PM

To Beverley A Everson/R3/USDAFS

cc

Subject Mod. 01 to Collection Agreement, 07-CO-11030510-024

Here's the current iteration of the modification. Please approve, or suggest changes, before I send it to Rosemont. Thanks!

[attachment "2008_Rosemont_Mod01.doc" deleted by Norene Norris/R3/USDAFS]

Norene Norris

04/01/2008 > Re: Fw: Mod. 01 to Collection Agreement



Beverley A
Everson/R3/USDAFS
03/24/2008 10:44 PM

To Norene Norris/R3/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES

cc
bcc

Subject Re: Fw: Mod. 01 to Collection Agreement,
07-CO-11030510-024 

Hi Norene,

This is what I was looking for, and the FOP is what I had sent you so it should be correct. (I will forward that to you also, Reta).

Stay tuned, however, as we may be making more changes to the Agreement, to add another hydrologist to the team.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

Norene Norris/R3/USDAFS



Norene Norris/R3/USDAFS
03/05/2008 03:23 PM

To Beverley A Everson/R3/USDAFS@FSNOTES
cc

Subject Fw: Mod. 01 to Collection Agreement,
07-CO-11030510-024

Have you had a chance to look at the mod yet?

Norene Norris, Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

"Let us dare to read, think, speak, & write."

Norene Norris

04/01/2008 > Re: Fw: Mod. 01 to Collection Agreement

John Adams, 1765

----- Forwarded by Norene Norris/R3/USDAFS on 03/05/2008 03:22 PM -----



Norene Norris/R3/USDAFS

To Beverley A Everson/R3/USDAFS

02/12/2008 12:57 PM

cc

Subject Mod. 01 to Collection Agreement, 07-CO-11030510-024

Here's the current iteration of the modification. Please approve, or suggest changes, before I send it to Rosemont. Thanks!



2008_Rosemont_Mod01.doc

Norene (Don't Shoot Me, I'm Just the Piano Player) Norris,
Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

"Hope springs a kernel."
Denny Crane

MODIFICATION NO. 01

to

COLLECTION AGREEMENT, NO. 07-CO-11030510-024

between

USDA FOREST SERVICE,
and

**ROSEMONT COPPER COMPANY, a.k.a.
AUGUSTA RESOURCE CORPORATION**

1. Purpose of the Modification: The purpose of the modification is to document the program of work for FY 2008, to add funding for FY 2008, and to provide clarification on the subject of annual funding. Annual funding will consist of carryover of previous fiscal year funds plus new funding, to equal \$240,000, each year throughout the life of the agreement.
2. Change in Performance Period: The performance period of the agreement is unchanged.
3. Change in Funds Available: This modification provides for FY 2008 funding in the amount of \$53,200, which brings the total available funding, including FY 2007 carryover of \$186,800, up to \$240,000.

This modification is issued pursuant to Clauses No. 12 and No. 20.

Except as provided herein, all terms and conditions of the referenced document remain unchanged and in full force.

GIL CLAUSEN
President and CEO

Date

JEANINE A. DERBY
Forest Supervisor

Date

Forest Service Use

Job Code: CWFS2408

Rosemont Copper Project
FY 2008 Annual Operating Plan

October 1, 2007 – September 30, 2008

Collection Agreement #07-CO-11030510-024

Project Management \$ 107,070

- NEPA Analysis Oversight
- Minerals Technical Assistance
- Contract Administration
- Public Information Requests
- Congressional Requests
- FOIA Requests

Wildlife Resources \$ 10,655

- Resource Evaluation Coordination
- NEPA Analysis Oversight
- Revegetation Research Oversight

Heritage Resources and Tribal Relations \$17,420

- Resource Evaluation Co
- NEPA Analysis Oversig
- Tribal Relations & Cons

Hydrologic Resources \$13,770

- Resource Evaluation Co
- NEPA Analysis Oversig
- Resource Permitting Ov

$240,000 \div 1.08 = 222,222$

222,222

$17,778 = OH$

Other Resources \$41,265

- Communications Team
- Lands and Access
- Landscape Architecture
- Administrative Record M
- Range

$240,000$

211,100

$28,900$

Miscellaneous Expenses \$22,210

- Vehicles and Equipmen
- Contracts
- Training, Travel

Collection Agreements 17,778

- National Overhead Rate of ~~5.0%~~ 27,610

SUBTOTAL OF EXPENSES		\$240,000
FY 2007 CARRYOVER	$212,390$	<u>211,100</u>
Project Amount	186,800	\$47,080
Overhead	25,590	\$6,120
Overhead on FY08 Funding	25,590	\$6,120
	$28,900$	TOTAL \$28,900

2/11/2008

2,200

LANDS_agrmts

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Address LANDS_agrmts

Folders	Name	Size	Type	Modified
1550_international	~\$08_Rosemont_MOU.doc	1 KB	Microsoft Word Doc...	3/5/2008 2:10 PM
1580_grants_agreements	~\$08_Rosemont_MOU_changes_w_andrea_rev_1-25.doc	1 KB	Microsoft Word Doc...	3/5/2008 2:04 PM
Agrmts_D1	1580_PSCNM_CO_kVline.doc	85 KB	Microsoft Word Doc...	6/29/2001 2:07 PM
Agrmts_D2	1580_PSCNM_MU_kVline.doc	86 KB	Microsoft Word Doc...	6/29/2001 2:06 PM
Agrmts_D3	1580_TEP_MU_kVline.doc	91 KB	Microsoft Word Doc...	5/30/2001 12:01 PM
Agrmts_D4	2004_Rework_TEP_EXHIBIT_A.doc	26 KB	Microsoft Word Doc...	9/7/2004 1:25 PM
Agrmts_D5	2004_TEP_CO_kVline.doc	76 KB	Microsoft Word Doc...	4/9/2004 2:55 PM
Agrmts_SO	2004_TEP_CO_Most_CURRENT_kVline.doc	79 KB	Microsoft Word Doc...	11/12/2004 12:34 PM
AFM_agrmts	2004_TEP_EXHIBIT_A.doc	29 KB	Microsoft Word Doc...	4/22/2004 11:05 AM
EMP_agrmts	2004_TEP_MU_kVline.doc	91 KB	Microsoft Word Doc...	4/8/2004 2:21 PM
ENG_agrmts	2005_CS_Zola_Stoltz.doc	54 KB	Microsoft Word Doc...	1/7/2005 10:32 AM
LANDS_agrmts	2006_BLM_TravesDetail_RWA.doc	52 KB	Microsoft Word Doc...	11/15/2005 1:58 PM
LE_agreements	2006_BLM_TravisDetail_ad_672.doc	106 KB	Microsoft Word Doc...	2/7/2006 3:19 PM
NatRes_agrmts	2007_Augusta_CO.doc	81 KB	Microsoft Word Doc...	5/8/2007 10:06 AM
REC_agrmts	2007_Augusta_FinPln.xls	34 KB	Microsoft Excel Wor...	4/9/2007 1:52 PM
RO_agrmts	2007_Dailey_CO.doc	121 KB	Microsoft Word Doc...	12/4/2006 2:15 PM
SO_other_agrmts	2008_Rosemont_AOP.doc	80 KB	Microsoft Word Doc...	4/1/2008 5:15 PM
ASC_Info	2008_Rosemont_Mod01.doc	28 KB	Microsoft Word Doc...	4/2/2008 8:23 AM
Certification	2008_Rosemont_MOU.doc	192 KB	Microsoft Word Doc...	3/5/2008 2:09 PM
CFO_Bulletins	2008_Rosemont_MOU.pdf	167 KB	Adobe Acrobat Doc...	3/5/2008 2:26 PM
Direction_and_Templat	2008_Rosemont_MOU_changes_w_andrea_rev_1-25.doc	192 KB	Microsoft Word Doc...	1/29/2008 1:55 PM
FORMS	COLLECTION_AGREEMENT.doc	42 KB	Microsoft Word Doc...	4/12/2000 11:04 AM
G&A_Logs	financial_certification.doc	21 KB	Microsoft Word Doc...	5/1/2000 2:25 PM
GA_Accounting_Info	financial_certification_CUC.doc	21 KB	Microsoft Word Doc...	5/4/2000 8:02 AM
GA_REPORTS	MEMORANDUM_OF_UNDERSTANDING.doc	55 KB	Microsoft Word Doc...	4/12/2000 11:30 AM
GA_Tables	mu_template.doc	77 KB	Microsoft Word Doc...	4/2/2004 11:23 AM
GeneralCorrespondenc	Rosemont MOU -- Draft for Final Review (01-22-08).doc	174 KB	Microsoft Word Doc...	1/24/2008 4:47 PM
Grants	UoA_CO_SiteInventory.doc	64 KB	Microsoft Word Doc...	6/21/2002 9:22 AM
ISAs	UoA_SiteInventory_FinancialPlan.xls	24 KB	Microsoft Excel Wor...	6/20/2002 11:21 AM
I-Web_Stuff	Verizon_LEWIS.doc	49 KB	Microsoft Word Doc...	2/11/2004 11:28 AM
TRs	Verizon_nepa_mou.doc	97 KB	Microsoft Word Doc...	2/11/2004 3:34 PM
6500_files				
CFO_Bulletins				
fire_mgmt				

31 object(s) (Disk free space: 8.58 GB) 2.23 MB Internet

Start Re: Rosemont FY 2008 Lotus Sametime Connect LANDS_agrmts 7:32 AM

7/24/08

MODIFICATION NO. 01

to

COLLECTION AGREEMENT, NO. 07-CO-11030510-024

between

**USDA FOREST SERVICE
and**

**ROSEMONT COPPER COMPANY, a.k.a.
AUGUSTA RESOURCE CORPORATION**

1. Purpose of the Modification: The purpose of the modification is to document the program of work for FY 2008, to add funding for FY 2008, and to provide clarification on the subject of annual funding. Annual funding will consist of carryover of previous fiscal year funds plus new funding, to equal \$240,000, each year throughout the life of the agreement.

2. Change in Performance Period: The performance period of the agreement is unchanged.

3. Change in Funds Available: This modification provides for FY 2008 funding in the amount of \$53,200, which brings the total available funding, including FY 2007 carryover of \$186,800, up to \$240,000.

This modification is issued pursuant to Clauses No. 12 and No. 20.

Except as provided herein, all terms and conditions of the referenced document remain unchanged and in full force.

GIL CLAUSEN
President and CEO

Date

JEANINE A. DERBY
Forest Supervisor

Date

Forest Service Use

Job Code: CWFS2408

Rosemont Copper Project
FY 2008 Annual Operating Plan
October 1, 2007 – September 30, 2008
Collection Agreement #07-CO-11030510-024

Project Management		\$ 107,070
	NEPA Analysis Oversight	
	Minerals Technical Assistance	
	Contract Administration	
	Public Information Requests	
	Congressional Requests	
	FOIA Requests	
Wildlife Resources		\$ 10,655
	Resource Evaluation Coordination	
	NEPA Analysis Oversight	
	Revegetation Research Oversight	
Heritage Resources and Tribal Relations		\$17,420
	Resource Evaluation Coordination	
	NEPA Analysis Oversight	
	Tribal Relations & Consultation	
Hydrologic Resources		\$13,770
	Resource Evaluation Coordination	
	NEPA Analysis Oversight	
	Resource Permitting Oversight	
Other Resources		\$41,265
	Communications Team	
	Lands and Access	
	Landscape Architecture	
	Administrative Record Management	
	Range	
Miscellaneous Expenses		\$22,210
	Vehicles and Equipment	
	Contracts	
	Training, Travel	
Collection Agreements		
	National Overhead Rate of 13%	\$27,610
SUBTOTAL OF EXPENSES		\$240,000
FY 2007 CARRYOVER		\$186,800
Project Amount		\$49,260
Overhead	8% Overhead on FY08 Funding	\$3,940
		<u>TOTAL \$53,200</u>

MODIFICATION NO. 01

to

COLLECTION AGREEMENT, NO. 07-CO-11030510-024

between

**USDA FOREST SERVICE,
and**

**ROSEMONT COPPER COMPANY, a.k.a.
AUGUSTA RESOURCE CORPORATION**

1. Purpose of the Modification: The purpose of the modification is to document the program of work for FY 2008, to add funding for FY 2008, and to provide clarification on the subject of annual funding. Annual funding will consist of carryover of previous fiscal year funds plus new funding, to equal \$240,000, annually.
2. Change in Performance Period: The performance period of the agreement is unchanged.
3. Change in Funds Available: This modification provides for FY 2008 funding in the amount of \$53,200, which brings the total available funding, including FY 2007 carryover of \$186,800, up to \$240,000.

This modification is issued pursuant to Clauses No. 12 and No. 20.

Except as provided herein, all terms and conditions of the referenced document remain unchanged and in full force.

GIL CLAUSEN
President and CEO

Date

JEANINE A. DERBY
Forest Supervisor

Date

Forest Service Use

Job Code: CWFS2408

Rosemont Copper Project
FY 2008 Annual Operating Plan
October 1, 2007 – September 30, 2008
Collection Agreement #07-CO-11030510-024

Project Management		\$ 107,070
	NEPA Analysis Oversight	
	Minerals Technical Assistance	
	Contract Administration	
	Public Information Requests	
	Congressional Requests	
	FOIA Requests	
Wildlife Resources		\$ 10,655
	Resource Evaluation Coordination	
	NEPA Analysis Oversight	
	Revegetation Research Oversight	
Heritage Resources and Tribal Relations		\$17,420
	Resource Evaluation Coordination	
	NEPA Analysis Oversight	
	Tribal Relations & Consultation	
Hydrologic Resources		\$13,770
	Resource Evaluation Coordination	
	NEPA Analysis Oversight	
	Resource Permitting Oversight	
Other Resources		\$41,265
	Communications Team	
	Lands and Access	
	Landscape Architecture	
	Administrative Record Management	
	Range	
Miscellaneous Expenses		\$22,210
	Vehicles and Equipment	
	Contracts	
	Training, Travel	
Collection Agreements		
	National Overhead Rate of 13%	\$27,610

SUBTOTAL OF EXPENSES		\$240,000
FY 2007 CARRYOVER		\$186,800
<i>* Project Amount</i>	<i>47,080</i>	TOTAL \$53,200
<i>Overhead Amount</i>	<i>6,120</i>	<i>53,200</i>

MODIFICATION NO. 01

to

COLLECTION AGREEMENT, NO. 07-CO-11030510-024

between

**USDA FOREST SERVICE,
and**

**ROSEMONT COPPER COMPANY, a.k.a.
AUGUSTA RESOURCE CORPORATION**

1. Purpose of the Modification: The purpose of the modification is to document the program of work for FY 2008, to add funding for FY 2008, and to provide clarification on the subject of annual funding.

Annual funding will consist of an annual modification to bring

2. Change in Performance Period: The performance period of the agreement is unchanged.

3. Change in Funds Available: This modification provides for FY 2008 funding in the amount of \$53,200, which brings the total available funding, including carryover of \$186,800, up to \$240,000.

This modification is issued pursuant to Clauses No. 12 and No. 20.

Except as provided herein, all terms and conditions of the referenced document remain unchanged and in full force.

GIL CLAUSEN
President and CEO

Date

JEANINE A. DERBY
Forest Supervisor

Date

Forest Service Use

Job Code: CWFS2408

MODIFICATION NO. 01

to

COLLECTION AGREEMENT, NO. 07-CO-11030510-024

between

**USDA FOREST SERVICE,
and**

**ROSEMONT COPPER COMPANY, a.k.a.
AUGUSTA RESOURCE CORPORATION**

1. Purpose of the Modification: The purpose of the modification is to document the program of work for FY 2008, and to add funding for FY 2008, *and to provide clarification on the subject of annual funding.*
2. Change in Performance Period: The performance period of the agreement is unchanged.

3. Change in Funds Available: This modification provides for additional funding in the amount of *FY 2008*
 -\$240,000. *\$53,200, which brings to total available funding*
to include carryover of \$186,700, for a total of \$240,000.
 This modification is issued pursuant to Clause No. 12.

Except as provided herein, all terms and conditions if the referenced document remain unchanged and in full force.

GIL CLAUSEN
President and CEO

Date

JEANINE A. DERBY
Forest Supervisor

Date

Forest Service Use

Job Code: _____

MODIFICATION NO. 01

to

COLLECTION AGREEMENT, NO. 07-CO-11030510-024

between

**USDA FOREST SERVICE,
and**

**ROSEMONT COPPER COMPANY, a.k.a.
AUGUSTA RESOURCE CORPORATION**

1. Purpose of the Modification: The purpose of the modification is to document the program of work for FY 2008, and to add funding for FY 2008.
2. Change in Performance Period: The performance period of the agreement is unchanged.
3. Change in Funds Available: This modification provides for additional funding in the amount of \$240,000.

This modification is issued pursuant to Clause No. 12.

Except as provided herein, all terms and conditions of the referenced document remain unchanged and in full force.

GIL CLAUSEN
President and CEO

Date

JEANINE A. DERBY
Forest Supervisor

Date

Forest Service Use

Job Code: CWFS24

Rosemont Copper Project
FY 2008 Annual Operating Plan
October 1, 2007 – September 30, 2008
Collection Agreement #07-CO-11030510-024

Project Management		\$ 107,070
	NEPA Analysis Oversight	
	Minerals Technical Assistance	
	Contract Administration	
	Public Information Requests	
	Congressional Requests	
	FOIA Requests	
Wildlife Resources		\$ 10,655
	Resource Evaluation Coordination	
	NEPA Analysis Oversight	
	Revegetation Research Oversight	
Heritage Resources and Tribal Relations		\$17,420
	Resource Evaluation Coordination	
	NEPA Analysis Oversight	
	Tribal Relations & Consultation	
Hydrologic Resources		\$13,770
	Resource Evaluation Coordination	
	NEPA Analysis Oversight	
	Resource Permitting Oversight	
Other Resources		\$41,265
	Communications Team	
	Lands and Access	
	Landscape Architecture	
	Administrative Record Management	
	Range	
Miscellaneous Expenses		\$22,210
	Vehicles and Equipment	
	Contracts	
	Training, Travel	
	National Overhead Rate of 13%	\$27,610
		<u>TOTAL \$240,000</u>

Financial Plan

COST ELEMENTS	FOREST SERVICE			COOPERATOR					
	(a)	(b)	(c)	(d)	(e)	(f)	(g) (h)		(i)
	Non-Cash Contrib.	Value of In-Kind Contrib.	Reimb. Coop. Expenses	Non-Cash Contrib.	Value of In-Kind Contrib.	THIRD PARTY			
						Cash Contributions			
Coop.						Non-Fed	Federal		
Salaries/Labor						\$196,890.00			\$196,890.00
Travel						\$10,500.00			\$10,500.00
Equipment Use						\$5,000.00			\$5,000.00
Supplies									\$0.00
Materials									\$0.00
Printing									\$0.00
Subtotal	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$212,390.00	\$0.00	\$0.00	\$212,390.00
Indirect Costs						\$27,610.00			\$27,610.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$240,000.00	\$0.00	\$0.00	\$240,000.00

(j) Estimated Program Income (subtract from total of column (i)):	
(k) Net Total Project Value:	\$240,000.00

Remarks:

Use the following section to show additional information that supports the lump sum figures provided above. Salary/Labor = hrs or days x rate; Travel = miles x rate or months x FOR rate, days x per diem rate; Equipment Use = hrs or days x rate; Supplies & Materials --list of items and estimated cost; Printing = estimated cost per item; Indirect Cost = Direct cost x current indirect rate.

- (a)
- (b)
- (c)
- (d)
- (e)
- (f)
- (g)
- (h)

Matching Costs Determination

Total Forest Service Share = (a+b+c) ÷ (k) = (l)	(l) <u>0.00%</u>
Third Party Cash Contribution Federal = (h ÷ k) = (m)	(m) <u>0.00%</u>
Total Federal Share = (l+m) = (n)	(n) <u>0.00%</u>
Total Cooperator Share [(d+e+f+g) - (j)] ÷ (k) = (o)	(o) <u>100.00%</u>
Total (n+o) = (p)	(p) <u>100.00%</u>

Reimbursement Calculation

Forest Service Reimbursement percent (c) ÷ [(c+d+f+g+h) - (j)] = (q)	(q) <u>0.00%</u>
Cooperator expenses NOT reimbursed by FS (d+f+g+h-j) ÷ (c+d+f+g+h-j) = (r)	(r) <u>100.00%</u>
Reimbursable Amount = Total actual cost incurred to date (sum of cost elements from the Cooperator's invoice as prescribed in provisions _____ and _____ multiplied by _____ 0.00% (q) minus any previous Forest Service payments, not to exceed the subtotal amount listed in column (c) minus any estimated program income.	

Instructions

Use Cost Elements that apply to the particular project. The Cost Elements listed are examples of those commonly used. Delete those that don't apply. Value assessed for volunteer labor should be commensurate with local labor rates for similar work. Donated materials, equipment and supplies should be valued at rates and prices available in the current local market.

(a) **Forest Service Non-Cash Contribution:** Forest Service employee salaries, travel, equipment, supplies, etc., provided toward completion of the project. Total Forest Service indirect cost (overhead) is also included in this column. All the costs listed here are an expense to the Forest Service.

(b) **Value of Forest Service In-Kind Contribution:** Forest Service contributions toward completion of the project for which the Forest Service has incurred no expense. These contributions include such items as volunteer labor, donated materials, equipment, supplies, etc., contributed by third parties directly to the Forest Service. Forest Service volunteer and/or equipment rental agreements should be used to document the donated services.

(c) **Reimbursable Cooperator Expenses:** The figure(s) listed are both the maximum Forest Service funds to be obligated for reimbursement and Cooperator expenses that are not included anywhere else on this form. This is an expense to the Forest Service.

(d) **Cooperator Contribution:** Cooperator employee salaries, travel, equipment, supplies, etc., provided toward completion of the project. Total Cooperator indirect cost (overhead) is also included in this column. All the costs listed here are an expense to the Cooperator.

(e) **Value of Cooperator In-Kind Contribution:** Cooperator non-cash contributions provided toward completion of the project for which the Cooperator has incurred no expense. These contributions can be made from the Cooperator or through the Cooperator by other entities and include such items as volunteer labor, donated materials, equipment, supplies, etc. These values are not reimbursable and can only be used to satisfy the Cooperator's matching requirement.

(f) **Cash Contribution to the Forest Service:** Cooperator cash contribution provided to the Forest Service for use in completing the project. This is an expense to the Cooperator. Display by Cost Element where these funds will be expended. Be sure to cite a collection authority in the Agreement if this column is used.

(g) **Third Party Cash Contribution Non-Federal:** Cash contribution provided to the Cooperator from Non-Federal organization(s) for use in the project. Display these contributions by Cost Element expenditures.

(h) **Third Party Cash Contribution Federal:** Cash contributions provided to the Cooperator from Federal agency(ies) for use in the project. Display these contributions by Cost Element expenditures.

(i) **Gross Total Project Value:** The sum of all the values provided toward the project. This figure reflects the true estimated cost of the project.

(j) **Estimated Program Income:** The gross income estimated to be generated under the project between the effective date of award and completion of the project, such as conference or workshop fees received, rental fees earned from renting real property or equipment acquired with agreement funds, or the sale of commodities or items developed under the project.

(k) **Net Total Project Value:** The sum of all the values provided toward the project with Estimated Project Income taken into consideration. This figure reflects the true estimated cost of the project.



United States
Department of
Agriculture

Forest
Service

Coronado National
Forest

300 W. Congress St.
Tucson, AZ 85701
(520) 388-8300
TDD (520) 388-8304
FAX (520) 388-8305

File Code: 6520
Route To:

Date: September 22, 2008

Subject: FY 2008 Allocation (03-05-97)

To: ALM Program Leader:

Your FY 2008 allocations are revised as follows:

Job Code	Project Name	Previous Allocation	This Allocation	Current Allocation
CWFS24	Rosemont Mine	\$186.8M	\$107.3M	\$294.1M

This allocation is for an additional \$107,370 under agreement # 07CO110305-10-024, Augusta Resource Arizona Corp., for the Rosemont Mine project.

Please update your workplans accordingly.

If you have questions please contact David Evans at 388-8324.

/s/ JEANINE A. DERBY
JEANINE A. DERBY
Forest Supervisor

cc: Bev Everson

DMontez: 09/22/08



REIMBURSABLE OR ADVANCE COLLECTION AGREEMENT JOB CODE ASSIGNMENT

This serves as formal notification that the Albuquerque Service Center has received your signed agreement and spending is now authorized. This notice also verifies that budget authority is available.

Source: New Agreement Modification WorkPlan Recalculation of Available Amount

Type of Agreement: Advance Reimbursable Combination

Agreement Number(s)	Cooperator(s)	Total Agreement	Burden Amount	Net Available for Spending	Burden Rate	Expiration Date	Agreement Job Code Assigned*
07-CO-11030510-024	Augusta Resource Arizona Corp.						
<i>Rosemont Copper Project</i>							
Prior Amount		211,096.68	24,285.46	186,811.22	13.000%	12/31/2010	0305 CWFS2408
Paid Advance Bill Amount		115,959.60	8,589.60	107,370.00	8.000%		
		0.00	0.00	0.00	0.000%		
		0.00	0.00	0.00	0.000%		
Total		327,056.28	32,875.06	294,181.22	11.175%		

Check all that apply:

Note 1: Authorized Amount is tentative based on initial calculation of carry over balances on multi-year agreement.
 Updated Job Code Assignment Notification will be issued if this amount changes

Note 2: Authorized Amount for spending must be obligated by _____ (enter date) because partner funding expires.

*Update WorkPlan for dollar amounts and to include agreement job code assigned. If project supports burden, update project job code to include burden. Place amount under OTHER RESOURCE TYPE - BURDEN in WorkPlan.

**Job Code balances shall be monitored using either WorkPlan expenditure reports or RACA Fund Control Report. RACA Fund Control Report is accessible via BRIO Managerial Reports or ASC Reports Dashboard, Specialized Reports

Project Manager: Norene Norris (G&A)
 Location: 0305
 Phone Number: 520-388-8325

RACA Processor: Diana Forsberg
 Date Issued: 9-18-2008
 Phone Number: (877) 372-7248 opt 1 - raca

0305-07-CO-024



Reimbursable Advance Collection Agreement Transmittal Form
Albuquerque Service Center (B&F)
(Reference FSH 6509.11k, Chapter 50)
For 1580 purview agreements; form to be completed via I-Web G&A Collections Request



Agreement Information

1. FS agreement number 07CO11030510024
2. Cooperator agreement number, project number or other identifying number pertinent to cooperator
3. Purpose of transmittal (check one only)
New agreement
[X] Modification
WorkPlan to request job code in new year of multi-year agreement
Closeout Request (Complete Blocks 1,2,3 only & attach FS 6500-243)
Other (explain)
4. Expiration Date (Month/Day/Year) 12/31/2010
5. For multi-year agreements, do agreement terms and/or annual operating plan clearly state the period of performance and identify any restrictions on annual spending?
Yes [X]
No [] > Stop. Agreement must be modified to clearly state this information.
6. Is the decision whether or not to assess overhead documented within the terms of the agreement (ref. FSH 1909.13, Chapter 40)?
Yes [X]
No [] > Stop. Agreement must be modified to address this decision.
7. If no overhead is to be assessed, check all applicable criteria below:
Identify which criteria of FSH 1909.13, Ch 40, Sec 40.61 is applicable:
1a. Cooperator is not federal agency under Economy Act and funds contribute toward accomplishment of FS goals & mutual benefit between FS & cooperator exists.
1b. Funds are obtained from a grant, donation, non-cash contribution, reimbursement for invitational travel, or pass-through funds that do not create significant additional indirect costs.
Note. Item 2 is not applicable to external cooperators and is excluded.
8. Optional field
A job code(s) will be assigned by ASC RACA to record project costs. Job code description appears on project management financial reports. If project manager has a preferred description to better identify project on job code listings or reports, enter below.
Job Code Description
Limit 25 Characters:
9. Required attachments:
Executed copy of agreement with AOP: [Y]
WorkPlan screen print: [Y]
I-Web screen print: [Y]
10. Remarks: BA IS DAVIDEVANS@FS.FED.US

Forest Service Contact Information

11. Region and Unit number (RRUU) 0305
12. Project Manager:
First name
Last name
Contact telephone number:
(Include area code)
13. Grants and Agreements Specialist:
First name NORENE
Last name NORRIS
Contact telephone number: (520) 388-8325
(Include area code)
14. Unit-level Budget contact:
First name
Last name
Contact telephone number:
(Include area code)

Cooperator Contact Information

15. Cooperator name AUGUSTA RESOURCE (ARIZONA) CORPORATION
16. Cooperator Taxpayer Identification Number (TIN) 980487867
17. Federal (non-USDA)
a. Agency Location Code (ALC)
b. Obligating Document No.
c. Treasury Symbol
18. USDA Agency
a. Common Agreement Number (CAN)
b. Obligating Document No.
c. Treasury Symbol
19. Cooperator administrative contact:
First name SHERRY
Last name VARECKA
Contact telephone number: (303) 300-0134
(Include area code)
E-mail address anyone@anycompany.com



8/8/08

Norene Norris

02/11/2008 > Re: Fw: Augusta -- Rosemont/USFS MOU



Beverley A
Everson/R3/USDAFS
01/25/2008 09:53 AM

To Norene Norris/R3/USDAFS@FSNOTES
cc
bcc
Subject Re: Fw: Augusta -- Rosemont/USFS MOU 

Not yet.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

Norene Norris/R3/USDAFS



Norene Norris/R3/USDAFS
01/24/2008 05:31 PM

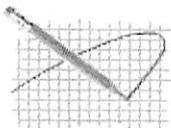
To Andrea W Campbell/R3/USDAFS@FSNOTES
cc Beverley A Everson/R3/USDAFS@FSNOTES
Subject Re: Fw: Augusta -- Rosemont/USFS MOU 

Do you want me to make that change?

Norene (Don't Shoot Me, I'm Just the Piano Player) Norris,
Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

"Hope springs a kernel."
Denny Crane

Andrea W Campbell/R3/USDAFS



Andrea W
Campbell/R3/USDAFS
01/24/2008 05:24 PM

To Beverley A Everson/R3/USDAFS@FSNOTES
cc Norene Norris/R3/USDAFS@FSNOTES
Subject Re: Fw: Augusta -- Rosemont/USFS MOU 



Recommended change to 1st paragraph under B. in MOU:

The Forest Service has the authority to approve the Proponent's proposal, either as currently defined in the MPO, or as otherwise defined during the NEPA review to mitigate or avoid significant adverse environmental impacts. Before a decision to approve the proposal is made, the Forest Service must comply with the NEPA; the National Forest Management Act of 1976; other environmental statutes, regulations, and Executive Orders; and Forest Service Manual and Handbook direction regarding NEPA and minerals management on NFS land (collectively, these are referred to henceforth in this MOU as applicable legal requirements).

Your thoughts?

-----Beverley A Everson/R3/USDAFS wrote: -----

To: Andrea W Campbell/R3/USDAFS@FSNOTES, Norene Norris/R3/USDAFS@FSNOTES
From: Beverley A Everson/R3/USDAFS
Date: 01/24/2008 02:52PM
Subject: Fw: Augusta -- Rosemont/USFS MOU

Please look at the changes to Section B, paragraph one, on page two, a change the company's attorney made to the MOU. I tend to agree with the wording that they use, primarily the use of the word "authority" rather than "discretion", because its legally correct. We can and do modify an operation, but we don't have the discretion to deny it.

Do either of you disagree with this change?

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

Norene Norris

02/11/2008 > Re: Fw: Augusta -- Rosemont/USFS M

----- Forwarded by Beverley A Everson/R3/USDAFS on 01/24/2008 02:07 PM -----

"MARRA, MARC" <MMARRA@FCLAW.COM>
01/23/2008 09:04 AM

To
<beverson@fs.fed.us>

cc
"Jamie Sturgess" <jsturgess@augustaresource.com>

Subject
Augusta -- Rosemont/USFS MOU

Bev:

The draft Rosemont/USFS MOU, incorporating comments from Rosemont, is attached.

Jamie was hoping to get this to you in time for execution by Friday.

Marc

Marc A. Marra
Fennemore Craig
3003 North Central Avenue, Suite 2600
Phoenix, Arizona 85012-2913
(602) 916-5000
(602) 916-5450 (direct)
(602) 916-5650 (fax)
mmarra@fclaw.com
www.fennemorecraig.com



- Rosemont MOU -- Draft for Final Review (01-22-08).doc



- ATTDNWYD

Norene Norris

11/17/2008 Re: Modification No. 2 to Agreement No.



Jamie Sturgess
<jsturgess@augustaresource.com>

11/14/2008 04:16 PM

To Kendra L Bourgart <klbourgart@fs.fed.us>, karnold@rosemontcopper.com, jsturgess@rosemontcopper.com
cc Beverley A Everson <beverson@fs.fed.us>, Norene Norris <nnorris@fs.fed.us>, raghu Reddy <rreddy@augustaresource.com>, Bridget Johnson <bjohnson@augustaresource.com>

bcc

Subject Re: Modification No. 2 to Agreement No. 07-CO-11030510-024

Kendra:

Accepted and appreciated.

Clear and concise.

Nice work Kendra. I appreciate the fine work you have provided this project, and your attention to detail.

Best regards,

Jamie Sturgess
Vice President for Sustainable Development
Rosemont Copper Company

On 11/14/08 3:49 PM, "Kendra L Bourgart" <klbourgart@fs.fed.us> wrote:

Re: Modification No. 2 to Agreement No. 07-CO-11030510-024, between USDA Forest Service, Coronado National Forest and Rosemont Copper Company.

Jamie and Kathy,

The above referenced modification to the collection agreement identifies a total amount of \$648,306.23 will be paid to the Coronado National Forest to add funding for FY2009, October 1, 2008-September 30, 2009. This message serves as confirmation that Rosemont Copper Company has received authorization to make partial payments during the fiscal year as described below:

\$352,153.11 Payable on or before 30 days after the last date of execution of this modification.

\$148,076.56 Payable on or before April 1, 2009.

\$148,076.56 Payable on or before July 1, 2009.

Each bill for collection that is issued by the Forest Service will NOT include information about the balance due for the remainder of the fiscal year.

The amount of \$352,153.11 was identified by subtracting the amount of the USGS agreement (\$56,000) from the Balance Needed for FY 2009 (\$648,306.23), and dividing that figure (\$592,306.23) by 2, resulting in \$296,153.11 (for the 1st and 2nd quarters of the year), then adding the amount of the USGS agreement (\$56,000).

The amounts of \$148,076.56 were identified by subtracting the amount of the USGS agreement (\$56,000) from the Balance Needed for FY 2009 (\$648,306.23), and dividing that figure (\$592,306.23) by 4.

Please call me if you have any questions,

Thank you, Kendra

Kendra L. Bourgart
USDA Forest Service
E-mail: klbourgart@fs.fed.us
Cell: 559-920-6113

Prescott Office:
Prescott National Forest
500 US Highway 89 North, Bldg 70
PO Box 9115
Prescott, AZ 86313
Desk: 928-443-8271
Fax: 928-443-8208 (call to confirm receipt)

Tucson Office:
Coronado National Forest
300 West Congress
Tucson, AZ 85701-0003
Desk: 520-388-8390
Fax: 520-388-8305

Mod 006 has not been signed.

*as of
3/4/11*

MODIFICATION OF GRANT OR AGREEMENT	PAGE 1 OF 3 PAGES
---	-------------------

1. U.S. FOREST SERVICE GRANT/AGREEMENT NUMBER: 07-CO-11030510-024	2. RECIPIENT/COOPERATOR GRANT or AGREEMENT NUMBER, IF ANY:	3. MODIFICATION NUMBER: 006
--	--	--------------------------------

4. NAME/ADDRESS OF U.S. FOREST SERVICE UNIT ADMINISTERING GRANT/AGREEMENT (unit name, street, city, state, and zip + 4): Coronado National Forest 300 W. Congress Tucson, AZ 85701	5. NAME/ADDRESS OF U.S. FOREST SERVICE UNIT ADMINISTERING PROJECT/ACTIVITY (unit name, street, city, state, and zip + 4): Coronado National Forest 300 W. Congress Tucson, AZ 85701
---	--

6. NAME/ADDRESS OF RECIPIENT/COOPERATOR (street, city, state, and zip + 4, county): Jamie Sturgess, Rosemont Copper Company 4500 Cherry Creek South Drive, Suite 1040 Denver, CO 80246	7. RECIPIENT/COOPERATOR'S HHS SUB ACCOUNT NUMBER (For HHS payment use only):
---	--

8. PURPOSE OF MODIFICATION

CHECK ALL THAT APPLY:	This modification is issued pursuant to the modification provision in the grant/agreement referenced in item no. 1, above.
<input type="checkbox"/>	CHANGE IN PERFORMANCE PERIOD:
<input checked="" type="checkbox"/>	CHANGE IN FUNDING: Adds Funding For FY2011 in the amount of \$508,891.85
<input type="checkbox"/>	ADMINISTRATIVE CHANGES:
<input type="checkbox"/>	OTHER (Specify type of modification):

Except as provided herein, all terms and conditions of the Grant/Agreement referenced in 1, above, remain unchanged and in full force and effect.

9. ADDITIONAL SPACE FOR DESCRIPTION OF MODIFICATION (add additional pages as needed):
FY2011 Financial Plan.

10. ATTACHED DOCUMENTATION (Check all that apply):

<input type="checkbox"/>	Revised Scope of Work
<input checked="" type="checkbox"/>	Revised Financial Plan
<input type="checkbox"/>	Other:

11. SIGNATURES

AUTHORIZED REPRESENTATIVE: BY SIGNATURE BELOW, THE SIGNING PARTIES CERTIFY THAT THEY ARE THE OFFICIAL REPRESENTATIVES OF THEIR RESPECTIVE PARTIES AND AUTHORIZED TO ACT IN THEIR RESPECTIVE AREAS FOR MATTERS RELATED TO THE ABOVE-REFERENCED GRANT/AGREEMENT. ~~~

11.A. SIGNATURE	11.B. DATE SIGNED	11.C. U.S. FOREST SERVICE SIGNATURE	11.D. DATE SIGNED
(Signature of Signatory Official)		(Signature of Signatory Official)	
11.E. NAME (type or print): JAMIE STURGESS		11.F. NAME (type or print): JIM UPCHURCH	
11.G. TITLE (type or print): Rosemont Copper Company		11.H. TITLE (type or print): Forest Supervisor	

12. G&A REVIEW

12.A. The authority and format of this modification have been reviewed and approved for signature by:	12.B. DATE SIGNED
<div style="border-bottom: 1px solid black; width: 200px; margin-left: 0;"></div> ANDREA G. SEPULVEDA U.S. Forest Service Grants & Agreements Specialist	

Forest Service Agreement # 07-CO-11030510-024

Modification 6

FY2011 Rosement Copper Project Collection Agreement Financial Plan

Cooperator and FS Contributions

COST ELEMENTS and related data			Cooperator Contribution	FS Non-Cash Contribution	
Line Item Cost Subtotals			Subtotal	Subtotal	Combined Subtotals
PERSONNEL					
Resource Specialists (List all personnel):	# of Days	\$/Day			
T. Austin - GIS	5	\$269	\$1,345.00		\$1,345.00
E.M. Battin - GIS	5	\$313	\$1,565.00		\$1,565.00
A. Belauskas - Safety, Noise	5	\$366	\$1,830.00		\$1,830.00
C. Blair - Minerals	40	\$133	\$5,320.00		\$5,320.00
A. Campbell - NEPA, FoIA	40	\$476	\$19,040.00		\$19,040.00
E. Curiel - Hazmat	10	\$380	\$3,800.00		\$3,800.00
S. Davis - Socioecon, Skies	50	\$403	\$20,150.00		\$20,150.00
A. Elek - Fire and Fuels	10	\$250	\$2,500.00		\$2,500.00
T. Emmett - Lands	20	\$335	\$6,700.00		\$6,700.00
B. Everson - IDT Leader	246	\$411	\$101,106.00		\$101,106.00
M. Farrell - Tribal Relations	3	\$413	\$1,239.00		\$1,239.00
R. Gerhart - Biology	10	\$442	\$4,420.00		\$4,420.00
B. Gillespie - Heritage	50	\$392	\$19,600.00		\$19,600.00
J. Jones - Admin	10	\$242	\$2,420.00		\$2,420.00
L. Jones - Biology	60	\$380	\$22,800.00		\$22,800.00
M. Kaplan - FoIA	15	\$359	\$5,385.00		\$5,385.00
W. Keyes - Transportation	20	\$399	\$7,980.00		\$7,980.00
D. Kriegel - Visual, Rec	80	\$381	\$30,480.00		\$30,480.00
N. Lulak - Heritage	50	\$202	\$10,100.00		\$10,100.00
B. Lefevre - Soils, Air	20	\$423	\$8,460.00		\$8,460.00
S. Lockwood - Range	10	\$256	\$2,560.00		\$2,560.00
G. McKay - Lands	5	\$418	\$2,090.00		\$2,090.00
M. Roth - Project Mgr.	261	\$433	\$113,013.00		\$113,013.00
J. Sautter - Lands	3	\$198	\$594.00		\$594.00
H. Schewel - Public Affairs	60	\$356	\$21,360.00		\$21,360.00
D. Sebesta - Biology	20	\$326	\$6,520.00		\$6,520.00
S. Shafiqullah - Hydro, Soils	100	\$344	\$34,400.00		\$34,400.00
			\$0.00		\$0.00
			\$0.00		\$0.00
			\$0.00		\$0.00
R. Laford	30	\$569		\$17,070.00	\$17,070.00
J. Upchurch	20	\$629		\$12,580.00	\$12,580.00
Subtotal, Personnel:	1,258		\$456,777.00	\$29,650.00	\$486,427.00
TRAVEL					

Explanation of trips: From Where/To Where/For Whom	Vehicle Mileage Cost or Airfare Cost	# of Trips	PerDiem and Lodging			
Travel/training/presentations	600	10	\$6,000	\$12,000.00		\$12,000.00
				\$0.00		\$0.00
Subtotal, Travel:	\$600.00	10	\$6,000	\$12,000.00	\$0.00	\$12,000.00
EQUIPMENT						
Name and Type of Equipment:	Unit Cost	Quantity				
Vehicle #9097 FOR	\$308	2	\$616.00			\$616.00
Vehicle #9097 Mileage	\$0	2000	\$420.00			\$420.00
				\$0.00		\$0.00
Subtotal, Equipment:	\$308.21	2,002	\$1,036.00	\$0.00		\$1,036.00
SUPPLIES						
Name and Type of Supplies:	Unit Cost	Quantity				
Misc Supplies, postage	\$8,000	1	\$8,000.00			\$8,000.00
Misc Personnel, OT	\$12,000	1	\$12,000.00			\$12,000.00
Public Meeting Materials	\$100	30	\$3,000.00			\$3,000.00
			\$0.00			\$0.00
Subtotal, Supplies:	\$20,100.00	32	\$23,000.00	\$0.00		\$23,000.00
CONTRACTUAL						
Describe Contracts that will most likely result from this project:						\$0.00
Subtotal, Contractual:				\$0.00	\$0.00	\$0.00
OTHER						
Describe Other Costs of the Project:						
DEIS, FEIS Publication	\$30,000	2	\$60,000.00			\$60,000.00
USGS IA Agreement	\$16,000	1	\$16,000.00			\$16,000.00
Content Analysis	\$120,000	1	\$120,000.00			\$120,000.00
						\$0.00
Subtotal, Other:			\$196,000.00	\$0.00		\$196,000.00
TOTAL DIRECT CHARGES				\$688,813.00	\$29,650.00	\$718,463.00
OVERHEAD ASSESSMENT (if applicable, see FSH 1909.13)	Insert Rate Here:					
		8.0%	\$55,105.04			
Total Project Costs				\$743,918.04		
Estimated FY2010 Carryover				\$235,026.19		
BALANCE NEEDED FOR FY2011				\$508,891.85		

REIMBURSABLE OR ADVANCE COLLECTION AGREEMENT JOB CODE ASSIGNMENT

This serves as formal notification that the Albuquerque Service Center has received your signed agreement, budget authority is available, and spending is now authorized.

Source: New Agreement Modification Recalculation of Available Amount

Type of Agreement: Advance Reimbursable New FY Rollover Combination

Agreement Number(s)/ Project Description	FFIS Agreement Number(s)	Cooperator(s)	Total Agreement	Overhead (Burden) Amount	Net Available for Spending	Overhead (Burden) Rate	Agreement Expiration Date	Agreement Job Code Assigned*
07CO11030510024 <i>Augusta Rosemont Mine Project</i>	0305-07-CO-024	Augusta Res (AZ) Corp						
		Prior Year Roll-over	248,569.60	18,551.00	230,018.60	8.065%	12/31/2011	0305 CWFS2411
In-House								
Direct Pass-Thru (if any)								
Total			248,569.60	18,551.00	230,018.60			

Check all that apply:

Note 1: Authorized Amount is tentative based on initial calculation of carry over balances on multi-year agreement. Updated Job Code Assignment Notification will be issued if this amount changes

Note 2: Authorized Amount (Net Available for Spending) must be obligated by ___ (enter date) because cooperator funding expires. Example: Federal agency funding source expires prior to Agreement Expiration Date, i.e. one-year funds available for current FY only

*Update WorkPlan for dollar amounts and to include agreement job code assigned. If overhead (burden) assessment applies, update project job code to include overhead. Place amount under OTHER RESOURCE TYPE - BURDEN in WorkPlan.

**Job Code balances shall be monitored using either WorkPlan expenditure reports or RACA Fund Control Report. RACA Fund Control Report is accessible via BRIO Managerial Reports or ASC Reports Dashboard, Standard B&F Reports

Project Manager: Beverly Everson
 Location: Region 03 Coronado
 Phone Number: 520/388-8428

RACA Processor: Menn Pollworth
 Date Issued: 01/11/2011
 Phone Number: 877 372 7248 Menu Option 1



**USDA FOREST SERVICE
BILL FOR COLLECTION**



BILL DATE: 05/21/07

PAGE: 01

ENCLOSE A COPY OF THIS BILL WITH YOUR CHECK OR MONEY ORDER.
DO NOT SEND CASH. PLEASE INCLUDE BILL NO. AND PAYER CODE
ON YOUR CHECK.
MAKE CHECK PAYABLE TO:
USDA FOREST SERVICE

MAIL PAYMENT TO:

USDA FOREST SERVICE
C/O CITIBANK
P.O. BOX 894183
LOS ANGELES, CA 90189-4183

TO:

AUGUSTA RESOURCE CORP
SUITE 1040
CHERRY CREEK SOUTH DRIVE
DENVER CO 80246

PAYER INDICATE
AMOUNT ENCLOSED:

NET AMOUNT DUE: \$ 240,000.00

DUE DATE: 06/20/07

BILL NUMBER: BA RACA7000967

PAYER CODE: 980487867 A

AGREEMENT NO: 0305-07-CO-024 CONTRACT NO:

DESCRIPTION: ADVANCE BILLING

REMARKS:

RE: PAYER CODE: 980487867 A BILL NO: BA RACA7000967

NOTE:

PLEASE SEND ALL CORRESPONDENCE, INQUIRIES, AND CHANGE OF ADDRESS
TO:

CORONADO N F
300 WEST CONGRESS ST
TUCSON, AZ 85701
520-388-8327

PRINCIPAL: \$ 240,000.00

INTEREST:

ADMINISTRATIVE COSTS:

PENALTY:

AMOUNT DUE: \$ 240,000.00

AMOUNT CREDITED:

NET AMOUNT DUE: \$ 240,000.00

FAILURE TO MAKE PAYMENT BY THE DUE DATE WILL RESULT IN THE
ASSESSMENT OF LATE PAYMENT CHARGES (INTEREST, ADMINISTRATIVE COST,
AND/OR PENALTY CHARGES) IN ACCORDANCE WITH YOUR CONTRACT, PERMIT,
OR THE DEBT COLLECTION ACT OF 1982, AS AMENDED. POSTMARKS ARE NOT
HONORED. LATE FEES DO NOT APPLY FOR BILLINGS IN ADVANCE OF RECEIPT
OF GOODS OR SERVICES

LINE: 001 ORG: 0305 JOB: CWFS2407

FS AGREEMENT# 07-CO-11030510-024.
PROJECT: 2 PHASES OF AUGUSTA ROSEMONT MINE PROJECT.
ADVANCE BILLING INCLUDING 13% OVERHEAD.
FOREST SERVICE PROJECT MANAGER: BEVERLY EVERSON 520-388-8428
AUGUSTA RESOURCE POC: SHERRY VARECKA 303-300-0134
BILLING INQUIRIES: 1-877-372-7248 MENU OPT 1 AND 3.

LINE	ORG	JOB	AMOUNT	LINE	ORG
001	0305	CWFS2407	\$ 240,000.00		

Yvonne
604-687-1717
Denver
Augusta
where to mail bill?

BT

Transaction Register: Billing and Collections Report by Job Code and Month

Southwestern Region **CORONADO** Fiscal Year: 2007

Last Month of TRBC Data Imported for this fiscal year Jun -- 2007

Job Code	Month	Vendor	WP RT Code	BOC Code	Trans Code	Doc Nbr	Line Nbr	Trans Type	Reference Information	Billed Amt (\$)	Collected Amt (\$)
CWFS2407	May	AUGUSTA RESOURCE CORP	MIS	0	BA	RACA700096	1	AC	ADVANCE BILLING	240,000.00	0.00
									Total for Month	240,000.00	0.00
	Jun	AUGUSTA RESOURCE CORP	MIS	0	LX	99717900015	1	AC	AUGUSTA RESOUR	-240,000.00	240,000.00
									Total for Month	-240,000.00	240,000.00
									Total for Job Code: CWFS2407	0.00	240,000.00



Heidi Schewel/R3/USDAFS

03/14/2008 05:26 PM

To

cc

bcc Norene Norris/R3/USDAFS

Subject News Release: Additional Open House on Rosemont
Copper Company Proposed Project EIS

For Immediate Release

Contact: Heidi Schewel (520) 388-8484

Coronado National Forest Plans Additional Public Meeting in Vail for Rosemont Copper Project EIS

(TUCSON, ARIZONA, March 14, 2008) – In addition to the three public meetings already scheduled for the proposed Rosemont Copper Project environmental impact statement (EIS), a fourth meeting will be scheduled in Vail, Arizona. The date, time, and location of the meeting will be announced as soon as possible.

“We may consider additional open house meetings to assure the public has ample opportunity to learn about this project and to provide input,” said Jeanine Derby, Forest Supervisor. “Those who cannot attend public meetings can still provide us with comments by mail, email, or fax. Comments submitted in these ways are given equal consideration to comments made at public meetings.”

All scheduled meetings are open houses, not “hearings.” The open house format is designed to allow attendees to view informational displays and ask specialists about the Rosemont Copper Project and the environmental impact statement (EIS) process, and 2) to submit written or oral comments onsite. Attendees can arrive at any time during the scheduled meetings.

Citizens are urged to read the Notice of Intent prior to attending meetings or submitting comments. The Notice of Intent is available online at www.fs.fed.us/r3/coronado/rosemont. Those without Internet access may request a hard copy by calling (520) 388-8300. Copies of the Notice of Intent will also be available at all public meetings.

The comments most useful for the EIS process should be directly related to issues associated with the *proposed action* described in the Notice of Intent, rather than general advocacy for or opposition to the project. Comments on the scope of the impacts analysis are welcome during the NEPA review until the draft EIS is issued for public comment (scheduled for March, 2009). However, they will be most useful if received during the public scoping period, which ends April 18, 2008.

The three initial public open-house meetings are scheduled this month, as follows:

1. March 18, 2008, Pima Community College Desert Vista Campus, 5901 South Calle Santa Cruz, Tucson, Arizona. 7:00 p.m. - 9:00 p.m.
2. March 19, 2008, Canoa Hills Recreation Center, 3660 South Camino del Sol, Green Valley, Arizona, 6:30 p.m. - 8:30 p.m.
3. March 20, 2008, Patagonia Union High School, Highway 82, Patagonia, Arizona, 6:00 p.m.- 8:00 p.m.

Alternatively, for those who do not attend meetings, agencies or individuals can submit comments by mail, FAX, or email as follows:

- Mail comments to Team Leader, Rosemont Copper Project, Coronado National Forest, 300 W. Congress St., Tucson, Arizona 85701
- FAX comments to (520) 388-8305, ATTN: Rosemont Team Leader
- Or email to comments-southwestern-coronado@fs.fed.us

For questions about the public meetings or the comment period, the public can call (520) 388-8300.

Questions about the EIS process should be directed to Ms. Andrea Campbell, Forest NEPA Coordinator, at 300 W. Congress St., Tucson, AZ 85701, or telephone (520) 388-8300.

Additional information about the proposed Rosemont Copper Project is available online at www.fs.fed.us/r3/coronado/rosemont.



News Release 031408.doc

Heidi Schewel
Coronado National Forest
Media Officer, Fire Information
Communications and Technology Team
Collateral: FOET Chair
(520) 749-7720 FAX (520) 749-7723
hschewel@fs.fed.us

**Kendra L
Bourgart/WO/USDAFS**
11/04/2008 11:39 AM

To Norene Norris/R3/USDAFS@FSNOTES, Daniel
Montez/R3/USDAFS@FSNOTES
cc Kendra L Bourgart/WO/USDAFS@FSNOTES
bcc

Subject Answers For USGS Equipment Questions

Dan and Norene,

I've received this information:

1. Who will own the stream gauge and unmanned cableway? USGS will always retain ownership of the equipment.
2. If either one is damaged, who will be responsible for their loss? USGS will always be responsible for loss or damage. That is why they charge the annual maintenance fee.
3. Is there more than one size and/or type of stream gauge? No, there is a set of equipment. After the equipment is installed, he will write a report that includes a description of the equipment and ongoing collection of data. The report is always available at the site and in the office. We can request a copy.
4. What size and type will be installed? N/A

Please let me know if you need anything else! I'm at X. 78390

Thank you, Kendra

Kendra L. Bourgart
USDA Forest Service
E-mail: klbourgart@fs.fed.us
Cell: 559-920-6113

Prescott Office:
Prescott National Forest
500 US Highway 89 North, Bldg 70
PO Box 9115
Prescott, AZ 86313
Desk: 928-443-8271
Fax: 928-443-8208 (call to confirm receipt)

Tucson Office:
Coronado National Forest
300 West Congress
Tucson, AZ 85701-0003
Desk: 520-388-8390
Fax: 520-388-8305

Norene Norris

10/27/2008 > All instruments Kendra has prepared for

Kendra L
Bourgart/WO/USDAFS

10/24/2008 04:34 PM

To Norene Norris/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES, Daniel
Montez/R3/USDAFS@FSNOTES
cc Reta Laford/R3/USDAFS@FSNOTES, Kendra L
Bourgart/WO/USDAFS@FSNOTES

bcc

Subject All instruments Kendra has prepared for the USGS
Inter-Agency Agreement

[attachment "1_ad_672_usgs_rosemont_stream_gauge.rtf" deleted by Norene
Norris/R3/USDAFS] [attachment "2_ad_672_supp_usgs_rosemont_stream_gauge.doc" deleted by



Norene Norris/R3/USDAFS] 3_2008_1003_confirm_private_land.doc 4_2008_1003_land_ownership_map.pdf

[attachment "5_info_for_norene.doc" deleted by Norene Norris/R3/USDAFS]



6_Mod_rosemont_collection_agree_for_usgs.doc

Greetings,

It is my understanding that Bev, Dan, and Norene have been discussing the creation of one modification to the Rosemont Collection Agreement in order to collect funds for the estimated FY09 forest project costs and the USGS stream gauge expenses of \$56,000.

For your convenience, I have attached all documents I've drafted and compiled for the USGS Inter-Agency Agreement (attachments #1-5) and the draft modification to the Rosemont Collection Agreement (attachment #6). Please forgive me if I am not referring to all the documentation accurately. I thought these documents could be helpful during your discussions.

I will be out of the office on Monday, October 27, but available by cell phone at 559-920-6113.

Thank you, Kendra

Kendra L. Bourgart
USDA Forest Service
E-mail: klbourgart@fs.fed.us
Cell: 559-920-6113

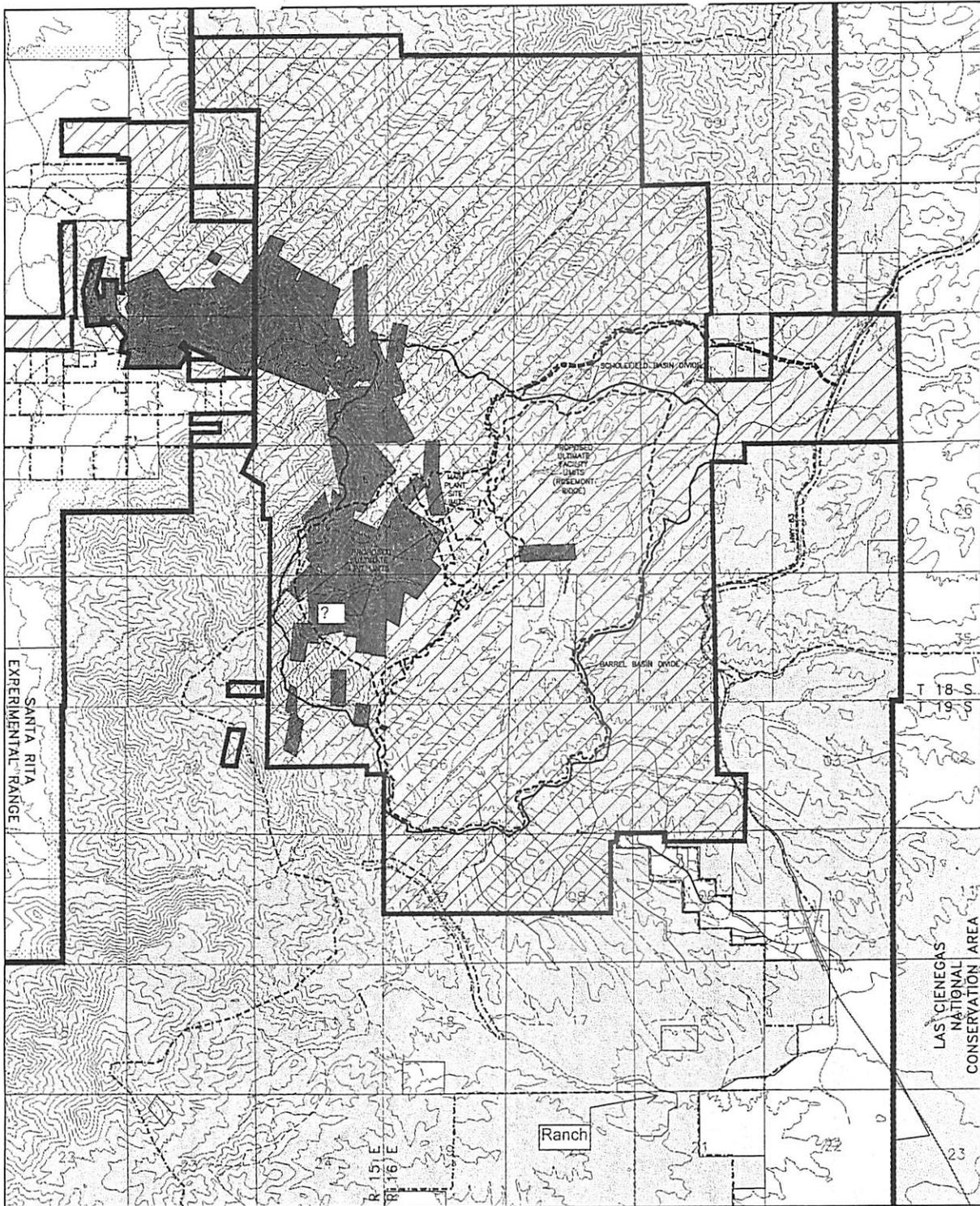
Prescott Office:
Prescott National Forest
500 US Highway 89 North, Bldg 70
PO Box 9115
Prescott, AZ 86313
Desk: 928-443-8271
Fax: 928-443-8208 (call to confirm receipt)

Tucson Office:

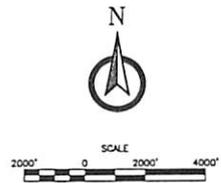
Norene Norris

10/27/2008 > All instrume...s Kendra has prepared fo

Coronado National Forest
300 West Congress
Tucson, AZ 85701-0003
Desk: 520-388-8390
Fax: 520-388-8305



- LEGEND**
-  ROSEMONT UNPATENTED CLAIMS
 -  PATENTED CLAIMS
 -  ROSEMONT PRIVATE LAND
 -  CORONADO NATIONAL FOREST BOUNDARY
 -  CORONADO NATIONAL FOREST
 -  BLM
 -  STATE TRUST
 -  PRIVATE LAND
 -  GRAZING LAND BOUNDARY
 -  FACILITY FOOTPRINT



NOTE: EXISTING GROUND CONTOUR INCREMENTATION IS 100'

MARCH 2008



FIGURE 1
LAND POSITION MAP
ROSEMONT COPPER PROJECT

Norene Norris

07/29/2008 Re: Fw: Mod. J1 to Collection Agreement



Beverley A
Everson/R3/USDAFS
03/24/2008 10:44 PM

To Norene Norris/R3/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES

cc

bcc

Subject Re: Fw: Mod. 01 to Collection Agreement,
07-CO-11030510-024 

Hi Norene,

This is what I was looking for, and the FOP is what I had sent you so it should be correct. (I will forward that to you also, Reta).

Stay tuned, however, as we may be making more changes to the Agreement, to add another hydrologist to the team.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

Norene Norris/R3/USDAFS



Norene Norris/R3/USDAFS
03/05/2008 03:23 PM

To Beverley A Everson/R3/USDAFS@FSNOTES

cc

Subject Fw: Mod. 01 to Collection Agreement,
07-CO-11030510-024

Have you had a chance to look at the mod yet?

Norene Norris, Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

"Let us dare to read, think, speak, & write."

Norene Norris

07/29/2008Re: Fw: Mod. 01 to Collection Agreement

John Adams, 1765

----- Forwarded by Norene Norris/R3/USDAFS on 03/05/2008 03:22 PM -----



Norene Norris/R3/USDAFS

To Beverley A Everson/R3/USDAFS

02/12/2008 12:57 PM

cc

Subject Mod. 01 to Collection Agreement, 07-CO-11030510-024

Here's the current iteration of the modification. Please approve, or suggest changes, before I send it to Rosemont. Thanks!

[attachment "2008_Rosemont_Mod01.doc" deleted by Norene Norris/R3/USDAFS]

Norene (Don't Shoot Me, I'm Just the Piano Player) Norris,
Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

"Hope springs a kernel."
Denny Crane

Norene Norris

02/17/2008 > Re: Cost Recovery Agreement modificat



Beverley A
Everson/R3/USDAFS
02/04/2008 03:19 PM

To Norene Norris/R3/USDAFS@FSNOTES
cc
bcc
Subject Re: Cost Recovery Agreement modification



Rosemont AOP.doc

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

Norene Norris/R3/USDAFS



Norene Norris/R3/USDAFS
01/31/2008 01:08 PM

To Beverley A Everson/R3/USDAFS@FSNOTES
cc
Subject Re: Cost Recovery Agreement modification

Also, per our discussion, I'll need a revised Annual Operating Plan, clearly stating what is carryover, & what amount we're asking for to cover FY08 expenses.

Norene (Don't Shoot Me, I'm Just the Piano Player) Norris,
Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

"Hope springs a kernel."
Denny Crane

Beverley A Everson/R3/USDAFS



Beverley A
Everson/R3/USDAFS
01/28/2008 01:07 PM

To Norene Norris/R3/USDAFS@FSNOTES
cc

Norene Norris

02/17/2008 > Re: Cost Recovery Agreement modificat



Subject Cost Recovery Agreement modification

Hi Norene,

As we discussed this morning, the modification should have shown the Coronado receiving \$240,000 per year from Rosemont Copper Company, which would include any carryover from the previous year. Thus, for this year, we're entitled the carryover from 2007, plus whatever additional amount makes a total of \$240,000 for FY 08. Also, the agreement should read that the company agrees to fund us for \$240,000 *per year*, not for the duration of the agreement.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

Norene Norris

11/04/2008 > Draft Rosemont Project FY 2009 AOP

Kendra L
Bourgart/WO/USDAFS
11/03/2008 05:36 PM

To Norene Norris/R3/USDAFS@FSNOTES
cc Beverley A Everson/R3/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES, Daniel
Montez/R3/USDAFS@FSNOTES, David J
Evans/R3/USDAFS@FSNOTES, Kendra L
Bourgart/WO/USDAFS@FSNOTES
bcc
Subject Draft Rosemont Project FY 2009 AOP



2008_1103_fy09_rosemont_aop.doc

Norene,

I've attached a draft FY 2009 Annual Operating Plan for the Rosemont Copper Project EIS. I believe this is needed for the agreement we hope to present to the proponent at a 1 pm meeting on November 4.

I will be in the office early on Tuesday morning. I will call you to inquire what I need to do next to support this effort.

Thank you! Kendra

Kendra L. Bourgart
USDA Forest Service
E-mail: klbourgart@fs.fed.us
Cell: 559-920-6113

Prescott Office:
Prescott National Forest
500 US Highway 89 North, Bldg 70
PO Box 9115
Prescott, AZ 86313
Desk: 928-443-8271
Fax: 928-443-8208 (call to confirm receipt)

Tucson Office:
Coronado National Forest
300 West Congress
Tucson, AZ 85701-0003
Desk: 520-388-8390
Fax: 520-388-8305

GRANTS & AGREEMENTS ROUTING SLIP

AGREEMENT NUMBER: Mod. 03 to 08-MU-11030510-010 UNIT: Minerals
COOPERATOR NAME: Rosemont Copper Co. PM: Everson
PROJECT: Copper production NEPA

For Review and Routing -

Dan - O
Budget Officer

Date & Initials: [Signature] 2/4/09

Comments: _____

Sylvia
Contracting Officer

Date & Initials: [Signature] 2/5/09

Comments: _____

Everson
Staff Officer

Date & Initials: [Signature] 2-6-2009

Comments: _____

Jeanine
Forest Supervisor

Date & Initials: [Signature] 2/6/09

Please sign 2 originals.

Please sign all 2 tabs.

Return to Norene. Thank you!



Comments/Reminders: ↓ Enter in I-Web
Scan + file



PLEASE DO NOT HOLD OVER 2 (TWO) DAYS!! THANK YOU.

Project Header

Project Totals

Name: SO/ALM - Rosemont Mine Project - CWFS24
Description:
National Goal: 5 - Maintain Basic Management Capabilities of the Forest Service
Objective: 5.0.0 - Maintain Basic Management Capabilities of the Forest Service
Leader: Bill Jones **Fiscal Year:** 2008
Unit Priority: **Unit:** CORONADO
Approved: Yes **Status:**
Stewardship Contract?: No
Project UDF 1:
Project UDF 2:
Project UDF 3:
Project UDF 4:

Total Personnel Costs:	\$178,865
Total Fleet Cost:	\$5,904
Total Other Cost:	\$109,412
Total Project Cost:	\$294,181

Activities

CWFS	
Job Code: CWFS24	
Activity Name	Allocated Cost
CWFS-LA	\$294,181
BLI Total	\$294,181
Activity Total	\$294,181
Balance	\$0

Comments: Agreement #07-CO-11030510-024

Created by David Evans on 2007-07-13

Last Modified by Bill Jones on 2008-07-29

Accomplishments

CWFS
CWFS-LA
No accomplishments found.

Personnel

Personnel	Rate/day	CWFS	Total Days	Total
ABLE, JOHN	\$307.00	\$5,526	18	\$5,526
BONE, DYAN	\$149.00	\$447	3	\$447
BROWN, KENDALL	\$317.00	\$3,170	10	\$3,170
CAMPBELL, ANDREA	\$434.00	\$26,040	60	\$26,040
CLARK, LAUREN	\$109.00	\$1,199	11	\$1,199
EMMETT, TAMRA	\$288.00	\$2,880	10	\$2,880
EVERSON, BEVERLEY	\$365.00	\$69,715	191	\$69,715
FARRELL, MARY	\$358.00	\$7,160	20	\$7,160
GILLESPIE, WILLIAM	\$342.00	\$10,260	30	\$10,260
JONES, JANET	\$205.00	\$10,250	50	\$10,250
JONES, LAWRENCE	\$338.00	\$3,380	10	\$3,380
KRIEGEL, DEBORAH	\$340.00	\$8,500	25	\$8,500
MCKAY, GEORGE	\$355.00	\$5,325	15	\$5,325
SCHEWEL, HEIDI	\$248.00	\$3,968	16	\$3,968
SEBESTA, DEBORAH	\$291.00	\$7,275	25	\$7,275
SHAFIQULLAH, SALEK	\$306.00	\$13,770	45	\$13,770
Total		\$178,865	539	\$178,865

Fleet

Fleet	FOR Rate/Month	Months	Use Rate	Use Units	CWFS	Total
5707 - ESCAPE 4X4 HYBRID	\$353	4	\$0.26/MILE	8,400	\$4,564	\$4,564
5964 - JEEP RUBICON	\$353	1	\$0.26/MILE	2,722	\$1,340	\$1,340
				Total	\$5,904	\$5,904

Other Resources

Other Resources	Units Needed	CWFS	Total
Contingency	11,315 DOLLAR US	\$11,315	\$11,315
Contracts	82,729 DOLLAR US	\$82,729	\$82,729
Copier Maintenance Agreement	1,800 DOLLAR US	\$1,800	\$1,800



United States
Department of
Agriculture

Forest
Service

Coronado National Forest

300 W. Congress
Tucson, Arizona 85701
Phone (520) 388-8300
FAX (520) 388-8305

File Code: 1580

Date: April 2, 2010

Rosemont Copper Company
ATTN: Sherry Varecka
4500 Cherry Creek South Drive, Suite 1040
Denver CO 80246

Ref: Modification No. 04 to Collection Agreement, 07-CO-11030510-024

Dear Ms. Varecka:

Enclosed is your fully executed copy of the referenced modification. Please note the pen and ink change to the amount field on the face of the modification. The figure now represents the project cost plus the eight (8) percent overhead, as shown on the financial plan. I apologize for this omission on the face page.

Please call me at 520.388.8325 if you have any questions. Thank you for your cooperation.

Sincerely,

NORENE NORRIS
Grants & Agreements Coordinator

Enclosure





ROSEMONT

Bridging to a S

TRANS



National Minerals Training Office
Missoula, Montana
406-329-3575

No one,

Ready for billing?

Mundee

Excellence in Training

**TO: JEANINE DERBY
FOREST SUPERVISOR
CORONADO FOREST
300 W. CONGRESS
TUCSON, AZ 85701**

**FROM: JAMIE STURGESS
ROSEMONT COPPER CO.
4500 CHERRY CREEK S. DR.
SUITE 1040
DENVER, CO 80246**

**FOR: INFORMATION
USE
SIGNATURE
STAMP
REVIEW
FILE**

<input type="checkbox"/>
<input type="checkbox"/>
<input checked="" type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input checked="" type="checkbox"/>

ENCLOSURE(S):

1. **MODIFICATION #04 TO USFS AGREEMENT 09-CO-11080510-024 (2)**

2. _____
3. _____

COMMENTS:

**PLEASE SIGN BOTH COPIES OF THE AGREEMENT. KEEP ONE FOR
YOUR FILES AND RETURN THE OTHER TO OUR DENVER OFFICE.**

THANKS!

There was no routing slip on this one - 11²



United States
Department of
Agriculture

Forest
Service

Coronado National Forest

300 W. Congress
Tucson, Arizona 85701
Phone (520) 388-8300
FAX (520) 388-8305

File Code: 1580

Date: February 18, 2010

Rosemont Copper Company
ATTN: Sherry Varecka
4500 Cherry Creek South Drive, Suite 1040
Denver CO 80246

Ref: Modification No. 04 to Collection Agreement, 07-CO-11030510-024

Dear Ms. Varecka:

Enclosed are two copies of the referenced modification. Please obtain the necessary signatures, and return both copies to me for completion. Upon execution of the modification, I will return your copy to you.

Please call me at 520.388.8325 if you have any questions. Thank you for your cooperation.

Sincerely,

NORENE NORRIS
Grants & Agreements Coordinator

Enclosure (2)



From Please print and press hard.
Date 11-24-09 Sender's FedEx Account Number 1053-0522-2 SENDER'S FEDEX ACCOUNT NUMBER ONLY

Sender's Name Mindee Roth Phone (520)388-8319

Company USDA/CORONADO NAT'L FOREST

Address 300 W CONGRESS ST STE 5F

City TUCSON State AZ ZIP 85701-1371

Your Internal Billing Reference 10-0058 CWFS24
First 24 characters will appear on invoice.

To Recipient's Name Jamie Sturgess Phone (303)300-0134

Company Rosemont Copper Co. HOLD Weekday HOLD Saturday
Print FedEx location address below. NOT available for FedEx First Overnight. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Address 4500 Cherry Creek South Dr. Suite 1040

Address Denver State CO ZIP 80246

0411053376

 **Schedule a pickup at fedex.com**
Simplify your shipping. Manage your account. Access all the tools you need.

4a Express Package Service * To most locations. Packages up to 150 lbs.
 FedEx Priority Overnight Next business morning. * Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
 FedEx Standard Overnight Next business afternoon. * Saturday Delivery NOT available.
 FedEx First Overnight Earliest next business morning delivery to select locations. * Saturday Delivery NOT available.
 FedEx 2Day Second business day. * Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
 FedEx Express Saver Third business day. * Saturday Delivery NOT available.

4b Express Freight Service ** To most locations. Packages over 150 lbs.
 FedEx 1Day Freight Next business day. ** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected. FedEx 1Day Freight Booking No. CALL 1 800 422 8289
 FedEx 2Day Freight Second business day. ** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
 FedEx 3Day Freight Third business day. ** Saturday Delivery NOT available.

5 Packaging * Declared value limit \$200.
 FedEx Envelope* FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. FedEx Box FedEx Tube Other

6 Special Handling and Delivery Signature Options
 SATURDAY Delivery NOT available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
 No Signature Required Package may be left without obtaining a signature for delivery.
 Direct Signature Someone at recipient's address may sign for delivery. *Fee applies.*
 Indirect Signature If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?
 One box must be checked.
 No Yes As per attached Shipper's Declaration. Yes Shipper's Declaration not required. Dry Ice Dry Ice, 5 UN 1845 _____ x _____ kg
 Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box. Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below.
 Sender Acct. No. in Section 1 will be billed. Recipient Third Party Credit Card Cash/Check
 FedEx Acct. No. _____ Exp. Date _____
 Credit Card No. _____

Total Packages _____ Total Weight _____ Total Declared Value* _____
 lbs. \$ _____ .00

*Our liability is limited to \$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability. 553

Norene,
I sent an executed copy back to Rosemont on 11/24. Thx. Mindee

Norene Norris

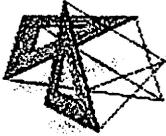
02/05/2008Fw: Cost Recovery Agreement modification

David J Evans/R3/USDAFS
01/31/2008 01:22 PM

To Norene Norris/R3/USDAFS@FSNOTES
cc
bcc
Subject Fw: Cost Recovery Agreement modification

fyi...

----- Forwarded by David J Evans/R3/USDAFS on 01/31/2008 01:22 PM -----



Bill T Jones/R3/USDAFS
01/31/2008 09:13 AM

To Beverley A Everson/R3/USDAFS@FSNOTES
cc David J Evans/R3/USDAFS@FSNOTES
Subject Re: Fw: Cost Recovery Agreement modification 

The carryover from 07 was \$186,800 according to allocation letter 03-05-13.

Bill Jones
Eng. Tech.
Coronado N.F.
520-388-8418
btjones@fs.fed.us
Beverley A Everson/R3/USDAFS



Beverley A
Everson/R3/USDAFS
01/30/2008 04:40 PM

To David J Evans/R3/USDAFS@FSNOTES, Bill T
Jones/R3/USDAFS@FSNOTES
cc
Subject Fw: Cost Recovery Agreement modification

Can one of you tell me how much carry over we had from CWFS24 from FY2007? Thanks.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

Norene Norris

02/05/2008Fw: Cost Recovery Agreement modification

----- Forwarded by Beverley A Everson/R3/USDAFS on 01/30/2008 04:38 PM -----



Norene Norris/R3/USDAFS

01/30/2008 04:03 PM

To Beverley A Everson/R3/USDAFS@FSNOTES

cc

Subject Re: Cost Recovery Agreement modification 

Thanks for the clarification. Just let me know what amounts to plug in.

Norene (Don't Shoot Me, I'm Just the Piano Player) Norris,
Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

"Hope springs a kernel."
Denny Crane

Beverley A Everson/R3/USDAFS



Beverley A
Everson/R3/USDAFS

01/28/2008 01:07 PM

To Norene Norris/R3/USDAFS@FSNOTES

cc

Subject Cost Recovery Agreement modification

Hi Norene,

As we discussed this morning, the modification should have shown the Coronado receiving \$240,000 per year from Rosemont Copper Company, which would include any carryover from the previous year. Thus, for this year, we're entitled the carryover from 2007, plus whatever additional amount makes a total of \$240,000 for FY 08. Also, the agreement should read that the company agrees to fund us for \$240,000 *per year*, not for the duration of the agreement.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701



Heidi Schewel/R3/USDAFS

03/11/2008 04:00 PM

To

cc

bcc Norene Norris/R3/USDAFS

Subject News Release: Coronado National Forest to Prepare Environmental Impact Statement for Rosemont Copper Project

For Immediate Release Contact: Heidi Schewel (520) 388-8484

Coronado National Forest to Prepare Environmental Impact Statement for Rosemont Copper Project

(TUCSON, ARIZONA, March 11, 2008) Coronado National Forest Supervisor Jeanine Derby submitted a Notice of Intent for publication in the Federal Register to initiate preparation of an Environmental Impact Statement (EIS) for the proposed Rosemont Copper Project.

The EIS will disclose the potential environmental and social effects anticipated as a result of the proposed Rosemont Mine Plan of Operation (MPO), including construction and operation of an open-pit mine and related facilities, and will determine if the Forest Plan must be amended to allow such mining activities. In addition, the EIS may evaluate other connected actions related to the MPO, such as construction of roads and utilities.

As proposed, the Rosemont Copper Project would be located 30 miles southeast of Tucson, in Pima County, on approximately 995 acres of private land, 3,670 acres of National Forest land, 15 acres of land administered by the Bureau of Land Management, and 75 acres of State Trust land.

While the Forest Service assumes the role of lead agency in preparation of the EIS, many other federal, state, and local government agencies with jurisdiction may also participate. To assist with preparation of the EIS, the Forest Service has selected SWCA Environmental Consultants based in Phoenix, Arizona. The proponent, Rosemont Copper Company, is responsible for the cost of preparing the EIS.

A draft EIS may be available for public review by March, 2009, with a final EIS projected for completion by November, 2009.

The Forest Service encourages public participation in the EIS process. Three initial public open-house meetings are scheduled this month, as follows:

1. March 18, 2008, Pima Community College Desert Vista Campus, 5901 South Calle Santa Cruz, Tucson, Arizona. 7:00 p.m. - 9:00 p.m.
2. March 19, 2008, Canoa Hills Recreation Center, 3660 South Camino del Sol, Green Valley, Arizona, 6:30 p.m. - 8:30 p.m.
3. March 20, 2008, Patagonia Union High School, Highway 82, Patagonia, Arizona, 6:00 p.m.- 8:00 p.m.

Other meetings may be scheduled as needed.

Alternatively, for those who do not attend meetings, an initial public comment period runs through April 18, 2008. Agencies or individuals can submit comments by mail, FAX, or email as follows

Mail comments to Team Leader, Rosemont Copper Project, Coronado National Forest, 300 W. Congress St., Tucson, Arizona 85701

FAX comments to (520) 388-8305, ATTN: Rosemont Team Leader

Or email to comments-southwestern-coronado@fs.fed.us

For questions about the public meetings or the comment period, the public can call (520) 388-8300. Questions about the EIS process should be directed to Ms. Andrea Campbell, Forest NEPA Coordinator, at 300 W. Congress St., Tucson, AZ 85701, or telephone (520) 388-8300.

Additional information about the proposed Rosemont Copper Project, including the Notice of Intent, is available online at www.fs.fed.us/r3/coronado/rosemont.



rosemont-noi-news-release 031108.pdf

Heidi Schewel
Coronado National Forest
Media Officer, Fire Information
Communications and Technology Team
Collateral: FOET Chair
(520) 749-7720 FAX (520) 749-7723
hschewel@fs.fed.us

NEWS RELEASE

USDA Forest Service
Coronado National Forest
300 West Congress
Tucson, AZ 85701
www.fs.fed.us/r3/coronado



For Immediate Release

Contact: Heidi Schewel (520) 388-8484

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- Or email to comments-southwestern-coronado@fs.fed.us

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Additional information about the proposed Rosemont Copper Project, including the Notice of Intent, is available online at www.fs.fed.us/r3/coronado/rosemont.



United States
Department of
Agriculture

Fore.
Service

Coronado National Forest

300 W. Congress
Tucson, Arizona 85701
Phone (520) 388-8300
FAX (520) 388-8305

File Code: 1580

Date: December 17, 2008

Rosemont Copper Company
ATTN: Sherry Varecka
4500 Cherry Creek South Drive, Suite 1040
Denver CO 80246

Ref: Modification No. 02 to Memorandum of Understanding, 08-MU-11030510-010

Dear Ms. Varecka:

Enclosed is a fully executed copy of the referenced modification.

Please call me at 520.388.8325 if you have any questions. Thank you for your cooperation.

Sincerely,

NORENE NORRIS
Grants & Agreements Coordinator

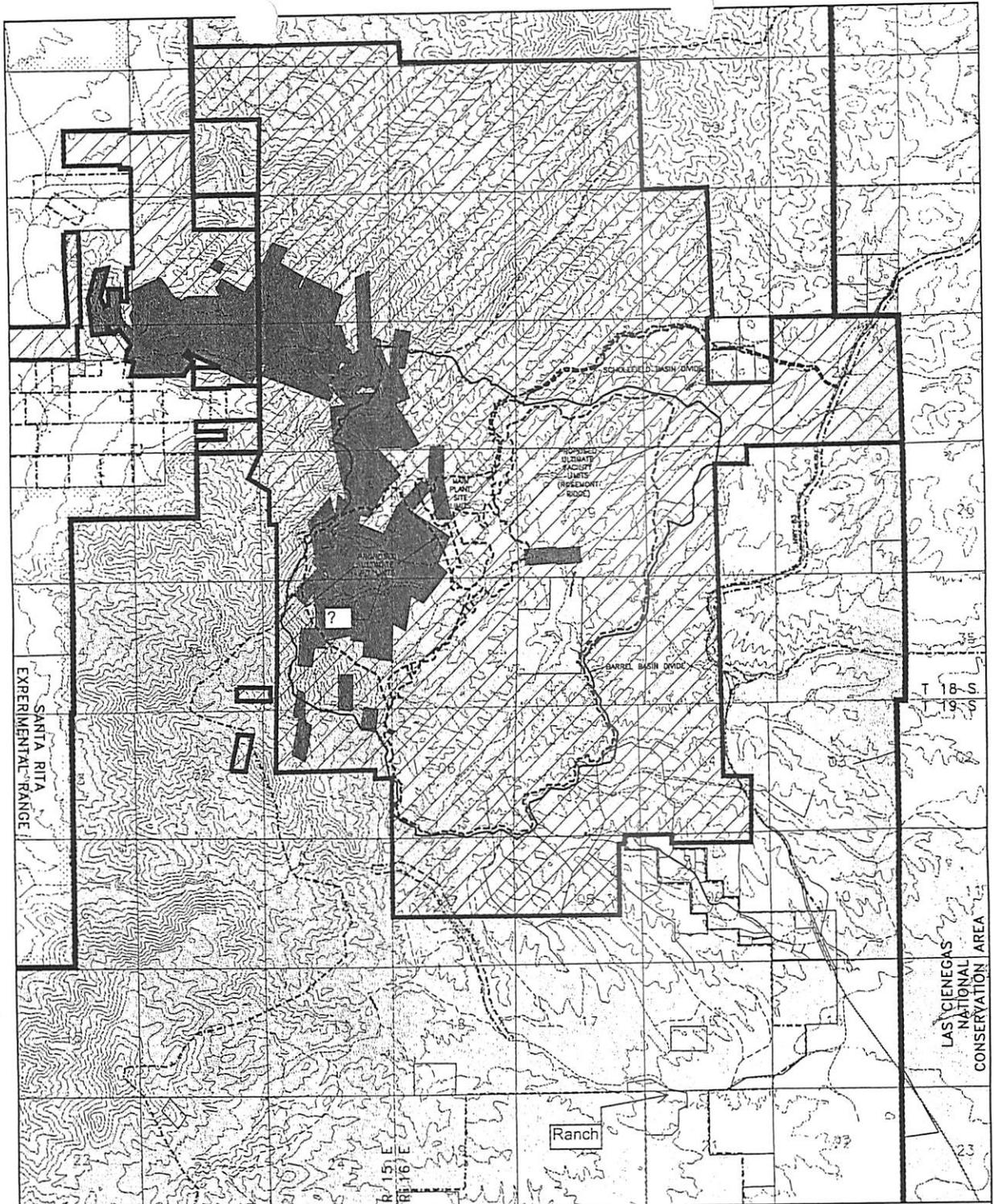
Enclosure



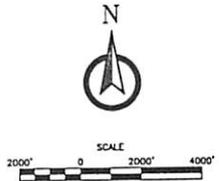
It's Cool to Be Safe

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- LEGEND**
-  ROSEMONT UNPATENTED CLAIMS
 -  PATENTED CLAIMS
 -  ROSEMONT PRIVATE LAND
 -  CORONADO NATIONAL FOREST BOUNDARY
 -  CORONADO NATIONAL FOREST
 -  BLM
 -  STATE TRUST
 -  PRIVATE LAND
 -  GRAZING LAND BOUNDARY
 -  FACILITY FOOTPRINT



NOTE: EXISTING GROUND CONTOUR INCREMENTATION IS 100'

MARCH 2008



FIGURE 1
LAND POSITION MAP
ROSEMONT COPPER PROJECT



Reimbursable and Advance Collection Agreement Transmittal Form

Albuquerque Service Center (B&F)
Reference FSH 6509.11k, Chapter 50



For 1580 purview agreements; form to be completed via I-Web G&A Collections Request

Agreement Information

Forest Service Contact Information

1. FS agreement number:

2. Cooperator agreement number, project number or other identifying number pertinent to cooperator:

3. Purpose of transmittal (check one only):

New Agreement

Modification

Roll Job Code to new year (not included in automated rollover)

Closeout Request (Complete Blocks 1,2,3, 9 only & attach FS-6500-243)

Other (explain):

4. Expiration Date (Month/Day/Year):

5. For multi-year agreements, do agreement terms and/or annual operating plan clearly state the period of performance and identify any restrictions on annual spending?

Yes

No > Stop. Agreement must be modified to clearly state this information.

6. Is the decision whether or not to assess overhead documented within the terms of the agreement (ref. FSH 1909.13, Chapter 40)?

Yes

No > Stop. Agreement must be modified to address this decision.

7. If no overhead is to be assessed, check all applicable criteria below:
Identify which criteria of FSH 1909.13, Ch 40, Sec 40.61 is applicable:

1a. Cooperator is not federal agency under Economy Act and funds contribute toward accomplishment of FS goals & mutual benefit between FS & cooperator exists.

1b. Funds are obtained from a grant, donation, non-cash contribution, reimbursement for invitational travel, or pass-through funds that do not create significant additional indirect costs.
Note. Item 2 is not applicable to external cooperators and is excluded.

8. Optional field
A job code(s) will be assigned by ASC RACA to record project costs. Job code description appears on project management financial reports. If project manager has a preferred description to better identify project on job code listings or reports, enter below.
Job Code Description:
Limit 25 Characters:

9. Required attachments:

Executed copy of agreement with AOP:

FS-6500-243:

10. Remarks:

11. Region and Unit number (RRUU):

12. Project Manager:

First name:

Last name:

Contact telephone number:
(Include area code)

13. Grants and Agreements Specialist:

First name:

Last name:

Contact telephone number:
(Include area code)

14. Unit-level Budget contact:

First name:

Last name:

Contact telephone number:
(Include area code)

Cooperator Contact Information

15. Cooperator name:

16. Cooperator Taxpayer Identification Number (TIN):

17. Federal (non-USDA)

a. Agency Location Code (ALC):

b. Obligating Document No.:

c. Treasury Symbol:

18. USDA Agency

a. Common Agreement Number (CAN):

b. Obligating Document No.:

c. Treasury Symbol:

19. Cooperator administrative contact:

First name:

Last name:

Contact telephone number:
(Include area code)

E-mail address:



Norene Norris

02/03/2010 > Fw: TEAM Support to the Rosemont C

Daniel Montez/R3/USDAFS
02/01/2010 08:25 AM

To Norene Norris/R3/USDAFS@FSNOTES
cc
bcc
Subject Fw: TEAM's support to the Rosemont Copper Project EIS
(Coronado NF)

I'm sure the financial plan will need to be modified. I'm not sure that needs to be an agreement modification though...

Daniel R. Montez
Budget Officer
Coronado National Forest
(520) 388-8323 Office
(520) 820-2545 Cell
(520) 388-8331 FAX
dmontez@fs.fed.us

----- Forwarded by Daniel Montez/R3/USDAFS on 02/01/2010 08:24 AM -----

Reta Laford/R3/USDAFS

01/29/2010 07:51 PM

To Alice A Allen/WO/USDAFS@FSNOTES, Melinda D
Roth/R3/USDAFS@FSNOTES, Daniel
Montez/R3/USDAFS@FSNOTES, tfurgason@swca.com
cc Rochelle Desser/WO/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES
Subject TEAM's support to the Rosemont Copper Project EIS
(Coronado NF) 

TEAMS: Information as requested . . .

1. Forest Contact - Reta Laford (505-452-7557) and Melinda "Mindee" Roth (520-388-8319)
2. Forest Fiscal Contact - Dan Montez (520-388-8323)
3. Job Code/over ride - CWFS24 03/05

Mindee / Dan - Jeanine and I have made arrangements for focused support to the Rosemont Copper Project by TEAM's Rochelle Desser. Rosemont Copper Company has agreed to fund her support through the CWFS24 job code. She will provide support both on-site and virtually.

Rochelle will be responsible for reviewing and editing the DEIS into a succinct document that will meet the Regional Office's expectations. To do this, she will work and confer with both FS and IDT specialists, as well as the Regional Office.

Rochelle will have editorial liberty to:

1. Identify draft text that would be better served outside the body of the DEIS in an appendix to the DEIS or the Project Record.
2. Edit draft text to emphasis key material responsive to the issues and/or Regional expectations.
3. Edit draft text to de-emphasis non-key material.
4. Write or re-write DEIS materials.

Rochelle will need to be aware of critical path scheduling and progress of ongoing work so that she can appropriately engage. However, I do not expect her engagement to be consumed by meetings. She needs to have time to focus on reviewing and editing the DEIS, in conference with specialists and the Regional Office as appropriate.

Rochelle will work with both of you to further refine the best way to integrate her focused efforts for notable progress towards preparing a succinct DEIS.

Here is some info on Rochelle . . .



Rochelle Desser resume 2010-tucson.docx

Tom - Please email Rochelle (rdesser@fs.fed.us) and me the Forest IDTs input on the latest draft of the DEIS. Thx.

Reta Laford, Deputy Forest Supervisor

USDA Forest Service, Coronado National Forest
300 W Congress Street, Tucson, AZ 85701

Phone: 520-388-8307 (office), 505-452-7557 (cell)

Fax: 520-388-8305

Email: rlaford@fs.fed.us

Schelle Desser Resume – Januar, 2010

- # 20 years NEPA experience, nationwide, mainly in R2, R5, R6 and Oregon BLM
- # De facto supervisor as IDT Leader on 15 large projects since 1997.
- # Experience with all levels of planning from district CE's to EIS's signed by the Secretary of Agriculture and the Secretary of the Interior (see attached table).
- # All of the NEPA projects under my leadership have been upheld under FS administrative appeal process (or not appealed), despite working on many controversial, complex, high profile and large projects.
- # Successful working relationships with federal, state and local regulatory and other agencies, and the public.
- # The programmatic R6 FEIS/ROD for invasive plant management (amending all Forest Plans in Oregon and Washington) was appealed and upheld by the WO in 2006. I was responsible for public comment content analysis and response, maintaining NEPA sufficiency on the EIS, writing the ROD, and preparing the appeal record.
- # Since 2004 and ongoing through 2010, I am serving as the NEPA Coordinator for the Invasive Plant Program for R6, working out of the Regional Office, providing training, document review, public involvement, monitoring, technical analysis and team leadership services for Oregon and Washington.
- # Experience planning all types of projects including forestry, herbicide, mining, transportation planning and watershed restoration.
- # Have held a variety of series (401, 101, 1301, 1082) and grades (GS 9, 11 and 12) since 1991.
- # My academic background is in Interdisciplinary Studies (Sonoma State University) and Earth Science (I have a AA degree in geo-technology from Flathead Valley College), including mineralogy, engineering, and hydrology coursework.
- # I have a knack for concise writing, and a lifelong interest in ecology.
- # I have more than 30 years of experience in forestry, starting as a tree planter and timber stand examiner in 1979.
- # My leadership style is supportive and individual-oriented. I enjoy being in service to my colleagues: providing direction and mentoring, listening and offering suggestions, and removing barriers. I use humor, food, games and prizes, and other activities to build quick rapport with employees.
- # Other interests involve water sports (kayaking, swimming, scuba diving), arts, literature and music.

PROJECTS SINCE 1997

Project	Where	When	Details
Thom-Seider Vegetation and Fuels Management EIS	Klamath National Forest (NF)	2007-2009	IDT Leader for project to reduce fuels across a 130,000 acre area surrounding communities on the Klamath River. Managed collaborative community involvement as per HFRA. Environmental groups' objections have been resolved and project is currently being implemented.
R6 Invasive Plant Training and Coordination	FS Region Six (Oregon and Washington)	2004-present	Provide training and mentoring for all R6 forests in NEPA for Invasive Plant Projects. Appeal Coordination. Developed Early Detection/Rapid Response analysis methodology. Coordinate region-wide invasive plant monitoring.
R6 Invasive Plant Program EIS	FS Region Six (Oregon and Washington)	2004-2006	Led public comment content analysis and response process for 2 state EIS involving herbicides, provided NEPA sufficiency review, worked with specialists on individual analysis and report writing.
Project Level Forest Invasive Plant EIS's and EA's	8 separate projects on 12 National Forests, Grasslands, and Scenic Areas	2005 - present	IDT Leader or principle NEPA advisor for EAs and EISs for invasive plant treatments (including herbicide) that follow the programmatic EIS standards for R6.
Boulder-Dumont LSR Thinning EA	Umpqua NF	2004-2005	IDT Leader, writer-editor, economic analysis, not appealed, implemented.
Matheny LSR Thinning EA	Olympic NF	2003-2004	IDT Leader, writer-editor, economic analysis, not appealed, implemented.
Lake of the Woods Forest Plan Amendment EA	Winema NF	2003-2004	IDT Leader, writer-editor, required Regional Ecosystem Office approval, not appealed, implemented.
Briles Fender Bald Eagle Habitat Project	Modoc NF	Winter 2003	NEPA Consultant, 3 DM's, mentored district IDT on streamlined process, projects implemented.
Rodeo-Chediski WUI EA	Apache Sitgreaves NF	Fall 2003	I converted a litigated CE to an EA. Project implemented.
Aquatic Conservation Strategy Amendment EIS	BLM, FS CA, OR, WA	2003	Environmental Coordinator for ACS EIS, Record of Decision signed by Secretaries of Agriculture and the Interior, litigated.
Power Vegetation Management/ Timber Sale	Black Hills NF	2001-2003	IDT Leader, writer-editor, economic analysis for timber sale, appealed by an environmental group, decision upheld.
Spearfish Canyon Landscape Assessment	Black Hills NF	2001-2002	IDT Leader, writer-editor, public involvement specialist, high public interest and controversy.
Trout West Fuels Reduction EIS	Pike-San Isabel NF	2001-2003	IDT Leader, writer-editor, economic analysis, municipal watershed, not appealed.
Beaver Creek Watershed Analysis	Siuslaw NF	Summer 2001	Writer-editor, watershed restoration on mixed ownerships.
Upper Illinois River Landscape Management Project	Siskiyou NF, Medford BLM	1999-2001	IDT Leader on a joint, comprehensive watershed-scale plan for Forest Service and Bureau of Land Management.
Nicore Mining Project	Siskiyou NF, Medford BLM	1997-1999	IDT Leader for the Nicore Mining POO Environmental Impact Statement. The Forest Supervisor decision was upheld by the RO in three appeals.
Alleman Special Use Permit	Siskiyou NF	1997	IDT Leader, wrote FEIS and ROD for Regional Forester decision regarding motorized use in wilderness to patented mine inholding. Decision upheld under appeal to WO.



United States
Department of
Agriculture

Forest
Service

Coronado National
Forest

300 W. Congress St.
Tucson, AZ 85701
(520) 388-8300
TDD (520) 388-8304
FAX (520) 388-8305

File Code: 6520

Date: July 30, 2009

Route To:

Subject: FY 2009 Allocation (03-05-41)

To: ALM Program Leader:

Your FY 2009 allocations are revised as follows:

Job Code	Project Name	Previous Allocation	This Allocation	Current Allocation
CWFS24	Rosemont Mine	\$536.6M	\$133.8M	\$670.4M

This allocation letter is for \$133,770 under agreement # 07CO110305-10-024, Augusta Resource Arizona Corp., for the Rosemont Mine project.

Please update your workplans accordingly.

If you have questions please contact David Evans at 388-8324.

/s/ JEANINE A. DERBY
JEANINE A. DERBY
Forest Supervisor

cc: Bev Everson

DEvans: 7/30/09



REIMBURSABLE OR ADVANCE COLLECTION AGREEMENT JOB CODE ASSIGNMENT

This serves as formal notification that the Albuquerque Service Center has received your signed agreement and spending is now authorized. This notice also verifies that budget authority is available.

Source: New Agreement Modification WorkPlan Recalculation of Available Amount

Type of Agreement: Advance Reimbursable Combination

Agreement Number(s)	Cooperator(s)	Total Agreement	Burden Amount	Net Available for Spending	Burden Rate	Expiration Date	Agreement Job Code Assigned*
07-CO-11030510-024	Augusta Resource Arizona Corp.						
<i>Rosemont Copper Project</i>							
Prior Amount		582,050.71	45,375.86	536,674.85	8.455%	12/31/2010	0305 CWFS2409
Paid Advance Bill		144,471.78	10,701.61	133,770.17	8.000%		
		0.00	0.00	0.00	0.000%		
		0.00	0.00	0.00	0.000%		
Total		726,522.49	56,077.47	670,445.02	8.364%		

Check all that apply:

Note 1: Authorized Amount is tentative based on initial calculation of carry over balances on multi-year agreement.
 Updated Job Code Assignment Notification will be issued if this amount changes

Note 2: Authorized Amount for spending must be obligated by _____ (enter date) because partner funding expires.

*Update WorkPlan for dollar amounts and to include agreement job code assigned. If project supports burden, update project job code to include burden. Place amount under OTHER RESOURCE TYPE - BURDEN in WorkPlan.

**Job Code balances shall be monitored using either WorkPlan expenditure reports or RACA Fund Control Report. RACA Fund Control Report is accessible via BRIO Managerial Reports or ASC Reports Dashboard, Specialized Reports

Project Manager: B Everson
 Location: 0305
 Phone Number: 520-388-8428

RACA Processor: Diana Forsberg
 Date Issued: 7-15-2009
 Phone Number: (877) 372-7248 opt 1 - raca

0305-07-CO-024

Norene Norris

08/04/2008 > FOR ACTION REVISED - mod of Rosen



Reta Laford/R3/USDAFS

08/04/2008 05:33 AM

To Beverley A Everson/R3/USDAFS@FSNOTES

cc Norene Norris/R3/USDAFS@FSNOTES, Reta Laford/R3/USDAFS@FSNOTES, Daniel Montez/R3/USDAFS@FSNOTES

bcc

Subject FOR ACTION REVISED - mod of Rosemont Copper Company Collection Agreement 

Norene - The attached modification would replace the one recently initiated. I concur that the changes accurately reflect our discussion of 7/31/08 with the company, with the exception of the company asking for a change in its signatory. If allowed by agency policy, please replace "Gill Clausen President and CEO" with "Jamie Sturgess Vice-President, Projects and Environment" as the amount is within his authorization limit and he can process it more expeditiously. Thank you.

On a cosmetic note, could you make the mod fit to one page??

Thanks. Although I'm on AL, feel free to call me on my cell as needed.

Reta Laford, Deputy Forest Supervisor

USDA Forest Service, Coronado National Forest
300 W Congress Street, Tucson, AZ 85701

Phone: 520-388-8307 (office), 505-452-7557 (cell)

Fax: 520-388-8305

Email: rlaford@fs.fed.us

Beverley A Everson/R3/USDAFS



Beverley A

Everson/R3/USDAFS

08/02/2008 05:43 PM

To Norene Norris/R3/USDAFS@FSNOTES, Reta Laford/R3/USDAFS@FSNOTES

cc

Subject modification of Rosemont Copper Company Collection Agreement

Norene, here's the modification that we discussed a few days ago. I'll be on leave on Monday, but will be available by cell phone if you have any questions about the modification that we need to discuss (444.4605). Bev

Norene Norris

08/04/2008> FOR ACTION REVISED - mod of Rosen



Rosemont 7.31.08 mod.doc

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

Norene Norris

11/04/2008Re: Mod. to Rosemont CO, for the USGS



Beverley A
Everson/R3/USDAFS
10/29/2008 05:20 PM

To Norene Norris/R3/USDAFS@FSNOTES
cc Daniel Montez/R3/USDAFS@FSNOTES, Kendra L
Bourgart/WO/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES

bcc

Subject Re: Mod. to Rosemont CO, for the USGS Stream Gauge

That's an easy one...let's do one modification for both FY09 and for the stream gauge.

Kendra, we talked about this in a round about way earlier, but not specifically about creating the financial plan. Let's discuss it tomorrow if you are available. I'll try to catch you by phone in the morning.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

Norene Norris/R3/USDAFS



Norene Norris/R3/USDAFS
10/29/2008 04:09 PM

To Beverley A Everson/R3/USDAFS@FSNOTES
cc Daniel Montez/R3/USDAFS@FSNOTES, Kendra L
Bourgart/WO/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES
Subject Mod. to Rosemont CO, for the USGS Stream Gauge

I have finalized the modification to the Rosemont Collection Agreement, requesting funding for the stream gauge, etc.

Here's the big question - how do you want to handle funding mods for this fiscal year? Do you want to include the funding for the stream gauge in the FY09 funding request modification, or do you want to do those requests in separate mods?

I'll need a financial plan, too - I can use the same one for this mod & for the USGS agreement.

Norene Norris

11/04/2008Re: Mod. to Rosemont CO, for the USGS

Norene Norris, Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

"One consolation about memory loss in old age is
that you also forget a lot of things you
didn't intend to remember in the first place."

George Carlin

(That's my story and I'm stickin' to it!)

Norene Norris/R3/USDAFS



Norene Norris/R3/USDAFS

10/27/2008 01:29 PM

To Beverley A Everson/R3/USDAFS@FSNOTES

cc Daniel Montez/R3/USDAFS@FSNOTES, Kendra L
Bourgart/WO/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES

Subject Re: All instruments Kendra has prepared for the USGS
Inter-Agency Agreement

I'm currently working on the USGS inter-agency agreement.

Please let me know how you want me to proceed on the Rosemont funding mod. Thanks!

Norene Norris, Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

"One consolation about memory loss in old age is
that you also forget a lot of things you
didn't intend to remember in the first place."

George Carlin

(That's my story and I'm stickin' to it!)

Kendra L Bourgart/WO/USDAFS

Kendra L
Bourgart/WO/USDAFS

10/24/2008 04:34 PM

To Norene Norris/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES, Daniel
Montez/R3/USDAFS@FSNOTES

cc Reta Laford/R3/USDAFS@FSNOTES, Kendra L

Norene Norris

11/04/2008Re: Mod. to Rosemont CO, for the USGS

Bourgart/WO/USDAFS@FSNOTES

Subject All instruments Kendra has prepared for the USGS
Inter-Agency Agreement

[attachment "1_ad_672_usgs_rosemont_stream_gauge.rtf" deleted by Norene Norris/R3/USDAFS] [attachment "2_ad_672_supp_usgs_rosemont_stream_gauge.doc" deleted by Norene Norris/R3/USDAFS] [attachment "3_2008_1003_confirm_private_land.doc" deleted by Norene Norris/R3/USDAFS] [attachment "4_2008_1003_land_ownership_map.pdf" deleted by Norene Norris/R3/USDAFS] [attachment "5_info_for_norene.doc" deleted by Norene Norris/R3/USDAFS] [attachment "6_Mod_rosemont_collection_agree_for_usgs.doc" deleted by Norene Norris/R3/USDAFS]

Greetings,

It is my understanding that Bev, Dan, and Norene have been discussing the creation of one modification to the Rosemont Collection Agreement in order to collect funds for the estimated FY09 forest project costs and the USGS stream gauge expenses of \$56,000.

For your convenience, I have attached all documents I've drafted and compiled for the USGS Inter-Agency Agreement (attachments #1-5) and the draft modification to the Rosemont Collection Agreement (attachment #6). Please forgive me if I am not referring to all the documentation accurately. I thought these documents could be helpful during your discussions.

I will be out of the office on Monday, October 27, but available by cell phone at 559-920-6113.

Thank you, Kendra

Kendra L. Bourgart
USDA Forest Service
E-mail: klbourgart@fs.fed.us
Cell: 559-920-6113

Prescott Office:
Prescott National Forest
500 US Highway 89 North, Bldg 70
PO Box 9115
Prescott, AZ 86313
Desk: 928-443-8271
Fax: 928-443-8208 (call to confirm receipt)

Tucson Office:
Coronado National Forest
300 West Congress
Tucson, AZ 85701-0003
Desk: 520-388-8390
Fax: 520-388-8305

10/29/2008

MODIFICATION NO. 02
to
AGREEMENT NO. 07-CO-11030510-024
between

USDA FOREST SERVICE,
CORONADO NATIONAL FOREST
and

Rosemont Copper Company

stream gauge included in annual funding request

funding

1. Purpose of the Modification: The purpose of this modification is to increase the amount of funds collected from Rosemont Copper Company. Rosemont Copper Company has requested US Geological Survey (USGS) perform installation, operation and maintenance of one stream gauge and one unmanned cableway, then collect stream data and provide annual maintenance. The total FY09 project cost would be \$56,000, as itemized below:

1. Bridge-mounted stream gauge (\$30,000)
2. Unmanned cableway (\$10,000)
3. Annual maintenance of the stream gauge and cableway (\$16,000)

In addition, the gauge and cableway may be operating for approximately 20 years. An annual maintenance fee of at least \$16,000 will need to be paid by the Rosemont Copper Company each year, beginning in FY2010. Modifications will be made to this agreement if more funding is needed in FY2010, and for future fiscal years' annual maintenance fee of ~~\$16,000~~ *approximately*.

USGS requires another federal agency to sponsor or request the work be done on behalf of the project proponent, Rosemont Copper Company. As a result, Agreement #09-IA-11030510-008 is in place between the forest and USGS.

2. Change in Performance Period: There is no change in performance period.

3. Change in Funds Available: A Bill for Collection will be issued to Rosemont Copper Company in the amount of \$56,000, payable to Coronado National Forest (CWFS2409, 0305).

This modification is issued pursuant to Clauses No. C. 7, No. D. 12, No. D.19, and No. D. 20.

Except as provided herein, all terms and conditions of the referenced document remain unchanged and in full force.

Rosemont Copper Company

USDA Forest Service

JAMIE STURGESS Date
Vice President, Projects and Environment

JEANINE A. DERBY Date
Forest Supervisor

Forest Service Use

Job Code: CWFS2409

The authority and format of this instrument
has been reviewed and approved for
signature.

NORENE NORRIS DATE
Grants & Agreements Specialist

MODIFICATION NO.

to

AGREEMENT NO.

between

**USDA FOREST SERVICE,
CORONADO NATIONAL FOREST**

and

Rosemont Copper Company

1. Purpose of the Modification: To increase the amount of funds to be collected from Rosemont Copper Company and paid to the Coronado National Forest. Rosemont Copper Company has requested US Geological Survey (USGS) perform installation, operation and maintenance of one stream gauge and one unmanned cableway, then collect stream data and provide annual maintenance. The total FY09 project cost would be \$56,000, itemized below:

1. a bridge-mounted stream gauge (\$30,000)
2. an unmanned cableway (\$10,000)
3. annual maintenance of the stream gauge and cableway (\$16,000)

In addition, the gauge and cableway may be operating for app. 20 years and an annual maintenance fee of at least \$16,000 would need to be paid by the proponent each year, beginning in FY10. If payment by the proponent must be made through the Forest Service, the Coronado NF will collect the full \$56,000 amount from the proponent and then transmit it to USGS through appropriate protocols. A modification will be made to this agreement on an as needed basis to pay for FY10 and future fiscal year's annual maintenance fee of \$16,000.

USGS requires another federal agency to sponsor or request the work be done on behalf of the project proponent, Rosemont Copper Company. As a result, Agreement # _____ is in place between the forest and USGS.

2. Change in Performance Period:

3. Change in Funds Available:

A bill for collection will be issued to Rosemont Copper Company in the amount of \$56,000, payable to Coronado National Forest (CWFS24, 0305).

This modification is issued pursuant to Clause No.

Except as provided herein, all terms and conditions of the referenced document remain unchanged and in full force.

USDA Forest Service

Date

JEANINE A. DERBY
Forest Supervisor

Date

Forest Service Use

Job Code:

The authority and format of this instrument
has been reviewed and approved for
signature.

NORENE NORRIS

DATE

Grants & Agreements Specialist

Rosemont Copper Project FY 2009 Annual Operating Plan
October 1, 2008 – September 30, 2009 Collection Agreement #07-CO-11030510-24

Interdisciplinary Team Roles	Team Members (subject to change)	Amount
Forest Line Officer, Responsible Official & Tribal Consultation	Derby	\$0
Forest Line Officer, Process Mgmt & Tribal Consultation	Laford	\$0
District Line Officer	Nogales District Ranger	\$0
IDT Leader, Project Mgmt, Geology, Minerals (Admin, Mining Law), Mining (Chemistry, Processes, Rock Stability/Fracture)	Everson	\$97,875
Communications, Web Mgmt	Able, TBD	\$62,734
Planning Project Mgmt, NFMA Compliance, GIS	Ciapusci, Quintana	\$94,330
NEPA Mgmt, FOIA Administration, Environmental Justice	Campbell	\$23,244
Transportation, Engineering	Keyes	\$22,380
Hydrogeology (Ground Water), Hydrology (Surface Water), Soils	Shafiqullah	\$38,040
Recreation, Scenery (incl reclamation)	Kriegel	\$20,940
Social and Economic Environments, Light (Night Skies)	Davis	\$22,740
Wildlife, Vegetation (incl reclamation), Range	Sebesta, Jones, Brown	\$30,540
Access, Lands, Realty	Emmett, McKay	\$8,535
Air, Clean Water Act Compliance, Soils, Water Resources, Riparian Habitat (offsite)	Lefevre, Fitch, Skinner	\$24,000
Mine Planning/Remediation, Hazardous Waste, Public Health and Safety, Noise	Curiel, Belauskas	\$12,608
Heritage, Tribal Consultation	Farrell, Gillespie, Leblanc, Laluc	\$64,205
Administrative Support	Bourgart, Raley, Davis	\$62,098
IDT Personnel Total		\$584,269

Fleet	Monthly FOR & Mileage	Amount
Vehicle Numbers 4661, 5707, 5964	7 months, 10,400 miles	\$6,611
Total Fleet		\$6,611

Miscellaneous Expenses	Amount
Equipment, Materials, Supplies, Travel & Training	\$25,826
Total Misc. Expenses	\$25,826

USGS Inter-Agency Agreement	Description	Amount
	1 bridge-mounted stream gauge	\$30,000
	1 unmanned cableway	\$10,000
	Annual maintenance of above items	\$16,000
Total USGS Inter-Agency Agreement		\$56,000

SUB-TOTAL OF ESTIMATED PROJECT EXPENSES
National Overhead Rate of 8%
TOTAL
FY 2008 CARRYOVER
BALANCE NEEDED FOR FY 2009

\$672,706.00
 \$53,816.48
 \$726,522.48
~~\$78,216.25~~
 \$648,306.23
 - 56,000.00

3rd 148,076.56
 4th 148,076.56
 1st, 2nd USGS 352,153.11

592,396.23
 then divide by 2
 296,198.115
 11/4/08 296,153.11
 + 56,000.00
 → 352,153.11

Rosemont Copper Project FY 2009 Annual Operating Plan
October 1, 2008 – September 30, 2009 Collection Agreement # 07-CO-110305 10-024

Interdisciplinary Team Roles	Team Member(s) (may change as needed)	Amount
Forest Line Officer, Responsible Official & Tribal Consultation	Jeanine Derby	\$0
Forest Line Officer, Process Management & Tribal Consultation	Reta Laford	\$0
District Line Officer	Nogales District Ranger	\$0
IDT Leadership, Project Management, Geology, & Minerals Administration, Minerals (Mining Law), Mining (Chemistry, Mine Planning/Remediation, Process, Rock Stability/Fracture)	Bev Everson	\$97,875
External Communications Management, Implementation & Web Mgmt	John Able, TBD	\$62,734
Planning Project Management, NFMA Compliance, Forest Plan Consistency, GIS	Teresa Ann Ciapusci, Devin Quintana	\$94,330
NEPA Management, FOIA Compliance & Administration, Environmental Justice, Noise	Andrea Campbell	\$23,244
Transportation & Engineering	Walter Keyes	\$22,380
Hydrogeology (Ground Water), Hydrology (Surface Water), Soils	Salek Shafiqullah	\$38,040
Landscape Architecture, Recreation, Scenery Resources (includes reclamation)	Debby Kriegel	\$20,940
Social & Economic Environments, Light (Night Skies)	Sarah Davis	\$22,740
Wildlife Resources, Vegetation Resources (includes reclamation), Range	Deborah Sebesta, Larry Jones, Kendall Brown	\$30,540
Access, Lands, Realty	Tami Emmett, George McKay	\$8,535
Air Resources, Clean Water Act Compliance, Soils, Water Resources, Riparian Habitat (offsite)	Bob Lefevre, Mark Fitch, Tom Skinner	\$24,000
Hazardous Waste, Public Health & Safety, Noise	Eli Curiel, Alan Belauskas	\$12,608
Heritage, Tribal Consultation	Mary Farrell, William Gillespie, Chris	\$64,205

	Leblanc, Nicholas Laluc	
Administrative Support	Kendra Bourgart, Roxanne Raley, Sarah Davis	\$62,098
IDT Personnel Total		\$584,269

Fleet	Monthly FOR & Mileage	Amount
Vehicle Numbers 4661, 5707, 5964	7 months, 10,400 miles	\$6,611
Total Fleet		\$6,611

Miscellaneous Expenses	Amount
Equipment, Materials, Supplies, Travel & Training	\$25,826
Total Misc. Expenses	\$25,826

USGS Inter-Agency Agreement	Description	Amount
	1 bridge-mounted stream gauge	\$30,000
	1 unmanned cableway	\$10,000
	Annual maintenance of above items	\$16,000
Total USGS Inter-Agency Agreement		\$56,000

SUB-TOTAL OF ESTIMATED PROJECT EXPENSES		\$672,706
National Overhead Rate of 8%		
TOTAL		
FY 2008 CARRYOVER	Needs review?????	
BALANCE NEEDED FOR FY 2009		

**Rosemont Copper Project FY 2009 Annual Operating Plan
October 1, 2008 – September 30, 2009 Collection Agreement #07-CO-11030510-24**

Interdisciplinary Team Roles	Team Members (subject to change)	Amount
Forest Line Officer, Responsible Official & Tribal Consultation	Derby	\$0
Forest Line Officer, Process Mgmt & Tribal Consultation	Laford	\$0
District Line Officer	Nogales District Ranger	\$0
IDT Leader, Project Mgmt, Geology, Minerals (Admin, Mining Law), Mining (Chemistry, Processes, Rock Stability/Fracture)	Everson	\$97,875
Communications, Web Mgmt	Able, TBD	\$62,734
Planning Project Mgmt, NFMA Compliance, GIS	Ciapusci, Quintana	\$94,330
NEPA Mgmt, FOIA Administration, Environmental Justice	Campbell	\$23,244
Transportation, Engineering	Keyes	\$22,380
Hydrogeology (Ground Water), Hydrology (Surface Water), Soils	Shafiqullah	\$38,040
Recreation, Scenery (incl reclamation)	Kriegel	\$20,940
Social and Economic Environments, Light (Night Skies)	Davis	\$22,740
Wildlife, Vegetation (incl reclamation), Range	Sebesta, Jones, Brown	\$30,540
Access, Lands, Realty	Emmett, McKay	\$8,535
Air, Clean Water Act Compliance, Soils, Water Resources,	Lefevre, Fitch, Skinner	\$24,000
Riparian Habitat (offsite)		
Mine Planning/Remediation, Hazardous Waste, Public Health and	Curiel, Belauskas	\$12,608
Safety, Noise		
Heritage, Tribal Consultation	Farrell, Gillespie, Leblanc, Laluc	\$64,205
Administrative Support	Bourgart, Raley, Davis	\$62,098
IDT Personnel Total		\$584,269
Fleet	Monthly FOR & Mileage	Amount
Vehicle Numbers 4661, 5707, 5964	7 months, 10,400 miles	\$6,611
Total Fleet		\$6,611
Miscellaneous Expenses		Amount
Equipment, Materials, Supplies, Travel & Training		\$25,826
Total Misc. Expenses		\$25,826
USGS Inter-Agency Agreement	Description	Amount
	1 bridge-mounted stream gauge	\$30,000
	1 unmanned cableway	\$10,000
	Annual maintenance of above items	\$16,000
Total USGS Inter-Agency Agreement		\$56,000
SUB-TOTAL OF ESTIMATED PROJECT EXPENSES		\$672,706.00
National Overhead Rate of 8%		\$53,816.48
TOTAL		\$726,522.48
FY 2008 CARRYOVER		\$78,216.25
BALANCE NEEDED FOR FY 2009		\$648,306.23

Rosemont Copper Company has requested ^{that the} U.S. Geological Survey (USGS) ^{do} perform installation, operation and maintenance of one stream gauge and one unmanned cableway, ~~then~~ ^{will} collect stream data, and provide annual maintenance. The total FY2009 project cost ~~would~~ be \$56,000, as itemized below

1. Bridge-mounted stream gauge (\$30,000)
2. Unmanned cableway (\$10,000)
3. Annual maintenance of the stream gauge and cableway (\$16,000)

In addition, the gauge and cableway may be operating for approximately 20 years. An annual maintenance fee of at least \$16,000 will need to be paid by the Rosemont Copper Company ~~each year,~~ beginning in FY2010.

Modifications will be made to Collection Agreement No. 07-CO-11030510-024 to include additional funding for future fiscal years' annual maintenance fee of approximately \$16,000.

USGS requires another federal agency to sponsor or request the work be done on behalf of the project proponent, Rosemont Copper Company. As a result, Agreement #09-IA-11030510-008 is in process between the forest and USGS.



**U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
Miscellaneous Job Code Directory**
Period Ending: 05 2008 -- February (CLOSED)

BBFY	Org	Job Code	Job Description	Status	Ind	Last Update Date
2008		AEAF1508	HIGHWAY TRUST FUNDS	A		12/18/07
2008		CMFC0508	FACILITIES CAPTL IMPRV/MTCE	A		09/07/07
2008		CMII0508	INFRA IMPROVEMENT - DEF MTNCE	A		09/07/07
2008		CMRD0508	ROADS CAPITAL IMPRV/MTNCE	A		09/07/07
2008		CMTL0508	TRAILS CAPITAL IMPRV/MTNCE	A		09/07/07
2008		CMXF1008	010, CRUSHER-ROAD WORK W/USBP	A		01/10/08
2008		CMXFJ108	016, PHASE 7 TES MONITERING	A		02/15/08
2008		CWFS2408	024, ROSEMONT MINE PROJECT	A		11/08/07
2008		CWFSPG08	POWER GARDEN CLEAN-UP PROJ.	A		12/06/07
2008		DS070108	FLREA 80% NATIONAL PASS SALES	A		09/07/07
2008		ER4SC508	ERFO REPAIRS	A		12/18/07
2008		FDCL7808	FLREA 15% COLLECTION SUPPORT	A		09/07/07
2008		FDDS3608	FLREA 80% RECREATION FEES	A		09/07/07
2008		FDDS4208	FLREA 80% SPECIAL USE FEES	A		09/07/07
2008		FDRF0508	REC FACILITY DEFERRED MNTNC	A		02/01/08
2008		FMCP0908	FACILITY MTCE CP09	A		09/07/07
2008		FS011108	SPECIAL USE PERMIT SAN0111-03	A		11/27/07
2008		FS018908	SPECIAL USE PERMIT SAN0189	A		11/19/07
2008		FSB20108	MALAPAI BORDERLANDS	A		11/19/07
2008		FSG51608	TUCSON ELECTRIC CO	A		11/30/07
2008		FSH71008	MGIO-UNIV. OF AZ	A		01/11/08
2008		IDP10508	POOL 1 - GENERAL MANAGEMENT	A		09/07/07
2008		IDP20508	POOL 2 - DIRECT PRGM SUPPORT	A		09/07/07
2008		IDP30508	POOL 3 - LEGIS & PUBLIC COMM	A		09/07/07
2008		IDP40508	POOL 4 - ONGOING BUS SVS	A		09/07/07
2008		IDP5CC08	POOL 5 - COMMON SVS	A		09/07/07
2008		NFIM0508	INVENTORY AND MONITORING	A		09/07/07
2008		NFLM0508	LANDOWNERSHIP MANAGEMENT	A		09/07/07
2008		NFMG0508	MINERALS & GEOLOGY MGT	A		09/07/07
2008		NFPN0508	LAND MANAGEMENT PLANNING	A		09/07/07
2008		NFRG0508	GRAZING MANAGEMENT	A		09/07/07
2008		NFRW0508	RECREATION/HERITAGE/WILDERNESS	A		09/07/07
2008		NFRWIB08	INTEGRATED BUSINESS	A		09/07/07
2008		NFTM0508	FOREST PRODUCTS	A		09/07/07
2008		NFWW0508	VEGETATION & WATERSHED MGT	A		09/07/07
2008		NFWF0508	WILDLIFE/FISHERIES HABITAT MGT	A		09/07/07



**U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
Miscellaneous Job Code Directory**
Period Ending: 11 2007 -- August (CLOSED)

Allot Org	Org	Job Code	Job Description	Status Ind	Last Update Date
0305		CMFEC0507	FACILITIES CAPTL IMPRV/MTCE	A	08/18/06
0305		CMII0507	INFRA IMPROVEMENT - DEF MTNCE	A	08/18/06
0305		CMRD0507	ROADS CAPITAL IMPRV/MTNCE	A	08/18/06
0305		CMTL0507	TRAILS CAPITAL IMPRV/MTNCE	A	08/18/06
0305		CMXF1007	010, CRUSHER-ROAD WORK W/USBP	A	06/13/07
0305		CMXFJ107	016, PHASE 7 TES MONTERING	A	10/16/06
0305		CWFES2307	023, HABITAT POTRERO CANYON	A	02/27/07
0305		CWFES2407	024, ROSEMONT MINE PROJECT	A	05/18/07
0305		DS070107	FLREA 80% NATIONAL PASS SALES	A	10/24/06
0305		ER4SC507	ERFO REPAIRS	A	06/20/07
0305		FB3F1507	SWIFT TRAIL SCENIC BYWAY	A	05/18/07
0305		FDCL7807	FLREA 15% COLLECTION SUPPORT	A	08/18/06
0305		FDDS3607	FLREA 80% RECREATION FEES	A	08/18/06
0305		FDDS4207	FLREA 80% SPECIAL USE FEES	A	10/12/06
0305		FMCP0907	FACILITY MTCE CP09	A	08/18/06
0305		FS011107	SPECIAL USE PERMIT#SAN0111-03	A	04/18/07
0305		FS018907	SPECIAL USE PERMIT SAND189	A	01/22/07
0305		FSH71007	MGIO BIOLOGIST	A	06/13/07
0305		HTAE0507	FED HWY ADM EXP	A	05/08/07
0305		IDP10507	POOL 1 - GENERAL MANAGEMENT	A	08/18/06
0305		IDP20507	POOL 2 - DIRECT PRGM SUPPORT	A	08/18/06
0305		IDP30507	POOL 3 - LEGIS & PUBLIC COMM	A	08/18/06
0305		IDP40507	POOL 4 - ONGOING BUS SVS	A	08/18/06
0305		IDP5CC07	POOL 5 - COMMON SVS	A	08/18/06
0305		NFEEO507	CENTENNIAL OF SERVICE PROJECTS	D	10/27/06
0305		NFIM0507	INVENTORY AND MONITORING	A	08/18/06
0305		NFLM0507	LANDOWNERSHIP MANAGEMENT	A	08/18/06
0305		NFMG0507	MINERALS & GEOLOGY MGT	A	08/18/06
0305		NFN30507	REHABILITATION & RESTORATION	A	08/18/06
0305		NFPN0507	LAND MANAGEMENT PLANNING	A	08/18/06
0305		NFRG0507	GRAZING MANAGEMENT	A	08/18/06
0305		NFRW0507	RECREATION/HERITAGE/WILDERNESS	A	08/18/06
0305		NFRWIB07	INTEGRATED BUSINESS	A	09/08/06
0305		NFTM0507	FOREST PRODUCTS	A	08/18/06
0305		NFVW0507	VEGETATION & WATERSHED MGT	A	08/18/06
0305		NFWF0507	WILDLIFE/FISHERIES HABITAT MGT	A	08/18/06
0305		NFXF0607	006, RESURFACE MONTZUMA PASS RD	A	11/02/06
0305		NFXF1107	011, HERITAGE-SUPPORT FOR BP	A	01/30/07
0305		NFXF3807	038, SCOTLA CYN RESTORATION PRJ	A	06/15/07
0305		NFXF3907	039, MONTEZUMA PASS RESURFACING	A	06/04/07
0305		NFXFES07	031, EXHIBIT SPECIALIST	A	09/04/07

Norene Norris

02/12/2008

New Memo



Norene Norris/R3/USDAFS

To Beverley A Everson/R3/USDAFS,

02/12/2008 12:55 PM

cc

bcc

Subject Mod. 01 to Collection Agreement, 07-CO-11030510-024

Here's the current iteration of the modification. Please approve, or suggest changes, before I send it to Rosemont. Thanks!



2008_Rosemont_Mod01.doc

Norene (Don't Shoot Me, I'm Just the Piano Player) Norris,

Grants & Agreements, Coronado NF

Phone: 520.388.8325

Fax: 520.388.8331

E-Mail: nnorris@fs.fed.us

"Hope springs a kernel."

Denny Crane

Norene Norris

03/06/2008

Re: MOU - comments omitted



Andrea W
Campbell/R3/USDAFS
01/04/2008 03:16 PM

To Norene Norris/R3/USDAFS@FSNOTES
cc Beverley A Everson/R3/USDAFS@FSNOTES
bcc
Subject Re: MOU - comments omitted

Norene and Bev,

Indeed, we used an MOU template that originated with BLM. I could not find a NEPA MOU online to use as a template.

If the format and content of Section VI of the MOU, as written, are not compatible with standard USFS format, feel free to add, revise, delete, whatever, as necessary.

The content of Sections I through V should be retained in the MOU, along with the that of the attachments.

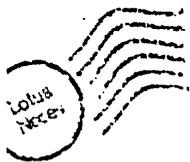
I have no issues with rearranging format.

Suggest both of you seek Jeanine's input on how to proceed.
I'm happy with the content in I through V.

a

Andrea Wargo Campbell
Coronado National Forest
NEPA Coordinator and FOIA Officer
300 West Congress Street
Tucson, AZ 85701
520 388 8352
520 237 0694
awcampbell@fs.fed.us

----- Forwarded by Andrea W Campbell/R3/USDAFS on 01/04/2008 11:47 AM -----



Beverley A
Everson/R3/USDAFS
01/04/2008 11:12 AM

To Norene Norris/R3/USDAFS@FSNOTES, Andrea W
Campbell/R3/USDAFS@FSNOTES
cc Daniel Montez/R3/USDAFS@FSNOTES
Subject Re: MOU - comments omitted

What do you need from me and/or Andrea to move this forward?

Beverley A. Everson

Norene Norris

03/06/2008

Re: MOU - comments omitted

Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

Norene Norris/R3/USDAFS



Norene Norris/R3/USDAFS

12/27/2007 02:52 PM

To Beverley A Everson/R3/USDAFS@FSNOTES
cc Daniel Montez/R3/USDAFS@FSNOTES
Subject Re: MOU - comments omitted 

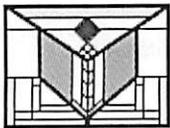
What is the origin of this document, Bev? I ask because it doesn't follow the format of the approved Forest Service MOU for NEPA template.

Has Andrea seen/approved it?

Norene (Don't Shoot Me, I'm Just the Piano Player) Norris,
Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

"Hope springs a kernel."
Denny Crane

Beverley A Everson/R3/USDAFS



Beverley A
Everson/R3/USDAFS

12/19/2007 12:12 PM

To Norene Norris/R3/USDAFS@FSNOTES, Daniel
Montez/R3/USDAFS@FSNOTES
cc
Subject MOU - comments omitted

Sorry about the last version. This one is a little easier to read. Bev

[attachment "Rosemnt final_MOU.doc" deleted by Norene Norris/R3/USDAFS]

Norene Norris

03/06/2008

Re: MOU - comments omitted

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

REIMBURSABLE OR ADVANCE COLLECTION AGREEMENT JOB CODE ASSIGNMENT

This serves as formal notification that the Albuquerque Service Center has received your signed agreement and spending is now authorized. This notice also verifies that budget authority is available.

Source: New Agreement Modification WorkPlan Recalculation of Available Amount

Type of Agreement: Advance Reimbursable Combination

Agreement Number(s)	Cooperator(s)	Total Agreement	Burden Amount	Net Available for Spending	Burden Rate	Expiration Date	Agreement Job Code Assigned*
07-CO-11030510-024	Augusta Resource Arizona Corp.						
<i>Rosemont Copper Project</i>							
Prior Amount		437,578.93	34,674.00	402,904.93	8.606%	12/31/2010	0305 CWFSS2409
Paid Advance Bill		144,471.78	10,701.61	133,770.17	8.000%		
		0.00	0.00	0.00	0.000%		
		0.00	0.00	0.00	0.000%		
Total		582,050.71	45,375.61	536,675.10	8.455%		

Check all that apply:

Note 1: Authorized Amount is tentative based on initial calculation of carry over balances on multi-year agreement.

Updated Job Code Assignment Notification will be issued if this amount changes

Note 2: Authorized Amount for spending must be obligated by _____ (enter date) because partner funding expires.

*Update WorkPlan for dollar amounts and to include agreement job code assigned. If project supports burden, update project job code to include burden. Place amount under OTHER RESOURCE TYPE - BURDEN in WorkPlan.

**Job Code balances shall be monitored using either WorkPlan expenditure reports or RACA Fund Control Report. RACA Fund Control Report is accessible via BRIO Managerial Reports or ASC Reports Dashboard, Specialized Reports

Project Manager: B Everson
 Location: 0305
 Phone Number: 520-388-8428

RACA Processor: Diana Forsberg
 Date Issued: 4-13-2009
 Phone Number: (877) 372-7248 opt 1 - raca

0305-07-CO-024

GRANTS & AGREEMENTS ROUTING SLIP

AGREEMENT NUMBER: ^{Mod. 02 to} 08-MU-11030510-010 UNIT: Minerals
COOPERATOR NAME: Rosemont Copper PM: Everson
PROJECT: Rosemont Copper Mine

For Review and Routing -

Jan-O
Budget Officer

Date & Initials: [Signature] 12/3/08

Comments: _____

Sylvia
Contracting Officer

Date & Initials: [Signature] 12/4/08

Comments: _____

Aeta
Staff Officer

Date & Initials: [Signature] 12/5/08

Comments: _____

Teanine
Forest Supervisor

Date & Initials: [Signature] 12/5/08

- Please sign 2 originals.
- Please sign all 2 tabs.
- Return to Norene. Thank you!



Comments/Reminders: ↓

^{for} Andrea
[Signature]
CMP STAFF OFFICER

12/09/08
Date + Initials: _____

Signed by cooperater on 12/16/08

PLEASE DO NOT HOLD OVER 2 (TWO) DAYS!! THANK YOU.

Norene Norris

11/04/2008 > WAIT, Had to Revise the Final - Re: F

Kendra L
Bourgart/WO/USDAFS
11/04/2008 10:51 AM

To Kendra L Bourgart/WO/USDAFS@FSNOTES
cc Beverley A Everson/R3/USDAFS@FSNOTES, Daniel
Montez/R3/USDAFS@FSNOTES, Norene
Norris/R3/USDAFS@FSNOTES, Reta
LaFord/R3/USDAFS@FSNOTES
bcc
Subject WAIT, Had to Revise the Final - Re: FINAL Proposed
Rosemont Copper Project FY09 AOP 



2008_1104_fy09_rosemont_aop_final.doc

I just learned we had to revise the figures to reflect a more recent FY08 Carryover amount. I have attached a revised FY09 AOP. FYI, the amount may continue to change into November, because in November we receive the October FFIS Reports (transaction registers). It is normal for these figures to be in flux until that time. It all works out in the end...

Kendra

Kendra L Bourgart/WO/USDAFS

Kendra L
Bourgart/WO/USDAFS
11/04/2008 10:28 AM

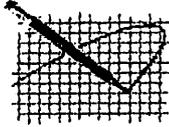
To Norene Norris/R3/USDAFS@FSNOTES
cc Beverley A Everson/R3/USDAFS@FSNOTES, Reta
LaFord/R3/USDAFS@FSNOTES, Daniel
Montez/R3/USDAFS@FSNOTES, Kendra L
Bourgart/WO/USDAFS@FSNOTES
Subject FINAL Proposed Rosemont Copper Project FY09 AOP

Thank you!

[attachment "2008_1104_fy09_rosemont_aop.doc" deleted by Kendra L Bourgart/WO/USDAFS]

Norene Norris

04/02/2010 > Copy of bill for 07-CO-11030510-024



Diana L
Forsberg/WO/USDAFS

04/02/2010 08:26 AM

To Norene Norris/R3/USDAFS@FSNOTES

cc

bcc

Subject Copy of Bill for 07-CO-11030510-024

Hello Norene;

Here is a copy of the bill. It will go out in today's mail.

Thanks.

Diana L. Forsberg - RACA Branch
ASC - USFS - Financial Analyst
Phone: 1-877-372-7248
Fax: 1-866-342-0713



BA RACA0A00558.pdf



Andrea G
Sepulveda/R3/USDAFS
07/26/2010 11:08 AM

To Melinda D Roth/R3/USDAFS@FSNOTES
cc
bcc
Subject Rosemont Collection Agreement

Hi Mindy,

Just as a reminder the current 4th quarter billing (BP#RACA0A00861) for Rosemont is 34 days old. It is for \$181,935.25. Thank you for your help.

Andrea Sepulveda
Grants and Agreements Specialist
Coronado National Forest
Phone. 520.388.8310
Fax. 520.388.8331
asepulveda@fs.fed.us

Norene Norris

06/08/2009 > Re: 4th Quarter Billing for Rosemont Ci



Diana L
Forsberg/WO/USDAFS
06/05/2009 06:38 AM

To Norene Norris/R3/USDAFS@FSNOTES
cc
bcc

Subject Re: 4th Quarter Billing for Rosemont Copper -
07-CO-11030510-024 

Norene:

Here is a copy of the bill. I will mail it out today (to the attention of Sherry Varecka per the agrmt).



Norene Norris/R3/USDAFS



Norene Norris/R3/USDAFS
06/04/2009 03:51 PM

To Diana L Forsberg/WO/USDAFS@FSNOTES
cc

Subject Re: 4th Quarter Billing for Rosemont Copper -
07-CO-11030510-024 

That would be great - thanks!

Norene Norris, Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

If you can remain calm,
you don't have all the facts.

Diana L Forsberg/WO/USDAFS



Diana L
Forsberg/WO/USDAFS
06/04/2009 02:37 PM

To Norene Norris/R3/USDAFS@FSNOTES
cc

Subject Re: 4th Quarter Billing for Rosemont Copper -
07-CO-11030510-024 

Norene:

When this bill generates tomorrow, do you want a copy?

Thanks.

Norene Norris/R3/USDAFS



Norene Norris/R3/USDAFS

06/04/2009 02:02 PM

To Diana L Forsberg/WO/USDAFS@FSNOTES

cc

Subject 4th Quarter Billing for Rosemont Copper -
07-CO-11030510-024

Hi, Diana! I think I told you I'd remind you when it was time to bill Rosemont again (if not, please forgive my lack of a memory) for the amount of \$144,471.78. Thanks!

Norene Norris, Grants & Agreements, Coronado NF

Phone: 520.388.8325

Fax: 520.388.8331

E-Mail: nnorris@fs.fed.us

If you can remain calm,
you don't have all the facts.

Norene Norris

11/06/2008 > Re: Here's the FY09 cost table I edited



Reta Laford/R3/USDAFS

11/05/2008 10:17 AM

To Norene Norris/R3/USDAFS@FSNOTES

cc Kendra L Bourgart/WO/USDAFS@FSNOTES

bcc

Subject Re: Here's the FY09 cost table I edited just before today's meeting to have the boxes. Please use this version in the record. 

Norene - Here's an electronic copy of table used yesterday with the boxes around it. If you have a non-scanned electronic copy, please use this table instead of the other.

Reta Laford, Deputy Forest Supervisor

USDA Forest Service, Coronado National Forest
300 W Congress Street, Tucson, AZ 85701

Phone: 520-388-8307 (office), 505-452-7557 (cell)

Fax: 520-388-8305

Email: rlaford@fs.fed.us

Kendra L Bourgart/WO/USDAFS

Kendra L

Bourgart/WO/USDAFS

11/05/2008 10:00 AM

To Reta Laford/R3/USDAFS@FSNOTES

cc

Subject Re: Here's the FY09 cost table I edited just before today's meeting to have the boxes. Please use this version in the record. 

Reta, Did you send it to Norene? I think that's also a good idea...

Reta Laford/R3/USDAFS



Reta Laford/R3/USDAFS

11/04/2008 02:52 PM

To Beverley A Everson/R3/USDAFS@FSNOTES, Kendra L Bourgart/WO/USDAFS@FSNOTES

cc

Subject Here's the FY09 cost table I edited just before today's meeting to have the boxes. Please use this version in the record.



rij edit 2 cost table edited.doc

Reta Laford, Deputy Forest Supervisor

USDA Forest Service, Coronado National Forest
300 W Congress Street, Tucson, AZ 85701

Phone: 520-388-8307 (office), 505-452-7557 (cell)

Fax: 520-388-8305

Email: rlaford@fs.fed.us

GRANTS & AGREEMENTS ROUTING SLIP

AGREEMENT NUMBER: 08-MU-11030510-010 UNIT: Minerals

COOPERATOR NAME: Rosemont Copper Co. PM: Everson

PROJECT: Rosemont mine MOU for NEPA

For Review and Routing -

David
Budget Officer

Date & Initials: 1/29/08 JJK

Comments: _____

Contracting Officer

Date & Initials: _____

Comments: _____

Bev
Staff Officer

Date & Initials: 1.29.08 BAE

Comments: _____

Jeanine
Forest Supervisor

Date & Initials: JDS 1/30/08

Please sign 2 originals.

Please sign all 2 tabs.

Return to Norene. Thank you!



Comments/Reminders: ↓

PLEASE DO NOT HOLD OVER 2 (TWO) DAYS!! THANK YOU.

Norene Norris

11/09/2009 > Job Code Notification for Agreement O:



Diana L
Forsberg/WO/USDAFS

11/09/2009 10:57 AM

To Norene Norris/R3/USDAFS@FSNOTES, David J
Evans/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES, Melinda D

cc

bcc

Subject Job Code Notification for Agreement
07-CO-11030510-024

Hello:

Attached is the job code notification for the above agreement, reflecting the rollover from FY09.
Thank you.

Diana L. Forsberg - RACA Branch
ASC - USFS - Financial Analyst
Phone: 1-877-372-7248
Fax: 1-866-342-0713

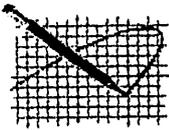


Job Code Sheet 07-CO-11030510-024.xls

If you should have any questions regarding the attached job code notification, please do not reply to sender. Please open a customer service case by calling 1-877-372-7248 or opening an e-ticket at <http://fsweb.r3.fs.fed.us/asc/bfm/> . Thank you.

Norene Norris

11/09/2009 Re: Rollover Amount for 07-CO-11030510



Diana L
Forsberg/WO/USDAFS
11/06/2009 10:05 AM

To Melinda D Roth/R3/USDAFS@FSNOTES
cc Norene Norris/R3/USDAFS@FSNOTES
bcc
Subject Re: Rollover Amount for 07-CO-11030510-024 

Mindee:

It looks like the projected rollover right now would be \$128,361.95. But things could still change as we have not been told yet that the issues with how payroll has been hitting the job codes is resolved yet, etc.

+670,446.36
+ 56,076.13
-14,993.61
-511,975.42
- 42,821.62
- 1,254.07
+158.88 (unallocated amt, includes burden)
- 26,956.93 (unallocated amt, includes burden)
128,679.73 (projected rollover)

ACTION: R TABLEID: FPRJ USERID: UA00
*** BUDGET FISCAL YEAR PROJECT INQUIRY TABLE ***
KEY IS BFYS, FUND, DIV, ORG, PROGRAM, RPTG, JOB
01-

BFYS	FUND	DIV	ORG	PROGRAM	RPTG	JOB	
09	CWFS		0305			CWFS2409	
EST BILL AMOUNT:				0.00	ACT BILL AMOUNT:		670,446.36
EST BURDEN AMT:				56,076.13	DIRECT AMOUNT:		0.00
LAST DISTRIBUTION DATE:				09 30 09	VALID FPCA RECORDS:		2 STATUS:
				ALLOCATED			UNALLOCATED
COMMITMENTS:				0.00	COMMITMENTS:		0.00
OBLIGATIONS:				14,993.61	OBLIGATIONS:		-146.62
EXPENDITURES:				511,975.42	EXPENDITURES:		24,876.27
PROJ CHARGES:				0.00	PROJ CHARGES:		0.00
EXCLUDED AMT:				0.00	BILLING ADJUST:		0.00
BURDEN:				42,821.62	EXP ADJUST IN:		42,821.62
OBLIG BURDEN:				1,254.07	OBLIG ADJUST IN:		1,254.07
					NET AVAIL BAL:		118,747.68

*** PROJECT TO CUSTOMER DISTRIBUTION DEFAULTS ***
CUSTOMER NUMBER: DIRECT AGREEMENT NUMBER: 0305-07-CO-024
CUSTOMER NAME: DIRECT APPROPRIATION CUSTOMER TYPE: DIR

4-° 1 Sess-1 199.141.111.34 IFSB0255 1/10

Melinda D Roth/R3/USDAFS



Melinda D

Norene Norris

11/09/2009 Re: Rollover Amount for 07-CO-11030510



Roth/R3/USDAFS
11/06/2009 08:35 AM

To: Diana L Forsberg/WO/USDAFS@FSNOTES
cc: Melinda D Roth/R3/USDAFS@FSNOTES, Norene
Norris/R3/USDAFS@FSNOTES
Subject: Re: Rollover Amount for 07-CO-11030510-024 

Diana, Can I ask you to look again at the carry over amount for this project? Your note below indicates this amount is likely to change. On November 12th, we will be meeting with the project proponent to sign the Collection Agreement Modification and I would like to use the most accurate carry over amount. Thanks.

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

Norene Norris/R3/USDAFS



Norene Norris/R3/USDAFS
10/29/2009 12:31 PM

To: Diana L Forsberg/WO/USDAFS@FSNOTES
cc: Melinda D Roth/R3/USDAFS@FSNOTES
Subject: Re: Rollover Amount for 07-CO-11030510-024 

Thanks, Diana! I appreciate your quick response! I hope we can do this quickly enough that the amount will still be accurate.

Norene Norris, Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

"If you can't be a good example, then you'll
just have to be a horrible warning."
Catherine Aird

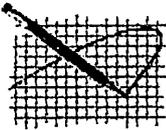
Diana L Forsberg/WO/USDAFS



Diana L

Norene Norris

11/09/2009Re: Rollover Amount for 07-CO-11030510



Forsberg/WO/USDAFS

10/29/2009 11:35 AM

To Norene Norris/R3/USDAFS@FSNOTES

cc

Subject Rollover Amount for 07-CO-11030510-024

Norene:

Per our phone discussion this morning, I would project a rollover of approximately \$128,995.83. However, please remember that this is just an initial projection and could change. There are unallocated items and also there is a problem that is being worked on concerning how PP19/20 are hitting.

I have submitted the BV, and once this is approved, I can issue the FY10 job code.

Thanks and good luck with the mod.

+670,446.36
+ 56,076.13
-14,993.61
-511,975.42
- 42,821.62
- 1,254.07
+158.88 (unallocated amt, includes burden)
- 26,640.82 (unallocated amt, includes burden)
128,995.83 (projected rollover)

ACTION: R TABLEID: FPRJ USERID: UA00

*** BUDGET FISCAL YEAR PROJECT INQUIRY TABLE ***

KEY IS BFYS, FUND, DIV, ORG, PROGRAM, RPTG, JOB

01-

BFYS	FUND	DIV	ORG	PROGRAM	RPTG	JOB
09	CWFS		0305			CWFS2409

EST BILL AMOUNT:	0.00	ACT BILL AMOUNT:	670,446.36
EST BURDEN AMT:	56,076.13	DIRECT AMOUNT:	0.00
LAST DISTRIBUTION DATE:	09 30 09	VALID FPCA RECORDS:	2
	ALLOCATED		STATUS:
			UNALLOCATED
COMMITMENTS:	0.00	COMMITMENTS:	0.00
OBLIGATIONS:	14,993.61	OBLIGATIONS:	-146.62
EXPENDITURES:	511,975.42	EXPENDITURES:	24,584.57
PROJ CHARGES:	0.00	PROJ CHARGES:	0.00
EXCLUDED AMT:	0.00	BILLING ADJUST:	0.00
BURDEN:	42,821.62	EXP ADJUST IN:	42,821.62
OBLIG BURDEN:	1,254.07	OBLIG ADJUST IN:	1,254.07
		NET AVAIL BAL:	119,039.38

*** PROJECT TO CUSTOMER DISTRIBUTION DEFAULTS ***

CUSTOMER NUMBER: DIRECT

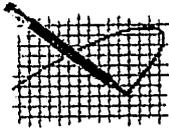
AGREEMENT NUMBER: 0305-07-CO-024

CUSTOMER NAME: DIRECT APPROPRIATION

CUSTOMER TYPE: DIR

Norene Norris

11/13/2009 Rollover Amount for 07-CO-11030510-02



Diana L
Forsberg/WO/USDAFS
10/29/2009 11:35 AM

To Norene Norris/R3/USDAFS@FSNOTES
cc
bcc

Subject Rollover Amount for 07-CO-11030510-024

History: This message has been replied to

Norene:

Per our phone discussion this morning, I would project a rollover of approximately \$128,995.83. However, please remember that this is just an initial projection and could change. There are unallocated items and also there is a problem that is being worked on concerning how PP19/20 are hitting.

I have submitted the BV, and once this is approved, I can issue the FY10 job code.

Thanks and good luck with the mod.

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+ 56,076.13
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- 42,821.62
- 1,254.07
+158.88 (unallocated amt, includes burden)
- 26,640.82 (unallocated amt, includes burden)
128,995.83 (projected rollover)

ACTION: R TABLEID: FPRJ USERID: UA00
 *** BUDGET FISCAL YEAR PROJECT INQUIRY TABLE ***
 KEY IS BFYS, FUND, DIV, ORG, PROGRAM, RPTG, JOB
 01-
 BFYS FUND DIV ORG PROGRAM RPTG JOB
 09 CWFS 0305 CWFS2409

EST BILL AMOUNT:	0.00	ACT BILL AMOUNT:	670,446.36
EST BURDEN AMT:	56,076.13	DIRECT AMOUNT:	0.00
LAST DISTRIBUTION DATE: 09 30 09	VALID FPCA RECORDS:	2	STATUS:
	ALLOCATED		UNALLOCATED
COMMITMENTS:	0.00	COMMITMENTS:	0.00
OBLIGATIONS:	14,993.61	OBLIGATIONS:	-146.62
EXPENDITURES:	511,975.42	EXPENDITURES:	24,584.57
PROJ CHARGES:	0.00	PROJ CHARGES:	0.00
EXCLUDED AMT:	0.00	BILLING ADJUST:	0.00
BURDEN:	42,821.62	EXP ADJUST IN:	42,821.62
OBLIG BURDEN:	1,254.07	OBLIG ADJUST IN:	1,254.07
		NET AVAIL BAL:	119,039.38

*** PROJECT TO CUSTOMER DISTRIBUTION DEFAULTS ***
 CUSTOMER NUMBER: DIRECT AGREEMENT NUMBER: 0305-07-CO-024
 CUSTOMER NAME: DIRECT APPROPRIATION CUSTOMER TYPE: DIR

Norene Norris

11/19/2009

Mod. 04 to Rosemont MOU



Norene Norris/R3/USDAFS

11/19/2009 12:36 PM

To Melinda D Roth/R3/USDAFS@FSNOTES

cc Beverley A Everson/R3/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES

bcc

Subject Mod. 04 to Rosemont MOU

Hi, Mindy! Here's the pdf of the fully executed mod. I'm not sure who at Rosemont was supposed to get it, so I'm just sending it to you. Thanks for all your hard work!



RosemontMOU_Mod04.pdf

Norene Norris, Grants & Agreements, Coronado NF

Phone: 520.388.8325

Fax: 520.388.8331

E-Mail: nnorris@fs.fed.us

"If you can't be a good example, then you'll
just have to be a horrible warning."

Catherine Aird

Norene Norris

09/16/2008Re: Fw: Deadline for Incoming Money Agr



Beverley A
Everson/R3/USDAFS
06/03/2008 02:29 PM

To Norene Norris/R3/USDAFS@FSNOTES
cc
bcc
Subject Re: Fw: Deadline for Incoming Money Agreements 

I have no idea what you're talking about. I thought that the Rosemont 2008 collection agreement amendment was resolved long ago. I sent you everything you asked for weeks and weeks ago.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

Norene Norris/R3/USDAFS



Norene Norris/R3/USDAFS
06/02/2008 03:30 PM

To Beverley A Everson/R3/USDAFS@FSNOTES
cc
Subject Fw: Deadline for Incoming Money Agreements

Please see below. Are you no longer pursuing the collection of funds for FY08 from Augusta Resources (aka Rosemont Mining Co.)?

Norene Norris, Grants & Agreements Coordinator
Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

When you're up to your fanny in alligators,
it's difficult to remind yourself that
your initial objective was to drain the swamp.

----- Forwarded by Norene Norris/R3/USDAFS on 06/02/2008 03:28 PM -----



Norene Norris/R3/USDAFS
06/02/2008 12:32 PM

To
cc
Subject



Deadline for Incoming Money Agreements

The ASC (RACA) has set a deadline for us for having reimbursable & collection agreements entered into I-Web & transmitted to them. It has to do with their getting enough spending authority, late in the FY, so the FS doesn't go into a deficiency situation.

I have to have them completed (fully executed), entered, & transmitted to RACA by August 15. Remember, it takes two or three weeks to get an agreement fully executed, depending of course on where we have to send it for original signatures (don't suggest faxing) - sooooooooooooo, if you're planning on getting FY08 money from some other entity, do it now.

You might want to think about those ongoing agreements we have with other federal agencies, where they give us their money at the last minute - well, the minute is a lot farther away from the fiscal year end this year! I know we're all busy, but you might want to contact your cooperators a little early this year.

Norene Norris, Grants & Agreements Coordinator
Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

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it's difficult to remind yourself that
your initial objective was to drain the swamp.



United States
Department of
Agriculture

Forest
Service

Coronado National
Forest

300 W. Congress St.
Tucson, AZ 85701
(520) 388-8300
TDD (520) 388-8304
FAX (520) 388-8305

File Code: 6520
Route To:

Date: November 18, 2009

Subject: FY 2010 Allocation (03-05-07)

To: Engineering/Minerals Program Leader:

Your FY 2010 allocations are revised as follows:

Job Code	Project Name	Previous Allocation	This Allocation	Current Allocation
CWFS24	Rosemont Mine	\$0.0M	\$118.7M	\$118.7M

This allocation letter is for \$118,747 under agreement # 07CO110305-10-024, Augusta Resource Arizona Corp., for the Rosemont Mine project. These funds are the tentative amount rolled over from 2009 and may be adjusted later.

Please update your workplans accordingly.

If you have questions please contact David Evans at 388-8324.

/s/ JEANINE A. DERBY
JEANINE A. DERBY
Forest Supervisor

cc: Bev Everson

DMontez: 11/18/09



Norene Norris

01/29/2008

> Revised MOU for Norene



Andrea W
Campbell/R3/USDAFS
01/25/2008 05:38 PM

To Norene Norris/R3/USDAFS@FSNOTES
cc Beverley A Everson/R3/USDAFS@FSNOTES
bcc
Subject Revised MOU for Norene

Changes made per meeting with Rosemont this morning.
Remove yellow highlights please when final is ready.

Jeanine asked that you finalize and send to her for signature after David blesses

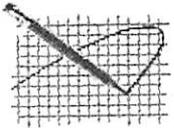
Please keep Bev and me in the loop.
Thanks.
a



Rosemont MOU changes w andrea rev 1-25.doc

Norene Norris

03/18/2010 > Re: Rosemont Agreement #07-CO-1103



Diana L
Forsberg/WO/USDAFS
03/18/2010 06:36 AM

To Norene Norris/R3/USDAFS@FSNOTES
cc
bcc
Subject Re: Rosemont Agreement #07-CO-11030510-024 

Hi

Here is a copy of the bill. I will be mailing it out to the cooperator today also. Thanks.



BA.PACA0400471.pdf

Norene Norris/R3/USDAFS



Norene Norris/R3/USDAFS
03/17/2010 10:08 AM

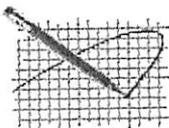
To Diana L Forsberg/WO/USDAFS@FSNOTES
cc
Subject Re: Rosemont Agreement #07-CO-11030510-024 

Thanks so much, Diana!

Norene Norris, Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

"The problem with winter sports is that -
follow me closely here -
they generally take place in winter."
Dave Barry

Diana L Forsberg/WO/USDAFS



Diana L
Forsberg/WO/USDAFS
03/17/2010 06:38 AM

To Norene Norris/R3/USDAFS@FSNOTES
cc
Subject Re: Rosemont Agreement #07-CO-11030510-024 

Norene Norris

03/18/2010 > Re: Rosemont Agreement #07-CO-1103

Ok, I will input the bill today. I will email you a copy for your info tomorrow when it generates.

Thanks.

Norene Norris/R3/USDAFS



Norene Norris/R3/USDAFS

03/16/2010 05:07 PM

To Diana L Forsberg/WO/USDAFS@FSNOTES

cc

Subject Re: Rosemont Agreement #07-CO-11030510-024 

Actually, we only want to bill them for 1/2 that amount, \$181,935.25 now. And we'll bill them again mid-June for the same amount. Thanks, Diana!

Norene Norris, Grants & Agreements, Coronado NF

Phone: 520.388.8325

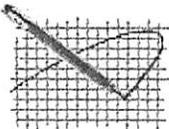
Fax: 520.388.8331

E-Mail: nnorris@fs.fed.us

"The problem with winter sports is that -
follow me closely here -
they generally take place in winter."

Dave Barry

Diana L Forsberg/WO/USDAFS



Diana L

Forsberg/WO/USDAFS

03/16/2010 01:57 PM

To Norene Norris/R3/USDAFS@FSNOTES

cc

Subject Re: Rosemont Agreement #07-CO-11030510-024 

Norene:

We billed last time for half of the amount on the FY10 - Mod 3. So do you need the second half billed (\$363,870.50)?

Thanks.

Norene Norris

03/18/2010 > Re: Rosemont Agreement #07-CO-1103

Norene Norris/R3/USDAFS



Norene
Norris/R3/USDAFS
03/16/2010 02:35 PM

To Diana L Forsberg/WO/USDAFS@FSNOTES
cc
Subject Rosemont Agreement #07-CO-11030510-024

I think this is your reminder to bill Rosemont Copper Company for the 4th quarter. Does that sound right? Is that where we are? Thanks!

Norene Norris, Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

"The problem with winter sports is that -
follow me closely here -
they generally take place in winter."
Dave Barry

REIMBURSABLE OR ADVANCE COLLECTION AGREEMENT JOB CODE ASSIGNMENT

This serves as formal notification that the Albuquerque Service Center has received your signed agreement, budget authority is available, and spending is now authorized.

Source: New Agreement Modification Recalculation of Available Amount

New FY Rollover

Type of Agreement: Advance Reimbursable Combination

Agreement Number(s)/ Project Description	FFIS Agreement Number(s)	Cooperator(s)	Total Agreement	Overhead (Burden) Amount	Net Available for Spending	Overhead (Burden) Rate	Agreement Expiration Date	Agreement Job Code Assigned*
07-CO-11030510-024	0305-07-CO-024	Rosemont Copper						
<i>Augusta Rosemont Mine Project</i>								
Rollover from FY09			128,679.73	9,932.06	118,747.67	8.364%	12/31/2010	0305 CWFS2410
Paid Advance Bill			363,870.50	26,953.37	336,917.13	8.000%		
			0.00	0.00	0.00	0.000%		
			0.00	0.00	0.00	0.000%		
Total			492,550.23	36,885.43	455,664.80	8.095%		

Check all that apply:

Note 1: Authorized Amount is tentative based on initial calculation of carry over balances on multi-year agreement. Updated Job Code Assignment Notification will be issued if this amount changes

Note 2: Authorized Amount (Net Available for Spending) must be obligated by _____ (enter date) because cooperator funding expires. Example: Federal agency funding source expires prior to Agreement Expiration Date, i.e. one-year funds available for current FY only

*Update WorkPlan for dollar amounts and to include agreement job code assigned. If overhead (burden) assessment applies, update project job code to include overhead. Place amount under OTHER RESOURCE TYPE - BURDEN in WorkPlan.

**Job Code balances shall be monitored using either WorkPlan expenditure reports or RACA Fund Control Report. RACA Fund Control Report is accessible via BRIO Managerial Reports or ASC Reports Dashboard, Standard B&F Reports

Project Manager: Beverly Everson
 Location: 0305
 Phone Number: 520-388-8428

RACA Processor: Diana Forsberg
 Date Issued: 1-12-2010
 Phone Number: 1-877-372-7248

Norene Norris

09/25/2009

> Mod Template



Norene Norris/R3/USDAFS
09/25/2009 02:22 PM

To Melinda D Roth/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES
cc
bcc
Subject Mod Template

Rosemont MOU

Here's the mod template for you to enter data into, Bev/Mindee.



Mod_Template_MyEdits.doc

Norene Norris, Grants & Agreements Coordinator
Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

When you're up to your fanny in alligators,
it's difficult to remind yourself that
your initial objective was to drain the swamp.



United States
Department of
Agriculture

Forest
Service

Coronado National
Forest

300 W. Congress St.
Tucson, AZ 85701
(520) 388-8300
FAX (520) 388-8305

File Code: 1580

Date: January 31, 2008

Rosemont Copper Company, Inc.
ATTN: Sherry Varecka
4500 Cherry Creek South Drive, Suite 1040
Denver CO 80246

Dear Ms. Varecka:

Enclosed are two copies of the Memorandum of Understanding, signed by our forest supervisor. Please obtain the appropriate signature on both copies, and return one fully executed copy to me.

Please call me at 520.388.8325 if you have any questions. Thank you for your continued cooperation.

Sincerely,

NORENE NORRIS
Grants & Agreements Coordinator

Enclosures (2)



1/29/2008

14. This MOU is not intended to, and does not create, any right, benefit, or trust responsibility, substantive or procedural, enforceable at law or equity, by a party against the United States, its agencies, its officers, or any person.

15. This MOU may be amended upon mutual written agreement of all parties.

16. This MOU is effective upon the signature of the Forest Service and the Proponent.

17. Unless terminated earlier, this MOU shall expire on the day on which the Forest Service appeal resolution period has ended.

18. By signature below, the Proponent certifies that the individuals listed in this document as Representatives of the Proponent are authorized to act in their respective areas for matters related to this MOU.

THE PARTIES HERETO have executed this MOU.

ROSEMONT COPPER COMPANY

**USDA FOREST SERVICE
CORONADO NATIONAL FOREST**

GIL CLAUSEN

DATE

Jeanine A. Derby

JEANINE A. DERBY
Forest Supervisor

1/30/08

DATE

The authority and format of this instrument has been reviewed and approved for signature.

Norene Norris

NORENE NORRIS
Forest Service Grants & Agreements Specialist

1/29/08

DATE

Norene Norris

04/14/2009 > Revised Job Code Notification for Agreement



Diana L
Forsberg/WO/USDAFS

04/13/2009 09:32 AM

To Beverley A Everson/R3/USDAFS@FSNOTES, Norene
Norris/R3/USDAFS@FSNOTES, David J
Evans/R3/USDAFS@FSNOTES

cc

bcc

Subject Revised Job Code Notification for Agreement
07-CO-11030510-024

Hello:

Attached is a revised job code notification, reflecting the paid advance bill. Thank you.

Diana L. Forsberg - RACA Branch
ASC - USFS - Financial Analyst
Phone: 1-877-372-7248
Fax: 1-866-342-0713



Job Code Sheet 07-CO-11030510-024 revised 3.xls

Norene Norris

04/14/2009 > Fw: USFS Confirmed Wire Transfer Attached



Beverley A
Everson/R3/USDAFS
04/09/2009 02:04 PM

To Daniel Montez/R3/USDAFS@FSNOTES, Norene
Norris/R3/USDAFS@FSNOTES
cc
bcc

Subject Fw: USFS Confirmed Wire Transfer Attached

FYI

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 04/09/2009 02:03 PM -----



Jamie Sturgess
<jsturgess@augustaresource.com>

To Beverley A Everson <beverson@fs.fed.us>
cc

04/09/2009 01:31 PM

Subject FW: USFS Confirmed Wire Transfer Attached

Bev:

Attached is a pdf confirmation of the wire transfer made last week to the USFS for second quarter MOU payments.

Jamie Sturgess

----- Forwarded Message

From: Bridget Johnson <bjohnson@augustaresource.com>

Date: Thu, 09 Apr 2009 13:52:03 -0600

To: Jamie Sturgess <jsturgess@augustaresource.com>

Subject: USFS Confirmed Wire Transfer Attached

Thank you,
Bridget Johnson
Administrative Assistant

Norene Norris

04/14/2009 > Fw: USFS Unconfirmed Wire Transfer At

Rosemont Copper Company

a subsidiary of Augusta Resource Corporation

4500 Cherry Creek South Drive Suite 1040, Denver, CO 80246

Phone: (303) 300 0134 • Fax: (303) 300 0135

Website: www.rosemontcopper.com <<http://www.augustaresource.com/>>

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----- End of Forwarded Message Wire Transfer to USFS 20090402.pdf

FASCIMILE



Budget and Finance
Coronado National Forest
300 West Congress
Tucson, AZ 85701
Fax: 520-388-8331

Date: 11/5/07

Recipient:

Name: ASC-RACA-ATTN: Diana Forsberg
Phone: ~~505~~ 877.372.7248
Fax: 866.342.0713

Sender:

Name: Nerene Norris
Phone: 520.388.8325

Number of pages (including cover sheet): 4

Message (optional):

Please roll job code over for agreement
#07-CO-11030510-024. Thanks!

USDA Forest Service

FS-6500-205 (11/06)



Reimbursable and Advance Collection Agreement Transmittal Form
Albuquerque Service Center (B&F)
 (Reference FSH 6509.11k, Chapter 50)

Agreement Information

1.	FS agreement number: <u>07 CO-11030510-024</u>
2.	Cooperator agreement number, project number or other identifying number pertinent to cooperator: _____
3.	Purpose of transmittal (check one only) <input type="checkbox"/> New agreement <input type="checkbox"/> Modification <input checked="" type="checkbox"/> WorkPlan to request job code in new year of multi-year agreement <input type="checkbox"/> Other (explain): _____
4.	Expiration Date (Month/Day/Year): _____
5.	For multi-year agreements, do agreement terms and/or annual operating plan clearly state the period of performance and identify any restrictions on annual spending? Yes <input type="checkbox"/> No <input type="checkbox"/> ► Stop. Agreement must be modified to clearly state this information.
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8.	Optional field A job code(s) will be assigned by ASC RACA to record project costs. Job code description appears on project management financial reports. If project manager has a preferred description to better identify project on job code listings or reports, enter below. Job Code Description Limit 25 Characters: _____
9.	Required attachments: Executed copy of agreement with annual operating plan <input type="checkbox"/> WorkPlan screen print <input type="checkbox"/> IWeb screen print <input type="checkbox"/>
10.	Remarks: Please roll job code over to FY 2008 for the enclosed Work Plan. Thanks!

Forest Service Contact Information

11.	Region and Unit number (RRUU): <u>0305</u>
12.	Project Manager First name: _____ Last name: _____ Contact telephone number(s), include area code: _____
13.	Grants and Agreements Specialist First name: <u>Norene</u> Last name: <u>Norris</u> Contact telephone number(s), include area code: <u>520.388.8325</u>
14.	Unit-level Budget contact First name: <u>Dan</u> Last name: <u>Montez</u> Contact telephone number(s), include area code: <u>520.388.8323</u>

Cooperator Contact Information

15.	Cooperator name: _____
16.	Cooperator Taxpayer Identification Number (TIN): _____
17.	Federal (Non-USDA) a. Agency Location Code (ALC): _____ b. Obligating Document No.: _____ c. Treasury Symbol: _____
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19.	Cooperator administrative contact: First name: _____ Last name: _____ Contact telephone number(s), include area code: _____ E-mail address: _____

USDA Forest Service WorkPlan System

Project Header

Name: SO/ALM - Rosemont Mine Project - CWFS24
Description:
National Goal: 5 - Maintain Basic Management Capabilities of the Forest Service
Objective: 5.0.0 - Maintain Basic Management Capabilities of the Forest Service
Leader: Bill Jones **Fiscal Year:** 2008
Unit Priority: **Unit:** CORONADO
Approved: No **Status:**
Stewardship Contract?: No
Project UDF 1:
Project UDF 2:
Project UDF 3:
Project UDF 4:

Comments: Agreement #07-CO-11030510-024

Created by David Evans on 2007-07-13

Last Modified by David Evans on 2007-09-28

Project Totals

Total Personnel Costs:	\$179,292
Total Fleet Cost:	\$5,904
Total Other Cost:	\$12,549
Total Project Cost:	\$197,739

Activities

CWFS	
Job Code:	
Activity Name	Allocated Cost
CWFS-LA	\$198,390
BLI Total	\$197,739
Activity Total	\$198,390
Balance	\$-651

Accomplishments

CWFS
CWFS-LA
No accomplishments found.

Personnel

Personnel	Rate/day	CWFS	Total Days	Total
ABLE, JOHN	\$307.00	\$5,526	18	\$5,526
BONE, DYAN	\$149.00	\$447	3	\$447
BROWN, KENDALL	\$317.00	\$3,170	10	\$3,170
CAMPBELL, ANDREA	\$434.00	\$26,040	60	\$26,040
CLARK, LAUREN	\$109.00	\$1,199	11	\$1,199
EMMETT, TAMRA	\$288.00	\$2,880	10	\$2,880
EVERSON, BEVERLEY	\$365.00	\$81,030	222	\$81,030
FARRELL, MARY	\$358.00	\$5,370	15	\$5,370
GILLESPIE, WILLIAM	\$342.00	\$5,130	15	\$5,130
JONES, JANET	\$205.00	\$10,250	50	\$10,250
JONES, LAWRENCE	\$338.00	\$3,380	10	\$3,380
KRIEGEL, DEBORAH	\$340.00	\$8,500	25	\$8,500
MCKAY, GEORGE	\$355.00	\$5,325	15	\$5,325
SEBESTA, DEBORAH	\$291.00	\$7,275	25	\$7,275
SHAFIQULLAH, SALEK	\$306.00	\$13,770	45	\$13,770
Total		\$179,292	534	\$179,292

Fleet

Fleet	FOR Rate/Month	Months	Use Rate	Use Units	CWFS	Total
5707 - ESCAPE 4X4 HYBRID	\$469	4	\$0.32/MILE	8,400	\$4,584	\$4,584
5964 - JEEP RUBICON	\$469	1	\$0.32/MILE	2,722	\$1,340	\$1,340
Total					\$5,904	\$5,904

Other Resources

Other Resources	Units Needed	CWFS	Total
Contracts	938 DOLLAR US	\$938	\$938
Copier Maintenance Agreement	1,800 DOLLAR US	\$1,800	\$1,800
Equipment	1,251 DOLLAR US	\$1,251	\$1,251
Misc. Expenses	1,000 DOLLAR US	\$1,000	\$1,000

USDA Forest Service WorkPlan System..

Travel	7,554 DOLLAR US	\$7,554	\$7,554
	Total	\$12,543	\$12,543

FASCIMILE



Budget and Finance
Coronado National Forest
300 West Congress
Tucson, AZ 85701
Fax: 520-388-8331

Date: 11/5/07

Recipient:

Name: ASC-RACA-ATTN: Diana Forsberg
Phone: ~~505~~ 877.372.7248
Fax: 866.342.0713

Sender:

Name: Norene Norris
Phone: 520.388.8325

Number of pages (including cover sheet): 24

Message (optional):

Please roll job code over for agreement
07-CO-11030510-024. Thanks!



Reimbursable and Advance Collection Agreement Transmittal Form
Albuquerque Service Center (B&F)
(Reference FSH 6509.11k, Chapter 50)

Agreement Information

1.	FS agreement number: <u>07 CO-11030510-024</u>
2.	Cooperator agreement number, project number or other identifying number pertinent to cooperator: _____
3.	Purpose of transmittal (check one only) <input type="checkbox"/> New agreement <input type="checkbox"/> Modification <input checked="" type="checkbox"/> WorkPlan to request job code in new year of multi-year agreement <input type="checkbox"/> Other (explain): _____
4.	Expiration Date (Month/Day/Year): _____
5.	For multi-year agreements, do agreement terms and/or annual operating plan clearly state the period of performance and identify any restrictions on annual spending? Yes <input type="checkbox"/> No <input type="checkbox"/> ► Stop. Agreement must be modified to clearly state this information.
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Name: SO/ALM - Rosemont Mine Project - CWFS24

Description:

National Goal: 5 - Maintain Basic Management Capabilities of the Forest Service

Objective: 5.0.0 - Maintain Basic Management Capabilities of the Forest Service

Leader: Bill Jones

Fiscal Year: 2008

Unit Priority:

Unit: CORONADO

Approved: No

Status:

Stewardship Contract?: No

Project UDF 1:

Project UDF 2:

Project UDF 3:

Project UDF 4:

Comments: Agreement #07-CO-11030510-024

Created by David Evans on 2007-07-13

Last Modified by David Evans on 2007-09-28

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Travel	7,554 DOLLAR US	\$7,554	7,554
	Total	\$12,543	\$12,543

Norene Norris

12/03/2008Re: Norene, ...y chance you could whip to



Reta Laford/R3/USDAFS
12/03/2008 12:47 PM

To Norene Norris/R3/USDAFS@FSNOTES
cc Beverley A Everson/R3/USDAFS@FSNOTES, John Able/R3/USDAFS@FSNOTES, Kendra L Bourgart/WO/USDAFS@FSNOTES, Sylvia Nunez/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES
bcc
Subject Re: Norene, Any chance you could whip together a mod by Friday morning to replace Sylvia's title w/ Bev's?? (Rosemont Copper Project EIS) 

Jamie Sturgess, Vice-President, Projects and Environment
Norene Norris

----- Original Message -----

From: Norene Norris
Sent: 12/03/2008 12:28 PM MST
To: Reta Laford
Cc: Beverley Everson; John Able; Kendra Bourgart; Sylvia Nunez; Teresa Ann Ciapusci
Subject: Re: Norene, Any chance you could whip together a mod by Friday morning to replace Sylvia's title w/ Bev's?? (Rosemont Copper Project EIS)
What is Jamie's title?

Norene Norris, Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

"One consolation about memory loss in old age is
that you also forget a lot of things you
didn't intend to remember in the first place."
George Carlin
(That's my story and I'm stickin' to it!)

Reta Laford/R3/USDAFS



Reta Laford/R3/USDAFS
12/03/2008 07:32 AM

To Beverley A Everson/R3/USDAFS@FSNOTES
cc John Able/R3/USDAFS@FSNOTES, Kendra L Bourgart/WO/USDAFS@FSNOTES, Norene Norris/R3/USDAFS@FSNOTES, Sylvia Nunez/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES
Subject Re: Norene, Any chance you could whip together a mod by Friday morning to replace Sylvia's title w/ Bev's??



(Rosemont Copper Project EIS) 

Norene - Please replace Sylvia's title with Forest Supervisor. I request this so she will be the one signing off, regardless of whom the staff leg work is assigned. Apologies for the late change. Thanks.

Beverley A Everson

----- Original Message -----

From: Beverley A Everson

Sent: 12/02/2008 03:47 PM MST

To: Reta Laford

Cc: John Able; Kendra Bourgart; Norene Norris; Reta Laford; Sylvia Nunez; Teresa Ann Ciapusci

Subject: Re: Norene, Any chance you could whip together a mod by Friday morning to replace Sylvia's title w/ Bev's?? (Rosemont Copper Project EIS)

Reta, I would appreciate it if we could replace Sylvia with "Interdisciplinary Team leader or Project Manager" in the modification. I'd like to have the option of sharing this responsibility with Teresa Ann, and I realize once the modification is made, it's going to be a done deal

Thanks.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

Reta Laford/R3/USDAFS



Reta Laford/R3/USDAFS

12/02/2008 01:13 PM

To Reta Laford/R3/USDAFS@FSNOTES, Norene Norris/R3/USDAFS@FSNOTES, Sylvia Nunez/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES

cc John Able/R3/USDAFS@FSNOTES, Kendra L Bourgart/WO/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES

Subject Re: Norene, Any chance you could whip together a mod by Friday morning to replace Sylvia's title w/ Bev's?? (Rosemont Copper Project EIS) 

Reta Laford

----- Original Message -----

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Subject: Any chance you could whip together a mod by Friday morning to replace Sylvia's title w/ Bev's?? (Rosemont Copper Project EIS)

Hi Norene - After much deliberation we have come full circle . . . We would like to modify our MOU with Rosemont to replace Sylvia's title (Contracting Officer) with Bev's (Interdisciplinary Team Leader) in Section III of the MOU as noted below. Do you think you might be able to pull this off for a Friday meeting we have with the Company? If so, please have Jamie Sturgess as the Company's signator, so he can sign on site.

1. Purpose of the Modification: The purpose of this modification is to facilitate the administration of the Memorandum of Understanding (MOU). Specifically, the Parties desire to modify:

(a) Section III of Attachment 1 to the MOU to change Forest Service subcontractor approval to the agency interdisciplinary team leader.

2. Change in Performance period: None.

3. Change in Funds Available: Not applicable.

This modification is issued pursuant to Clause No. 9, Section III of Attachment 1, and Attachment 2. (*Norene, please double check this*)

Section III of Attachment 1 to the MOU is modified by deleting the last paragraph in its entirety and replacing it with the following:

SUBCONTRACTORS: The Forest Service's Interdisciplinary Team Leader must review and approve potential subcontractors to the Consultant who will contribute to fulfillment of the tasks described herein, and any future additions to the approved list of subcontractors once established.

Reta Laford, Deputy Forest Supervisor

USDA Forest Service, Coronado National Forest
300 W Congress Street, Tucson, AZ 85701

Phone: 520-388-8307 (office), 505-452-7557 (cell)

Norene Norris

12/03/2008Re: Norene, ...y chance you could whip to

Fax: 520-388-8305

Email: rlaford@fs.fed.us

Norene Norris

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12/03/2008 07:32 AM

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Sent: 12/02/2008 03:47 PM MST
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Reta Laford/R3/USDAFS



Reta Laford/R3/USDAFS
12/02/2008 01:13 PM

To: Reta Laford/R3/USDAFS@FSNOTES, Norene Norris/R3/USDAFS@FSNOTES, Sylvia Nunez/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES
cc:



John Able/R3/USDAFS@FSNOTES, Kendra L
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Ciapusci/R3/USDAFS@FSNOTES

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12/03/2008Re: Norene, any chance you could whip t

Reta Laford, Deputy Forest Supervisor

USDA Forest Service, Coronado National Forest
300 W Congress Street, Tucson, AZ 85701

Phone: 520-388-8307 (office), 505-452-7557 (cell)

Fax: 520-388-8305

Email: rlaford@fs.fed.us

Norene Norris

12/02/2008 Re: Norene, any chance you could whip t



Beverley A
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12/02/2008 03:47 PM

To Reta Laford/R3/USDAFS@FSNOTES
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Bourgart/WO/USDAFS@FSNOTES, Norene
Norris/R3/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES, Sylvia
Nunez/R3/USDAFS@FSNOTES, Teresa Ann
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Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

Reta Laford/R3/USDAFS

A handwritten signature in black ink, appearing to read "Reta".

Reta Laford/R3/USDAFS
12/02/2008 01:13 PM

To Reta Laford/R3/USDAFS@FSNOTES, Norene
Norris/R3/USDAFS@FSNOTES, Sylvia
Nunez/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES
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Fax: 520-388-8305

Email: rlaford@fs.fed.us

Norene Norris

12/02/2008 Norene, Any chance you could whip togeth



Reta Laford/R3/USDAFS

12/02/2008 12:37 PM

To Norene Norris/R3/USDAFS@FSNOTES, Sylvia Nunez/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES

cc John Able/R3/USDAFS@FSNOTES, Kendra L Bourgart/WO/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, Reta Laford/R3/USDAFS@FSNOTES

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This modification is issued pursuant to Clause No. 9, Section III of Attachment 1, and Attachment 2. (*Norene, please double check this*)

Section III of Attachment 1 to the MOU is modified by deleting the last paragraph in its entirety and replacing it with the following:

SUBCONTRACTORS: The Forest Service's Interdisciplinary Team Leader must review and approve potential subcontractors to the Consultant who will contribute to fulfillment of the tasks described herein, and any future additions to the approved list of subcontractors once established.

Sylvia / Bev - Please work on a draft write-up for the record that documents our rationale for the mod. A couple things to consider for the write up could include the following . . .

Limited Authority: The Forest Contracting Officer has authorities limited to the execution of contracts under the Federal Acquisition Rules. The Forest Contracting Officer does not have authority in matters related to the execution of . . . blah, blah, blah. . . on this type of contract, identify the type of contract . . . blah, blah, blah.

Subject Matter Expertise: The Interdisciplinary Team Leader is a resource management professional and as such is better equipped to assess technical qualifications of potential subcontractors.

I also have a few hand notes at my desk that I might add to your draft before finalized.

Reta Laford, Deputy Forest Supervisor

USDA Forest Service, Coronado National Forest
300 W Congress Street, Tucson, AZ 85701

Phone: 520-388-8307 (office), 505-452-7557 (cell)
Fax: 520-388-8305
Email: rlaford@fs.fed.us

Norene Norris

01/08/2010

> Rosemont MOU Mod. 5



Norene Norris/R3/USDAFS

01/08/2010 01:04 PM

To Melinda D Roth/R3/USDAFS@FSNOTES

cc Reta Laford/R3/USDAFS@FSNOTES

bcc

Subject Rosemont MOU Mod. 5

Here it is - signed, sealed, delivered, & entered into I-Web.



RosemontMOU_Mod05.pdf

Norene Norris, Grants & Agreements, Coronado NF

Phone: 520.388.8325

Fax: 520.388.8331

E-Mail: nnorris@fs.fed.us

"The problem with winter sports is that -

follow me closely here -

they generally take place in winter."

Dave Barry

Norene Norris

06/23/2010Re: Fw: Question, 07-CO-11030510-024



Melinda D
Roth/R3/USDAFS
06/21/2010 10:01 AM

To Norene Norris/R3/USDAFS@FSNOTES
cc Andrea G Sepulveda/R3/USDAFS@FSNOTES, Daniel
Montez/R3/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES, Melinda D
bcc

Subject Re: Fw: Question, 07-CO-11030510-024 Rosemont Mine



History: This message has been replied to.

I believe Reta mentioned to Jamie Sturgess on Friday that the bills are still not paid and Jamie said he would follow up. I'll follow up with Reta. I think we should bill them for the 4th quarter as scheduled. We have a meeting with Rosemont this Friday and I will remind them of outstanding and future bills.

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

Norene Norris/R3/USDAFS



Norene Norris/R3/USDAFS
06/21/2010 09:32 AM

To Reta Laford/R3/USDAFS@FSNOTES, Melinda D
Roth/R3/USDAFS@FSNOTES
cc Andrea G Sepulveda/R3/USDAFS@FSNOTES, Daniel
Montez/R3/USDAFS@FSNOTES
Subject Fw: Question, 07-CO-11030510-024 Rosemont Mine

See Diana's question below. I realize it's time to bill for the 4th quarter, but I'm more concerned about the fact that they haven't paid the 3rd quarter bill, or the mod for the "special funding". What say you?

I'm leaving to go to a fire at 1100. If I don't have an answer for Diana before I leave, please let Andrea know what to do about this while I'm gone. Thanks!

Norene Norris, Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

Never let the brain idle.
"An idle mind is the devil's workshop."
And the devil's name is Alzheimer's.

----- Forwarded by Norene Norris/R3/USDAFS on 06/21/2010 09:27 AM -----



Diana L
Forsberg/WO/USDAFS
06/18/2010 02:04 PM

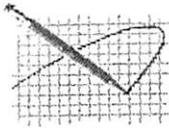
To Norene Norris/R3/USDAFS@FSNOTES
cc
Subject Question, 07-CO-11030510-024 Rosemont Mine

Hello Norene:

A reminder popped up to do the next billing for this agreement with a note to double-check with you first. Is it okay to issue an advance bill for \$181,935.25 for the above agreement?

Thanks and hope you have a nice weekend..

Diana L. Forsberg - RACA Branch
ASC - USFS - Financial Analyst
Phone: 1-877-372-7248
Fax: 1-866-342-0713



Diana L
Forsberg/WO/USDAFS
06/21/2010 11:20 AM

To Norene Norris/R3/USDAFS@FSNOTES
cc Andrea G Sepulveda/R3/USDAFS@FSNOTES, Daniel
Montez/R3/USDAFS@FSNOTES, Melinda D
Roth/R3/USDAFS@FSNOTES, Reta
bcc
Subject Re: Fw: Question, 07-CO-11030510-024 Rosemont Mine

Okay, thanks. I will input the bill today.

Norene Norris/R3/USDAFS



Norene Norris /R3/USDAFS
06/21/2010 11:56 AM

To Diana L Forsberg/WO/USDAFS@FSNOTES
cc Melinda D Roth/R3/USDAFS@FSNOTES, Andrea G
Sepulveda/R3/USDAFS@FSNOTES, Daniel
Montez/R3/USDAFS@FSNOTES, Melinda D
Roth/R3/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES
Subject Re: Fw: Question, 07-CO-11030510-024 Rosemont Mine

Here's your answer, Diana - thanks for checking up on this!!

Norene Norris, Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

Never let the brain idle.
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And the devil's name is Alzheimer's.

Melinda D Roth/R3/USDAFS



Melinda D Roth /R3/USDAFS
06/21/2010 10:01 AM

To Norene Norris/R3/USDAFS@FSNOTES
cc Andrea G Sepulveda/R3/USDAFS@FSNOTES, Daniel
Montez/R3/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES, Melinda D
Roth/R3/USDAFS@FSNOTES
Subject Re: Fw: Question, 07-CO-11030510-024 Rosemont Mine

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Mindee Roth
Coronado National Forest
300 W. Congress, FB42

Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

Norene Norris/R3/USDAFS

Norene Norris/R3/USDAFS

06/21/2010 09:32 AM



To: Reta Laford/R3/USDAFS@FNSOTES, Melinda D
Roith/R3/USDAFS@FNSOTES
cc: Andrea G Sepulveda/R3/USDAFS@FNSOTES, Daniel
Montez/R3/USDAFS@FNSOTES
Subject: Fw: Question, 07-CO-11030510-024 Rosemont Mine

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I'm leaving to go to a fire at 1100. If I don't have an answer for Diana before I leave, please let Andrea know what to do about this while I'm gone. Thanks!

Norene Norris, Grants & Agreements, Coronado NF

Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: mnorris@fs.fed.us

Never let the brain idle.
"An idle mind is the devil's workshop."
And the devil's name is Alzheimer's.

----- Forwarded by Norene Norris/R3/USDAFS on 06/21/2010 09:27 AM -----

Diana L
Forsberg/WO/USDAFS

06/18/2010 02:04 PM



Subject: Question, 07-CO-11030510-024 Rosemont Mine

cc

To: Norene Norris/R3/USDAFS@FNSOTES

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Thanks and hope you have a nice weekend...

Diana L. Forsberg - RACA Branch
ASC - USFS - Financial Analyst
Phone: 1-877-372-7248
Fax: 1-866-342-0713

Norene Norris

11/30/2009Re: Fw: signed copy of the FY 2010 Fore:



Norene Norris/R3/USDAFS

11/30/2009 10:44 AM

To Melinda D Roth/R3/USDAFS@FSNOTES

cc

bcc

Subject Re: Fw: signed copy of the FY 2010 Forest Service /
Rosemont Collection Agreement

Good question, Mindy. As I recall, we have in the past, received a check from them, without a bill to associate it with. They do need to wait until we bill them. Thanks!

Norene Norris, Grants & Agreements, Coronado NF

Phone: 520.388.8325

Fax: 520.388.8331

E-Mail: nnorris@fs.fed.us

"If you can't be a good example, then you'll
just have to be a horrible warning."

Catherine Aird

Melinda D Roth/R3/USDAFS



Melinda D

Roth/R3/USDAFS

11/23/2009 02:18 PM

To Norene Norris/R3/USDAFS@FSNOTES

cc

Subject Fw: signed copy of the FY 2010 Forest Service /
Rosemont Collection Agreement

Will the Company be billed or do they know how to send the deposits?

Mindee Roth

Coronado National Forest

300 W. Congress, FB42

Tucson, AZ 85701

(520) 388-8319

(520) 396-0715 (cell)

(520) 388-8305 (FAX)

----- Forwarded by Melinda D Roth/R3/USDAFS on 11/23/2009 02:17 PM -----



Sturgess Jamie

<jsturgess@augustaresource.com>

11/23/2009 01:57 PM

To Melinda D Roth <mroth@fs.fed.us>, Reta Laford
<rlaford@fs.fed.us>

cc Raghunath Reddy <rreddy@augustaresource.com>, Kathy
Arnold <karnold@rosemontcopper.com>, Buck Andrews

Norene Norris

11/30/2009 Re: Fw: signed copy of the FY 2010 Fore:



<bandrews@augustaresource.com>, Rod Pace
<rpace@rosemontcopper.com>, Gil Clausen
<gclausen@augustaresource.com>
Subject FW: signed copy of the FY 2010 Forest Service /
Rosemont Collection Agreement

23 November 2009

Melinda and Reta:

Attached is a scan version of the collection agreement signed by Rosemont.

Rosemont will begin deposits as noted, as soon as a fully executed copy is returned for our records.

Best regards for the year to come.

Jamie Sturgess
VP Sustainable Development
Augusta / Rosemont Copper Company

----- Forwarded Message

From: Ricoh_Scanner <RicoH_Scanner@augustaresource.com>
Date: Mon, 23 Nov 2009 20:52:13 +0000
To: Jamie <jsturgess@augustaresource.com>

This E-mail was sent from "RNPCOD18C" (IMAGE SCANNER IS300e).
Scan Date: 11.23.2009 20:52:13 +0000
Queries to: Ricoh_Scanner@augustaresource.com

----- End of Forwarded Message

[attachment "SDOC0001.pdf" deleted by Norene Norris/R3/USDAFS]

Norene Norris

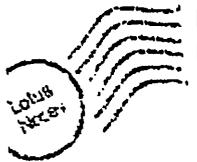
09/10/2008 > Fw: Subje Proposed Rosemont Cooper

David J Evans/R3/USDAFS
09/10/2008 10:19 AM

To Norene Norris/R3/USDAFS@FSNOTES
cc
bcc
Subject Fw: Subject: Proposed Rosemont Cooper Project -
Tentative Personnel & Budget Planning - ATTACHMENT

Norene...so are you anticipating us get almost \$650,000 for Rosemont in 2009?

----- Forwarded by David J Evans/R3/USDAFS on 09/10/2008 10:18 AM -----



Beverley A
Everson/R3/USDAFS
09/08/2008 05:26 PM

To pdl r3 coronado flt@FSNOTES, Mary M
Farrell/R3/USDAFS@FSNOTES, Robert
Lefevre/R3/USDAFS@FSNOTES
cc Kendall Brown/R3/USDAFS@FSNOTES, Andrea W
Campbell/R3/USDAFS@FSNOTES, Eli
Curiel/R3/USDAFS@FSNOTES, Sarah L
Davis/R3/USDAFS@FSNOTES, Tami
Emmett/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES, William B
Gillespie/R3/USDAFS@FSNOTES, Larry
Jones/R3/USDAFS@FSNOTES, Walter
Keyes/R3/USDAFS@FSNOTES, Debby
Kriegel/R3/USDAFS@FSNOTES, Christopher C
LeBlanc/R3/USDAFS@FSNOTES, Devin
Quintana/R3/USDAFS@FSNOTES, Roxane M
Raley/R3/USDAFS@FSNOTES, Heidi
Schewel/R3/USDAFS@FSNOTES, Deborah K
Sebesta/R3/USDAFS@FSNOTES, Salek
Shafiqullah/R3/USDAFS@FSNOTES, Kendra L
Bourgart/WO/USDAFS@FSNOTES
Subject Subject: Proposed Rosemont Cooper Project - Tentative
Personnel & Budget Planning - ATTACHMENT

Please see my previous e-mail; here is the attachment that was omitted from it.



2008_0908_rosemont_workplan.pdf

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Norene Norris

09/10/2008 > Fw: Subject Proposed Rosemont Cooper

Voice: 520-388-8428

Fax: 520-388-8305

WorkPlan

Project Work Plan Report ID: Proj 4

Unit: 0305 CORONADO
Fiscal Year: 2009

Date: 09/08/2008
Time: 05:28 PM

Project: SO/ALM - Rosemont Mine Project - CWFS24

Subunit: CORONADO

Description: N/A

Leader: Bourgart, Kendra

Status:
Approval: N
Priority:

Employees

Name	Assignment Description	Days Planned	Salary		TTTOS	Other Costs	Employee Cost
			Rate	Cost			
JOHN	ABLE	160	\$311.00	\$49,760	\$0	\$0	\$49,760
ALAN	BELAUSKAS	10	\$343.00	\$3,430	\$0	\$0	\$3,430
KENDRA	BOURGART	210	\$290.68	\$61,043	\$0	\$0	\$61,043
KENDALL	BROWN	10	\$333.00	\$3,330	\$0	\$0	\$3,330
ANDREA	CAMPBELL	52	\$447.00	\$23,244	\$0	\$0	\$23,244
TERESA ANN	CIAPUSCI	210	\$443.00	\$93,030	\$0	\$0	\$93,030
ELIJO	CURIEL JR	26	\$353.00	\$9,178	\$0	\$0	\$9,178
SARAH	DAVIS	60	\$379.00	\$22,740	\$0	\$0	\$22,740
TAMRA	EMMETT	10	\$306.00	\$3,060	\$0	\$0	\$3,060
BEVERLEY	EVERSON	261	\$375.00	\$97,875	\$0	\$0	\$97,875
MARY	FARRELL	85	\$371.00	\$31,535	\$0	\$0	\$31,535
WILLIAM	GILLESPIE	85	\$351.00	\$29,835	\$0	\$0	\$29,835
LAWRENCE	JONES	52	\$354.00	\$18,408	\$0	\$0	\$18,408
WALTER	KEYES	60	\$373.00	\$22,380	\$0	\$0	\$22,380
DEBORAH	KRIEGEL	60	\$349.00	\$20,940	\$0	\$0	\$20,940
CHRISTOPHE R	LEBLANC	15	\$183.00	\$2,745	\$0	\$0	\$2,745
ROBERT	LEFEVRE	52	\$396.00	\$20,592	\$0	\$0	\$20,592
GEORGE	MCKAY	15	\$365.00	\$5,475	\$0	\$0	\$5,475
DEVIN	QUINTANA	10	\$130.00	\$1,300	\$0	\$0	\$1,300
ROXANE	RALEY	5	\$211.00	\$1,055	\$0	\$0	\$1,055
HEIDI	SCHEWEL	5	\$270.00	\$1,350	\$0	\$0	\$1,350
DEBORAH	SEBESTA	85	\$306.00	\$26,010	\$0	\$0	\$26,010
SALEK	SHAFIQULLAH	195	\$317.00	\$61,815	\$0	\$0	\$61,815
THOMAS	SKINNER	13	\$391.00	\$5,083	\$0	\$0	\$5,083
		1,746		\$615,213	\$0	\$0	\$615,213

Fleet

Fleet ID	Name	Class	UDF	Use		FOR		Fleet Cost
				Rate	Units	Rate	Months	
5707	ESCAPE 4X4 HYBRID	252		.32/MILE	6700	\$469.00	4	\$4,020
5964	JEEP RUBICON	252		.32/MILE	1700	\$469.00	1	\$1,013

WorkPlan

Project Work Plan Report ID: Proj 4

Unit: 0305 CORONADO
Fiscal Year: 2009

Date: 09/08/2008
Time: 05:28 PM

Project: SO/ALM - Rosemont Mine Project - CWFS24

Subunit: CORONADO

Description: N/A

Leader: Bourgart, Kendra

Status:
Approval: N
Priority:

5 \$5,033

Materials, Supplies, Contracts, Agreements & Other Resources

Resource Type	Item Name	Quantity Needed	Date Needed	Other Resource Cost
Contracts	Contracts	0 DOLLAR US		\$0
Contracts	Copier Maintenance Agreement	1 YEAR		\$1,800
Plant, Property and Equipment	Equipment	1 YEAR		\$1,200
Grants and Agreements	Contingency	0 DOLLAR US		\$0
Project-wide Other Personnel Costs	Travel - Bourgart	1 YEAR		\$2,800
Project-wide Other Personnel Costs	Travel/Training	1 YEAR		\$10,000
Materials and Supplies	Misc. Expenses	0 DOLLAR US		\$0
				\$15,800

Funding

BLI	Planned Cost	BLI %	Activity Name	Activity Cost
CWFS	\$636,046	100.00%	Administer Land Use Authorizations	\$636,046
Total:				\$636,046

Accomplishments

Code	Description	UDF	Units	Planned Amount	Actual Amount	Balance
Project UDF 1:		Project UDF 2:				
Project UDF 3:		Project UDF 4:				

Comment:

Kathy Arnold <karnold@rosemontcopper.com>
10/03/2008 08:40 PM
To
"klbourgart@fs.fed.us" <klbourgart@fs.fed.us>
cc
"Joggerst, Jamie" <Jamie.Joggerst@tetrattech.com>
bcc

Subject
Stream Gauge

History:

This message has been replied to.

Kendra -

Sorry, I was tied up this afternoon and just got your message. I can confirm that the property at T18S R16E Section 15 at the road crossing is private property. Rosemont owns the eastern 1/2 of that section. To clarify this I have included a copy of our land ownership map that shows grazing leases and private property.

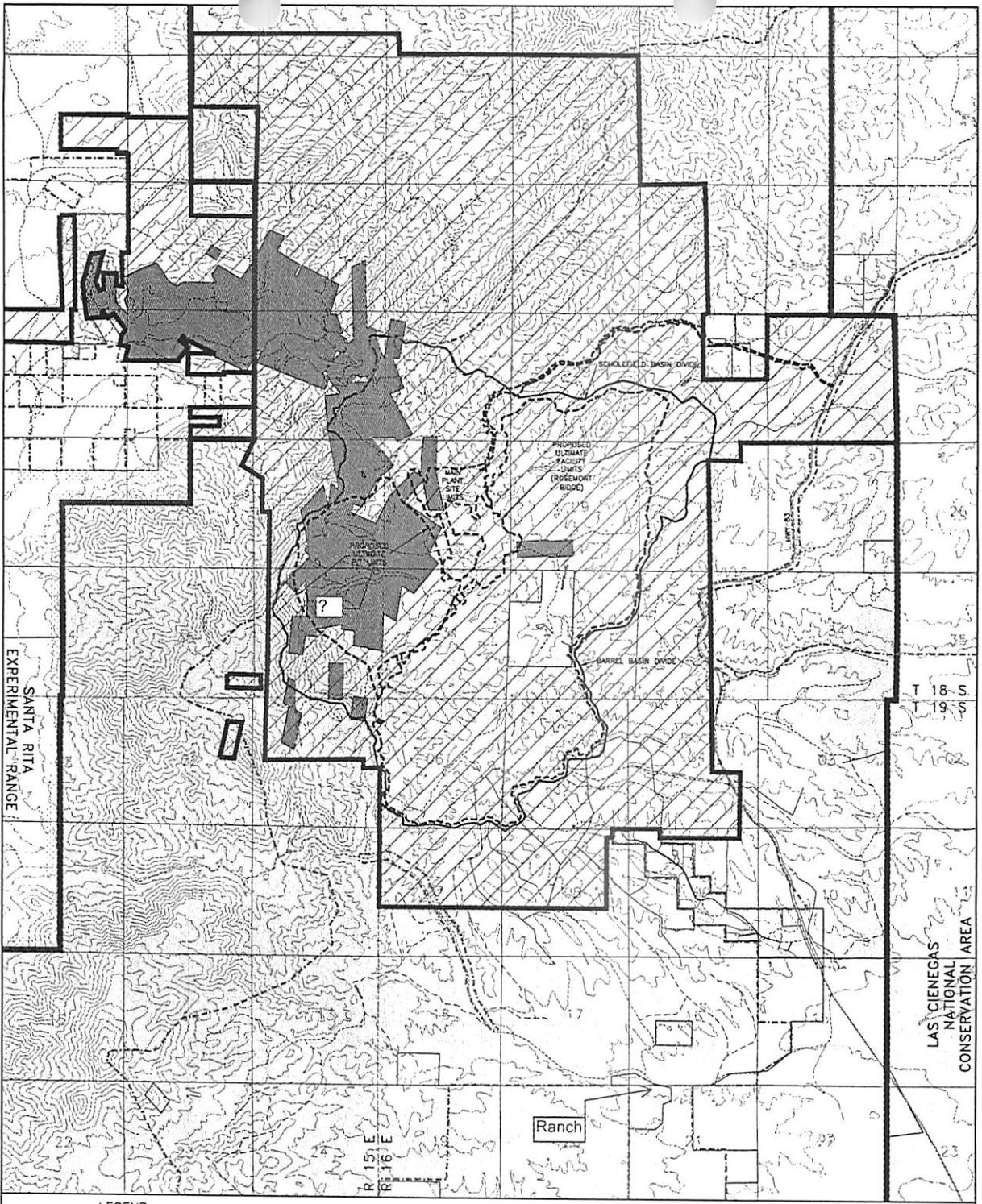
Please let me know if you need any additional information.

Thank you -
Kathy

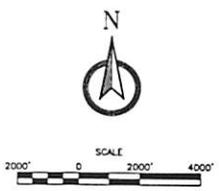
Katherine Arnold, PE | Director of Environmental and Regulatory Affairs
Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724
karnold@rosemontcopper.com

Rosemont Copper Company
P.O. Box 35130 | Tucson, AZ 85740-5130
3031 West Ina Road | Tucson, AZ 85741 | www.rosemontcopper.com

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- LEGEND**
- ROSEMONT UNPATENTED CLAIMS
 - PATENTED CLAIMS
 - ROSEMONT PRIVATE LAND
 - CORONADO NATIONAL FOREST BOUNDARY
 - CORONADO NATIONAL FOREST
 - BLM
 - STATE TRUST
 - PRIVATE LAND
 - GRAZING LAND BOUNDARY
 - FACILITY FOOTPRINT



NOTE: EXISTING GROUND CONTOUR INCREMENTATION IS 100'

MARCH 2008



FIGURE 1
LAND POSITION MAP
ROSEMONT COPPER PROJECT



United States
Department of
Agriculture

Forest
Service

Coronado National
Forest

300 W. Congress St.
Tucson, AZ 85701
(520) 388-8300
TDD (520) 388-8304
FAX (520) 388-8305

File Code: 6520
Route To:

Date: January 25, 2010

Subject: FY 2010 Allocation (03-05-24)

To: Engineering/Minerals Program Leader:

Your FY 2010 allocations are revised as follows:

Job Code	Project Name	Previous Allocation	This Allocation	Current Allocation
CWFS24	Rosemont Mine	\$118.7M	\$336.9M	\$455.6M

This allocation letter is for an additional \$336,917 under agreement # 07CO110305-10-024, Augusta Resource Arizona Corp., for the Rosemont Mine project.

Please update your workplans accordingly.

If you have questions please contact David Evans at 388-8324.

/s/ JEANINE A. DERBY
JEANINE A. DERBY
Forest Supervisor

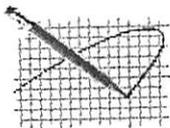
cc: Bev Everson

DMontez: 01/25/10



Norene Norris

09/18/2008 > Re: Job Code Notification for Agreement



Diana L
Forsberg/WO/USDAFS

09/18/2008 01:26 PM

To Norene Norris/R3/USDAFS@FSNOTES

cc

bcc

Subject Re: Job Code Notification for Agreement
07-CO-11030510-024 

Yes, it should. thanks

Norene Norris/R3/USDAFS



Norene Norris/R3/USDAFS

09/18/2008 02:08 PM

To Diana L Forsberg/WO/USDAFS@FSNOTES

cc David J Evans/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES

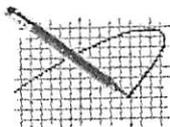
Subject Re: Job Code Notification for Agreement
07-CO-11030510-024 

Thanks, Diana! I added Evans as the BA, & changed Everson's title from PA to PRC (Project Contact). For future reference, will that identify her as the project manager?

Norene Norris, Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

If you can remain calm,
you don't have all the facts.

Diana L Forsberg/WO/USDAFS



Diana L
Forsberg/WO/USDAFS

09/18/2008 08:27 AM

To Norene Norris/R3/USDAFS@FSNOTES

cc

Subject Job Code Notification for Agreement
07-CO-11030510-024

Hello:

Norene Norris

09/18/2008 > Re: Job Code Notification for Agreement

Attached is a job code notification for the above agreement. The advance bill was paid.

Also, I did not see any project manager or budget contact in I-Web. Could you please forward this to the appropriate persons.

Thank you.

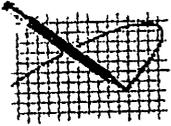
Diana L. Forsberg - RACA Branch
ASC - USFS - Financial Analyst
Phone: 1-877-372-7248
Fax: 1-866-342-0713



Job Code Sheet 07-CO-11030510-024.xls

Norene Norris

09/18/2008 > Job Code Notification for Agreement 07



Diana L
Forsberg/WO/USDAFS
09/18/2008 08:27 AM

To Norene Norris/R3/USDAFS@FSNOTES
cc
bcc
Subject Job Code Notification for Agreement
07-CO-11030510-024

Hello:

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Thank you.

Diana L. Forsberg - RACA Branch
ASC - USFS - Financial Analyst
Phone: 1-877-372-7248
Fax: 1-866-342-0713

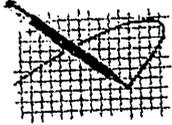


Job Code Sheet 07-CO-11030510-024.xls

*Changed Everson from
PA to PRC &
added Evans as BA*

Norene Norris

01/05/2009 > Revised Job Code Notification for Agreement



Diana L
Forsberg/WO/USDAFS
01/05/2009 02:09 PM

To: Beverley A Everson/R3/USDAFS@FSNOTES, Norene
Norris/R3/USDAFS@FSNOTES, David J
Evans/R3/USDAFS@FSNOTES

cc

bcc

Subject: Revised Job Code Notification for Agreement
07-CO-11030510-024

Hello:

Attached is a revised job code notification, reflecting the paid advance bill amount. Thank you.

Diana L. Forsberg - RACA Branch
ASC - USFS - Financial Analyst
Phone: 1-877-372-7248
Fax: 1-866-342-0713



Job Code Sheet 07-CO-11030510-024 revised 2.xls

Norene Norris

02/18/2010 > Draft Rosemont Collect. Agrmt Mod.



Melinda D
Roth/R3/USDAFS
02/18/2010 01:50 PM

To Norene Norris/R3/USDAFS@FSNOTES
cc
bcc
Subject Draft Rosemont Collect. Agrmt Mod.

for your review... Let me know wht else I need to do. Thx.
[attachment "CAModification04.docx" deleted by Norene Norris/R3/USDAFS] [attachment "Mod
04CollectionAgreementFinancialPlan.xlsx" deleted by Norene Norris/R3/USDAFS]

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)



MODIFICATION OF GRANT OR AGREEMENT

PAGE	OF PAGES
1	1

1. U.S. FOREST SERVICE GRANT/AGREEMENT NUMBER: 07-CO-11030510-024	2. RECIPIENT/COOPERATOR GRANT or AGREEMENT NUMBER, IF ANY:	3. MODIFICATION NUMBER: 04
4. NAME/ADDRESS OF U.S. FOREST SERVICE UNIT ADMINISTERING GRANT/AGREEMENT (unit name, street, city, state, and zip + 4): Coronado National Forest 300 W. Congress Tucson AZ 85701	5. NAME/ADDRESS OF U.S. FOREST SERVICE UNIT ADMINISTERING PROJECT/ACTIVITY (unit name, street, city, state, and zip + 4): Coronado National Forest 300 W. Congress Tucson AZ 85701	
6. NAME/ADDRESS OF RECIPIENT/COOPERATOR (street, city, state, and zip + 4, county): Jamie Sturgess, Rosemont Copper Company 4500 Cherry Creek South Drive, Suite 1040 Denver CO 80246	7. RECIPIENT/COOPERATOR'S HHS SUB ACCOUNT NUMBER (For HHS payment use only):	

8. PURPOSE OF MODIFICATION

CHECK ALL THAT APPLY:	This modification is issued pursuant to provisions No. C. 7, D. 19, and D. 20
<input type="checkbox"/>	CHANGE IN PERFORMANCE PERIOD:
<input checked="" type="checkbox"/>	CHANGE IN FUNDING: Add \$34,400
<input type="checkbox"/>	ADMINISTRATIVE CHANGES:
<input type="checkbox"/>	OTHER (Specify type of modification):

Except as provided herein, all terms and conditions of the Agreement referenced in 1, above, remain unchanged and in full force and effect.

9. ADDITIONAL SPACE FOR DESCRIPTION OF MODIFICATION (add additional pages as needed):

Add funding for additional personnel and support costs.

10. ATTACHED DOCUMENTATION (Check all that apply):

<input type="checkbox"/>	Revised Scope of Work
	Revised Financial Plan
<input checked="" type="checkbox"/>	Other: Supplemental Financial Plan — 12 pt.

11. SIGNATURES

AUTHORIZED REPRESENTATIVE: BY SIGNATURE BELOW, THE SIGNING PARTIES CERTIFY THAT THEY ARE THE OFFICIAL REPRESENTATIVES OF THEIR RESPECTIVE PARTIES AND AUTHORIZED TO ACT IN THEIR RESPECTIVE AREAS FOR MATTERS RELATED TO THE ABOVE-REFERENCED AGREEMENT.

11.A. SIGNATURE	11.B. DATE SIGNED	11.C. U.S. FOREST SERVICE SIGNATURE	11.D. DATE SIGNED
(Signature of Signatory Official)		(Signature of Signatory Official)	
11.E. NAME (type or print): JAMIE STURGESS		11.F. NAME (type or print): JEANINE A. DERBY	
11.G. TITLE (type or print): Rosemont Copper Company		11.H. TITLE (type or print): Forest Supervisor	

12. G&A REVIEW

12.A. The authority and format of this modification have been reviewed and approved for signature by: <div style="margin-left: 40px;"> Norene Norris U.S. Forest Service Grants & Agreements Specialist </div>	12.B. DATE SIGNED
--	--------------------------



Burden Statement

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0596-0217. The time required to complete this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or call toll free (866) 632-9992 (voice). TDD users can contact USDA through local relay or the Federal relay at (800) 877-8339 (TDD) or (866) 377-8642 (relay voice). USDA is an equal opportunity provider and employer.

Forest Service Agreement # 07-CO-11030510-24

Cooperator Agreement # _____

Collection Agreement Financial Plan
Cooperator and FS Contributions

COST ELEMENTS and related data				Cooperator Contribution	FS Non-Cash Contribution	
Line Item Cost Subtotals				Subtotal	Subtotal	Combined Subtotals
PERSONNEL						
Resource Specialists (List all personnel):	# of Days	\$/Day				
				\$0.00		\$0.00
				\$0.00		\$0.00
				\$0.00		\$0.00
				\$0.00		\$0.00
					\$0.00	\$0.00
					\$0.00	\$0.00
					\$0.00	\$0.00
					\$0.00	\$0.00
					\$0.00	\$0.00
Subtotal, Personnel:	0			\$0.00	\$0.00	\$0.00
TRAVEL						
Explanation of trips: From Where/To Where/For Whom	Vehicle Mileage Cost or Airfare Cost	# of Trips	PerDiem and Lodging			
						#VALUE!
						#VALUE!
					\$0.00	\$0.00
Subtotal, Travel:	\$0.00	0	\$0	\$0.00	\$0.00	#VALUE!
EQUIPMENT						
Name and Type of Equipment:	Unit Cost	Quantity				
				\$0.00		\$0.00
				\$0.00		\$0.00
					\$0.00	\$0.00
Subtotal, Equipment:	\$0.00	0		\$0.00	\$0.00	\$0.00
SUPPLIES						
Name and Type of Supplies:	Unit Cost	Quantity				
				\$0.00		\$0.00
				\$0.00		\$0.00
					\$0.00	\$0.00
Subtotal, Supplies:	\$0.00	0		\$0.00	\$0.00	\$0.00

CONTRACTUAL			
Describe Contracts that will most likely result from this project:			
Agreement for services from TEAMS Enterprise Unit, an internal unit of the Forest Service	\$34,400.00		\$34,400.00
			\$0.00
			\$0.00
Subtotal, Contractual:	\$34,400.00	\$0.00	\$34,400.00
OTHER			
Describe Other Costs of the Project:			
			\$0.00
			\$0.00
			\$0.00
Subtotal, Other:	\$0.00	\$0.00	\$0.00
TOTAL DIRECT CHARGES	\$34,400.00	\$0	#VALUE!
OVERHEAD ASSESSMENT (if applicable, see FSH 1909.13)	Insert Rate Here: 8.0%	\$2,752	
Total Party Costs	\$37,152	\$0	
TOTAL PROJECT COSTS			\$37,152

Burden Statement

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0596-0217. The time required to complete this information collection is estimated to average 45 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or call toll free (866) 632-9992 (voice). TDD users can contact USDA through local relay or the Federal relay at (800) 877-8339 (TDD) or (866) 377-8642 (relay voice). USDA is an equal opportunity provider and employer.



MODIFICATION OF GRANT OR AGREEMENT

PAGE 1 OF PAGES 1

1. U.S. FOREST SERVICE GRANT/AGREEMENT NUMBER: 07-CO-11030510-24 Bold		2. RECIPIENT/COOPERATOR GRANT or AGREEMENT NUMBER, IF ANY:		3. MODIFICATION NUMBER: 04 Bold	
4. NAME/ADDRESS OF U.S. FOREST SERVICE UNIT ADMINISTERING GRANT/AGREEMENT (unit name, street, city, state, and zip + 4): Coronado National Forest 300 W. Congress Ave., Tucson, AZ 85701 Bold			5. NAME/ADDRESS OF U.S. FOREST SERVICE UNIT ADMINISTERING PROJECT/ACTIVITY (unit name, street, city, state, and zip + 4): → Same		
6. NAME/ADDRESS OF RECIPIENT/COOPERATOR (street, city, state, and zip + 4, county): Jamie Sturges, Rosemont Copper Company 4500 Cherry Creek South Drive, Suite 1040 Denver, CO 80246 Bold			7. RECIPIENT/COOPERATOR'S HHS SUB ACCOUNT NUMBER (For HHS payment use only):		

8. PURPOSE OF MODIFICATION

CHECK ALL THAT APPLY:	This modification is issued pursuant to provision no. C. 7, D. 19, and D. 20. Bold
<input type="checkbox"/>	CHANGE IN PERFORMANCE PERIOD:
<input checked="" type="checkbox"/> Bold	CHANGE IN FUNDING: Add \$34,400 Bold
<input type="checkbox"/>	ADMINISTRATIVE CHANGES:
<input type="checkbox"/>	OTHER (Specify type of modification):

Except as provided herein, all terms and conditions of the Grant/Agreement referenced in 1, above, remain unchanged and in full force and effect.

9. ADDITIONAL SPACE FOR DESCRIPTION OF MODIFICATION (add additional pages as needed):
Add funding for additional personnel and support costs. - **Bold**
Delete CRs

10. ATTACHED DOCUMENTATION (Check all that apply):

<input type="checkbox"/>	Revised Scope of Work
<input checked="" type="checkbox"/> Bold	Revised Financial Plan
<input checked="" type="checkbox"/> Bold	Other: Supplemental Financial Plan Bold

11. SIGNATURES

AUTHORIZED REPRESENTATIVE: BY SIGNATURE BELOW, THE SIGNING PARTIES CERTIFY THAT THEY ARE THE OFFICIAL REPRESENTATIVES OF THEIR RESPECTIVE PARTIES AND AUTHORIZED TO ACT IN THEIR RESPECTIVE AREAS FOR MATTERS RELATED TO THE ABOVE-REFERENCED GRANT/AGREEMENT.

11.A. SIGNATURE (Signature of Signatory Official)	11.B. DATE SIGNED	11.C. U.S. FOREST SERVICE SIGNATURE (Signature of Signatory Official)	11.D. DATE SIGNED
11.E. NAME (type or print): JAMIE STURGES Bold	11.F. NAME (type or print): JEANINE A. DERBY Bold		
11.G. TITLE (type or print): Rosemont Copper Company Bold	11.H. TITLE (type or print): Forest Supervisor Bold		

12. G&A REVIEW

12.A. The authority and format of this modification have been reviewed and approved for signature by: NORENE NORRIS Bold U.S. Forest Service Grants & Agreements Specialist	12.B. DATE SIGNED Remove
--	------------------------------------

Main body of faint, illegible text, possibly a list or a series of entries.

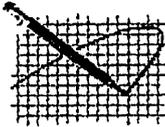
Second section of faint, illegible text, continuing the list or entries.

Third section of faint, illegible text, continuing the list or entries.

Final section of faint, illegible text at the bottom of the page.

Norene Norris

07/15/2009 > Job Code Notification for Agreement 07-CO-11030510-024



Diana L
Forsberg/WO/USDAFS
07/15/2009 08:10 AM

To David J Evans/R3/USDAFS@FSNOTES, Norene
Norris/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES

cc

bcc

Subject Job Code Notification for Agreement
07-CO-11030510-024

Hello:

Attached is the job code notification for the above agreement, reflecting the paid advance bill.
Thank you.

Diana L. Forsberg - RACA Branch
ASC - USFS - Financial Analyst
Phone: 1-877-372-7248
Fax: 1-866-342-0713



Job Code Sheet 07-CO-11030510-024 revised 4.xls

If you should have any questions regarding the attached job code notification, please do not reply to sender. Please open a customer service case by calling 1-877-372-7248 or opening an e-ticket at <http://fsweb.r3.fs.fed.us/asc/bfm/> . Thank you.

FASCIMILE



Budget and Finance
Coronado National Forest
300 West Congress
Tucson, AZ 85701
Fax: 520-388-8331

Date: 3/31/08

Recipient:

Name: Rufus Cole/Roberta Baskirk
Phone: _____
Fax: 505.842.3111

Sender:

Name: Aerene Norris
Phone: 520, 388, 8325

Number of pages (including cover sheet): 26

Message (optional):

Augusta Resource/Rosemont Copper agreements
#07-CO-11030510-024 & #08-MU-11030510-010

Daniel Montez/R3/USDAFS

07/22/2008 02:03 PM

To Reta Laford/R3/USDAFS@FSNOTES

cc Norene Norris/R3/USDAFS@FSNOTES

bcc

Subject Rosemont Modification

Reta - I am thinking you and Bev are working on the modification to the collection agreement with Augusta. I wanted to remind you that Norene will need the revised wording of the mod (if needed) and revised financial plan by 8/1. This will allow her to prepare the mod and financial plan for signature by both sides (bi-laterally executed) no later than 8/12 so that she may then enter it into I-Web and transmit to ASC RACA by their deadline of 8/14.

Daniel R. Montez
Budget Officer
Coronado National Forest
(520) 388-8323 Office
(520) 820-2545 Cell
(520) 388-8331 FAX
dmontez@fs.fed.us

GRANTS & AGREEMENTS ROUTING SLIP

AGREEMENT NUMBER: Mod. 05 08-MU-11030510-010 UNIT: Rosemont
COOPERATOR NAME: Rosemont Copper PM: Koth
PROJECT: Modifications to Rosemont MOU

For Review and Routing -

Dan-O
Budget Officer

Date & Initials: [Signature] 1/5/10

Comments: _____

Sylvia
Contracting Officer

Date & Initials: [Signature] 1/5/10

Comments: _____

Staff Officer

Date & Initials: _____

Comments: _____

Jeanine
Forest Supervisor

Date & Initials: [Signature] 1/6/10

Please sign 2 originals.

Please sign all 2 tabs.

Return to Norene. Thank you!



Comments/Reminders: ↓ Enter in I-Web → Scan & notify Mindee of location → Send Rosemont's copy to them

PLEASE DO NOT HOLD OVER 2 (TWO) DAYS!! THANK YOU.

Norene Norris

10/02/2008Re: Rosemont Copper Project pending MOI



Norene Norris/R3/USDAFS

09/25/2008 01:00 PM

To Reta Laford/R3/USDAFS@FSNOTES

cc Andrea W Campbell/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES, John
Able/R3/USDAFS@FSNOTES, Kendra L
Bourgart/WO/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES, Teresa Ann
Ciapusci/R3/USDAFS@FSNOTES, Sylvia
Nunez/R3/USDAFS@FSNOTES, Daniel
Montez/R3/USDAFS@FSNOTES

bcc

Subject Re: Rosemont Copper Project pending MOU modification



It's done. There are 2 copies of each version (clipped together) sitting on top of the microwave in the Budget office.

I didn't change the title in the "Jamie Sturgess" version - if it needs to be changed, please make a pen & ink change to the title block.

For the re-routing, please ask Dan & Andrea to re-approve. Sylvia's approval is very important, as she was not pleased with the MOU, and my understanding was that her role as stated in the MOU was not to her liking. I don't see language in the current version of the mod that addresses this issue. (Sorry to talk about you as if you weren't here, Sylvia.)

Norene Norris, Grants & Agreements, Coronado NF

Phone: 520.388.8325

Fax: 520.388.8331

E-Mail: nnorris@fs.fed.us

If you can remain calm,
you don't have all the facts.

Reta Laford/R3/USDAFS

Reta Laford/R3/USDAFS

09/25/2008 11:45 AM

To Norene Norris/R3/USDAFS@FSNOTES

cc Beverley A Everson/R3/USDAFS@FSNOTES, John
Able/R3/USDAFS@FSNOTES, Teresa Ann
Ciapusci/R3/USDAFS@FSNOTES, Andrea W
Campbell/R3/USDAFS@FSNOTES, Kendra L
Bourgart/WO/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES

Subject Rosemont Copper Project pending MOU modification



Norene - Please update the 7/31/08 Draft MOU modification as follows:

Section 1.a. -- Delete "and"

Section 1.b. -- Delete ", and change Forest Service subcontractor approval to the agency interdisciplinary teamleader."

Section 1.b. -- Add to the end of the subitem, "; and"

Section 1. -- Add a third subitem as follows, "c. Attachment 2 to the MOU with a revised timeline."

Section 3. -- Change "This modification is issued pursuant to Clause No. F.9 and Section III of Attachment 1." to "This modification is issued pursuant to Clause No. F.9, Section III of Attachment 1, and Attachment 2."

Section 3. -- Remove the following text, "Section III of Attachment 1 to the MOU is amended by replacing the last paragraph with the following: SUBCONTRACTORS: The Forest Service's Interdisciplinary Team Leader must review and approve potential subcontractors to the Consultant who will contribute to fulfillment of the tasks described herein, and any future additions to the approved list of subcontractors once established."

Section 3. -- Add new entry where above deleted entry was, "Attachment 2 to the MOU is replaced with the attached revised timeline."

Rosemont Copper Company Signature Block -- Please do two versions of the mod. One with Gil Clausen as the signatory and one with Jamie Sturgess as the signatory. This will give us more flexibility in who we can catch up with.

THANK YOU!

Reta Laford, Deputy Forest Supervisor

USDA Forest Service, Coronado National Forest
300 W Congress Street, Tucson, AZ 85701

Phone: 520-388-8307 (office), 505-452-7557 (cell)

Fax: 520-388-8305

Email: rlaford@fs.fed.us



Reta Laford/R3/USDAFS

09/25/2008 11:45 AM

To Norene Norris/R3/USDAFS@FSNOTES

cc Beverley A Everson/R3/USDAFS@FSNOTES, John Able/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, Andrea W Campbell/R3/USDAFS@FSNOTES, Kendra L Bourgart/WO/USDAFS@FSNOTES, Reta Laford/R3/USDAFS@FSNOTES

bcc

Subject Rosemont Copper Project pending MOU modification

Norene - Please update the 7/31/08 Draft MOU modification as follows:

- Section 1.a. -- Delete "and"
- Section 1.b. -- Delete ", and change Forest Service subcontractor approval to the agency interdisciplinary teamleader."
- Section 1.b. -- Add to the end of the subitem, "; and"
- Section 1. -- Add a third subitem as follows, "c. Attachment 2 to the MOU with a revised timeline."
- Section 3. -- Change "This modification is issued pursuant to Clause No. F.9 and Section III of Attachment 1." to "This modification is issued pursuant to Clause No. F.9, Section III of Attachment 1, and Attachment 2."
- Section 3. -- Remove the following text, "Section III of Attachment 1 to the MOU is amended by replacing the last paragraph with the following: SUBCONTRACTORS: The Forest Service's Interdisciplinary Team Leader must review and approve potential subcontractors to the Consultant who will contribute to fulfillment of the tasks described herein, and any future additions to the approved list of subcontractors once established." *modified*
- Section 3. -- Add new entry where above deleted entry was, "Attachment 2 to the MOU is replaced with the attached revised timeline."

Rosemont Copper Company Signature Block -- Please do two versions of the mod. One with Gil Clausen as the signatory and one with Jamie Sturgess as the signatory. This will give us more flexibility in who we can catch up with.

THANK YOU!

Reta Laford, Deputy Forest Supervisor

USDA Forest Service, Coronado National Forest
300 W Congress Street, Tucson, AZ 85701

Phone: 520-388-8307 (office), 505-452-7557 (cell)
Fax: 520-388-8305

Norene Norris

09/25/2008 Rosemont Copper Project pending MOU mc

Email: rlaford@fs.fed.us

MODIFICATION NO. 01
to
AGREEMENT NO. 08-MU-11030510-010
between

**USDA FOREST SERVICE,
CORONADO NATIONAL FOREST
and
ROSEMONT COPPER COMPANY**

1. Purpose of the Modification: The purpose of this modification is to facilitate the administration of the Memorandum of Understanding (MOU). Specifically, the Parties desire to modify:
 - a. Section F.9 of the MOU to clarify the process to provide records for information that may require protection from public release in accordance with any of the FOIA exemptions;
 - b. Section III of Attachment 1 to the MOU to remove the consultant staff qualifications requirement for NEPA experience by technical specialists, add geotechnical and geologic engineering technical positions to the list of consultant staff qualifications; and
 - c. Attachment 2 to the MOU with a revised timeline.
2. Change in Performance Period: None.
3. Change in Funds Available: Not applicable.

This modification is issued pursuant to Clause No. F.9, Section III of Attachment 1, and Attachment 2.

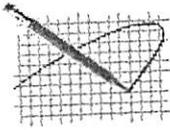
Section F.9 of the MOU is modified by deleting it in its entirety and replacing it with the following:

With regard to Freedom of Information Act (FOIA) requests related to the Project, the Forest Service will review all responsive records for information that may require protection from public release in accordance with any of the FOIA exemptions. All responsive records that are proposed to be withheld or redacted will be shared with the Company prior to release. The Company will have a minimum of 14 business days to review the information to be withheld or redacted and to advise the Forest Service of any concerns it may have about the pending release. Records will not be released to the requesting party until consensus is reached by the Forest Service and Company.

Section III of Attachment 1 to the MOU is modified by replacing the first paragraph with the following:

Norene Norris

09/17/2008 Re: GA Notification: 07CO11030510024



Diana L
Forsberg/WO/USDAFS
09/17/2008 02:51 PM

To Norene Norris/R3/USDAFS@FSNOTES
cc RLAFORD@FS.FED.US
bcc
Subject Re: GA Notification: 07CO11030510024

Norene:

It looks like the check for \$115,959.60 just posted yesterday (probably at the end of the date as I had checked them in the morning). However, the lady who gives budget authorities is gone for the day. So I will get the revised job code out to you sometime tomorrow.

But please remember that they prefer these days that whenever there are issues/questions that the field should open a customer service case by either using the E-ticket option on the ASC website or by calling the ASC Contact Center at 1-877-372-7248, Menu Option 1. They do not want anyone sending questions to the ASC using the option in I-Web.

Also just as a heads up, we are not mailing dunnings on advance bills

Thanks.

Diana L. Forsberg - RACA Branch
ASC - USFS - Financial Analyst
Phone: 1-877-372-7248
Fax: 1-866-342-0713

<I-Web@infraweb.fs.usda.gov>



<I-Web@infraweb.fs.usda.gov>

09/17/2008 09:22 AM

To DFORSBERG@FS.FED.US, RLAFORD@FS.FED.US
cc
Subject GA Notification: 07CO11030510024

Notes Email

Project Title: AUGUSTA ROSEMONT MINE PROJECT
Grant/Agreement 0703050017857494
Application ID:

Norene Norris

09/17/2008 Re: GA Noti. tion: 07CO11030510024

Grant/Agreement
Number: 07-CO-11030510-024
Note By: NNORRIS
Note Date: 09/17/2008
Note Type: COLLECTION
Comments: HAS A DUNNING NOTICE BEEN SENT TO THE
COOPERATOR? I BELIEVE IT'S PAST DUE.

This is an automated message, please do not reply to sender.
This email address is not monitored.

Norene Norris

07/24/2008 > Re: Rosemont FY 2008 AOP modification



Norene Norris/R3/USDAFS
07/24/2008 01:29 PM

To Beverley A Everson/R3/USDAFS@FSNOTES
cc Reta Laford/R3/USDAFS@FSNOTES, Daniel
Montez/R3/USDAFS@FSNOTES

bcc

Subject Re: Rosemont FY 2008 AOP modification

I have reworked the "form" for the AOPs. Actually, it's now a spreadsheet, which will total your expense items for you. I also put a total above the overhead line so that we can see the amount the overhead is based on. These changes should make it a lot easier for both of us.

I need for you to confirm that I have captured all the information correctly. I can't imagine the discrepancy between the \$240,000 stated in the modification and the \$262,390 entered on the AOPs will escape the notice of the cooperator. I will sent the mod to the cooperator after you've approved it, and both AOPs.

 
 2009_Rosemont_FY08_AOP_July2008.xls 2008_Rosemont_Mod01.doc
 2008_Rosemont_FY08_AOP_July2008.xls

Thanks!

Norene Norris, Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

Live your life in such a way that
when your feet hit the floor in the
morning, Satan shudders and says
"OH RATS... SHE'S AWAKE!"

Beverley A Everson/R3/USDAFS



Beverley A
Everson/R3/USDAFS
07/22/2008 06:36 PM

To Norene Norris/R3/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES

cc

Subject Rosemont FY 2008 AOP modification

Enclosed is my draft modified AOP for Rosemont for 2008. I am baffled as to how to adjust for

Norene Norris

07/24/2008 > Re: Rosemont, FY 2008 AOP modification

the 8% overhead, and am leaving that part for you to fill out and adjust the total for. You will also need to edit collection agreement number.



Rosemont AOP_July2008.doc

Here is the AOP for FY 2009, with the same blanks for percent overhead and the total.



Rosemont AOP_FY2009.doc

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

MODIFICATION NO. 01
to
COLLECTION AGREEMENT, NO. 07-CO-11030510-024
between

USDA FOREST SERVICE
and

ROSEMONT COPPER COMPANY, a.k.a.
AUGUSTA RESOURCE CORPORATION

1. Purpose of the Modification: The purpose of this modification is to document the program of work for FY 2008 and FY 2009; to add funding for FY 2008 and FY 2009; and to provide clarification on the subject of annual funding. Annual funding will consist of carryover of previous fiscal year funds plus new funding, to equal \$240,000, each year throughout the life of the agreement.
2. Change in Performance Period: The performance period of the agreement is unchanged.
3. Change in Funds Available: This modification provides for FY 2008 funding in the amount of \$83,081, and FY 2009 funding in the amount of \$294,181.

This modification is issued pursuant to Clauses No. D. 12 and No. D. 20.

Except as provided herein, all terms and conditions of the referenced document remain unchanged and in full force.

GIL CLAUSEN
President and CEO

Date

JEANINE A. DERBY
Forest Supervisor

Date

Forest Service Use
Job Code: CWFS2408

The authority and format of this instrument has been reviewed and approved for signature.

NORENE NORRIS
Grants & Agreements Specialist

DATE

Rosemont Cooper Project

FY 2009 Annual Operating Plan

October 1, 2008 - September 30, 2009

Collection Agreement #07-CO-11030510-024

Project Management	NEPA Analysis Oversight Minerals Technical Assistance Contract Administration Public Information Requests Congressional Requests FOIA Requests	\$107,070
Wildlife Resources	Resource Evaluation Coordination NEPA Analysis Oversight Revegetation Research Oversight	\$10,655
Heritage Resources and Tribal Relations	Resource Evaluation Coordination NEPA Analysis Oversight Tribal Relations & Consultation	\$17,420
Hydrologic Resources	Resource Evaluation Coordination NEPA Analysis Oversight Resource Permitting Oversight	\$13,770
Other Resources	Engineering Administrative Support Communications Team Lands and Access Landscape Architecture Administrative Record Management Range Air Soils Fire and Fuels	\$101,265
Miscellaneous Expenses	Vehicles and Equipment Contracts Training, Travel	\$22,210
TOTAL OF EXPENSES		\$272,390
National Overhead Rate of 8%		<u>\$21,791</u>
TOTAL		\$294,181

7/24/2008

Rosemont Cooper Project

FY 2008 Annual Operating Plan

October 1, 2007 - September 30, 2008

Collection Agreement #07-CO-11030510-024

Project Management		\$107,070
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	Vehicles and Equipment Contracts Training, Travel	
TOTAL OF EXPENSES		\$272,390
National Overhead Rate of 8%		<u>\$21,791</u>
TOTAL		\$294,181
FY 2007 CARRYOVER		\$211,100
BALANCE NEEDED FOR FY2008		\$83,081

7/24/2008

Norene Norris

07/29/2008 Re: Fw: Deadline for Incoming Money Agr



Beverley A
Everson/R3/USDAFS
06/03/2008 02:29 PM

To Norene Norris/R3/USDAFS@FSNOTES
cc
bcc
Subject Re: Fw: Deadline for Incoming Money Agreements 

I have no idea what you're talking about. I thought that the Rosemont 2008 collection agreement amendment was resolved long ago. I sent you everything you asked for weeks and weeks ago.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

Norene Norris/R3/USDAFS



Norene Norris/R3/USDAFS
06/02/2008 03:30 PM

To Beverley A Everson/R3/USDAFS@FSNOTES
cc
Subject Fw: Deadline for Incoming Money Agreements

Please see below. Are you no longer pursuing the collection of funds for FY08 from Augusta Resources (aka Rosemont Mining Co.)?

Norene Norris, Grants & Agreements Coordinator
Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

When you're up to your fanny in alligators,
it's difficult to remind yourself that
your initial objective was to drain the swamp.

----- Forwarded by Norene Norris/R3/USDAFS on 06/02/2008 03:28 PM -----



Norene Norris/R3/USDAFS
06/02/2008 12:32 PM

To
cc
Subject



Deadline for Incoming Money Agreements

The ASC (RACA) has set a deadline for us for having reimbursable & collection agreements entered into I-Web & transmitted to them. It has to do with their getting enough spending authority, late in the FY, so the FS doesn't go into a deficiency situation.

I have to have them completed (fully executed), entered, & transmitted to RACA by August 15. Remember, it takes two or three weeks to get an agreement fully executed, depending of course on where we have to send it for original signatures (don't suggest faxing) - soooooooooo, if you're planning on getting FY08 money from some other entity, do it now.

You might want to think about those ongoing agreements we have with other federal agencies, where they give us their money at the last minute - well, the minute is a lot farther away from the fiscal year end this year! I know we're all busy, but you might want to contact your cooperators a little early this year.

Norene Norris, Grants & Agreements Coordinator
Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

When you're up to your fanny in alligators,
it's difficult to remind yourself that
your initial objective was to drain the swamp.



Mailroom R3 Coronado

Sent by: Karina
Montez/R3/USDAFS

07/29/2008 08:36 AM

To Jeanine Derby/R3/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES, Teresa Ann
Ciapusci/R3/USDAFS@FSNOTES, John
cc pdl r3 coronado flt@FSNOTES, John
Bruin/R3/USDAFS@FSNOTES, Bob
Davis/R3/USDAFS@FSNOTES

bcc

Subject 1950-3; (2820-6); Interdisciplinary Team Project
Initiation Letter for Rosemont Copper Project EIS

Included please find both the electronic and hand signed copies.

The following Correspondence is archived in the Records database. Any enclosures will follow the letter in this message.



- FS_correspondence.doc



2008 07 25 PIL attachments.doc



SignedLetter.pdf

To open this document in the Records database, click on this link -> 

To access all documents in the National Records Database, click on this link -> 

**Thomas
Skinner/R3/USDAFS**
07/31/2008 12:12 PM

To Jeanine Derby/R3/USDAFS@FSNOTES
cc Beverley A Everson/R3/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES, Robert
Lefevre/R3/USDAFS@FSNOTES, Thomas
bcc
Subject 1950-3; (2820-6); Interdisciplinary Team Project
Initiation Letter for Rosemont Copper Project EIS

Jeanine, I spoke with Bev about the Extended Team composition noted in Attachment 1, stating that i believe the identification of myself in the Water Resources role was incorrect, with which she agreed. I then spoke with Bob Lefevre, who agreed that it was his name that should have been noted in that column (under "Forest Service").

During the staff meeting on Monday, when the Rosemont project was discussed with Reta and the rest of those present, I understood that my role is to provide advice and support, as appropriate, to Debbie Sebesta and Larry Jones, as they work in their roles as Core and Extended Team Members. So far, i have attended some of the field trips and meetings, and will continue to do so as i can, as other responsibilities permit, as I know this is a very important project.

Thank you, Jeanine. I hope this correction is in accordance with your understanding.

@@@@@@@@@@@

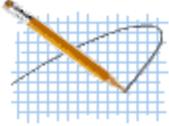
Tom Skinner
Wildlife, Fish and Rare Plants Staff Officer
Coronado National Forest
300 W. Congress
Tucson, Arizona 85701
520-388-8371
tskinner@fs.fed.us
fax520-388-8305

----- Forwarded by Thomas Skinner/R3/USDAFS on 07/31/2008 11:57 AM -----



Mailroom R3 Coronado
Sent by: Karina Montez
07/29/2008 08:36 AM

To Jeanine Derby/R3/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES, Teresa Ann
Ciapusci/R3/USDAFS@FSNOTES, John
Able/R3/USDAFS@FSNOTES, Andrea W
Campbell/R3/USDAFS@FSNOTES, Jennifer
Ruyle/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES, Walter
Keyes/R3/USDAFS@FSNOTES, Salek
Shafiqullah/R3/USDAFS@FSNOTES, Debby
Kriegel/R3/USDAFS@FSNOTES, Keith L
Graves/R3/USDAFS@FSNOTES, Deborah K
Sebesta/R3/USDAFS@FSNOTES, Tami
Emmett/R3/USDAFS@FSNOTES, George
McKay/R3/USDAFS@FSNOTES, Robert
Lefevre/R3/USDAFS@FSNOTES, Shane



Lyman/R3/USDAFS@FSNOTES, Eli
Curriel/R3/USDAFS@FSNOTES, Christopher C
LeBlanc/R3/USDAFS@FSNOTES, William B
Gillespie/R3/USDAFS@FSNOTES, Mary M
Farrell/R3/USDAFS@FSNOTES, Alan
Belaskas/R3/USDAFS@FSNOTES, Kendall
Brown/R3/USDAFS@FSNOTES, Thomas
Skinner/R3/USDAFS@FSNOTES, Larry
Jones/R3/USDAFS@FSNOTES, Kendra L
Bourgart/WO/USDAFS@FSNOTES, Janet
Jones/R3/USDAFS@FSNOTES, Roxane M
Raley/R3/USDAFS@FSNOTES, Heidi
Schewel/R3/USDAFS@FSNOTES, tfurgason@swca.com
cc pdl r3 coronado flt@FSNOTES, John
Bruin/R3/USDAFS@FSNOTES, Bob
Davis/R3/USDAFS@FSNOTES
Subject 1950-3; (2820-6); Interdisciplinary Team Project
Initiation Letter for Rosemont Copper Project EIS

Included please find both the electronic and hand signed copies.

The following Correspondence is archived in the Records database. Any enclosures will follow the letter in this message.

[attachment "FS_correspondence.doc" deleted by Thomas Skinner/R3/USDAFS]

[attachment "2008 07 25 PIL attachments.doc" deleted by Thomas Skinner/R3/USDAFS]

[attachment "SignedLetter.pdf" deleted by Thomas Skinner/R3/USDAFS]

To open this document in the Records database, click on this link -> 

To access all documents in the National Records Database, click on this link -> 

From: [Reta Laford](#)
To: [Kent C Ellett](#); [Alan Belauskas](#); [Beverley A Everson](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [Jennifer Ruyle](#); [Kendall Brown](#); [Mary M Farrell](#); [Robert Lefevre](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Teresa Ann Ciapusci](#); [Walter Keyes](#); [William B Gillespie](#); [Reta Laford](#)
Subject: Additional material you may need from EPG -Re: Rosemont EIS assignments due Friday 3/20 and Tues 3/24.
Date: 03/19/2009 01:09 PM
Attachments: [General siting criteria - Rosemont 2-10-09.pdf](#),
[Rosemont Draft Siting Criteria 2-10-09.doc](#)

Here is the additional information you may need . . .

From: Lauren Weinstein
Sent: Thursday, March 19, 2009 8:57 AM
To: Kent Ellett
Cc: Teresa Ann Ciapusci (tciapusci@fs.fed.us); Jaime Wood; Chelsa Johnson
Subject: Rosemont 138kV siting criteria information

Hi Kent and Teresa Ann,
Attached are the siting criteria table and general descriptions of sensitivity levels. Thank you for facilitating our receipt of any comments the Coronado National Forest Rosemont ID team may have on the sensitivity levels provided in the table. We look forward to hearing back from you by Friday, as you suggested. Even if there aren't any comments, please let us know that, too.
Thanks!
Lauren

Lauren Weinstein
Principal

EPG
Environmental Planning Group
Phoenix, Arizona
602-956-4370 phone
602-956-4374 fax
<http://www.epgaz.com>

This e-mail, including any attachments, is intended only for the use of the individual or entity to which it is addressed. It may contain information that is attorney work product, privileged, confidential, exempt or otherwise protected from disclosure or use under applicable law. If you have received this e-mail in error, please notify the sender immediately by return e-mail, and delete this e-mail from all affected databases. Thank you.



[General siting criteria - Rosemont 2-10-09.pdf](#) [Rosemont Draft Siting Criteria 2-10-09.doc](#)

Reta Laford, Deputy Forest Supervisor

USDA Forest Service, Coronado National Forest
300 W Congress Street, Tucson, AZ 85701

Phone: 520-388-8307 (office), 505-452-7557 (cell)
Fax: 520-388-8305
Email: rlaford@fs.fed.us

▼ [Kent C Ellett/R3/USDAFS](#)

**Kent C
Ellett/R3/USDAFS**

03/18/2009 05:47 PM

To Alan Belauskas/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES, William B
Gillespie/R3/USDAFS@FSNOTES, Robert
Lefevre/R3/USDAFS@FSNOTES, Debby
Kriegel/R3/USDAFS@FSNOTES, Deborah K
Sebesta/R3/USDAFS@FSNOTES, Eli
Curiel/R3/USDAFS@FSNOTES, Kendall
Brown/R3/USDAFS@FSNOTES, Sarah L
Davis/R3/USDAFS@FSNOTES, Salek
Shafiqullah/R3/USDAFS@FSNOTES, Walter
Keyes/R3/USDAFS@FSNOTES, Reta
Laforde/R3/USDAFS@FSNOTES, Teresa Ann
Ciapusci/R3/USDAFS@FSNOTES, Jennifer
Ruyle/R3/USDAFS@FSNOTES, Mary M
Farrell/R3/USDAFS@FSNOTES

cc

Subject Rosemont EIS assignments due Friday 3/20 and Tues 3/24.

If you received this e-mail you probably have an assignment due Friday the 20th &/or next Tuesday the 24th.

EPG - 138 kV Transmission Line: Due Friday

We met with consultants EPG and SWCA today to discuss the proposed 138 kilovolt transmission line and the Cause & Effect/Issue Statements.

I've been waiting for EPG's Siting Criteria Worksheet and definition for the ratings (i.e., low, moderately low, moderate, etc.) to be emailed to me. It hasn't come yet. I'll check on it tomorrow so you have it to do your assignment of reviewing the proposed ratings and if you think an issue should be rated differently, state the rating it should have with your rationale and email it to me (Kent) by noon Friday so I can consolidate and send to EPG Friday afternoon.

1. **Debby Kriegel** to cover VQO and add SMS (Scenery Management System) and ROS (Recreation Opportunity Spectrum). Debby will get with the **GIS Shop** to provide GIS layers or shape files to EPG.
2. **Teresa Ann** assigned to send EPG the ftp site location for a GIS map with land uses designations and other special classifications such as T&E species critical habitat designations. Teresa Ann will coordinate with **Jennifer Ruyle**.
3. **Teresa Ann** to also get with **Erin Boyle** to address Wilderness.
4. **Kent** will coordinate with the **Heritage Shop** RE Cultural Resources.
5. **Larry Jones** and **Debbie Sebesta** to review Biological Resources section and provide their comments.
6. **Walt Keyes** to cover roads, particularly a new electricity line would need new service roads.

SWCA - Cause & Effect/Issue Statements: Due Next Tuesday.

Assignments: Send your comments to Bev with a cc to Rita and Teresa Ann by Tuesday afternoon so Bev can forward to SWCA Wednesday morning. This will give SWCA a couple days to review in preparation for the meeting with Rosemont on the 30th.

Theme#	Description	Assigned To:
31	Noise	Alan Belauskas
52	Reclamation Plan	Bev with Walt making initial effort.
14	Archeology	Bill Gillespie with Mary Farrell over Tribal
1, 3	Air Pollution	Bob Le Fevre
57	Riparian Vegetation	Bob Le Fevre
65	Soils	Bob Le Fevre
101	Wilderness	Debbie Kriegel with Laura White
56	Recreation	Debby Kriegel
84	Visual Resources	Debby Kriegel
69	Special Status Species	Debbie Sebesta
79	Vegetation	Debbie Sebesta
83, 102, 103, 104, 105	Wildlife Habitat	Debbie Sebesta with Larry Jones
91	Acid Rock Drainage	Eli Curiel
27, 28	Livestock Grazing	Kendall Brown
80, 89 (Partial), 90, 93	Mine Area Groundwater	Salek with Walt making initial effort
92	Potential Pit Lake	Salek with Walt making initial effort
15, 61	Socioeconomics/Envirionmental Justice	Sarah Davis
25	Outdoor Lighting	Sarah Davis
74	Transportation	Walt Keyes
94	Storm Water Control	Walt Keyes

"Dismissed Themes" #95 & #68 may be combined pending Regional Office input.

I have several hard copies of the documents we reviewed today and will put them on Rita's table if you need one. Electronic documents are available on Webex. Please contact John Able or Melissa Reichard (SWCA) if you need assistance with Webex. Melissa's phone number is 520-325-2033 and email is mreichard@swca.com

Good meeting today. Thanks for your focus & participation. Rita, thanks for the bagels.

Kent C. Ellett
District Ranger, Nogales RD
303 Old Tucson Road, Nogales, AZ 85621
520-761-6002 (w), 520-975-0902 (cell)

From: [David Morrow](#)
To: [Tom Furgason](#); [Charles Coyle](#); [Robert Lefevre](#)
Subject: Air quality data request - AEC.doc
Date: 04/13/2009 04:52 PM
Attachments: [Air quality data request - AEC.doc](#)

From: [Melissa Reichard](#)
Sent By: [rosemonteis](#)
To: [kbrown03@fs.fed.us](#); [beverson@fs.fed.us](#); [kellett@fs.fed.us](#); [dkriegel@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [dsebesta@fs.fed.us](#); [wkeyes@fs.fed.us](#); [aelek@fs.fed.us](#); [temmett@fs.fed.us](#); [gmckay@fs.fed.us](#); [ljones02@fs.fed.us](#); [mfarrell@fs.fed.us](#); [abelauskas@fs.fed.us](#); [rlefevre@fs.fed.us](#); [tciapusci@fs.fed.us](#); [jable@fs.fed.us](#); [sldavis@fs.fed.us](#); [rlaford@fs.fed.us](#); [tfurgason@swca.com](#); [wgillespie@fs.fed.us](#); [teresa@ciapusci.com](#); [kgraves@fs.fed.us](#); [ecuriel@fs.fed.us](#)
Subject: Alternative 1 & 3 Visual Simualtions are on WebEx
Date: 07/09/2009 09:37 AM

Hello All-

As promised, I have posted the pictures that I was projecting in yesterdays meeting of two of the remaining alternatives being considered. I will post the "Barrel Only-Alt 6" once I get it back from our CAD guy. I hope this helps. Please let me know if you have any issues with the files.

Thanks!

Mel

<<https://rosemonteis.webexone.com/r.asp?a=5&id=149814>>

From: [Melissa Reichard](#)
Sent By: [rosemonteis](#)
To: [kbrown03@fs.fed.us](#); [beverson@fs.fed.us](#); [kellett@fs.fed.us](#); [dkriegel@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [dsebesta@fs.fed.us](#); [wkeyes@fs.fed.us](#); [aelek@fs.fed.us](#); [temmett@fs.fed.us](#); [gmckay@fs.fed.us](#); [ljones02@fs.fed.us](#); [mfarrell@fs.fed.us](#); [abelauskas@fs.fed.us](#); [rlefevre@fs.fed.us](#); [tciapusci@fs.fed.us](#); [jable@fs.fed.us](#); [sldavis@fs.fed.us](#); [rlaford@fs.fed.us](#); [tfurgason@swca.com](#); [wgillespie@fs.fed.us](#); [teresa@ciapusci.com](#); [klgraves@fs.fed.us](#); [ecuriel@fs.fed.us](#)
Subject: Alternative 6 Visual is on WebEx
Date: 07/09/2009 04:54 PM

The new alternative- #6 Barrel Only is now uploaded to WebEx. Please refer to these 2 and 3D views to assist you in your evaluation of this alternative's viability.

As always, let me know if you have any issues with the files (or anything else for that matter)!

Thanks!

Mel

<<https://rosemonteis.webexone.com/r.asp?a=5&id=149874>>

From: [Tom Furgason](#)
Sent By: [rosemonteis](#)
To: [Debby Kriegel](#); [George McKay](#); [Charles Coyle](#); [Art Elek](#); [Eli Curiel](#); [Kent Ellett](#); [Dale Ortman](#); [Reta Laford](#); [William Gillespie](#); [Alan Belauskas](#); [Mindee Roth](#); [Walt Keyes](#); [Beverley Everson](#); [Robert Lefevre](#); [Debbie Sebesta](#); [Mary Farrell](#)
Cc: mreichard@swca.com; [Tom Furgason](#)
Subject: Alternative Development
Date: 07/15/2009 01:01 PM

I have placed three tables on WebEx for your review: 1) alternatives currently under consideration, 2) alternatives dismissed from further consideration, and 3) potential consideration. <<https://rosemonteis.webexone.com/r.asp?a=12&id=24592>>

I have also loaded the .pdf graphics presented by Rosemont earlier today under the alternatives folder. Please let me know if you have any issues viewing these files.

Tom Furgason

From: [Larry Jones](#)
To: [Beverley A Everson](#); [Deborah K Sebesta](#)
Cc: [tfurgason@swca.com](#); [Richard A Gerhart](#); [gsoroka@swca.com](#); [Robert Lefevre](#); [Salek Shafiqullah](#)
Subject: Alternative Ranking Rationale
Date: 07/13/2009 08:25 AM
Attachments: [Brief Rationale for Ranking Rosemont Copper Mine Alternatives.doc](#)

Bev and Debbie (et al.)--

As requested at the last IDT meeting for the Rosemont Copper Project, I am attaching a document that includes the rationale for my ranking alternatives as I did during our last exercise. I think this was what you were after, yes?



Brief Rationale for Ranking Rosemont Copper Mine Alternatives.doc

Larry Jones
Wildlife, Fish, and Rare Plants
Coronado National Forest
300 W Congress
Tucson, AZ 85701

520-388-8375
ljones02@fs.fed.us

From: [Melissa Reichard](#)
Sent By: [rosemonteis](#)
To: [kbrown03@fs.fed.us](#); [beverson@fs.fed.us](#); [kellett@fs.fed.us](#); [dkriegel@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [dsebesta@fs.fed.us](#); [wkeyes@fs.fed.us](#); [aelek@fs.fed.us](#); [temmett@fs.fed.us](#); [gmckay@fs.fed.us](#); [ljones02@fs.fed.us](#); [mfarrell@fs.fed.us](#); [abelauskas@fs.fed.us](#); [rlefevre@fs.fed.us](#); [tciapusci@fs.fed.us](#); [jable@fs.fed.us](#); [sldavis@fs.fed.us](#); [rlaford@fs.fed.us](#); [tfurgason@swca.com](#); [wgillespie@fs.fed.us](#); [teresa@ciapusci.com](#); [klgraves@fs.fed.us](#); [ecuriel@fs.fed.us](#)
Subject: Alternatives Rating Table
Date: 07/09/2009 09:42 AM

This is the table that all of you were trying to rate in yesterday's meeting. Remember that if you want to post your information that Bev has requested, you must download the document, save as the doc name with your initials and then you can upload your new version. Let me know if you have any questions.

Thanks!

Mel

<<https://rosemonteis.webexone.com/r.asp?a=5&id=147697>>

From: [Beverley A Everson](#)
To: abelauskas@fs.fed.us; aelek@fs.fed.us; dkriegel@fs.fed.us; dsebesta@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; kellest@fs.fed.us; ljones02@fs.fed.us; [Mary M Farrell](#); [Melinda D Roth](mailto:Melinda_D_Roth); mreichard@swca.com; rlefevre@fs.fed.us; sldavis@fs.fed.us; sshafiqullah@fs.fed.us; temmett@fs.fed.us; tfurgason@swca.com; [Walter Keyes](#); wgillespie@fs.fed.us
Subject: Arizona Department of Water Resources comments
Date: 09/03/2009 06:07 PM

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

<<https://rosemonteis.webexone.com/r.asp?a=5&id=153358>>

From: [Beverley A Everson](#)
To: abelauskas@fs.fed.us; aelek@fs.fed.us; dkriegel@fs.fed.us; dsebesta@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; kellett@fs.fed.us; ljones02@fs.fed.us; [Mary M Farrell](#); [Melinda D Roth](mailto:Melinda_D_Roth); mreichard@swca.com; rlefevre@fs.fed.us; sldavis@fs.fed.us; sshafiqullah@fs.fed.us; temmett@fs.fed.us; tfurgason@swca.com; [Walter Keyes](#); wgillespie@fs.fed.us
Subject: Army Corps of Engineers comments on alternatives
Date: 09/03/2009 05:03 PM
For Follow Up: Normal Priority.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

<<https://rosemonteis.webexone.com/r.asp?a=5&id=153350>>

From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Cc: [Alan Belauskas](#); [Andrea W Campbell](#); [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [Janet Jones](#); [Jennifer Ruyle](#); [John Able](#); [Keith L Graves](#); [Kendall Brown](#); [Kendra L Bourgart](#); [Larry Jones](#); [Mary M Farrell](#); [Reta Laford](#); [Robert Lefevre](#); [Roxane M Raley](#); [Salek Shafiqullah](#); [Shane Lyman](#); [Tami Emmett](#); [Teresa Ann Ciapusci](#); tfurgason@swca.com; [Thomas Skinner](#); [Walter Keyes](#); [William B Gillespie](#)
Subject: August 14th Rosemont ID Team Kick-Off Meeting changed to SEPTEMBER 10
Date: 08/09/2008 03:08 PM

Hello Team! Please mark your calendars to show that the **Rosemont ID Team Kick-Off Meeting date has been moved to September 10**. Note that the meeting date has been moved to correspond with the standing second Wednesday of the month that I asked all team members to hold open for project business. The location will of the meeting will most likely still be NAFRI; I will get back to you to confirm.

The meeting agenda is still being refined, however, it will include an overview of the project and its history, and discussion of the resources important to analysis of the project. There will also be discussion of the Project Initiation Letter and team member roles, as well as the roles of SWCA and the proponent in the analysis process.

Confirmed meeting location and full agenda will follow shortly.

Bev Everson

Rosemont Copper Project ID Team Leader

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A
Everson/R3/USDAFS**

07/29/2008 05:39 PM

To Reta Laford/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, John Able/R3/USDAFS@FSNOTES, Andrea W Campbell/R3/USDAFS@FSNOTES, Jennifer Ruyle/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES, Walter Keyes/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Keith L Graves/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Robert Lefevre/R3/USDAFS@FSNOTES, Shane Lyman/R3/USDAFS@FSNOTES, Eli

Curiel/R3/USDAFS@FSNOTES, Christopher C
LeBlanc/R3/USDAFS@FSNOTES, William B
Gillespie/R3/USDAFS@FSNOTES, Mary M
Farrell/R3/USDAFS@FSNOTES, Alan
Belaskas/R3/USDAFS@FSNOTES, Kendall
Brown/R3/USDAFS@FSNOTES, Thomas
Skinner/R3/USDAFS@FSNOTES, Larry
Jones/R3/USDAFS@FSNOTES, Kendra L
Bourgart/WO/USDAFS@FSNOTES, Janet
Jones/R3/USDAFS@FSNOTES, Roxane M
Raley/R3/USDAFS@FSNOTES, Heidi
Schewel/R3/USDAFS@FSNOTES, tfurgason@swca.com

cc

Subject August 14th Rosemont ID Team Kick-off and Public
Scoping Contents Analysis, Standing Meeting Schedule

Congratulations! You are officially part of the Rosemont Copper Project Interdisciplinary Team! Many of you have already begun the team building process by providing input on the project over the past year or so, and most recently, by attending field trips to the Tyrone Mine and to the Rosemont project area. You have brought great interest and enthusiasm to the project, and I look forward to seeing the new ideas and energy that will be generated as the team works together as a whole.

We will be having an official kick-off to the project on August 14th. Attendance at this meeting is important as we'll discuss how the team will work on this unique project in cooperation with SWCA Environmental Consultants. *Please RSVP*

IDT KICK-OFF MEETING DETAILS:

Where: National Advanced Fire and Resource Institute (NAFRI), at 3265 East Universal Way, Tucson .

Agenda:

**9-12 IDT Kick-off and Public Scoping Content Analysis
Overview (Core Team and Extended Team)**

1-5 Content Analysis (Core Team)

Other information. . .

Over the following months, the team will be meeting for field trips, technical information exchange, and development of the Draft Environmental Impact Statement. To facilitate our team efforts, beginning August 30, 2008, the following standing meeting schedule will be used. If a meeting is not going to be held as planned, you will be notified a week in advance.

STANDING MEETING SCHEDULE

Wednesdays - Core Team members

Second Wednesday of the Month - Core and Extended Team members

I look forward to working with each of you on this project!

Bev Everson

Rosemont Copper Project ID Team Leader

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [Rion Bowers](#)
To: rlfevre@fs.fed.us
Subject: bio.pdf
Date: 07/07/2009 11:35 AM
Attachments: [bio.pdf](#)

From: [Kendra Bourgart](#)
Sent By: [rosemonteis](#)
To: [kscox@swca.com](#); [sldavis@fs.fed.us](#); [gmckay@fs.fed.us](#); [sgriset@swca.com](#); [tfurgason@swca.com](#); [rbowers@swca.com](#); [mjfitch@fs.fed.us](#); [jezzo@swca.com](#); [tciapusci@fs.fed.us](#); [awcampbell@fs.fed.us](#); [beverson@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [klbourgart@fs.fed.us](#); [teuler@swca.com](#); [wgillespie@fs.fed.us](#); [hschewel@fs.fed.us](#); [tskinner@fs.fed.us](#); [mfarrell@fs.fed.us](#); [khouser@swca.com](#); [wkeyes@fs.fed.us](#); [dkriegel@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [temmett@fs.fed.us](#); [gsoroka@swca.com](#); [ccleblanc@fs.fed.us](#); [ecuriel@fs.fed.us](#); [ljones02@fs.fed.us](#); [kpohs@swca.com](#); [hhall@swca.com](#); [mbidwell@swca.com](#); [rellis@swca.com](#); [jconnell@swca.com](#); [rmraley@fs.fed.us](#); [klgraves@fs.fed.us](#); [daleortmanpe@live.com](#); [devinquentana@fs.fed.us](#); [rlaford@fs.fed.us](#); [rlefevre@fs.fed.us](#); [abelauskas@fs.fed.us](#); [mreichard@swca.com](#); [kserrato@swca.com](#); [ccoyle@swca.com](#); [dsebesta@fs.fed.us](#); [cbellavia@swca.com](#)
Cc: [Bourgart Kendra](#)
Subject: Calendar Application for Web Ex site - Rosemont Copper Project EIS
Date: 10/24/2008 03:39 PM
Attachments: [webex_calendar_instructions_to_members.doc](#)

Greetings!

We are ready to use the calendar application in the Web Ex site for the Rosemont Copper Project EIS. I have attached instructions that will allow you to view the Project, Leave and Personal Calendars. Please call me if you need assistance.

As I prepare to send this e-mail, I see that some members may receive this e-mail twice. I will review the member list and eliminate duplicates as soon as my schedule allows.

Thank you, Kendra

Cell 559-920-6113

Prescott 928-443-8271

Tucson 520-388-8390

E-mail klbourgart@fs.fed.us

From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Cc: [Alan Belauskas](#); [Andrea W Campbell](#); [Arthur S Elek](#); ccoyle@swca.com; [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [Janet Jones](#); [John Able](#); [Keith L Graves](#); [Kendall Brown](#); [Kent C Ellett](#); [Larry Jones](#); [Mary M Farrell](#); mriechar@SWCA.com; [Reta Laford](#); [Robert Lefevre](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Tami Emmett](#); [Teresa Ann Ciapusci](#); tfurgason@swca.com; [Walter Keyes](#); [William B Gillespie](#)
Subject: cancellation of meeting tomorrow; please keep other dates open
Date: 04/14/2009 12:54 PM

Jeanine is asking Rosemont Copper Company to review all alternatives, alternative elements, and mitigation suggested to date (including those that the team put together last week, those developed through the brainstorming with the company a couple of weeks ago, and those suggested by the public during scoping) and then make determinations on the feasibility of the alternatives and mitigation, and then, explain how they would address the feasible ideas.

Because of this change in strategy, we do not need to meet tomorrow. I'm hoping that the company will be prepared to present their findings to the IDT on the 22nd, and if so, we will meet then for the presentations in the morning, and an internal review of the company's findings in the afternoon. This meeting is mandatory for the core team, and optional for the extended team. Please also hold the 29th open for a meeting to further discuss alternatives.

Thanks everyone, and sorry for the late notice on the cancelled meeting.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A
Everson/R3/USDAFS**

04/13/2009 12:39 PM

To: Alan Belauskas/R3/USDAFS@FSNOTES, Andrea W Campbell/R3/USDAFS@FSNOTES, Arthur S Elek/R3/USDAFS@FSNOTES, ccoyle@swca.com, Christopher C LeBlanc/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Eli Curiel/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Heidi Schewel/R3/USDAFS@FSNOTES, Janet Jones/R3/USDAFS@FSNOTES, John Able/R3/USDAFS@FSNOTES, Keith L Graves/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, Kent C Ellett/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES, Mary M Farrell/R3/USDAFS@FSNOTES, mriechar@SWCA.com, Reta Laford/R3/USDAFS@FSNOTES, Robert

Lefevre/R3/USDAFS@FSNOTES, Salek
Shafiqullah/R3/USDAFS@FSNOTES, Sarah L
Davis/R3/USDAFS@FSNOTES, Tami
Emmett/R3/USDAFS@FSNOTES, Teresa Ann
Ciapusci/R3/USDAFS@FSNOTES, tfurgason@swca.com,
Walter Keyes/R3/USDAFS@FSNOTES, William B
Gillespie/R3/USDAFS@FSNOTES

cc Beverley A Everson/R3/USDAFS@FSNOTES
Subject Fw: Give priority to Rosemont Schedule over fire
assignments

Hi Team,

Below is a message that Jeanine asked me to forward to all of you.

Thanks.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

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Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 04/13/2009 12:38 PM -----

**Jeanine
Derby/R3/USDAFS**

To Beverley A Everson/R3/USDAFS@FSNOTES
cc Reta Laford/R3/USDAFS@FSNOTES
04/10/2009 04:38 PM Subject Give priority to Rosemont Schedule over fire
assignments

Thanks to everyone for the top notch job of evaluating issues and compiling them into to a reasonable set for the analysis. Also thanks for your preliminary work in considering structure of alternatives. Now that fire season is starting, I just want to remind key Rosemont players that if called for a fire assignment please clear it with Bev and only take the assignment if it would not delay the schedule for the Rosemont Project. Again, thanks for all the competent work on this project.

Jeanine Derby, Forest Supervisor
Coronado National Forest
phone: 520 388-8306
FAX: 520 388-8305

From: [Beverley A Everson](mailto:Beverley.A.Everson)
To: [Beverley A Everson](mailto:Beverley.A.Everson)
Cc: abelauskas@fs.fed.us; aelek@fs.fed.us; dkriegel@fs.fed.us; dsebesta@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; kellett@fs.fed.us; klgraves@fs.fed.us; ljones02@fs.fed.us; mfarrell@fs.fed.us; [Melissa Reichard](mailto:Melissa.Reichard); rosemonteis; rlaford@fs.fed.us; rlfevre@fs.fed.us; slidavis@fs.fed.us; sshafiqullah@fs.fed.us; tciapusci@fs.fed.us; temmett@fs.fed.us; teresa@ciapusci.com; tfurgason@swca.com; wgillespie@fs.fed.us; wkeyes@fs.fed.us
Subject: Change in meeting location to SWCA, July 15 Rosemont IDT
Date: 07/14/2009 02:07 PM

We will be meeting tomorrow in the conference room at SWCA. See you there at 9:00.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [Melissa Reichard](#)
Sent By: [rosemonteis](#)
To: [kscox@swca.com](#); [sldavis@fs.fed.us](#); [gmckay@fs.fed.us](#); [sgriset@swca.com](#); [tfurgason@swca.com](#); [rbowers@swca.com](#); [jezzo@swca.com](#); [tciapusci@fs.fed.us](#); [awcampbell@fs.fed.us](#); [beverson@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [klbourgart@fs.fed.us](#); [teuler@swca.com](#); [wgillespie@fs.fed.us](#); [hschewel@fs.fed.us](#); [tskinner@fs.fed.us](#); [mfarrell@fs.fed.us](#); [khouser@swca.com](#); [wkeyes@fs.fed.us](#); [dkriegel@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [temmett@fs.fed.us](#); [gsoroka@swca.com](#); [ccleblanc@fs.fed.us](#); [ecuriel@fs.fed.us](#); [ljones02@fs.fed.us](#); [kpohs@swca.com](#); [hhall@swca.com](#); [mbidwell@swca.com](#); [rellis@swca.com](#); [jconnell@swca.com](#); [rmraley@fs.fed.us](#); [klgraves@fs.fed.us](#); [daleortmanpe@live.com](#); [devinquintana@fs.fed.us](#); [rlaford@fs.fed.us](#); [rlefevre@fs.fed.us](#); [abelauskas@fs.fed.us](#); [mreichard@swca.com](#); [kserrato@swca.com](#); [dsebesta@fs.fed.us](#); [cbellavia@swca.com](#)
Subject: Check your "Shortcuts"
Date: 09/23/2008 11:07 AM

Here's something on Rosemont Copper Project EIS that I'd like you to see. To go directly to the item, click the link below or paste it into your web browser. Please note that some email clients require that all the letters and numbers in the link appear on one line, or else it won't go to the right place.

<https://rosemonteis.webexone.com/r.asp?a=3&id=9974>

From: [Beverley A Everson](#)
To: [Robert Lefevre](#); [Salek Shafiqullah](#)
Subject: communication concerns with Rion Bowers and SWCA
Date: 07/09/2009 02:18 PM

Bob and Sal,

Can you please recap your concerns with communication with SWCA over the Bounds of Analysis? Also, Tom and Charles are available at 8:00 on Wednesday (Charles by conference call); does that time work for you two?

Bev

Beverley A. Everson
Forest Geologist
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Tucson, AZ. 85701

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Fax: 520-388-8305

From: Beverley A Everson
To: Beverley A Everson
Cc: abelauskas@fs.fed.us; aelek@fs.fed.us; dkriegel@fs.fed.us; dsebesta@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; kellett@fs.fed.us; klgraves@fs.fed.us; ljones02@fs.fed.us; mfarrell@fs.fed.us; Melissa Reichard; rosemonteis; rlaford@fs.fed.us; rlefevre@fs.fed.us; sldavis@fs.fed.us; sshafiqullah@fs.fed.us; tciapusci@fs.fed.us; temmett@fs.fed.us; teresa@ciapusci.com; tfurgason@swca.com; wgillespie@fs.fed.us; wkeyes@fs.fed.us
Subject: communication with cooperating agencies, per our discussion Wednesday
Date: 07/17/2009 06:18 PM

The IDT asked some very good questions in this week's IDT meeting about working with Cooperating Agency representatives, and in response, I offer the following guidance on your correspondence with them for informal, short, peer-to-peer conversations. Treat this correspondence as you have with other projects you've worked on. Your experience should guide you as to what documentation, if any, is necessary for the record. However, if you have questions or concerns, ask me - if I don't know the answer, we'll strategize how best to find out.

Cooperating Agency personnel may have the same questions from their end. Basically, cooperators are free to review and comment on anything posted to the web. When we specifically ask a cooperator for review and feedback of a particular document, we should work through the project chain of command and consider formalizing the request and cooperator feedback - more detail on this aspect of working with cooperators is forthcoming.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Cc: [Andrea W Campbell](#); [Arthur S Elek](#); [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [John Able](#); [Kendall Brown](#); [Kent C Ellett](#); [Larry Jones](#); [Marc Kaplan](#); [Mary M Farrell](#); [Robert Lefevre](#); [S@FSNOTES](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Tami Emmett](#); [Walter Keyes](#); [William B Gillespie](#)
Subject: Completing Bounds of Analysis review
Date: 06/26/2009 05:39 PM

Several of us have been sent Bounds of Analysis write-ups from our specialist counterparts at SWCA. These were sent out from SWCA a few weeks ago. At this point, I need everyone with a Bounds of Analysis to review to complete the review and to provide a written response with comments for SWCA. **Please provide this response to me no later than COB on July 8**, and cc to your counterpart at SWCA

If you have already responded to SWCA directly, good job! Please just provide a copy of your response to me.

If you need help in understanding what you're reviewing, please come and discuss it with me, or call me.

Thanks, everyone.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [Reta Laford](#)
To: [Beverley A Everson](#)
Cc: [Alan Belauskas](#); [Andrea W Campbell](#); [Arthur S Elek](#); [Beverley A Everson](#); ccoyle@swca.com; [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [Janet Jones](#); [John Able](#); [Keith L Graves](#); [Kendall Brown](#); [Kent C Ellett](#); [Larry Jones](#); [Mary M Farrell](#); mreichard@SWCA.com; [Robert Lefevre](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Tami Emmett](#); [Teresa Ann Ciapusci](#); tfurgason@swca.com; [Walter Keyes](#); [William B Gillespie](#); [Reta Laford](#)
Subject: Concern w/Agenda -Re: dry stack tailings technology presentation, May 12
Date: 05/06/2009 03:49 PM

Bev - The order of things seem a bit out of whack. Shouldn't the general intro be first, and then the more techie types can hang around for the deeper stuff? The order as proposed seems predisposed, intentional or unintentional, to exclude and/or prevent meaningful participation by cooperating agencies. I suggest reconsideration of the presentation order.

Reta Laford, Deputy Forest Supervisor

USDA Forest Service, Coronado National Forest
300 W Congress Street, Tucson, AZ 85701

Phone: 520-388-8307 (office), 505-452-7557 (cell)
Fax: 520-388-8305
Email: rlaford@fs.fed.us

▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A
Everson/R3/USDAFS**

05/06/2009 02:07 PM

To: Beverley A Everson/R3/USDAFS@FSNOTES
cc: Alan Belauskas/R3/USDAFS@FSNOTES, Andrea W Campbell/R3/USDAFS@FSNOTES, Arthur S Elek/R3/USDAFS@FSNOTES, ccoyle@swca.com, Christopher C LeBlanc/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Eli Curiel/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Heidi Schewel/R3/USDAFS@FSNOTES, Janet Jones/R3/USDAFS@FSNOTES, John Able/R3/USDAFS@FSNOTES, Keith L Graves/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, Kent C Ellett/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES, Mary M Farrell/R3/USDAFS@FSNOTES, mreichard@SWCA.com, Reta Laford/R3/USDAFS@FSNOTES, Robert Lefevre/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Sarah L Davis/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Kent C Ellett/R3/USDAFS@FSNOTES, Reta Laford/R3/USDAFS@FSNOTES

Subject: dry stack tailings technology presentation, May 12 

There will be a presentation by Rosemont consultants on dry stack tailings technology in 1K on the 12th. The presentation is being broken into two parts, to accommodate folks with technical background in this area, and those without that kind of expertise. The more technical presentation is from 9:00 to 12:00, and the other presentation at 1:00, for approximately one half hour.

Although this is not a scheduled IDT meeting, I strongly encourage attendance, to facilitate everyone's understanding of the proposed operation.

Hope to see you there.

Bev

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Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

From: [Kent C Ellett](#)
To: [John Able](#); [Alan Belauskas](#); [Kendall Brown](#); [Teresa Ann Ciapusci](#); [Eli Curiel](#); [Sara L Davis](#); [Andrea W Campbell](#); [Jeanine Derby](#); [Arthur S Elek](#); [Tami Emmett](#); [Beverley A Everson](#); [Mary M Farrell](#); [William B Gillespie](#); [Janet Jones](#); [Larry Jones](#); [Walter Keyes](#); [Debby Kriegel](#); [Reta Laford](#); [Christopher C LeBlanc](#); [Robert Lefevre](#); [George McKay](#); [Devin Quintana](#); [Roxane M Raley](#); [Heidi Schewel](#); [Pete Schwab](#); [Deborah K Sebesta](#); [Salek Shafiqullah](#); [cbellavia@swca.com](#); [mbidwell@swca.com](#); [rbowers@swca.com](#); [jconnell@swca.com](#); [ccoyle@swca.com](#); [gdunno@swca.com](#); [rellis@swca.com](#); [censle@swca.com](#); [tfurgason@swca.com](#); [lccgarrett77@msn.com](#); [jgrams@swca.com](#); [sgriset@swca.com](#); [hhall@swca.com](#); [jhesse@swca.com](#); [choag@srk.com](#); [kkertell@swca.com](#); [sknox@swca.com](#); [sleslie@swca.com](#); [jmacivor@swca.com](#); [rebecca.a.miller@mwhglobal.com](#); [lmitchell@swca.com](#); [dmorey@swca.com](#); [hgachiri@swca.com](#); [daleortmanpe@live.com](#); [kpohs@swca.com](#); [mreichard@swca.com](#); [kserrato@swca.com](#); [gsoroka@swca.com](#)
Subject: Correction to the call-in meeting on the 13th:
Date: 03/04/2009 07:36 AM

Oooops.....my bad. The Rosemont call-in meeting on the 13th will be for the USFS (Myself, Teresa Anne and Reta) and SWCA (Tom, Charles, Dale & Melissa). I apologize for filling up your in-box unnecessarily.

Thanks,

Kent C. Ellett
District Ranger, Nogales RD
303 Old Tucson Road, Nogales, AZ 85621
520-761-6002 (w), 520-975-0902 (cell)

From: [Beverley A Everson](#)
To: [Andrea W Campbell](#); [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [Janet Jones](#); [Jennifer Ruyle](#); [John Able](#); [Keith L Graves](#); [Kendall Brown](#); [Kendra L Bourgart](#); [Larry Jones](#); [Mark E Schwab](#); [Mary M Farrell](#); [Michael A Linden](#); [Robert Lefevre](#); [Roger D Congdon](#); [Roxane M Raley](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Shane Lyman](#); [Tami Emmett](#); [Teresa Ann Ciapusci](#); [Thomas Skinner](#); [Walter Keyes](#); [Alan Belauskas](#); [William B Gillespie](#); [Reta Laford](#); tfurgason@swca.com; mriechar@SWCA.com
Subject: December 10 Rosemont Copper Project Core and Extended Team Meeting
Date: 11/20/2008 04:29 PM

Hi Team,

You were asked to set December 10 aside (along with each second Wednesday of the month for the next several months) for core and extended team project meetings. This email is to confirm that we will be meeting on December 10, at NAFRI, from 8:30 to 4:30. The topic of the meeting is Issue Statement development for the Rosemont Copper Project EIS.

I'm attaching some prework for the meeting, which is at the following link: http://fsweb.wo.fs.fed.us/em/nepa/nepa_coordination_training/00index.html. The information is also available on Webex, and I can provide FS employees with a CD of the training which they can copy, if needed. (SWCA employees, please see Melissa for a copy of the training document or access it on Webex).

Once you link to the site, which has training on Forest Plan 1900-1 Implementation, please read through Chapters 7 and 9 and be prepared to discuss these chapters when we meet on the 10th. Be thinking especially in terms of issue statement development for the Rosemont Copper Project, and in particular, issue statement development within your own area of expertise. Be prepared to discuss what you've read.

In addition, please give some thought to, and be prepared to discuss, the information you received in the November 12 "technology transfer" meeting we just attended. We received a great deal of information in the meeting, and I thank all of the attendees for hanging in there through some often hard to understand technical discussion. Now it is your turn to talk about how that information that was shared in the meeting is influencing your thoughts about the analysis process. How will what you learned on November 12 shape (or how has it shaped) how you think about the project and how you believe the EIS should move forward?

Please be prepared to give your fellow December 10 meeting attendees your perspective on these issues. I know there has been a lot of work done on the project "behind the scenes", outside of meetings, and I may specifically ask some of you (beforehand) to share with others some of the great work you've been doing.

Thanks, and I look forward to seeing you all on December 10. An agenda for the meeting will be forthcoming.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

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Fax: 520-388-8305

From: [Beverley A Everson](#)
To: [Andrea W Campbell](#); [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [Janet Jones](#); [Jennifer Ruyle](#); [John Able](#); [Keith L Graves](#); [Kendall Brown](#); [Kendra L Bourgart](#); [Larry Jones](#); [Mark E Schwab](#); [Mary M Farrell](#); [Michael A Linden](#); [Robert Lefevre](#); [Roger D Congdon](#); [Roxane M Raley](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Shane Lyman](#); [Tami Emmett](#); [Teresa Ann Ciapusci](#); [Thomas Skinner](#); [Walter Keyes](#); [Alan Belauskas](#); [William B Gillespie](#); [Reta Laford](#); tfurgason@swca.com; mriechar@SWCA.com
Subject: December 10 Rosemont Copper Project IDT meeting agenda
Date: 12/04/2008 10:09 AM
Attachments: [meeting_agenda_Dec. 10,2008.doc](#)

There will be coffee available prior to the meeting during sign-up between 8:00 and 8:30. It should be a good day!



meeting_agenda_Dec. 10,2008.doc

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [Melissa Reichard](#)
Sent By: [rosemonteis](#)
To: [tskinner@fs.fed.us](#); [sldavis@fs.fed.us](#); [gmckay@fs.fed.us](#); [sgriset@swca.com](#); [tfurgason@swca.com](#); [rbowers@swca.com](#); [mjfitch@fs.fed.us](#); [jezzo@swca.com](#); [tciapusci@fs.fed.us](#); [awcampbell@fs.fed.us](#); [beverson@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [teuler@swca.com](#); [wgillespie@fs.fed.us](#); [hschewel@fs.fed.us](#); [ccoyle@swca.com](#); [jderby@fs.fed.us](#); [mfarrell@fs.fed.us](#); [khouser@swca.com](#); [wkeyes@fs.fed.us](#); [dkriegel@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [temmett@fs.fed.us](#); [gsoroka@swca.com](#); [ccleblanc@fs.fed.us](#); [ecuriel@fs.fed.us](#); [ljones02@fs.fed.us](#); [kpohs@swca.com](#); [hhall@swca.com](#); [mbidwell@swca.com](#); [rellis@swca.com](#); [dmorrow@swca.com](#); [jconnell@swca.com](#); [rmraley@fs.fed.us](#); [dkeane@swca.com](#); [klgraves@fs.fed.us](#); [daleortmanpe@live.com](#); [devinquintana@fs.fed.us](#); [rlaford@fs.fed.us](#); [rlefevre@fs.fed.us](#); [abelauskas@fs.fed.us](#); [mreichard@swca.com](#); [kserrato@swca.com](#); [dsebesta@fs.fed.us](#); [cbellavia@swca.com](#)
Subject: Draft Issue Statements are now available!
Date: 01/12/2009 01:42 PM

Here's something on Rosemont Copper Project EIS that I'd like you to see. To go directly to the item, click the link below or paste it into your web browser. Please note that some email clients require that all the letters and numbers in the link appear on one line, or else it won't go to the right place.

<https://rosemonteis.webexone.com/r.asp?a=3&id=10103>

From: [Beverley A Everson](#)
To: [S@FSNOTES](#); [Arthur S Elek](#); [ccoyle@swca.com](#); [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [Janet Jones](#); [John Able](#); [Keith L Graves](#); [Kendall Brown](#); [Kent C Ellett](#); [Larry Jones](#); [Mary M Farrell](#); [mreichard@SWCA.com](#); [Reta Laford](#); [Robert Lefevre](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Tami Emmett](#); [Teresa Ann Ciapusci](#); [tfurgason@swca.com](#); [Walter Keyes](#); [William B Gillespie](#); [Beverley A Everson](#)
Subject: dry stack tailings presentation, May 12
Date: 05/08/2009 01:25 PM
Attachments: [Forest Service AGENDA 05.12.2009.pdf](#)

Please see the enclosed agenda for the meeting next Tuesday in 1K.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305



Forest Service AGENDA 05.12.2009.pdf

From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Cc: [Alan Belauskas](#); [Andrea W Campbell](#); [Arthur S Elek](#); ccoyle@swca.com; [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [Janet Jones](#); [John Able](#); [Keith L Graves](#); [Kendall Brown](#); [Kent C Ellett](#); [Larry Jones](#); [Mary M Farrell](#); mreichard@SWCA.com; [Reta Laford](#); [Robert Lefevre](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Tami Emmett](#); [Teresa Ann Ciapusci](#); tfurgason@swca.com; [Walter Keyes](#); [William B Gillespie](#); [Kent C Ellett](#); [Reta Laford](#)
Subject: dry stack tailings technology presentation, May 12
Date: 05/06/2009 02:07 PM

There will be a presentation by Rosemont consultants on dry stack tailings technology in 1K on the 12th. The presentation is being broken into two parts, to accomodate folks with technical background in this area, and those without that kind of expertise. The more technical presentation is from 9:00 to 12:00, and the other presentation at 1:00, for approximately one half hour.

Although this is not a scheduled IDT meeting, I strongly encourage attendance, to facilitate everyone's understanding of the proposed operation.

Hope to see you there.

Bev

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Forest Geologist
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Voice: 520-388-8428
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From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Cc: [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [gmckay@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [kellett@fs.fed.us](#); [klgraves@fs.fed.us](#); [ljones02@fs.fed.us](#); [mfarrell@fs.fed.us](#); [Melissa Reichard](#); [rlaford@fs.fed.us](#); [rlefevre@fs.fed.us](#); [sldavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [tciapusci@fs.fed.us](#); [temmett@fs.fed.us](#); [tfurgason@swca.com](#); [wgillespie@fs.fed.us](#); [wkeyes@fs.fed.us](#)
Subject: EIS Chapter 3 outline for your review - attached this time
Date: 07/30/2009 12:07 PM
Attachments: [DRAFT CHAPTER 3 AFFECTED ENVIRONMENT OUTLINE rev 5-19-09.doc](#)

Beverley A. Everson
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Fax: 520-388-8305

Beverley A Everson/R3/USDAFS

07/30/2009 09:56 AM

To Beverley A Everson/R3/USDAFS@FSNOTES

cc abelauskas@fs.fed.us, aelek@fs.fed.us, dkriegel@fs.fed.us, dsebesta@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, jable@fs.fed.us, kbrown03@fs.fed.us, kellett@fs.fed.us, klgraves@fs.fed.us, ljones02@fs.fed.us, mfarrell@fs.fed.us, Melissa Reichard <mreichard@swca.com>, rlaford@fs.fed.us, rlefevre@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, tciapusci@fs.fed.us, temmett@fs.fed.us, tfurgason@swca.com, wgillespie@fs.fed.us, wkeyes@fs.fed.us

Subject EIS Chapter 3 outline for your review [Link](#)

Enclosed is a draft outline from SWCA of Chapter 3 of the EIS (Affected Environment). Please review the outline and let me know what additions or changes you feel are needed. I would appreciate your response by August 5.

Thank you.

Bev

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From: [Beverley A Everson](mailto:Beverley.A.Everson)
To: [Beverley A Everson](mailto:Beverley.A.Everson)
Cc: abelauskas@fs.fed.us; aelek@fs.fed.us; dkriegel@fs.fed.us; dsebesta@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; kellett@fs.fed.us; klgraves@fs.fed.us; ljones02@fs.fed.us; mfarrell@fs.fed.us; [Melissa Reichard](mailto:Melissa.Reichard); rlaford@fs.fed.us; rlefevre@fs.fed.us; slDavis@fs.fed.us; sshafiqullah@fs.fed.us; tciapusci@fs.fed.us; temmett@fs.fed.us; tfurgason@swca.com; wgillespie@fs.fed.us; wkeyes@fs.fed.us
Subject: EIS Chapter 3 outline for your review
Date: 07/30/2009 09:56 AM

Enclosed is a draft outline from SWCA of Chapter 3 of the EIS (Affected Environment). Please review the outline and let me know what additions or changes you feel are needed. I would appreciate your response by August 5.

Thank you.

Bev

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From: [Beverley A Everson](#)
To: abelauskas@fs.fed.us; aelek@fs.fed.us; dkriegel@fs.fed.us; dsebesta@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; kellett@fs.fed.us; ljones02@fs.fed.us; [Mary M Farrell](#); [Melinda D Roth](mailto:Melinda_D_Roth); mreichard@swca.com; rlefevre@fs.fed.us; sldavis@fs.fed.us; sshafiqullah@fs.fed.us; temmett@fs.fed.us; tfurgason@swca.com; [Walter Keyes](#); wgillespie@fs.fed.us
Subject: Federal - Air Force comments on alternatives
Date: 09/03/2009 04:55 PM
For Follow Up: Normal Priority.

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<<https://rosemonteis.webexone.com/r.asp?a=5&id=153229>>

From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Cc: [Andrea W Campbell](#); [Arthur S Elek](#); ccoyle@swca.com; [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [John Able](#); [Kendall Brown](#); [Kent C Ellett](#); [Larry Jones](#); [Marc Kaplan](#); [Mary M Farrell](#); mreichard@SWCA.com; [Reta Laford](#); [Robert Lefevre](#); [S@FSNOTES](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Tami Emmett](#); tfurgason@swca.com; [Walter Keyes](#); [William B Gillespie](#)
Subject: field meeting next week, July 1
Date: 06/26/2009 03:11 PM

We will be doing a field trip for the IDT meeting next week, to Sycamore and Schofield Canyons. The trip is important to the whole (extended) team, because we have developed alternatives that put waste and tailings material into the two canyons. I would encourage extended team members to attend if possible, even though this is not an extended team meeting date.

Please RSVP by COB Monday, so that enough vehicles can be arranged for the trip. We'll plan on meeting at 7:00 here in Tucson, though Nogales folks can meet the rest of the group somewhere along the line. More details to come as logistics get worked out.

Thank you -

Bev

Beverley A. Everson
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Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

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Fax: 520-388-8305

From: [Melissa Reichard](#)
Sent By: [rosemonteis](#)
To: [rgerhart@fs.fed.us](#); [sldavis@fs.fed.us](#); [awcampbell@fs.fed.us](#); [sgriset@swca.com](#); [tfurgason@swca.com](#); [rbowers@swca.com](#); [gmckay@fs.fed.us](#); [mjfitch@fs.fed.us](#); [tciapuci@fs.fed.us](#); [mrobertson@swca.com](#); [beverson@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [wgillespie@fs.fed.us](#); [jhesse@swca.com](#); [klgraves@fs.fed.us](#); [aelek@fs.fed.us](#); [treeder@swca.com](#); [jhider@swca.com](#); [hschewel@fs.fed.us](#); [ccoyle@swca.com](#); [jderby@fs.fed.us](#); [mfarrell@fs.fed.us](#); [khouser@swca.com](#); [wkeyes@fs.fed.us](#); [mthrash@swca.com](#); [sshafiqullah@fs.fed.us](#); [temmett@fs.fed.us](#); [gsoroka@swca.com](#); [tklarson@swca.com](#); [ecuriel@fs.fed.us](#); [ljones02@fs.fed.us](#); [devinquintana@fs.fed.us](#); [rmraley@fs.fed.us](#); [mbidwell@swca.com](#); [rellis@swca.com](#); [jconnell@swca.com](#); [ccleblanc@fs.fed.us](#); [dkeane@swca.com](#); [mroth@fs.fed.us](#); [daleortmanpe@live.com](#); [kellett@fs.fed.us](#); [lcaret77@msn.com](#); [bschneid@email.arizona.edu](#); [rlaford@fs.fed.us](#); [rlefevre@fs.fed.us](#); [abelauskas@fs.fed.us](#); [kkertell@swca.com](#); [dkriegel@fs.fed.us](#); [mreichard@swca.com](#); [bgaddis@swca.com](#); [kserrato@swca.com](#); [dsebesta@fs.fed.us](#); [cbellavia@swca.com](#)
Cc: [Melissa Reichard](#)
Subject: Final Scoping Report 1 & 2
Date: 08/06/2009 04:25 PM

Hello Everyone!

I'm very excited to announce that scoping reports 1 and 2 are done! They have been through many iterations and have come out pretty fantastic! I have posted them both here on WebEx. Take a look! Scoping Report is still under consideration and will be posted soon.

Thank you!

Mel

This link leads to SR2:

<<https://rosemonteis.webexone.com/r.asp?a=5&id=151542>>



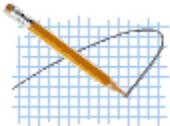
**Randall A
Smith/R3/USDAFS**
07/31/2008 02:09 PM

To Craig P Wilcox/R3/USDAFS@FSNOTES, Robert
Lefevre/R3/USDAFS@FSNOTES, Salek
Shafiqullah/R3/USDAFS@FSNOTES, Paula
cc
bcc
Subject Fw: 1950-3; (2820-6); Interdisciplinary Team Project
Initiation Letter for Rosemont Copper Project EIS

FYI

++++
RANDALL A. SMITH
Forest Restoration Program Leader (Staff Officer)
Coronado National Forest, R-3, Tucson, Arizona
520-388-8370, Fax 520-388-8305, Cell 520-405-0851
e-mail: randallsmith@fs.fed.us
++++

----- Forwarded by Randall A Smith/R3/USDAFS on 07/31/2008 02:08 PM -----



Mailroom R3 Coronado
Sent by: Karina Montez
07/29/2008 08:36 AM

To Jeanine Derby/R3/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES, Teresa Ann
Ciapusci/R3/USDAFS@FSNOTES, John
Able/R3/USDAFS@FSNOTES, Andrea W
Campbell/R3/USDAFS@FSNOTES, Jennifer
Ruyle/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES, Walter
Keyes/R3/USDAFS@FSNOTES, Salek
Shafiqullah/R3/USDAFS@FSNOTES, Debby
Kriegel/R3/USDAFS@FSNOTES, Keith L
Graves/R3/USDAFS@FSNOTES, Deborah K
Sebesta/R3/USDAFS@FSNOTES, Tami
Emmett/R3/USDAFS@FSNOTES, George
McKay/R3/USDAFS@FSNOTES, Robert
Lefevre/R3/USDAFS@FSNOTES, Shane
Lyman/R3/USDAFS@FSNOTES, Eli
Curiel/R3/USDAFS@FSNOTES, Christopher C
LeBlanc/R3/USDAFS@FSNOTES, William B
Gillespie/R3/USDAFS@FSNOTES, Mary M
Farrell/R3/USDAFS@FSNOTES, Alan
Belauskas/R3/USDAFS@FSNOTES, Kendall
Brown/R3/USDAFS@FSNOTES, Thomas
Skinner/R3/USDAFS@FSNOTES, Larry
Jones/R3/USDAFS@FSNOTES, Kendra L
Bourgart/WO/USDAFS@FSNOTES, Janet
Jones/R3/USDAFS@FSNOTES, Roxane M
Raley/R3/USDAFS@FSNOTES, Heidi
Schewel/R3/USDAFS@FSNOTES, tfurgason@swca.com



cc pdl r3 coronado flt@FSNOTES, John
Bruin/R3/USDAFS@FSNOTES, Bob
Davis/R3/USDAFS@FSNOTES
Subject 1950-3; (2820-6); Interdisciplinary Team Project
Initiation Letter for Rosemont Copper Project EIS

Included please find both the electronic and hand signed copies.

The following Correspondence is archived in the Records database. Any enclosures will follow the letter in this message.



- FS_correspondence.doc



2008 07 25 PIL attachments.doc



SignedLetter.pdf

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**Beverley A
Everson/R3/USDAFS**

09/04/2008 01:31 PM

To Robert Lefevre/R3/USDAFS@FSNOTES
cc
bcc
Subject Fw: 2580; (2580); Appointment of Deputy Under
Secretary as Federal Land Manager for Air Quality
Related Values (rostaffs)

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
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----- Forwarded by Beverley A Everson/R3/USDAFS on 09/04/2008 01:29 PM -----

**Teresa Ann
Ciapusci/R3/USDAFS**
09/03/2008 10:10 AM

To Beverley A Everson/R3/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES
cc tfurgason@swca.com
Subject Fw: 2580; (2580); Appointment of Deputy Under
Secretary as Federal Land Manager for Air Quality
Related Values (rostaffs)

Bev - You need to read this.

This change in authorities could affect the Rosemont proposal. There are Wilderness airsheds (not sure if they are Class I) within the Santa Rita EMA. You will need to stay on top of this with Bob Lefevre as the Rosemont analysis progresses.

Tom - you may not be able to open the attachments. If they are a problem on your system, let me know and I'll print them for you.

Teresa Ann Ciapusci
Staff Officer
Ecosystem Management and Planning
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300 West Congress, FB42
Tucson, Arizona 85701
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(520) 237-0879 cellular
(520) 388-8305 fax

----- Forwarded by Teresa Ann Ciapusci/R3/USDAFS on 09/03/2008 10:07 AM -----



**Randall A
Smith/R3/USDAFS**
09/03/2008 09:09 AM

To pdl r3 coronado flt@FSNOTES
cc
Subject Fw: 2580; (2580); Appointment of Deputy Under Secretary as Federal Land Manager for Air Quality Related Values (rostaffs)

++++
RANDALL A. SMITH
Forest Restoration Program Leader (Staff Officer)
Coronado National Forest, R-3, Tucson, Arizona
520-388-8370, Fax 520-388-8305, Cell 520-405-0851
e-mail: randallsmith@fs.fed.us
++++

----- Forwarded by Randall A Smith/R3/USDAFS on 09/03/2008 09:09 AM -----

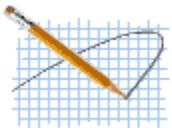
Mailroom R3 Coronado
Sent by: Karina Montez

09/03/2008 09:05 AM

To Robert Lefevre/R3/USDAFS@FSNOTES, Randall A Smith/R3/USDAFS@FSNOTES
cc
Subject Re: 2580; (2580); Appointment of Deputy Under Secretary as Federal Land Manager for Air Quality Related Values (rostaffs)

FYI

Mailroom R3



Mailroom R3
Sent by: Karen Couzin

09/02/2008 02:17 PM

To: pdl r3 mailrooms
cc: Mark J Fitch/R3/USDAFS@FSNOTES, Jeanne Hoadley/R3/USDAFS@FSNOTES, Wayne A Robbie/R3/USDAFS@FSNOTES, Jack Triepke/R3/USDAFS@FSNOTES, Wayne A Robbie/R3/USDAFS@FSNOTES
Subject: 2580; (2580); Appointment of Deputy Under Secretary as Federal Land Manager for Air Quality Related Values (rostaffs)

The following Correspondence is archived in the Records database. Any enclosures will follow the letter in this message.



- FS_correspondence.doc



Chief's Letter 08_18_2008.doc Deputy Under Secretary as FLM Directive.June 23 pdf.pdf

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To access all documents in the National Records Database, click on this link -> 

From: [Beverley A Everson](mailto:Beverley.A.Everson)
To: abelauskas@fs.fed.us; aelek@fs.fed.us; dkriegel@fs.fed.us; dsebesta@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; kellest@fs.fed.us; ljones02@fs.fed.us; [Mary M Farrell](mailto:Mary.M.Farrell); rlefevre@fs.fed.us; sldavis@fs.fed.us; sshafiqullah@fs.fed.us; temmett@fs.fed.us; wgillespie@fs.fed.us; wkeyes@fs.fed.us
Cc: [Beverley A Everson](mailto:Beverley.A.Everson); ccoyle@swca.com; mreichard@swca.com; tfurgason@swca.com
Subject: Fw: Aug 20 Coop Agency Mtg
Date: 08/13/2009 03:01 PM

Please read Mindee's message below, concerning the team's participation in the next Cooperating Agency meeting. What do you think of this idea, and if you're in favor of it, would you be willing to participate? FYI, discussions among the biologists would be encouraged, as would all other discussions about the project, however, that would not be the emphasis of the meeting (a biology meeting on August 20th had been discussed previously, and that's why Mindee brings it up; it had not gone to the planning stage yet, and that's why you're hearing about it for the first time, and have not previously been asked if you could participate).

I look forward to getting your input.

Bev

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----- Forwarded by Beverley A Everson/R3/USDAFS on 08/13/2009 02:21 PM -----

Melinda D Roth/R3/USDAFS

To Beverley A Everson/R3/USDAFS@FSNOTES

cc Teresa Ann Ciapusci/R3/USDAFS@FSNOTES

08/13/2009 02:02 PM

Subject Aug 20 Coop Agency Mtg

In an effort to address the IDT concerns raised yesterday regarding interfacing with the Cooperating Agencies, TA and I had an idea. Teresa Ann plans to allow time at this month's Coop Agency meeting to ask additional questions about the alternatives, since comments are requested by Aug 28th. The thought is to set up displays after lunch, one for each of the 4 action alternatives, staff each station with one or 2 IDT members, and allow Coops to mill around, similar to an open house, and ask questions of the IDT about the alternatives. (The discussion on biology would be put off since Alternatives is a more timely point of discussion right now) Of course, this would require getting materials together and also getting that info to the webmaster and project record keeper. What do you think?

Mindee Roth
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Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)

(520) 388-8305 (FAX)

From: [Beverley A Everson](#)
To: [Alan Belauskas](#); [Andrea W Campbell](#); [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [Janet Jones](#); [Jennifer Ruyle](#); [John Able](#); [Keith L Graves](#); [Kendall Brown](#); [Kendra L Bourgart](#); [Larry Jones](#); [Mary M Farrell](#); [Reta Laford](#); [Robert Lefevre](#); [Roxane M Raley](#); [Salek Shafiqullah](#); [Shane Lyman](#); [Tami Emmett](#); [Teresa Ann Ciapucci](#); tfurgason@swca.com; [Thomas Skinner](#); [Walter Keyes](#); [William B Gillespie](#); [Beverley A Everson](#)
Subject: Fw: August 14th Rosemont ID Team Kick-Off Meeting changed to SEPTEMBER 10
Date: 08/14/2008 09:45 AM

We'll still be meeting at NAFRI. See you on September 10! Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 08/14/2008 09:44 AM -----

**Beverley A
Everson/R3/USDAFS**

08/09/2008 03:08 PM

To: Beverley A Everson/R3/USDAFS
cc: Alan Belauskas/R3/USDAFS@FSNOTES, Andrea W Campbell/R3/USDAFS@FSNOTES, Christopher C LeBlanc/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Eli Curiel/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Heidi Schewel/R3/USDAFS@FSNOTES, Janet Jones/R3/USDAFS@FSNOTES, Jennifer Ruyle/R3/USDAFS@FSNOTES, John Able/R3/USDAFS@FSNOTES, Keith L Graves/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, Kendra L Bourgart/WO/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES, Mary M Farrell/R3/USDAFS@FSNOTES, Reta Laford/R3/USDAFS@FSNOTES, Robert Lefevre/R3/USDAFS@FSNOTES, Roxane M Raley/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Shane Lyman/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES, Teresa Ann Ciapucci/R3/USDAFS@FSNOTES, tfurgason@swca.com, Thomas Skinner/R3/USDAFS@FSNOTES, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES
Subject: August 14th Rosemont ID Team Kick-Off Meeting changed to SEPTEMBER 10 

Hello Team! Please mark your calendars to show that the **Rosemont ID Team Kick-Off Meeting date has been moved to September 10**. Note that the meeting date has been moved to correspond with the standing second Wednesday of the month that I asked all team members to hold open for project business. The

location will of the meeting will most likely still be NAFRI; I will get back to you to confirm.

The meeting agenda is still being refined, however, it will include an overview of the project and its history, and discussion of the resources important to analysis of the project. There will also be discussion of the Project Initiation Letter and team member roles, as well as the roles of SWCA and the proponent in the analysis process.

Confirmed meeting location and full agenda will follow shortly.

Bev Everson

Rosemont Copper Project ID Team Leader

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

▼ Beverley A Everson/R3/USDAFS

**Beverley A
Everson/R3/USDAFS**

07/29/2008 05:39 PM

To Reta Laford/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, John Able/R3/USDAFS@FSNOTES, Andrea W Campbell/R3/USDAFS@FSNOTES, Jennifer Ruyle/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES, Walter Keyes/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Keith L Graves/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Robert Lefevre/R3/USDAFS@FSNOTES, Shane Lyman/R3/USDAFS@FSNOTES, Eli Curiel/R3/USDAFS@FSNOTES, Christopher C LeBlanc/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Mary M Farrell/R3/USDAFS@FSNOTES, Alan Belauskas/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, Thomas Skinner/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES, Kendra L Bourgart/WO/USDAFS@FSNOTES, Janet Jones/R3/USDAFS@FSNOTES, Roxane M Raley/R3/USDAFS@FSNOTES, Heidi Schewel/R3/USDAFS@FSNOTES, tfurgason@swca.com

cc

Subject August 14th Rosemont ID Team Kick-off and Public Scoping Contents Analysis, Standing Meeting Schedule

Congratulations! You are officially part of the Rosemont Copper Project Interdisciplinary Team! Many of you have already begun the team building process by providing input on the project over the past year or so, and most recently, by attending field trips to the Tyrone Mine and to the Rosemont project area. You have brought great interest and enthusiasm to the project, and I look forward to seeing the new ideas and energy that will be generated as the team works together as a whole.

We will be having an official kick-off to the project on August 14th. Attendance at this meeting is important as we'll discuss how the team will work on this unique project in cooperation with SWCA Environmental Consultants. *Please RSVP*

IDT KICK-OFF MEETING DETAILS:

Where: National Advanced Fire and Resource Institute (NAFRI), at 3265 East Universal Way, Tucson .

Agenda:

- 9-12 IDT Kick-off and Public Scoping Content Analysis Overview (Core Team and Extended Team)**
- 1-5 Content Analysis (Core Team)**

Other information. . .

Over the following months, the team will be meeting for field trips, technical information exchange, and development of the Draft Environmental Impact Statement. To facilitate our team efforts, beginning August 30, 2008, the following standing meeting schedule will be used. If a meeting is not going to be held as planned, you will be notified a week in advance.

STANDING MEETING SCHEDULE

Wednesdays - Core Team members

Second Wednesday of the Month - Core and Extended Team members

I look forward to working with each of you on this project!

Bev Everson

Rosemont Copper Project ID Team Leader

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [Larry Jones](#)
To: [Robert Lefevre](#)
Subject: Fw: Biological Resource Bounds of Analysis
Date: 07/07/2009 03:18 PM
Attachments: [2009_Ortman_Coyle_Impact_Timeline_memo.pdf](#)
[bio.pdf](#)

from ken...

Larry Jones
Wildlife, Fish, and Rare Plants
Coronado National Forest
300 W Congress
Tucson, AZ 85701

520-388-8375
ljones02@fs.fed.us

----- Forwarded by Larry Jones/R3/USDAFS on 07/07/2009 03:18 PM -----

"Ken Kertell"
<kkertell@swca.com>

To "Larry Jones" <ljones02@fs.fed.us>
cc

07/07/2009 01:41 PM Subject RE: FW: Biological Resource Bounds of Analysis

Larry:

Attached is the Ortman tech memo describing the project impact timeline and a figure showing the Bounds of Analysis for Biological Resources.

Ken

From: Larry Jones [<mailto:ljones02@fs.fed.us>]
Sent: Tuesday, July 07, 2009 1:05 PM
To: Ken Kertell
Cc: Deborah K Sebesta; Beverley A Everson
Subject: Re: FW: Biological Resource Bounds of Analysis

Hey Ken--

Sorry this took me forever to get to...been kinda busy. Anyway, find attached some track changes on the document. I gotta admit, I'm a simpleton so I was kinda confused on what this all meant, so my overall recommendation is to put it in simpler terms and favor two-dimensional descriptions that are (at least to me) more intuitive. To me, it read more like a Bounds of Analysis for hydrological function, rather than biological resources. Anyway, pardon all the red ink, I know we are in

this together...thanks for asking for the review.

Larry Jones
Wildlife, Fish, and Rare Plants
Coronado National Forest
300 W Congress
Tucson, AZ 85701

520-388-8375
ljones02@fs.fed.us

"Ken Kertell" <kkertell@swca.com>

06/16/2009 10:50 AM

To <ljones02@fs.fed.us>, <dsebesta@fs.fed.us>

cc

Subject FW: Biological Resource Bounds of Analysis

Larry and Debbie:

Attached is the Bounds of Analysis map for biological resources. Please let me know if the action area is appropriate from your perspective.

Ken Kertell
Senior Scientist/Project Manager
SWCA Environmental Consultants
343 W. Franklin Street
Tucson, AZ 85701
(520) 325-9194 phone
(520) 325-2033 fax

From: Ken Kertell
Sent: Thursday, June 11, 2009 3:03 PM
To: 'ljones02@fs.fed.us'; 'dsebesta@fs.fed.us'
Cc: Charles Coyle; Tom Furgason
Subject: Biological Resource Bounds of Analysis

Larry and Debbie:

Attached is the subject document. I should have the associated map by tomorrow.

Ken Kertell
Senior Scientist/Project Manager
SWCA Environmental Consultants
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(520) 325-9194 phone
(520) 325-2033 fax

[attachment "Biological Resources Bounds of Analysis.doc" deleted by Larry Jones/R3/USDAFS] [attachment "bio.pdf" deleted by Larry Jones/R3/USDAFS]



2009_Ortman_Coyle_Impact Timeline_memo.pdf bio.pdf

From: [David Morrow](#)
To: [Robert Lefevre](#)
Subject: FW: climate change
Date: 10/10/2008 09:58 AM

Hi Bob,

I'm doing some research on climate change for an EIS up in the Apache-Sitgreaves NFs and my pal Mike sent me this. He teaches at NAU and is plugged into the research world pretty well.

Hope to come down again for some work sometime soon – Tucson is a great area.

Cheers,

Dave

David Morrow AICP
Air and Noise Specialist
Morro Group, a Division of SWCA Environmental Consultants
Sound Science, Creative Solutions
1422 Monterey St. San Luis Obispo CA 93401
P 805.543.7095 x106
F 805.543.2367
C 206.330.6727
<http://www.swca.com>

Please consider the environment before printing this e-mail

From: Michael Ort [<mailto:michael.ort@nau.edu>]
Sent: Thursday, October 09, 2008 4:30 PM
To: David Morrow
Subject: Re: climate change

Good. Glad it might be useful. We (southern COPlat, and the Transition Zone) are all figuring on less, but more intense, precip. The cold spells are critical - they are what put an end to bark beetle infestations. Without good sub-zero weather in the winter, the beetles are strong the following year. The ponderosa and pinyon pine mortality was impressive for the first few years of the decade. Right at the ecotones, the damage was worst, as the trees were most stressed. We are seeing the movement of the life zones in real time. A study in the Jemez Mtns showed that the 1930s drought caused a 1500 m upward shift in the ecotones - they did a screwy thing with the analysis, and this is not raw altitude, but rather 1500 m map view, which is only perhaps 100-200 m vertical (which is still a LOT).

--

Michael Ort
Environmental Sciences and Geology
PO Box 4099 (Bldg. 12, Rm. 100 for package services)
Northern Arizona University
Flagstaff, AZ 86011 USA

Office: +1 928 523 9363

Fax: +1 928 523 9220

<http://jan.ucc.nau.edu/~mho/>

From: [Beverley A Everson](#)
To: [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [gmckay@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [kellett@fs.fed.us](#); [ljones02@fs.fed.us](#); [Mary M Farrell](#); [Melinda D Roth](#); [mreichard@swca.com](#); [rlefevre@fs.fed.us](#); [sldavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [temmett@fs.fed.us](#); [tfurgason@swca.com](#); [Walter Keyes](#); [wgillespie@fs.fed.us](#)
Subject: Fw: Cooperating Agency Alternative Docs Now Online
Date: 09/04/2009 10:25 AM

Some team members are having problems with WebEx and getting into the Cooperating Agency documents. Here's another option for accessing them, and I'll talk to John Able about the WebEx issues.

Beverley A. Everson
Forest Geologist
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----- Forwarded by Beverley A Everson/R3/USDAFS on 09/04/2009 10:22 AM -----

John Able <jable@fs.fed.us>
Sent by: johnable23@gmail.com

To Heidi Schewel <hschewel@fs.fed.us>
cc Beverley A Everson <beverson@fs.fed.us>, Teresa Ciapusci <tciapusci@fs.fed.us>, mroth@fs.fed.us, Reta Laford <rlaford@fs.fed.us>

09/04/2009 09:31 AM

Subject Cooperating Agency Alternative Docs Now Online

Barbara put the PDF versions of the alternative docs from the cooperating agencies online at <http://rosemonteis.us/node/390>. (Barbara will work on converting to HTML this weekend.) Thanks to all for the team effort needed to get these all scanned, to me, and online in record time!

John A. Able, Information Steward
Transparency, Collaboration, Knowledge
Coronado National Forest
Text or Voice: 520-405-4256
Twitter: @johnable (work/public/private -- because social media destroys boundaries)

From: [Melinda D Roth](#)
To: mreichard@swca.com; tfurgason@swca.com
Cc: [Reta Laford](#); [Beverley A Everson](#); [Sarah L Davis](#); [Teresa Ann Ciapusci](#)
Subject: Fw: Coronado Project Record Protocols
Date: 11/10/2009 09:43 AM
Attachments: [CoronadoProjectRecordProtocols_rev110909sd.docx](#)

Final Project Record Direction
Thank you Sarah.

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

----- Forwarded by Melinda D Roth/R3/USDAFS on 11/10/2009 09:40 AM -----

**Sarah L
Davis/R3/USDAFS**

To Melinda D Roth/R3/USDAFS@FSNOTES
cc

11/09/2009 12:21 PM Subject Coronado Project Record Protocols

This version has the changes you recommended. I will continue in the future to do revisions as we learn more. R10 already updated the information re litigation record and litigation reports. I changed it in this version.



CoronadoProjectRecordProtocols_rev110909sd.docx

Sarah L. Davis, ASLA
Plan Revision Team
Coronado National Forest
TEL 520-388-8458
FAX 520-388-8332

From: [Beverley A Everson](#)
To: [Alan Belauskas](#); [Andrea W Campbell](#); [Arthur S Elek](#); [ccoyle@swca.com](#); [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [Janet Jones](#); [John Able](#); [Keith L Graves](#); [Kendall Brown](#); [Kent C Ellett](#); [Larry Jones](#); [Mary M Farrell](#); [mriechar@SWCA.com](#); [Reta Laford](#); [Robert Lefevre](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Tami Emmett](#); [Teresa Ann Ciapusci](#); [tfurgason@swca.com](#); [Walter Keyes](#); [William B Gillespie](#)
Cc: [Beverley A Everson](#)
Subject: Fw: Give priority to Rosemont Schedule over fire assignments
Date: 04/13/2009 12:39 PM

Hi Team,

Below is a message that Jeanine asked me to forward to all of you.

Thanks.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 04/13/2009 12:38 PM -----

**Jeanine
Derby/R3/USDAFS**

04/10/2009 04:38 PM

To: Beverley A Everson/R3/USDAFS@FSNOTES

cc: Reta Laford/R3/USDAFS@FSNOTES

Subject: Give priority to Rosemont Schedule over fire assignments

Thanks to everyone for the top notch job of evaluating issues and compiling them into a reasonable set for the analysis. Also thanks for your preliminary work in considering structure of alternatives. Now that fire season is starting, I just want to remind key Rosemont players that if called for a fire assignment please clear it with Bev and only take the assignment if it would not delay the schedule for the Rosemont Project. Again, thanks for all the competent work on this project.

Jeanine Derby, Forest Supervisor
Coronado National Forest
phone: 520 388-8306
FAX: 520 388-8305

From: [Beverley A Everson](#)
To: abelauskas@fs.fed.us; aelek@fs.fed.us; dkriegel@fs.fed.us; dsebesta@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; kellest@fs.fed.us; klgraves@fs.fed.us; ljjones02@fs.fed.us; mfarrell@fs.fed.us; Melissa Reichard; rlaford@fs.fed.us; rlefevre@fs.fed.us; slidavis@fs.fed.us; sshafiqullah@fs.fed.us; tciapusci@fs.fed.us; temmett@fs.fed.us; tfurgason@swca.com; wjillespie@fs.fed.us; Walter Keyes; tfurgason@swca.com; ccoyle@swca.com
Subject: Fw: Issue Statements
Date: 08/13/2009 05:01 PM
Attachments: [08122009_final_issue_statements.docx](#)

I have a couple of suggestions in rereading the statements, 1) under Night Skies, bullet 1, I suggest "reduced visibility of stars, planets and other celestial bodies, and satellites" (the other celestial bodies would include things like asteroids and meteorites), and 2) under Noise and Vibration, "decreased opportunities for solitude, quiet, and other enjoyment of the natural environment for area recreationists, residents, and visitors"

Team, please weigh in, responding to both Mindee and me.

Thank you!

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 08/13/2009 04:49 PM -----

Melinda D Roth/R3/USDAFS

To Beverley A Everson/R3/USDAFS@FSNOTES

cc

08/13/2009 04:15 PM

Subject Issue Statements

I think all comments from Wednesday's IDT meeting are incorporated in this attached version. As I read through it one last time, I found some additional questions or suggestions, which I coded in red text. I also added a brief introduction. After talking to Reta, I took the liberty of reordering the issues to put the drivers up front and I dropped Reclamation Plan as an issue. I hope you're comfortable in forwarding this on to the IDT for final comment. Let me know if you have question, concerns, or other ideas about how to "finalize" this product.

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

From: [Beverley A Everson](#)
To: abelauskas@fs.fed.us; aelek@fs.fed.us; dkriegel@fs.fed.us; dsebesta@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; kellett@fs.fed.us; ljones02@fs.fed.us; [Mary M Farrell](#); [Melinda D Roth](mailto:Melinda_D_Roth); mreichard@swca.com; rlefevre@fs.fed.us; sldavis@fs.fed.us; sshafiqullah@fs.fed.us; temmett@fs.fed.us; tfurgason@swca.com; [Walter Keyes](#); wgillespie@fs.fed.us
Subject: Fw: Issue units of measure; this is the document in WebEx that I referenced in my email yesterday - some of you asked for the location in WebEx.
Date: 08/28/2009 03:14 PM

Please see the link below. I apologize if this is a duplicate email for some of you; I got an error message when I tried to send it to all of you from WebEx, and don't know if my first mailing made it to you or not.

Beverley A. Everson
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----- Forwarded by Beverley A Everson/R3/USDAFS on 08/28/2009 03:10 PM -----

<<https://rosemonteis.webexone.com/r.asp?a=5&id=148021>>

From: [Walter Keyes](mailto:Walter.Keyes)
To: abelauskas@fs.fed.us; aelek@fs.fed.us; dkriegel@fs.fed.us; dsebesta@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; kellett@fs.fed.us; ljones02@fs.fed.us; [Mary M Farrell](mailto:Mary.M.Farrell); [Melinda D Roth](mailto:Melinda.D.Roth); mreichard@swca.com; rlfevre@fs.fed.us; sldavis@fs.fed.us; sshafiqullah@fs.fed.us; temmett@fs.fed.us; tfurgason@swca.com; [Walter Keyes](mailto:Walter.Keyes); wgillespie@fs.fed.us
Subject: Fw: Matrix/ Issue Overlap Table
Date: 09/04/2009 06:11 PM
Attachments: [Issue Resource Matrix.docx](#)

All,

It struck me that in the Matrix document the following phrase--placed directly under the "Issues Resource Matrix..." text--helps differentiate which issue effects which other issue. Not everything is a two-way relationship.

For your use if you wish to use it.

(i.e. "Does the quantity or quality of the *numbered Issue* affect the items listed in the top row?")

.....
Walt Keyes -- Roads Engineer
Coronado National Forest
300 W. Congress, Tucson, AZ 85701
520-388-8416 voice / 260-9567 cell / 388-8334 fax / wkeyes@fs.fed.us
C:\
C:\DOS
C:\DOS\RUN
...RUN\DOS\RUN
.....

----- Forwarded by Walter Keyes/R3/USDAFS on 09/04/2009 06:08 PM -----

Beverley A Everson/R3/USDAFS

09/04/2009 04:49 PM

To abelauskas@fs.fed.us, aelek@fs.fed.us, dkriegel@fs.fed.us, dsebesta@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, jable@fs.fed.us, kbrown03@fs.fed.us, kellett@fs.fed.us, ljones02@fs.fed.us, [Mary M Farrell/R3/USDAFS@FSNOTES](mailto:Mary.M.Farrell/R3/USDAFS@FSNOTES), [Melinda D Roth/R3/USDAFS@FSNOTES](mailto:Melinda.D.Roth/R3/USDAFS@FSNOTES), mreichard@swca.com, rlfevre@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, temmett@fs.fed.us, tfurgason@swca.com, [Walter Keyes/R3/USDAFS@FSNOTES](mailto:Walter.Keyes/R3/USDAFS@FSNOTES), wgillespie@fs.fed.us

cc

Subject Matrix/ Issue Overlap Table

In case you need the matrix.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

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----- Forwarded by Beverley A Everson/R3/USDAFS on 09/04/2009 04:48 PM -----

Melinda D Roth/R3/USDAFS

To Beverley A Everson/R3/USDAFS@FSNOTES

cc

08/25/2009 03:37 PM

Subject Issue Overlap Table

Use this one. It's formatted to fit 8 1/2 X 11 paper...

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

From: [Beverley A Everson](#)
To: [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [ccolye@swca.com](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [gmckay@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [kellett@fs.fed.us](#); [Kent C Ellett](#); [ljones02@fs.fed.us](#); [Mary M Farrell](#); [Melinda D Roth](#); [mreichard@swca.com](#); [rlefevre@fs.fed.us](#); [sldavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [temmett@fs.fed.us](#); [tfurgason@fs.fed.us](#); [tfurgason@swca.com](#); [Walter Keyes](#); [William B Gillespie](#)
Subject: Fw: Rosemont meetings - lunches - everyone needs to take responsibility in getting their own lunch within a half hour lunch break and breaks (ordering), and not take up meeting time for lunch coordination
Date: 09/16/2009 05:27 PM

I agree with Debby' concern. In future meetings, please either bring lunch or come prepared to coordinate with others in the mid-morning break on ordering out, including deciding who in the group will place the order and coordinate paying for the order and collecting money from everyone. Responsibility for order placer money collection should rotate through meeting participants, not just be Melissa's responsibility (I'm including the team leader...).

Thanks.

Bev

Beverley A. Everson
Forest Geologist
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Tucson, AZ. 85701

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----- Forwarded by Beverley A Everson/R3/USDAFS on 09/16/2009 05:18 PM -----

Debby Kriegel/R3/USDAFS

To Beverley A Everson/R3/USDAFS@FSNOTES

cc

09/16/2009 12:19 PM

Subject Rosemont meetings - lunches

I'd like to suggest that IDT members either bring a lunch or arrange for a lunch either before the meeting begins or during a break. It seems like at every meeting the entire team has to stop work for 5-10 minutes to discuss Baggins orders. I realize that's not a lot of time, but it adds up. Thanks.

From: [Teresa Ann Ciapusci](#)
To: [Reta Laford](#); [Teresa Ann Ciapusci](#); [John Able](#); [Andrea W Campbell](#); [Jennifer Ruyle](#); [Beverley A Everson](#); [Walter Keyes](#); [Salek Shafiqullah](#); [Debby Kriegel](#); [Keith L Graves](#); [Deborah K Sebesta](#); [Tami Emmett](#); [George McKay](#); [Robert Lefevre](#); [Shane Lyman](#); [Eli Curiel](#); [Christopher C LeBlanc](#); [William B Gillespie](#); [Mary M Farrell](#); [Alan Belauskas](#); [Kendall Brown](#); [Thomas Skinner](#); [Larry Jones](#); [Kendra L Bourgart](#); [Janet Jones](#); [Roxane M Raley](#); [Heidi Schewel](#); tfurgason@swca.com; mreichard@swc.com; gsoroka@swca.com; kcox@swca.com; rbowers@swca.com; jmacivor@swca.com; [Charles A Blair](#)
Subject: Fw: San Manuel Field Trip, Wednesday, August 20, leaving at 7:00 a.m. from Federal Building
Date: 08/18/2008 01:10 PM
Signed by: CN=Teresa Ann Ciapusci/OU=R3/O=USDAFS

Just a reminder that the bus will stop at a restaurant for lunch with this field trip. Location to be determined but likely in the San Manuel area.

Teresa Ann Ciapusci
Staff Officer
Ecosystem Management and Planning
Coronado National Forest
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Tucson, Arizona 85701
(520) 388-8350 office
(520) 237-0879 cellular
(520) 388-8305 fax

----- Forwarded by Teresa Ann Ciapusci/R3/USDAFS on 08/18/2008 01:09 PM -----

**Beverley A
Everson/R3/USDAFS**

08/14/2008 01:18 PM

To: Reta Laford/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, John Able/R3/USDAFS@FSNOTES, Andrea W Campbell/R3/USDAFS@FSNOTES, Jennifer Ruyle/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES, Walter Keyes/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Keith L Graves/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Robert Lefevre/R3/USDAFS@FSNOTES, Shane Lyman/R3/USDAFS@FSNOTES, Eli Curiel/R3/USDAFS@FSNOTES, Christopher C LeBlanc/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Mary M Farrell/R3/USDAFS@FSNOTES, Alan Belauskas/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, Thomas Skinner/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES, Kendra L Bourgart/WO/USDAFS@FSNOTES, Janet Jones/R3/USDAFS@FSNOTES, Roxane M Raley/R3/USDAFS@FSNOTES, Heidi Schewel/R3/USDAFS@FSNOTES, tfurgason@swca.com, mreichard@swc.com, gsoroka@swca.com, kcox@swca.com, rbowers@swca.com, jmacivor@swca.com, Charles A Blair/R3/USDAFS@FSNOTES

cc

Subject: San Manuel Field Trip, Wednesday, August 20, leaving at 7:00 a.m. from Federal Building

Hi Everyone,

We will be departing from in front of the Federal Building by bus for San Manuel promptly at **7:00 a.m.** next Wednesday. Please let me know if you live in the Oro Valley area and prefer to meet the bus there at the Home Depot Store at 10855 N. Oracle Rd. We will look for you between Home Depot and Sports Authority at around 7:30.

Most of Arizona's metal mines were operated in the late 1800s, typically as underground operations. San Manuel is no exception, however, large scale underground mining did not begin until 1952. Open pit mining began in 1985, and all operations ceased in 1999 due to low copper prices. Surface reclamation of the area began a couple of years later and was completed at a cost of \$59 million in May of 2006 (though some reworking of the reclamation areas has continued). The reclamation was a "topographic based" design where reclaimed areas were recoutoured to blend with the surrounding natural topography and then revegetated.

The San Manuel operation was a very important part of the economy and history of the area for multiple generations. The toppling of the smelter stacks associated with the operation in January of 2007 was seen as progress to some, and the sad end of an era for others. We will learn a little more about the history of the operation with the site visit along with seeing the interesting reclamation techniques.

I will be forwarding a white paper comparing San Manuel and the proposed Rosemont Copper Project to you once I receive it from the company.

See you Wednesday.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [Beverley A Everson](#)
To: [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [gmckay@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [kellett@fs.fed.us](#); [ljones02@fs.fed.us](#); [Mary M Farrell](#); [Melinda D Roth](#); [mreichard@swca.com](#); [rlefevre@fs.fed.us](#); [sldavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [temmett@fs.fed.us](#); [tfurgason@swca.com](#); [Walter Keyes](#); [William B Gillespie](#); [Beverley A Everson](#)
Subject: Fw: September 9 EXTENDED TEAM meeting
Date: 09/08/2009 03:49 PM
Attachments: [Issue Resource Matrix Lefevre.docx](#)

Enclosed is Bob Lefevre's matrix which is a good example of what I was asking the team for.

Beverley A. Everson
Forest Geologist
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300 W. Congress Street, 6th Floor
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----- Forwarded by Beverley A Everson/R3/USDAFS on 09/08/2009 03:48 PM -----

Robert Lefevre/R3/USDAFS

To Beverley A Everson/R3/USDAFS@FSNOTES

cc

09/08/2009 02:46 PM

Subject Re: September 9 EXTENDED TEAM meeting [Link](#)

Good afternoon, Bev. Here is my version of the matrix.
Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373

From: [Beverley A Everson](#)
To: abelauskas@fs.fed.us; aelek@fs.fed.us; dkriegel@fs.fed.us; dsebesta@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; kelleth@fs.fed.us; ljones02@fs.fed.us; [Mary M Farrell](#); [Melinda D Roth](#); mreichard@swca.com; rlefevre@fs.fed.us; sldavis@fs.fed.us; sshafiqullah@fs.fed.us; temmett@fs.fed.us; tfurgason@fs.fed.us; [Walter Keyes](#); [William B Gillespie](#); [Kent C Ellett](#); mreichard@swca.com; tfurgason@swca.com; ccolyle@swca.com
Subject: Fw: Smithsonian Comments on Alternatives_08.31.09
Date: 08/31/2009 03:28 PM

FYI, in case you are interested.

<<https://rosemonteis.webexone.com/r.asp?a=5&id=153070>>

From: [Beverley A Everson](mailto:Beverley.A.Everson@fs.fed.us)
To: abelauskas@fs.fed.us; aelek@fs.fed.us; ccoyle@swca.com; dkriegel@fs.fed.us; dsebesta@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; kellett@fs.fed.us; [Kent C Ellett](mailto:Kent.C.Ellett@fs.fed.us); ljohnes02@fs.fed.us; [Mary M Farrell](mailto:Mary.M.Farrell@fs.fed.us); [Melinda D Roth](mailto:Melinda.D.Roth@fs.fed.us); sldavis@fs.fed.us; sshafiqullah@fs.fed.us; temmett@fs.fed.us; [Walter Keyes](mailto:Walter.Keyes@fs.fed.us); [William B Gillespie](mailto:William.B.Gillespie@fs.fed.us); [Roger D Congdon](mailto:Roger.D.Congdon@fs.fed.us); [Michael A Linden](mailto:Michael.A.Linden@fs.fed.us); [Mark E Schwab](mailto:Mark.E.Schwab@fs.fed.us); tfurgason@swca.com; [Barbara Hoag](mailto:Barbara.Hoag@fs.fed.us); [Cori](mailto:Cori@srk.com) <choag@srk.com>; rlefevre@fs.fed.us
Subject: Fw: SRK review of geochemical test work prepared for Rosemont Copper
Date: 09/24/2009 05:37 PM

Disregard if you are not interested in this. Otherwise, please let me know of your availability for a conference call before Sept. 30. Also, please me know if I haven't forwarded the referenced report to you, and you would like a copy.

Thank you.

Bev

Beverley A. Everson
Forest Geologist
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Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 09/24/2009 05:22 PM -----

"Hoag, Cori" <choag@srk.com>

09/24/2009 04:08 PM

To Tom Furgason <tfurgason@swca.com>, Beverley A Everson <beverson@fs.fed.us>, Melinda D Roth <mroth@fs.fed.us>

cc Charles Coyle <ccoyle@swca.com>, Dale Ortman PE <daleortmanpe@live.com>, Melissa Reichard <mreichard@swca.com>

Subject RE: SRK review of geochemical test work prepared for Rosemont Copper

All,

Dr. Rob Bowell is in the U.S. until Sept. 30 and may be available for a few minutes via telephone to discuss any concerns you have, answer any general geochemistry questions, or explain something in more detail. I'd have to organize this in advance as he is on a tight schedule.

Regards, Cori

Corolla K Hoag, R.G.
Principal Geologist
SRK Consulting (U.S.), Inc.
3275 W. Ina Rd. Suite 240
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Work: (520) 544-3688
Fax: (520) 544-9853
Mobile: (520) 400-4135

From: Tom Furgason [mailto:tfurgason@swca.com]
Sent: Thursday, September 24, 2009 3:42 PM
To: Beverley A Everson; Melinda D Roth
Cc: Charles Coyle; Dale Ortman PE; Hoag, Cori; Melissa Reichard
Subject: FW: SRK review of geochemical test work prepared for Rosemont Copper

Bev,

Attached is SRK's review of the *Preliminary Trip Report and Phase 1 Sampling and Analysis Plan* (Vector, 2006) and *Baseline Geochemical Characterization – Rosemont Copper* (main text, Appendix A, and Appendix B) (Tetra Tech, 2007) submitted by Rosemont. Would it be possible for the CNF have its review of this document completed by the end of next week (Oct. 2) so that we may respond to SRK in a timely manner such that they can respond to any comments from your staff? Specifically, we need your specialists to comment on SRK's work in presenting their professional opinion, not on what additional information, if any, may be required from Rosemont. At the end of our comment period we will request SRK to edit their memo or accept it as final. Should there be comments for SRK to consider, we anticipate their response to take one week. Then, based on the memo we may elect to pursue additional input from SRK and/or information from Rosemont. Feel free to contact Dale or me if you have any questions.

Tom Furgason

Program Director
[SWCA Environmental Consultants](#)
343 West Franklin Street
Tucson, AZ 85701
(520) 325-9194 ext. 110
(520) 820-5178 mobile
(520) 325-2033 fax

From: Hoag, Cori [mailto:choag@srk.com]
Sent: Thursday, September 24, 2009 11:54 AM
To: Charles Coyle; Tom Furgason
Cc: Dale Ortman PE; Bowell, Rob; Stone, Claudia
Subject: SRK review of geochemical test work prepared for Rosemont Copper

Charles and Tom,
Please find attached the review by SRK Consulting of two reports prepared by Vector (2006) and Tetra Tech (2007) on the geochemical test work performed for Rosemont Copper. Please let me know if you have any questions.

Regards, Cori

Corolla K Hoag, R.G.
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From: [Beverley A Everson](#)
To: abelauskas@fs.fed.us; aelek@fs.fed.us; dkriegel@fs.fed.us; dsebesta@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; kellett@fs.fed.us; ljones02@fs.fed.us; [Mary M Farrell](#); [Melinda D Roth](mailto:Melinda_D_Roth); mreichard@swca.com; rlefevre@fs.fed.us; sldavis@fs.fed.us; sshafiqullah@fs.fed.us; temmett@fs.fed.us; tfurgason@swca.com; [Walter Keyes](#); wgillespie@fs.fed.us
Subject: Fw: State - Arizona Department of Water Resources
Date: 09/03/2009 05:43 PM
For Follow Up: Normal Priority.

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<<https://rosemonteis.webexone.com/r.asp?a=5&id=153358>>

From: [Beverley A Everson](#)
To: [Reta Laford](#); [Teresa Ann Ciapusci](#); [John Able](#); [Andrea W Campbell](#); [Jennifer Ruyle](#); [Beverley A Everson](#); [Walter Keyes](#); [Salek Shafiqullah](#); [Debby Kriegel](#); [Keith L Graves](#); [Deborah K Sebesta](#); [Tami Emmett](#); [George McKay](#); [Robert Lefevre](#); [Shane Lyman](#); [Eli Curiel](#); [Christopher C LeBlanc](#); [William B Gillespie](#); [Mary M Farrell](#); [Alan Belauskas](#); [Kendall Brown](#); [Thomas Skinner](#); [Larry Jones](#); [Kendra L Bourgart](#); [Janet Jones](#); [Roxane M Raley](#); [Heidi Schewel](#); tfurgason@swca.com; mreichard@swc.com; gsoroka@swca.com; kcox@swca.com; rbowers@swca.com; jmacivor@swca.com; [Charles A Blair](#)
Subject: Fw: White Paper for Silver Bell
Date: 08/21/2008 09:12 AM
Attachments: [Silver Bell Information.pdf](#)

FYI, comparison between the proposed Rosemont leaching operation and the Silver Bell operation.

Beverley A. Everson
Forest Geologist
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----- Forwarded by Beverley A Everson/R3/USDAFS on 08/21/2008 09:10 AM -----

Kathy Arnold
<karnold@augustaresource.com>

To 'Beverley A Everson'
<beverson@fs.fed.us>

08/19/2008 07:20 PM

cc

Please respond to
karnold@augustaresource.com

Subject White Paper for Silver Bell

Bev –
Lost the whole day, but got this together before I am leaving for home.

I will bring a copy with me tomorrow.

Kathy

Katherine Arnold, PE | Director of Environmental and Regulatory Affairs
Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724
karnold@augustaresource.com



Rosemont Copper Company
P.O. Box 35130 | Tucson, AZ 85740-5130
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Silver Bell Information.pdf

From: [Beverley A Everson](#)
To: [Reta Laford](#); [Teresa Ann Ciapusci](#); [John Able](#); [Andrea W Campbell](#); [Jennifer Ruyle](#); [Beverley A Everson](#); [Walter Keyes](#); [Salek Shafiqullah](#); [Debby Kriegel](#); [Keith L Graves](#); [Deborah K Sebesta](#); [Tami Emmett](#); [George McKay](#); [Robert Lefevre](#); [Shane Lyman](#); [Eli Curiel](#); [Christopher C LeBlanc](#); [William B Gillespie](#); [Mary M Farrell](#); [Alan Belauskas](#); [Kendall Brown](#); [Thomas Skinner](#); [Larry Jones](#); [Kendra L Bourgart](#); [Janet Jones](#); [Roxane M Raley](#); [Heidi Schewel](#); tfurgason@swca.com; mreichard@swc.com; gSOROKA@swca.com; kcox@swca.com; rbowers@swca.com; jmacivor@swca.com; [Charles A Blair](#)
Subject: Fw: White Papers
Date: 08/22/2008 02:04 PM

FYI, white papers on the Rosemont field trips.

Beverley A. Everson
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----- Forwarded by Beverley A Everson/R3/USDAFS on 08/22/2008 02:02 PM -----

Kathy Arnold
<karnold@augustaresource.com>

To 'Beverley A Everson'
<beverson@fs.fed.us>

08/21/2008 05:01 PM

cc

Please respond to
karnold@augustaresource.com

Subject White Papers

Bev –

Here are the white papers I owe you, the one for Tyrone is pretty thin, and the one for Rosemont does not have the slides you saw. We are reluctant to use those because they are interpretive and have not been published anywhere yet but I did include the ones from the latest 43-101. Please let me know if you need anything else.

Cheers!

Kathy

Katherine Arnold, PE | Director of Environmental and Regulatory Affairs
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karnold@augustaresource.com



Rosemont Copper Company
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Carlota Copper Company.pdf



BHP San Manuel.pdf



Rosemont Tour Information.pdf



Tyrone Information.pdf

From: [Craig P Wilcox](#)
To: [Robert Lefevre](#); [Larry Jones](#); [Anne Casey](#); [Randall A Smith](#); [Buddy Zale](#)
Cc: [Chris French](#); [Andres Campas](#)
Subject: Fw: Your specialist reports - Best Available Science
Date: 01/02/2009 10:30 AM

The originating e-mail in this string has some good guidance on how to meet the "best available science" requirements in NEPA and plan amendments.

Craig

Craig Wilcox, Forest Silviculturist
Coronado National Forest
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928-348-1961 work
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----- Forwarded by Craig P Wilcox/R3/USDAFS on 01/02/2009 10:22 AM -----

**Jerry
Simon/R3/USDAFS**

12/29/2008 12:08 PM

To: Andy Vigil/R3/USDAFS@FSNOTES, pdl r3
silviculturists@FSNOTES
cc: Jerry Simon/R3/USDAFS
Subject: Re: Fw: Your specialist reports - Best Available Science


Andy, Thanks

I recently attended a NEPA/NFMA/Appeals workshop.

One thing that was mentioned is the **REQUIREMENT** to include the total text documentation for any literature cited in your NEPA document and record.

What this means is that if you cite a report the whole report must be included in the project file. The document can either be hard copy or electronic on a CD.

If an appeal comes in or if you go to court and the documentation is not to be found in the record the judge may/will throw out your case and you will loose.

NEPA coordinators will be looking for this documentation and it sounded to me like they are more than willing to help put together an electronic bibliography for you if you supply the documents.

The silviculture website I maintain on the FSWEB
<http://fsweb.r3.fs.fed.us/for/silviculture/literature.htm> contains many documents that can be copied and burned to a CD.

If you have documents that you use regularly and they are not on the silviculture website please send them to me so others may use them too and I'll post them on

the website.

Jerry Simon
Southwestern Region (R3)
Office(505) 842-3118
FAX (505) 842-3152
e-mail jsimon@fs.fed.us

▼ Andy Vigil/R3/USDAFS

**Andy
Vigil/R3/USDAFS**

To Jerry Simon/R3/USDAFS@FSNOTES
cc

12/29/2008 07:24 AM

Subject Fw: Your specialist reports - Best Available Science

I forgot about this website.

Andrew Vigil
West Zone Silviculturist-Forester
Cuba Ranger District
Santa Fe National Forest
575-289-3264 x72121
email: avigil@fs.fed.us

----- Forwarded by Andy Vigil/R3/USDAFS on 12/29/2008 07:23 AM -----

**Mike
Dechter/R3/USDAFS**

To Ramon C Borrego/R3/USDAFS@FSNOTES, Josephine G Wargo/R3/USDAFS@FSNOTES, Derek J Padilla/R3/USDAFS@FSNOTES, William Eaton/R3/USDAFS@FSNOTES, Andy Vigil/R3/USDAFS@FSNOTES, Thomas H Fuchtman/R3/USDAFS@FSNOTES, Larry D Gore/R3/USDAFS@FSNOTES, Joan Hellen/R3/USDAFS@FSNOTES, Jeanne Hoadley/R3/USDAFS@FSNOTES, Carol Van Dorn/R3/USDAFS@FSNOTES, Chuck T Dentino/R3/USDAFS@FSNOTES, Sean Ferrell/R3/USDAFS@FSNOTES, jham@swca.com
cc scampney@fs.fed.us, Steve F Romero/R3/USDAFS@FSNOTES, Mary E Bean/R3/USDAFS@FSNOTES

05/07/2007 01:08 PM

Subject Your specialist reports - Best Available Science



Hello all,

Recently the Forest Service lost a court case enabling us to implement the 2005 planning rule. We are finding out that this has quite a ripple effect, one being that our planning efforts are now under the 2004 Interpretive Rule (which clarifies the 2000 rule). The 2004/2000 rule requires project planning uses **best available science** - we recently lost another court case on a project decision because we didn't specifically mention the words 'best available science'. **This requirement needs to be addressed in specialist reports (according to recent court rulings) and must be specifically discussed in the Decision document.**

Here's the regional/WO guidance on how to ensure **best available science** is integrated into specialist reports:

The Project Record, specifically the Specialist Reports, need to document what scientific information was considered, how it was or was not used, and the rationale for either using or excluding scientific information. Preparation advice for specialists report is posted to the FS intranet at: <http://fsweb.r3.fs.fed.us/eap/nepa/advice/index.shtml>

For Decision documents, the RO/WO tells us the following:

...decisions under appeal or litigation will be challenged if the provision is not directly addressed in the decision. We feel in Region 3 that a simple statement of Finding should be included in the decision document, with supporting documentation in the Project Record. Something like: "This project was developed in consideration of the best available science." Or, for amendments "This amendment of the XXXXX National Forest Land and Resource Management Plan was developed with consideration of the best available science."

Both of these will affect all of our current projects including FR 103, South Pit EA, Jemez 3 grazing allotments, Deer Lake II, etc. etc. Please make sure to address scientific information accordingly so we can ensure our projects will be defensible in the future. Thanks and feel free to call me with questions.

-mike

Mike Dechter
Santa Fe National Forest
Cuba/Jemez Ranger District NEPA Coordinator
505-829-3535 x 3109

From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Cc: [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [gmckay@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [kellett@fs.fed.us](#); [ljones02@fs.fed.us](#); [Mary M Farrell](#); [Melinda D Roth](#); [mreichard@swca.com](#); [rlefevre@fs.fed.us](#); [sldavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [Tami Emmett](#); [tfurgason@swca.com](#); [Walter Keyes](#); [William B Gillespie](#)
Subject: FYI, letter to Sec. Vilsack from the Pima County Administrator
Date: 09/18/2009 01:54 PM

OGC is WO on the Consti. abuse issue.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

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From: [Melissa Reichard](#)
Sent By: [rosemonteis](#)
To: [kbrown03@fs.fed.us](#); [beverson@fs.fed.us](#); [kellett@fs.fed.us](#); [rlefevre@fs.fed.us](#); [aelek@fs.fed.us](#); [temmett@fs.fed.us](#); [gmckay@fs.fed.us](#); [ljones02@fs.fed.us](#); [ccoyle@swca.com](#); [abelauskas@fs.fed.us](#); [sldavis@fs.fed.us](#); [rlaford@fs.fed.us](#); [mfarrell@fs.fed.us](#); [mreichard@swca.com](#); [wgillespie@fs.fed.us](#); [tfurgason@swca.com](#); [tciapusci@fs.fed.us](#); [mroth@fs.fed.us](#)
Cc: [Melissa Reichard](#)
Subject: Glamis Gold v. US lawsuit award
Date: 09/18/2009 03:19 PM

For those of you who were not present at this week's IDT meeting, we discussed the Glamis Gold case. It is a mining company vs. the US due to the requirement to backfill an open-pit. They first began the lawsuit process in December of 2003 and this is the decision that was released in June of this year. It was requested that I get this information and put it out to the team.

Disclaimer: The Project management team would have to provide guidance as to what, if any, implications this could mean for Rosemont.

<<https://rosemonteis.webexone.com/r.asp?a=5&id=154083>>

This link will also bring you to all of the other documents in the case:
<http://www.state.gov/s/l/c10986.htm>

Thanks!

Mel

From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Cc: [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [gmckay@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [kellett@fs.fed.us](#); [ljones02@fs.fed.us](#); [Mary M Farrell](#); [Melinda D Roth](#); [mreichard@swca.com](#); [rlefevre@fs.fed.us](#); [sldavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [temmett@fs.fed.us](#); [tfurgason@fs.fed.us](#); [Walter Keyes](#); [wgillespie@fs.fed.us](#)
Subject: I had a question about whether or not there is an IDT meeting tomorrow. There is none scheduled.
Date: 08/18/2009 02:49 PM

Beverley A. Everson
Forest Geologist
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From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Cc: [Andrea W Campbell](#); [Arthur S Elek](#); ccoyle@swca.com; [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [John Able](#); [Kendall Brown](#); [Kent C Ellett](#); [Larry Jones](#); [Marc Kaplan](#); [Mary M Farrell](#); mreichard@SWCA.com; [Reta Laford](#); [Robert Lefevre](#); [S@FSNOTES](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Tami Emmett](#); tfurgason@swca.com; [Walter Keyes](#); [William B Gillespie](#)
Subject: IDT Meeting on Wednesday
Date: 05/18/2009 06:07 PM

This is to confirm that the core team will be meeting on Wednesday, from 9:00 to 4:30. We'll be meeting in 6V6. We will be doing further brainstorming on alternative development in the morning, and will spend the afternoon finalizing draft alternatives and mitigation.

Extended team members are welcome to attend.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Cc: [Alan Belauskas](#); [Andrea W Campbell](#); [Arthur S Elek](#); ccoyle@swca.com; [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [Janet Jones](#); [John Able](#); [Keith L Graves](#); [Kendall Brown](#); [Kent C Ellett](#); [Larry Jones](#); [Mary M Farrell](#); mreichard@SWCA.com; [Reta Laford](#); [Robert Lefevre](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Tami Emmett](#); [Teresa Ann Ciapusci](#); tfurgason@swca.com; [Walter Keyes](#); [William B Gillespie](#)
Subject: IDT meeting scheduling
Date: 05/04/2009 02:19 PM

We will not be meeting this Wednesday, however we will be meeting on the 13th, in 4B, 9:00 to 4:30. The meeting on the 13th will include a presentation by Rosemont concerning their development of alternatives, alternative components, and mitigation. It will be a refinement of their presentation in the April 22 meeting. Following that presentation, we will review Rosemont recommendations and refine the alternatives and mitigations we previously formulated as a team.

I have some homework for a few team members, as follows:

Bill and Mary - one of the mitigations we came up with as a team in our April 8 was relocating the tailings around archeological sites. Can you please tell me what sites you had in mind?

George and Tami - another idea that came up in the April 8 IDT meeting was re-establishing land ownershi boundaries after completion of the operation. Can you clarify what you mean by this? Also, can you tell me what the acreage limitation is for a small tract sale?

Thank you!

Bev

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300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

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From: [Beverley A Everson](#)
To: [Alan Belauskas](#); [Andrea W Campbell](#); [Arthur S Elek](#); [ccoyle@swca.com](#); [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [Janet Jones](#); [John Able](#); [Keith L Graves](#); [Kendall Brown](#); [Kent C Ellett](#); [Larry Jones](#); [Mary M Farrell](#); [mriechar@SWCA.com](#); [Reta Laford](#); [Robert Lefevre](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Tami Emmett](#); [Teresa Ann Ciapusci](#); [tfurgason@swca.com](#); [Walter Keyes](#); [William B Gillespie](#); [Kent C Ellett](#); [Jeanine Derby](#); [Reta Laford](#)
Subject: information on permitting for mining on private land
Date: 05/01/2009 11:45 AM
Attachments: [PossibleAZpermits.doc](#)

Please see the list below, from Tonto NF Geologist Karyn Harbour. Karyn has "tons" of experience with copper operations, and this looks like some great information to keep on hand .

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----- Forwarded by Beverley A Everson/R3/USDAFS on 05/01/2009 11:39 AM -----

**Karyn B
Harbour/R3/USDAFS**

To Gary Schiff/WO/USDAFS@FSNOTES
cc Michael A Linden/R3/USDAFS@FSNOTES

04/30/2009 05:07 PM Subject More info

Gary, per our phone discussion today here's some additional information you requested (this list does not include hazardous material and solid waste disposal permit requirements) - - Good Luck !



PossibleAZpermits.doc

Karyn B. Harbour
Minerals Administrator / Forest Geologist
Tonto National Forest
2324 E. McDowell Road
Phoenix, AZ 85006
602.225-5272
602.225-5295 Fax
kharbour@fs.fed.us

From: [Kendra L Bourgart](#)
To: [Melissa Reichard](#); tciapusci@fs.fed.us; [Tom Furgason](#); [Keith L Graves](#); [Jeanine Derby](#); [Reta Laford](#); [Salek Shafiqullah](#); [John Able](#); [Faye Fentiman](#); [Teresa Ann Ciapusci](#); [Beverley A Everson](#); [Robert Lefevre](#); [Carl Ostermann](#); [Janet Jones](#); [MiMi Battin](#); [Andrea W Campbell](#); [Heidi Schewel](#); [Kendra L Bourgart](#)
Subject: Invitation to Potluck and Link to Agua Caliente Park Web Site
Date: 09/12/2008 06:46 AM

http://www.pima.gov/nrpr/places/agua_pk/index.htm

Greetings! (Melissa, Will you please forward this to the appropriate SWCA folks?)

Because of your participation in the Rosemont Project Scoping process, you and your family have been invited to a potluck on Sunday, September 14 at 4 pm, to be held at Agua Caliente Park.

Some of you have already alerted me about whether or not you are able to attend. Thank you! **FYI, There will be app. 20 adults and 5 children!**

I've provided a link to the park's Web site, so you can obtain directions.

Thank you, Kendra

Kendra L. Bourgart
520-388-8390
559-920-6113
klbourgart@fs.fed.us

From: [VSIENV](#)
To: [Robert Lefevre](#)
Cc: [Charles Coyle](#)
Subject: Issue statement and units
Date: 09/24/2009 10:21 AM
Attachments: [Air Quality Issue Statement and Units.doc](#)

Mr. Lefevre-

I'm attaching a issue statement and units for potential impacts associated with the Rosemont Copper Mine. I have no problem with the issues or the units, as long as the visibility impacts are defined by the modeling for the Class I area. I would appreciate your thoughts on this.

thank you

dennis haase

VSI

From: [Beverley A Everson](mailto:Beverley.A.Everson)
To: [Beverley A Everson](mailto:Beverley.A.Everson)
Cc: abelauskas@fs.fed.us; aelek@fs.fed.us; dkriegel@fs.fed.us; dsebesta@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; kellett@fs.fed.us; klgraves@fs.fed.us; ljones02@fs.fed.us; mfarrell@fs.fed.us; [Melissa Reichard](mailto:Melissa.Reichard); rlaford@fs.fed.us; rlefevre@fs.fed.us; slDavis@fs.fed.us; sshafiqullah@fs.fed.us; tciapusci@fs.fed.us; temmett@fs.fed.us; tfurgason@swca.com; wgillespie@fs.fed.us; wkeyes@fs.fed.us
Subject: Issue Statements for review
Date: 07/29/2009 11:22 AM
Attachments: [07272009_final_issue_statements.doc](#)

Please review the enclosed Issue Statements, which the core team worked on last Wednesday, and submit comments to Mindee and to me. The due date for your comments is COB next Tuesday, August 4.

Thank you -

Bev

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Here is the latest version... Sarah helped with some wordsmithing, Salek wants to look at Water closely again, and I want to talk to Debbie S. about Plants and Animals. It would be great if you would read these and check for clarity and completeness based on what you recall from public comment and work on the issue worksheets. Thx.

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

From: [Melissa Reichard](#)
Sent By: [rosemonteis](#)
To: [kellett@fs.fed.us](#); [Robert LeFevre](#); [Sarah Davis](#); [beverson@fs.fed.us](#); [dkriegel@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [ljones02@fs.fed.us](#); [Alan Belauskas](#); [William Gillespie](#); [wkeyes@fs.fed.us](#); [Kendall Brown](#); [dsebesta@fs.fed.us](#); [Eli Curiel](#)
Cc: [Teresa Ann Ciapusci](#); [Tom Furgason](#); [Charles Coyle](#); [Reta Laford](#); [Melissa Reichard](#)
Subject: Issues & Themes
Date: 03/20/2009 11:39 AM

Hi All!

The Word versions of the Cause & Effect Worksheets and the Issue narratives are now uploaded. If you need any help with Track Changes, I have uploaded a Cheat Sheet in the References folder. Please let me know if you have any questions or issues with any of the documents. The assignments from the IDT meeting on Wednesday are as follows:

Bob Lefevre- 1,3 Air Pollution, 57 Riparian Vegetation, 65 Soils

Bill Gillespie- 14 Archaeology

Sarah Davis- 15,61 Socioeconomics/EJ, 25 Outdoor Lighting

Kendall Brown- 27,28 Livestock Grazing

Alan Belauskas- 31 Noise

Walt Keyes (assistance from Bev and/or Salek)- 52 Reclamation Plan, 74 Transportation, 80,89partial,90,93 Mine Area Groundwater, 92 Potential Pit Lake, 94 Storm Water Control

Debbie Kriegel- 56 Recreation, 84 Visual Resources, 101 Wilderness

Debby Sebesta- 69 Special Status Species, 79 Vegetation, 83,102,103,104,105 Wildlife Habitat

Eli Curiel- 91 Acid Rock Drainage

Thanks!

Mel

Here's something on Rosemont Copper Project EIS that I'd like you to see. To go directly to the item, click the link below or paste it into your web browser. Please note that some email clients require that all the letters and numbers in the link appear on one line, or else it won't go to the right place.

<<https://rosemonteis.webexone.com/r.asp?a=12&id=22832>>

From: [Melissa Reichard](#)
Sent By: [rosemonteis](#)
To: [tskinner@fs.fed.us](#); [sldavis@fs.fed.us](#); [gmckay@fs.fed.us](#); [sgriset@swca.com](#); [tfurgason@swca.com](#); [rbowers@swca.com](#); [mjfitch@fs.fed.us](#); [jezzo@swca.com](#); [tciapusci@fs.fed.us](#); [awcampbell@fs.fed.us](#); [beverson@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [teuler@swca.com](#); [aelek@fs.fed.us](#); [wgillespie@fs.fed.us](#); [hschewel@fs.fed.us](#); [ccoyle@swca.com](#); [jderby@fs.fed.us](#); [mfarrell@fs.fed.us](#); [khouser@swca.com](#); [wkeyes@fs.fed.us](#); [dkriegel@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [temmett@fs.fed.us](#); [gsoroka@swca.com](#); [ccleblanc@fs.fed.us](#); [ecuriel@fs.fed.us](#); [ljones02@fs.fed.us](#); [kpohs@swca.com](#); [hhall@swca.com](#); [mbidwell@swca.com](#); [rellis@swca.com](#); [dmorrow@swca.com](#); [jconnell@swca.com](#); [rmraley@fs.fed.us](#); [dkeane@swca.com](#); [klgraves@fs.fed.us](#); [daleortmanpe@live.com](#); [kellett@fs.fed.us](#); [devinquintana@fs.fed.us](#); [rlaford@fs.fed.us](#); [rlefevre@fs.fed.us](#); [abelauskas@fs.fed.us](#); [mreichard@swca.com](#); [kserrato@swca.com](#); [dsebesta@fs.fed.us](#); [cbellavia@swca.com](#)
Cc: [Melissa Reichard](#)
Subject: Issues & Themes
Date: 02/20/2009 03:06 PM

Hi Everyone! I have uploaded everything you should need for your IDT assignments from this Wednesday's meeting. If you have any issues with files, let me know. I would recommend first, going to the Tracking Sheet and looking for your name in the "Assigned to" column. Please note that if you don't see that column, look at the bottom of the Excel file and be sure you are on the "Assignments" tab. I added what notes came from the meeting. If you have anything else, let me know.

Mel

To go directly to the item, click the link below or paste it into your web browser. Please note that some email clients require that all the letters and numbers in the link appear on one line, or else it won't go to the right place.

<<https://rosemonteis.webexone.com/r.asp?a=12&id=22832>>

From: [Larry Jones](#)
To: [Deborah K Sebesta](#); [Josh Taiz](#); [Anne Casey](#); [Glenn P Frederick](#); [Richard A Gerhart](#); [Glenn Klingler](#); [Melinda Castillo](#); [Sherry Tune](#); [Paula Medlock](#); [Erin M Boyle](#); [Melinda Castillo](#); [Cat Crawford@fws.gov](#); [tsnow@azqfd.gov](#); [Richard A Gerhart](#); [Debby Kriegel](#); [Christopher C LeBlanc](#); [Robert Lefevre](#); [Wade Parac](#); [Jennifer Ruyle](#); [Melissa Shafiqullah](#); [Salek Shafiqullah](#); [Randall A Smith](#); [jim_rorabaugh@fws.gov](#); [trevor@skyislandalliance.org](#); [dhodges@skyislandalliance.org](#); [mark_crites@fws.gov](#); [doug_duncan@fws.gov](#); [Marit Alanen@fws.gov](#); [eumops@yahoo.com](#); [rossh@rionuevo.com](#); [rlewellyn@heg-inc.com](#); [gsoroka@swca.com](#); [rebeccat33@earthlink.net](#); [mgoode@ag.arizona.edu](#); [Marty Tuegel@fws.gov](#); [jjoneswest@aol.com](#); [jscott@azqfd.gov](#); [James Atkinson@fws.gov](#); [bgebow@tnc.org](#); [dennis@caldwell-design.com](#); [dturner@tnc.org](#)
Cc: [Janet Jones](#)
Subject: Joneses Halloween Soiree! 25 Oktober
Date: 10/10/2008 10:31 AM
Attachments: [jones_halloween_casa_arana.jpg](#)

Hey friends....it's the funnest and scariest time of year...time for halloween at Casa Araña (the Jonestead)...be there or be square! or be Spongebob Squarepants...just be something and show up! please RSVP...my home email is best at gilaman@comcast.net.



[jones_halloween_casa_arana.jpg](#)

Larry Jones
Wildlife, Fish, and Rare Plants
Coronado National Forest
300 W Congress
Tucson, AZ 85701

520-388-8375
ljones02@fs.fed.us

From: [Beverley A Everson](mailto:Beverley.A.Everson)
To: [Melissa Reichard](mailto:Melissa.Reichard)
Cc: abelauskas@fs.fed.us; aelek@fs.fed.us; dkriegel@fs.fed.us; dsebesta@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; kellett@fs.fed.us; klgraves@fs.fed.us; ljones02@fs.fed.us; mfarrell@fs.fed.us; rosemonteis; rlaford@fs.fed.us; rlefevre@fs.fed.us; sldavis@fs.fed.us; sshafiqullah@fs.fed.us; tciapusci@fs.fed.us; temmett@fs.fed.us; teresa@ciapusci.com; tfurgason@swca.com; wgillespie@fs.fed.us; wkeyes@fs.fed.us
Subject: July 15 IDT meeting and team homework
Date: 07/13/2009 11:20 AM
Attachments: [Brief Rationale for Ranking Rosemont Copper Mine Alternatives.doc](#)

Hi Everyone,

First of all, I want to thank each of you for your very hard work and diligence in alternative development and refinement. You've put a lot of thought and energy into putting together the alternatives that we will be recommending to Jeanine for consideration in the EIS.

We will be having a short core team meeting (9:00 to 12:00, in 6V6) that will include a presentation by Rosemont Copper Company of maps showing placement of the tailings and waste per our alternatives. Their work is a refinement of Dale's maps and volume calculations for the disposal placements. The company will also be addressing some concerns with the alternative placements, such as placement of tailings and waste on mineralized ground. Following Rosemont's presentation we'll have a presentation of the 3D diagrams for Alternative 6.

Although this is a core team meeting, I encourage participation by extended team members.

Homework (assigned at last Wednesday's IDT meeting): please review the alternatives table Melissa sent out Thursday (see below), and provide your thoughts on how the alternatives address each of the significant issues. As Melissa requests, post your modified tables to WebEx so that she can consolidate the tables. This work is due by close of business on the 15th, and should capture the rationale you used in scoring the alternatives per issue. Here's an example of what I'm looking for (kudos for Larry for getting this done so quickly!)

Larry Jones
Wildlife, Fish, and Rare Plants
Coronado National Forest
300 W Congress
Tucson, AZ 85701

520-388-8375
ljones02@fs.fed.us

You should also start reviewing the issue statements that Mindee sent out. Mindee will be leading the meeting on the 22nd while I'm on leave that week. I will follow this message with another email discussing details of that meeting.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest

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Melissa Reichard <mreichard@swca.com>
Sent by: rosemonteis <notify@weboffice.com>

07/09/2009 09:42 AM

To kbrown03@fs.fed.us, beverson@fs.fed.us, kellett@fs.fed.us,
dkriegel@fs.fed.us, sshafiqullah@fs.fed.us, dsebesta@fs.fed.us,
wkeyes@fs.fed.us, aelek@fs.fed.us, temmett@fs.fed.us,
gmckay@fs.fed.us, ljones02@fs.fed.us, mfarrell@fs.fed.us,
abelauskas@fs.fed.us, riefevre@fs.fed.us, tciapusci@fs.fed.us,
jable@fs.fed.us, sldavis@fs.fed.us, rlaford@fs.fed.us,
tfurgason@swca.com, wgillespie@fs.fed.us, teresa@ciapusci.com,
klgraves@fs.fed.us, ecuriel@fs.fed.us

cc

Subject Alternatives Rating Table

This is the table that all of you were trying to rate in yesterday's meeting. Remember that if you want to post your information that Bev has requested, you must download the document, save as the doc name with your initials and then you can upload your new version. Let me know if you have any questions.

Thanks!

Mel

<<https://rosemonteis.webexone.com/r.asp?a=5&id=147697>>

From: [Beverley A Everson](mailto:Beverley.A.Everson)
To: [Beverley A Everson](mailto:Beverley.A.Everson)
Cc: abelauskas@fs.fed.us; aelek@fs.fed.us; dkriegel@fs.fed.us; dsebesta@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; kellett@fs.fed.us; klgraves@fs.fed.us; ljones02@fs.fed.us; mfarrell@fs.fed.us; [Melissa Reichard](mailto:Melissa.Reichard); rosemonteis; rlaford@fs.fed.us; rlfevre@fs.fed.us; slDavis@fs.fed.us; sshafiqullah@fs.fed.us; tcapusci@fs.fed.us; temmett@fs.fed.us; teresa@ciapusci.com; tfurgason@swca.com; wgillespie@fs.fed.us; wkeyes@fs.fed.us
Subject: July 22 Rosemont IDT meeting agenda
Date: 07/13/2009 11:54 AM
Attachments: [07222009_agenda.xml](#)

Forwarded from Mindee -

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Coronado National Forest
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Tucson, AZ. 85701

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From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Cc: [Andrea W Campbell](#); [Arthur S Elek](#); ccoyle@swca.com; [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [John Able](#); [Kendall Brown](#); [Kent C Ellett](#); [Larry Jones](#); [Marc Kaplan](#); mreichard@SWCA.com; [Reta Laford](#); [Robert Lefevre](#); [S@FSNOTES](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Tami Emmett](#); tfurgason@swca.com; [Walter Keyes](#); [William B Gillespie](#)
Subject: July 8 Rosemont Copper Project Extended IDT Meeting
Date: 07/06/2009 12:59 PM

Please plan on attending this meeting, as your participation is important in terms of alternative development and refinement. The meeting will be in 4B, from 9:00 to 4:30. Part of the meeting will include a presentation from Rosemont Copper Company on mitigation they've developed in response to scoping comments and issues.

You should also have completed your Bounds of Analysis review for your specialty by COB on the 8th..

See you Wednesday.

Bev

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From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Cc: [Andrea W Campbell](#); [Arthur S Elek](#); ccoyle@swca.com; [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [John Able](#); [Kendall Brown](#); [Kent C Ellett](#); [Larry Jones](#); [Marc Kaplan](#); mreichard@SWCA.com; [Reta Laford](#); [Robert Lefevre](#); [S@FSNOTES](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Tami Emmett](#); tfurgason@swca.com; [Walter Keyes](#); [William B Gillespie](#)
Subject: June 10 Rosemont Copper Project Extended IDT Meeting
Date: 06/03/2009 07:15 PM

Hi Team,

This is to let you know that we will have a morning meeting of the extended IDT on June 10 in 4B, 9:00 to 12:00. John Able will be introducing you to the new project website that will be up and running very soon. The website will have a user-friendly searchable comments database that I would like to get your feedback on.

On another subject, you've all been notified of the technical reports submitted by Rosemont over the past couple of months that are available on WebEx. You should all be reading and reviewing the reports in your resource areas. As a reminder, remember that I have hard copies of the reports that I am happy to share with you if you need them (I am not passing them out to everyone as I have limited copies, but can get more copies as needed).

See you on the 10th.

Bev

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Tucson, AZ. 85701

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To: [Beverley A Everson](#)
Cc: [Andrea W Campbell](#); [Arthur S Elek](#); ccoyle@swca.com; [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [John Able](#); [Kendall Brown](#); [Kent C Ellett](#); [Larry Jones](#); [Marc Kaplan](#); [Mary M Farrell](#); mreichard@SWCA.com; [Reta Laford](#); [Robert Lefevre](#); [S@FSNOTES](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Tami Emmett](#); tfurgason@swca.com; [Walter Keyes](#); [William B Gillespie](#)
Subject: June 24 Rosemont Copper Project Core IDT meeting MOVED TO SWCA OFFICE
Date: 06/23/2009 01:00 PM

We will be meeting at the SWCA office tomorrow instead of 4B.

Beverley A. Everson
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300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

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Fax: 520-388-8305

From: [Andrea W Campbell](#)
To: [Carl Ostermann](#)
Cc: [Alan Belauskas](#); [Beverley A Everson](#); [Bradley W Gillespie](#); [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Jeanine Derby](#); [John Able](#); [Kendall Brown](#); [Larry Jones](#); [Mary M Farrell](#); [Reta Laford](#); [Robert Lefevre](#); [Salek Shafiqullah](#); [Sandra L Roberts](#); [Sarah L Davis](#); [Shane Lyman](#); [Tami Emmett](#); [Teresa Ann Ciapusci](#); [Walter Keyes](#)
Subject: Letter to SWCA re: Rosemont Document Printing
Date: 01/09/2009 01:51 PM
Attachments: [Furgason.doc](#)
[2005 09 22 Template Setting Quick Reference.pdf](#)
[2005 09 Southwestern Region EIS Template.pdf](#)
[2005 09 Using MS-Word to Create Documents for Publishing.pdf](#)
[2007 02 02 FSH 1609.11 10 Publications Management Handbook.pdf](#)

TA,

Suggest you also provide SWCA/Tom with contact info for Sandra Roberts at the RO. This is the approach I took with the Safford Rec Res EIS. Sometimes nuances about what is needed to make a document ready for RO printing aren't captured in handbooks and manuals.

Sandra also has a form that you have to fill out and have approved by Jeanine if there are color graphics to be copied.

a



Andrea Wargo Campbell
Forest NEPA Coordinator
Forest FOIA Officer

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Supervisor's Office
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Tucson, Arizona 85701

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Cell: 520-237-0694

**Carl
Ostermann/R3/USDAFS**

01/09/2009 08:04 AM

To Sandra L Roberts/R3/USDAFS@FSNOTES, Jeanine Derby/R3/USDAFS@FSNOTES, Reta Laford/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, John Able/R3/USDAFS@FSNOTES, Andrea W Campbell/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES, Walter Keyes/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Sarah L Davis/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Robert Lefevre/R3/USDAFS@FSNOTES, Andrea W Campbell/R3/USDAFS@FSNOTES, Shane Lyman/R3/USDAFS@FSNOTES, Eli Curiel/R3/USDAFS@FSNOTES, Christopher C LeBlanc/R3/USDAFS@FSNOTES, Bradley W Gillespie/R1/USDAFS@FSNOTES, Mary M Farrell/R3/USDAFS@FSNOTES, Alan Belauskas/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES

cc

Subject Your "cc" of the Jan 6, 2008 Letter and attachments to Tom Furgason SWCA - (Jan 6, 2008 message you received for this letter did not work correctly)



Furgason.doc



2005 09 22 Template Setting Quick Reference.pdf



2005 09 Southwestern Region EIS Template.pdf



2005 09 Using MS-Word to Create Documents for Publishing.pdf



2007 02 02 FSH 1609.11_10 Publications Management Handbook.pdf

From: [Melissa Reichard](#)
Sent By: [rosemonteis](#)
To: [rgerhart@fs.fed.us](#); [sldavis@fs.fed.us](#); [awcampbell@fs.fed.us](#); [sgriset@swca.com](#); [tfurgason@swca.com](#); [rbowers@swca.com](#); [gmckay@fs.fed.us](#); [mjfitch@fs.fed.us](#); [tciapuci@fs.fed.us](#); [mrobertson@swca.com](#); [beverson@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [wgillespie@fs.fed.us](#); [jhesse@swca.com](#); [klgraves@fs.fed.us](#); [aelek@fs.fed.us](#); [treeder@swca.com](#); [jhider@swca.com](#); [hschewel@fs.fed.us](#); [ccoyle@swca.com](#); [jderby@fs.fed.us](#); [mfarrell@fs.fed.us](#); [khouser@swca.com](#); [wkeyes@fs.fed.us](#); [mthrash@swca.com](#); [sshafiqullah@fs.fed.us](#); [temmett@fs.fed.us](#); [gsoroka@swca.com](#); [tklarson@swca.com](#); [ecuriel@fs.fed.us](#); [ljones02@fs.fed.us](#); [devinquintana@fs.fed.us](#); [rmraley@fs.fed.us](#); [mbidwell@swca.com](#); [rellis@swca.com](#); [jconnell@swca.com](#); [ccleblanc@fs.fed.us](#); [dkeane@swca.com](#); [mroth@fs.fed.us](#); [daleortmanpe@live.com](#); [kellett@fs.fed.us](#); [lcaret77@msn.com](#); [bschneid@email.arizona.edu](#); [rlaford@fs.fed.us](#); [rlefevre@fs.fed.us](#); [abelauskas@fs.fed.us](#); [kkertell@swca.com](#); [dkriegel@fs.fed.us](#); [mreichard@swca.com](#); [bgaddis@swca.com](#); [kserrato@swca.com](#); [dsebesta@fs.fed.us](#); [cbellavia@swca.com](#)
Cc: [Melissa Reichard](#)
Subject: List of Reports Submitted by Rosemont Copper Co.
Date: 07/22/2009 08:15 AM

There were some errors in the link that Tom provided. Please use this to look at the list of reports submitted by Rosemont.

Thanks!

<<https://rosemonteis.webexone.com/r.asp?a=5&id=150661>>

From: [Tom Furgason](#)
Sent By: [rosemonteis](#)
To: [rgerhart@fs.fed.us](#); [sldavis@fs.fed.us](#); [gmckay@fs.fed.us](#); [mthrash@swca.com](#); [cbellavia@swca.com](#); [rmraley@fs.fed.us](#); [tfurgason@swca.com](#); [rbowers@swca.com](#); [mjfitch@fs.fed.us](#); [tciapusci@fs.fed.us](#); [awcampbell@fs.fed.us](#); [beverson@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [jhesse@swca.com](#); [klgraves@fs.fed.us](#); [aelek@fs.fed.us](#); [treeder@swca.com](#); [wgillespie@fs.fed.us](#); [hschewel@fs.fed.us](#); [jderby@fs.fed.us](#); [mfarrell@fs.fed.us](#); [khouser@swca.com](#); [wkeyes@fs.fed.us](#); [dkriegel@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [jgrams@swca.com](#); [temmett@fs.fed.us](#); [gsoroka@swca.com](#); [cclleblanc@fs.fed.us](#); [ecuriel@fs.fed.us](#); [ljones02@fs.fed.us](#); [ehornung@swca.com](#); [kpohs@swca.com](#); [sgriset@swca.com](#); [tklarson@swca.com](#); [Dale Ortman](#); [hhall@swca.com](#); [mbidwell@swca.com](#); [rellis@swca.com](#); [jconnell@swca.com](#); [dkeane@swca.com](#); [mroth@fs.fed.us](#); [daleortmanpe@live.com](#); [kellett@fs.fed.us](#); [lccgarrett77@msn.com](#); [bschneid@email.arizona.edu](#); [rlaford@fs.fed.us](#); [mrobertson@swca.com](#); [rlefevre@fs.fed.us](#); [abelauskas@fs.fed.us](#); [kkertell@swca.com](#); [mreichard@swca.com](#); [bgaddis@swca.com](#); [kserrato@swca.com](#); [dsebesta@fs.fed.us](#); [devinquintana@fs.fed.us](#)
Cc: [Tom Furgason](#)
Subject: List of Reports Submitted by Rosemont Copper Co.
Date: 07/21/2009 02:22 PM

All-

Kathy Arnold sent us a list of 81 technical reports that have been submitted to the Forest Service in support of the proposed Rosemont Copper Project (<https://rosemonteis.webexone.com/r.asp?a=5&id=150661>) . SWCA is looking at this list to ensure that we have all of these reports in the Admin Record. We'll also review our records to see if we have any reports that are not included on this list. Please take a few minutes to review this document and identify any reports that pertain to your area of expertise.

It is my understanding that Bev should have two hard copies of each report. Alternatively, many of these reports are posted in WebEx; however, there may be a few instances where we did not receive electronic copies or they have not been posted. SWCA will either post copies or contact Rosemont and request electronic copies. We'll discuss the file structure and use of WebEx at the next extended ITD meeting. For SWCA employees, please contact Melissa or me if you have any difficulties locating any of these reports.

Tom Furgason

Program Director
[SWCA Environmental Consultants](#)
343 West Franklin Street
Tucson, AZ 85701
(520) 325-9194 ext. 110
(520) 820-5178 mobile
(520) 325-2033 fax

From: [Kent C Ellett](#)
To: [John Able](#); [Alan Belauskas](#); [Kendall Brown](#); [Teresa Ann Ciapusci](#); [Eli Curiel](#); [Sara L Davis](#); [Andrea W Campbell](#); [Jeanine Derby](#); [Arthur S Elek](#); [Tami Emmett](#); [Beverley A Everson](#); [Mary M Farrell](#); [William B Gillespie](#); [Janet Jones](#); [Larry Jones](#); [Walter Keyes](#); [Debby Kriegel](#); [Reta LaFord](#); [Christopher C LeBlanc](#); [Robert Lefevre](#); [George McKay](#); [Devin Quintana](#); [Roxane M Raley](#); [Heidi Schewel](#); [Pete Schwab](#); [Deborah K Sebesta](#); [Salek Shafiqullah](#); [cbellavia@swca.com](#); [mbidwell@swca.com](#); [rbowers@swca.com](#); [jconnell@swca.com](#); [ccoyle@swca.com](#); [gdunno@swca.com](#); [rellis@swca.com](#); [censle@swca.com](#); [tfurgason@swca.com](#); [lccgarrett77@msn.com](#); [jgrams@swca.com](#); [sgriset@swca.com](#); [hhall@swca.com](#); [jhesse@swca.com](#); [choag@srk.com](#); [kkertell@swca.com](#); [sknox@swca.com](#); [sleslie@swca.com](#); [jmacivor@swca.com](#); [rebecca.a.miller@mwhglobal.com](#); [lmitchell@swca.com](#); [dmorey@swca.com](#); [hgachiri@swca.com](#); [daleortmanpe@live.com](#); [kpohs@swca.com](#); [mreichard@swca.com](#); [kserrato@swca.com](#); [gsoroka@swca.com](#)
Cc: [Carl Ostermann](#)
Subject: March meetings.
Date: 03/03/2009 01:54 PM

Hi all, I'm sending this on behalf of Bev, the Rosemont ID Team Lead.

The meeting scheduled for tomorrow, **March 4**, has been **cancelled**.

March 13 - a call-in meeting for the Core ID Team has been scheduled for **3:00 p.m.** at SWCA. The SWCA Conference Call number is (866)866-2244. The passcode is: 9550668. This is a "meeting to prepare for a meeting". We'll briefly review the Issue Statements, check progress and ensure we are prepared for the larger meeting scheduled for **March 18 at 9:00 a.m.** to be held at the Coronado NF Supervisor's Office in room 6V6. In the event that room is not large enough we will move down to room 4B. Those to attend on the 18th are the Core ID Team members and an invitation is to any extended ID Team member that needs to be involved or has a stake in the Issue Statements, which should be quite a few of the extended team folks.

Charles will send out the Issue Statements a couple days prior to the 18th so each attendee can review and be familiar with the Issue Statements and be prepared for the meeting on the 18th. Any edits or changes to the Issue Statements will be made following the meeting on the 18th and be ready to share with the Stakeholders on **March 30th at 1:00 p.m. in room 4B** at the Supervisor's Office.

Following the 30th, **SWCA** will prepare a letter for Jeanine, explaining the Rosemont project scoping process and summarizing the proposed relevant issues to be carried through the EIS.

Buzz, would you double check on the meeting rooms availability?

Thanks,

Kent C. Ellett
District Ranger, Nogales RD
303 Old Tucson Road, Nogales, AZ 85621
520-761-6002 (w), 520-975-0902 (cell)

From: [Beverley A Everson](#)
To: [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [gmckay@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [kellett@fs.fed.us](#); [ljones02@fs.fed.us](#); [Mary M Farrell](#); [Melinda D Roth](#); [mreichard@swca.com](#); [rlefevre@fs.fed.us](#); [sldavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [temmett@fs.fed.us](#); [tfurgason@swca.com](#); [Walter Keyes](#); [wgillespie@fs.fed.us](#)
Subject: Matrix/ Issue Overlap Table
Date: 09/04/2009 04:49 PM
Attachments: [Issue Resource Matrix.docx](#)

In case you need the matrix.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 09/04/2009 04:48 PM -----

Melinda D Roth/R3/USDAFS

To Beverley A Everson/R3/USDAFS@FSNOTES

cc

08/25/2009 03:37 PM

Subject Issue Overlap Table

Use this one. It's formatted to fit 8 1/2 X 11 paper...

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

From: [Beverley A Everson](#)
To: tfurgason@swca.com; ccoyle@swca.com; mreichard@swca.com; [Robert Lefevre](#); [Salek Shafiqullah](#); [Melinda D Roth](#)
Subject: meeting to discuss specialist communication with Bounds of Analysis
Date: 07/09/2009 03:35 PM

Charles,

Yesterday Bob Lefevre and Salek brought to my attention that they had only recently received some information from SWCA that was necessary for their Bounds of Analysis reviews. Apparently there was some breakdown in communication with transmission of the needed information. I've asked that the four of us meet next Wednesday at 8:00 to talk about the issue and strategize to facilitate better communication between FS and SWCA specialists in the future. Tom and I discussed the meeting time and date, and it sounds like you're available to join us by teleconference next Wednesday at 8:00.

Salek, I need to confirm your availability also. The plan is to meet in 6V6.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [Beverley A Everson](#)
To: [Robert Lefevre](#)
Subject: meeting with SWCA air quality specialist
Date: 08/28/2008 11:15 AM

Hi Bob,

I just left you a voicemail, but you may not be able to understand it. Your outgoing message was very garbled, and it sounds like we are having phone problems. I'm wondering if you are available to meet on September 9 instead of the 11th with the air quality specialist? We had talked about the 11th as a meeting date on the bus, but as it turns out, I won't be available that day, and I would like to sit in on the discussion.

Please let me know. I'm working at home today, and can be reached by cell (444.4605).

Thanks.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [Melissa Reichard](#)
Sent By: [rosemonteis](#)
To: [sldavis@fs.fed.us](#); [gmckay@fs.fed.us](#); [ehornung@swca.com](#); [sgriset@swca.com](#); [tfurgason@swca.com](#); [rbowers@swca.com](#); [mjfitch@fs.fed.us](#); [tciapusci@fs.fed.us](#); [awcampbell@fs.fed.us](#); [beverson@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [jhesse@swca.com](#); [klgraves@fs.fed.us](#); [aelek@fs.fed.us](#); [wgillespie@fs.fed.us](#); [hschewel@fs.fed.us](#); [ccoyle@swca.com](#); [jderby@fs.fed.us](#); [mfarrell@fs.fed.us](#); [khouser@swca.com](#); [wkeyes@fs.fed.us](#); [dkriegel@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [jgrams@swca.com](#); [temmett@fs.fed.us](#); [gsoroka@swca.com](#); [ccleblanc@fs.fed.us](#); [ecuriel@fs.fed.us](#); [ljones02@fs.fed.us](#); [kpohs@swca.com](#); [hhall@swca.com](#); [mbidwell@swca.com](#); [rellis@swca.com](#); [jconnell@swca.com](#); [rmraley@fs.fed.us](#); [dkeane@swca.com](#); [mroth@fs.fed.us](#); [daleortmanpe@live.com](#); [kellett@fs.fed.us](#); [lccgarrett77@msn.com](#); [devinquintana@fs.fed.us](#); [rlaford@fs.fed.us](#); [rlefevre@fs.fed.us](#); [abelauskas@fs.fed.us](#); [kkertell@swca.com](#); [mreichard@swca.com](#); [bgaddis@swca.com](#); [kserrato@swca.com](#); [dsebesta@fs.fed.us](#); [cbellavia@swca.com](#)
Subject: More Tech Reports!
Date: 05/14/2009 04:19 PM

Here's something on Rosemont Copper Project EIS that I'd like you to see. To go directly to the item, click the link below or paste it into your web browser. Please note that some email clients require that all the letters and numbers in the link appear on one line, or else it won't go to the right place.

<https://rosemonteis.webexone.com/r.asp?a=3&id=10226>

From: [Melissa Reichard](#)
Sent By: [rosemonteis](#)
To: [sldavis@fs.fed.us](#); [gmckay@fs.fed.us](#); [ehornung@swca.com](#); [sgriset@swca.com](#); [tfurgason@swca.com](#); [rbowers@swca.com](#); [mjfitch@fs.fed.us](#); [tciapusci@fs.fed.us](#); [awcampbell@fs.fed.us](#); [beverson@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [jhesse@swca.com](#); [klgraves@fs.fed.us](#); [aelek@fs.fed.us](#); [wgillespie@fs.fed.us](#); [hschewel@fs.fed.us](#); [ccoyle@swca.com](#); [jderby@fs.fed.us](#); [mfarrell@fs.fed.us](#); [khouser@swca.com](#); [wkeyes@fs.fed.us](#); [dkriegel@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [jgrams@swca.com](#); [temmett@fs.fed.us](#); [gsoroka@swca.com](#); [ccleblanc@fs.fed.us](#); [ecuriel@fs.fed.us](#); [ljones02@fs.fed.us](#); [kpohs@swca.com](#); [hhall@swca.com](#); [mbidwell@swca.com](#); [rellis@swca.com](#); [jconnell@swca.com](#); [rmraley@fs.fed.us](#); [dkeane@swca.com](#); [mroth@fs.fed.us](#); [daleortmanpe@live.com](#); [kellett@fs.fed.us](#); [lccgarrett77@msn.com](#); [devinquintana@fs.fed.us](#); [rlaford@fs.fed.us](#); [rlefevre@fs.fed.us](#); [abelauskas@fs.fed.us](#); [kkertell@swca.com](#); [mreichard@swca.com](#); [bgaddis@swca.com](#); [kserrato@swca.com](#); [dsebesta@fs.fed.us](#); [cbellavia@swca.com](#)
Subject: More Tech Reports!
Date: 05/14/2009 04:18 PM

Here's something on Rosemont Copper Project EIS that I'd like you to see. To go directly to the item, click the link below or paste it into your web browser. Please note that some email clients require that all the letters and numbers in the link appear on one line, or else it won't go to the right place.

<https://rosemonteis.webexone.com/r.asp?a=3&id=10226>

From: [Heidi Schewel](#)
To:
Bcc: [Robert Lefevre](#)
Subject: News Release: Coronado National Forest to Prepare Environmental Impact Statement for Rosemont Copper Project
Date: 03/11/2008 04:00 PM
Attachments: [rosemont-noi-news-release_031108.pdf](#)

For Immediate Release Contact: Heidi Schewel (520) 388-8484

Coronado National Forest to Prepare Environmental Impact Statement for Rosemont Copper Project

(TUCSON, ARIZONA, March 11, 2008) Coronado National Forest Supervisor Jeanine Derby submitted a Notice of Intent for publication in the Federal Register to initiate preparation of an Environmental Impact Statement (EIS) for the proposed Rosemont Copper Project.

The EIS will disclose the potential environmental and social effects anticipated as a result of the proposed Rosemont Mine Plan of Operation (MPO), including construction and operation of an open-pit mine and related facilities, and will determine if the Forest Plan must be amended to allow such mining activities. In addition, the EIS may evaluate other connected actions related to the MPO, such as construction of roads and utilities.

As proposed, the Rosemont Copper Project would be located 30 miles southeast of Tucson, in Pima County, on approximately 995 acres of private land, 3,670 acres of National Forest land, 15 acres of land administered by the Bureau of Land Management, and 75 acres of State Trust land.

While the Forest Service assumes the role of lead agency in preparation of the EIS, many other federal, state, and local government agencies with jurisdiction may also participate. To assist with preparation of the EIS, the Forest Service has selected SWCA Environmental Consultants based in Phoenix, Arizona. The proponent, Rosemont Copper Company, is responsible for the cost of preparing the EIS.

A draft EIS may be available for public review by March, 2009, with a final EIS projected for completion by November, 2009.

The Forest Service encourages public participation in the EIS process. Three initial public open-house meetings are scheduled this month, as follows:

1. March 18, 2008, Pima Community College Desert Vista Campus, 5901 South Calle Santa Cruz, Tucson, Arizona. 7:00 p.m. - 9:00 p.m.
2. March 19, 2008, Canoa Hills Recreation Center, 3660 South Camino del Sol, Green Valley, Arizona, 6:30 p.m. - 8:30 p.m.
3. March 20, 2008, Patagonia Union High School, Highway 82, Patagonia, Arizona, 6:00 p.m.- 8:00 p.m.

Other meetings may be scheduled as needed.

Alternatively, for those who do not attend meetings, an initial public comment period

runs through April 18, 2008. Agencies or individuals can submit comments by mail, FAX, or email as follows:

Mail comments to Team Leader, Rosemont Copper Project, Coronado National Forest, 300 W. Congress St., Tucson, Arizona 85701

FAX comments to (520) 388-8305, ATTN: Rosemont Team Leader

Or email to comments-southwestern-coronado@fs.fed.us

For questions about the public meetings or the comment period, the public can call (520) 388-8300.

Questions about the EIS process should be directed to Ms. Andrea Campbell, Forest NEPA Coordinator, at 300 W. Congress St., Tucson, AZ 85701, or telephone (520) 388-8300.

Additional information about the proposed Rosemont Copper Project, including the Notice of Intent, is available online at www.fs.fed.us/r3/coronado/rosemont.



[rosemont-noi-news-release 031108.pdf](#)

Heidi Schewel
Coronado National Forest
Media Officer, Fire Information
Communications and Technology Team
Collateral: FOET Chair
(520) 749-7720 FAX (520) 749-7723
hschewel@fs.fed.us

From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Cc: [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [gmckay@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [kellett@fs.fed.us](#); [ljones02@fs.fed.us](#); [Mary M Farrell](#); [rlefevre@fs.fed.us](#); [sldavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [temmett@fs.fed.us](#); [wgillespie@fs.fed.us](#); [Walter Keyes](#); [turgason@fs.fed.us](#); [mreichard@swca.com](#); [Melinda D Roth](#)
Subject: No IDT meeting this week. PLEASE PLAN ON A FULL DAY MEETING ON AUGUST 12, BOTH CORE AND EXTENDED
Date: 08/03/2009 04:35 PM

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Cc: [Alan Belauskas](#); [Andrea W Campbell](#); [Arthur S Elek](#); ccoyle@swca.com; [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [Janet Jones](#); [John Able](#); [Keith L Graves](#); [Kendall Brown](#); [Kent C Ellett](#); [Larry Jones](#); [Mary M Farrell](#); mriechar@SWCA.com; [Reta Laford](#); [Robert Lefevre](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Tami Emmett](#); [Teresa Ann Ciapusci](#); tfurgason@swca.com; [Walter Keyes](#); [William B Gillespie](#)
Subject: No Rosemont IDT meeting tomorrow
Date: 04/28/2009 12:39 PM

I will be sending a second message concerning work that you can be doing before our next meeting. Thanks.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [Beverley A Everson](#)
To: [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [gmckay@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [kellett@fs.fed.us](#); [ljones02@fs.fed.us](#); [Mary M Farrell](#); [Melinda D Roth](#); [mreichard@swca.com](#); [rlefevre@fs.fed.us](#); [sldavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [Tami Emmett](#); [tfurgason@swca.com](#); [Walter Keyes](#); [William B Gillespie](#)
Subject: One more project status update item
Date: 09/11/2009 05:38 PM
Attachments: [Test Plot Summary.pdf](#)

Please see the information from Kathy Arnold, below. This concerns revegetation testing that Rosemont Copper is doing in the project area.

Beverley A. Everson
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300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 09/11/2009 05:35 PM -----

Kathy Arnold
<karnold@rosemontcopper.com>

To Beverley A Everson <beverson@fs.fed.us>
cc Jamie Sturgess <jsturgess@augustaresource.com>

09/10/2009 07:22 AM

Subject FW: Test Plot Summary

Bev –

For your information in case you have further questions. The test plots are located near our Hidden Valley Offices (T18S R16E Section 21 NE4), and the other is between the proposed pit and our proposed substation location (T18S R16E Section 30 near the middle of the NW4).

Cheers!

Kathy

Kathy

Kathy Arnold | Director of Environmental and Regulatory Affairs

Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724

karnold@rosemontcopper.com



Rosemont Copper Company

P.O. Box 35130 | Tucson, AZ 85740-5130

3031 West Ina Road | Tucson, AZ 85741 | www.rosemontcopper.com

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intended recipient, please delete all copies and notify us immediately.

From: Holly Lawson

Sent: Thursday, September 03, 2009 4:11 PM

To: Dennis Fischer; Fermin Samorano; Kathy Arnold; Jeff Cornoyer; Kelly Medlock; Lance Newman; Oscar White; Rod Pace; Scott Walston; Jamie Sturgess

Subject: Test Plot Summary

Hello,

I have attached the test plot summary, updated with revisions. Please read through the summary and let me know if you find any changes that need to be made.

Thank you,

Holly

From: [Melissa Reichard](#)
To: sldavis@fs.fed.us; [Melinda D Roth](#)
Cc: [Beverley A Everson](#); [Teresa Ann Ciapusci](#); [Tom Furgason](#)
Subject: One small change on record schema
Date: 11/13/2009 09:29 AM
Attachments: [20091113_Record_Schema.docx](#)

I added a sub-category for Scoping Reports because they really didn't seem to fit anywhere else. I updated and attached the schema.

Thanks!

Melissa Reichard

Project Administrator
SWCA Environmental Consultants
343 West Franklin Street
Tucson, Arizona 85701
(520)325-9194, (520)325-2033 fax

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*"Man's mind, once stretched by a new idea, never regains its original dimensions." -
Oliver Wendell Holmes*

From: [Craig P. Wilcox](#)
To: [Robert Lefevre](#)
Subject: PERP mailing list
Date: 01/09/2009 09:50 PM
Attachments: [NOI Mailing labels.doc](#)

Bob,

According to Andrea the printing and production of CDs will be handled by the RO, once we have the document ready and they have a process for us to follow (may be that is what you attached). The mailing list will be based on the current Forest mailing list, it has several categories. We will also add names from the original mailing list (or vice versa). Andrea wants us to first send a letter out asking peoples preference of paper, CD or web copies. This implies that they will have to respond to the letter. This is a bit of an additional burden on the public and opens a potential for lost letters etc. But it could save us some money since it will be an expensive document. I assume that even though the RO has the printing contract, the Forest still pays for. Mary will have to write to the Tribe's as well, unless we already know their preference (likely).

I have the original NOI mailing list, also it should be in the record (which I hope Randall still has). I have attached it below, if Paula wants to take charge of that. It needs to be updated with address updates and additional names. I have asked Roxane Riley to send me the Forest mailing list, but I haven't heard back from her. Their are also the governmental agencies but Andrea has their preference already.



NOI Mailing labels.doc

I also contacted Sandra Roberts at the RO but haven't heard back from her either, but it was during the holidays. She is the contact for printing DEISs and document process questions. Andrea suggested that I call her. I'll do that when I get back.

Hopefully, I got all of your questions answered. I guess this must have come up during the staff meeting. Sorry I missed it. Andrea has sent Ch 1&2 of her comments in to Chris but still has Chapter 3 to do. Some substantial comments. I don't see Chris getting it done as soon as we wished to have the RO review started. But her comments were really helpful and may save time in the long run.

Craig

Craig Wilcox, Forest Silviculturist
Coronado National Forest
711 S. 14th Ave., Suite D
Safford, AZ 85546
928-348-1961 work
928-965-1782 cell
cpwilcox@fs.fed.us
▼ [Robert Lefevre/R3/USDAFS](#)

**Robert
Lefevre/R3/USDAFS**

To Craig P Wilcox/R3/USDAFS@FSNOTES

cc

01/09/2009 08:19 AM Subject Fw: Your "cc" of the Jan 6, 2008 Letter and attachments to Tom Furgason SWCA - (Jan 6, 2008 message you received for this letter did not work correctly)

Craig, hopefully you open this in spite of the subject line. I trust you are enjoying the training session. You and Chris may already be on the right track for this, but I saw some email about the printing work that will be needed for PERP, and that work will have to follow these same guidelines.

With that in mind, where are we in getting the printing work accomplished? I understood that we were going to contact interested parties and ask them if they wanted a hard copy, electronic (CD) version, or merely a location to find it on the web. Who has the mailing list, and have we started that process? Thanks.

Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373

----- Forwarded by Robert Lefevre/R3/USDAFS on 01/09/2009 08:15 AM -----

Carl Ostermann/R3/USDAFS

01/09/2009 08:04 AM

To Sandra L Roberts/R3/USDAFS@FSNOTES, Jeanine Derby/R3/USDAFS@FSNOTES, Reta Laford/R3/USDAFS@FSNOTES, Teresa Ann Ciapucci/R3/USDAFS@FSNOTES, John Able/R3/USDAFS@FSNOTES, Andrea W Campbell/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES, Walter Keyes/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Sarah L Davis/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Robert Lefevre/R3/USDAFS@FSNOTES, Andrea W Campbell/R3/USDAFS@FSNOTES, Shane Lyman/R3/USDAFS@FSNOTES, Eli Curiel/R3/USDAFS@FSNOTES, Christopher C LeBlanc/R3/USDAFS@FSNOTES, Bradley W Gillespie/R1/USDAFS@FSNOTES, Mary M Farrell/R3/USDAFS@FSNOTES, Alan Belauskas/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES

cc

Subject Your "cc" of the Jan 6, 2008 Letter and attachments to Tom Furgason SWCA - (Jan 6, 2008 message you received for this letter did not work correctly)

[attachment "Furgason.doc" deleted by Craig P Wilcox/R3/USDAFS]
[attachment "2005 09 22 Template Setting Quick Reference.pdf"
deleted by Craig P Wilcox/R3/USDAFS] [attachment "2005 09
Southwestern Region EIS Template.pdf" deleted by Craig P
Wilcox/R3/USDAFS] [attachment "2005 09 Using MS-Word to
Create Documents for Publishing.pdf" deleted by Craig P
Wilcox/R3/USDAFS]
[attachment "2007 02 02 FSH 1609.11_10 Publications Management
Handbook.pdf" deleted by Craig P Wilcox/R3/USDAFS]

From: [Beverley A Everson](#)
To: abelauskas@fs.fed.us; aelek@fs.fed.us; dkriegel@fs.fed.us; dsebesta@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; kellett@fs.fed.us; ljones02@fs.fed.us; [Mary M Farrell](#); [Melinda D Roth](mailto:Melinda_D_Roth); mreichard@swca.com; rlefevre@fs.fed.us; sldavis@fs.fed.us; sshafiqullah@fs.fed.us; temmett@fs.fed.us; tfurgason@swca.com; [Walter Keyes](#); wgillespie@fs.fed.us
Subject: Pima County 1 of 2, comments on alternatives
Date: 09/03/2009 05:39 PM
For Follow Up: Normal Priority.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

<<https://rosemonteis.webexone.com/r.asp?a=5&id=153344>>

From: [Beverley A Everson](#)
To: abelauskas@fs.fed.us; aelek@fs.fed.us; dkriegel@fs.fed.us; dsebesta@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; kellest@fs.fed.us; ljones02@fs.fed.us; [Mary M Farrell](#); [Melinda D Roth](#); mreichard@swca.com; rlefevre@fs.fed.us; sldavis@fs.fed.us; sshafiqullah@fs.fed.us; temmett@fs.fed.us; tfurgason@swca.com; [Walter Keyes](#); wgillespie@fs.fed.us
Subject: Pima County 2 of 2, comments on alternatives
Date: 09/03/2009 05:40 PM
For Follow Up: Normal Priority.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

<<https://rosemonteis.webexone.com/r.asp?a=5&id=153346>>

From: [Melissa Reichard](#)
Sent By: [rosemonteis](#)
To: kscox@swca.com; sldavis@fs.fed.us; gmckay@fs.fed.us; sgriset@swca.com; tfurgason@swca.com; rbowers@swca.com; jezzo@swca.com; tciapusci@fs.fed.us; awcampbell@fs.fed.us; beverson@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; klbourgart@fs.fed.us; teuler@swca.com; wjillespie@fs.fed.us; hschewel@fs.fed.us; tskinner@fs.fed.us; mfarrell@fs.fed.us; khouser@swca.com; wkeyes@fs.fed.us; dkriegel@fs.fed.us; sshafiullah@fs.fed.us; temmett@fs.fed.us; gsoroka@swca.com; cclleblanc@fs.fed.us; ecuriel@fs.fed.us; ljones02@fs.fed.us; kpohs@swca.com; hhall@swca.com; mbidwell@swca.com; rellis@swca.com; jconnell@swca.com; rmraley@fs.fed.us; klgraves@fs.fed.us; daleortmanpe@live.com; devinquintana@fs.fed.us; rlaford@fs.fed.us; rlefevre@fs.fed.us; abelauskas@fs.fed.us; mreichard@swca.com; kserrato@swca.com; dsebesta@fs.fed.us; cbellavia@swca.com
Subject: Please complete your contact information
Date: 10/07/2008 10:41 AM

Here's something on Rosemont Copper Project EIS that I'd like you to see. To go directly to the item, click the link below or paste it into your web browser. Please note that some email clients require that all the letters and numbers in the link appear on one line, or else it won't go to the right place.

<https://rosemonteis.webexone.com/r.asp?a=3&id=9994>

From: [Melissa Reichard](#)
To: sldavis@fs.fed.us; [Melinda D Roth](#)
Cc: [Beverley A Everson](#); [Teresa Ann Ciapusci](#)
Subject: Pre-NEPA record
Date: 11/16/2009 01:59 PM

Could you send me the electronic index? A note in the record states that it is filed at :
fsfiles/office/so/eng/geology/minerals/dz/augusta_research

Thanks!

Melissa Reichard

Project Administrator
SWCA Environmental Consultants
343 West Franklin Street
Tucson, Arizona 85701
(520)325-9194, (520)325-2033 fax

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*"Man's mind, once stretched by a new idea, never regains its original dimensions." -
Oliver Wendell Holmes*

From: [Melissa Reichard](#)
To: [Melinda D Roth](#); sldavis@fs.fed.us
Cc: [Teresa Ann Ciapusci](#); [Beverley A Everson](#); [Tom Furgason](#); [Melissa Reichard](#)
Subject: Project Record questions
Date: 11/11/2009 03:55 PM
Attachments: [20091111_Record_Schema.docx](#)
[Record Question & Requests_Tracking.docx](#)

Mindee/Sarah-

I am so excited about the guidance! Thanks for your work on getting it to me. I would like you to take a look at the enclosed documents and provide feedback. Please let me know when you will be able to provide the answers to the questions and when I can expect the other things I requested. I am sure that I will have more requests as time goes on.

Thanks for your help!

Melissa Reichard
Project Administrator
SWCA Environmental Consultants
343 West Franklin Street
Tucson, Arizona 85701
(520)325-9194, (520)325-2033 fax

Sound Science. Creative Solutions.

*"Man's mind, once stretched by a new idea, never regains its original dimensions." -
Oliver Wendell Holmes*

From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Cc: [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [gmckay@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [kellett@fs.fed.us](#); [ljones02@fs.fed.us](#); [Mary M Farrell](#); [Melinda D Roth](#); [mreichard@swca.com](#); [rlefevre@fs.fed.us](#); [sldavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [Tami Emmett](#); [turgason@swca.com](#); [Walter Keyes](#); [William B Gillespie](#)
Subject: Project status update
Date: 09/11/2009 05:30 PM
Attachments: [RCC Sept 10, 2009 Project Status Summary.doc](#)
[2009 09 17 DRAFT Agenda.pdf](#)

We did not have a project status update in the IDT meeting on Wednesday, so here is a briefing:

Rosemont Copper Company staff, Jeanine Derby, Reta Laford, Rick Gerhart, Game and Fish staff, and I met yesterday for the bimonthly (twice a month) meeting (usually just between the company and FS) project status update. The meeting agenda is attached.

There will be a cooperating agency meeting on September 17; the draft agenda is attached. Please let Teresa Ann know if you are interested in attending the meeting.

There will be a technology transfer meeting for stormwater discharge design (presented by Rosemont Consultant Tetra Tech) on September 22.

SWCA's Scoping Report 3 (on Issue Statement development), is currently under review.

Kent, can you brief the team on the latest EPG meeting, and tell us the date of the next meeting? If anyone else is working on something with the project that they would like to share, please do so.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [Jeanine Derby](#)
To: [Beverley A Everson](#); [Faye Fentiman](#); [Andrea W Campbell](#); [Salek Shafiqullah](#); [Keith L Graves](#); [Roger D Congdon](#)
Cc: [Michael A Linden](#); [Mark E Schwab](#); [Randall A Smith](#); [Robert Lefevre](#); [Reta Laford](#)
Subject: Public Scoping Meetings for Rosemont Copper proposal
Date: 02/28/2008 01:01 PM

Our contractor has scheduled public scoping meetings for evenings of March 18 (Tucson), March 19 (Green Valley) and March 20 (Patagonia). I would like those people in the "to" line above to attend the meetings. Anyone else is also welcome. Beverly will see that locations and times are sent out next week.

This meeting will be an open house format, with Forest personnel, company personnel and experts and SWCA (contractor) personnel staffing different tables where people can go to address specific interests.

Keith, I'm asking you to arrange with Steve Edwards to have LE lingering nearby in case of need.

More info coming. See me for any conflicts. Thanks.

Jeanine Derby, Forest Supervisor
Coronado National Forest
phone: 520 388-8306
FAX: 520 388-8305

From: [Beverley A Everson](#)
To: [Robert Lefevre](#)
Subject: Re: Issues & Themes; work assignments
Date: 02/23/2009 08:47 AM

Yup, March 11 is the date scheduled for the next extended team meeting. I will be on leave but Kent Ellett will be filling in behind me and will lead the meeting, as well as any work that the team is doing outside of meetings. I don't know exactly what work the team will be doing then as we're waiting for Issue Statement development from SWCA, and they are behind schedule.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

▼ [Robert Lefevre/R3/USDAFS](#)

**Robert
Lefevre/R3/USDAFS**

To: Beverley A Everson/R3/USDAFS@FSNOTES
cc

02/20/2009 04:39 PM

Subject: Re: Issues & Themes; work assignments 

I'm still confused, Bev. Is the next extended team meeting still March 11?

Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373

▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A
Everson/R3/USDAFS**

To: Arthur S Elek/R3/USDAFS@FSNOTES, ccoyle@swca.com, Christopher C LeBlanc/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Eli Curiel/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Heidi Schewel/R3/USDAFS@FSNOTES, Janet Jones/R3/USDAFS@FSNOTES, John Able/R3/USDAFS@FSNOTES, Keith L Graves/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, Kent C

02/20/2009 03:54 PM

Ellett/R3/USDAFS@FSNOTES, Larry
Jones/R3/USDAFS@FSNOTES, Mary M
Farrell/R3/USDAFS@FSNOTES, mriechar@SWCA.com,
Reta Laford/R3/USDAFS@FSNOTES, Robert
Lefevre/R3/USDAFS@FSNOTES, Salek
Shafiqullah/R3/USDAFS@FSNOTES, Sarah L
Davis/R3/USDAFS@FSNOTES, Tami
Emmett/R3/USDAFS@FSNOTES, Teresa Ann
Ciapusci/R3/USDAFS@FSNOTES, tfurgason@swca.com,
Walter Keyes/R3/USDAFS@FSNOTES, William B
Gillespie/R3/USDAFS@FSNOTES

cc

Subject Issues & Themes; work assignments

Team, please consider this as the work assignments that I referenced in the email I sent out a short while ago. Also, sorry about the subject line on the last message - I had copied from an earlier message to the team, and it was no doubt confusing...

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 02/20/2009 03:52 PM -----

Melissa Reichard
<mreichard@swca.com>
Sent by: rosemonteis
<notify@weboffice.com>

02/20/2009 03:05 PM

To tskinner@fs.fed.us, sldavis@fs.fed.us,
gmckay@fs.fed.us, sgriset@swca.com,
tfurgason@swca.com, rbowers@swca.com,
mjfitch@fs.fed.us, jezzo@swca.com,
tciapusci@fs.fed.us, awcampbell@fs.fed.us,
beverson@fs.fed.us, jable@fs.fed.us,
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khouser@swca.com, wkeyes@fs.fed.us,
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daleortmanpe@live.com, kellett@fs.fed.us,
devinquintana@fs.fed.us, rlaford@fs.fed.us,
rlefevre@fs.fed.us, abelauskas@fs.fed.us,
mreichard@swca.com, kserrato@swca.com,
dsebesta@fs.fed.us, cbellavia@swca.com

cc Melissa Reichard <mreichard@swca.com>

Subject Issues & Themes

Hi Everyone! I have uploaded everything you should need for your IDT assignments from this Wednesday's meeting. If you have any issues with files, let me know. I would recommend first, going to the Tracking Sheet and looking for your name in the "Assigned to" column. Please note that if you don't see that column, look at the bottom of the Excel file and be sure you are on the "Assignments" tab. I added what notes came from the meeting. If you have anything else, let me know.

Mel

To go directly to the item, click the link below or paste it into your web browser. Please note that some email clients require that all the letters and numbers in the link appear on one line, or else it won't go to the right place.

<<https://rosemonteis.webexone.com/r.asp?a=12&id=22832>>

From: [Roxane M. Raley](#)
To: [John Able](#)
Cc: [abelauskas@fs.fed.us](#); [awcampbell@fs.fed.us](#); [beverson@fs.fed.us](#); [cbellavia@swca.com](#); [cbleblanc@fs.fed.us](#); [daleortmanpe@live.com](#); [devinquintana@fs.fed.us](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [scuriel@fs.fed.us](#); [gmckay@fs.fed.us](#); [gsoroka@swca.com](#); [hhall@swca.com](#); [hschewel@fs.fed.us](#); [jable@fs.fed.us](#); [jconnell@swca.com](#); [jezzo@swca.com](#); [kbrown03@fs.fed.us](#); [khouser@swca.com](#); [kbourgart@fs.fed.us](#); [kgraves@fs.fed.us](#); [kpohs@swca.com](#); [kscox@swca.com](#); [kserrato@swca.com](#); [ljonas02@fs.fed.us](#); [mbidwell@swca.com](#); [mfarrell@fs.fed.us](#); [mreichard@swca.com](#); [rosemontis](#); [rbowers@swca.com](#); [rellis@swca.com](#); [rlaford@fs.fed.us](#); [rlfevre@fs.fed.us](#); [sgriset@swca.com](#); [slidavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [tclapuse@fs.fed.us](#); [temmett@fs.fed.us](#); [teuler@swca.com](#); [tfurgason@swca.com](#); [tiskinner@fs.fed.us](#); [wgillespie@fs.fed.us](#); [wkeyes@fs.fed.us](#)
Subject: Re: .doc NOT .docx
Date: 10/01/2008 03:31 PM

John,

There is a download on the Forest Service Software Library for this. It is the Microsoft Office Compatibility Pack for Office 2007. It is easy to download. You will be able to save the document in a .doc format, but may lose some of the characters that are not formatable to an earlier version, such as Office 2003.

Roxane



Roxane Raley
Resource Assistant
Ecosystem Management and Planning
R3, Coronado National Forest
300 W Congress, Tucson, AZ 85701
(520) 388-8354
rmrale@fs.fed.us

"Human beings are not things to be motivated and controlled, they are four dimensional - body, mind, heart and spirit."
— Dr. Stephen R. Covey, from *The 7th Habit: From Effectiveness to Greatness*

▼ [John Able <jable@fs.fed.us>](#)

John Able <jable@fs.fed.us>
Sent by: rosemontis <notify@weboffice.com>

10/01/2008 03:15 PM

To: [kscox@swca.com](#), [slidavis@fs.fed.us](#), [gmckay@fs.fed.us](#), [sgriset@swca.com](#), [tfurgason@swca.com](#), [rbowers@swca.com](#), [jezzo@swca.com](#), [tclapuse@fs.fed.us](#), [awcampbell@fs.fed.us](#), [beverson@fs.fed.us](#), [jable@fs.fed.us](#), [kbrown03@fs.fed.us](#), [kbourgart@fs.fed.us](#), [teuler@swca.com](#), [wgillespie@fs.fed.us](#), [hschewel@fs.fed.us](#), [tiskinner@fs.fed.us](#), [mfarrell@fs.fed.us](#), [khouser@swca.com](#), [wkeyes@fs.fed.us](#), [dkriegel@fs.fed.us](#), [sshafiqullah@fs.fed.us](#), [temmett@fs.fed.us](#), [gsoroka@swca.com](#), [cbleblanc@fs.fed.us](#), [ecurriel@fs.fed.us](#), [ljonas02@fs.fed.us](#), [kpohs@swca.com](#), [hhall@swca.com](#), [mbidwell@swca.com](#), [rellis@swca.com](#), [jconnell@swca.com](#), [rmrale@fs.fed.us](#), [kgraves@fs.fed.us](#), [daleortmanpe@live.com](#), [devinquintana@fs.fed.us](#), [rlaford@fs.fed.us](#), [rlfevre@fs.fed.us](#), [abelauskas@fs.fed.us](#), [mreichard@swca.com](#), [kserrato@swca.com](#), [dsebesta@fs.fed.us](#), [cbellavia@swca.com](#)

cc

Subject: .doc NOT .docx

Here's something on Rosemont Copper Project EIS that I'd like you to see. To go directly to the item, click the link below or paste it into your web browser. Please note that some email clients require that all the letters and numbers in the link appear on one line, or else it won't go to the right place.

<https://rosemonteis.webexone.com/r.asp?a=3&id=9985>

From: [Tom Furgason](#)
To: [Robert Lefevre](#); [Charles Coyle](#)
Subject: RE: Air quality data request - AEC.doc
Date: 04/15/2009 02:02 PM

Hi Bob,

We'll be using Noise and Air Solutions (NAS) for the review of Rosemont's work and analysis. Dave Morrow will be providing SWCA's quality control. However, I'd prefer if Charles Coyle were your point of contact for the foreseeable future.

Our contact at NAS is:

Joe D'Onofrio
Noise And Air Solutions Inc
3334 N 6th Ave, Phoenix, AZ 85013-4310
Contact Phone: (602) 265-6550

Tom

From: Robert Lefevre [mailto:rlfevre@fs.fed.us]
Sent: Wednesday, April 15, 2009 8:23 AM
To: Tom Furgason; Charles Coyle
Subject: Fw: Air quality data request - AEC.doc

Tom and Charles: Please clarify who the air quality contact is. I had another name given to me last week or the week before,

Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373

----- Forwarded by Robert Lefevre/R3/USDAFS on 04/15/2009 07:54 AM -----

"David Morrow" <dmorrow@swca.com>

To "Tom Furgason" <tfurgason@swca.com>, "Charles Coyle" <ccoyle@swca.com>, "Robert Lefevre" <rlfevre@fs.fed.us>

04/13/2009 04:52 PM

cc

Subject Air quality data request - AEC.doc

From: [Charles Coyle](#)
To: lcthanukos@aecinc.org
Cc: [Tom Furgason](#); [David Morrow](#); [Robert Lefevre](#); [Melissa Reichard](#)
Subject: RE: Air quality data request - AEC.doc
Date: 04/15/2009 02:39 PM
Attachments: [Air quality data request - AEC.pdf](#)

Dr. Thanukos:

As I mentioned just now, VSI will take the first cut at drafting the air quality sections of the Affected Environment and Environmental Consequences portions of Rosemont EIS. Dave Morrow will then handle all the QA/QC.

Please forward any pertinent AQ data to me, Tom Furgason, and Melissa Reichard so we can get it in our records and also send it on to VSI.

Thank you~

Charles Coyle
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SWCA Environmental Consultants
3033 North Central Ave., Suite 145
Phoenix, AZ 85012

Phone: 602-274-3831 ext. 1108

Fax: 602-274-3958

www.swca.com

Sound Science. Creative Solutions.

From: [Deborah K Sebesta](#)
To: [Larry Jones](#)
Cc: [Beverley A Everson](#); gSOROKA@swca.com; [Richard A Gerhart](#); [Robert Lefevre](#); [Salek Shafiqullah](#); tfurgason@swca.com
Subject: Re: Alternative Ranking Rationale
Date: 07/13/2009 08:48 AM
Attachments: [Brief Rationale for Ranking Rosemont Copper Mine Alternatives.doc](#)

Larry,
I agree with your ranking. It is the essentially the same thing I said.

Debbie Sebesta, District Biologist
Coronado National Forest
Nogales Ranger District
303 Old Tucson Road
Nogales, AZ 85624
Voice: 520-761-6009
Cell: 520-260-7702
Fax: 520-281-2396
E-mail: dsebesta@fs.fed.us

▼ [Larry Jones/R3/USDAFS](#)

**Larry
Jones/R3/USDAFS**

07/13/2009 08:25 AM

To: [Beverley A Everson/R3/USDAFS@FSNOTES](#), [Deborah K Sebesta/R3/USDAFS@FSNOTES](#)
cc: tfurgason@swca.com, [Richard A Gerhart/R3/USDAFS@FSNOTES](#), gSOROKA@swca.com, [Robert Lefevre/R3/USDAFS@FSNOTES](#), [Salek Shafiqullah/R3/USDAFS@FSNOTES](#)
Subject: Alternative Ranking Rationale

Bev and Debbie (et al.)--

As requested at the last IDT meeting for the Rosemont Copper Project, I am attaching a document that includes the rationale for my ranking alternatives as I did during our last exercise. I think this was what you were after, yes?



[Brief Rationale for Ranking Rosemont Copper Mine Alternatives.doc](#)

Larry Jones
Wildlife, Fish, and Rare Plants
Coronado National Forest
300 W Congress
Tucson, AZ 85701

520-388-8375

ljones02@fs.fed.us

From: [Robert Lefevre](#)
To: [Rion Bowers](#)
Cc: [tfurgason@swca.com](#); [ccoyle@swca.com](#); [Larry Jones](#); [Salek Shafiqullah](#); [Beverley A Everson](#)
Bcc: [Robert Lefevre](#)
Subject: Re: bio.pdf
Date: 07/08/2009 04:52 PM

Hi, Rion. Thanks for sending me the maps for riparian and water resources bounds of analysis. I am working with Salek and Larry on a response. Before you get too far, I need to tell that the bounds are way too restrictive. I want to propose a larger area that will take into consideration the groundwater changes that will affect springs and consequently surface water and riparian areas after they dig the pit. I'll be sending a shapefile.

Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373

▼ ["Rion Bowers" <rbowers@swca.com>](mailto:rbowers@swca.com)

"Rion Bowers"
<rbowers@swca.com> To <rlefevre@fs.fed.us>
cc
07/07/2009 11:35 AM Subject bio.pdf

[attachment "bio.pdf" deleted by Robert Lefevre/R3/USDAFS]

From: [Rion Bowers](#)
To: [Robert Lefevre](#)
Cc: [Tom Furgason](#); [Charles Coyle](#); [Larry Jones](#); [Salek Shafiqullah](#); [Beverley A Everson](#); [Dale Ortman PE](#)
Subject: RE: bio.pdf
Date: 07/09/2009 07:46 AM
Attachments: [groundwater.pdf](#)
[Water Resources Bounds.pdf](#)

Bob,

The water resources bounds of analysis map is based on the rational presented in the attached memorandum. This memo covers onsite and offsite surface and ground water resources. You have the surface water map, and I have attached the proposed ground water bounds map as well. I believe this information was previously provided to Salek, so he should also have it for review. I hope you find this information helpful. Looking forward to your comments.

Thanks,

Rion

Rion J. Bowers
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SWCA Environmental Consultants
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Tucson, Arizona 85701
e-mail: rbowers@swca.com
Phone: (520) 325-9194
Fax: (520) 325-2033

From: Robert Lefevre [<mailto:rlfevre@fs.fed.us>]
Sent: Wednesday, July 08, 2009 4:53 PM
To: Rion Bowers
Cc: Tom Furgason; Charles Coyle; Larry Jones; Salek Shafiqullah; Beverley A Everson
Subject: Re: bio.pdf

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Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373

"Rion Bowers" <rbowers@swca.com>

To <rlfevre@fs.fed.us>
cc

07/07/2009 11:35 AM

Subject bio.pdf

[attachment "bio.pdf" deleted by Robert Lefevre/R3/USDAFS]

From: [Beverley A Everson](#)
To: [Reta Laford](#)
Cc: [Alan Belauskas](#); [Andrea W Campbell](#); [Arthur S Elek](#); ccoyle@swca.com; [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curriel](#); [George McKay](#); [Heidi Schewel](#); [Janet Jones](#); [John Able](#); [Keith L Graves](#); [Kendall Brown](#); [Kent C Ellett](#); [Larry Jones](#); [Mary M Farrell](#); mreichard@SWCA.com; [Reta Laford](#); [Robert Lefevre](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Tami Emmett](#); [Teresa Ann Ciapusci](#); tfurgason@swca.com; [Walter Keyes](#); [William B Gillespie](#)
Subject: Re: Concern w/Agenda -Re: dry stack tailings technology presentation, May 12
Date: 05/06/2009 04:12 PM

My reasoning for the schedule is that I think that there will be distinct audiences for each of the two presentations, depending on level of expertise in the subject matter. Cooperating agencies can choose to attend the presentation that they can best benefit from, and I imagine that some of them will want to hear the more technical presentation, and some the less technical version. I put the more technical presentation in the morning because the presenter, and Roger Congdon from the R.O., both have time constraints in the afternoon due to travel scheduling, and I preferred to not have the longer presentation straddle the lunch hour.

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Fax: 520-388-8305

▼ [Reta Laford/R3/USDAFS](#)

**Reta
Laford/R3/USDAFS**

05/06/2009 03:49 PM

To: Beverley A Everson/R3/USDAFS@FSNOTES
cc: Alan Belauskas/R3/USDAFS@FSNOTES, Andrea W Campbell/R3/USDAFS@FSNOTES, Arthur S Elek/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES, ccoyle@swca.com, Christopher C LeBlanc/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Eli Curriel/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Heidi Schewel/R3/USDAFS@FSNOTES, Janet Jones/R3/USDAFS@FSNOTES, John Able/R3/USDAFS@FSNOTES, Keith L Graves/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, Kent C Ellett/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES, Mary M Farrell/R3/USDAFS@FSNOTES, mreichard@SWCA.com, Robert Lefevre/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Sarah L Davis/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Reta Laford/R3/USDAFS@FSNOTES

Subject: Concern w/Agenda -Re: dry stack tailings technology presentation, May 12 

Bev - The order of things seem a bit out of whack. Shouldn't the general intro be first, and then the more techie types can hang around for the deeper stuff? The order as proposed seems predisposed, intentional or unintentional, to exclude and/or prevent meaningful participation by cooperating agencies. I suggest reconsideration of the presentation order.

Reta Laford, Deputy Forest Supervisor

USDA Forest Service, Coronado National Forest
300 W Congress Street, Tucson, AZ 85701

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Fax: 520-388-8305
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▼ Beverley A Everson/R3/USDAFS

**Beverley A
Everson/R3/USDAFS**

05/06/2009 02:07 PM

To: Beverley A Everson/R3/USDAFS@FSNOTES
cc: Alan Belauskas/R3/USDAFS@FSNOTES, Andrea W Campbell/R3/USDAFS@FSNOTES, Arthur S Elek/R3/USDAFS@FSNOTES, ccoyle@swca.com, Christopher C LeBlanc/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Eli Curiel/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Heidi Schewel/R3/USDAFS@FSNOTES, Janet Jones/R3/USDAFS@FSNOTES, John Able/R3/USDAFS@FSNOTES, Keith L Graves/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, Kent C Ellett/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES, Mary M Farrell/R3/USDAFS@FSNOTES, mreichard@SWCA.com, Reta Laford/R3/USDAFS@FSNOTES, Robert Lefevre/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Sarah L Davis/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Kent C Ellett/R3/USDAFS@FSNOTES, Reta Laford/R3/USDAFS@FSNOTES

Subject: dry stack tailings technology presentation, May 12 

There will be a presentation by Rosemont consultants on dry stack tailings technology in 1K on the 12th. The presentation is being broken into two parts, to accomodate folks with technical background in this area, and those without that kind of expertise. The more technical presentation is from 9:00 to 12:00, and the other

presentation at 1:00, for approximately one half hour.

Although this is not a scheduled IDT meeting, I strongly encourage attendance, to facilitate everyone's understanding of the proposed operation.

Hope to see you there.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [Arthur S Elek](#)
To: [Reta Laford](#)
Cc: [Alan Belauskas](#); [Andrea W Campbell](#); [Beverley A Everson](#); ccoyle@swca.com; [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [Janet Jones](#); [John Able](#); [Keith L Graves](#); [Kendall Brown](#); [Kent C Ellett](#); [Larry Jones](#); mreichard@SWCA.com; [Reta Laford](#); [Robert Lefevre](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Tami Emmett](#); [Teresa Ann Ciapusci](#); tfurgason@swca.com; [Walter Keyes](#); [William B Gillespie](#)
Subject: Re: Concern w/Agenda -Re: dry stack tailings technology presentation, May 12
Date: 05/06/2009 04:12 PM
Importance: High

Makes sense to me. Please inform of any changes.
Thanks

ART ELEK
Fire Prevention Officer
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Nogales AZ. 85621
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▼ [Reta Laford/R3/USDAFS](#)

**Reta
Laford/R3/USDAFS**

05/06/2009 03:49 PM

To: [Beverley A Everson/R3/USDAFS@FSNOTES](#)
cc: [Alan Belauskas/R3/USDAFS@FSNOTES](#), [Andrea W Campbell/R3/USDAFS@FSNOTES](#), [Arthur S Elek/R3/USDAFS@FSNOTES](#), [Beverley A Everson/R3/USDAFS@FSNOTES](#), ccoyle@swca.com, [Christopher C LeBlanc/R3/USDAFS@FSNOTES](#), [Debby Kriegel/R3/USDAFS@FSNOTES](#), [Deborah K Sebesta/R3/USDAFS@FSNOTES](#), [Eli Curiel/R3/USDAFS@FSNOTES](#), [George McKay/R3/USDAFS@FSNOTES](#), [Heidi Schewel/R3/USDAFS@FSNOTES](#), [Janet Jones/R3/USDAFS@FSNOTES](#), [John Able/R3/USDAFS@FSNOTES](#), [Keith L Graves/R3/USDAFS@FSNOTES](#), [Kendall Brown/R3/USDAFS@FSNOTES](#), [Kent C Ellett/R3/USDAFS@FSNOTES](#), [Larry Jones/R3/USDAFS@FSNOTES](#), [Mary M Farrell/R3/USDAFS@FSNOTES](#), mreichard@SWCA.com, [Robert Lefevre/R3/USDAFS@FSNOTES](#), [Salek Shafiqullah/R3/USDAFS@FSNOTES](#), [Sarah L Davis/R3/USDAFS@FSNOTES](#), [Tami Emmett/R3/USDAFS@FSNOTES](#), [Teresa Ann Ciapusci/R3/USDAFS@FSNOTES](#), tfurgason@swca.com, [Walter Keyes/R3/USDAFS@FSNOTES](#), [William B Gillespie/R3/USDAFS@FSNOTES](#), [Reta Laford/R3/USDAFS@FSNOTES](#)

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Reta Laford, Deputy Forest Supervisor

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Fax: 520-388-8305

Email: rlaford@fs.fed.us

▼ Beverley A Everson/R3/USDAFS

**Beverley A
Everson/R3/USDAFS**

05/06/2009 02:07 PM

To: Beverley A Everson/R3/USDAFS@FSNOTES
cc: Alan Belauskas/R3/USDAFS@FSNOTES, Andrea W Campbell/R3/USDAFS@FSNOTES, Arthur S Elek/R3/USDAFS@FSNOTES, ccoyle@swca.com, Christopher C LeBlanc/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Eli Curiel/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Heidi Schewel/R3/USDAFS@FSNOTES, Janet Jones/R3/USDAFS@FSNOTES, John Able/R3/USDAFS@FSNOTES, Keith L Graves/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, Kent C Ellett/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES, Mary M Farrell/R3/USDAFS@FSNOTES, mreichard@SWCA.com, Reta Laford/R3/USDAFS@FSNOTES, Robert Lefevre/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Sarah L Davis/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Kent C Ellett/R3/USDAFS@FSNOTES, Reta Laford/R3/USDAFS@FSNOTES

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facilitate everyone's understanding of the proposed operation.

Hope to see you there.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

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Fax: 520-388-8305

From: [Beverley A Everson](#)
To: [Reta Laford](#)
Cc: [Alan Belauskas](#); [Andrea W Campbell](#); [Arthur S Elek](#); ccoyle@swca.com; [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [Janet Jones](#); [John Able](#); [Keith L Graves](#); [Kendall Brown](#); [Kent C Ellett](#); [Larry Jones](#); [Mary M Farrell](#); mreichard@SWCA.com; [Reta Laford](#); [Robert Lefevre](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Tami Emmett](#); [Teresa Ann Ciapusci](#); tfurgason@swca.com; [Walter Keyes](#); [William B Gillespie](#)
Subject: Re: Concern w/Agenda -Re: dry stack tailings technology presentation, May 12
Date: 05/07/2009 05:54 PM

Please plan on the the meeting agenda being reversed, with the lighter presentation from 9:00 to 10:00 (including a half hour for questions), and the high tech presentation and discussion from 10:15 to 1:15. Since we won't be breaking for lunch, feel free to bring one.

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▼ [Reta Laford/R3/USDAFS](#)

**Reta
Laford/R3/USDAFS**

05/06/2009 03:49 PM

To: Beverley A Everson/R3/USDAFS@FSNOTES
cc: Alan Belauskas/R3/USDAFS@FSNOTES, Andrea W Campbell/R3/USDAFS@FSNOTES, Arthur S Elek/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES, ccoyle@swca.com, Christopher C LeBlanc/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Eli Curiel/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Heidi Schewel/R3/USDAFS@FSNOTES, Janet Jones/R3/USDAFS@FSNOTES, John Able/R3/USDAFS@FSNOTES, Keith L Graves/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, Kent C Ellett/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES, Mary M Farrell/R3/USDAFS@FSNOTES, mreichard@SWCA.com, Robert Lefevre/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Sarah L Davis/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Reta Laford/R3/USDAFS@FSNOTES

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▼ Beverley A Everson/R3/USDAFS

**Beverley A
Everson/R3/USDAFS**

05/06/2009 02:07 PM

To: Beverley A Everson/R3/USDAFS@FSNOTES
cc: Alan Belauskas/R3/USDAFS@FSNOTES, Andrea W Campbell/R3/USDAFS@FSNOTES, Arthur S Elek/R3/USDAFS@FSNOTES, ccoyle@swca.com, Christopher C LeBlanc/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Eli Curiel/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Heidi Schewel/R3/USDAFS@FSNOTES, Janet Jones/R3/USDAFS@FSNOTES, John Able/R3/USDAFS@FSNOTES, Keith L Graves/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, Kent C Ellett/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES, Mary M Farrell/R3/USDAFS@FSNOTES, mreichard@SWCA.com, Reta Laford/R3/USDAFS@FSNOTES, Robert Lefevre/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Sarah L Davis/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Kent C Ellett/R3/USDAFS@FSNOTES, Reta Laford/R3/USDAFS@FSNOTES

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Bev

Beverley A. Everson
Forest Geologist
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From: [Melissa Reichard](#)
To: [Beverley A Everson](#); [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [gmckay@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [kellett@fs.fed.us](#); [ljones02@fs.fed.us](#); [Mary M Farrell](#); [Melinda D Roth](#); [rlefevre@fs.fed.us](#); [sldavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [temmett@fs.fed.us](#); [Tom Furgason](#); [Walter Keyes](#); [wgillespie@fs.fed.us](#)
Subject: RE: Cooperating Agency Alternative Docs Now Online
Date: 09/04/2009 12:43 PM

I looked at the way the folder was set up and fixed a couple of things. Everyone should be able to access the CA folder within WebEx now.

Thanks!

Melissa

"Science is organized knowledge. Wisdom is organized life." -Immanuel Kant

From: Beverley A Everson [mailto:beverson@fs.fed.us]
Sent: Friday, September 04, 2009 10:25 AM
To: [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [gmckay@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [kellett@fs.fed.us](#); [ljones02@fs.fed.us](#); [Mary M Farrell](#); [Melinda D Roth](#); [Melissa Reichard](#); [rlefevre@fs.fed.us](#); [sldavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [temmett@fs.fed.us](#); [Tom Furgason](#); [Walter Keyes](#); [wgillespie@fs.fed.us](#)
Subject: Fw: Cooperating Agency Alternative Docs Now Online

Some team members are having problems with WebEx and getting into the Cooperating Agency documents. Here's another option for accessing them, and I'll talk to John Able about the WebEx issues.

Beverley A. Everson
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----- Forwarded by Beverley A Everson/R3/USDAFS on 09/04/2009 10:22 AM -----

John Able <jable@fs.fed.us>
Sent by: johnable23@gmail.com

09/04/2009 09:31 AM

To Heidi Schewel <hschewel@fs.fed.us>

cc Beverley A Everson <beverson@fs.fed.us>, Teresa Ciapusci <tciapusci@fs.fed.us>, mroth@fs.fed.us, Reta Laford <rlaford@fs.fed.us>

Subject Cooperating Agency Alternative Docs Now Online

Barbara put the PDF versions of the alternative docs from the cooperating agencies online at <http://rosemonteis.us/node/390>. (Barbara will work on converting to HTML this weekend.) Thanks to all for the team effort needed to get these all scanned, to me, and online in record time!

John A. Able, Information Steward
Transparency, Collaboration, Knowledge
Coronado National Forest
Text or Voice: 520-405-4256
Twitter: @johnable (work/public/private -- because social media destroys boundaries)

From: [Tom Furgason](#)
To: [Melinda D Roth](#); [Melissa Reichard](#)
Cc: [Reta Laford](#); [Beverley A Everson](#); [Sarah L Davis](#); [Teresa Ann Ciapusci](#)
Subject: RE: Coronado Project Record Protocols
Date: 11/10/2009 02:25 PM

Thank you Sarah and Mindee!

As you may know, SWCA's funding for further work on the AR had been frozen. I'm pleased to let the team know that as of this morning, Jamie has authorized us for funding for an effort that we think will cover the cost of the AR through the DEIS. I'm sure that Melissa's eyes are wide open now!

Tom

From: Melinda D Roth [mailto:mroth@fs.fed.us]
Sent: Tuesday, November 10, 2009 9:43 AM
To: Melissa Reichard; Tom Furgason
Cc: Reta Laford; Beverley A Everson; Sarah L Davis; Teresa Ann Ciapusci
Subject: Fw: Coronado Project Record Protocols

Final Project Record Direction
Thank you Sarah.

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

----- Forwarded by Melinda D Roth/R3/USDAFS on 11/10/2009 09:40 AM -----

Sarah L Davis/R3/USDAFS

To Melinda D Roth/R3/USDAFS@FSNOTES

cc

11/09/2009 12:21 PM

Subject Coronado Project Record Protocols

This version has the changes you recommended. I will continue in the future to do revisions as we learn more. R10 already updated the information re litigation record and litigation reports. I changed it in this version.

Sarah L. Davis, ASLA
Plan Revision Team

Coronado National Forest
TEL 520-388-8458
FAX 520-388-8332

From: [Arthur S Elek](mailto:Arthur.S.Elek@fs.fed.us)
To: [Beverley A Everson](mailto:Beverley.A.Everson@fs.fed.us)
Cc: abelauskas@fs.fed.us; [Beverley A Everson](mailto:Beverley.A.Everson@fs.fed.us); dkriegel@fs.fed.us; dsebesta@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; kellest@fs.fed.us; klgraves@fs.fed.us; ljonas02@fs.fed.us; mfarrell@fs.fed.us; [Melissa Reichard](mailto:Melissa.Reichard@swca.com); rlaford@fs.fed.us; rlefevre@fs.fed.us; sldavis@fs.fed.us; sshafiqullah@fs.fed.us; tciapusci@fs.fed.us; temmett@fs.fed.us; tfurgason@swca.com; wgillespie@fs.fed.us; wkeyes@fs.fed.us
Subject: Re: EIS Chapter 3 outline for your review - attached this time
Date: 08/10/2009 09:24 AM
Attachments: [DRAFT CHAPTER 3 AFFECTED ENVIRONMENT OUTLINE rev 5-19-09.doc](#)

Outstanding! Very nice job, simple, concise, and consistent format.

ART ELEK
Fire Prevention Officer
Nogales Ranger District
303 Old Tucson Road
Nogales AZ. 85621
Office: (520) 761-6010
Cell: (520) 975-7814
Fax: (520) 281-2396
e-mail aelek@fs.fed.us

Beverley A Everson/R3/USDAFS

07/30/2009 12:07 PM

To Beverley A Everson/R3/USDAFS@FSNOTES

cc abelauskas@fs.fed.us, aelek@fs.fed.us, dkriegel@fs.fed.us, dsebesta@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, jable@fs.fed.us, kbrown03@fs.fed.us, kellest@fs.fed.us, klgraves@fs.fed.us, ljonas02@fs.fed.us, mfarrell@fs.fed.us, [Melissa Reichard <mreichard@swca.com>](mailto:Melissa.Reichard@swca.com), rlaford@fs.fed.us, rlefevre@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, tciapusci@fs.fed.us, temmett@fs.fed.us, tfurgason@swca.com, wgillespie@fs.fed.us, wkeyes@fs.fed.us

Subject EIS Chapter 3 outline for your review - attached this time [Link](#)

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

Beverley A Everson/R3/USDAFS

07/30/2009 09:56 AM

To Beverley A Everson/R3/USDAFS@FSNOTES

cc abelauskas@fs.fed.us, aelek@fs.fed.us, dkriegel@fs.fed.us, dsebesta@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, jable@fs.fed.us, kbrown03@fs.fed.us, kellest@fs.fed.us, klgraves@fs.fed.us, ljonas02@fs.fed.us, mfarrell@fs.fed.us, [Melissa](mailto:Melissa.Reichard@swca.com)

Reichard <mreichard@swca.com>, rlaford@fs.fed.us,
rlefevre@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us,
tciapusci@fs.fed.us, temmett@fs.fed.us, tfurgason@swca.com,
wgillespie@fs.fed.us, wkeyes@fs.fed.us

Subject EIS Chapter 3 outline for your review [Link](#)

Enclosed is a draft outline from SWCA of Chapter 3 of the EIS (Affected Environment). Please review the outline and let me know what additions or changes you feel are needed. I would appreciate your response by August 5.

Thank you.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

From: [Mary M Farrell](mailto:Mary.M.Farrell@fs.fed.us)
To: [Beverley A Everson](mailto:Beverley.A.Everson@fs.fed.us)
Cc: abelauskas@fs.fed.us; aelek@fs.fed.us; [Beverley A Everson](mailto:Beverley.A.Everson@fs.fed.us); ccoyle@swca.com; dkriegel@fs.fed.us; dsebesta@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; kellest@fs.fed.us; ljones02@fs.fed.us; mreichard@swca.com; rlefevre@fs.fed.us; sldavis@fs.fed.us; sshafiqullah@fs.fed.us; temmett@fs.fed.us; tfurgason@swca.com; wgillespie@fs.fed.us; wkeyes@fs.fed.us
Subject: Re: Fw: Aug 20 Coop Agency Mtg
Date: 08/14/2009 03:58 PM

sounds like a good idea, and I'd be available the 20th.

Mary M. Farrell
Heritage Program Leader and Tribal Liaison
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8391
(520) 388-8305 (fax)

Beverley A Everson/R3/USDAFS

08/13/2009 03:01 PM

To abelauskas@fs.fed.us, aelek@fs.fed.us, dkriegel@fs.fed.us, dsebesta@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, jable@fs.fed.us, kbrown03@fs.fed.us, kellest@fs.fed.us, ljones02@fs.fed.us, [Mary M Farrell/R3/USDAFS@FSNOTES](mailto:Mary.M.Farrell@fs.fed.us), rlefevre@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, temmett@fs.fed.us, wgillespie@fs.fed.us, wkeyes@fs.fed.us
cc [Beverley A Everson/R3/USDAFS@FSNOTES](mailto:Beverley.A.Everson@fs.fed.us), ccoyle@swca.com, mreichard@swca.com, tfurgason@swca.com

Subject Fw: Aug 20 Coop Agency Mtg

Please read Mindee's message below, concerning the team's participation in the next Cooperating Agency meeting. What do you think of this idea, and if you're in favor of it, would you be willing to participate? FYI, discussions among the biologists would be encouraged, as would all other discussions about the project, however, that would not be the emphasis of the meeting (a biology meeting on August 20th had been discussed previously, and that's why Mindee brings it up; it had not gone to the planning stage yet, and that's why you're hearing about it for the first time, and have not previously been asked if you could participate).

I look forward to getting your input.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 08/13/2009 02:21 PM -----

Melinda D Roth/R3/USDAFS

To Beverley A Everson/R3/USDAFS@FSNOTES

08/13/2009 02:02 PM

cc Teresa Ann Ciapusci/R3/USDAFS@FSNOTES
Subject Aug 20 Coop Agency Mtg

In an effort to address the IDT concerns raised yesterday regarding interfacing with the Cooperating Agencies, TA and I had an idea. Teresa Ann plans to allow time at this month's Coop Agency meeting to ask additional questions about the alternatives, since comments are requested by Aug 28th. The thought is to set up displays after lunch, one for each of the 4 action alternatives, staff each station with one or 2 IDT members, and allow Coops to mill around, similar to an open house, and ask questions of the IDT about the alternatives. (The discussion on biology would be put off since Alternatives is a more timely point of discussion right now) Of course, this would require getting materials together and also getting that info to the webmaster and project record keeper. What do you think?

Mindee Roth
Coronado National Forest
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Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

From: William B Gillespie
To: Beverley A Everson
Cc: abelauskas@fs.fed.us; aelek@fs.fed.us; Beverley A Everson; ccoyle@swca.com; dkriegel@fs.fed.us; dsebesta@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; kellelt@fs.fed.us; ljones02@fs.fed.us; Mary M Farrell; mreichard@swca.com; rlefevre@fs.fed.us; sldavis@fs.fed.us; sshafiqullah@fs.fed.us; temmett@fs.fed.us; tfurgason@swca.com; wkeyes@fs.fed.us
Subject: Re: Fw: Aug 20 Coop Agency Mtg
Date: 08/17/2009 09:48 AM

I'm willing to attend this meeting this meeting and be available for answering questions concerning archaeological sites.

William Gillespie, Archaeologist
Coronado National Forest
300 W Congress
Tucson AZ 85701
Phone 520-388-8392
FAX 520-388-8305

Beverley A Everson/R3/USDAFS

08/13/2009 03:01 PM

To abelauskas@fs.fed.us, aelek@fs.fed.us, dkriegel@fs.fed.us, dsebesta@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, jable@fs.fed.us, kbrown03@fs.fed.us, kellelt@fs.fed.us, ljones02@fs.fed.us, Mary M Farrell/R3/USDAFS@FSNOTES, rlefevre@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, temmett@fs.fed.us, wgillespie@fs.fed.us, wkeyes@fs.fed.us

cc Beverley A Everson/R3/USDAFS@FSNOTES, ccoyle@swca.com, mreichard@swca.com, tfurgason@swca.com

Subject Fw: Aug 20 Coop Agency Mtg

Please read Mindee's message below, concerning the team's participation in the next Cooperating Agency meeting. What do you think of this idea, and if you're in favor of it, would you be willing to participate? FYI, discussions among the biologists would be encouraged, as would all other discussions about the project, however, that would not be the emphasis of the meeting (a biology meeting on August 20th had been discussed previously, and that's why Mindee brings it up; it had not gone to the planning stage yet, and that's why you're hearing about it for the first time, and have not previously been asked if you could participate).

I look forward to getting your input.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
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Tucson, AZ. 85701

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----- Forwarded by Beverley A Everson/R3/USDAFS on 08/13/2009 02:21 PM -----

Melinda D Roth/R3/USDAFS

08/13/2009 02:02 PM

To Beverley A Everson/R3/USDAFS@FSNOTES
cc Teresa Ann Ciapusci/R3/USDAFS@FSNOTES
Subject Aug 20 Coop Agency Mtg

In an effort to address the IDT concerns raised yesterday regarding interfacing with the Cooperating Agencies, TA and I had an idea. Teresa Ann plans to allow time at this month's Coop Agency meeting to ask additional questions about the alternatives, since comments are requested by Aug 28th. The thought is to set up displays after lunch, one for each of the 4 action alternatives, staff each station with one or 2 IDT members, and allow Coops to mill around, similar to an open house, and ask questions of the IDT about the alternatives. (The discussion on biology would be put off since Alternatives is a more timely point of discussion right now) Of course, this would require getting materials together and also getting that info to the webmaster and project record keeper. What do you think?

Mindee Roth
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(520) 396-0715 (cell)
(520) 388-8305 (FAX)

From: [Larry Jones](#)
To: [Ken Kertell](#)
Cc: [Robert Lefevre](#)
Subject: RE: FW: Biological Resource Bounds of Analysis
Date: 07/07/2009 03:37 PM
Attachments: [Bounds of Analysis Biological Resources.doc](#)

Thanks, Ken!

Larry Jones
Wildlife, Fish, and Rare Plants
Coronado National Forest
300 W Congress
Tucson, AZ 85701

520-388-8375

ljones02@fs.fed.us

▼ ["Ken Kertell" <kkertell@swca.com>](mailto:kkertell@swca.com)

"Ken Kertell"
<kkertell@swca.com> To "Larry Jones" <ljones02@fs.fed.us>
cc
07/07/2009 01:54 PM Subject RE: FW: Biological Resource Bounds of Analysis

Larry:

I've made some quick changes to the memo to clarify some of your points and attached the modified version for your use tomorrow. Some of your questions remain unanswered until I can discuss them with others more familiar with the project.

Ken Kertell
Senior Scientist/Project Manager
SWCA Environmental Consultants
343 W. Franklin Street
Tucson, AZ 85701
(520) 325-9194 phone
(520) 325-2033 fax

From: Larry Jones [mailto:ljones02@fs.fed.us]
Sent: Tuesday, July 07, 2009 1:05 PM
To: Ken Kertell
Cc: Deborah K Sebesta; Beverley A Everson
Subject: Re: FW: Biological Resource Bounds of Analysis

Hey Ken--

Sorry this took me forever to get to...been kinda busy. Anyway, find attached some track changes on the document. I gotta admit, I'm a simpleton so I was kinda confused on what this all meant, so my overall recommendation is to put it in simpler terms and favor two-dimensional descriptions that are (at least to me) more intuitive. To me, it read more like a Bounds of Analysis for hydrological function, rather than biological resources. Anyway, pardon all the red ink, I know we are in this together...thanks for asking for the review.

Larry Jones
Wildlife, Fish, and Rare Plants
Coronado National Forest
300 W Congress
Tucson, AZ 85701

520-388-8375
ljones02@fs.fed.us

"Ken Kertell" <kkertell@swca.com>

06/16/2009 10:50 AM

To <ljones02@fs.fed.us>, <dsebesta@fs.fed.us>

cc

Subject FW: Biological Resource Bounds of Analysis

Larry and Debbie:

Attached is the Bounds of Analysis map for biological resources. Please let me know if the action area is appropriate from your perspective.

Ken Kertell
Senior Scientist/Project Manager
SWCA Environmental Consultants

343 W. Franklin Street
Tucson, AZ 85701
(520) 325-9194 phone
(520) 325-2033 fax

From: Ken Kertell
Sent: Thursday, June 11, 2009 3:03 PM
To: 'ljones02@fs.fed.us'; 'dsebesta@fs.fed.us'
Cc: Charles Coyle; Tom Furgason
Subject: Biological Resource Bounds of Analysis

Larry and Debbie:

Attached is the subject document. I should have the associated map by tomorrow.

Ken Kertell
Senior Scientist/Project Manager
SWCA Environmental Consultants
343 W. Franklin Street
Tucson, AZ 85701
(520) 325-9194 phone
(520) 325-2033 fax

[attachment "Biological Resources Bounds of Analysis.doc" deleted by
Larry Jones/R3/USDAFS] [attachment "bio.pdf" deleted by Larry



Jones/R3/USDAFS] Bounds of Analysis_Biological Resources.doc

From: [Walter Keyes](#)
To: [Mary Farrell](#)
Cc: [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [Beverley A Everson](#); [ccoyle@swca.com](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [gmckay@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [kellett@fs.fed.us](#); [klgraves@fs.fed.us](#); [ljones02@fs.fed.us](#); [mfarrell@fs.fed.us](#); [Melissa Reichard](#); [rlaford@fs.fed.us](#); [rlefevre@fs.fed.us](#); [sldavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [tciapusci@fs.fed.us](#); [temmett@fs.fed.us](#); [tfurgason@swca.com](#); [wgillespie@fs.fed.us](#)
Subject: Re: Fw: Issue Statements
Date: 08/14/2009 10:34 AM

I agree with Mary concerning replacement of "siting" with "construction of...", or "disturbance related to construction of...". Good call Mary; you get a week's worth of Jr. Engineer status!

Walt.

.....
Walt Keyes -- Roads Engineer
Coronado National Forest
300 W. Congress, Tucson, AZ 85701
520-388-8416 voice / 260-9567 cell / 388-8334 fax / wkeyes@fs.fed.us
C:\
C:\DOS
C:\DOS\RUN
...RUN\DOS\RUN
.....

Mary Farrell <maryfarrellusfs@gmail.com>

08/14/2009 07:53 AM

To: Beverley A Everson <beverson@fs.fed.us>

cc: abelauskas@fs.fed.us, aelek@fs.fed.us, dkriegel@fs.fed.us, dsebesta@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, jable@fs.fed.us, kbrown03@fs.fed.us, kellett@fs.fed.us, klgraves@fs.fed.us, ljones02@fs.fed.us, mfarrell@fs.fed.us, Melissa Reichard <mreichard@swca.com>, rlaford@fs.fed.us, rlefevre@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, tciapusci@fs.fed.us, temmett@fs.fed.us, tfurgason@swca.com, wgillespie@fs.fed.us, Walter Keyes <wkeyes@fs.fed.us>, ccoyle@swca.com

Subject: Re: Fw: Issue Statements

thanks Bev & Mindee -- I like Bev's suggestions for night skies, and our changes regarding heritage and tribal issues are incorporated. One little thing: several of our issue statements use the phrase "siting of..." facilities. Would it be better to use another word, e.g. construction? I'm not sure how engineers interpret siting, but to me it's just staking something out, and that wouldn't really capture the ground disturbance associated with construction.

From: [Mary Farrell](#)
To: [Beverley A Everson](#)
Cc: [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [gmckay@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [kellett@fs.fed.us](#); [klgraves@fs.fed.us](#); [ljones02@fs.fed.us](#); [mfarrell@fs.fed.us](#); [Melissa Reichard](#); [rlaford@fs.fed.us](#); [rlefevre@fs.fed.us](#); [sldavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [tciapusci@fs.fed.us](#); [temmett@fs.fed.us](#); [tfurgason@swca.com](#); [wgillespie@fs.fed.us](#); [Walter Keyes](#); [ccoyle@swca.com](#)
Subject: Re: Fw: Issue Statements
Date: 08/14/2009 07:53 AM

thanks Bev & Mindee -- I like Bev's suggestions for night skies, and our changes regarding heritage and tribal issues are incorporated. One little thing: several of our issue statements use the phrase "siting of..." facilities. Would it be better to use another word, e.g. construction? I'm not sure how engineers interpret siting, but to me it's just staking something out, and that wouldn't really capture the ground disturbance associated with construction.

Then one big thing: as Debby K has pointed out, our politically correct and administratively appropriate issue statement for Visual Resources don't seem to adequately capture the public's energy and passion for this issue. Could we keep our own objectivity but acknowledge the fervor somehow? It was easier to do this for tribal issues, partly because they were unanimous and partly because their legal status gives their statements added weight-- we know we can't dismiss tribes by ignoring what they've said or dismissing it as being just opinion or superstition. And I realize the general public and organizations don't have the same rights, and that it'd be terribly unwieldy and biased to say something like "The Save the Scenic Santa Ritas organization says that the destruction of the scenery will have severe impacts on tourism and the economy."

Still, I think our issue statements would be more accurate if we could figure out how to pump up visual resources!

Mary

On Thu, Aug 13, 2009 at 5:01 PM, Beverley A Everson <beverson@fs.fed.us> wrote:

I have a couple of suggestions in rereading the statements, 1) under Night Skies, bullet 1, I suggest "reduced visibility of stars, planets and other celestial bodies, and satellites" (the other celestial bodies would include things like asteroids and meteorites), and 2) under Noise and Vibration, "decreased opportunities for solitude, quiet, and other enjoyment of the natural environment for area recreationists, residents, and visitors"

Team, please weigh in, responding to both Mindee and me.

Thank you!

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 08/13/2009 04:49 PM -----

Melinda D Roth/R3/USDAFS

To Beverley A Everson/R3/USDAFS@FSNOTES

cc

08/13/2009 04:15 PM

Subject Issue Statements

I think all comments from Wednesday's IDT meeting are incorporated in this attached version. As I read through it one last time, I found some additional questions or suggestions, which I coded in red text. I also added a brief introduction. After talking to Reta, I took the liberty of reordering the issues to put the drivers up front and I dropped Reclamation Plan as an issue. I hope you're comfortable in forwarding this on to the IDT for final comment. Let me know if you have question, concerns, or other ideas about how to "finalize" this product.

Mindee Roth
Coronado National Forest
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(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

From: [Richard Periman](#)
To: [Sarah L Davis](#)
Subject: Re: Fw: Rosemont Socioeconomics Analysis
Date: 06/09/2009 09:30 AM
Signed by: CN=Richard Periman/OU=R3/O=USDAFS

Sorry I didn't get back to you sooner. I would go with 50 to 60 miles. The overall connections of the mining operation with the local communities is the key, so if there are no communities that will likely have some type of economic connection--workers housing, business connections, major supplier of materials, there is no reason to extend this to 100 miles. There may be some compelling reason that I am unaware of, but I see no need to arbitrarily declare a 100 mile radius. Sure, it might be great for your contractor--she can include a lot of additional material. However, that extensive analysis may not really be needed.

<p>Richard Periman, PhD Social Science-Economic Coord. Ecosystem Analysis & Planning Southwestern Region 333 Broadway, SE Albuquerque, NM 87102 505-842-3225</p>	
--	---

▼ [Sarah L Davis/R3/USDAFS](#)

**Sarah L
Davis/R3/USDAFS**

To: Richard Periman/R3/USDAFS@FSNOTES
cc

06/08/2009 07:13 PM

Subject: Re: Fw: Rosemont Socioeconomics Analysis 

Any new thoughts, I plan to call her again tomorrow (Tuesday). THANKS!

Sarah L. Davis, ASLA
Plan Revision Team
Coronado National Forest
TEL 520-388-8458
FAX 520-388-8332

▼ [Richard Periman/R3/USDAFS](#)

**Richard
Periman/R3/USDAFS**

To: Sarah L Davis/R3/USDAFS@FSNOTES
cc

06/01/2009 08:31 AM

Subject: Re: Fw: Rosemont Socioeconomics Analysis 

At first glance I think 100 miles is about 50 miles too far. But, don't quote me on that. Let me check a couple of things, first. What really should matter is how close are any large population centers, then determine the distance from there. A rule of thumb I and others have used is to use increments of 30 miles, 60 miles, etc. There are a number of ways to determine this.

I will get back to you later today,

Richard



▼ [Sarah L Davis/R3/USDAFS](#)

**Sarah L
Davis/R3/USDAFS**

To Richard Periman/R3/USDAFS@FSNOTES
cc

05/29/2009 04:58 PM

Subject Fw: Rosemont Socioeconomics Analysis

Thanks again for the outline you forwarded to me to give to this contractor doing the Rosemont EIS.

What do you recommend for this current inquiry? I have also sent this on to our team leader, Bev Everson.

I plan to call Cara back on Monday, June 8, when I return from vacation. Thanks!

Sarah L. Davis, ASLA
Plan Revision Team
Coronado National Forest
TEL 520-388-8458
FAX 520-388-8332

----- Forwarded by Sarah L Davis/R3/USDAFS on 05/29/2009 03:55 PM -----

"Cara Bellavia"
<cbellavia@swca.com>

To "Sarah L Davis" <sldavis@fs.fed.us>
cc

05/28/2009 09:23 AM

Subject Rosemont Socioeconomics Analysis

Hi Sarah,

Can we set up a time to chat regarding what the FS would like the bounds of analysis (both spatial and temporal) to be for socioeconomics for the Rosemont Copper mine project? I am hoping we can connect some time next week (the week of June 1)?

In our our draft cause and effect statements, which I understand are not finalized yet, we proposed a 100-mile buffer from the mine to analyze in terms of the spatial bounds.

Let me know when you are available.

Thanks,
Cara

Cara Bellavia
SWCA Environmental Consultants
3033 N. Central Ave., Suite 145
Phoenix, AZ 85012
P 602.274.3831 | F 602.274.3958
www.swca.com

Sound Science. Creative Solutions.

Please consider the environment before printing this email

From: [Richard Periman](#)
To: [Sarah L Davis](#)
Subject: Re: Fw: Rosemont Socioeconomics Analysis
Date: 06/01/2009 08:31 AM
Signed by: CN=Richard Periman/OU=R3/O=USDAFS

At first glance I think 100 miles is about 50 miles too far. But, don't quote me on that. Let me check a couple of things, first. What really should matter is how close are any large population centers, then determine the distance from there. A rule of thumb I and others have used is to use increments of 30 miles, 60 miles, etc. There are a number of ways to determine this.

I will get back to you later today,

Richard



▼ [Sarah L Davis/R3/USDAFS](#)

**Sarah L
Davis/R3/USDAFS**

To: Richard Periman/R3/USDAFS@FSNOTES
cc

05/29/2009 04:58 PM

Subject: Fw: Rosemont Socioeconomics Analysis

Thanks again for the outline you forwarded to me to give to this contractor doing the Rosemont EIS.

What do you recommend for this current inquiry? I have also sent this on to our team leader, Bev Everson.

I plan to call Cara back on Monday, June 8, when I return from vacation. Thanks!

Sarah L. Davis, ASLA
Plan Revision Team
Coronado National Forest
TEL 520-388-8458
FAX 520-388-8332

----- Forwarded by Sarah L Davis/R3/USDAFS on 05/29/2009 03:55 PM -----

"Cara Bellavia"
<cbellavia@swca.com>

To "Sarah L Davis" <sldavis@fs.fed.us>
cc
05/28/2009 09:23 AM Subject Rosemont Socioeconomics Analysis

Hi Sarah,

Can we set up a time to chat regarding what the FS would like the bounds of analysis (both spatial and temporal) to be for socioeconomics for the Rosemont Copper mine project? I am hoping we can connect some time next week (the week of June 1)?

In our our draft cause and effect statements, which I understand are not finalized yet, we proposed a 100-mile buffer from the mine to analyze in terms of the spatial bounds.

Let me know when you are available.
Thanks,
Cara

Cara Bellavia
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Phoenix, AZ 85012
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Sound Science. Creative Solutions.

Please consider the environment before printing this email

From: [Melissa Reichard](#)
To: [Beverley A Everson](#); [Sarah L Davis](#)
Cc: [Melinda D Roth](#); [Tom Furgason](#); [Teresa Ann Ciapusci](#); [Reta Laford](#)
Subject: RE: Fw: trip reports
Date: 12/16/2009 09:50 AM

Ladies-

I think there might be some confusion on my part. All of the resource reports, tech memos, etc are things that my team are putting in the record. I think it is very necessary that if the specialists (FS & SWCA) have meeting notes, comments, reviews, etc that need to go in the record, they need to be the ones to designate that. Besides the intense time crunch that my team is dealing with in compiling this record, I feel pretty strongly that the resource specialists are the ones that should decide what goes in their record for their resource.

For the SWCA team, I have designated a folder labeled "For Record" that they can put files in and alert me so that I pull them off. This eliminates any confusion about what documents are representing work for that resource. If you are instructing your specialists to do otherwise, we need to schedule a small meeting to discuss this and the implications of it.

I look forward to your thoughts!

Melissa

"Science is organized knowledge. Wisdom is organized life." -Immanuel Kant

From: Larry Jones [mailto:ljones02@fs.fed.us]
Sent: Wednesday, December 16, 2009 9:33 AM
To: Beverley A Everson
Cc: Melinda D Roth; Melissa Reichard
Subject: Re: Fw: trip reports

I pdf'ed and put them into WebEx a while back, so according to our last IDT meeting, Melissa would have taken care of including them in the project record.

Larry Jones
Wildlife, Fish, and Rare Plants
Coronado National Forest
300 W Congress
Tucson, AZ 85701

520-388-8375
ljones02@fs.fed.us

Beverley A Everson/R3/USDAFS

12/14/2009 04:23 PM

To Melinda D Roth/R3/USDAFS@FSNOTES, Larry
Jones/R3/USDAFS@FSNOTES

cc

Subject Fw: trip reports

Mindee and Larry,

Did either of you submit these to SWCA for the record, or should I forward them?

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 12/14/2009 04:21 PM -----

Larry Jones/R3/USDAFS

11/06/2009 02:36 PM

To jim_rorabaugh@fws.gov, msredl@azgfd.gov,
jason_douglas@fws.gov, Julia.Fonseca@rfcd.pima.gov,
Mike_Martinez@fws.gov, tfurgason@swca.com,
Marcia_Radke@blm.gov, turner.dennis@azdeq.gov,
lagrignano@azwater.gov, rcasavant@azstateparks.gov,
jsorensen@azgfd.gov, Cat_Crawford@fws.gov,
doug_duncan@fws.gov, Marit_Alanen@fws.gov,
Jeff_Simms@blm.gov, sidner@u.arizona.edu, JWindes@azgfd.gov,
karen.howe@tonation-nsn.gov, tsnow@azgfd.gov,
gsoroka@swca.com, abest@westlandresources.com,
SEhret@azgfd.gov, dtilton@azgfd.gov, mwalton@azgfd.gov, Richard
A Gerhart/R3/USDAFS@FSNOTES, Bobbi L
Barrera/R3/USDAFS@FSNOTES, Deborah K
Sebesta/R3/USDAFS@FSNOTES, kkertell@swca.com,
blindenlaub@westlandresources.com, scott_richardson@fws.gov,
Keith_Hughes@blm.gov, Marjorie.E.Blaine@usace.army.mil
cc Melinda D Roth/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES

Subject trip reports

Rosemont Coop Agency Bios:

Attached are three previous coop agency and FWS biologist field trip reports. We went out with WestLand to talk about their surveys and talk about the proposed Rosemont Copper Mine project and implications for the target taxa (Lesser Long-nosed Bat, talussnails, and Chiricahua Leopard Frogs).

Part of the reason I put together this group email list is because many of the coop agency bios didn't know about the field trips. But, at least I can share the reports and we can plan trips in the future!

[attachment "Microsoft Word - Rosemont Copper Project Bat Field Trip Report.pdf" deleted by Beverley A Everson/R3/USDAFS] [attachment "Microsoft Word - J Sorensen field notes from 9-18-09 Rosemont visit.pdf" deleted by Beverley A Everson/R3/USDAFS] [attachment "Microsoft Word - 09_15_CLF_Field_Notes.pdf" deleted by Beverley A Everson/R3/USDAFS]

Larry Jones
Wildlife, Fish, and Rare Plants
Coronado National Forest
300 W Congress
Tucson, AZ 85701

520-388-8375

ljones02@fs.fed.us

From: [Mary Farrell](#)
To: [Beverley A Everson](#)
Cc: [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [gmckay@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [kellett@fs.fed.us](#); [ljones02@fs.fed.us](#); [Mary M Farrell](#); [Melinda D Roth](#); [mreichard@swca.com](#); [rlefevre@fs.fed.us](#); [sldavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [temmett@fs.fed.us](#); [tfurgason@fs.fed.us](#); [Walter Keyes](#); [wgillespie@fs.fed.us](#)
Subject: Re: Issue Statements - latest version
Date: 08/27/2009 09:38 AM
Attachments: [08182009_final_issue_statementsMMF.docx](#)

thanks, Bev. One recommended change that didn't make it to this version is to change "siting of" to "construction of" mine facilities. See attached version for other grammatical changes that might be necessary to make this work.

Mindee -- is there some rule that says we have to use so many namby pamby qualifiers in issue statements? e.g. the mine "MAY affect visual resources..." or "MAY affect cultural resources..." or "POTENTIAL effects MAY include..." From a non-NEPA person's perspective, this sounds ridiculous. I'd recommend using the subjunctive "would" -- if the mine is constructed, heritage resources WOULD be affected...." It'd sound more logical and less loco, if NEPA regs allow.

I have a couple other suggestions for sentence structure as shown in the attached.

Say, Bev, now that I'm looking more closely at your forwarding note -- did you want us to comment on these? Maybe not!

Mary

On Wed, Aug 26, 2009 at 5:44 PM, Beverley A Everson <beverson@fs.fed.us> wrote:

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 08/26/2009 05:43 PM

Melinda D
Roth/R3/USDAFS

08/24/2009 12:34
PM

To

tfurgason@swca.com, ccoyle@swca.com

cc

Beverley A
Everson/R3/USDAFS@FSNOTES
Subject

Issue Statements

latest version... This has not yet been vetted by our Regional Office or formally recommended to Jeanine.
(See attached file: 08182009_final_issue_statements.docx)

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

From: [Beverley A Everson](#)
To: [Robert Lefevre](#)
Subject: Re: June 10 Rosemont Copper Project Extended IDT Meeting
Date: 06/04/2009 01:09 PM

Thanks for letting me know. Have a safe trip.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

▼ [Robert Lefevre/R3/USDAFS](#)

**Robert
Lefevre/R3/USDAFS**

To: Beverley A Everson/R3/USDAFS@FSNOTES
cc

06/04/2009 07:54 AM

Subject: Re: June 10 Rosemont Copper Project Extended IDT Meeting 

Bev, we will be out of town through June 10 taking care of some family business. I'll probably be coming to ask to see some hard copies of reports.

Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373

▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A
Everson/R3/USDAFS**

To: Beverley A Everson/R3/USDAFS@FSNOTES
cc: Andrea W Campbell/R3/USDAFS@FSNOTES, Arthur S Elek/R3/USDAFS@FSNOTES, ccoyle@swca.com, Christopher C LeBlanc/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Eli Curiel/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Heidi Schewel/R3/USDAFS@FSNOTE, John Able/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, Kent C Ellett/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES, Marc Kaplan/R3/USDAFS@FSNOTES, Mary M Farrell/R3/USDAFS@FSNOTES, mreichard@SWCA.com, Reta Laford/R3/USDAFS@FSNOTES, Robert Lefevre/R3/USDAFS@FSNOTES, S@FSNOTES, Salek

06/03/2009 07:15 PM

Shafiqullah/R3/USDAFS@FSNOTES, Sarah L
Davis/R3/USDAFS@FSNOTES, Tami
Emmett/R3/USDAFS@FSNOTES, tfurgason@swca.com,
Walter Keyes/R3/USDAFS@FSNOTES, William B
Gillespie/R3/USDAFS@FSNOTES

Subject June 10 Rosemont Copper Project Extended IDT
Meeting 

Hi Team,

This is to let you know that we will have a morning meeting of the extended IDT on June 10 in 4B, 9:00 to 12:00. John Able will be introducing you to the new project website that will be up and running very soon. The website will have a user-friendly searchable comments database that I would like to get your feedback on.

On another subject, you've all been notified of the technical reports submitted by Rosemont over the past couple of months that are available on WebEx. You should all be reading and reviewing the reports in your resource areas. As a reminder, remember that I have hard copies of the reports that I am happy to share with you if you need them (I am not passing them out to everyone as I have limited copies, but can get more copies as needed).

See you on the 10th.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [George McKay](#)
To: [Beverley A Everson](#)
Cc: [Andrea W Campbell](#); [Arthur S Elek](#); [Beverley A Everson](#); ccoyle@swca.com; [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [Heidi Schewel](#); [John Able](#); [Kendall Brown](#); [Kent C Ellett](#); [Larry Jones](#); [Marc Kaplan](#); [Mary M Farrell](#); mreichard@SWCA.com; [Reta Laford](#); [Robert Lefevre](#); [S@FSNOTES](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Tami Emmett](#); tfurgason@swca.com; [Walter Keyes](#); [William B Gillespie](#)
Subject: Re: June 10 Rosemont Copper Project Extended IDT Meeting
Date: 06/03/2009 08:22 PM

I will be on my way to Disneyland.

▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A
Everson/R3/USDAFS**

06/03/2009 07:15 PM

To: Beverley A Everson/R3/USDAFS@FSNOTES
cc: Andrea W Campbell/R3/USDAFS@FSNOTES, Arthur S Elek/R3/USDAFS@FSNOTES, ccoyle@swca.com, Christopher C LeBlanc/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Eli Curiel/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Heidi Schewel/R3/USDAFS@FSNOTE, John Able/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, Kent C Ellett/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES, Marc Kaplan/R3/USDAFS@FSNOTES, Mary M Farrell/R3/USDAFS@FSNOTES, mreichard@SWCA.com, Reta Laford/R3/USDAFS@FSNOTES, Robert Lefevre/R3/USDAFS@FSNOTES, S@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Sarah L Davis/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES
Subject: June 10 Rosemont Copper Project Extended IDT Meeting 

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On another subject, you've all been notified of the technical reports submitted by Rosemont over the past couple of months that are available on WebEx. You should all be reading and reviewing the reports in your resource areas. As a reminder, remember that I have hard copies of the reports that I am happy to share with you if you need them (I am not passing them out to everyone as I have limited copies, but can get more copies as needed).

See you on the 10th.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [Beverley A Everson](#)
To: [Robert Lefevre](#)
Subject: Re: June 10 Rosemont Copper Project Extended IDT Meeting
Date: 06/04/2009 01:36 PM

Yes.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

▼ [Robert Lefevre/R3/USDAFS](#)

**Robert
Lefevre/R3/USDAFS**

To: Beverley A Everson/R3/USDAFS@FSNOTES
cc

06/04/2009 01:15 PM

Subject: Re: June 10 Rosemont Copper Project Extended IDT Meeting 

Bev, I just got a call from Dennis Haase. He is the air quality subcontractor to SWCA and we will be meeting June 11 (my first day back) at 10:00. Will you be around to answer questions?

Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373

From: [Suzanne Griset](#)
To: [Tom Furgason](#); [rgerhart@fs.fed.us](#); [sldavis@fs.fed.us](#); [gmckay@fs.fed.us](#); [Molly Thrash](#); [Cara Bellavia](#); [rmraley@fs.fed.us](#); [Tom Furgason](#); [Rion Bowers](#); [mjfitch@fs.fed.us](#); [tciapusci@fs.fed.us](#); [awcampbell@fs.fed.us](#); [beverson@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [Jerome Hesse](#); [klgraves@fs.fed.us](#); [aelek@fs.fed.us](#); [Trent Reeder](#); [wgillespie@fs.fed.us](#); [hschewel@fs.fed.us](#); [jderby@fs.fed.us](#); [mfarrell@fs.fed.us](#); [Ken Houser](#); [wkeyes@fs.fed.us](#); [dkriegel@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [Jill Grams](#); [temmett@fs.fed.us](#); [Geoff Soroka](#); [ccleblanc@fs.fed.us](#); [ecuriel@fs.fed.us](#); [ljones02@fs.fed.us](#); [Elisha Hornung](#); [Keith Pohs](#); [Tamara Larson](#); [Dale Ortman](#); [Harmony Hall](#); [Marcie Bidwell](#); [Ralph Ellis](#); [Jeff Connell](#); [Devin Keane](#); [mroth@fs.fed.us](#); [daleortmanpe@live.com](#); [kellett@fs.fed.us](#); [lccgarrett77@msn.com](#); [bschneid@email.arizona.edu](#); [rlaford@fs.fed.us](#); [Megan Robertson](#); [rlefevre@fs.fed.us](#); [abelauskas@fs.fed.us](#); [Ken Kertell](#); [Melissa Reichard](#); [Ben Gaddis](#); [Kevin Serrato](#); [dsebesta@fs.fed.us](#); [devinquintana@fs.fed.us](#)
Cc: [Tom Furgason](#)
Subject: RE: List of Reports Submitted by Rosemont Copper Co.
Date: 07/22/2009 08:50 AM

Tom - I note that none of the SWCA reports (geotechnical arch survey; MPO arch survey) are listed. Is this because we are submitting them directly to CNF?

Where are they proposing to locate the soil salvage storage areas?

Suzanne

From: rosemonteis on behalf of Tom Furgason
Sent: Tue 7/21/2009 2:20 PM
To: [rgerhart@fs.fed.us](#); [sldavis@fs.fed.us](#); [gmckay@fs.fed.us](#); [Molly Thrash](#); [Cara Bellavia](#); [rmraley@fs.fed.us](#); [Tom Furgason](#); [Rion Bowers](#); [mjfitch@fs.fed.us](#); [tciapusci@fs.fed.us](#); [awcampbell@fs.fed.us](#); [beverson@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [Jerome Hesse](#); [klgraves@fs.fed.us](#); [aelek@fs.fed.us](#); [Trent Reeder](#); [wgillespie@fs.fed.us](#); [hschewel@fs.fed.us](#); [jderby@fs.fed.us](#); [mfarrell@fs.fed.us](#); [Ken Houser](#); [wkeyes@fs.fed.us](#); [dkriegel@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [Jill Grams](#); [temmett@fs.fed.us](#); [Geoff Soroka](#); [ccleblanc@fs.fed.us](#); [ecuriel@fs.fed.us](#); [ljones02@fs.fed.us](#); [Elisha Hornung](#); [Keith Pohs](#); [Suzanne Griset](#); [Tamara Larson](#); [Dale Ortman](#); [Harmony Hall](#); [Marcie Bidwell](#); [Ralph Ellis](#); [Jeff Connell](#); [Devin Keane](#); [mroth@fs.fed.us](#); [daleortmanpe@live.com](#); [kellett@fs.fed.us](#); [lccgarrett77@msn.com](#); [bschneid@email.arizona.edu](#); [rlaford@fs.fed.us](#); [Megan Robertson](#); [rlefevre@fs.fed.us](#); [abelauskas@fs.fed.us](#); [Ken Kertell](#); [Melissa Reichard](#); [Ben Gaddis](#); [Kevin Serrato](#); [dsebesta@fs.fed.us](#); [devinquintana@fs.fed.us](#)
Cc: Tom Furgason
Subject: List of Reports Submitted by Rosemont Copper Co.

All-

Kathy Arnold sent us a list of 81 technical reports that have been submitted to the Forest Service in support of the proposed Rosemont Copper Project (<https://rosemonteis.webexone.com/r.asp?a=5&id=150661>) . SWCA is looking at this list to ensure that we have all of these reports in the Admin Record. We'll also review our records to see if we have any reports that are not included on this list. Please take a few minutes to review this document and identify any reports that pertain to your area of expertise.

It is my understanding that Bev should have two hard copies of each report. Alternatively, many of these reports are posted in WebEx; however, there may be a few instances where we did not receive electronic copies or they have not been posted. SWCA will either post copies or contact Rosemont and request electronic copies. We'll discuss the file structure and use of WebEx at the next extended ITD

meeting. For SWCA employees, please contact Melissa or me if you have any difficulties locating any of these reports.

Tom Furgason

Program Director

[SWCA Environmental Consultants](#)

343 West Franklin Street

Tucson, AZ 85701

(520) 325-9194 ext. 110

(520) 820-5178 mobile

(520) 325-2033 fax

From: [Rion Bowers](#)
To: [Tom Furgason](#); [rgerhart@fs.fed.us](#); [sldavis@fs.fed.us](#); [gmckay@fs.fed.us](#); [Molly Thrash](#); [Cara Bellavia](#); [rmraley@fs.fed.us](#); [Tom Furgason](#); [mjfitch@fs.fed.us](#); [tciapusci@fs.fed.us](#); [awcampbell@fs.fed.us](#); [beverson@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [Jerome Hesse](#); [klgraves@fs.fed.us](#); [aelek@fs.fed.us](#); [Trent Reeder](#); [wgillespie@fs.fed.us](#); [hschewel@fs.fed.us](#); [jderby@fs.fed.us](#); [mfarrell@fs.fed.us](#); [Ken Houser](#); [wkeyes@fs.fed.us](#); [dkriegel@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [Jill Grams](#); [temmett@fs.fed.us](#); [Geoff Soroka](#); [ccleblanc@fs.fed.us](#); [ecuriel@fs.fed.us](#); [ljones02@fs.fed.us](#); [Elisha Hornung](#); [Keith Pohs](#); [Suzanne Griset](#); [Tamara Larson](#); [Dale Ortman](#); [Harmony Hall](#); [Marcie Bidwell](#); [Ralph Ellis](#); [Jeff Connell](#); [Devin Keane](#); [mroth@fs.fed.us](#); [daleortmanpe@live.com](#); [kellett@fs.fed.us](#); [lccgarrett77@msn.com](#); [bschneid@email.arizona.edu](#); [rlaford@fs.fed.us](#); [Megan Robertson](#); [rlefevre@fs.fed.us](#); [abelauskas@fs.fed.us](#); [Ken Kertell](#); [Melissa Reichard](#); [Ben Gaddis](#); [Kevin Serrato](#); [dsebesta@fs.fed.us](#); [devinquentana@fs.fed.us](#)
Cc: [Tom Furgason](#)
Subject: RE: List of Reports Submitted by Rosemont Copper Co.
Date: 07/22/2009 07:38 AM

Webex indicates access is denied, can the list be posted somewhere else?

Rion J. Bowers
Senior Project Manager - Environmental Planner
SWCA Environmental Consultants
343 West Franklin Street
Tucson, Arizona 85701
e-mail: rbowers@swca.com
Phone: (520) 325-9194
Fax: (520) 325-2033

From: rosemonteis [<mailto:notify@weboffice.com>] **On Behalf Of** Tom Furgason
Sent: Tuesday, July 21, 2009 2:21 PM
To: [rgerhart@fs.fed.us](#); [sldavis@fs.fed.us](#); [gmckay@fs.fed.us](#); [Molly Thrash](#); [Cara Bellavia](#); [rmraley@fs.fed.us](#); [Tom Furgason](#); [Rion Bowers](#); [mjfitch@fs.fed.us](#); [tciapusci@fs.fed.us](#); [awcampbell@fs.fed.us](#); [beverson@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [Jerome Hesse](#); [klgraves@fs.fed.us](#); [aelek@fs.fed.us](#); [Trent Reeder](#); [wgillespie@fs.fed.us](#); [hschewel@fs.fed.us](#); [jderby@fs.fed.us](#); [mfarrell@fs.fed.us](#); [Ken Houser](#); [wkeyes@fs.fed.us](#); [dkriegel@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [Jill Grams](#); [temmett@fs.fed.us](#); [Geoff Soroka](#); [ccleblanc@fs.fed.us](#); [ecuriel@fs.fed.us](#); [ljones02@fs.fed.us](#); [Elisha Hornung](#); [Keith Pohs](#); [Suzanne Griset](#); [Tamara Larson](#); [Dale Ortman](#); [Harmony Hall](#); [Marcie Bidwell](#); [Ralph Ellis](#); [Jeff Connell](#); [Devin Keane](#); [mroth@fs.fed.us](#); [daleortmanpe@live.com](#); [kellett@fs.fed.us](#); [lccgarrett77@msn.com](#); [bschneid@email.arizona.edu](#); [rlaford@fs.fed.us](#); [Megan Robertson](#); [rlefevre@fs.fed.us](#); [abelauskas@fs.fed.us](#); [Ken Kertell](#); [Melissa Reichard](#); [Ben Gaddis](#); [Kevin Serrato](#); [dsebesta@fs.fed.us](#); [devinquentana@fs.fed.us](#)
Cc: Tom Furgason
Subject: List of Reports Submitted by Rosemont Copper Co.

All-

Kathy Arnold sent us a list of 81 technical reports that have been submitted to the Forest Service in support of the proposed Rosemont Copper Project (<https://rosemonteis.webexone.com/r.asp?a=5&id=150661>) . SWCA is looking at this list to ensure that we have all of these reports in the Admin Record. We'll also review our records to see if we have any reports that are not included on this list. Please take a few minutes to review this document and identify any reports that pertain to your area of expertise.

It is my understanding that Bev should have two hard copies of each report. Alternatively, many of these reports are posted in WebEx; however, there may be a few instances where we did not receive electronic copies or they have not been posted. SWCA will either post copies or contact Rosemont and request electronic copies. We'll discuss the file structure and use of WebEx at the next extended ITD meeting. For SWCA employees, please contact Melissa or me if you have any difficulties locating any of these reports.

Tom Furgason

Program Director

[SWCA Environmental Consultants](#)

343 West Franklin Street

Tucson, AZ 85701

(520) 325-9194 ext. 110

(520) 820-5178 mobile

(520) 325-2033 fax

From: [Beverley A Everson](#)
To: [Salek Shafiqullah](#)
Cc: ccoyle@swca.com; Melinda D Roth; mreichard@swca.com; Robert Lefevre; tfurgason@swca.com
Subject: Re: meeting to discuss specialist communication with Bounds of Analysis
Date: 07/14/2009 02:15 PM

The meeting place for this meeting and for the IDT meeting, has been changed to SWCA.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

▼ [Salek Shafiqullah/R3/USDAFS](#)

**Salek
Shafiqullah/R3/USDAFS**

07/10/2009 07:47 AM

To: Beverley A Everson/R3/USDAFS@FSNOTES
cc: ccoyle@swca.com, Melinda D Roth/R3/USDAFS@FSNOTES, mreichard@swca.com, Robert Lefevre/R3/USDAFS@FSNOTES, tfurgason@swca.com
Subject: Re: meeting to discuss specialist communication with Bounds of Analysis 

Hello Bev,
I can be there. Thanks.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A
Everson/R3/USDAFS**

07/09/2009 03:35 PM

To: tfurgason@swca.com, ccoyle@swca.com, mreichard@swca.com, Robert Lefevre/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES
cc:
Subject: meeting to discuss specialist communication with Bounds of Analysis

Charles,

Yesterday Bob Lefevre and Salek brought to my attention that they had only recently received some information from SWCA that was necessary for their Bounds of Anaylis reveiws. Apparently there was some breakdown in communication with transmission of the needed information. I've asked that the four of us meet next Wednesday at 8:00 to talk about the issue and stratagize to facilitate better communication between FS and SWCA specialists in the future. Tom and I discussed the meeting time and date, and it sounds like you're available to join us by teleconference next Wednesday at 8:00.

Salek, I need to confirm your availability also. The plan is to meet in 6V6.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

From: [Charles Coyle](#)
To: [Beverley A Everson](#)
Cc: [Tom Furgason](#); [Melissa Reichard](#); [Robert Lefevre](#); [Salek Shafiqullah](#); [Melinda D Roth](#)
Subject: RE: meeting to discuss specialist communication with Bounds of Analysis
Date: 07/09/2009 03:48 PM

Hi Bev,

Yes, I'll be available then.

Charles

From: Beverley A Everson [mailto:beverson@fs.fed.us]
Sent: Thursday, July 09, 2009 3:35 PM
To: Tom Furgason; Charles Coyle; Melissa Reichard; Robert Lefevre; Salek Shafiqullah; Melinda D Roth
Subject: meeting to discuss specialist communication with Bounds of Analysis

Charles,

Yesterday Bob Lefevre and Salek brought to my attention that they had only recently received some information from SWCA that was necessary for their Bounds of Anaylis reveiws. Apparently there was some breakdown in communication with transmission of the needed information. I've asked that the four of us meet next Wednesday at 8:00 to talk about the issue and stratagize to facilitate better communication between FS and SWCA specialists in the future. Tom and I discussed the meeting time and date, and it sounds like you're available to join us by teleconference next Wednesday at 8:00.

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Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [Salek Shafiqullah](#)
To: [Beverley A Everson](#)
Cc: ccoyle@swca.com; [Melinda D Roth](#); mreichard@swca.com; [Robert Lefevre](#); tfurgason@swca.com
Subject: Re: meeting to discuss specialist communication with Bounds of Analysis
Date: 07/10/2009 07:47 AM

Hello Bev,
I can be there. Thanks.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377
▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A
Everson/R3/USDAFS**

07/09/2009 03:35 PM

To tfurgason@swca.com, ccoyle@swca.com,
mreichard@swca.com, Robert
Lefevre/R3/USDAFS@FSNOTES, Salek
Shafiqullah/R3/USDAFS@FSNOTES, Melinda D
Roth/R3/USDAFS@FSNOTES

cc

Subject meeting to discuss specialist communication with
Bounds of Analysis

Charles,

Yesterday Bob Lefevre and Salek brought to my attention that they had only recently received some information from SWCA that was necessary for their Bounds of Analysis reviews. Apparently there was some breakdown in communication with transmission of the needed information. I've asked that the four of us meet next Wednesday at 8:00 to talk about the issue and strategize to facilitate better communication between FS and SWCA specialists in the future. Tom and I discussed the meeting time and date, and it sounds like you're available to join us by teleconference next Wednesday at 8:00.

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Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [Charles Coyle](#)
To: [Beverley A Everson](#)
Cc: [Tom Furgason](#); [Melissa Reichard](#); [Robert Lefevre](#); [Salek Shafiqullah](#); [Melinda D Roth](#); [Dale Ortman PE](#); [Rion Bowers](#)
Subject: RE: meeting to discuss specialist communication with Bounds of Analysis
Date: 07/10/2009 01:26 PM
Attachments: [Chapter 3 Sections and Assignments 5-27-09.doc](#)

Hi Bev,

I believe I've already identified a couple areas of miscommunication and/or lack of communication that contributed to the glitch.

First off, I was using the CNF's Proposed IDT roster as a reference when I developed guidance to send to the SWCA team members as to whom their CNF resource counterpart would be for seeking input on the bounds of analysis. That document identified Salek as the lead specialist for groundwater, surface water, and soils:

Hydrogeology (Ground Water)	Hydrologist, Salek Shafiqullah	Dale Ortman
Hydrology (Surface Water)	Hydrologist, Salek Shafiqullah	Dale Ortman
Soils	Hydrologist, Salek Shafiqullah	Dale Ortman

I did not notice on the following page that Bob Lefevre was listed as lead for Clean Water Act Compliance. I only showed him as lead for Air Quality in the guidance to our team (see attached 5-27 version, but note that I have subsequently updated this file since that date to reflect recent adjustments in staffing).

My instructions to the SWCA team were to first call or email their CNF counterparts to get a dialogue going, then draft a narrative of the spatial and temporal bounds of analysis and send that to the CNF specialist for input and approval. Only then were they to work with Lara Mitchell to have an appropriate map created that reflected the approved spatial bounds. In my initial guidance I did not give specific instructions that the maps also needed to be sent to the CNF for approval, though most people chose to do so & I recommended doing so if anyone was unsure and called or emailed me about it.

On May 29, Dale Ortman submitted a draft memo of the water resources bounds of analysis to Salek, Rion Bowers, and Chris Garrett. He received comments only from Rion and Chris. Because Jill Grams was no longer available to work on soils, on June 7 Dale resubmitted the same water resources draft to Salek along with draft bounds of analysis for soils. No comment was received, so on June 9 Dale resubmitted the "final" documents to me, cc'ing Salek, Tom, Rion, and Chris, and letting us know he was coordinating with Lara Mitchell on developing the maps for those two resources. On June 16 I emailed Dale to inquire whether he had heard back from Salek, and he wrote to say he had received no response on either the water or soils texts.

I've learned that Rion is out on vacation this week and next, so I can't say whether he independently submitted any text or figures and did not cc me. I know he had responded to Dale's May 29 water resources bounds memo and cc'd Salek, Chris Garrett and me with his comments. He had been quite prompt in submitting the hazardous materials bounds of analysis to Eli Curiel on June 3, which Eli approved on June 9.

Charles

From: Beverley A Everson [mailto:beverson@fs.fed.us]
Sent: Thursday, July 09, 2009 3:35 PM
To: Tom Furgason; Charles Coyle; Melissa Reichard; Robert Lefevre; Salek Shafiqullah; Melinda D Roth

Subject: meeting to discuss specialist communication with Bounds of Analysis

Charles,

Yesterday Bob Lefevre and Salek brought to my attention that they had only recently received some information from SWCA that was necessary for their Bounds of Analysis reviews. Apparently there was some breakdown in communication with transmission of the needed information. I've asked that the four of us meet next Wednesday at 8:00 to talk about the issue and strategize to facilitate better communication between FS and SWCA specialists in the future. Tom and I discussed the meeting time and date, and it sounds like you're available to join us by teleconference next Wednesday at 8:00.

Salek, I need to confirm your availability also. The plan is to meet in 6V6.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

From: [Melissa Reichard](#)
To: [Sarah L Davis](#)
Cc: [Teresa Ann Ciapusci](#); [Melinda D Roth](#)
Subject: RE: Record question
Date: 12/29/2009 08:53 AM

Saving it where? Do we attach it to that particular record? If so, do we need to include one of our letter to file forms explaining what is on the CD? Does the CD and/or letter to file get included in a page count?

Melissa

"Science is organized knowledge. Wisdom is organized life." -Immanuel Kant

From: Sarah L Davis [mailto:sldavis@fs.fed.us]
Sent: Sunday, December 27, 2009 1:06 PM
To: Melissa Reichard
Cc: Teresa Ann Ciapusci; Melinda D Roth
Subject: Re: Record question

Including the hard copy of the file in the Project Record and saving the CD is appropriate.

Sarah L. Davis, ASLA
Plan Revision Team
Coronado National Forest
TEL 520-388-8458
FAX 520-388-8332

"Melissa Reichard" <mreichard@swca.com>
11/24/2009 12:46 PM

To <tciapusci@fs.fed.us>, <sldavis@fs.fed.us>
cc "Melinda D Roth" <mroth@fs.fed.us>
Subject Record question

On page 7, 4th bullet down it describes handling some electronic media. If a CD is received and the file on the file on the CD is available in hardcopy, can we toss the CD of the file that was transmitted?

Melissa Reichard

Project Administrator
SWCA Environmental Consultants
343 West Franklin Street
Tucson, Arizona 85701
(520)325-9194, (520)325-2033 fax

Sound Science. Creative Solutions.

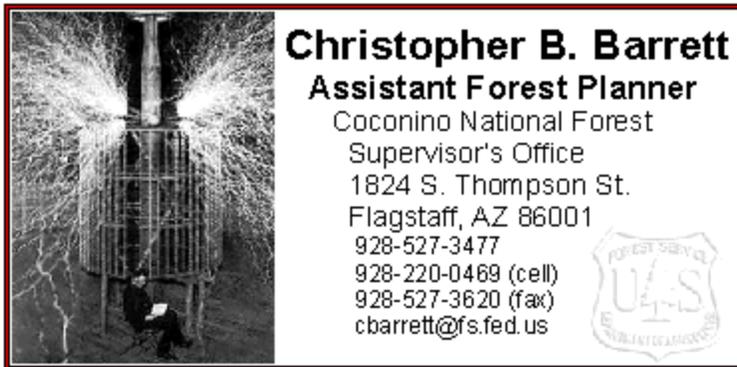
*"Man's mind, once stretched by a new idea, never regains its original dimensions." -
Oliver Wendell Holmes*

From: [Chris B Barrett](#)
To: [Sarah L Davis](#)
Subject: Re: request for Electronic Record that is searchable across its content
Date: 05/18/2009 01:00 PM
Signed by: CN=Chris B Barrett/OU=R3/O=USDAFS

Hi Sarah-

Here is the link to the work I have done with project records
<ftp://ftp2.fs.fed.us/incoming/r3gis/coconino/project-record-manual>

Chris



▼ [Sarah L Davis/R3/USDAFS](#)

**Sarah L
Davis/R3/USDAFS**

To Chris B Barrett/R3/USDAFS@FSNOTES
cc

05/14/2009 03:07 PM

Subject request for Electronic Record that is searchable across
its content

Our Deputy, Reta Laford, previously contacted you to inquire about your EIS record keeping for large records for litigation. We're currently working on the Rosemont Mining EIS, involving our Forest and a third party contractor, SWCA. I am writing specs for the contractor to keep the Admin Record so am following up with Reta's inquiry.

I would like to talk with you this week to see what you have been doing re large records and to get your recommendations or "lessons learned". When would be a good time? (I'll be out of the office Friday morning).

I have enclosed the Tongass Protocol for records if you are interested, you may have already seen it. It seems complete so we will be relying on it and hopefully learning from other Forests also - so that our specs are complete.

[attachment "Tongass_Project_Record_Protocols_05052009.doc"]

deleted by Chris B Barrett/R3/USDAFS]

Thanks for your willingness to give us some pointers.

Sarah L. Davis, ASLA
Plan Revision Team
Coronado National Forest
TEL 520-388-8458
FAX 520-388-8332

From: [Ben Gaddis](#)
To: [Sarah L Davis](#)
Cc: [Beverley A Everson](#); [Tom Furgason](#); [Charles Coyle](#)
Subject: RE: Rosemont - night skies
Date: 08/02/2009 09:32 PM

Sarah,

Thanks for getting back to me with additions for the night sky bounds of analysis. As I add the locations you mentioned I'll talk with Tom to get more detail if necessary.

As to Juneau, the food at a place called Sandpiper (as I recall) was very good. Also, Heritage Coffee had some good breakfast food in addition to coffee. Have a great time there. Hopefully you'll get good weather like we had at the beginning of July.

Thanks again and talk with you again soon.

Best regards,
Ben

-----Original Message-----

From: Sarah L Davis [<mailto:sldavis@fs.fed.us>]
Sent: Sat 8/1/2009 11:04 AM
To: Ben Gaddis
Cc: Beverley A Everson
Subject: Rosemont - night skies

I have reviewed the Night Sky Bounds of Analysis information you sent. Looks good. Since we received concerns about lighting as seen from residences I would add two areas for key observation points. Talked with Tom Furgason and we think 1) the Hilton Road residential area and 2) the intersection of the Greaterville Road with Highway 83. If you have other residential areas to recommend let me know. Also, two other areas may need key observation points; there is a University of Arizona observatory at Mt. Bigelow in the Catalinas and there is camping on the BLM's Las Cienegas National Conservation Area located across Highway 83. To ask BLM about their concerns go through the BLM contact on this project and talk with Karen Simms in recreation at Las Cienegas (Karen_Simms@blm.gov). I don't know if these last two (U of A and BLM have concerns or not).

I will be working in Juneau this next week, so call me on my cell if you have questions 520-237-4868 or 520-603-8885. Care to recommend any good places to go while visiting there, could use a restaurant recommendation.

Sarah L. Davis, ASLA
Plan Revision Team
Coronado National Forest
TEL 520-388-8458
FAX 520-388-8332

From: [Beverley A Everson](#)
To: [Robert Lefevre](#)
Cc: [Celeste A Gordon](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Laura White](#); [Melissa Reichard](#)
Subject: Re: Rosemont - Wilderness Issue Statement
Date: 02/20/2009 03:39 PM
Attachments: [Theme 101_wsht 1.doc](#)
[Theme 101 Worksheet 2 E-VERSION 012109.doc](#)

Thanks for that clarification.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

▼ [Robert Lefevre/R3/USDAFS](#)

**Robert
Lefevre/R3/USDAFS**

02/20/2009 01:38 PM

To [Debby Kriegel/R3/USDAFS@FSNOTES](#)
cc [Beverley A Everson/R3/USDAFS@FSNOTES](#), [Celeste A Gordon/R3/USDAFS@FSNOTES](#), [Deborah K Sebesta/R3/USDAFS@FSNOTES](#), [Laura White/R3/USDAFS@FSNOTES](#), "Melissa Reichard" <mreichard@swca.com>

Subject Re: Rosemont - Wilderness Issue Statement 

The Rincon Mt. Wilderness is not Class I. The Saguaro National Park however is Class I.

Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373

▼ [Debby Kriegel/R3/USDAFS](#)

**Debby
Kriegel/R3/USDAFS**

02/20/2009 10:35 AM

To "Melissa Reichard" <mreichard@swca.com>, [Beverley A Everson/R3/USDAFS@FSNOTES](#)

cc [Deborah K Sebesta/R3/USDAFS@FSNOTES](#), [Robert Lefevre/R3/USDAFS@FSNOTES](#), [Laura White/R3/USDAFS@FSNOTES](#), [Celeste A Gordon/R3/USDAFS@FSNOTES](#)

Subject Rosemont - Wilderness Issue Statement 

I just met with Laura White. She read through the draft wilderness theme statement and looked over the screening criteria. She agrees that this should be carried forward as an issue for now, and that based on worksheet 2 it qualifies as a significant issue. Once there is a revised issue statement document we need to have her re-read this theme and wordsmith a bit.

Here are some comments:

1. On the worksheet 1 document notes, please re-word the first sentence to read "The area of the Proposed Action is not within a Wilderness area, but there may be effects" and add 2 sentences "Consider also potential effects to Rincon Mountain Wilderness." and "Analyze visibility of proposed project from wilderness, air quality, noise, and wilderness/trail access."
2. Should possible effects to Las Cienegas NCA be moved into another theme (maybe Wildlife)? Debbie: does this sound logical?
3. On worksheet 2, second question, add to the rationale box "FSM 2320 has some direction for air quality, etc."

Bob: Is Rincon Mountain Wilderness is in a class 1 airshed? If so, please let Melissa know that she should mention this in the notes.

Thanks.

▼ ["Melissa Reichard" <mreichard@swca.com>](mailto:mreichard@swca.com)

"Melissa Reichard"
<mreichard@swca.com>

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc

02/20/2009 09:10 AM

Subject Wilderness screening

Debby-

I had something unexpected come up yesterday that took me out of the office. I just got your message. I hope this takes care of it in time. Let me know if you need anything else. I will be in all day today.

Thanks!

[Melissa Reichard](#)
Project Administrator
SWCA Environmental Consultants
343 West Franklin Street
Tucson, Arizona 85701
(520)325-9194, (520)325-2033 fax

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"Man's mind, once stretched by a new idea, never regains its original dimensions." -Oliver Wendell Holmes



Theme 101_wksht 1.doc Theme 101 Worksheet 2 E-VERSION 012109.doc

From: [David Morrow](#)
To: [Robert Lefevre](#)
Subject: RE: Rosemont Copper Mine - Air Quality Issues
Date: 09/22/2008 05:19 PM

Hey Bob,

You probably did mention him, it's just that I literally got into a bit of overload, meeting at least 30 folks, having a ton of project info given to me, etc. All very stimulating but a bit much to remember the names...

Cheers,

Dave

From: Robert Lefevre [mailto:rlfevre@fs.fed.us]
Sent: Monday, September 22, 2008 3:06 PM
To: David Morrow
Subject: RE: Rosemont Copper Mine - Air Quality Issues

Dave: I thought I had mentioned Mark. He is the Forest Service liaison with Arizona Department of Environmental Quality. His office is in Phoenix. He will be my primary Forest Service contact for such things as recommending the model or models to use, etc.
Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373

-----"David Morrow" <dmorrow@swca.com> wrote: -----

To: "Robert Lefevre" <rlfevre@fs.fed.us>
From: "David Morrow" <dmorrow@swca.com>
Date: 09/22/2008 12:07PM
Subject: RE: Rosemont Copper Mine - Air Quality Issues

Hi Bob,

Thanks for keeping me in the loop here. Who is Mark Fitch?
I see from his email address that he works for the FS. If need be I would be glad to give him a ring to discuss my thoughts.

It was great having the site visit with you and Geoff as you guys really know the land and critters. I learned a lot more than I could have if I just did the site visit solo.

Best,

D

David Morrow AICP
Air and Noise Specialist
Morro Group, a Division of SWCA Environmental Consultants
Sound Science, Creative Solutions
1422 Monterey St. San Luis Obispo CA 93401
P 805.543.7095
F 805.543.2367
C 206.330.6727
<http://www.swca.com>

Please consider the environment before printing this e-mail

-----Original Message-----

From: Robert Lefevre [<mailto:rlfevre@fs.fed.us>]
Sent: Monday, September 15, 2008 4:27 PM
To: Mark J Fitch
Cc: David Morrow; Beverley A Everson
Subject: Rosemont Copper Mine - Air Quality Issues

DRAFT - Internal, Deliberative Correspondence Only

Mark, thank you for calling me back. Our consultant for Air Quality is Dave Morrow of SWCA. His contact information is

email:
dmorrow@swca.com

phone:
805-543-7095

I briefly mentioned the expected issues the other day as being road dust, tailings pile dust, blasting, diesel exhaust, and commuter traffic exhaust. The Rosemont Copper consultant suggested Aermol as the model he wanted to use. Dave suggested we consider Calpuff. Dave asked me to recommend a model after talking to you.

Another item that came up was the proximity to Class I areas, which I thought might be Saguaro NP, Galiuro Wilderness, Chiricahua Wilderness, and Chiricahua NM. I have done a little GIS work, and there are

actually
only
two Class I areas within 100 km: Saguaro NP and Galiuro
Wilderness, but
the Mt. Wrightson Wilderness (Class II) is less than 10 km
away and you
had
mentioned that we should approach Class II Wilderness as if
they were
Class
I. With that in mind, the Pusch Ridge Wilderness, Rincon
Wilderness,
and
Miller Peak Wilderness Areas (all Class II) are within 100 km.
And if
we
consider 300 km, the Chiricahua NM and Chiricahua Wilderness
on the
Coronado; plus the Mazatzal, Sierra Ancha, and Superstition
WA's on the
Tonto NF; and the Gila and Aldo Leopold WA's on the Gila also
fall in as
Class I areas. In addition, there are a lot of wilderness
study areas
and
Class II wilderness areas within the 300 km that I haven't
taken time to
identify yet.

Locally, there are some residences as close as 2 km. So we
have to
figure
out what the analysis area will be: 100 km or 300 km; and
what the
targets
are within the selected distance.

DRAFT - Internal, Deliberative Correspondence Only
Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373

From: [David Morrow](#)
To: [Robert Lefevre](#)
Subject: RE: Rosemont Copper Mine - Air Quality Issues
Date: 09/22/2008 12:05 PM

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D

David Morrow AICP
Air and Noise Specialist
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P 805.543.7095
F 805.543.2367
C 206.330.6727
<http://www.swca.com>

Please consider the environment before printing this e-mail

-----Original Message-----

From: Robert Lefevre [mailto:rlefevre@fs.fed.us]
Sent: Monday, September 15, 2008 4:27 PM
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Cc: David Morrow; Beverley A Everson
Subject: Rosemont Copper Mine - Air Quality Issues

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dmorrow@swca.com email:
805-543-7095 phone:

I briefly mentioned the expected issues the other day as being road dust, tailings pile dust, blasting, diesel exhaust, and commuter traffic exhaust. The Rosemont Copper consultant suggested Aermoc as the model he wanted to use. Dave suggested we consider Calpuff. Dave asked me to recommend a model after talking to you.

Another item that came up was the proximity to Class I areas, which I thought might be Saguaro NP, Galiuro Wilderness, Chiricahua Wilderness, and Chiricahua NM. I have done a little GIS work, and there are actually only two Class I areas within 100 km: Saguaro NP and Galiuro Wilderness, but the Mt. Wrightson Wilderness (Class II) is less than 10 km away and you had mentioned that we should approach Class II Wilderness as if they were Class I. With that in mind, the Pusch Ridge Wilderness, Rincon Wilderness, and Miller Peak Wilderness Areas (all Class II) are within 100 km. And if we consider 300 km, the Chiricahua NM and Chiricahua Wilderness on the Coronado; plus the Mazatzal, Sierra Ancha, and Superstition WA's on the Tonto NF; and the Gila and Aldo Leopold WA's on the Gila also fall in as Class I areas. In addition, there are a lot of wilderness study areas and Class II wilderness areas within the 300 km that I haven't taken time to identify yet.

Locally, there are some residences as close as 2 km. So we have to figure out what the analysis area will be: 100 km or 300 km; and what the targets are within the selected distance.

DRAFT - Internal, Deliberative Correspondence Only
Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373

From: [Beverley A Everson](#)
To: [Beverley A Everson](#); [Reta Laford](#)
Cc: [Alan Belauskas](#); [Andrea W Campbell](#); [Arthur S Elek](#); ccoyle@swca.com; [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [Janet Jones](#); [John Able](#); [Keith L Graves](#); [Kendall Brown](#); [Kent C Ellett](#); [Larry Jones](#); [Mary M Farrell](#); mriechar@SWCA.com; [Reta Laford](#); [Robert Lefevre](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Tami Emmett](#); [Teresa Ann Ciapusci](#); tfurgason@swca.com; [Walter Keyes](#); [William B Gillespie](#)
Subject: Re: Rosemont Core IDT meeting tomorrow
Date: 02/20/2009 03:38 PM

Hi Everyone,

This is to notify you, both core and extended team, of a few different items, as follows:

Update on the analysis, and the work that the team has completed - the team worked VERY hard at the end of last month to complete the review of the issue themes that SWCA wrote, and to make determinations as to which of the themes were issues vs. non-issues and which of the issues were significant. This week part of the team returned to document their reasoning for the

determinations, and again did some awesome work. In some of the documentation however, specialist expertise was required, thus a few of us (me included) will have homework assignments to help with the documentation prior to the next IDT meeting on March 4. I will be sending out those assignments to you shortly, and will be asking for completion of the assignments by February 27th. Note that I'm giving you this deadline so that I have a chance to look over the documentation prior to our next meeting. I think you'll find they what's being asked of you can be completed in a very short time.

What's next: beginning development of existing conditions for Chapter 3 of the EIS. I have asked that SWCA specialists develop draft outlines for their respective portions of Chapter 3 by February 27th. With this, you can expect to hear from your SWCA specialist counterparts, asking for some of the information that they will need to compose the outlines. Some of you have already had extensive contact with your SWCA contacts, others may have had none at all. Please assist your counterparts as much as possible when they reach out to you, especially where we have access to information that they would not readily have access to on their own. Know that that SWCA is doing the heavy lifting throughout the analysis, and that they shouldn't be asking you to obtain information that they can get on their own. And, please take this opportunity over the next week or so to get to know your counterparts if you haven't already.

What else is next...the core team will meet in 6V6, from 9:00 to 4:00 to for discussion and review of Issue Statement development. This part of the meeting will primarily be a presentation by SWCA folks. We may also have some discussion of our determinations on issue vs. non-issue and significant vs. not significant, and discussion on the affected environment and existing conditions.

Finally, we'll briefly review Alternative development.

The March 4 meeting will be mandatory for the core team. Extended team members will be warmly welcomed to the meeting also! Please plan to attend if you can fit it into your busy schedules.

One last note to the team; I will be on leave from March 5 through March 23, and Kent Ellett will be filling in as team leader, with Reta and Teresa Ann's support.

Please feel free to contact me at any time before the 5th if there is project business that you need to discuss.

Thank you for your diligence in your work on this project, and for the great teamwork and enthusiasm you've shown.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A
Everson/R3/USDAFS**

02/17/2009 12:30 PM

To: Beverley A Everson/R3/USDAFS
cc: Alan Belauskas/R3/USDAFS@FSNOTES, Andrea W Campbell/R3/USDAFS@FSNOTES, Arthur S Elek/R3/USDAFS@FSNOTES, ccoyle@swca.com, Christopher C LeBlanc/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Eli Curiel/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Heidi Schewel/R3/USDAFS@FSNOTES, Janet Jones/R3/USDAFS@FSNOTES, John Able/R3/USDAFS@FSNOTES, Keith L Graves/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, Kent C Ellett/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES, Mary M Farrell/R3/USDAFS@FSNOTES, mriechar@SWCA.com, Reta Laford/R3/USDAFS@FSNOTES, Robert Lefevre/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Sarah L Davis/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES

Subject: Rosemont Core IDT meeting tomorrow 

Hi Everyone,

This is to confirm that we will be having an IDT meeting tomorrow. The core team should have this day obligated for the meeting; for the extended team the meeting is optional, but please attend if your

schedule allows.

In our meetings a couple of weeks ago, we determined that some potential issues were not issues at all, and others were not significant issues. Tomorrow we're going to refine our reasoning and expand on our documentation for these determinations.

We'll meet in 6V6 from 9:00 to 4:30, with a break for lunch.

Please bring the binders that you received at the Sept. 10 kick-off meeting.

Thanks.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

From: [Deborah K Sebesta](#)
To: [Kent C Ellett](#)
Cc: [Alan Belauskas](#); [Beverley A Everson](#); [Debby Kriegel](#); [Eli Curiel](#); [Jennifer Ruyle](#); [Kendall Brown](#); [Mary M Farrell](#); [Reta Laford](#); [Robert Lefevre](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Teresa Ann Ciapusci](#); [Walter Keyes](#); [William B Gillespie](#); [Larry Jones](#)
Subject: Re: Rosemont EIS assignments due Friday 3/20 and Tues 3/24.
Date: 03/19/2009 10:01 AM

Kent,
Are they going to ask the biologists, archaeologists, recreation folks, etc. for the State to look at the ratings? It seems to me that it would be a good idea since it is on their land. I don't mind adding my two-cents worth but I'm not sure I feel 100% comfortable making the call on non-Forest land.

Debbie Sebesta, District Biologist
Coronado National Forest
Nogales Ranger District
303 Old Tucson Road
Nogales, AZ 85624
Voice: 520-761-6009
Cell: 520-260-7702
Fax: 520-281-2396
E-mail: dsebesta@fs.fed.us

▼ [Kent C Ellett/R3/USDAFS](#)

**Kent C
Ellett/R3/USDAFS**

03/18/2009 05:47 PM

To: Alan Belauskas/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Robert Lefevre/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Eli Curiel/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, Sarah L Davis/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Walter Keyes/R3/USDAFS@FSNOTES, Reta Laford/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, Jennifer Ruyle/R3/USDAFS@FSNOTES, Mary M Farrell/R3/USDAFS@FSNOTES

cc

Subject: Rosemont EIS assignments due Friday 3/20 and Tues 3/24.

If you received this e-mail you probably have an assignment due Friday the 20th &/or next Tuesday the 24th.

EPG - 138 kV Transmission Line: Due Friday

We met with consultants EPG and SWCA today to discuss the proposed 138 kilovolt transmission line and the Cause & Effect/Issue Statements.

I've been waiting for EPG's Siting Criteria Worksheet and definition for the ratings (i.e., low, moderately low, moderate, etc.) to be emailed to me. It hasn't come yet. I'll check on it tomorrow so you have it to do your assignment of reviewing the proposed ratings and if you think an issue should be rated differently, state the rating it should have with your rationale and email it to me (Kent) by noon Friday so I can consolidate and send to

EPG Friday afternoon.

1. **Debby Kriegel** to cover VQO and add SMS (Scenery Management System) and ROS (Recreation Opportunity Spectrum). Debby will get with the **GIS Shop** to provide GIS layers or shape files to EPG.
2. **Teresa Ann** assigned to send EPG the ftp site location for a GIS map with land uses designations and other special classifications such as T&E species critical habitat designations. Teresa Ann will coordinate with **Jennifer Ruyle**.
3. **Teresa Ann** to also get with **Erin Boyle** to address Wilderness.
4. **Kent** will coordinate with the **Heritage Shop** RE Cultural Resources.
5. **Larry Jones** and **Debbie Sebesta** to review Biological Resources section and provide their comments.
6. **Walt Keyes** to cover roads, particularly a new electricity line would need new service roads.

SWCA - Cause & Effect/Issue Statements: Due Next Tuesday.

Assignments: Send your comments to Bev with a cc to Rita and Teresa Ann by Tuesday afternoon so Bev can forward to SWCA Wednesday morning. This will give SWCA a couple days to review in preparation for the meeting with Rosemont on the 30th.

Theme #	Description	Assigned To:
31	Noise	Alan Belauskas
52	Reclamation Plan	Bev with Walt making initial effort.
14	Archeology	Bill Gillespie with Mary Farrell over Tribal
1, 3	Air Pollution	Bob LeFevre
57	Riparian Vegetation	Bob LeFevre
65	Soils	Bob LeFevre
101	Wilderness	Debbie Kriegel with Laura White
56	Recreation	Debby Kriegel
84	Visual Resources	Debby Kriegel
69	Special Status Species	Debbie Sebesta
79	Vegetation	Debbie Sebesta
83, 102, 103, 104, 105	Wildlife Habitat	Debbie Sebesta with Larry Jones
91	Acid Rock Drainage	Eli Curiel
27, 28	Livestock Grazing	Kendall Brown
80, 89 (Partial), 90, 93	Mine Area Groundwater	Salek with Walt making initial effort
92	Potential Pit Lake	Salek with Walt making initial effort
15, 61	Socioeconomics/Environmental Justice	Sarah Davis
25	Outdoor Lighting	Sarah Davis
74	Transportation	Walt Keyes
94	Storm Water Control	Walt Keyes

"Dismissed Themes" #95 & #68 may be combined pending Regional Office input.

I have several hard copies of the documents we reviewed today and will put them on Rita's table if you need one. Electronic documents are available on Webex. Please contact John Able or Melissa Reichard (SWCA) if you need assistance with Webex. Melissa's phone number is 520-325-2033 and email is mreichard@swca.com

Good meeting today. Thanks for your focus & participation. Rita, thanks for the bagels.

Kent C. Ellett
 District Ranger, Nogales RD
 303 Old Tucson Road, Nogales, AZ 85621

520-761-6002 (w), 520-975-0902 (cell)

From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Cc: [Alan Belauskas](#); [Andrea W Campbell](#); [Arthur S Elek](#); ccoyle@swca.com; [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [Janet Jones](#); [John Able](#); [Keith L Graves](#); [Kendall Brown](#); [Kent C Ellett](#); [Larry Jones](#); [Mary M Farrell](#); mriechar@SWCA.com; [Reta Laford](#); [Robert Lefevre](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Tami Emmett](#); [Teresa Ann Ciapusci](#); tfurgason@swca.com; [Walter Keyes](#); [William B Gillespie](#)
Subject: Re: Rosemont IDT meeting tomorrow
Date: 04/21/2009 12:50 PM

We will be meeting in 4B tomorrow to work on more alternative discussion. The meeting starts at 9:00 and will go until about 2:30, with an hour lunch break from 11:30 to 12:30. This meeting is not mandatory for the extended team, but your contribution to the discussion would be welcomed.

Thank you.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [Melinda D Roth](#)
To: [Robert Lefevre](#)
Subject: Re: Rosemont Issue Statements and Units of Measure
Date: 07/13/2009 01:48 PM

Thanks for the quick reply Bob. I'm hoping to have input soon so I can then consolidate it for IDT mtg on 7/22.

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

▼ [Robert Lefevre/R3/USDAFS](#)

**Robert
Lefevre/R3/USDAFS**

To Melinda D Roth/R3/USDAFS@FSNOTES
cc

07/13/2009 11:07 AM

Subject Re: Rosemont Issue Statements and Units of Measure



Hi, Mindy. I'll look at these, but I probably won't be at the July 22 meeting. Its not an extended team day and I have another committment.

Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373

▼ [Melinda D Roth/R3/USDAFS](#)

**Melinda D
Roth/R3/USDAFS**

To Robert Lefevre/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Sarah L Davis/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Walter Keyes/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Eli Curiel/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES, Kent C Ellett/R3/USDAFS@FSNOTES, Arthur S Elek/R3/USDAFS@FSNOTES

07/13/2009 09:33 AM

cc Richard A Gerhart/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES, Alan Belauskas/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Pete

Schwab/R3/USDAFS@FSNOTES, Kendall
Brown/R3/USDAFS@FSNOTES, Christopher C
LeBlanc/R3/USDAFS@FSNOTES, Mary M
Farrell/R3/USDAFS@FSNOTES, John
Able/R3/USDAFS@FSNOTES, Teresa Ann
Ciapusci/R3/USDAFS@FSNOTES, ccoyle@swca.com.
tfurgason@swca.com

Subject Rosemont Issue Statements and Units of Measure

Review and comment by Wed., IDT discussion July 22nd meeting...

[attachment "units_of_measure2.doc" deleted by Robert Lefevre/R3/USDAFS]
[attachment "07132009_ issue_statements_for IDT_review.doc" deleted by Robert Lefevre/R3/USDAFS]

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

From: [Richard Periman](#)
To: [Sarah L Davis](#)
Subject: Re: Rosemont Mine EIS, Socioeconomic review
Date: 03/31/2009 08:42 AM
Signed by: CN=Richard Periman/OU=R3/O=USDAFS
Attachments: [Periman Rosemont EIS Ch3 Outline SOCIO_032609.doc](#)

Sarah, great to hear. I am always glad to help in any way that I can. Good luck with the contract.

Richard



▼ [Sarah L Davis/R3/USDAFS](#)

**Sarah L
Davis/R3/USDAFS**

To: Richard Periman/R3/USDAFS@FSNOTES
cc

03/30/2009 06:08 PM

Subject: Re: Rosemont Mine EIS, Socioeconomic review 

Richard, this is very helpful. We had a meeting today on Rosemont with the proponent, contractor, subs, etc. and the "metrics" also came up. The Shannon Weaver economic diversity index will be included. Very useful. THANKS!!

Sarah L. Davis, ASLA
Plan Revision Team
Coronado National Forest
TEL 520-388-8458
FAX 520-388-8332

▼ [Richard Periman/R3/USDAFS](#)

**Richard
Periman/R3/USDAFS**

To: Sarah L Davis/R3/USDAFS@FSNOTES
cc

03/27/2009 02:54 PM

Subject: Re: Rosemont Mine EIS, Socioeconomic review 

Sarah,

I went over the outline and add some things I consider to just be part of a basic socioeconomic assessment. I highlighted those in yellow.



Periman_Rosemont EIS_Ch3_Outline_SOCIO_032609.doc

One thing I added to the economic profile is the Shannon Weaver economic diversity index. I have think this is a very important indicator of what is going on in an economy. See the definition below. Shannon Weaver is fairly easy to calculate, and there is a function in IMPLAN that does it automatically. It would be good to have.

Shannon Weaver economic diversity index: If economic diversity is defined as "the presence in an area of a great number of different types of industries" or "the extent to which the economic activity of a region is distributed among a number of categories", then it is useful to have a summary statistic to describe the diversity of an area and compare it to other areas. The Shannon-Weaver entropy function (Shannon and Weaver, 1949) has been used to calculate indices of economic diversity (Attaran, 1986).

Overall, these are just recommendations,

Thanks for the opportunity to review,

Richard

A business card for Richard Periman, PhD. The card has a light blue background on the left with white text, and a photograph of two tall, thin, grey rock formations in a grassy field on the right. The text on the card reads: "Richard Periman, PhD", "Social Science-Economic Coord.", "Ecosystem Analysis & Planning", "Southwestern Region", "333 Broadway, SE", "Albuquerque, NM 87102", and "505-842-3225".

Richard Periman, PhD
Social Science-Economic Coord.
Ecosystem Analysis & Planning
Southwestern Region
333 Broadway, SE
Albuquerque, NM 87102
505-842-3225

▼ [Sarah L Davis/R3/USDAFS](#)

**Sarah L
Davis/R3/USDAFS**

To: Richard Periman/R3/USDAFS@FSNOTES
cc

03/27/2009 02:41 PM

Subject: Rosemont Mine EIS, Socioeconomic review

Would you look over this one-page outline I received from SWCA, the contractor for this EIS. I am the Coronado's socioeconomics contact for this proposal. Their team is happy to receive additions and changes. The proposal is for a one mile long open pit mine in the Santa Rita Mountains, operations to last 20 years.

The outline is for Chapter 3, Affected Environment.

[attachment "Rosemont EIS_Ch3_Outline_SOCIO_032609.doc" deleted by Richard Periman/R3/USDAFS]

Sarah L. Davis, ASLA
Plan Revision Team
Coronado National Forest
TEL 520-388-8458
FAX 520-388-8332

From: [Richard Periman](#)
To: [Sarah L Davis](#)
Subject: Re: Rosemont Mine EIS, Socioeconomic review
Date: 03/27/2009 02:54 PM
Signed by: CN=Richard Periman/OU=R3/O=USDAFS
Attachments: [Periman_Rosemont EIS_Ch3_Outline_SOCIO_032609.doc](#)

Sarah,

I went over the outline and add some things I consider to just be part of a basic socioeconomic assessment. I highlighted those in yellow.



[Periman_Rosemont EIS_Ch3_Outline_SOCIO_032609.doc](#)

One thing I added to the economic profile is the Shannon Weaver economic diversity index. I have think this is a very important indicator of what is going on in an economy. See the definition below. Shannon Weaver is fairly easy to calculate, and there is a function in IMPLAN that does it automatically. It would be good to have.

Shannon Weaver economic diversity index: If economic diversity is defined as "the presence in an area of a great number of different types of industries" or "the extent to which the economic activity of a region is distributed among a number of categories", then it is useful to have a summary statistic to describe the diversity of an area and compare it to other areas. The Shannon-Weaver entropy function (Shannon and Weaver, 1949) has been used to calculate indices of economic diversity (Attaran, 1986).

Overall, these are just recommendations,

Thanks for the opportunity to review,

Richard

<p>Richard Periman, PhD Social Science-Economic Coord. Ecosystem Analysis & Planning Southwestern Region 333 Broadway, SE Albuquerque, NM 87102 <u>505-842-3225</u></p>	
--	---

▼ [Sarah L Davis/R3/USDAFS](#)

**Sarah L
Davis/R3/USDAFS**

To: Richard Periman/R3/USDAFS@FSNOTES
cc

03/27/2009 02:41 PM

Subject: Rosemont Mine EIS, Socioeconomic review

Would you look over this one-page outline I received from SWCA, the contractor for this EIS. I am the Coronado's socioeconomics contact for this proposal. Their team is happy to receive additions and changes. The proposal is for a one mile long open pit mine in the Santa Rita Mountains, operations to last 20 years.

The outline is for Chapter 3, Affected Environment.

[attachment "Rosemont EIS_Ch3_Outline_SOCIO_032609.doc" deleted by Richard Periman/R3/USDAFS]

Sarah L. Davis, ASLA
Plan Revision Team
Coronado National Forest
TEL 520-388-8458
FAX 520-388-8332

From: [Cara Bellavia](#)
To: [Sarah L Davis](#)
Cc: [Richard Periman](#); [Beverley A Everson](#); [Tom Furgason](#)
Subject: RE: Rosemont Socioeconomics Analysis - spatial and temporal bounds
Date: 07/06/2009 10:46 AM

Hi Sarah,

Thank you. My understanding of the black dots is that they are just place locators for context on the map; there is nothing significant for the study.

Thank you!
Cara

From: Sarah L Davis [mailto:sldavis@fs.fed.us]
Sent: Thursday, July 02, 2009 5:32 PM
To: Cara Bellavia
Cc: Richard Periman; Beverley A Everson; Tom Furgason
Subject: RE: Rosemont Socioeconomics Analysis - spatial and temporal bounds

Looks good, to move forward.

Only one question: what is the description of the communities with the large black dots on your map? I'm assuming that the dots indicate communities with smaller populations (or a certain size), because Benson, Sierra Vista and Nogales are not included.

Sarah L. Davis, ASLA
Plan Revision Team
Coronado National Forest
TEL 520-388-8458
FAX 520-388-8332

"Cara Bellavia" <cbellavia@swca.com>
06/12/2009 10:31 AM

To "Sarah L Davis" <sldavis@fs.fed.us>
cc
Subject RE: Rosemont Socioeconomics Analysis

Hi Sarah,

Attached is a draft of the spatial and temporal bounds of analysis approach. Can you please review this and let me know if you have any comments, edits, questions, etc?

Thank you!
Cara

Cara Bellavia
SWCA Environmental Consultants
3033 N. Central Ave., Suite 145

Phoenix, AZ 85012

P 602.274.3831 | F 602.274.3958

www.swca.com

Sound Science. Creative Solutions.

Please consider the environment before printing this email

From: Sarah L Davis [mailto:sldavis@fs.fed.us]
Sent: Friday, May 29, 2009 3:52 PM
To: Cara Bellavia
Subject: Re: Rosemont Socioeconomics Analysis

Let's talk. I am on vacation all next week but I will call you on Monday the 8th.

Sarah L. Davis, ASLA
Plan Revision Team
Coronado National Forest
TEL 520-388-8458
FAX 520-388-8332

"Cara Bellavia" <cbellavia@swca.com>

05/28/2009 09:23 AM

To "Sarah L Davis" <sldavis@fs.fed.us>
cc
Subject Rosemont Socioeconomics Analysis

Hi Sarah,

Can we set up a time to chat regarding what the FS would like the bounds of analysis (both spatial and temporal) to be for socioeconomics for the Rosemont Copper mine project? I am hoping we can connect some time next week (the week of June 1)?

In our our draft cause and effect statements, which I understand are not finalized yet, we proposed a 100-mile buffer from the mine to analyze in terms of the spatial bounds.

Let me know when you are available.

Thanks,
Cara

Cara Bellavia
SWCA Environmental Consultants
3033 N. Central Ave., Suite 145
Phoenix, AZ 85012
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www.swca.com

Sound Science. Creative Solutions.
Please consider the environment before printing this email

From: [Cara Bellavia](#)
To: [Sarah L Davis](#)
Cc: [Beverley A Everson](#); [Charles Coyle](#); [Richard Periman](#); [Tom Furgason](#)
Subject: RE: Rosemont Socioeconomics Analysis - spatial and temporal bounds
Date: 07/27/2009 02:16 PM

Hi Sarah,

Thanks for your feedback, we will proceed with these three counties.

Thanks again!
Cara

From: Sarah L Davis [mailto:sldavis@fs.fed.us]
Sent: Monday, July 27, 2009 2:15 PM
To: Cara Bellavia
Cc: Beverley A Everson; Charles Coyle; Richard Periman; Tom Furgason
Subject: RE: Rosemont Socioeconomics Analysis - spatial and temporal bounds

Yes, this revised text and updated Bounds of Analysis map are good. I agree that the very small area located within Graham and Pinal counties (1 1/2%) can be excluded from analysis.

Thanks for your call today.

Sarah L. Davis, ASLA
Plan Revision Team
Coronado National Forest
TEL 520-388-8458
FAX 520-388-8332

"Cara Bellavia" <cbellavia@swca.com>

07/17/2009 02:44 PM

To "Sarah L Davis" <sldavis@fs.fed.us>

cc "Richard Periman" <rperiman@fs.fed.us>, "Beverley A Everson" <beverson@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>, "Charles Coyle" <ccoyle@swca.com>

Subject RE: Rosemont Socioeconomics Analysis - spatial and temporal bounds

Hi Sarah,

As we started our analysis for this project, it seems like including Pinal and Graham counties in the study area wouldn't be that useful after all. Very small portions of these counties fall into the 50-mile buffer, and there are no cities or towns that are located within those counties within the buffer.

We revised the Bounds of Analysis to reflect this potential change; the revised document is attached for your consideration. The hi-lighted text is what has been updated, as well as a new Figure (Figure S1).

Please call me if you have any questions.

Thanks!
Cara

From: Sarah L Davis [mailto:sldavis@fs.fed.us]
Sent: Thursday, July 02, 2009 5:32 PM
To: Cara Bellavia
Cc: Richard Periman; Beverley A Everson; Tom Furgason
Subject: RE: Rosemont Socioeconomics Analysis - spatial and temporal bounds

Looks good, to move forward.
Only one question: what is the description of the communities with the large black dots on your map?
I'm assuming that the dots indicate communities with smaller populations (or a certain size), because Benson, Sierra Vista and Nogales are not included.

Sarah L. Davis, ASLA
Plan Revision Team
Coronado National Forest
TEL 520-388-8458
FAX 520-388-8332

"Cara Bellavia" <cbellavia@swca.com>

06/12/2009 10:31 AM

To "Sarah L Davis" <sldavis@fs.fed.us>
cc
Subject RE: Rosemont Socioeconomics Analysis

Hi Sarah,

Attached is a draft of the spatial and temporal bounds of analysis approach. Can you please review this and let me know if you have any comments, edits, questions, etc?

Thank you!
Cara

Cara Bellavia
SWCA Environmental Consultants
3033 N. Central Ave., Suite 145
Phoenix, AZ 85012
P 602.274.3831 | F 602.274.3958
www.swca.com
Sound Science. Creative Solutions.
Please consider the environment before printing this email

From: Sarah L Davis [mailto:sldavis@fs.fed.us]
Sent: Friday, May 29, 2009 3:52 PM
To: Cara Bellavia
Subject: Re: Rosemont Socioeconomics Analysis

Let's talk. I am on vacation all next week but I will call you on Monday the 8th.

Sarah L. Davis, ASLA
Plan Revision Team
Coronado National Forest
TEL 520-388-8458
FAX 520-388-8332
"Cara Bellavia" <cbellavia@swca.com>

05/28/2009 09:23 AM

To "Sarah L Davis" <sldavis@fs.fed.us>
cc
Subject Rosemont Socioeconomics Analysis

Hi Sarah,

Can we set up a time to chat regarding what the FS would like the bounds of analysis (both spatial and temporal) to be for socioeconomics for the Rosemont Copper mine project? I am hoping we can connect some time next week (the week of June 1)?

In our our draft cause and effect statements, which I understand are not finalized yet, we proposed a 100-mile buffer from the mine to analyze in terms of the spatial bounds.

Let me know when you are available.
Thanks,
Cara

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From: [Cara Bellavia](#)
To: [Sarah L Davis](#)
Cc: [Richard Periman](#); [Beverley A Everson](#); [Tom Furgason](#); [Charles Coyle](#)
Subject: RE: Rosemont Socioeconomics Analysis - spatial and temporal bounds
Date: 07/17/2009 02:44 PM
Attachments: [Rosemont_boundsofanalysis_SOCIO_REV_071609.doc](#)

Hi Sarah,

As we started our analysis for this project, it seems like including Pinal and Graham counties in the study area wouldn't be that useful after all. Very small portions of these counties fall into the 50-mile buffer, and there are no cities or towns that are located within those counties within the buffer.

We revised the Bounds of Analysis to reflect this potential change; the revised document is attached for your consideration. The hi-lighted text is what has been updated, as well as a new Figure (Figure S1).

Please call me if you have any questions.
Thanks!
Cara

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Sent: Thursday, July 02, 2009 5:32 PM
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Cc: Richard Periman; Beverley A Everson; Tom Furgason
Subject: RE: Rosemont Socioeconomics Analysis - spatial and temporal bounds

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TEL 520-388-8458
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"Cara Bellavia" <cbellavia@swca.com>

05/28/2009 09:23 AM

To "Sarah L Davis" <sldavis@fs.fed.us>
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Subject Rosemont Socioeconomics Analysis

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From: [Cara Bellavia](#)
To: [Sarah L Davis](#)
Subject: RE: Rosemont Socioeconomics Analysis
Date: 06/08/2009 10:26 AM

Hi Sarah,

I just wanted to touch base...hope you had a nice week away! Please call me at your convenience today.

Thanks,
Cara

From: Cara Bellavia
Sent: Monday, June 01, 2009 7:57 AM
To: 'Sarah L Davis'
Subject: RE: Rosemont Socioeconomics Analysis

Hi Sarah,

I look forward to your call on the 8th.

Thanks,
Cara

From: Sarah L Davis [mailto:sldavis@fs.fed.us]
Sent: Friday, May 29, 2009 3:52 PM
To: Cara Bellavia
Subject: Re: Rosemont Socioeconomics Analysis

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FAX 520-388-8332

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05/28/2009 09:23 AM

To "Sarah L Davis" <sldavis@fs.fed.us>

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Subject Rosemont Socioeconomics Analysis

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From: [Cara Bellavia](#)
To: [Sarah L Davis](#)
Subject: RE: Rosemont Socioeconomics Analysis
Date: 06/12/2009 09:31 AM
Attachments: [Rosemont_boundsofanalysis_SOCIO_061209.doc](#)

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"Cara Bellavia" <cbellavia@swca.com>

05/28/2009 09:23 AM

To "Sarah L Davis" <sldavis@fs.fed.us>

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From: [Cara Bellavia](#)
To: [Sarah L Davis](#)
Subject: RE: Rosemont Socioeconomics Analysis
Date: 06/01/2009 07:56 AM

Hi Sarah,

I look forward to your call on the 8th.

Thanks,
Cara

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Sent: Friday, May 29, 2009 3:52 PM
To: Cara Bellavia
Subject: Re: Rosemont Socioeconomics Analysis

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cc
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From: [Cara Bellavia](#)
To: [Sarah L Davis](#)
Subject: RE: Rosemont Socioeconomics Outline (2nd reply)
Date: 03/31/2009 03:28 PM

Hi Sarah,

Thanks, this is great!

-Cara

From: Sarah L Davis [mailto:sldavis@fs.fed.us]
Sent: Monday, March 30, 2009 5:21 PM
To: Cara Bellavia
Subject: RE: Rosemont Socioeconomics Outline (2nd reply)

Got some input back from our Regional Office to add to the outline:

(I will be on vacation from April 2-16.)

Sarah L. Davis, ASLA
Plan Revision Team
Coronado National Forest
TEL 520-388-8458
FAX 520-388-8332

"Cara Bellavia" <cbellavia@swca.com>
03/26/2009 10:38 AM

To "Sarah L Davis" <sldavis@fs.fed.us>
cc "Charles Coyle" <ccoyle@swca.com>
Subject RE: Rosemont Socioeconomics Outline

Hi Sarah,

Thanks for your feedback! I added that specifically to the outline so we don't forget later. Revised outline attached.

Thanks again!
Cara

Cara Bellavia
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3033 N. Central Ave., Suite 145
Phoenix, AZ 85012
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www.swca.com

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Please consider the environment before printing this email

From: Sarah L Davis [mailto:sldavis@fs.fed.us]

Sent: Thursday, March 26, 2009 9:54 AM

To: Cara Bellavia

Subject: Rosemont Socioeconomics Outline

This outline looks good. "Quality of Life" should be sure to mention the value of the public lands in the area. There are many acres and they are part of the draw to the area - scenery, quiet, recreation opportunities, etc. - so indirectly "economic" - attracting new residents and tourists alike.

Sarah L. Davis, ASLA
Plan Revision Team
Coronado National Forest
TEL 520-388-8458
FAX 520-388-8332

From: [Cara Bellavia](#)
To: [Sarah L Davis](#)
Cc: [Charles Coyle](#)
Subject: RE: Rosemont Socioeconomics Outline
Date: 03/26/2009 10:38 AM
Attachments: [Rosemont EIS_Ch3Outline_SOCIO_REV.doc](#)

Hi Sarah,

Thanks for your feedback! I added that specifically to the outline so we don't forget later. Revised outline attached.

Thanks again!
Cara

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Coronado National Forest
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FAX 520-388-8332

From: [Cara Bellavia](#)
To: [Sarah L Davis](#)
Subject: RE: Rosemont Socioeconomics Outline
Date: 03/09/2009 11:38 AM

Hi Sarah, sounds good. Thanks!

-----Original Message-----

From: Sarah L Davis [<mailto:sldavis@fs.fed.us>]
Sent: Mon 3/9/2009 11:25 AM
To: Cara Bellavia
Subject: Re: Rosemont Socioeconomics Outline

Cara, sorry I was out of the office all week - will review it and get back with you.

Sarah L. Davis, ASLA
Plan Revision Team
Coronado National Forest
TEL 520-388-8458
FAX 520-388-8332

"Cara Bellavia" <cbellavia@swca.com>
03/06/2009 02:45 PM

To
<sldavis@fs.fed.us>
cc
"Charles Coyle" <ccoyle@swca.com>
Subject
Rosemont Socioeconomics Outline

Hi Sarah,
I left you a voicemail on Tuesday (3/3/09) and haven't heard back from you, so I thought I would follow up via email. I will be working with you on the Socioeconomics and Environmental Justice resource sections of the Rosemont EIS, and I wanted to coordinate the Affected Environment outline with you. Please see the attached draft outline, for your review. If you have any questions or comments, please let me know.

Thank you!

Cara
Cara Bellavia
SWCA Environmental Consultants
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Phoenix, AZ 85012
P 602.274.3831 | F 602.274.3958
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<<Rosemont EIS_Ch3Outline_SOCIO.doc>>

From: [Beverley A Everson](#)
To: [Tami Emmett](#)
Cc: [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [gmckay@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [kellett@fs.fed.us](#); [ljones02@fs.fed.us](#); [Mary M Farrell](#); [Melinda D Roth](#); [mreichard@swca.com](#); [rlefevre@fs.fed.us](#); [sldavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [tfurgason@swca.com](#); [Walter Keyes](#); [William B Gillespie](#)
Subject: Re: September 16 Rosemont Copper Project Core IDT Meeting
Date: 09/11/2009 04:52 PM

Tami,

I'll continue to remind everyone about cell phone usage. I'm not sure what to say about people occasionally falling asleep in meetings...do you have a suggestion?

I'll be in the office all next week if you want to talk about this some more.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

Tami Emmett/R3/USDAFS

09/11/2009 03:31 PM

To Beverley A Everson/R3/USDAFS@FSNOTES

cc abelauskas@fs.fed.us, aelek@fs.fed.us, Beverley A Everson/R3/USDAFS@FSNOTES, dkriegel@fs.fed.us, dsebesta@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, jable@fs.fed.us, kbrown03@fs.fed.us, kellett@fs.fed.us, ljones02@fs.fed.us, Mary M Farrell/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES, mreichard@swca.com, rlefevre@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES

Subject Re: September 16 Rosemont Copper Project Core IDT Meeting [Link](#)

What about cell phone usage and falling asleep?

Tami Emmett
Realty Specialist
Coronado National Forest, Region 3
Tucson, Arizona
520-388-8424 (office)
520-388-8305 (fax)

Beverley A Everson/R3/USDAFS

09/11/2009 03:29 PM

To Beverley A Everson/R3/USDAFS@FSNOTES

cc abelauskas@fs.fed.us, aelek@fs.fed.us, dkriegel@fs.fed.us, dsebesta@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, jable@fs.fed.us, kbrown03@fs.fed.us, kellett@fs.fed.us, ljones02@fs.fed.us, Mary M Farrell/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES, mreichard@swca.com, rlefevre@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, temmett@fs.fed.us, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES

Subject September 16 Rosemont Copper Project Core IDT Meeting [Link](#)

Hi Team,

Thanks to all of you who participated in this week's IDT meeting. We worked very hard, and got a lot done.

Please plan on a full day core team meeting next Wednesday, September 16, from 9:00 to 4:30. Plan on a half hour lunch, either bringing your lunch or ordering out with whoever else is doing that.

We will continue to review cooperating agency (CA) comments on alternatives in the meeting on the 16th. Please read all the CA letters prior to the meeting, and be prepared to discuss them. I've sent all of you links to the letters in WebEx and a link to the letters posted to our new website. Team members were also provided hard copies of the letters this past Wednesday, and I have other binder sets of the hard copies for those of you who still need them (let me know if you'd like one).

Mary and Bill, it would be helpful if one of you can attend the meeting next week, for heritage and TCP input. Please let me know if either of you can make it.

Lastly, I want to talk about conduct in team meetings. In the meeting this past Wednesday, there were lengthy side conversations and note passing occurring while Tom Furgason was presenting the issues and units of measure. This kind of behavior is distracting and disruptive for the presenter and other meeting participants, and it's unprofessional. Please come to the meetings prepared to focus on the work at hand, engage in group discussion, and most importantly, maintain respect for presenters and other meeting attendees.

Thanks, and see you Wednesday.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

From: [Salek Shafiqullah](#)
To: [Beverley A Everson](#)
Cc: [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [Beverley A Everson](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [gmckay@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [kellett@fs.fed.us](#); [ljones02@fs.fed.us](#); [Mary M Farrell](#); [Melinda D Roth](#); [mreichard@swca.com](#); [rlefevre@fs.fed.us](#); [sldavis@fs.fed.us](#); [temmett@fs.fed.us](#); [tfurgason@swca.com](#); [Walter Keyes](#); [William B Gillespie](#)
Subject: Re: September 16 Rosemont Copper Project Core IDT Meeting
Date: 09/15/2009 02:19 PM

Hello Bev,

I won't be able to attend the meeting and will try to tie in with you early next week to catch up.

Thanks.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

Beverley A Everson/R3/USDAFS

09/11/2009 03:29 PM

To Beverley A Everson/R3/USDAFS@FSNOTES

cc abelauskas@fs.fed.us, aelek@fs.fed.us, dkriegel@fs.fed.us, dsebesta@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, jable@fs.fed.us, kbrown03@fs.fed.us, kellett@fs.fed.us, ljones02@fs.fed.us, Mary M Farrell/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES, mreichard@swca.com, rlefevre@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, temmett@fs.fed.us, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES

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To: [Beverley A Everson](#)
Cc: [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [Beverley A Everson](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [gmckay@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [kellett@fs.fed.us](#); [ljones02@fs.fed.us](#); [Mary M Farrell](#); [Melinda D Roth](#); [mreichard@swca.com](#); [rlefevre@fs.fed.us](#); [sldavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [tfurgason@swca.com](#); [Walter Keyes](#); [William B Gillespie](#)
Subject: Re: September 16 Rosemont Copper Project Core IDT Meeting
Date: 09/11/2009 03:31 PM

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09/11/2009 03:29 PM

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We will continue to review cooperating agency (CA) comments on alternatives in the meeting on the 16th. Please read all the CA letters prior to the meeting, and be prepared to discuss them. I've sent all of you links to the letters in WebEx and a link to the letters posted to our new website. Team members were also provided hard copies of the letters this past Wednesday, and I have other binder sets of the hard copies for those of you who still need them (let me know if you'd like one).

Mary and Bill, it would be helpful if one of you can attend the meeting next week, for heritage and TCP input. Please let me know if either of you can make it.

Lastly, I want to talk about conduct in team meetings. In the meeting this past Wednesday, there were lengthy side conversations and note passing occurring while Tom Furgason was presenting the issues and units of measure. This kind of behavior is distracting and disruptive for the presenter and other meeting participants, and it's unprofessional. Please come to the meetings prepared to focus on the work at hand, engage in group discussion, and most importantly, maintain respect for presenters and other meeting attendees.

Thanks, and see you Wednesday.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Cc: [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [gmckay@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [kellett@fs.fed.us](#); [ljones02@fs.fed.us](#); [Mary M Farrell](#); [Melinda D Roth](#); [mreichard@swca.com](#); [rlefevre@fs.fed.us](#); [sldavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [Tami Emmett](#); [tfurgason@swca.com](#); [Walter Keyes](#); [William B Gillespie](#)
Subject: Re: September 23 Rosemont Copper Project IDT meeting
Date: 09/18/2009 01:52 PM

This is a core team meeting, though as always, extended team is encouraged to come if available.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

Beverley A Everson/R3/USDAFS

09/18/2009 01:49 PM

To Beverley A Everson/R3/USDAFS@FSNOTES

cc abelauskas@fs.fed.us, aelek@fs.fed.us, dkriegel@fs.fed.us, dsebesta@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, jable@fs.fed.us, kbrown03@fs.fed.us, kellett@fs.fed.us, ljones02@fs.fed.us, Mary M Farrell/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES, mreichard@swca.com, rlefevre@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, Tami Emmett/R3/USDAFS@FSNOTES, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES

Subject September 23 Rosemont Copper Project IDT meeting [Link](#)

Please plan on a full day in 4B (bring your parkas) to wrap up discussion of cooperating agency input on alternatives, and to begin discussion of effects analysis. We will start at 9:00 and have a half hour lunch.

Thanks.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [Beverley A Everson](#)
To: [Robert Lefevre](#)
Subject: Re: September 23 Rosemont Copper Project IDT meeting
Date: 09/18/2009 03:47 PM

Actually, yes...there is a lot to know to prepare for retirement, at least for those of us in FERS. I'll be sending links to the team for the newest cooperating agency letters that have come in. Please provide comments by next Wednesday if you have any.

Thanks for letting me know you can't make the meeting.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

▼ [Robert Lefevre/R3/USDAFS](#)

**Robert
Lefevre/R3/USDAFS**

To: Beverley A Everson/R3/USDAFS@FSNOTES
cc

09/18/2009 03:01 PM

Subject: Re: September 23 Rosemont Copper Project IDT meeting 

Thank you for the reminder, Bev, but on September 23 I will be at retirement training. Can you believe there is training for retirement?

Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373

▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A
Everson/R3/USDAFS**

To: Beverley A Everson/R3/USDAFS@FSNOTES
cc: abelauskas@fs.fed.us, aelek@fs.fed.us,
dkriegel@fs.fed.us, dsebesta@fs.fed.us,
ecuriel@fs.fed.us, gmckay@fs.fed.us, jable@fs.fed.us,
kbrown03@fs.fed.us, kellett@fs.fed.us,
ljones02@fs.fed.us, Mary M
Farrell/R3/USDAFS@FSNOTES, Melinda D
Roth/R3/USDAFS@FSNOTES, mreichard@swca.com,

09/18/2009 01:52 PM

rlefevre@fs.fed.us, sldavis@fs.fed.us,
sshafiqullah@fs.fed.us, Tami
Emmett/R3/USDAFS@FSNOTES, tfurgason@swca.com,
Walter Keyes/R3/USDAFS@FSNOTES, William B
Gillespie/R3/USDAFS@FSNOTES

Subject Re: September 23 Rosemont Copper Project IDT
meeting 

This is a core team meeting, though as always, extended team is encouraged to come if available.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
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Voice: 520-388-8428
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**Beverley A
Everson/R3/USDAFS**

09/18/2009 01:49 PM

To Beverley A Everson/R3/USDAFS@FSNOTES

cc abelauskas@fs.fed.us, aelek@fs.fed.us, dkriegel@fs.fed.us, dsebesta@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, jable@fs.fed.us, kbrown03@fs.fed.us, kellett@fs.fed.us, ljones02@fs.fed.us, Mary M Farrell/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES, mreichard@swca.com, rlefevre@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, Tami Emmett/R3/USDAFS@FSNOTES, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES

Subject September 23 Rosemont Copper Project IDT meeting [Link](#)

Please plan on a full day in 4B (bring your parkas) to wrap up discussion of cooperating agency input on alternatives, and to begin discussion of effects analysis. We will start at 9:00 and have a half hour lunch.

Thanks.

Bev

Beverley A. Everson
Forest Geologist

Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [Geoff Soroka](#)
To: [Larry Jones](#); [Deborah K Sebesta](#); rlefevre@fs.fed.us
Subject: RE: Units of Measure
Date: 09/22/2009 11:39 AM

Have any of you been able to look this over yet? If you have any thoughts, please let me know.

Thanks!

Geoffrey Soroka
SWCA Biologist/Project Manager
Tucson Office
(520) 325-9194
gsoroka@swca.com

From: Geoff Soroka
Sent: Monday, September 14, 2009 8:57 AM
To: 'Larry Jones'; 'Deborah K Sebesta'; 'rlefevre@fs.fed.us'
Subject: Units of Measure

Hello,

How are all my old office mates? Can you please look over the attached and see if you agree with SWCA's assessment of the "Issues and Units of Measure" for the "Plants and Animals" and "Riparian Habitat" issues? In addition, would you be willing to address Point #3 in the riparian section to come up with some sort of a way to measure the "Fragmentation of riparian habitat and corridors" issue?

Let me know if you think it would be beneficial for the 4 of us (or at least Larry, Bob, and I) to sit down for a half-hour or so at the SO and work through this. I am available today, but not tomorrow or possibly Wednesday.

Thank you!
Geoffrey Soroka
SWCA Biologist/Project Manager
Tucson Office
(520) 325-9194
gsoroka@swca.com

From: [Charles Coyle](#)
To: [Salek Shafiqullah](#); [Robert Lefevre](#); [Larry Jones](#); [Beverley A Everson](#); [Dale Ortman PE](#); [Rion Bowers](#); [Tom Furgason](#)
Subject: RE: water bounds of analysis
Date: 07/15/2009 08:36 AM
Attachments: [groundwater.pdf](#)
[surfacewater.pdf](#)
[watersupply.pdf](#)

Folks,

For your reference, attached are copies of all three water-related bounds of analysis maps (in their current drafts).

Charles

From: Rion Bowers
Sent: Thursday, July 09, 2009 7:45 AM
To: Robert Lefevre
Cc: Tom Furgason; Charles Coyle; Larry Jones; Salek Shafiqullah; Beverley A Everson; Dale Ortman PE
Subject: RE: bio.pdf

Bob,

The water resources bounds of analysis map is based on the rational presented in the attached memorandum. This memo covers onsite and offsite surface and ground water resources. You have the surface water map, and I have attached the proposed ground water bounds map as well. I believe this information was previously provided to Salek, so he should also have it for review. I hope you find this information helpful. Looking forward to your comments.

Thanks,

Rion

Rion J. Bowers
Senior Project Manager - Environmental Planner
SWCA Environmental Consultants
343 West Franklin Street
Tucson, Arizona 85701
e-mail: rbowers@swca.com
Phone: (520) 325-9194
Fax: (520) 325-2033

From: Robert Lefevre [<mailto:rlfevre@fs.fed.us>]
Sent: Wednesday, July 08, 2009 4:53 PM
To: Rion Bowers
Cc: Tom Furgason; Charles Coyle; Larry Jones; Salek Shafiqullah; Beverley A Everson
Subject: Re: bio.pdf

Hi, Rion. Thanks for sending me the maps for riparian and water resources bounds of analysis. I am working with Salek and Larry on a response. Before you get too far, I need to tell that the bounds are way too restrictive. I want to propose a larger area that will take into consideration the groundwater changes that will affect springs and consequently surface water and riparian areas after they dig the pit. I'll be sending a shapefile.

Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373

"Rion Bowers" <rbowers@swca.com>

To <rlefevre@fs.fed.us>

cc

07/07/2009 11:35 AM

Subject bio.pdf

[attachment "bio.pdf" deleted by Robert Lefevre/R3/USDAFS]

From: [Reta Laford](#)
To: [Jeanine Derby](#); [Reta Laford](#); [Keith L Graves](#); [Faye Fentiman](#); [John Able](#); [Salek Shafiqullah](#); [Teresa Ann Ciapusci](#); [Robert Lefevre](#); [Janet Jones](#); tfurguson@swca.com; mreichard@swca.com; jsturgess@agustaresource.com; [Stephen Edwards](#); [Larry Hall](#); [Andrew Quevedo](#); [Heidi Schewel](#); [Beverley A Everson](#)
Subject: READ - Safety Plan for Rosemont Open House April 22
Date: 04/18/2008 09:33 AM
Attachments: [2008 04 22 Sahaurita High School Cafeteria open house safety plan rev3.doc](#)

All - The attached safety plan, or its content in any form, are not to be shared outside of the meeting staff.

All - Please read the attached safety plan (revision 3). It has new information about parking and exiting.

All - There will be a short pre-meeting safety briefing.

Steve Edwards - Please see request for you to take a couple minutes at our pre-meeting safety briefing about how to handle confrontations or signal if assistance is desired.

John / Teresa Ann - Note the desire for using a monitor to present the process info.

John - Note that we have not arranged for a PA system from the facility.

Jamie - Please see that your folks are aware of this information.



2008 04 22 Sahaurita High School Cafeteria open house safety plan rev3.doc

Reta Laford, Deputy Forest Supervisor

USDA Forest Service, Coronado National Forest
300 W Congress Street, Tucson, AZ 85701

Phone: 520-388-8307 (office), 505-452-7557 (cell)
Fax: 520-388-8305
Email: rlaford@fs.fed.us

From: [Melissa Reichard](#)
To: tciapusci@fs.fed.us; sldavis@fs.fed.us
Cc: [Melinda D Roth](#)
Subject: Record question
Date: 11/24/2009 12:46 PM

On page 7, 4th bullet down it describes handling some electronic media. If a CD is received and the file on the file on the CD is available in hardcopy, can we toss the CD of the file that was transmitted?

Melissa Reichard

Project Administrator
SWCA Environmental Consultants
343 West Franklin Street
Tucson, Arizona 85701
(520)325-9194, (520)325-2033 fax

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*"Man's mind, once stretched by a new idea, never regains its original dimensions." -
Oliver Wendell Holmes*

From: [Melissa Reichard](#)
To: [Teresa Ann Ciapusci](#); [Sarah L Davis](#)
Cc: [Melinda D Roth](#)
Subject: Record question
Date: 11/25/2009 10:44 AM

Do you want the Geotechnical Drilling Record included or should we send those documents back to you? If so, is there a reference we should look for (i.e. project #)?

Melissa Reichard
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(520)325-9194, (520)325-2033 fax

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Oliver Wendell Holmes*

From: [Melissa Reichard](#)
To: [Teresa Ann Ciapusci](#); [Sarah L Davis](#); [Melinda D Roth](#)
Cc: [Beverley A Everson](#); [Tom Furgason](#); [Reta Laford](#); [Melissa Reichard](#)
Subject: Record questions
Date: 12/23/2009 10:49 AM
Attachments: [Record Question & Requests Tracking 122309.pdf](#)

All-

I began submitting these questions quite some time ago and still have not heard an answer on most of them. I have made note of all of the answers that I have decided to go with. Frankly, I can't wait for answers given my current timeline. I have a number of other decisions that have been made to fill in the gaps of the guidance. If you would like them, let me know.

Also, the biggest outstanding piece is references. The guidance leaves out this section entirely, other than it being listed in the schema. I will need to know, in writing, what and how-specifically you want documented pertaining to references. Which documents do you want references documented from? I should also note that this section will not be able to meet our current timeline. It could take months to compile this documentation outside of the current record project.

I also have not heard back on what the expectations are from SWCA pertaining to the resource documentation. We will need to discuss anything required of us other than receiving documents from the appropriate *specialists* to represent the work done for their resource.

I look forward to hearing your thoughts!
I hope you all have a nice holiday!

Melissa Reichard
Project Administrator
SWCA Environmental Consultants
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(520)325-9194, (520)325-2033 fax

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From: [Melissa Reichard](#)
To: [Melinda D Roth](#); [Sarah L Davis](#)
Cc: [Teresa Ann Ciapusci](#); [Tom Furgason](#); [Melissa Reichard](#)
Subject: Record questions
Date: 12/09/2009 11:47 AM

Ladies-

I have been working with our specialists about documenting their references. It was brought to my attention that it could take months, for example, to locate and document all references cited in the Arch Survey. I referred back to your guidance and did not find *any* direction to document references. However, I know this is something that Reta and TA were talking about since day 1. I need clarification ASAP on this. If you want references documented, I need to know EXACTLY what and how and any possible exceptions to this rule. This work will require a change order top Rosemont, so please respond as quickly as possible. We are working on an extremely limited timeline and I suspect that this portion of the record will not be able to be completed by the time the DEIS goes to Region.

Also, I still need clarification on the exact due date of the record to you and in what form. Originally, it was the end of March. In one of our last meetings, the timeline was changed to Feb 15 for submission to Region. Can you specify whether the new due date also applies to the record and whether you require all files, including electronic or if you will only need the basic index

Thanks!

Melissa Reichard
Project Administrator
SWCA Environmental Consultants
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Tucson, Arizona 85701
(520)325-9194, (520)325-2033 fax

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From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Cc: [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [gmckay@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [kellett@fs.fed.us](#); [ljones02@fs.fed.us](#); [Mary M Farrell](#); [Melinda D Roth](#); [mreichard@swca.com](#); [rlefevre@fs.fed.us](#); [sldavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [temmett@fs.fed.us](#); [tfurgason@fs.fed.us](#); [Walter Keyes](#); [wgillespie@fs.fed.us](#)
Subject: Reminder that tomorrow's IDT meeting is in 4B - this is the case for all second Wednesday of the month (extended team) meetings. See you at 9:00.
Date: 08/11/2009 04:58 PM

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [Teresa Ann Ciapusci](#)
To: pdl_r3_coronado_so_employees@FSNOTES
Subject: REMINDER: NEPA Webinar Training Opportunity Today and Tomorrow
Date: 07/29/2009 07:20 AM

Just a reminder that today and tomorrow, July 29 and 30, the Rosemont Copper Team is sponsoring an webinar series titled "Introduction to NEPA." The webinar is delivered in 2-hour sessions from 10:00 am to noon on the two consecutive days for a total of 4 hours of training. There is no cost to attend. The session may be viewed at the Tucson Public Works Building @ 130 West Congress, First Floor - Board of Supervisor's Hearing Room. The webinar provider, SWCA Environmental Consultants, recommends participants bring notetaking materials to the session.

Teresa Ann Ciapusci
Staff Officer
Ecosystem Management and Planning
Coronado National Forest
300 West Congress, FB42
Tucson, Arizona 85701
(520) 388-8350 office
(520) 237-0879 cellular
(520) 388-8305 fax

From: [Debby Kriegel](#)
To: [Melissa Reichard](#); [Beverley A Everson](#)
Cc: [Deborah K Sebesta](#); [Robert Lefevre](#); [Laura White](#); [Celeste A Gordon](#)
Subject: Rosemont - Wilderness Issue Statement
Date: 02/20/2009 10:35 AM
Attachments: [Theme 101_wksht 1.doc](#)
[Theme 101 Worksheet 2 E-VERSION 012109.doc](#)

I just met with Laura White. She read through the draft wilderness theme statement and looked over the screening criteria. She agrees that this should be carried forward as an issue for now, and that based on worksheet 2 it qualifies as a significant issue. Once there is a revised issue statement document we need to have her re-read this theme and wordsmith a bit.

Here are some comments:

1. On the worksheet 1 document notes, please re-word the first sentence to read "The area of the Proposed Action is not within a Wilderness area, but there may be effects" and add 2 sentences "Consider also potential effects to Rincon Mountain Wilderness." and "Analyze visibility of proposed project from wilderness, air quality, noise, and wilderness/trail access."
2. Should possible effects to Las Cienegas NCA be moved into another theme (maybe Wildlife)? Debbie: does this sound logical?
3. On worksheet 2, second question, add to the rationale box "FSM 2320 has some direction for air quality, etc."

Bob: Is Rincon Mountain Wilderness is in a class 1 airshed? If so, please let Melissa know that she should mention this in the notes.

Thanks.

▼ ["Melissa Reichard" <mreichard@swca.com>](#)

"Melissa Reichard"
<mreichard@swca.com>

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc

02/20/2009 09:10 AM

Subject Wilderness screening

Debby-

I had something unexpected come up yesterday that took me out of the office. I just got your message. I hope this takes care of it in time. Let me know if you need anything else. I will be in all day today.

Thanks!

[Melissa Reichard](#)
Project Administrator

SWCA Environmental Consultants
343 West Franklin Street
Tucson, Arizona 85701
(520)325-9194, (520)325-2033 fax

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Theme 101_wksht 1.doc Theme 101 Worksheet 2 E-VERSION 012109.doc

From: [Robert Lefevre](#)
To: [Mark J Fitch](#)
Cc: dmorrow@swca.com; [Beverley A Everson](#)
Bcc: [Robert Lefevre](#)
Subject: Rosemont Copper Mine - Air Quality Issues
Date: 09/15/2008 04:27 PM

DRAFT - Internal, Deliberative Correspondence Only

Mark, thank you for calling me back. Our consultant for Air Quality is Dave Morrow of SWCA. His contact information is

email: dmorrow@swca.com
phone: 805-543-7095

I briefly mentioned the expected issues the other day as being road dust, tailings pile dust, blasting, diesel exhaust, and commuter traffic exhaust. The Rosemont Copper consultant suggested Aermid as the model he wanted to use. Dave suggested we consider Calpuff. Dave asked me to recommend a model after talking to you.

Another item that came up was the proximity to Class I areas, which I thought might be Saguaro NP, Galiuro Wilderness, Chiricahua Wilderness, and Chiricahua NM. I have done a little GIS work, and there are actually only two Class I areas within 100 km: Saguaro NP and Galiuro Wilderness, but the Mt. Wrightson Wilderness (Class II) is less than 10 km away and you had mentioned that we should approach Class II Wilderness as if they were Class I. With that in mind, the Pusch Ridge Wilderness, Rincon Wilderness, and Miller Peak Wilderness Areas (all Class II) are within 100 km. And if we consider 300 km, the Chiricahua NM and Chiricahua Wilderness on the Coronado; plus the Mazatzal, Sierra Ancha, and Superstition WA's on the Tonto NF; and the Gila and Aldo Leopold WA's on the Gila also fall in as Class I areas. In addition, there are a lot of wilderness study areas and Class II wilderness areas within the 300 km that I haven't taken time to identify yet.

Locally, there are some residences as close as 2 km. So we have to figure out what the analysis area will be: 100 km or 300 km; and what the targets are within the selected distance.

DRAFT - Internal, Deliberative Correspondence Only

Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373

From: [Tom Furgason](#)
Sent By: [rosemonteis](#)
To: [Debby Kriegel](#); [George McKay](#); [Mindee Roth](#); [Art Elek](#); [Eli Curiel](#); [Kent Ellett](#); [Chris Garrett](#); [Reta Laford](#); [Ken Kertell](#); [Alan Belauskas](#); [Dale Ortman](#); [William Gillespie](#); [Robert Lefevre](#); [Beverley Everson](#); [Debbie Sebesta](#); [Walt Keyes](#)
Cc: kkertell@swca.com; [Teresa Ann Ciapusci](#); [Charles Coyle](#); [Geoff Soroka](#); [John MacIvor](#); [dreitz@swca.com](mailto:dreiz@swca.com)
Subject: Rosemont Copper Water Supply Project Design Concept Report
Date: 07/17/2009 03:38 PM

Rosemont delivered the ***Rosemont Copper Water Supply Project Design Concept Report*** today. I placed this report on WebEx (<https://rosemonteis.webexone.com/r.asp?a=5&id=150417>) if you are interested in this report. Please note that this report includes alignment and design information that could result in impacts other than groundwater.

Tom Furgason

Program Director 

[SWCA Environmental Consultants](#)

343 West Franklin Street

Tucson, AZ 85701

(520) 325-9194 ext. 110

(520) 820-5178 mobile

(520) 325-2033 fax

From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Cc: [Alan Belauskas](#); [Andrea W Campbell](#); [Arthur S Elek](#); ccoyle@swca.com; [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [Janet Jones](#); [John Able](#); [Keith L Graves](#); [Kendall Brown](#); [Kent C Ellett](#); [Larry Jones](#); [Mary M Farrell](#); mriechar@SWCA.com; [Reta Laford](#); [Robert Lefevre](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Tami Emmett](#); [Teresa Ann Ciapusci](#); tfurgason@swca.com; [Walter Keyes](#); [William B Gillespie](#)
Subject: Rosemont Core IDT meeting tomorrow
Date: 02/17/2009 12:30 PM

Hi Everyone,

This is to confirm that we will be having an IDT meeting tomorrow. The core team should have this day obligated for the meeting; for the extended team the meeting is optional, but please attend if your schedule allows.

In our meetings a couple of weeks ago, we determined that some potential issues were not issues at all, and others were not significant issues. Tomorrow we're going to refine our reasoning and expand on our documentation for these determinations.

We'll meet in 6V6 from 9:00 to 4:30, with a break for lunch.

Please bring the binders that you received at the Sept. 10 kick-off meeting.

Thanks.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [Kent C Ellett](#)
To: [Alan Belauskas](#); [Beverley A Everson](#); [William B Gillespie](#); [Robert Lefevre](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [Kendall Brown](#); [Sarah L Davis](#); [Salek Shafiqullah](#); [Walter Keyes](#); [Reta Laford](#); [Teresa Ann Ciapusci](#); [Jennifer Ruyle](#); [Mary M Farrell](#)
Subject: Rosemont EIS assignments due Friday 3/20 and Tues 3/24.
Date: 03/18/2009 05:47 PM

If you received this e-mail you probably have an assignment due Friday the 20th &/or next Tuesday the 24th.

EPG - 138 kV Transmission Line: Due Friday

We met with consultants EPG and SWCA today to discuss the proposed 138 kilovolt transmission line and the Cause & Effect/Issue Statements.

I've been waiting for EPG's Siting Criteria Worksheet and definition for the ratings (i.e., low, moderately low, moderate, etc.) to be emailed to me. It hasn't come yet. I'll check on it tomorrow so you have it to do your assignment of reviewing the proposed ratings and if you think an issue should be rated differently, state the rating it should have with your rationale and email it to me (Kent) by noon Friday so I can consolidate and send to EPG Friday afternoon.

1. **Debby Kriegel** to cover VQO and add SMS (Scenery Management System) and ROS (Recreation Opportunity Spectrum). Debby will get with the **GIS Shop** to provide GIS layers or shape files to EPG.
2. **Teresa Ann** assigned to send EPG the ftp site location for a GIS map with land uses designations and other special classifications such as T&E species critical habitat designations. Teresa Ann will coordinate with **Jennifer Ruyle**.
3. **Teresa Ann** to also get with **Erin Boyle** to address Wilderness.
4. **Kent** will coordinate with the **Heritage Shop** RE Cultural Resources.
5. **Larry Jones** and **Debbie Sebesta** to review Biological Resources section and provide their comments.
6. **Walt Keyes** to cover roads, particularly a new electricity line would need new service roads.

SWCA - Cause & Effect/Issue Statements: Due Next Tuesday.

Assignments: Send your comments to Bev with a cc to Rita and Teresa Ann by Tuesday afternoon so Bev can forward to SWCA Wednesday morning. This will give SWCA a couple days to review in preparation for the meeting with Rosemont on the 30th.

Theme#	Description	Assigned To:
31	Noise	Alan Belauskas
52	Reclamation Plan	Bev with Walt making initial effort.
14	Archeology	Bill Gillespie with Mary Farrell over Tribal
1, 3	Air Pollution	Bob LeFevre
57	Riparian Vegetation	Bob LeFevre
65	Soils	Bob LeFevre
101	Wilderness	Debbie Kriegel with Laura White
56	Recreation	Debby Kriegel
84	Visual Resources	Debby Kriegel
69	Special Status Species	Debbie Sebesta
79	Vegetation	Debbie Sebesta
83, 102, 103, 104, 105	Wildlife Habitat	Debbie Sebesta with Larry Jones
91	Acid Rock Drainage	Eli Curiel
27, 28	Livestock Grazing	Kendall Brown
80, 89 (Partial), 90, 93	Mine Area Groundwater	Salek with Walt making initial effort
92	Potential Pit Lake	Salek with Walt making initial effort
15, 61	Socioeconomics/Environmental Justice	Sarah Davis
25	Outdoor Lighting	Sarah Davis
74	Transportation	Walt Keyes
94	Storm Water Control	Walt Keyes

"Dismissed Themes" #95 & #68 may be combined pending Regional Office input.

I have several hard copies of the documents we reviewed today and will put them on Rita's table if you need one. Electronic documents are available on Webex. Please contact John Able or Melissa Reichard (SWCA) if you need assistance with Webex. Melissa's phone number is 520-325-2033 and email is mreichard@swca.com

Good meeting today. Thanks for your focus & participation. Rita, thanks for the bagels.

Kent C. Ellett
District Ranger, Nogales RD
303 Old Tucson Road, Nogales, AZ 85621
520-761-6002 (w), 520-975-0902 (cell)

From: [Ben Gaddis](#)
To: sldavis@fs.fed.us
Cc: [Charles Coyle](#)
Subject: Rosemont EIS night sky bounds of analysis
Date: 07/08/2009 02:11 PM
Attachments: [Rosemont_NightSkyBoundsofAnalysis07012009.doc](#)
[light.pdf](#)

Sarah,

Attached are a map of the night sky draft bounds of analysis and word document explanation to accompany. Please let me know your thoughts when you get a chance. Again, I apologize for being so tardy in the delivery of this to you. I'm committed that it not happen again. Thanks very much and I look forward to continuing to work with you on this.

Best regards,

Ben

From: [Ben Gaddis](#)
To: SLDavis@fs.fed.us
Cc: [Charles Coyle](#)
Subject: Rosemont EIS Night Sky Outline
Date: 03/13/2009 04:45 PM
Attachments: [3.14 Lighting-SkyGlowOutline btq.doc](#)

Sarah,

Thanks for taking the time to speak with me this afternoon. I've attached a copy of the current draft outline for night sky. Please let me know if there are questions or if you'd like to discuss anything else. As I mentioned to you on the phone, I'm copying Charles Coyle (SWCA's project manager) on this email so that he is in the loop. Thanks again and have a great weekend.

Ben

Benjamin Gaddis
SWCA Environmental Consultants
257 E 200 S, Suite 200
Salt Lake City, Utah 84111
(801) 322-4307 x 209 office
(801) 259-3257 cell
Sound Science. Creative Solutions.
www.swca.com

From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Cc: [Alan Belauskas](#); [Andrea W Campbell](#); [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [Janet Jones](#); [John Able](#); [Keith L Graves](#); [Kendall Brown](#); [Larry Jones](#); [Mary M Farrell](#); mriechar@SWCA.com; [Reta Laford](#); [Robert Lefevre](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Tami Emmett](#); [Teresa Ann Ciapucci](#); tfurgason@swca.com; [Walter Keyes](#); [William B Gillespie](#); [Arthur S Elek](#); [Kent C Ellett](#)
Subject: Rosemont Extended Team meeting tomorrow in 4B, not at NAFRI
Date: 02/10/2009 10:15 AM

The Webex reminder for the meeting tomorrow is incorrect. We will be meeting in 4B in the S.O., not at NAFRI. The meeting starts at 9:00.

See you there.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [Melinda D Roth](#)
To: [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [jable@fs.fed.us](#); [sldavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [Walter Keyes](#); [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [ecuriel@fs.fed.us](#); [gmckay@fs.fed.us](#); [kbrown03@fs.fed.us](#); [kellett@fs.fed.us](#); [ljones02@fs.fed.us](#); [Mary M Farrell](#); [rlefevre@fs.fed.us](#); [temmett@fs.fed.us](#); [William B Gillespie](#); [rlaford@fs.fed.us](#); [beverson@fs.fed.us](#); [Teresa Ann Ciapusci](#); [mreichard@swca.com](#); [tfurgason@swca.com](#); [ccoyle@swca.com](#); [Heidi Schewel](#)
Subject: Rosemont FAQs
Date: 09/08/2009 03:34 PM
Attachments: [FAQ list.docx](#)

I'd like to develop and post to our website some basic project information. Basic information could help 1) educate the public about the project 2) answer general questions 3) limit mis-information 4) limit the time required to answer basic questions... I'd like to ask you all to review the list of questions I have and give me some input on other basic questions that come to mind. Thanks.

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

From: [Beverley A Everson](#)
To: [Reta Laford](#); [Teresa Ann Ciapusci](#); [John Able](#); [Andrea W Campbell](#); [Jennifer Ruyle](#); [Beverley A Everson](#); [Walter Keyes](#); [Salek Shafiqullah](#); [Debby Kriegel](#); [Keith L Graves](#); [Deborah K Sebesta](#); [Tami Emmett](#); [George McKay](#); [Robert Lefevre](#); [Shane Lyman](#); [Eli Curiel](#); [Christopher C LeBlanc](#); [William B Gillespie](#); [Mary M Farrell](#); [Alan Belauskas](#); [Kendall Brown](#); [Thomas Skinner](#); [Larry Jones](#); [Kendra L Bourgart](#); [Janet Jones](#); [Roxane M Raley](#); [Heidi Schewel](#); tfurgason@swca.com; mreichard@swc.com; gSOROKA@swca.com; kcox@swca.com; rbowers@swca.com; jmacivor@swca.com; [Charles A Blair](#)
Subject: Rosemont field trip white papers - try again
Date: 08/22/2008 03:43 PM
Attachments: [carlotta.pdf](#)
[BHP San Manuel.pdf](#)
[Tyrone Information.pdf](#)
[Rosemont Tour Information.pdf](#)

I'm not sure why no one could open the papers previously, but let's try again. This time I saved them as files (from the email that I rec'd them in, and could open them from), and am reattaching them for mailing to you.



[carlotta.pdf](#) [BHP San Manuel.pdf](#) [Tyrone Information.pdf](#) [Rosemont Tour Information.pdf](#)

Beverley A. Everson
Forest Geologist
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Tucson, AZ. 85701

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From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Cc: [Alan Belauskas](#); [Andrea W Campbell](#); [Arthur S Elek](#); ccoyle@swca.com; [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [Janet Jones](#); [John Able](#); [Keith L Graves](#); [Kendall Brown](#); [Kent C Ellett](#); [Larry Jones](#); [Mary M Farrell](#); mriechar@SWCA.com; [Reta Laford](#); [Robert Lefevre](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Tami Emmett](#); [Teresa Ann Ciapusci](#); tfurgason@swca.com; [Walter Keyes](#); [William B Gillespie](#)
Subject: Rosemont IDT meeting tomorrow
Date: 04/07/2009 10:48 AM

We will be meeting tomorrow at 9:00 in 4B. We will be developing alternatives, so it should be an interesting day.

Please note the meeting time, as I told a couple of people that the meeting would start at 8:30. We'll be going to 4:30.

Also, core team, please plan on Wednesday meetings for the rest of the month. We'll continue to work on alternatives after tomorrow's meeting.

Thanks, everyone.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [Melinda D Roth](#)
To: [Robert Lefevre](#); [William B Gillespie](#); [Sarah L Davis](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Walter Keyes](#); [Salek Shafiqullah](#); [Eli Curiel](#); [Beverley A Everson](#); [Kent C Ellett](#); [Arthur S Elek](#)
Cc: [Richard A Gerhart](#); [Larry Jones](#); [Alan Belauskas](#); [Tami Emmett](#); [George McKay](#); [Pete Schwab](#); [Kendall Brown](#); [Christopher C LeBlanc](#); [Mary M Farrell](#); [John Able](#); [Teresa Ann Ciapusci](#); ccoyle@swca.com; tfurgason@swca.com
Subject: Rosemont Issue Statements and Units of Measure
Date: 07/13/2009 09:33 AM
Attachments: [units_of_measure2.doc](#)
[07132009_issue_statements_for IDT_review.doc](#)

Review and comment by Wed., IDT discussion July 22nd meeting...



units_of_measure2.doc 07132009_issue_statements_for IDT_review.doc

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From: [Melissa Reichard](#)
Sent By: [rosemonteis](#)
To: [rgerhart@fs.fed.us](#); [sldavis@fs.fed.us](#); [awcampbell@fs.fed.us](#); [sgriset@swca.com](#); [tfurgason@swca.com](#); [rbowers@swca.com](#); [gmckay@fs.fed.us](#); [mjfitch@fs.fed.us](#); [tciapuci@fs.fed.us](#); [mrobertson@swca.com](#); [beverson@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [dsebesta@fs.fed.us](#); [wgillespie@fs.fed.us](#); [jhesse@swca.com](#); [klgraves@fs.fed.us](#); [aelek@fs.fed.us](#); [treeder@swca.com](#); [jhider@swca.com](#); [hschewel@fs.fed.us](#); [ccoyle@swca.com](#); [jderby@fs.fed.us](#); [mfarrell@fs.fed.us](#); [khouser@swca.com](#); [wkeyes@fs.fed.us](#); [mthrash@swca.com](#); [sshafiqullah@fs.fed.us](#); [temmett@fs.fed.us](#); [gsoroka@swca.com](#); [tklarson@swca.com](#); [ecuriel@fs.fed.us](#); [ljones02@fs.fed.us](#); [devinquintana@fs.fed.us](#); [rmraley@fs.fed.us](#); [mbidwell@swca.com](#); [rellis@swca.com](#); [jconnell@swca.com](#); [ccleblanc@fs.fed.us](#); [dkeane@swca.com](#); [mroth@fs.fed.us](#); [daleortmanpe@live.com](#); [kellett@fs.fed.us](#); [lccgarrett77@msn.com](#); [bschneid@email.arizona.edu](#); [rlaford@fs.fed.us](#); [rlefevre@fs.fed.us](#); [abelauskas@fs.fed.us](#); [kkertell@swca.com](#); [dkriegel@fs.fed.us](#); [mreichard@swca.com](#); [bgaddis@swca.com](#); [kserrato@swca.com](#); [jsautter@fs.fed.us](#); [cbellavia@swca.com](#)
Cc: [Melissa Reichard](#)
Subject: Rosemont Power Transmission
Date: 09/29/2009 04:36 PM

All-

I have posted a report done by KR Saline titled 2009 Plan of Service Study Report prepared for TEP. According to the Executive Summary, it documents the technical performance of the transmission plan of service proposed by Rosemont.

<<https://rosemonteis.webexone.com/r.asp?a=5&id=154680>>

Thanks!

Mel

From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Cc: [Alan Belauskas](#); [Andrea W Campbell](#); [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [Janet Jones](#); [Jennifer Ruyle](#); [John Able](#); [Keith L Graves](#); [Kendall Brown](#); [Kendra L Bourgart](#); [Larry Jones](#); [Mary M Farrell](#); [Robert Lefevre](#); [Roxane M Raley](#); [Salek Shafiqullah](#); [Shane Lyman](#); [Tami Emmett](#); [Teresa Ann Ciapuci](#); tfurgason@swca.com; [Thomas Skinner](#); [Walter Keyes](#); [William B Gillespie](#)
Subject: Rosemont project job code, CWFS24
Date: 08/06/2008 07:43 AM

Please be sure to charge to the Rosemont project job code for field trips and any and all other project work. If you worked on Rosemont during the pay period that just ended, and did not charge to Rosemont, please do a corrected timesheet to charge to the project.

Thank you.

Bev

From: [Cara Bellavia](#)
To: [Sarah L Davis](#)
Subject: Rosemont Socioeconomics Analysis
Date: 05/28/2009 09:23 AM

Hi Sarah,

Can we set up a time to chat regarding what the FS would like the bounds of analysis (both spatial and temporal) to be for socioeconomics for the Rosemont Copper mine project? I am hoping we can connect some time next week (the week of June 1)?

In our our draft cause and effect statements, which I understand are not finalized yet, we proposed a 100-mile buffer from the mine to analyze in terms of the spatial bounds.

Let me know when you are available.
Thanks,
Cara

Cara Bellavia
SWCA Environmental Consultants
3033 N. Central Ave., Suite 145
Phoenix, AZ 85012
P 602.274.3831 | F 602.274.3958
www.swca.com
Sound Science. Creative Solutions.
Please consider the environment before printing this email

From: [Cara Bellavia](#)
To: sldavis@fs.fed.us
Cc: [Charles Coyle](#)
Subject: Rosemont Socioeconomics Outline
Date: 03/06/2009 02:45 PM
Attachments: [Rosemont EIS_Ch3Outline_SOCIO.doc](#)

Hi Sarah,

I left you a voicemail on Tuesday (3/3/09) and haven't heard back from you, so I thought I would follow up via email. I will be working with you on the Socioeconomics and Environmental Justice resource sections of the Rosemont EIS, and I wanted to coordinate the Affected Environment outline with you. Please see the attached draft outline, for your review. If you have any questions or comments, please let me know.

Thank you!
Cara

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<<Rosemont EIS_Ch3Outline_SOCIO.doc>>

From: [Cara Bellavia](#)
To: sldavis@fs.fed.us
Cc: [Charles Coyle](#)
Subject: Rosemont Socioeconomics Outline
Date: 03/06/2009 02:45 PM
Attachments: [Rosemont EIS_Ch3Outline_SOCIO.doc](#)

Hi Sarah,

I left you a voicemail on Tuesday (3/3/09) and haven't heard back from you, so I thought I would follow up via email. I will be working with you on the Socioeconomics and Environmental Justice resource sections of the Rosemont EIS, and I wanted to coordinate the Affected Environment outline with you. Please see the attached draft outline, for your review. If you have any questions or comments, please let me know.

Thank you!
Cara

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<<Rosemont EIS_Ch3Outline_SOCIO.doc>>

From: [David Morrow](#)
To: [Tom Furgason](#); [Robert Lefevre](#)
Subject: Rosemont sustainability ideas
Date: 11/20/2008 06:32 PM
Attachments: [DDM Rosemont Sustainability Ideas Memo.doc](#)

Gentlemen,

I have spoken about this a bit with each of you and I wanted to get it down on paper in a way that it can be shared with others if desired. I present my ideas in sketch form – there is a lot more information that I can share about these ideas if desired.

David Morrow AICP
Air and Noise Specialist
SWCA Environmental Consultants
1422 Monterey St. C200
San Luis Obispo CA 93401
P 805.543.7095 x106
C 206.330.6727

Please consider the environment before printing this e-mail

From: [Melissa Reichard](#)
Sent By: [rosemonteis](#)
To: [sldavis@fs.fed.us](#); [gmckay@fs.fed.us](#); [ehornung@swca.com](#); [sgriset@swca.com](#); [tfurgason@swca.com](#); [rbowers@swca.com](#); [mjfitch@fs.fed.us](#); [tciapusci@fs.fed.us](#); [awcampbell@fs.fed.us](#); [beverson@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [jhesse@swca.com](#); [aelek@fs.fed.us](#); [wgillespie@fs.fed.us](#); [hschewel@fs.fed.us](#); [ccoyle@swca.com](#); [jderby@fs.fed.us](#); [mfarrell@fs.fed.us](#); [khouser@swca.com](#); [wkeyes@fs.fed.us](#); [dkriegel@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [jgrams@swca.com](#); [temmett@fs.fed.us](#); [gsoroka@swca.com](#); [ccleblanc@fs.fed.us](#); [ecuriel@fs.fed.us](#); [ljones02@fs.fed.us](#); [kpohs@swca.com](#); [hhall@swca.com](#); [mbidwell@swca.com](#); [rellis@swca.com](#); [jconnell@swca.com](#); [rmraley@fs.fed.us](#); [dkeane@swca.com](#); [klgraves@fs.fed.us](#); [daleortmanpe@live.com](#); [kellett@fs.fed.us](#); [lccgarrett77@msn.com](#); [devinquintana@fs.fed.us](#); [rlaford@fs.fed.us](#); [rlefevre@fs.fed.us](#); [abelauskas@fs.fed.us](#); [kkertell@swca.com](#); [mreichard@swca.com](#); [bgaddis@swca.com](#); [kserrato@swca.com](#); [dsebesta@fs.fed.us](#); [cbellavia@swca.com](#)
Cc: [Melissa Reichard](#)
Subject: Rosemont Virtual Tour
Date: 05/07/2009 01:12 PM

Hello All-

I just got the Virtual Tour from Rosemont. Basically, it is Jamie Sturgess talking about Rosemont's plans, the current and future operations. Some explanation of Core samples and the type of ore deposit is also discussed. Although it is from their website and is done according to that audience, it does offer some good shots of the area and the land where the pit is proposed and also some views out to SR83 etc. So, take a look if you are interested.

Thanks!

Mel

P.S. It will probably require your computer to have Quicktime or other movie viewing software installed.

Here's something on Rosemont Copper Project EIS that I'd like you to see. To go directly to the item, click the link below or paste it into your web browser. Please note that some email clients require that all the letters and numbers in the link appear on one line, or else it won't go to the right place.

<<https://rosemonteis.webexone.com/r.asp?a=5&id=144756>>

From: [Tom Furgason](#)
Sent By: [rosemonteis](#)
To: [Alan Belauskas](#); [Teresa Ann Ciapusci](#); [Reta Laford](#); [Larry Jones](#); [Debby Kriegel](#); [Robert Lefevre](#); [Art Elek](#); [Jeanine Derby](#); [Kent Ellett](#); [Sarah Davis](#); [Salek Shafiqullah](#); [George McKay](#); [Charles Coyle](#); [Eli Curiel](#); [Dale Ortman](#); [Debbie Sebesta](#); [Mary Farrell](#); [Walt Keyes](#); [Beverley Everson](#); [Mindee Roth](#); [Melissa Reichard](#); [William Gillespie](#)
Subject: Rosemont's Alternatives comparison
Date: 07/15/2009 04:03 PM

Here is the link to the table that Rosemont handed out today:
<<https://rosemonteis.webexone.com/r.asp?a=5&id=150240>>

Tom

From: [Melissa Reichard](#)
Sent By: [rosemonteis](#)
To: [kbrown03@fs.fed.us](#); [beverson@fs.fed.us](#); [kellett@fs.fed.us](#); [dkriegel@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [dsebesta@fs.fed.us](#); [wkeyes@fs.fed.us](#); [aelek@fs.fed.us](#); [temmett@fs.fed.us](#); [gmckay@fs.fed.us](#); [ljones02@fs.fed.us](#); [mfarrell@fs.fed.us](#); [abelauskas@fs.fed.us](#); [rlefevre@fs.fed.us](#); [tciapusci@fs.fed.us](#); [jable@fs.fed.us](#); [sldavis@fs.fed.us](#); [rlaford@fs.fed.us](#); [tfurgason@swca.com](#); [wgillespie@fs.fed.us](#); [teresa@ciapusci.com](#); [klgraves@fs.fed.us](#); [ecuriel@fs.fed.us](#)
Cc: [Charles Coyle](#); [mpetersen@swca.com](#); [Melissa Reichard](#)
Subject: Rosemont's proposed alternative
Date: 07/02/2009 12:39 PM

Hello All-

Rosemont has submitted their proposed alternative. I have uploaded it here:
<<https://rosemonteis.webexone.com/r.asp?a=5&id=149379>>

It is a fairly large file, so you will need to allow some time to download. If you have any issues with the file or need any help, please let me know.

Thanks!

Mel

From: [Beverley A Everson](#)
To: [Reta Laford](#); [Teresa Ann Ciapusci](#); [John Able](#); [Andrea W Campbell](#); [Jennifer Ruyle](#); [Beverley A Everson](#); [Walter Keyes](#); [Salek Shafiqullah](#); [Debby Kriegel](#); [Keith L Graves](#); [Deborah K Sebesta](#); [Tami Emmett](#); [George McKay](#); [Robert Lefevre](#); [Shane Lyman](#); [Eli Curiel](#); [Christopher C LeBlanc](#); [William B Gillespie](#); [Mary M Farrell](#); [Alan Belauskas](#); [Kendall Brown](#); [Thomas Skinner](#); [Larry Jones](#); [Kendra L Bourgart](#); [Janet Jones](#); [Roxane M Raley](#); [Heidi Schewel](#); tfurgason@swca.com; mreichard@swc.com; gsoroka@swca.com; kcox@swca.com; rbowers@swca.com; jmacivor@swca.com; [Charles A Blair](#)
Subject: San Manuel Field Trip, Wednesday, August 20, leaving at 7:00 a.m. from Federal Building
Date: 08/14/2008 01:18 PM

Hi Everyone,

We will be departing from in front of the Federal Building by bus for San Manuel promptly at **7:00 a.m.** next Wednesday. Please let me know if you live in the Oro Valley area and prefer to meet the bus there at the Home Depot Store at 10855 N. Oracle Rd. We will look for you between Home Depot and Sports Authority at around 7:30.

Most of Arizona's metal mines were operated in the late 1800s, typically as underground operations. San Manuel is no exception, however, large scale underground mining did not begin until 1952. Open pit mining began in 1985, and all operations ceased in 1999 due to low copper prices. Surface reclamation of the area began a couple of years later and was completed at a cost of \$59 million in May of 2006 (though some reworking of the reclamation areas has continued). The reclamation was a "topographic based" design where reclaimed areas were recountoured to blend with the surrounding natural topography and then revegetated.

The San Manuel operation was a very important part of the economy and history of the area for multiple generations. The toppling of the smelter stacks associated with the operation in January of 2007 was seen as progress to some, and the sad end of an era for others. We will learn a little more about the history of the operation with the site visit along with seeing the interesting reclamation techniques.

I will be forwarding a white paper comparing San Manuel and the proposed Rosemont Copper Project to you once I receive it from the company.

See you Wednesday.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [Melissa Reichard](mailto:Melissa.Reichard@rosemonteis.com)
Sent By: [rosemonteis](mailto:rosemonteis.com)
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Cc: [Melissa Reichard](mailto:Melissa.Reichard@rosemonteis.com)
Subject: Scoping comment attachments- Rosemont
Date: 10/09/2009 06:58 PM

Hello Everyone!

I have enclosed a link to the resource folders in WebEx. You will find all the resource studies that have been submitted by Rosemont or the consultants to date within that applicable resource folder. You will also notice in most folders a subfolder labeled "Scoping attachments". I have uploaded all the attachments that were submitted within the scoping comments that could assist you in your analysis. These attachments are all different things from pictures, maps, specialist reports and everything in between. If you are working with more than one resource, you may find duplicate files in the different resources, as some files applied to more than one area. If you have any questions, please contact Bev (for FS) or Tom (for SWCA). If you have any issues accessing files, please contact me.

Some of these files are pretty interesting. Thank you for all of your hard work!

Thanks!

Mel

<<https://rosemonteis.webexone.com/r.asp?a=12&id=24542>>

From: [Melissa Reichard](#)
Sent By: [rosemonteis](#)
To: [kscox@swca.com](#); [sldavis@fs.fed.us](#); [gmckay@fs.fed.us](#); [sgriset@swca.com](#); [tfurgason@swca.com](#); [rbowers@swca.com](#); [jezzo@swca.com](#); [tciapusci@fs.fed.us](#); [awcampbell@fs.fed.us](#); [beverson@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [klbourgart@fs.fed.us](#); [teuler@swca.com](#); [wgillespie@fs.fed.us](#); [hschewel@fs.fed.us](#); [tskinner@fs.fed.us](#); [mfarrell@fs.fed.us](#); [khouser@swca.com](#); [wkeyes@fs.fed.us](#); [dkriegel@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [temmett@fs.fed.us](#); [gsoroka@swca.com](#); [ccleblanc@fs.fed.us](#); [ecuriel@fs.fed.us](#); [ljones02@fs.fed.us](#); [kpohs@swca.com](#); [hhall@swca.com](#); [mbidwell@swca.com](#); [rellis@swca.com](#); [jconnell@swca.com](#); [rmraley@fs.fed.us](#); [klgraves@fs.fed.us](#); [daleortmanpe@live.com](#); [devinquintana@fs.fed.us](#); [rlaford@fs.fed.us](#); [rlefevre@fs.fed.us](#); [abelauskas@fs.fed.us](#); [mreichard@swca.com](#); [kserrato@swca.com](#); [dsebesta@fs.fed.us](#); [cbellavia@swca.com](#)
Subject: Scoping Comment Reports now available!
Date: 10/14/2008 02:25 PM

Here's something on Rosemont Copper Project EIS that I'd like you to see. To go directly to the item, click the link below or paste it into your web browser. Please note that some email clients require that all the letters and numbers in the link appear on one line, or else it won't go to the right place.

<https://rosemonteis.webexone.com/r.asp?a=3&id=10015>

From: [Melissa Reichard](#)
Sent By: [rosemonteis](#)
To: [kscox@swca.com](#); [sldavis@fs.fed.us](#); [gmckay@fs.fed.us](#); [sgriset@swca.com](#); [tfurgason@swca.com](#); [rbowers@swca.com](#); [mjfitch@fs.fed.us](#); [jezzo@swca.com](#); [tciapusci@fs.fed.us](#); [awcampbell@fs.fed.us](#); [beverson@fs.fed.us](#); [jable@fs.fed.us](#); [kbrown03@fs.fed.us](#); [klbourgart@fs.fed.us](#); [teuler@swca.com](#); [wgillespie@fs.fed.us](#); [hschewel@fs.fed.us](#); [tskinner@fs.fed.us](#); [jderby@fs.fed.us](#); [mfarrell@fs.fed.us](#); [khouser@swca.com](#); [wkeyes@fs.fed.us](#); [dkriegel@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [temmett@fs.fed.us](#); [gsoroka@swca.com](#); [ccleblanc@fs.fed.us](#); [ecuriel@fs.fed.us](#); [jjones02@fs.fed.us](#); [kpohs@swca.com](#); [hhall@swca.com](#); [mbidwell@swca.com](#); [rellis@swca.com](#); [jconnell@swca.com](#); [rmraley@fs.fed.us](#); [klgraves@fs.fed.us](#); [daleortmanpe@live.com](#); [devinquintana@fs.fed.us](#); [rlaford@fs.fed.us](#); [rlefevre@fs.fed.us](#); [abelauskas@fs.fed.us](#); [mreichard@swca.com](#); [kserrato@swca.com](#); [ccoyle@swca.com](#); [dsebesta@fs.fed.us](#); [cbellavia@swca.com](#)
Subject: Scoping Comment Reports now updated!
Date: 11/17/2008 12:04 PM

Here's something on Rosemont Copper Project EIS that I'd like you to see. To go directly to the item, click the link below or paste it into your web browser. Please note that some email clients require that all the letters and numbers in the link appear on one line, or else it won't go to the right place.

<https://rosemonteis.webexone.com/r.asp?a=3&id=10015>

From: [Beverley A Everson](#)
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Subject: Sept. 16, 2009 IDT Meeting Agenda
Date: 09/15/2009 04:49 PM
Attachments: [Sept. 16, 2009 IDT Meeting Agenda.doc](#)

FYI. A hard copy will be passed out in the meeting tomorrow.

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Cc: abelauskas@fs.fed.us; aelek@fs.fed.us; dkriegel@fs.fed.us; dsebesta@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; kellett@fs.fed.us; ljones02@fs.fed.us; [Mary M Farrell](mailto:Mary.M.Farrell@fs.fed.us); [Melinda D Roth](mailto:Melinda.D.Roth@swca.com); mreichard@swca.com; rlefevre@fs.fed.us; sldavis@fs.fed.us; sshafiqullah@fs.fed.us; temmett@fs.fed.us; tfurgason@swca.com; [Walter Keyes](mailto:Walter.Keyes@fs.fed.us); wgillespie@fs.fed.us
Subject: Sept. 2 Core IDT Meeting, change in agenda
Date: 09/01/2009 04:41 PM

Tomorrow's meeting will be focusing on alternative refinement, rather than the items I mentioned in my last email to you. The reasons for the change are as follows:

SWCA had stated that they would have a list of Units of Measure prepared for the meeting, but the list has not been completed.

After spending two days in and around the project area recently (August 21 and 22, on a field trip with Mountain Empire Action Alliance), Debby Kriegel has new concerns with visual impacts with the Sycamore Canyon Alternative, and would like to look at revising that alternative to address her concerns.

Rosemont Copper Company is objecting to placement of waste rock on mineralized ground on their private land north of the proposed pit area with the Sycamore Alternative and the Schofield Mcleary Alternative. The company's concerns are valid, as these mineralized areas could at some point (depending on future metals prices and technology) become viable ore deposits. We need to look at revising the alternatives so that there is no disposal on the patented claims.

I had intended to talk about the project schedule and work obligations for 2010, but we are behind in the schedule, and are going to be formally revising it. This won't change the number of days you'll be working on the project in the coming year, but when, in the course of the year, you'll be working on the different parts of the analysis. I had intended to share a Gantt chart with you tomorrow, but it won't be completed until the project schedule is changed.

See you at 9:00 in 6V6.

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Subject: Sept. 2 Rosemont Core team meeting and request for extended team input
Date: 08/27/2009 06:03 PM
Attachments: [Issue Resource Matrix.docx](#)

Please see the attachment with Mindee's email, below. We will be using this matrix in the IDT team meeting next Wednesday, to see what issues and corresponding units of measure overlap with one another. Core and extended team please look at the matrix and note where there is overlap in the X and Y axes, and describe the unit(s) of measure that would apply (refer to the issue statement table the team developed for a reference - in WebEx). Please provide your input on the matrix by September 2. We will compare what the team has for units of measure with a list that SWCA is compiling during the IDT meeting.

Meeting scheduling - the core team will be meeting in 6V6, from 9:00 to 4:30, with a half hour for lunch. Extended team, in particular heritage, is encourage to attend the meeting also if possible.

Agenda items for the meeting include: units of measure, 2010 Program of Work, project Gantt Chart, and a review of recent meetings and updates on the project.

Please let me know if you have questions about the meeting or the prework for the meeting.

Bev

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----- Forwarded by Beverley A Everson/R3/USDAFS on 08/26/2009 05:44 PM -----

Melinda D Roth/R3/USDAFS

To Beverley A Everson/R3/USDAFS@FSNOTES

cc

08/25/2009 03:37 PM

Subject Issue Overlap Table

Use this one. It's formatted to fit 8 1/2 X 11 paper...

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Subject: Sept. 23 IDT meeting cancelled; homework to follow shortly
Date: 09/22/2009 12:18 PM

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Subject: Sept. 9, 2009 IDT Meeting Agenda
Date: 09/08/2009 03:13 PM
Attachments: [Sept. 9, 2009 IDT Meeting Agenda.doc](#)

See you in the morning. Bev

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From: [Beverley A Everson](#)
To: [Alan Belauskas](#); [Andrea W Campbell](#); [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [Janet Jones](#); [Jennifer Ruyle](#); [John Able](#); [Keith L Graves](#); [Kendall Brown](#); [Kendra L Bourgart](#); [Larry Jones](#); [Mary M Farrell](#); [Robert Lefevre](#); [Roxane M Raley](#); [Salek Shafiqullah](#); [Shane Lyman](#); [Tami Emmett](#); [Teresa Ann Ciapusci](#); tfurgason@swca.com; [Thomas Skinner](#); [Walter Keyes](#); [William B Gillespie](#); [Mark E Schwab](#); [Michael A Linden](#); [Roger D Congdon](#); tfurgason@swca; mreichard@swca
Subject: September 10 Rosemont IDT Kick-off meeting agenda
Date: 09/05/2008 03:25 PM
Attachments: [Sept. 10 Agenda.doc](#)

Hi Team,

Please see the enclosed September 10 meeting agenda. See you there!



Sept. 10 Agenda.doc

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Subject: September 16 Rosemont Copper Project Core IDT Meeting
Date: 09/11/2009 03:29 PM

Hi Team,

Thanks to all of you who participated in this week's IDT meeting. We worked very hard, and got a lot done.

Please plan on a full day core team meeting next Wednesday, September 16, from 9:00 to 4:30. Plan on a half hour lunch, either bringing your lunch or ordering out with whoever else is doing that.

We will continue to review cooperating agency (CA) comments on alternatives in the meeting on the 16th. Please read all the CA letters prior to the meeting, and be prepared to discuss them. I've sent all of you links to the letters in WebEx and a link to the letters posted to our new website. Team members were also provided hard copies of the letters this past Wednesday, and I have other binder sets of the hard copies for those of you who still need them (let me know if you'd like one).

Mary and Bill, it would be helpful if one of you can attend the meeting next week, for heritage and TCP input. Please let me know if either of you can make it.

Lastly, I want to talk about conduct in team meetings. In the meeting this past Wednesday, there were lengthy side conversations and note passing occurring while Tom Furgason was presenting the issues and units of measure. This kind of behavior is distracting and disruptive for the presenter and other meeting participants, and it's unprofessional. Please come to the meetings prepared to focus on the work at hand, engage in group discussion, and most importantly, maintain respect for presenters and other meeting attendees.

Thanks, and see you Wednesday.

Bev

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Subject: September 23 Rosemont Copper Project IDT meeting
Date: 09/18/2009 01:49 PM

Please plan on a full day in 4B (bring your parkas) to wrap up discussion of cooperating agency input on alternatives, and to begin discussion of effects analysis. We will start at 9:00 and have a half hour lunch.

Thanks.

Bev

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Subject: September 9 EXTENDED TEAM meeting
Date: 09/04/2009 03:47 PM

We will be meeting in 4B, from 9:00 to 12:00, 12:30 to 4:30. We will be reviewing units of measure and alternatives, and the matrix that I sent out to everyone. Please submit your matrices to me by COB on Tuesday, if you haven't already done so.

We'll also have a WebEx overview, and may have a short R.O. presentation on professional interactions.

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Subject: September 9 IDT meeting
Date: 09/04/2009 04:25 PM

For those of you not in the meeting this week, please review the cooperating agency letters that I sent out links to, before next week's meeting. Thank you.

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Subject: Septmber 30 Core IDT meeting. - please plan on half day in 6V6 (9:00 to 12:00)
Date: 09/28/2009 11:44 AM

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Cc: [Ralph Ellis](#)
Subject: SR 83 as a Scenic Hwy Eval
Date: 07/20/2009 12:40 PM

Kathy from Rosemont sent this document with the following note:

A number statements in the draft issues statements on the scenic roadway designation for State Route 83 made me realize there was quite a bit of confusion regarding what it takes to be named a scenic roadway, what could effect that status, and what the implications of seeing our mine intermittently over a four mile stretch (out of a 52.5 mile roadway) might be. I asked Seri Parks to provide an evaluation of SR83 for your convenience. That analysis is attached.

If you would like to review the report, follow this link.

Thanks!

<<https://rosemonteis.webexone.com/r.asp?a=5&id=150543>>

From: [Beverley A Everson](#)
To: abelauskas@fs.fed.us; aelek@fs.fed.us; dkriegel@fs.fed.us; dsebesta@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; kelleth@fs.fed.us; ljones02@fs.fed.us; [Mary M Farrell](#); [Melinda D Roth](mailto:Melinda_D_Roth); mreichard@swca.com; rlefevre@fs.fed.us; sldavis@fs.fed.us; sshafiqullah@fs.fed.us; temmett@fs.fed.us; tfurgason@swca.com; [Walter Keyes](#); wgillespie@fs.fed.us
Subject: State - AZ Geologic Survey comments on alternatives
Date: 09/03/2009 05:44 PM

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

<<https://rosemonteis.webexone.com/r.asp?a=5&id=153352>>

From: [Rion Bowers](#)
To: rlefevre@fs.fed.us
Subject: surfacewater.pdf
Date: 07/07/2009 11:34 AM
Attachments: [surfacewater.pdf](#)

From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Cc: [Arthur S Elek](#); ccoyle@swca.com; [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [John Able](#); [Kendall Brown](#); [Kent C Ellett](#); [Larry Jones](#); [Mary M Farrell](#); mreichard@SWCA.com; [Reta Laford](#); [Robert Lefevre](#); [S@FSNOTES](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [Tami Emmett](#); tfurgason@swca.com; [Walter Keyes](#); [William B Gillespie](#); [Marc Kaplan](#); [Andrea W Campbell](#)
Subject: team preparation for the May 13 Rosemont Copper Project extended IDT meeting, 4B
Date: 05/08/2009 01:56 PM

Our discussion of alternatives and mitigation in this meeting is going to be a little more "hands on" than in the previous meetings we've had on these topics. We'll have multiple copies of aerial photographs and maps of the project area that we'll use to demonstrate potential alternatives and mitigation, for example, an alternative tailings disposal site. Bring your markers! and be prepared to roll up your sleeves.

More importantly, in particular for the core team and for heritage, bring resource maps and/or whatever other tools and information you need to be able to discuss specific aspects of and impacts to, your resource. This will involve the use of GIS layers and maps, and because of this, I've asked Marc Kaplan to be available to help you get the data that you need.

Come see me, or give me a call if you have any questions about how you will need to prepare for this meeting.

Thank you.

Bev

Beverley A. Everson
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300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

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From: [Beverley A Everson](#)
To: abelauskas@fs.fed.us; aelek@fs.fed.us; dkriegel@fs.fed.us; dsebesta@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; kellett@fs.fed.us; ljones02@fs.fed.us; [Mary M Farrell](#); [Melinda D Roth](#); mreichard@swca.com; rlefevre@fs.fed.us; sldavis@fs.fed.us; sshafiqullah@fs.fed.us; temmett@fs.fed.us; tfurgason@swca.com; [Walter Keyes](#); wgillespie@fs.fed.us
Subject: Tohono Oodham Nation comments on alternatives
Date: 09/03/2009 05:44 PM

Beverley A. Everson
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<<https://rosemonteis.webexone.com/r.asp?a=5&id=153234>>

From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Cc: [Alan Belauskas](#); [Arthur S Elek](#); [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Mary M Farrell](#); [mriechar@SWCA.com](#); [Robert Lefevre](#); [Salek Shafiqullah](#); [Sarah L Davis](#); [tfurgason@swca.com](#); [Walter Keyes](#); [William B Gillespie](#)
Subject: Tomorrow's Rosemont Issue Statement Review meeting - goodies...
Date: 01/27/2009 12:05 PM

Hi Everybody,

I'm going to bring in a pot of chili tomorrow to share with the group. If anyone would like to contribute to the effort, grated cheese, sour cream, crackers, beverages, and bowls and spoons - or whatever - would be welcome...but there is no obligation for any of you.

See you at 8:30 at SWCA!

Bev

Beverley A. Everson
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300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [Beverley A Everson](#)
To: [Reta Laford](#); [Teresa Ann Ciapusci](#); [John Able](#); [Andrea W Campbell](#); [Jennifer Ruyle](#); [Beverley A Everson](#); [Walter Keyes](#); [Salek Shafiqullah](#); [Debby Kriegel](#); [Keith L Graves](#); [Deborah K Sebesta](#); [Tami Emmett](#); [George McKay](#); [Robert Lefevre](#); [Shane Lyman](#); [Eli Curiel](#); [Christopher C LeBlanc](#); [William B Gillespie](#); [Mary M Farrell](#); [Alan Belauskas](#); [Kendall Brown](#); [Thomas Skinner](#); [Larry Jones](#); [Kendra L Bourgart](#); [Janet Jones](#); [Roxane M Raley](#); [Heidi Schewel](#); tfurgason@swca.com; mreichard@swca
Subject: tour date mix-up! SILVER BELL OPERATION THIS WEEK, San Manuel next week - meet at 8:30 this Wednesday
Date: 08/11/2008 01:46 PM

Hi Everyone,

I mistakenly told some of you on the bus last week that this week's tour was to San Manuel to see reclamation there. I was off by a week; **this week's tour is to the Silver Bell Mine operation, and next week is San Manuel. We will be departing by bus for the mine from the front of the Federal Building this Wednesday morning at 8:30.**

Silver Bell is a copper operation (in spite of its name), and is an example of a leaching operation similar to what will be occurring at the Carlotta operation once they are up and running (for those of you that attended that field trip). At Silver Bell, they use a weak solution of hydrochloric acid to dissolve copper ions from the ore and electricity to extract the copper from solution and on to inert anodes (plates of unrefined impure metal). The then copper-coated plates are called cathodes.

FYI, the copper-laden solution is called pregnant leach solution or PLS. The plating occurs in an SXEW (solution extraction/electrowinning) plant. For those of you that were on the Rosemont field trip the electrowinning process is analogous to the nail that was dipped into the drop of hydrochloric acid the company geologist had put on a piece of ore, causing the nail to be coated with copper.

Can anyone tell me what type of ore lends itself to this type of processing?? What is the other type of ore, and how is it processed?

Here's a tougher question; how do each of the ore types form? Also, would the proposed Rosemont operation be doing both types of ore processing throughout the life of the operation? Why or why not?

Bev

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Fax: 520-388-8305

From: [Beverley A Everson](#)
To: abelauskas@fs.fed.us; aelek@fs.fed.us; dkriegel@fs.fed.us; dsebesta@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; kellett@fs.fed.us; ljones02@fs.fed.us; [Mary M Farrell](#); [Melinda D Roth](mailto:Melinda_D_Roth); mreichard@swca.com; rlefevre@fs.fed.us; sldavis@fs.fed.us; sshafiqullah@fs.fed.us; temmett@fs.fed.us; tfurgason@swca.com; [Walter Keyes](#); wgillespie@fs.fed.us
Subject: Town of Sahuarita Enclosure
Date: 09/03/2009 05:41 PM
For Follow Up: Normal Priority.

Beverley A. Everson
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<<https://rosemonteis.webexone.com/r.asp?a=5&id=153378>>

From: [Tom Furgason](mailto:Tom.Furgason@swca.com)
Sent By: [rosemonteis](mailto:rosemonteis@swca.com)
To: sldavis@fs.fed.us; gmckay@fs.fed.us; mthrash@swca.com; cbellavia@swca.com; rmraley@fs.fed.us; tfurgason@swca.com; rbowers@swca.com; mjfitz@fs.fed.us; tciapusci@fs.fed.us; awcampbell@fs.fed.us; beverson@fs.fed.us; jable@fs.fed.us; kbrown03@fs.fed.us; jhesse@swca.com; kigraves@fs.fed.us; aelek@fs.fed.us; treeder@swca.com; wgillespie@fs.fed.us; hschewel@fs.fed.us; jderby@fs.fed.us; mfarrell@fs.fed.us; khouser@swca.com; wkeyes@fs.fed.us; dkriegel@fs.fed.us; sshafiullah@fs.fed.us; jgrams@swca.com; temmett@fs.fed.us; gsoroka@swca.com; cclblanc@fs.fed.us; ecuriel@fs.fed.us; ljones02@fs.fed.us; ehornung@swca.com; kpohs@swca.com; sgriset@swca.com; tklarson@swca.com; hhall@swca.com; mbidwell@swca.com; rellis@swca.com; jconnell@swca.com; dkeane@swca.com; mroth@fs.fed.us; daleortmanpe@live.com; kelllett@fs.fed.us; lccgarrett77@msn.com; bschneid@email.arizona.edu; rlaford@fs.fed.us; mrobertson@swca.com; rlefevre@fs.fed.us; abelauskas@fs.fed.us; kkertell@swca.com; mreichard@swca.com; bgaddis@swca.com; kserrato@swca.com; dsebesta@fs.fed.us; devinquintana@fs.fed.us
Subject: Transmittal 071709 w/list of updated figures
Date: 07/17/2009 04:23 PM

Rosemont Copper Company delivered a draft package of 14 revised figures based on some engineering updates that they have been working on. The list of figures is contained in the a transmittal on WebEx (<https://rosemonteis.webexone.com/r.asp?a=5&id=150426>). These figures were submitted in hard copy format only. Bev and SWCA each have two complete packets for review by the specialists.

Tom Furgason

Program Director
[SWCA Environmental Consultants](http://www.rosemonteis.com)
343 West Franklin Street
Tucson, AZ 85701
(520) 325-9194 ext. 110
(520) 820-5178 mobile
(520) 325-2033 fax

From: [Geoff Soroka](#)
To: [Larry Jones](#); [Deborah K Sebesta](#); rlefevre@fs.fed.us
Subject: Units of Measure
Date: 09/14/2009 08:56 AM
Attachments: [Issues and Units to Measure_gs.doc](#)

Hello,

How are all my old office mates? Can you please look over the attached and see if you agree with SWCA's assessment of the "Issues and Units of Measure" for the "Plants and Animals" and "Riparian Habitat" issues? In addition, would you be willing to address Point #3 in the riparian section to come up with some sort of a way to measure the "Fragmentation of riparian habitat and corridors" issue?

Let me know if you think it would be beneficial for the 4 of us (or at least Larry, Bob, and I) to sit down for a half-hour or so at the SO and work through this. I am available today, but not tomorrow or possibly Wednesday.

Thank you!

Geoffrey Soroka
SWCA Biologist/Project Manager
Tucson Office
(520) 325-9194
gsoroka@swca.com

From: [John Able](#)
To: tfurgason@swca.com; mreichard@swca.com; karnold@rosemontcopper.com; mary@strongpointpr.com
Cc: [Jeanine Derby](#); [Reta Laford](#); [Beverley A Everson](#); [Teresa Ann Ciapusci](#); [Debby Kriegel](#); [Kent C Ellett](#); [Salek Shafiqullah](#); [Robert Lefevre](#); [Larry Jones](#); [Andrea W Campbell](#); [Jennifer Ruyle](#); [Deborah K Sebesta](#); [Keith L Graves](#); [Cheri Bowen](#)
Subject: Warning -- Possible Computer Security Risk in Email From "Elizabeth Webb"
Date: 04/14/2009 04:56 PM
Signed by: CN=John Able/OU=R3/O=USDAFS

FYI: At least two Forest Service employees recently received an odd email from Elizabeth Webb's email address. The email has no subject line and points toward a web address that appears to be a known security risk. IF YOU RECEIVE THIS SUSPECT EMAIL FROM ELIZABETH'S EMAIL ADDRESS, DO NOT OPEN THAT LINK.

The suspect email begins: "Hello. How are you doing recently? Some days ago, I came across a wonderful electronics company on the web. . . ." At the end of the message is a .net link. Again, do not open that link.

Obviously, we are assuming that Elizabeth's computer is infected, and her email client is being hijacked to send this message. Bev is calling Elizabeth to let her know. If you receive this suspect email from Elizabeth's email address, you will want to follow your organization's email security protocols. (Forest Service employees, please delete the email. Do not open it.)

Please distribute this to anyone in your organization whose name may be contained in Elizabeth's email contacts.

I am reporting this email to Forest Service network security. If I receive any additional relevant instructions from them, I will pass those along to you.

John A. Able, Information Officer
Office of Communications
Coronado National Forest
Mobile: 520.405.4256

From: [Salek Shafiqullah](#)
To: [Rion Bowers](#)
Cc: [Beverley A Everson](#); [Charles Coyle](#); [Dale Ortman PE](#); [Larry Jones](#); [Robert Lefevre](#); [Tom Furgason](#)
Subject: Water BOA
Date: 07/10/2009 07:39 AM
Attachments: [groundwater.pdf](#)
[Water Resources Bounds.pdf](#)

Hello Rion,

Thanks for sending the map of BOA for groundwater....I've never seen it before. Also, I've never seen the surface water BOA map either until you sent it to Bob earlier this week and he shared it with me.

Thanks for sending it to him.

Cheers.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

"Rion Bowers" <rbowers@swca.com>

07/09/2009 07:46 AM

To "Robert Lefevre" <rlefevre@fs.fed.us>

cc "Tom Furgason" <tfurgason@swca.com>, "Charles Coyle" <ccoyle@swca.com>, "Larry Jones" <ljones02@fs.fed.us>, "Salek Shafiqullah" <sshafiqullah@fs.fed.us>, "Beverley A Everson" <beverson@fs.fed.us>, "Dale Ortman PE" <daleortmanpe@live.com>

Subject RE: bio.pdf

Bob,

The water resources bounds of analysis map is based on the rational presented in the attached memorandum. This memo covers onsite and offsite surface and ground water resources. You have the surface water map, and I have attached the proposed ground water bounds map as well. I believe this information was previously provided to Salek, so he should also have it for review. I hope you find this information helpful. Looking forward to your comments.

Thanks,

Rion

Rion J. Bowers
Senior Project Manager - Environmental Planner
SWCA Environmental Consultants
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Fax: (520) 325-2033

From: Robert Lefevre [mailto:rlfevre@fs.fed.us]
Sent: Wednesday, July 08, 2009 4:53 PM
To: Rion Bowers
Cc: Tom Furgason; Charles Coyle; Larry Jones; Salek Shafiqullah; Beverley A Everson
Subject: Re: bio.pdf

Hi, Rion. Thanks for sending me the maps for riparian and water resources bounds of analysis. I am working with Salek and Larry on a response. Before you get too far, I need to tell that the bounds are way too restrictive. I want to propose a larger area that will take into consideration the groundwater changes that will affect springs and consequently surface water and riparian areas after they dig the pit. I'll be sending a shapefile.

Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373

"Rion Bowers" <rbowers@swca.com>

07/07/2009 11:35 AM

To <rlfevre@fs.fed.us>
cc
Subject bio.pdf

[attachment "bio.pdf" deleted by Robert Lefevre/R3/USDAFS]

From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Cc: [Alan Belauskas](#); [Andrea W Campbell](#); [Christopher C LeBlanc](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Eli Curiel](#); [George McKay](#); [Heidi Schewel](#); [Janet Jones](#); [Jennifer Ruyle](#); [John Able](#); [Keith L Graves](#); [Kendall Brown](#); [Kendra L Bourgart](#); [Larry Jones](#); [Mary M Farrell](#); [Reta Laford](#); [Robert Lefevre](#); [Roxane M Raley](#); [Salek Shafiqullah](#); [Shane Lyman](#); [Tami Emmett](#); [Teresa Ann Ciapusci](#); tfurgason@swca.com; [Thomas Skinner](#); [Walter Keyes](#); [William B Gillespie](#)
Subject: Webex meeting reminders
Date: 10/06/2008 05:30 PM

Please disregard notifications of team meetings being sent out from Webex. These reminders should not have been posted, and they are continuing to go out simply because its hard to cancel them. **There is no meeting this Wednesday.** For the time being, I will be sending out emails about the team's meetings. **Please note that there is an extended team meeting at NAFRI on November 12 from 8:00 to 5:00.** This meeting is a presentation by Rosemont to update the team on analyses that the company's consultants are doing on various project issues (safety, biology, reclamation, hydrology,etc.; itinerary to follow in a later email).

I am expecting a finalized Proposed Action from SWCA by COB on October 10 and will forward it to the core team that day or the following Monday morning. There will not be a core team meeting on October 15, however, **I would like the core team to review the proposed action and submit comments on it by COB on the 15th.** I will consolidate the comments and forward them to SWCA for revisions to the Proposed Action. **The core team will meet again on the October 23rd** to make the review the changes and make sure that all suggestions have been incorporated by SWCA (meeting place to be announced, meeting time from 9:00 to 4:00).

Please accept my apologies for the confusion over the team's meeting dates.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

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From: [Melissa Reichard](#)
Sent By: [rosemonteis](#)
To: [rmraley@fs.fed.us](#); [kbrown03@fs.fed.us](#); [aelek@fs.fed.us](#); [rlefevre@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [awcampbell@fs.fed.us](#); [abelauskas@fs.fed.us](#); [wkeyes@fs.fed.us](#); [temmett@fs.fed.us](#); [devinquintana@fs.fed.us](#); [kellett@fs.fed.us](#); [ccleblanc@fs.fed.us](#); [gmckay@fs.fed.us](#); [ljones02@fs.fed.us](#); [dsebesta@fs.fed.us](#); [beverson@fs.fed.us](#); [tciapusci@fs.fed.us](#); [jable@fs.fed.us](#); [sldavis@fs.fed.us](#); [rlaford@fs.fed.us](#); [mfarrell@fs.fed.us](#); [wgillespie@fs.fed.us](#); [klgraves@fs.fed.us](#); [hschewel@fs.fed.us](#); [jderby@fs.fed.us](#); [ecuriel@fs.fed.us](#); [dkriegel@fs.fed.us](#); [mjfitch@fs.fed.us](#)
Cc: [Melissa Reichard](#)
Subject: Word Track Changes Cheat Sheet
Date: 03/19/2009 11:14 AM

Here's something on Rosemont Copper Project EIS that I'd like you to see. To go directly to the item, click the link below or paste it into your web browser. Please note that some email clients require that all the letters and numbers in the link appear on one line, or else it won't go to the right place.

<<https://rosemonteis.webexone.com/r.asp?a=5&id=140504>>

Let me know if you have any questions or is there is anything else I can help you with!

Thanks!

Mel

From: [Melissa Reichard](#)
Sent By: [rosemonteis](#)
To: [rmraley@fs.fed.us](#); [kbrown03@fs.fed.us](#); [aelek@fs.fed.us](#); [rlefevre@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [awcampbell@fs.fed.us](#); [abelauskas@fs.fed.us](#); [wkeyes@fs.fed.us](#); [temmett@fs.fed.us](#); [devinquintana@fs.fed.us](#); [kellett@fs.fed.us](#); [ccleblanc@fs.fed.us](#); [gmckay@fs.fed.us](#); [ljones02@fs.fed.us](#); [dsebesta@fs.fed.us](#); [beverson@fs.fed.us](#); [tciapusci@fs.fed.us](#); [jable@fs.fed.us](#); [sldavis@fs.fed.us](#); [rlaford@fs.fed.us](#); [mfarrell@fs.fed.us](#); [wgillespie@fs.fed.us](#); [klgraves@fs.fed.us](#); [hschewel@fs.fed.us](#); [jderby@fs.fed.us](#); [ecuriel@fs.fed.us](#); [dkriegel@fs.fed.us](#); [mjfitch@fs.fed.us](#)
Cc: [Melissa Reichard](#)
Subject: Word Track Changes Cheat Sheet
Date: 03/19/2009 11:14 AM

Here's something on Rosemont Copper Project EIS that I'd like you to see. To go directly to the item, click the link below or paste it into your web browser. Please note that some email clients require that all the letters and numbers in the link appear on one line, or else it won't go to the right place.

<<https://rosemonteis.webexone.com/r.asp?a=5&id=140504>>

Let me know if you have any questions or is there is anything else I can help you with!

Thanks!

Mel

From: [Carl Ostermann](#)
To: [Sandra L Roberts](#); [Jeanine Derby](#); [Reta Laford](#); [Teresa Ann Ciapusci](#); [John Able](#); [Andrea W Campbell](#); [Beverley A Everson](#); [Walter Keyes](#); [Salek Shafiqullah](#); [Debby Kriegel](#); [Sarah L Davis](#); [Deborah K Sebesta](#); [Tami Emmett](#); [George McKay](#); [Robert Lefevre](#); [Andrea W Campbell](#); [Shane Lyman](#); [Eli Curiel](#); [Christopher C LeBlanc](#); [Bradley W Gillespie](#); [Mary M Farrell](#); [Alan Belauskas](#); [Kendall Brown](#); [Larry Jones](#)
Subject: Your "cc" of the Jan 6, 2008 Letter and attachments to Tom Furgason SWCA - (Jan 6, 2008 message you received for this letter did not work correctly)
Date: 01/09/2009 08:04 AM
Attachments: [Furgason.doc](#)
[2005 09 22 Template Setting Quick Reference.pdf](#)
[2005 09 Southwestern Region EIS Template.pdf](#)
[2005 09 Using MS-Word to Create Documents for Publishing.pdf](#)
[2007 02 02 FSH 1609.11_10 Publications Management Handbook.pdf](#)

