

Appendix P. Operations & Maintenance Inspection Form

**BLUE LEDGE MINE
INSPECTION CHECKLIST**

MONTHLY INSPECTION

Month: _____, **Year:** _____

BLUE LEDGE MINE MONTHLY INSPECTION CHECKLIST

Month: _____, Year: _____

**Blue Ledge Mine Removal Project
Siskiyou County, California
Operation and Maintenance Period**

*NOTE: All photos included in this checklist were taken on date: _____
Refer to Figures P-1 through P-8 for O&M Inspection*

Repository

- 1. Inspect the silt fence, wattles, and other SWPPP controls at the repository and repository stockpile area (See Figure P-2). Do SWPPP controls require repair or replacement?
 Yes*
 No

**If yes, repair or replace damaged components and make recommendations to reduce future damage. A listing of approved SWPPP controls for implementation is shown in Appendix G.*

Comments: _____

[Insert Picture of SWPPP controls and items requiring repair (if any)]

- 2. Inspect repository cover soil. Is there evidence of excessive or preferential erosion (See Figure P-2)?
 Yes*
 No

**If yes, notify project manager and place temporary SWPPP controls to minimize further erosion until a solution can be found. A listing of approved SWPPP controls for implementation is shown in Appendix G.*

Comments: _____

[Insert Picture of eroded areas]

- 3. Inspect the repository access road (See Figure P-2). Are there any areas of excessive erosion or other areas where the road requires repair?
 Yes*
 No

**If yes, notify the project manager of potential need for repair.*

Comments: _____

[Insert Picture of repository access road]

4. Inspect repository leachate sump tank and cap (See Figure P-2). Is the sump and cap in good condition and locked? Is there any liquid in the sump?

- Yes
 No*

**If no, take several pictures of damage and make repairs to fix or secure prior to leaving site (if possible). If there is liquid in the sump, measure the depth (requires a minimum 25 foot tape measure). A liquid sample may be required for profiling and disposal.*

Comments: _____

[Insert Picture of repository sump and cap]

5. Inspect anchor trench drainage pipes and the repository underdrain where they daylight (See Figure P-2). Is the screening damaged or evidence of any of the pipes being blocked?

- Yes*
 No

**If yes, unblock pipe and/or repair screen.*

Comments: _____

[Insert Picture of pipe (show damaged screen/blocked pipe, if any)]

6. Inspect the repository stormwater drain ditch (See Figure P-2). Is the stormwater drain ditch damaged or is there evidence of any portion of the stormwater drain ditch being blocked?

- Yes*
 No

**If yes, unblock ditch.*

Comments: _____

[Insert Picture of repository stormwater drain ditch (show damaged/blocked areas)]

7. Inspect plants in the repository and repository stockpile area (See Figure P-3). Does it appear the plants have been fed on by animals?

- Yes*
 No

**If yes, reapply Big Game Repellant to prevent further browsing. A listing of grass seeds, fertilizers, animal repellants, and other reclamation products is shown in Appendix G.*

Comments: _____

[Insert Picture of plants with evidence of being fed on]

8. Are there any plants which have died in the repository and repository stockpile areas (See figure P-3)?

- Yes*
- No

**If yes, estimate number of plants and record it in the comments. The total number of plants installed at the repository and repository stockpile areas are shown on Figure P-3.*

Comments: _____

[Insert Picture of dead plant(s); if none, insert picture of general plant conditions]

9. Inspect Flexterra and grass seeded areas on the repository (See Figure P-3). Are any repairs needed or invasive species present?

- Yes*
- No

If yes, identify areas for repair or pull weeds and dispose of properly.

Comments: _____

[Insert Picture of Flexterra and grass seeded areas]

North Storage Area

1. Inspect road leading to the repository and north storage area (See Figure P-2). Is there evidence of excessive erosion? Are the waterbars damaged?

Yes*
 No

**If yes, apply temporary SWPPP controls and make recommendations for repair. A listing of approved SWPPP controls for implementation is shown in Appendix G.*

Comments: _____

[Insert Picture of representative road conditions, waterbar condition]

2. Inspect the silt fence, wattles, and other SWPPP controls at the north storage area (See Figure P-4). Do SWPPP controls require repair or replacement?

Yes*
 No

**If yes, repair or replace damaged components and make recommendations to reduce future damage. A listing of approved SWPPP controls for implementation is shown in Appendix G.*

Comments: _____

[Insert Picture of SWPPP controls and items requiring repair (if any)]

3. Inspect Flexterra and grass seeded areas on the north storage area (See Figure P-4). Are any repairs needed or any invasive species present?

Yes*
 No

If yes, identify areas for repair or pull weeds and dispose of properly.

Comments: _____

[Insert Picture of Flexterra and grass seeded areas]

4. Inspect plants in the north stockpile area (See Figure P-4). Does it appear the plants have been fed on by animals?

Yes*
 No

** If yes, reapply Big Game Repellent to prevent further browsing. A listing of grass seeds, fertilizers, animal repellants, and other reclamation products is shown in Appendix G.*

Comments: _____

[Insert Picture of plants with evidence of being fed on]

5. Are there any plants which have died in the north storage area (See Figure P-4)?

Yes*
 No

**If yes, estimate number of plants and record it in the comments. The total number of plants installed at the north storage area is shown on Figure P-4.*

Comments: _____

[Insert Picture of dead plant(s); if none, insert picture of general plant conditions]

South Storage Area

1. Inspect the silt fence, waddles, and other SWPPP controls at the south staging area (See Figure P-5). Do SWPPP controls require repair or replacement?

Yes*
 No

**If yes, repair or replace damaged components and make recommendations to reduce future damage. A listing of approved SWPPP controls for implementation is shown in Appendix G.*

Comments: _____

[Insert Picture of SWPPP controls and items requiring repair (if any)]

2. Inspect plants in the south staging area. Does it appear the plants have been fed on by animals (See figure P-5)?

Yes*
 No

** If yes, reapply Big Game Repellant to prevent further browsing. A listing of grass seeds, fertilizers, animal repellants, and other reclamation products is shown in Appendix G.*

Comments: _____

[Insert Picture of plants with evidence of being fed on]

3. Are there any plants which have died in the south staging area (See Figure P-5)?

Yes*
 No

**If yes, estimate number of plants and record it in the comments. The total number of plants installed at the north storage area is shown on Figure P-5.*

Comments: _____

[Insert Picture of dead plant(s); if none, insert picture of general plant conditions]

4. Inspect Flexterra and grass seeded areas along Joe Creek (See Figure P-5). Are any repairs needed or any invasive species present?

Yes*
 No

If yes, identify areas for repair or pull weeds and dispose of properly.

Comments: _____

[Insert Picture of Flexterra and grass seeded areas]

Rock Stockpile Area

1. Inspect the silt fence, wattles, and other SWPPP controls at the rock stockpile area (See Figure P-6). Do SWPPP controls require repair or replacement?

Yes*
 No

**If yes, repair or replace damaged components and make recommendations to reduce future damage. A listing of approved SWPPP controls for implementation is shown in Appendix G.*

Comments: _____

[Insert Picture of SWPPP controls and items requiring repair (if any)]

2. Inspect plants in the rock stock pile area (See figure P-6). Does it appear the plants have been fed on by animals?

Yes*
 No

** If yes, reapply Big Game Repellant to prevent further browsing. A listing of grass seeds, fertilizers, animal repellants, and other reclamation products is shown in Appendix G.*

Comments: _____

[Insert Picture of plants with evidence of being fed on]

3. Are there any plants which have died in the rock stockpile area (See Figure P-6)?

Yes*
 No

**If yes, estimate number of plants and record it in the comments. The total number of plants installed at the rock stock pile area is shown on Figure P-6.*

Comments: _____

[Insert Picture of dead plant(s); if none, insert picture of general plant conditions]

4. Inspect Flexterra and grass seeded areas (See Figure P-6). Are any repairs needed or any invasive species present?

Yes*
 No

If yes, identify areas for repair or pull weeds and dispose of properly.

Comments: _____

Forest Service Roads and Haul Roads

1. Are there areas of Forest Service road 1060 which have experienced excessive erosion (See Figure P-2).

Yes*
 No

**If yes, document road condition with photos and install temporary SWPPP controls to help minimize further erosion. A listing of approved SWPPP controls for implementation is shown in Appendix G.*

Comments: _____

[Insert Picture of eroded areas of 1060]

2. Are culverts along Forest Service road 1060 marked and draining properly?

Yes
 No*

**If no, perform necessary maintenance or repair to culvert to return to good working condition.*

Comments: _____

[Insert Picture of culvert requiring maintenance or repair]

3. Inspect haul roads 1, 2, 3, and 4, the miner's trail parking area, and the decommissioned haul roads 2 and 4 (See Figure P-2). Are there areas of excessive erosion? Are waterbars damaged?

Yes*
 No

**If yes, place temporary SWPPP controls and repair damaged waterbars. A listing of approved SWPPP controls for implementation is shown in Appendix G.*

Comments: _____

[Insert Picture of haul roads and damaged areas (if any)]

4. Inspect SWPPP controls along haul roads 1, 2, 3 and 4, the miner's trail parking area, and the decommissioned haul roads 2 and 4 (See Figure P-2). Are SWPPP controls in good condition?

Yes
 No*

**If no, repair and/or replace SWPPP controls as necessary. A listing of approved SWPPP controls for implementation is shown in Appendix G.*

Comments: _____

[Insert Picture of SWPPP controls and items requiring repair (if any)]

5. Inspect areas of haul roads 1, 2, 3, and 4 the miner's trail parking area, and the decommissioned haul roads 2 and 4 (See Figure P-2). Record grass growth progress. Are there bare areas which will require reseeding?

Yes*

No

**If yes, reseed bare areas. A listing of grass seeds, fertilizers, animal repellants, and other reclamation products is shown in Appendix G.*

Comments: _____

[Insert Picture of grass growth on haul roads]

Waste Rock Pile #1

1. Inspect log wattles, straw wattles, and other SWPPP controls at the reclamation areas on waste rock pile #1 (See Figure P-7). Are all SWPPP controls in good condition?

Yes*
 No

**If yes, repair or replace SWPPP controls as necessary. A listing of approved SWPPP controls for implementation is shown in Appendix G.*

Comments: _____

[Insert Picture of SWPPP controls and items requiring repair (if any)]

2. Inspect Flexterra and grass seeded areas at the reclamation areas on waste rock pile #1 (See Figure P-7). Are any repairs needed or any invasive species present?

Yes*
 No

If yes, pull weed and dispose of properly.

Comments: _____

[Insert Picture of Flexterra and grass seeded areas]

3. Inspect plants at the reclamation areas on waste rock pile #1 (See Figure P-7). Does it appear the plants have been fed on by animals?

Yes*
 No

** If yes, reapply Big Game Repellant to prevent further browsing. A listing of grass seeds, fertilizers, animal repellants, and other reclamation products is shown in Appendix G.*

Comments: _____

[Insert Picture of plants with evidence of being fed on]

4. Are there any plants at the reclamation areas which have died on waste rock pile #1 (See Figure P-7)?

Yes*
 No

**If yes, estimate number of plants and record it in the comments. The total number of plants installed at waste rock pile #1 is shown on Figure P-7.*

Comments: _____

[Insert Picture of dead plant(s); if none, insert picture of general plant conditions]

5. Are there areas of excessive erosion on waste rock pile #1?

- Yes*
 No

**If yes, apply temporary SWPPP controls. A listing of grass seeds, fertilizers, animal repellants, and other reclamation products is shown in Appendix G.*

Comments: _____

[Insert Picture of waste rock areas which have eroded]

6. Inspect each Sediment/pH treatment basin at waste rock pile #1 (See figure P-7). For each basin, record the volume of sediment accumulated (as a percentage of capacity), the amount of fouled limestone (in inches), and the pH of water as listed below (if any). Record and photograph any excessive erosion in or around the sediment basin.

Sediment/pH treatment basin 1A (closest to Joe Creek):

Accumulated sediment _____

Fouled limestone _____

pH below basin A _____

Excessive erosion around the basin? Yes* No

Sediment/pH treatment basin 1B

Accumulated sediment _____

Fouled limestone _____

pH below basin B _____

Excessive erosion around the basin? Yes* No

Sediment/pH treatment basin 1C

Accumulated sediment _____

Fouled limestone _____

pH below basin C _____

Excessive erosion around the basin? Yes* No

Sediment/pH treatment basin 1D

Accumulated sediment _____

Fouled limestone _____

pH below basin D _____

Excessive erosion around the basin? Yes* No

Sediment/pH treatment basin 1E

Accumulated sediment _____

Fouled limestone _____

pH below basin E _____

Excessive erosion around the basin? Yes* No

Sediment/pH treatment basin 1F

Accumulated sediment _____

Fouled limestone _____

pH below basin F _____

pH above basin F _____

Excessive erosion around the basin? Yes* No

Waste Rock Pile #2

1. Inspect wattles, silt fence, and other SWPPP controls at the reclamation areas on waste rock pile #2 (See Figure P-8). Are all SWPPP controls in good condition?

Yes*
 No

**If yes, repair or replace SWPPP controls as necessary. A listing of approved SWPPP controls for implementation is shown in Appendix G.*

Comments: _____

[Insert Picture of SWPPP controls and items requiring repair (if any)]

2. Inspect plants at the reclamation areas on waste rock pile #2 (See Figure P-8). Does it appear the plants have been fed on by animals?

Yes*
 No

** If yes, reapply Big Game Repellant to prevent further browsing. A listing of grass seeds, fertilizers, animal repellants, and other reclamation products is shown in Appendix G.*

Comments: _____

[Insert Picture of plants with evidence of being fed on]

3. Are there any plants at the reclamation areas which have died on waste rock pile #2?

Yes*
 No

**If yes, estimate number of plants and record it in the comments. The total number of plants installed at waste rock pile #2 is shown on Figure P-8.*

Comments: _____

[Insert Picture of dead plant(s); if none, insert picture of general plant conditions]

4. Are there areas of excessive erosion on waste rock pile #2?

Yes*
 No

**If yes, apply temporary SWPPP controls. A listing of grass seeds, fertilizers, animal repellants, and other reclamation products is shown in Appendix G.*

Comments: _____

[Insert Picture of waste rock areas which have eroded]

5. Inspect each Sediment/pH treatment basin at waste rock pile #2 (See figure P-8). For each basin, record the volume of sediment accumulated (as a percentage of capacity), the amount of fouled limestone (in inches), and the pH of water as listed below (if any). Record and photograph any excessive erosion in or around the sediment basin.

Sediment/pH treatment basin 2A:

Accumulated sediment _____

Fouled limestone _____

pH below basin 2A _____

pH above basin 2A _____

Excessive erosion around the basin? Yes* No

Sediment/pH treatment basin 2B

Accumulated sediment _____

Fouled limestone _____

pH below basin 2B _____

pH above basin 2B _____

Excessive erosion around the basin? Yes* No

Waste Rock Pile #3

1. Inspect log wattles, straw wattles, and other SWPPP controls at the reclamation areas on waste rock pile #3 (See Figure P-8). Are all SWPPP controls in good condition?

Yes*
 No

**If yes, repair or replace SWPPP controls as necessary. A listing of approved SWPPP controls for implementation is shown in Appendix G.*

Comments: _____

[Insert Picture of SWPPP controls and items requiring repair (if any)]

2. Inspect plants at the reclamation areas on waste rock pile #3 (See Figure P-8). Does it appear the plants have been fed on by animals?

Yes*
 No

** If yes, reapply Big Game Repellent to prevent further browsing. A listing of grass seeds, fertilizers, animal repellants, and other reclamation products is shown in Appendix G.*

Comments: _____

[Insert Picture of plants with evidence of being fed on]

3. Are there any plants at the reclamation areas which have died on waste rock pile #3?

Yes*
 No

**If yes, estimate number of plants and record it in the comments. The total number of plants installed at waste rock pile #3 is shown on Figure P-8.*

Comments: _____

[Insert Picture of dead plant(s); if none, insert picture of general plant conditions]

4. Are there areas of excessive erosion on waste rock pile #3?

Yes*
 No

**If yes, apply temporary SWPPP controls. A listing of grass seeds, fertilizers, animal repellants, and other reclamation products is shown in Appendix G.*

Comments: _____

[Insert Picture of waste rock areas which have eroded]

5. Inspect the Sediment/pH treatment basin at waste rock pile #3 (See figure P-8). Record the volume of sediment accumulated (as a percentage of capacity), the amount of fouled limestone (in inches), and the pH of water as listed below (if any). Record and photograph any excessive erosion in or around the sediment basin.

Sediment/pH treatment basin 3:

Accumulated sediment _____

Fouled limestone _____

pH below basin 3 _____

pH above basin 3 _____

Excessive erosion around the basin? Yes* No

Waste Rock Pile #4

1. Inspect log wattles, straw wattles, and other SWPPP controls at the reclamation areas on waste rock pile #4 (See Figure P-7). Are all SWPPP controls in good condition?

Yes*
 No

**If yes, repair or replace SWPPP controls as necessary. A listing of approved SWPPP controls for implementation is shown in Appendix G.*

Comments: _____

[Insert Picture of SWPPP controls and items requiring repair (if any)]

2. Inspect plants at the reclamation areas on waste rock pile #4 (See Figure P-7). Does it appear the plants have been fed on by animals?

Yes*
 No

** If yes, reapply Big Game Repellent to prevent further browsing. A listing of grass seeds, fertilizers, animal repellants, and other reclamation products is shown in Appendix G.*

Comments: _____

[Insert Picture of plants with evidence of being fed on]

3. Are there any plants at the reclamation areas which have died on waste rock pile #4?

Yes*
 No

**If yes, estimate number of plants and record it in the comments. The total number of plants installed at waste rock pile #4 is shown on Figure P-7.*

Comments: _____

[Insert Picture of dead plant(s); if none, insert picture of general plant conditions]

4. Are there areas of excessive erosion on waste rock pile #4?

Yes*
 No

**If yes, apply temporary SWPPP controls. A listing of grass seeds, fertilizers, animal repellants, and other reclamation products is shown in Appendix G.*

Comments: _____

[Insert Picture of waste rock areas which have eroded]

5. Inspect the reinforced slope stability fabric area at waste rock pile #4 (See Figure P-7). Is the fabric in good condition?

- Yes
- No*

**If no, perform maintenance or repair.*

Comments: _____

[Insert Picture of reinforced stability fabric area]

Additional Notes (Time, temperature, wind direction, evidence of unauthorized access, condition of green gate, locks, and other observations)

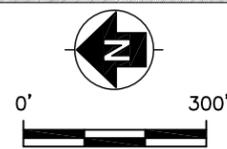
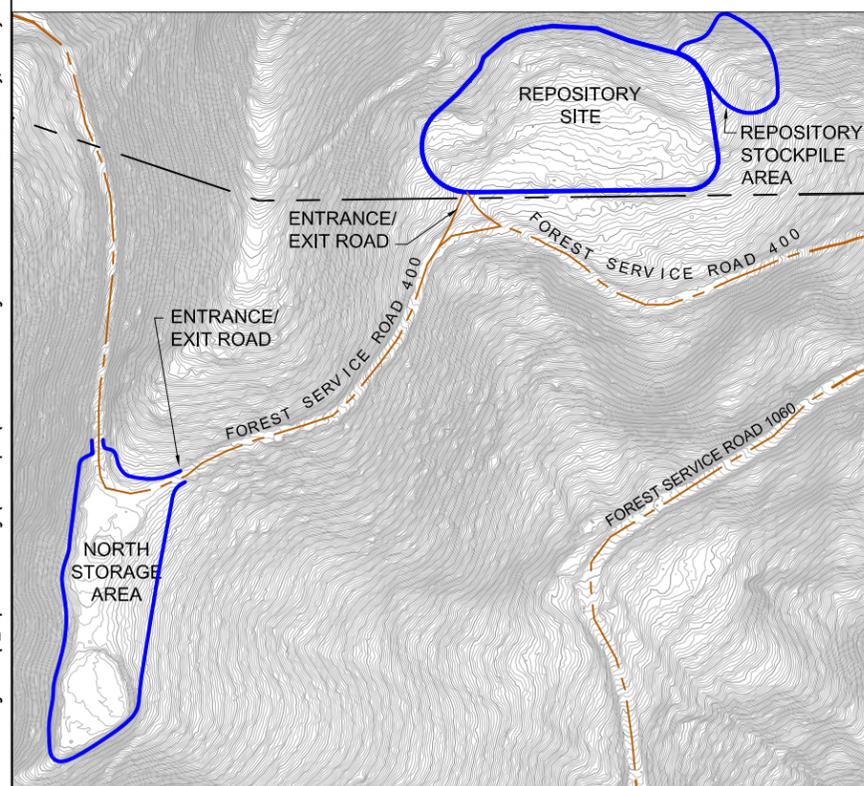
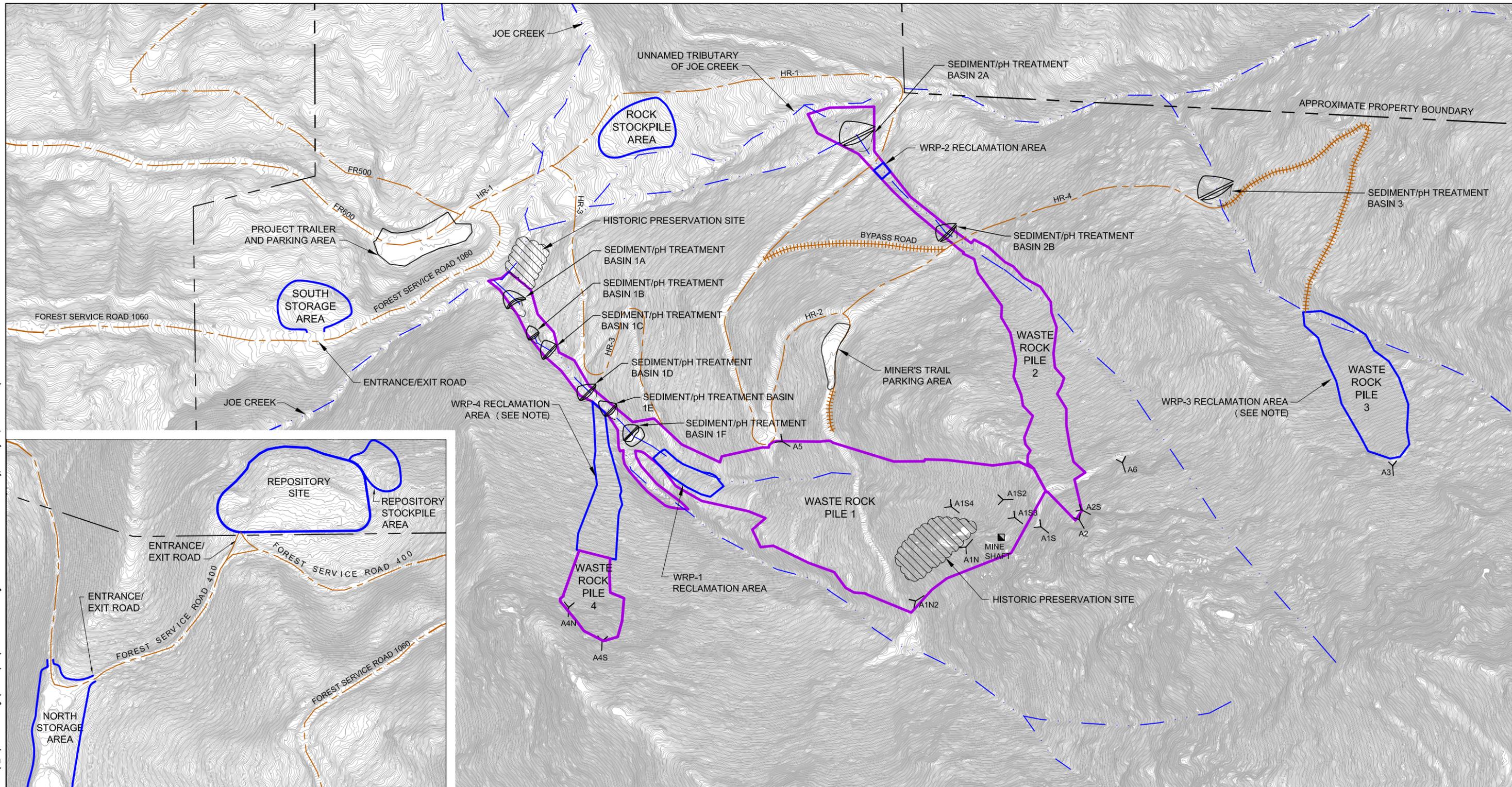
Name of Inspector(s)

Engineering/Remediation Resources Group, Inc. (ERRG)
Company

Signature of Inspector

Date of Inspection

FILE NAME: N:\graphics\2010\2010-064 USFS Blueledge Mine\N_Maps and Drawings\Final Report\Overall Site Planning\Layout\NAME: 1 PLOTTED: Friday, January 20, 2012 - 2:20pm



INSET SCALE: 1"=300'

SOURCE: URS BLUE LEDGE MINE REMOVAL ACTION, DRAWING NO. 101, SHEET 7 OF 60, CAD FILE NO. 101, DATED: 2/2010.

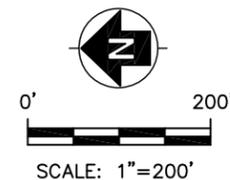
- LEGEND:**
- FOREST SERVICE/HAUL ROAD
 - DECOMMISSIONED HAUL ROAD
 - PROPERTY BOUNDARY
 - RECLAMATION AREA
 - STREAM
 - WASTE ROCK BOUNDARY REMOVAL LIMIT

- APPROXIMATE LOCATION OF ADIT
- APPROXIMATE LOCATION OF MINE SHAFT

NOTES:

WRP-3 AND WRP-4 RECLAMATION AREAS ARE ALSO THE WASTE ROCK BOUNDARY REMOVAL LIMITS.

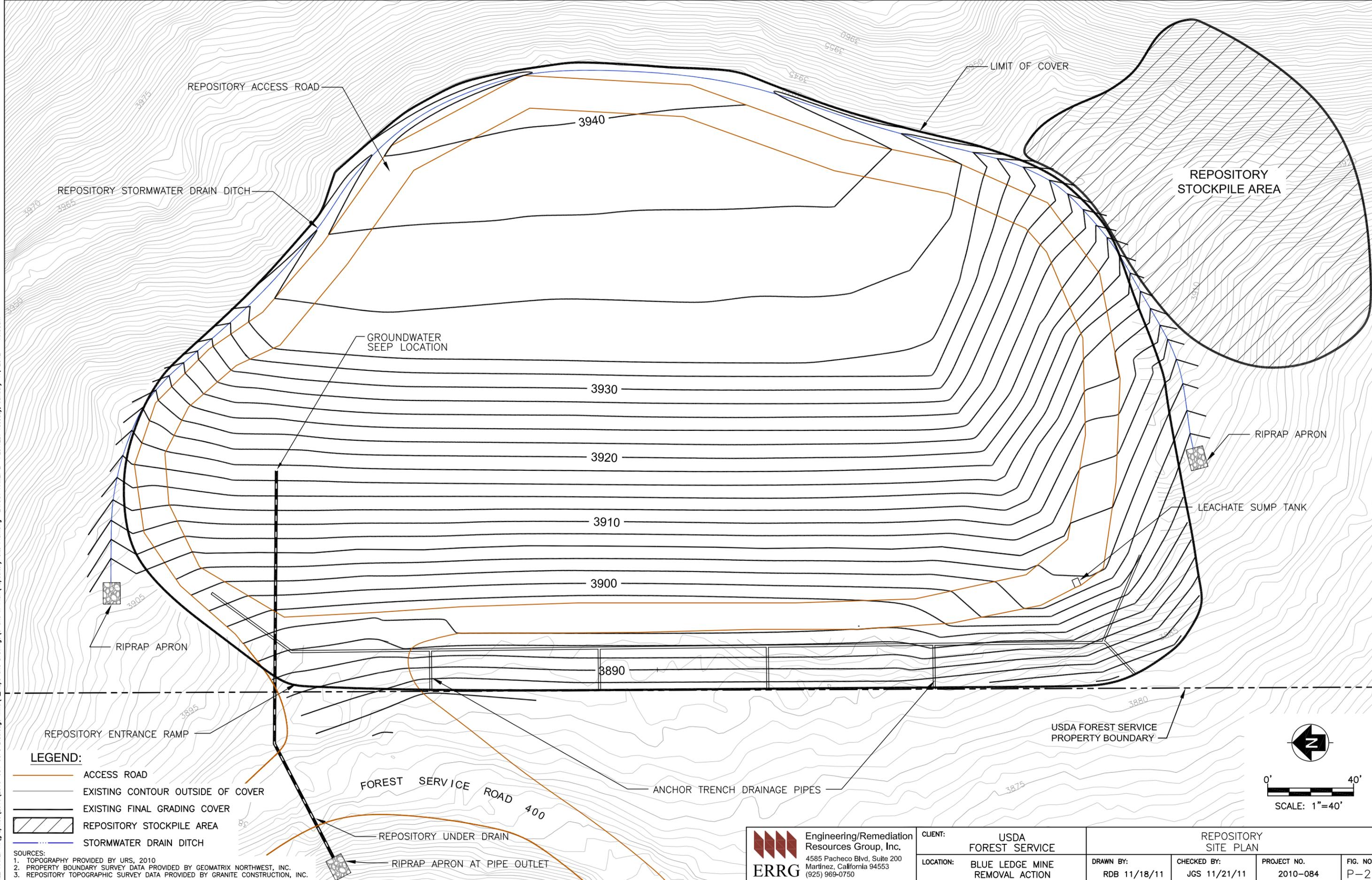
FR = FOREST SERVICE ROAD
HR = HAUL ROAD



ERRG Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd, Suite 200
Martinez, California 94553
(925) 969-0750

CLIENT:	USDA FOREST SERVICE	OVERALL SITE PLAN					
LOCATION:	BLUE LEDGE MINE REMOVAL ACTION						
DRAWN BY:	RDB 11/18/11	CHECKED BY:	JGS 11/21/11	PROJECT NO.	2010-084	FIG NO.	P-1

FILE NAME: N:\graphics\2010\084 USFS Blueledge Mine\N-Maps and Drawings\O and M Plan\Repository Site Plan.dwg LAYOUT NAME: 2 PLOTTED: Tuesday, January 17, 2012 - 10:35am



LEGEND:

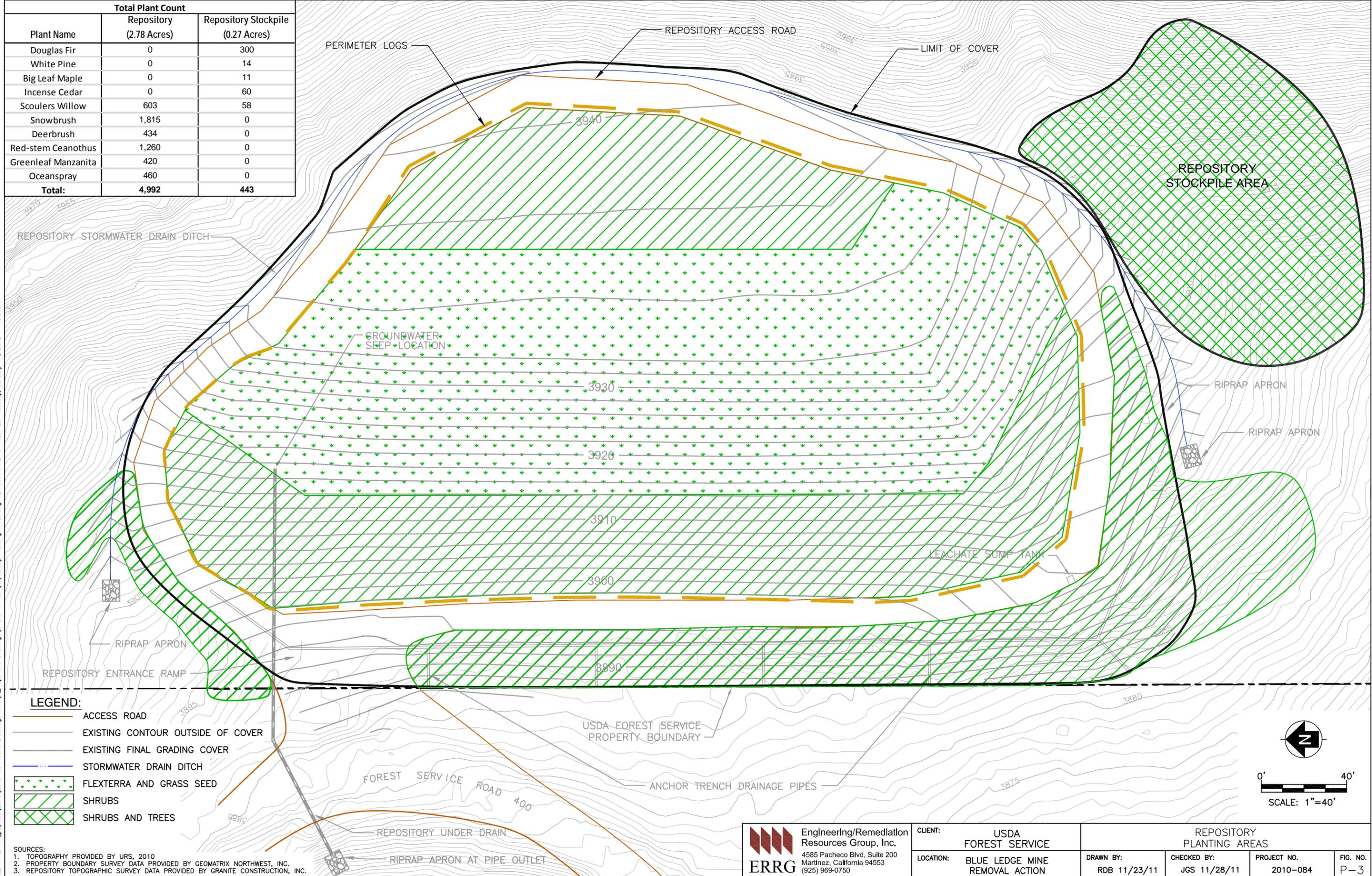
- ACCESS ROAD
- EXISTING CONTOUR OUTSIDE OF COVER
- EXISTING FINAL GRADING COVER
- REPOSITORY STOCKPILE AREA
- STORMWATER DRAIN DITCH

SOURCES:
 1. TOPOGRAPHY PROVIDED BY URS, 2010
 2. PROPERTY BOUNDARY SURVEY DATA PROVIDED BY GEOMATRIX NORTHWEST, INC.
 3. REPOSITORY TOPOGRAPHIC SURVEY DATA PROVIDED BY GRANITE CONSTRUCTION, INC.

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 Martinez, California 94553
 (925) 969-0750

CLIENT: USDA FOREST SERVICE		REPOSITORY SITE PLAN		
LOCATION: BLUE LEDGE MINE REMOVAL ACTION	DRAWN BY: RDB 11/18/11	CHECKED BY: JGS 11/21/11	PROJECT NO. 2010-084	FIG. NO. P-2

Total Plant Count		
Plant Name	Repository (2.78 Acres)	Repository Stockpile (0.27 Acres)
Douglas Fir	0	300
White Pine	0	14
Big Leaf Maple	0	11
Incense Cedar	0	60
Scoulers Willow	603	58
Snowbrush	1,815	0
Deerbrush	434	0
Red-stem Ceanothus	1,260	0
Greenleaf Manzanita	420	0
Oceanspray	460	0
Total:	4,992	443



LEGEND:

- ACCESS ROAD
- EXISTING CONTOUR OUTSIDE OF COVER
- EXISTING FINAL GRADING COVER
- STORMWATER DRAIN DITCH
- FLEXTERRA AND GRASS SEED
- SHRUBS
- SHRUBS AND TREES

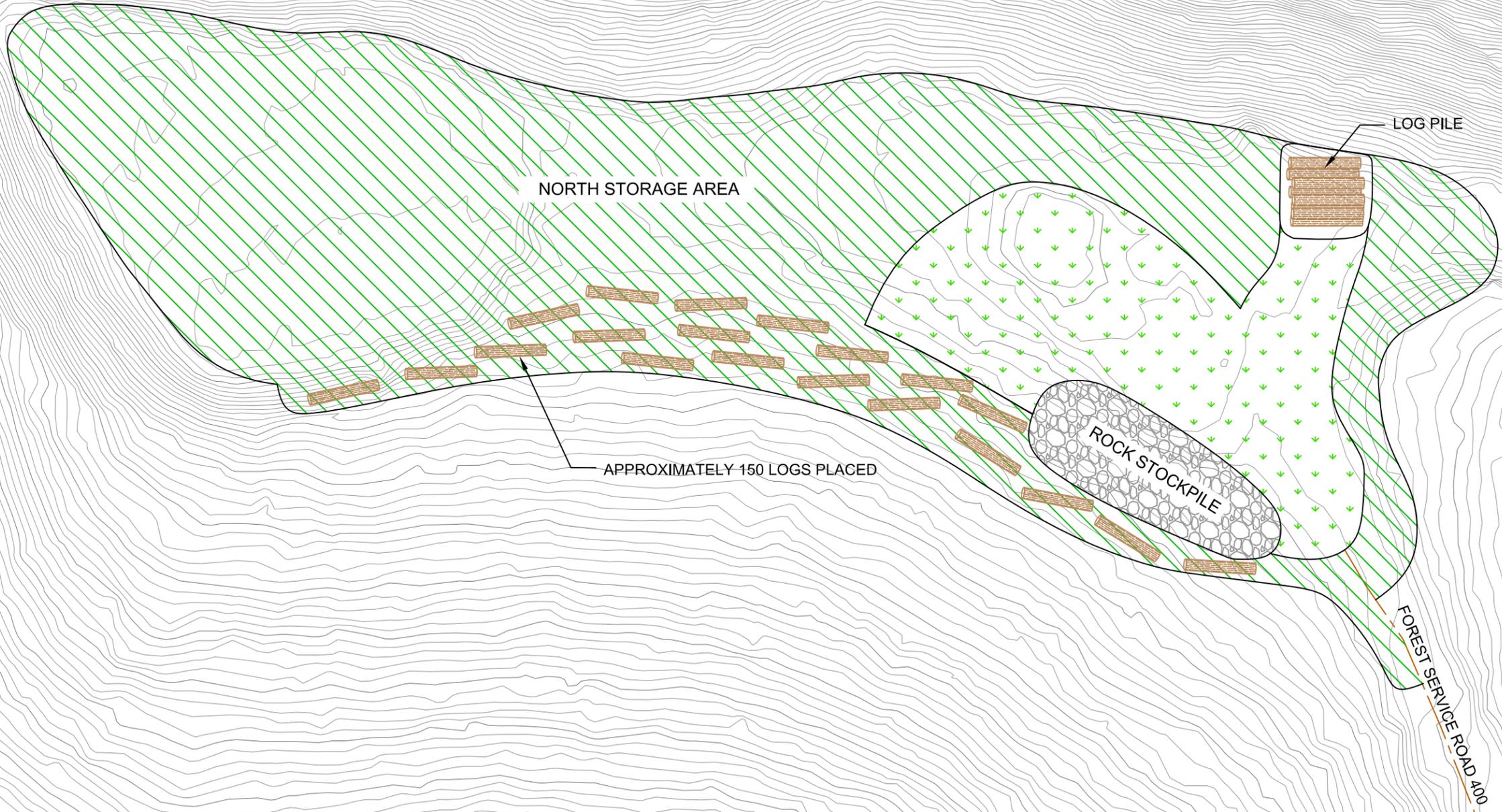
SOURCES:
 1. TOPOGRAPHY PROVIDED BY URS, 2010
 2. PROPERTY BOUNDARY SURVEY DATA PROVIDED BY GEOMATRIX NORTHWEST, INC.
 3. REPOSITORY TOPOGRAPHIC SURVEY DATA PROVIDED BY GRANITE CONSTRUCTION, INC.

Engineering/Remediation Resources Group, Inc. 4585 Pacheco Blvd, Suite 200 Martinez, California 94553 (925) 969-0750	CLIENT: USDA FOREST SERVICE	REPOSITORY PLANTING AREAS		
	LOCATION: BLUE LEDGE MINE REMOVAL ACTION	DRAWN BY: RDB 11/23/11	CHECKED BY: JGS 11/28/11	PROJECT NO.: 2010-084

FILE NAME: N:\graphics\2010\084 USFS Blueledge Mine\Maps and Drawings\O and M Plan\Repository Planting Areas.dwg LAYOUT NAME: 3 PLOTTED: Tuesday, January 17, 2012 - 10:36am

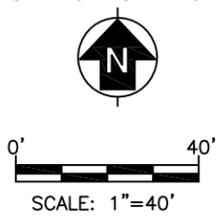
FILE NAME: N:\graphics\2010\084-USFS-Blueledge Mine\Maps and Drawings\0 and M Plan\North Storage Planting Area.dwg LAYOUT NAME: Layout1 PLOTTED: Tuesday, January 17, 2012 - 10:40am

Total Plant Count	
Plant Name	North Storage Area (1.37 Acres)
Douglas Fir	600
Ponderosa Pine	260
White Pine	166
Big Leaf Maple	40
Incense Cedar	300
Total:	1,366



LEGEND:

	TREES
	FLEXTERRA AND GRASS SEED
	ACCESS ROAD



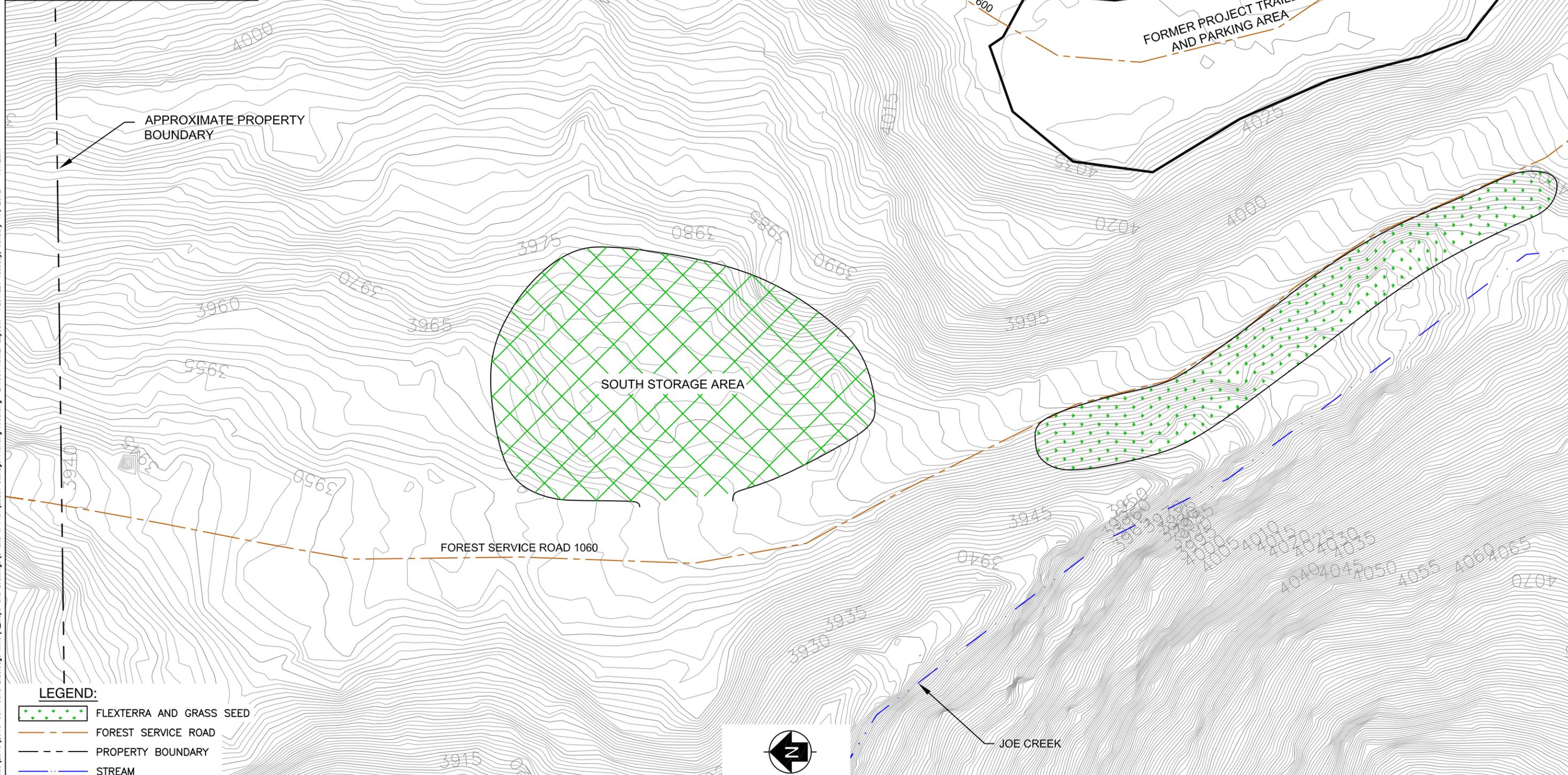
SOURCE: TOPOGRAPHY PROVIDED BY URS, 2010

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 Martinez, California 94553
 (925) 969-0750

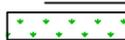
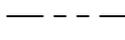
CLIENT:	USDA FOREST SERVICE	NORTH STORAGE PLANTING AREA		
LOCATION:	BLUE LEDGE MINE REMOVAL ACTION	DRAWN BY:	CHECKED BY:	PROJECT NO.
		RDB 11/21/11	JGS 11/22/11	2010-084
				FIG. NO. P-4

FILE NAME: N:\graphics\2010\084_USFS Blueledge Mine\Maps and Drawings\O and M Plan\South Storage Planting Area.dwg LAYOUT NAME: Layout1 PLOTTED: Tuesday, January 17, 2012 - 10:42am

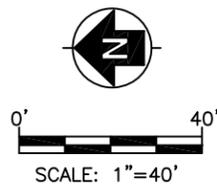
Total Plant Count	
Plant Name	South Storage Area (0.14 Acres)
Douglas Fir	52
Big Leaf Maple	52
White Alder	53
Scoulers Willow	60
Big-leaved Sedge	273
Total:	490



LEGEND:

-  FLEXTERRA AND GRASS SEED
-  FOREST SERVICE ROAD
-  PROPERTY BOUNDARY
-  STREAM
-  TREES AND SHRUBS

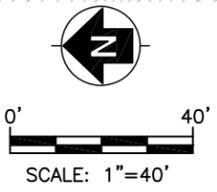
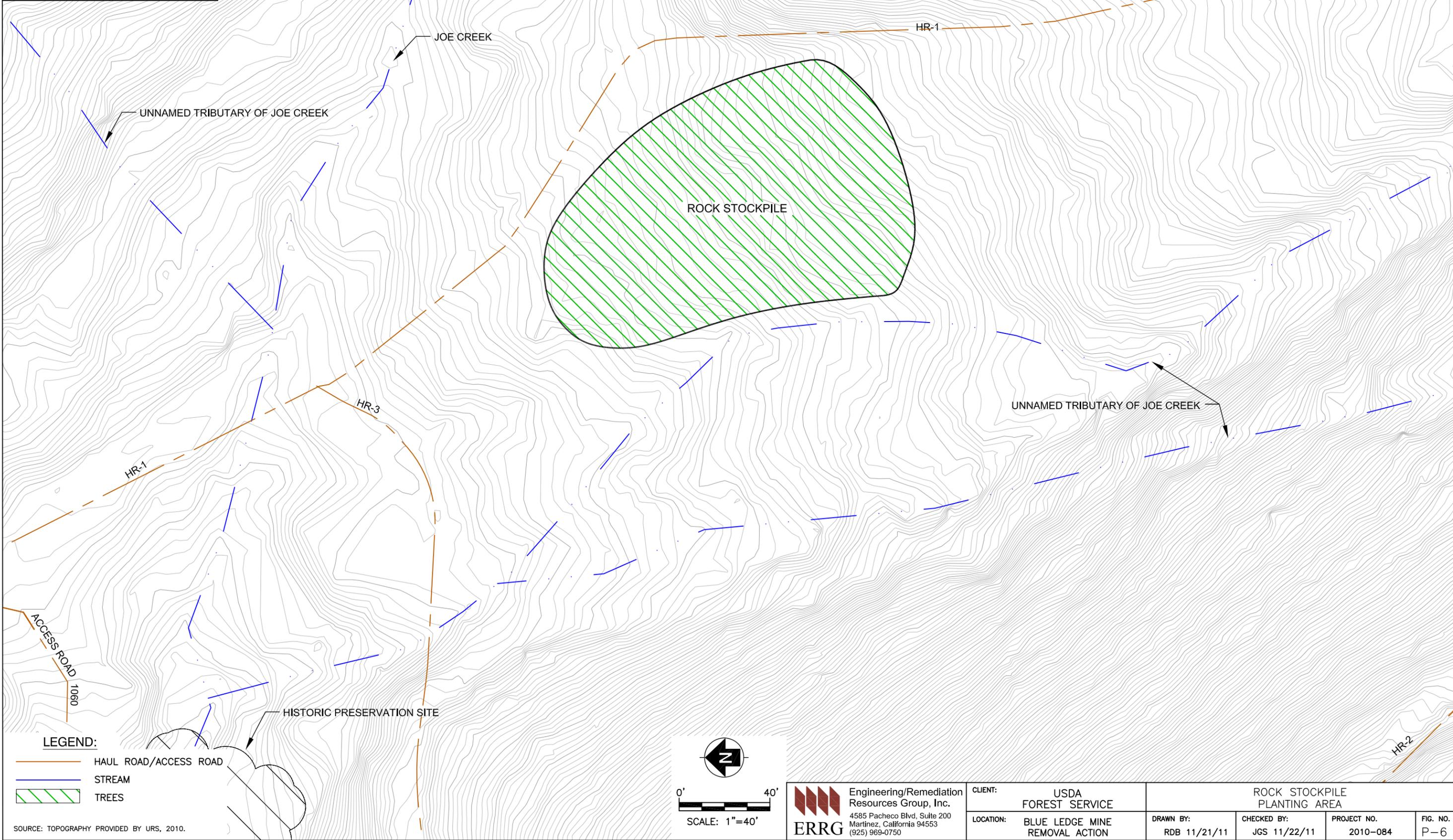
SOURCES:
 1. TOPOGRAPHY PROVIDED BY URS, 2010.
 2. PROPERTY BOUNDARY SURVEY DATA PROVIDED BY URS, 2010.



 Engineering/Remediation Resources Group, Inc. 4585 Pacheco Blvd, Suite 200 Martinez, California 94553 (925) 969-0750	CLIENT: USDA FOREST SERVICE	SOUTH STORAGE PLANTING AREA		
	LOCATION: BLUE LEDGE MINE REMOVAL ACTION	DRAWN BY: RDB 11/21/11	CHECKED BY: JGS 11/22/11	PROJECT NO. 2010-084

FILE NAME: N:\graphics\2010\084_USFS_Blueledge_Mine\N_Maps and Drawings\0 and M Plan\Rock Stockpile Planting Area.dwg LAYOUT NAME: Layout1 PLOTTED: Tuesday, January 17, 2012 - 10:45am

Total Plant Count	
Plant Name	Rock Stockpile Area (0.27 Acres)
Douglas Fir	121
Incense Cedar	116
Total:	237



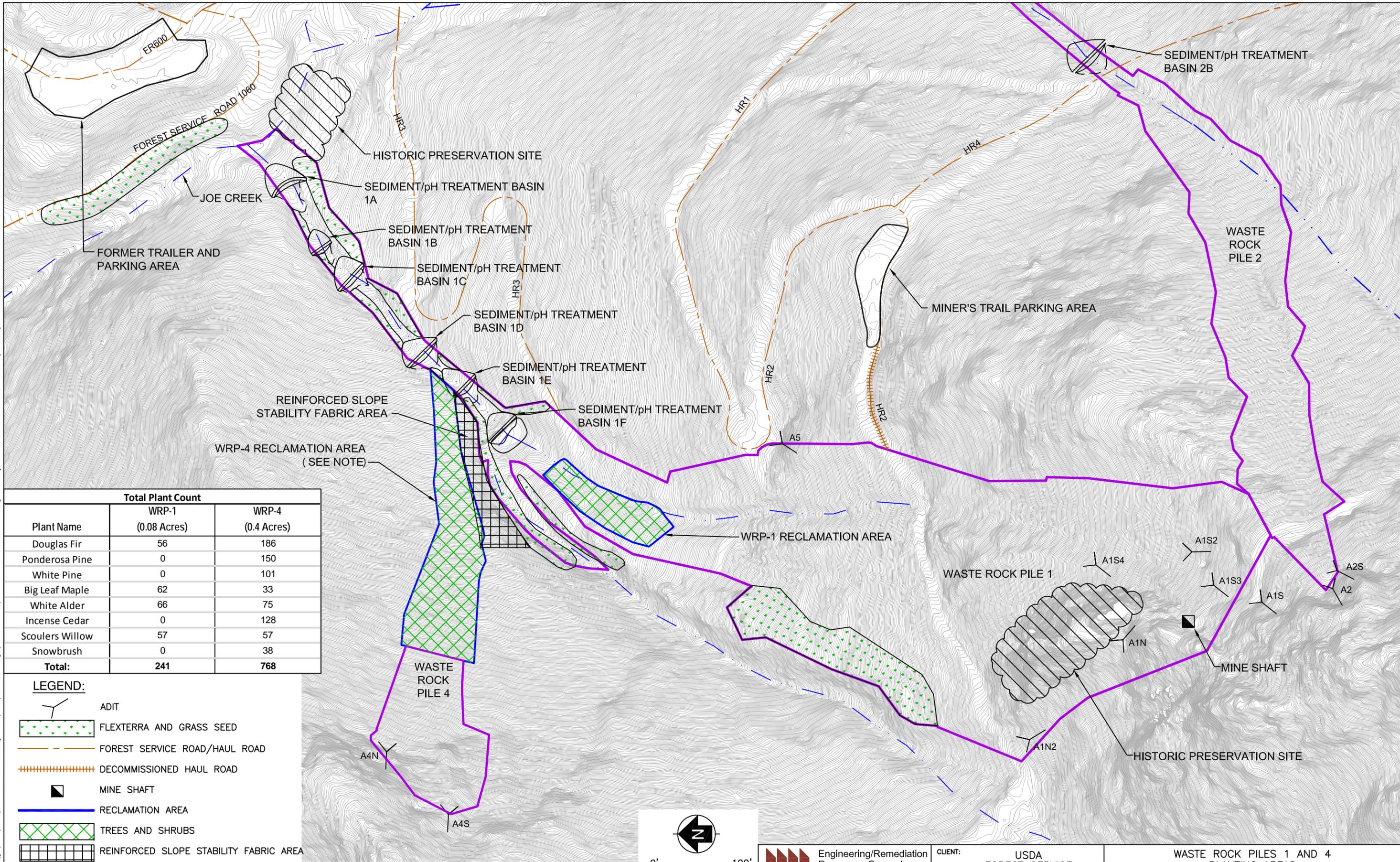
LEGEND:

	HAUL ROAD/ACCESS ROAD
	STREAM
	TREES

SOURCE: TOPOGRAPHY PROVIDED BY URS, 2010.

 Engineering/Remediation Resources Group, Inc. 4585 Pacheco Blvd, Suite 200 Martinez, California 94553 (925) 969-0750	CLIENT: USDA FOREST SERVICE	ROCK STOCKPILE PLANTING AREA		
	LOCATION: BLUE LEDGE MINE REMOVAL ACTION	DRAWN BY: RDB 11/21/11	CHECKED BY: JGS 11/22/11	PROJECT NO. 2010-084

FILE NAME: N:\graphics\2010\084 USFS Blueledge Mine\Maps and Drawings\0 and M Plan\Waste Rock Piles 1 and 4 Planting Areas.dwg LAYOUT NAME: 7 PLOTTED: Thursday, January 26, 2012 - 9:34am

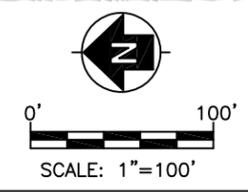


Total Plant Count

Plant Name	WRP-1 (0.08 Acres)	WRP-4 (0.4 Acres)
Douglas Fir	56	186
Ponderosa Pine	0	150
White Pine	0	101
Big Leaf Maple	62	33
White Alder	66	75
Incense Cedar	0	128
Scoulers Willow	57	57
Snowbrush	0	38
Total:	241	768

- LEGEND:**
- ADIT
 - FLEXTERRA AND GRASS SEED
 - FOREST SERVICE ROAD/HAUL ROAD
 - DECOMMISSIONED HAUL ROAD
 - MINE SHAFT
 - RECLAMATION AREA
 - TREES AND SHRUBS
 - REINFORCED SLOPE STABILITY FABRIC AREA
 - WASTE ROCK BOUNDARY REMOVAL LIMITS

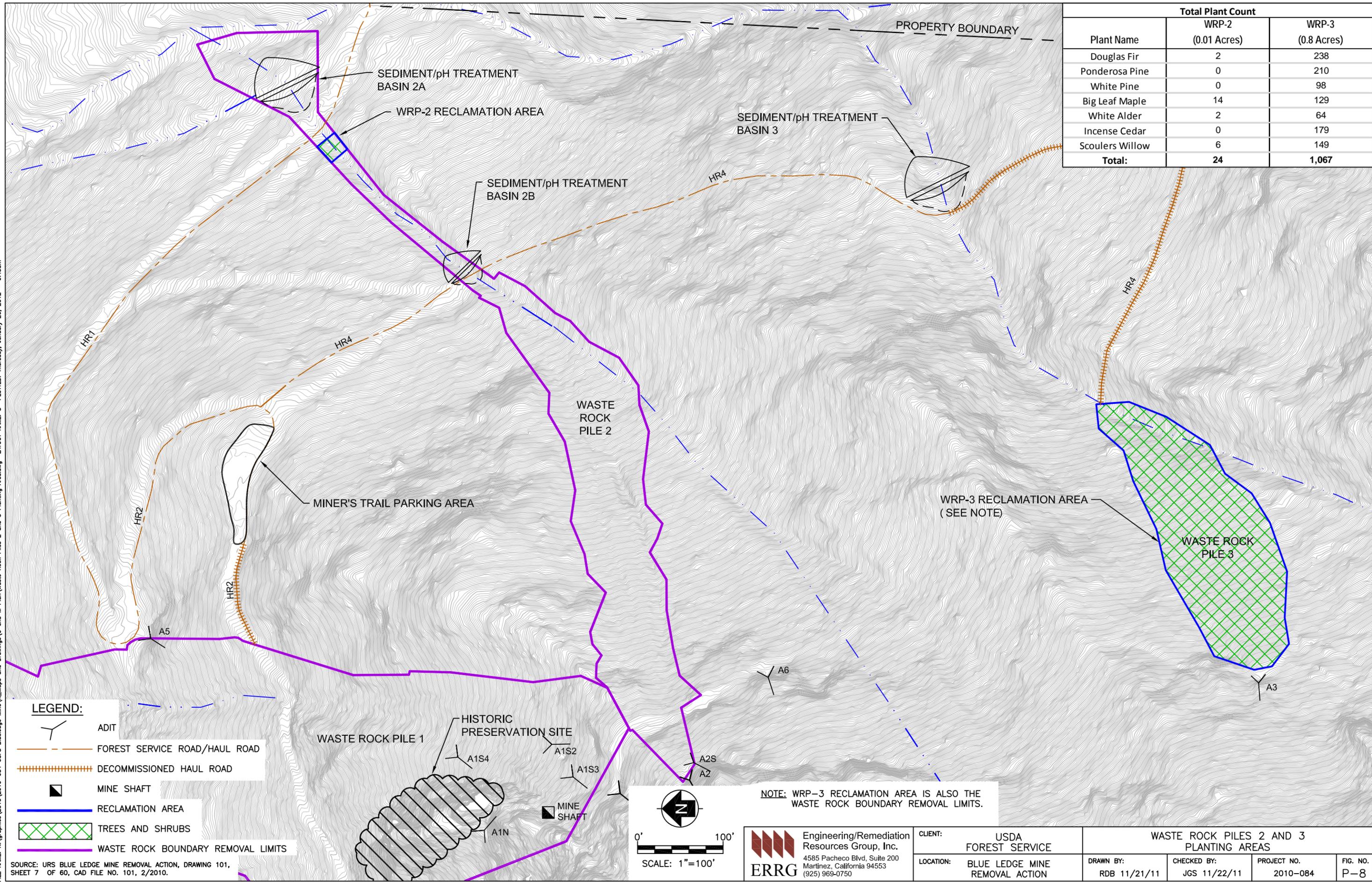
NOTE: WRP-4 RECLAMATION AREA IS ALSO THE WASTE ROCK BOUNDARY REMOVAL LIMITS.



ERRG Engineering/Remediation Resources Group, Inc.
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Martinez, California 94553
(925) 969-0750

CLIENT:	USDA FOREST SERVICE		WASTE ROCK PILES 1 AND 4 PLANTING AREAS		
LOCATION:	BLUE LEDGE MINE REMOVAL ACTION	DRAWN BY:	CHECKED BY:	PROJECT NO.	FIG. NO.
		RDB 11/21/11	JGS 11/22/11	2010-084	P-7

FILE NAME: N:\graphics\2010\084-USFS-BlueLedge-Mine\Maps and Drawings\O and M Plan\Waste Rock Piles 2 and 3 Planting Area.dwg LAYOUT NAME: 8 PLOTTED: Thursday, January 26, 2012 - 9:43am

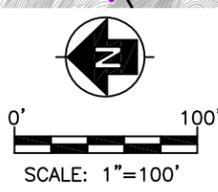


Plant Name	Total Plant Count	
	WRP-2 (0.01 Acres)	WRP-3 (0.8 Acres)
Douglas Fir	2	238
Ponderosa Pine	0	210
White Pine	0	98
Big Leaf Maple	14	129
White Alder	2	64
Incense Cedar	0	179
Scoulers Willow	6	149
Total:	24	1,067

LEGEND:

	ADIT
	FOREST SERVICE ROAD/HAUL ROAD
	DECOMMISSIONED HAUL ROAD
	MINE SHAFT
	RECLAMATION AREA
	TREES AND SHRUBS
	WASTE ROCK BOUNDARY REMOVAL LIMITS

SOURCE: URS BLUE LEDGE MINE REMOVAL ACTION, DRAWING 101, SHEET 7 OF 60, CAD FILE NO. 101, 2/2010.



NOTE: WRP-3 RECLAMATION AREA IS ALSO THE WASTE ROCK BOUNDARY REMOVAL LIMITS.

Engineering/Remediation Resources Group, Inc. 4585 Pacheco Blvd, Suite 200 Martinez, California 94553 (925) 969-0750	CLIENT: USDA FOREST SERVICE	WASTE ROCK PILES 2 AND 3 PLANTING AREAS		
	LOCATION: BLUE LEDGE MINE REMOVAL ACTION	DRAWN BY: RDB 11/21/11	CHECKED BY: JGS 11/22/11	PROJECT NO. 2010-084