

**Forney Cattle & Horse Allotment's
2014 Annual Monitoring Report
for the
National Marine Fisheries Service's 11/30/2012 Biological Opinion
(Refer to NMFS No: 2012/02643)**

Annual Monitoring Report Form for Actions covered under the Service's Biological Opinion for Grazing on Allotments Managed by the Salmon Challis National Forest.

Please submit annually by March 1 to the Idaho State Director, Habitat Conservation Division, National Marine Fisheries Service, **Attn: 2010/00849**, 800 Park Boulevard, Plaza IV, Suite 220 Boise, Idaho 83712-7743.

To implement RPM #3 (monitoring and reporting), the SCNF shall ensure that:

a. Each Allotment Unit's DMA or key area is annually monitored to determine compliance with all identified annual use indicators in the proposed action. The report shall also identify any modifications to move-triggers or annual indicators that result from implementing the adaptive management strategy.

b. An end-of-year report is available to NMFS by March 1 of each year. The following shall be included in the report:

(1) Overview of proposed action and actual management (livestock numbers, on-off dates for each Unit, etc.).

See attached Forney C&H Allotment's 2014 End of the Year Report.

(2) Date and location of any specific SCNF implementation monitoring data collected, including monitoring required under term and conditions 1 and 2 above.

See attached Forney C&H Allotment's 2014 End of the Year Report.

(3) Results from all implementation and effectiveness monitoring identified as part of the proposed action and this Opinion (term and condition 1), including required annual use indicator monitoring (i.e., stubble height, riparian shrub utilization, streambank alteration), photo point monitoring, seral condition, bank stability, water temperature, sediment, and W:D.

See attached Forney C&H Allotment's 2014 End of the Year Report.

2014 Stream Temperature Data was collected or attempted to be collected on: Fourth of July Creek 0.6, Moyer Creek 0.1 & 4.9, Musgrove Creek 0.5, Panther Creek 30.3, and Porphyry Creek 2.6, South Fork of Moyer Creek 0.05.

2014 Electrofishing Data was collected on: Moyer Creek 4.9 and Musgrove Creek 1.5 & 2.7, Panther Creek 30.3, South Fork Moyer Creek 0.05.

2014 Watershed Programs Stream Sediment (Mean Percent Fines <0.25” at depth and Percent Bank Stability Monitoring, respectively, was collected on: There was no data collected within the allotment boundary in 2014.

- (4) Discussion of any unauthorized use and/or any maintenance issues related to fences or water developments.

See attached Forney C&H Allotment’s 2014 End of the Year Report.

- (5) Brief review of Allotment management compliance successes and failures.

See attached Forney C&H Allotment’s 2014 End of the Year Report.

- (6) Any relevant information that becomes available regarding Snake River Basin steelhead or Snake River spring/summer Chinook salmon habitat trends and/or spawning locations that would modify the assumptions made in this Opinion or result in effects not considered.

Since 2010 the Shoshone-Bannock Tribes and the Forest Service are documenting Chinook salmon spawning in Panther Creek upstream of the Forney Allotment.

- (7) A clear description of compliance with the terms and conditions contained in this ITS.

See attached Forney C&H Allotment’s 2014 End of the Year Report.

- (8) Any management recommendations for subsequent years.

See attached Forney C&H Allotment’s 2014 End of the Year Report

Chinook salmon Redd Surveys

1. What was the name of the stream in this allotment surveyed for impacted redds?

Moyer Creek, Musgrove Creek and Panther Creek (See attached 2014 Chinook salmon redd surveys).

The survey dates were 8/18/2014, 8/20/2014, 8/25/2014, 8/28/2014 and 9/17/2014. Each day’s redd surveys had water conditions that were normal and clear. See attached Chinook salmon redd surveys.

Moyer Creek (8/18/2014):

The GPS UTM starting location was Zone 11T, Easting 0722008.53, Northing 4988016.02
The GPS UTM stopping location was Zone 11T, Easting 0721873.30, Northing 4988209.05
8 live Chinook salmon observed, 3 Chinook salmon redds observed with 0 showing signs of livestock trampling.

Musgrove Creek (8/18/2014):

The GPS UTM starting location was Zone 11T, Easting 0710940.45, Northing 4988773.18
The GPS UTM stopping location was Zone 11T, Easting 0711573.26, Northing 4988917.07
25 live Chinook salmon observed, 3 Chinook salmon redds observed with 0 redds showing signs of livestock trampling.

Panther Creek (8/20/2014):

The GPS UTM starting location was Zone 11T, Easting 0708505, Northing 4982427
The GPS UTM stopping location was Zone 11T, Easting 0709067, Northing 4984756
7 live Chinook salmon observed, 7 Chinook salmon redds observed and 0 redd showing signs of livestock trampling.

Panther Creek (8/25/2014):

The GPS UTM starting location was Zone 11T, Easting 0710594, Northing 4987157
The GPS UTM stopping location was Zone 11T, Easting 0711768, Northing 4989217
26 live Chinook salmon observed, 5 Chinook salmon redds observed and 0 redds showing signs of livestock trampling.

Panther Creek (8/28/2014):

The GPS UTM starting location was Zone 11T, Easting 0708502, Northing 4982431
The GPS UTM stopping location was Zone 11T, Easting 0708629, Northing 4983585
3 live Chinook salmon observed, 2 Chinook salmon redds observed and 0 redds showing signs of livestock trampling.

Panther Creek (9/17/2014):

The GPS UTM starting location was Zone 11T, Easting 0708505, Northing 4982427
The GPS UTM stopping location was Zone 11T, Easting 0709067, Northing 4984756
0 live Chinook salmon observed, 5 Chinook salmon redds observed with 2 showing signs of livestock trampling.

2. Were there any unexpected circumstances or events that resulted in impacts beyond those anticipated in the Forest's Biological Assessment or the Service's Biological Opinion? If yes, please describe.

See attached Forney C&H Allotment's 2014 End of the Year Report

Salmon-Challis National Forest Official:



Daniel A. Garcia
Salmon-Challis National Forest
North Zone Districts Fishery Biologist

Date:

2/23/2015

Contact Information:

Salmon/Cobalt Ranger District, 311 McPherson St South, Salmon, ID 83467

(208) 756-5237 or dgarcia@fs.fed.us

The attached Forney C&H Allotment's 2014 End of the Year Report was prepared by:
Ingrid Drieling – Rangeland Management Specialist (Leadore Ranger District)
(208) 768-2516 or idrieling@fs.fed.us

Results of the Range Allotment's implementation and effectiveness monitoring will be available at the following website:

<http://www.fs.usda.gov/detail/scnf/landmanagement/resourcemanagement/?cid=STELPRDB5308989>

The attached Moyer Creek, Musgrove Creek and Panther Creek 2014 Chinook salmon redd surveys were reviewed and finalized by: Daniel A. Garcia - North Zone Districts Fishery Biologist (Salmon/Cobalt Ranger District)

FORNEY C&H ALLOTMENT

2014 END OF YEAR REPORT

Salmon/Cobalt Ranger District

North Zone Salmon-Challis National Forest

MANAGEMENT

Permittee	Term Grazing Permit			2014 Authorized Use			Actual Use		
	Numbers	HM	Season of Use	Numbers	HM	Season of Use	Numbers	HM	Season of Use
Clay Jones	134	670	6/1-10/30	134	670	6/1-10/30	134	670	6/1-10/30
Kaden Piva	132	660	6/1-10/30	120	556	6/12-10/30	124	522	6/15-10/20

Unit Schedule:

Unit	Numbers	Authorized Season of Use	Actual Season of Use
West Side	258	9/10-9/18 and 10/1-10/30	9/04-10/30*
East Side/ Moyer Creek	258	6/1-9/9 and 9/19-09/30	6/1-9/30
Holding Pasture	Rest	REST	REST
Riparian Pasture	Incidental Use	-	-

*Piva permitted livestock requested and were granted permission to remain on the Westside unit directly after weaning.

Compliance with Unit Schedule in AOI:

Allotment inspections: Allotment inspections consist of a Range Specialist and/or Range Technician visiting the allotment to check on location of livestock, improvement condition and/or monitor for annual indicators. There were two seasonal employees whose primary responsibility was the inspection of this allotment most specifically the Holding Pasture starting August 4th thru October 23rd. Prior to that allotment checks were conducted on 6/15, 6/16, 7/14-16, 7/21-7/25, and 7/26-8/1.

Improvement Monitoring: All troughs on the Eastside were inspected with one identified for replacement in 2015.

Compliance with special Terms and Conditions regarding livestock locations and management practices:

NMFS

RPM #1(a, b, c, d) and RPM#3(a) The whole of this report addresses this term. Conservation measures were followed. Riparian Pasture Permanent fencing was completed and the Holding Pasture was not used to wean or gather. Monitoring was conducted according to schedule and complied with the standards set forth in the BO's.

RPM #1(e) and RPM # 2 (g) although the permittee did not receive any direct training, monitoring results indicates the permittee has a grasp of what the standards are.

RPM#1 (f, g, h, i, j) and RPM#2 (h, i, j, k, l) An AOI meeting was held where all the measures laid out in the BA and BO's were discussed along with any potential areas of concern. Measures such as riding, trailing and fence maintenance were accomplished satisfactorily with the BO's

RPM #2 (a, b) The proposed fencing along the Riparian Pasture was completed in 2014. Documentation of Chinook salmon Redd Trampling in Panther Creek within the Forney Allotment

- Tuesday, September 16th. The seasonal fish crew (Bill Slavin, Heidi Messner), two watershed seasonal crew members, and two fish biologists (Dan Garcia, Craig Hemping) were en route to perform stream crossing monitoring and electrofishing in Camas Creek and a tributary (Furnace Creek). On the way to this location we drove by the Forney Allotment (Holding Pasture) and noticed there were 6 head of cattle within the Holding Pasture near the ford crossing, and numerous cows below (downstream) of the Holding Pasture both on private land as well as on the Panther Creek Road. The decision was made to have the seasonal crew return the following day and walk the section of Panther Creek flowing through the Holding Pasture, inspecting for any possible damage the cattle may have caused the Chinook salmon redds located in that reach of stream.
- Wednesday, September 17th. The seasonal fish crew performed a redd survey of Panther Creek within the Holding Pasture. They found two redds which they believed to have been trampled by cattle. Both redds were located near the private land fence along the Forest boundary. The locations of these redds are as follows:
Redd 1: N 44.96476 W 114.35620

Redd 2: N 44.98557 W 114.34844

The seasonal technicians informed Dan Garcia and I of their findings immediately upon returning to the office. The fish seasonals, Dan, and myself then met with the District Ranger, Jay Winfield, in his office at 5pm Wednesday night. In that meeting we had Ingrid Drieling, range specialist on a speaker phone to discuss: the findings; how the livestock might have accessed the Holding Pasture; and possible options to take additional preventative corrective measures from additional livestock trampling of Chinook salmon redds. Dan had to attend an Upper North Fork field trip with the IDT, SO timber and fire specialists and the North Fork District Ranger on the 18th, so it was decided, following the Livestock Grazing Consultation Communication Plan, that Ingrid Drieling and I would accompany the fish seasonals the following day to confirm or reject the redd trampling findings.

Ingrid Drieling contacted both permittees Wednesday evening after the discussions to inform the permittees of the situation. Clay and Ingrid discussed the livestock seen in the Holding Pasture, when they were removed by the permittees (Tuesday) and the possibilities of how they were getting into the pasture. Clay asked to meet up with the fisheries and range crew the next day to discuss the situation further. Kaden Piva also confirmed the livestock that were in the Holding Pasture were removed as soon as they were identified by the permittees. Both permittees were cooperative and willing to help in any way possible to mitigate livestock intrusion.

- Thursday, September 18th. Craig Hemping, Ingrid Drieling, Heidi Messner, and Bill Slavin traveled to the Forney Allotment to inspect the redds in question. No cattle were observed in the Holding Pasture at this time. All persons present unanimously agreed there had been trampling of the two Chinook salmon redds in question. An email was sent from the Moyer Administrative Site at 12:31 p.m. to inform Jay Winfield (District Ranger) and Dan Garcia of the findings.

Moyer SCA Range crew hiked the fence along the Holding Pasture and found it to be in good condition with no holes where livestock could get through. All gates were closed within the Holding Pasture.

The fish crew, Ingrid and I met with Dan Thursday at 4:30pm to talk about the days findings and develop recommendations for the District Ranger. We all agreed to the following recommendations to address livestock

access from private land into the Holding Pasture along the Panther Creek road. Those recommendations include the following:

1. Install approx. 150' of Jack Fence to replace the downed wire fence on the private land adjacent to the Holding Pasture on the Northwest Corner. This fence would connect into existing fence that is functioning properly. **This was completed October 9th, 2014**
2. Install a cattle guard on the Panther Creek road near 4th of July Creek. This is the downstream end of the FS Holding Pasture and is a division between private and FS land. **This was completed October 9th, 2014.**
3. Continue to monitor on a 3x daily schedule to identify any livestock intrusion into the Holding Pasture until the cattle guard can be installed. If livestock are found to be in the Holding Pasture Ingrid Drieling will be called immediately on her personal cell phone. She will then call the two permittees to have the livestock removed from the Holding Pasture.

RPM #2(c) No take was documented along Moyer Creek between August 21st and September 15th (date of livestock removal from Moyer Creek)

RPM#2(d) No redd trampling was identified in any other stream reach (i.e. Fourth of July Creek, Corral Creek and Cabin Creek drainages)

RPM#2(e, f): No redd trampling was identified in any other stream reach (Moyer, Musgrove and Porphyry Creek)

RPM #2(g, h) see RPM#1(e)

RPM #2(h, i, j, k, l) see RPM#1 (f, g, h, i, j)

RPM#3 see RPM#1(a, b, c, d)

RPM #3 (b) The whole of this report address this term.

MONITORING DATA

Annual Indicator Monitoring: For the 2014 grazing season, monitoring was completed at Designate Monitoring Areas (DMAs) using the Multiple Indicator Monitoring (MIM) technical reference (Burton, 2012). If the site did not meet the guidelines for establishment of a MIM photos were taken and are attached to this document. Upland monitoring was completed using the Landscape Appearance Method or Height –Weight method. Utilization for the 2014 grazing season met the use standards and annual indicators in the AOI, BA and BO. **PLEASE REFER TO THE ATTACHED TABLE AND PHOTOS FOR ANNUAL INDICATOR RESULTS.**

OTHER INFORMATION

Growing Season Conditions: Precipitation for the District was below normal for 2014. The precipitation information for the District is included in the table below. While this information is collected in Salmon, Idaho and is not specific to an allotment area, it gives an idea of the available moisture on the District.

Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Precipitation (in.) in 2014	0.64	0.73	0.23	0.26	0.83	0.95	0.1	2.03	0.42	0.54			6.73
Average Precipitation (in.) from 1967-2012 *	0.66	0.42	0.55	0.78	1.36	1.42	0.95	0.78	0.76	0.65	0.72	0.74	9.79

* This website has not been updated since 2012.

Recommendations for Future Management:

- Inspect condition of private land where it shares a boundary with Forest Service.
- Increase communication with Service Agencies.
- Install trail cameras at strategic locations between FS and private land boundaries where open gates have been an issue in the past.

Sources

Burton, T.A., S.J. Smith, and E.R. Cowley. 2011. Riparian area management: Multiple indicator monitoring (MIM) of stream channels and streamside vegetation. Technical Reference 1737-23. BLM/OC/ST-10/003+1737. U.S. Department of the Interior, Bureau of Land Management, National Operations Center, Denver, CO. 155p.

USDI, BLM. 1996. Utilization Studies and Residual Measurements, BLM Interagency Technical Reference, BLM/RS/ST-96/004+1730. 135p.

NOAA National Climatic Data Centers. 201. "Monthly Climatological Summary (2014), Salmon KSRA, ID, US." Retrieved October 29, 2014. <www.ncdc.noaa.gov>

Western Regional Climate Center. 2014. "Monthly Climate Summary, Salmon KSRA, Idaho (108080)." Retrieved on October 29, 2014. <www.wrcc.dri.edu>

Prepared By:



Ingrid Drieling

Rangeland Management Specialist

2014 FORNEY C&H ALLOTMENT MONITORING DATA

Actual Grazing Schedule			Allowable Standards				Actual Results			
Unit Name	On/Off Dates	Monitoring Date	Riparian			Upland	Riparian			Upland
Eastside/Moyer Creek Moyer Unit- Moyer Creek MIM M213	7/1-9/15		Greenline Stubble	Hydric spp.	4in	50%	Greenline Stubble	Hydric spp.	10in	
			Bank Alteration	n/a	20%		Bank Alteration	n/a	8%	
			Browse Use	Willow	50%		Browse Use	Willow		
Westside Unit- 4 th of July MIM	9/4-10/30	11/5	Greenline Stubble	Hydric spp.	4 in.	50%	Greenline Stubble	Hydric spp.	18in	5%
			Bank Alteration	N/A	15%		Bank Alteration	N/A	2%	
			Browse Use	Willow	50%		Browse Use	Willow	10%	
*Westside Unit- Porphyry Creek MIM M221	6/4-7/1		Greenline Stubble	Hydric spp.	4 in.	50%	Hydric spp.	Hydric Ssp.		New Beaver Dam prohibited monitoring photos recorded for 2014 grazing season
			Bank Alteration	N/A	10%		Bank Alteration	N/A		
			Browse Use	Willow	50%		Browse Use	Willow		
**Holding Pasture- Panther Creek			Greenline Stubble	Hydric spp.	6in	%	Greenline Stubble	Hydric spp.		
			Bank Alteration	n/a	20%		Bank alteration	n/a		
			Browse Use	Willow	50%		Browse Use	Willow		

*A Beaver Dam monitoring on this site. Photos were taken and recorded.

** The Holding Pasture was not schedule for use; the slight use the Holding Pasture received did not warrant conducting a MIM for the 2014 season.

✓ Entered NRIS. H. Messner. 2015. 01. 26

last edited 8/11/2014

Chinook salmon Redd Survey Salmon-Challis National Forest (North Zone)

NMFS Biological Opinion Number: 2012 / 02643 NMFS BO Forney Allotment

Stream Name: Moyer Creek Survey Date: 8/18/14

Allotment Name: Forney Unit Name: Moyer

Start Time: 1400 Stop Time: 16:00 Number of Pictures Taken: 4

Stream Segment Length on GPS: 0.5280 miles

Estimated Stream Segment Length measured with GIS: _____

Site Directions: Hwy 93S to Shop. Drive up Williams Creek, take Napias (076) creek Rd or Deep Cr (101) Rd to Panther Cr. Rd (55). Drive up Moyer Creek Rd. Site is ~ 0.5 miles up Moyer. Walk down to mouth of Moyer + Panther (site ends here)

Survey Crew: Ryan Kelleher, Tyler Gwrett

(top) H₂O Temp: 52.8 Air Temp: 83.8°F Elevation: 5534 ft Taken
(bottom) H₂O Temp: 58.9 Air Temp: 83.8°F Elevation: 5482 ft 8/26/14 15:30

Starting Location GPS (UTM): Zone 11T Easting 722008.53 Northing 4988016.02

Degree Decimal: N: 45 01 08.3580 W: 114 18 26.4960

Stopping Location GPS (UTM): Zone 11T Easting 721873.30 Northing 4988209.05

Degree Decimal: N: 45 01 26.1360 W: 114 18 42.7860

Number of Live Adult Chinook salmon Observed: 08

Number of Adult Chinook salmon carcasses Observed: 0

Number of Chinook salmon Redds Observed: 03

Number of Chinook salmon Redds Observed that Livestock Trampled: 0

Comments: 2 Test redds were found. Water was clear.

Moyer CV

Comments continued:

Completed Redd: Degree Decimal: N: 45.020645 W: 114.308605

Completed Redd: Degree Decimal: N: 45.021600 W: 114.310527

Completed Redd: Degree Decimal: N: 45.022351 W: 114.310700

Completed Redd: Degree Decimal: N: _____ W: _____

VNRU entered. H. Mejsner 2015. 01. 26

last edited 8/11/2014

Chinook salmon Redd Survey Salmon-Challis National Forest (North Zone)

NMFS Biological Opinion Number: 2012 102643 NMFS BO Forney Allotment

Stream Name: Musgrave Creek Survey Date: 8/18/14

Allotment Name: Forney Unit Name: West Side Panther

Start Time: 8:30 Stop Time: 12:15 Number of Pictures Taken: 11

Stream Segment Length on GPS: 0.510 miles

Estimated Stream Segment Length measured with GIS: _____

Site Directions: Hwy 93 S. to Shoup. Drive over Williams Creek Summit + down Deep C Rd (101) or Nopias Cr Rd (076) + Panther Cr Rd (055). Take a R on Musgrave Cr Rd (059). Site begins ~ 0.5 miles up Rd. Walk downstream to mouth of Musgrave + Panther (this is the end).

Survey Crew: Ryan Kelleher, Tyler Garrett

(top) H₂O Temp: 54.4^{°F} Air Temp: 83.8^{°F} Elevation: 5564 ft
(bottom) H₂O Temp: 55.7^{°F} Air Temp: 83.9^{°F} Elevation: 5505 ft
taken 8/26/14 15:00

Starting Location GPS (UTM): Zone 11T Easting 710940.45 Northing 4988773.18

Degree Decimal: N: 45 01 15.6780^{45.0210217} W: 114 19 21.4740 -114.3226317

Stopping Location GPS (UTM): Zone 11T Easting 711573.26 Northing 4988917.07

Degree Decimal: N: 45.022127 W: 114.314548

Number of Live Adult Chinook salmon Observed: 25

Number of Adult Chinook salmon carcasses Observed: 1

Number of Chinook salmon Redds Observed: 3

Number of Chinook salmon Redds Observed that Livestock Trampled: 0

Comments: 3 test Redds were found.
Water was clear.

Comments continued:

- A1 Completed Redd: Degree Decimal: N: 45.021117 W: 114.316969
- Completed Redd: Degree Decimal: N: 45.021482 W: 114.316890
- Completed Redd: Degree Decimal: N: 45.021682 W: 114.316203
- Completed Redd: Degree Decimal: N: _____ W: _____
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NRIs entered. 2015.01.26. H. Messner

Chinook salmon Redd Survey Salmon-Challis National Forest (North Zone)

last edited 8/11/2014

NMFS Biological Opinion Number: 2014/02643 NMFS BO Forney Allotment

Stream Name: Panther Creek Survey Date: 8/20/14

Allotment Name: Forney Unit Name: Holding Pasture

Start Time: 11:00 Stop Time: 15:58 Number of Pictures Taken: 52

Stream Segment Length on GPS: 2.40 Km

Estimated Stream Segment Length measured with GIS:

Site Directions: Hwy, 93 S. to Williams Cr Rd. (021) Follow (021) to Panther Cr. Rd. (55) Drive up (55) past Mayer. Survey started at upper end of unit at fence line. Park at Cattleguard. Walk downstream.

Survey Crew: Heidi Messner, Tyler Garrett, Ryan Kelleher (SCA)

(top) H2O Temp: 52°F Air Temp: 58°F Elevation: 5989 Ft

(bottom) H2O Temp: 56°F Air Temp: 60°F Elevation: 5757 Ft

Starting Location GPS (UTM): Zone 11T Easting 0708505 Northing 4982427

Degree Decimal: N: 44.96467° W: 114.35614°

Stopping Location GPS (UTM): Zone 11T Easting 0709067 Northing 4984756

Degree Decimal: N: 44.98545° W: 114.34806

Number of Live Adult Chinook salmon Observed: 7

Number of Adult Chinook salmon carcasses Observed: 0

Number of Chinook salmon Redds Observed: 7

Number of Chinook salmon Redds Observed that Livestock Trampled: 1

Comments: NO CATTLE in AREA - HAD to break part way thru due to bad weather. CATTLE TRACKS & MANURE (FRESH) on gravel bar & throughout this section of stream

N: 44.97343° W: 114.35649° (See Photos). R2 had 1

Female adult swimming near + redd is fenced w/ posts, wire, + Blue Flags. Possible test Redd at N: 44.97831

W: 114.35276°. Redd # 5 possibly trampled by cattle.

Chinook: 11

Redd # 7 w/ 1 fish

- R1 Completed Redd: Degree Decimal: N: 44.96475° W: 114.35619°
- R2 Completed Redd: Degree Decimal: N: 44.97504° W: 114.35410°
- R3 Completed Redd: Degree Decimal: N: 44.98373° W: 114.35086° } side
- R4 Completed Redd: Degree Decimal: N: " W: " } side
- R5** Completed Redd: Degree Decimal: N: 44.98480° W: 114.35008° } Possible If sampled
- R6 Completed Redd: Degree Decimal: N: 44.98554° W: 114.34846° (above fence)
- R7 Completed Redd: Degree Decimal: N: 44.98554° W: 114.34822° (w/a fence)

Completed Redd: Degree Decimal: N: _____ W: _____

Garcia, Dan -FS

To: Winfield, Jay -FS; Drieling, Ingrid -FS
Subject: Field Visit Panther Creek Holding Pasture 08-22-2014
Attachments: 20140820Forney_Holding PastureReddSurvey (42).JPG

Jay, This email is for documentation of the field visit Ingrid Drieling and I made today to verify a potential Chinook salmon redd trampling by livestock in the Forney Allotment's Holding Pasture. The attached map shows the location of 7 Chinook salmon redds found in Panther Creek within the Forney Allotment's Holding Pasture. Heidi Messner (north zone fish seasonal) and two SCA employees completed the redd survey in Panther Creek from top to bottom within the Holding Pasture on Wednesday 8/20/2014. Heidi and the two SCA employees completed a Chinook salmon redd survey training on August 12, 2014 near Stanley, Idaho in Marsh Creek. Jordan Messner (IDFG fish biologist) and I put on the training for our fish crew, the hydrologists and their crew, two range employees and two SCA employees because we could not make the official training up near McCall this year.

Ingrid and I visited the potential redd location with the potential livestock trampling today 8/22/14. The redd location was flagged by both the Forest and the Shoshone-Bannock Tribes so we knew we were at the correct location. While at the site Ingrid and I went through the 4 D's to identifying a redd.

Disturbance

- Did something happen here?

Digging

- Did a fish do this?

Definition

- Does it have structure?

Deposition

- Are there eggs there?

We both felt the potential redd showed clear evidence of the first 3 D's but did not show evidence of a pillow where the eggs would be located. I don't believe the potential redd where there was potential livestock trampling of a redd is a completed redd. The rationale for not calling this site a Chinook salmon redd is the disturbed substrate where the pillow should be located was too large a size for substrate on top of a pillow. The substrate where a pillow should be located was baseball to softball sized angular rock.

So then Ingrid and I asked the question could cows have destroyed the formation of the pillow.

We came to the conclusion that there were no in stream signs that cows could have destroyed the pillow.

There were tracks from cows to the stream near the redd but no signs the cows walked in or across the stream.

There were no signs of the cows on the other side of the stream from the redd.

We did find a few old cow pies in the riparian area above the potential redd but the cow pies were dried out indicating they were not fresh within the last the two weeks.

Also, Ingrid pointed out the grazing that occurred was not fresh indicated by the tips of the grazed grass blades being brown.

Therefore, for all of the reasons listed above it is my professional judgment there is no evidence of Chinook salmon redd trampling by livestock within the Forney Allotment's Holding Pasture as of 1pm on 8/22/2014.

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Dan Garcia (dgarcia@fs.fed.us)
North Zone Districts Fishery Biologist
Salmon-Challis National Forest
Salmon-Cobalt Ranger District

NMFS Biological Opinion Number: 2010/0368

Stream Name: Panther Creek Survey Date: 8/25/14

Allotment Name: Forney Unit Name: Panther Creek Riparian

Start Time: 11:06 Stop Time: 14:21 Number of Pictures Taken: 12 Pasture

Stream Segment Length on GPS: 2.4 Km

Estimated Stream Segment Length measured with GIS: _____

Site Directions: Drive Hwy 93 S. to Shoup bridge, over Williams summit, down Deep Creek (101) or Napias Rd (076) to Panther Creek Rd. Drive to the private ground where old white house is. Site is just below jack fence + ends at mouth of Moyer Creek.

Survey Crew: Bill Slavin, Craig Hempling, Heidi Messner, Tyler + Ryan (SCA)

(top) H₂O Temp: 46°F Air Temp: 58°F Elevation: 5578 ft
(bottom) H₂O Temp: 51°F Air Temp: 64°F Elevation: 5473 ft

Starting Location GPS (UTM): Zone 11T Easting 0710594 Northing 4987157

Degree Decimal: N: 45.00659 W: 114.32771

Stopping Location GPS (UTM): Zone 11T Easting 0711768 Northing 4989217

Degree Decimal: N: 45.02477 W: 114.31196

Number of Live Adult Chinook salmon Observed: 26

Number of Adult Chinook salmon carcasses Observed: 6

Number of Chinook salmon Redds Observed: 5

Number of Chinook salmon Redds Observed that Livestock Trampled: 0

Comments: Water conditions: lightly turbid.

This is the section of Panther where the new fence was installed to Moyer Administration site.

VNRIS entered. H. M. B. No. 2015.01.26

Chinook salmon Redd Survey Salmon-Challis National Forest (North Zone)

last edited 8/11/2014

NMFS Biological Opinion Number: 2014/02643 NMFS BO Farney Allotment

Stream Name: Panther Creek Survey Date: 8/28/14

Allotment Name: Farney Unit Name: Holding Pasture

Start Time: 10:30 Stop Time: 11:25 Number of Pictures Taken: _____

Stream Segment Length on GPS: 1.16 Km

Estimated Stream Segment Length measured with GIS: _____

Site Directions: Salmon to Williams Cr Rd. (020) over Williams Cr Summit to Deep Cr Rd. (101) down to Panther Cr Rd (55) Follow (55) to Cattleguard just below Cabin Cr Survey Starts at Fence line going down Stream.

Survey Crew: Bill Slavin, Max Banner, Tyler Garnett, Ryan Kelleher
YCC - SCA!

(top) H₂O Temp: 50°F Air Temp: 64°F Elevation: 5972 FT

(bottom) H₂O Temp: 51°F Air Temp: 68°F Elevation: 5881 FT

Starting Location GPS (UTM): Zone 11T Easting 0708502 Northing 4982431

Degree Decimal: N: 44.964711 W: -114.35617384

Stopping Location GPS (UTM): Zone 11T Easting 0708629 Northing 4983585

Degree Decimal: N: 44.975051 W: -114.3540877

Number of Live Adult Chinook salmon Observed: 3

Number of Adult Chinook salmon carcasses Observed: 0

Number of Chinook salmon Redds Observed: 2

Number of Chinook salmon Redds Observed that Livestock Trampled: 0

Comments: Clear water - cows observed on East side. Saw cows in unit on the previous day so check on Redds to see if trampled -

✓NRIS entered. H. Messner. 2015. 01. 26

Chinook salmon Redd Survey Salmon-Challis National Forest (North Zone)

last edited 8/11/2014

NMFS Biological Opinion Number: 2014/02643 NMFS BO Forney Allotment

Stream Name: Panther Creek Survey Date: 9/17/14

Allotment Name: Forney Unit Name: Holding Pasture

Start Time: 12:17 Stop Time: 13:15 Number of Pictures Taken:

Stream Segment Length on GPS: 2.40 Km

Estimated Stream Segment Length measured with GIS:

Site Directions: 93 S. to Williams Cr. Rd. (021). Follow (021) to Panther Cr. Rd (055). Drive up (055) past Moyer. Survey started @ upper end of unit at fence line. Park at cattle guard. Walk downstream.

Survey Crew: Bill Slavin, Heidi Messner

(top) H2O Temp: 44°F Air Temp: 72°F Elevation: 5989 ft
(bottom) H2O Temp: 44°F Air Temp: 72°F Elevation: 5757 ft

Starting Location GPS (UTM): Zone 11 T Easting 0708505 Northing 4982427

Degree Decimal: N: 44.96467° W: 114.35614°

Stopping Location GPS (UTM): Zone 11 T Easting 0709067 Northing 4984756

Degree Decimal: N: 44.98545° W: 114.34806°

Number of Live Adult Chinook salmon Observed: 0

Number of Adult Chinook salmon carcasses Observed: 0

Number of Chinook salmon Redds Observed: 5

Number of Chinook salmon Redds Observed that Livestock Trampled: 2

Comments: Water - clear

No cattle seen, but lots of cattle sign (tracks). Cattle observed day before (9/16/14) in unit.

(072) Completed Redd: Degree Decimal: N: 44.96476° W: 114.35620° (possibly trampled)
 (R-102) Completed Redd: Degree Decimal: N: 44.97505° W: 114.35406° (fenced redd)
 (074) Completed Redd: Degree Decimal: N: 44.98373° W: 114.35086°
 (077) Completed Redd: Degree Decimal: N: 44.98557° W: 114.34844° (possibly trampled)
 (078) Completed Redd: Degree Decimal: N: 44.98557° W: 114.34824° (beaver dam built over)

Completed Redd: Degree Decimal: N: _____ W: _____
 Completed Redd: Degree Decimal: N: _____ W: _____