

**Hawley Creek Cattle & Horse Allotment's  
2014 Annual Monitoring Report  
for the  
US Fish and Wildlife Service's 6/23/2010 Biological Opinion  
(File # 114.0600, 14420-2010-F-0347)**

**APPENDIX C**

**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 Supervisor of the Service's Eastern Idaho Field Office, 4425 Burley Dr., Suite A, Chubbuck, Idaho 83202; telephone (208) 237-6975. Please include name and contact information in case additional information is needed.

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

Big Bear Creek (See attached bull trout redd survey).

2. What was the date of the survey, and what were the water conditions?

The survey date was 9/10/2014 and the water conditions were normal and clear. See attached bull trout redd survey.

3. Which stream segment was surveyed and how many redds and impacted redds were found? (Please give GPS start and stop points for segments)?

There were 8 live bull trout observed. There were no bull trout redds observed during the survey and therefore no bull trout redds were impacted.

The GPS UTM starting location was Zone 12T, Easting 0331783, Northing 4949069  
The GPS UTM stopping location was Zone 12T, Easting 0330834, Northing 4948795  
See attached bull trout redd survey.

4. What was the date that livestock were removed from the pasture with surveyed stream segment?

According to the Actual Use On/Off dates given to the Forest by the Permittee 693 cow/calf pairs were in the Big Bear Unit between 8/12 and 9/12. See attached Hawley Creek C&H Allotment's 2014 End of the Year Report.

5. Did this number exceed the scale anticipated in section VII of the Biological Opinion?

NO

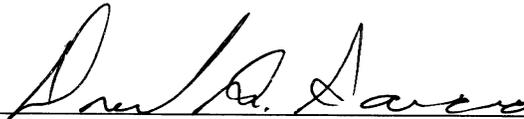
6. Were there any changes to the grazing management that differed from the proposed grazing management in the Forest's Biological Assessment? If yes, what were they?

NO. See attached Hawley Creek C&H Allotment's 2014 End of the Year Report.

7. 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.

There were no unexpected circumstances or events that resulted in impacts beyond what the forest anticipated in the 2010 Biological Assessment.

Salmon-Challis National Forest Official:



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

Date:

2/29/2015

Contact Information:

Salmon/Cobalt Ranger District, 311 McPherson St South, Salmon, ID 83467  
(208) 756-5237 or dgarcia@fs.fed.us

The attached Hawley Creek 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](mailto: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 Big Bear Creek bull trout redd survey was reviewed and finalized by:  
Daniel A. Garcia - North Zone Districts Fishery Biologist (Salmon/Cobalt Ranger District)

**HAWLEY CREEK C&H ALLOTMENT**  
**2014 End of Year Report**  
**Leadore Ranger District**  
**North Zone Salmon-Challis National Forest Service**

**MANAGEMENT:**

Term Grazing Permit				Authorized Use			Actual Use		
Permittee	Numbers	Head Months	Season of Use	Numbers	Head Months	Season of use	Numbers	Head Months	Season of Use
Leadore Land Partners, L.L.C. 316 c/c	316 c/c	956	7/1-9/30	253c/c	765	7/1-9/30	247c/c	698	7/1-9/24
McFarland Livestock 302 c/c	302 c/c	913	7/1-9/30	242c/c	732	7/1-9/30	242 c/c 3 bulls	693	7/1-9/24
Shiner Ranches 247 c/c	247 c/c	747	7/1-9/30	198c/c	599	7/1-9/30	188c/c 11 bulls	563	7/1-9/24

**Unit Schedule**

Unit	Numbers	Authorized Season of use	Actual Numbers	Actual Season of Use
Little Bear/Stove	693c/c	Rest		
Lower Ranch	693c/c	7/1-7/20	677c/c 14 bulls	7/1-7/10
Upper Ranch	693c/c	7/21-8/31	677c/c 14 bulls	7/11-8/15
Little Bear	693c/c	9/1-9/17	668c/c 14 bulls	9/12-9/24
Big Bear	693c/c	9/18-9/30	670c/c 14 bulls	8/12-9/12
Little Bear Riparian Pasture		Incidental use		
Fish Pasture		Incidental use		

**Compliance with Unit Schedule in AOI:**

Unit moves complied with critical dates for cattle presence with spawning and incubating fish, per the Biological Assessment, USFWS 2010 Hawley Creek C&H Allotment Biological Opinion and the NMFS 2010 Hawley Creek C&H Allotment Biological Opinion. Allotment moves were conducted by permittees. The Little Bear unit was supposed to be used after the Big Bear unit. This did not happen in 2014 and the rotation for those two units was switched. Livestock were moved out of Lower Ranch and Upper Ranch early as triggers were met.

The permittees recorded using 2 tons of salt and riding a total of 15 days. The allotment also has one full time rider.

**Allotment Inspections:** Allotment inspections were conducted on the following dates: 6/12, 6/17, 6/19, 7/27, 8/14, 8/20, 9/2, 9/15, 10/1, and 10/6. 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.

**Reasonable and Prudent Measure #1 (USFWS):** The whole of this report address this term. Conservation measures #1, 2, 4, 5, 6, and 7 were followed. Conservation measure #3 was not followed in the Big Bear unit, where riparian stubble height was exceeded by ½ inch at Meadow Creek.

## **MONITORING DATA**

**Annual Indicator Monitoring:** For the 2014 grazing season, monitoring was completed at Designated Monitoring Areas (DMA) using the Multiple Indicator Monitoring (MIM) technical reference (Burton 2012). Upland monitoring was completed using the Landscape Appearance Method or Height-Weight Method (USDI, BLM 1996). **PLEASE REFER TO TABLE AT END OF REPORT.**

**Long Term Monitoring:** During the 2014 grazing season, long term riparian monitoring was completed using the MIM protocol (Burton 2012) in the Fish Pasture Unit along Big Bear Creek at the DMA site M304.

**Improvement Monitoring:** Inspections were conducted on the following improvements in 2014:

- Reconstructed Jack fence #4191 around spring
- Ranch Horse Pasture Fence # 4064 was inspected on June 17, 2014. The fence wire was broken in several places and needed to be restrung.
- Hawley Creek Boundary Fence # 4060 was inspected on June 17, 2014. The fence was in good condition and did not require any repairs.
- Horsethief Sheep Water Development # 4209 was inspected on June 12, 2014. The water development was functioning, but the trough liner and the post/pole frame needed maintenance.

**Permittee reported maintenance:**

- Rebuilt Jack Fence at Spring- Little Bear
- Maintained temporary water troughs at Bog Creek, Wheetip
- Maintained temporary electric fence at Bog Creek
- Maintained temporary water line behind Kagels pvt.

**Permit Administration:**

- The permits on this allotment were under a 20% suspension for the 2014 grazing season.
- On Dec 5<sup>th</sup> a meeting was held with the Hawley Creek permittees to discuss the grazing season, use and rotations along with plans for the 2015 grazing season. Some highlights from the meeting included:
  - Discussion on the need to address through temporary fencing or rest the resource conditions in Bog Creek.
  - Ensuring AOI's are strictly followed and should there be any potential deviation the RMS is notified prior to the deviation.
  - The potential to implement burning within the Little Bear Riparian pasture, utilizing the fence that was installed in the early 2000's for that reason.
  - Opportunity for incorporating rest into the rotation.

- Definition of incidental use within the Fish Pasture and Little Bear Riparian and the access and frequency of livestock in these areas.
- Discussion on late season unauthorized off road vehicular travel and the frequency of its occurrence in the fall, more so this year than years past.

**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 at the Leadore 2 weather station in Leadore, 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.) 2014	1.11	0.04	0.3	0.51	0.2	0.45	0.56	0.61	0.13	0.54			4.45
Average Precipitation (in.) from 1965-2013	0.34	0.21	0.43	0.68	1.34	1.27	0.77	0.69	0.85	0.61	0.44	0.43	8.06

**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), Leadore Number 2, ID, US." Retrieved November 3, 2014. <[www.ncdc.noaa.gov](http://www.ncdc.noaa.gov)>

Western Regional Climate Center. 2014. "Monthly Climate Summary, Leadore 2, Idaho (105177)." Retrieved on November 3, 2014. <[www.wrcc.dri.edu](http://www.wrcc.dri.edu)>

**Prepared By:**

**Ingrid Drieling**  
**Range Management Specialist**

2014 HAWLEY CREEK C&H ALLOTMENT MONITORING DATA

Actual Grazing Schedule				Allowable Standards				Actual Results				
Unit Name	On Date	Off Date	Date Read	Riparian				Upland	Riparian			Upland
Little Bear/Stove Creek Unit (M302)	RESTED			Greenline Stubble	Carex spp.	6 in.		50%	Greenline Stubble	Carex spp.		
				Bank Alteration	N/A	15%			Bank Alteration	N/A		
Big Bear Unit/Big Bear Creek (M276)			9/15	Greenline Stubble	Carex spp.	5 in.		50%	Greenline Stubble	Carex spp.	5.6 in.	
				Bank Alteration	N/A	10%			Bank Alteration	N/A	10%	
				Woody Browse	No Standard Listed in the BA				Woody Browse	Browse spp.	8.8%	
Fish Pasture Unit-Big Bear Creek (M304)	INCIDENTAL USE		8/20, 10/1	Greenline Stubble	Carex spp.	6 in.		50%	Greenline Stubble	Carex spp.	16.4 in, 11.4 in.	1.2%, 12.3% 3.7%
				Bank Alteration	N/A	15%			Bank Alteration	N/A	3%, 7%	
				Woody Browse	No Standard Listed in the BA				Woody Browse	Browse spp.	10%, 10.2%	
Lower Ranch Unit-Reservoir Creek (M303)			9/2, 10/1	Greenline Stubble	Carex spp.	6 in.		50%	Greenline Stubble	Carex spp.	7.9 in.	5.9%
				Bank Alteration	N/A	15%			Bank Alteration	N/A	10%	
Little Bear Riparian Unit-Little Bear Creek (M298)	INCIDENTAL USE		10/6	Greenline Stubble	Carex spp.	5 in.		50%	Greenline Stubble	Carex spp.	7.9 in.	41%
				Bank Alteration	N/A	20%			Bank Alteration	N/A	14%	
Little Bear Unit-Little	7/31	8/9	9/2, 10/6	No Standards Listed in the BA				50%	Greenline Stubble	Hydric spp.		29%, 1.9%

Bear Creek (M305)								Bank Alteration	N/A			
								Woody Browse	Browse Species			
Big Bear Unit-Meadow Creek (M280)	8/10	8/17	8/29, 9/15, 9/25, 10/1	Greenline Stubble	Carex spp.	5 in.	50%	Greenline Stubble	Hydric spp.	8.5 in, 5.5 in, 4.5 in.	20.16%, 7.8%, 34.70%	
				Bank Alteration	N/A	20%		Bank Alteration	N/A	7%, 17%, 11%		
				Woody Browse	No Standard Listed in the BA			Woody Browse	Browse Species	10.5%, 19.8%, 33%		
Big Bear Unit-Bog Creek (M278)	8/10	8/17	10/1	No Standards Listed in the BA			50%	Greenline Stubble	Greenline Stubble			
				Bank Alteration				Bank Alteration	Hydric spp.			
				Woody Browse				Woody Browse	N/A			
Upper Ranch Unit- Quaking Aspen Creek (M297)			7/24, 8/14	No Standards Listed in the BA				Greenline Stubble	Greenline Stubble	4.9 in. 5.3 in.	18%	
				Bank Alteration				Bank Alteration	Hydric spp.	15%, 27%		
				Woody Browse				Woody Browse	N/A	20.5%, 19.5%		
Little Bear Unit-Wheetip Creek (M279)	7/31	8/9		No Standards Listed in the BA			50%	Greenline Stubble	Greenline Stubble			
				Bank Alteration				Bank Alteration	Hydric spp.			
				Woody Browse				Woody Browse	N/A			

✓NRIS entered. H. Messner. 2014.12.30

Bull Trout Redd Survey Salmon-Challis National Forest (North Zone)

(last edited 8/11/2014)

Biological Opinion Name: Livestock grazing on the Hawley Creek grazing

Allotment.

Biological Opinion Number: 14420-2010-F-0347

Stream Name: Big Bear Creek

Survey Date: 9-10-14

Allotment Name: Hawley Creek

Unit Name: Fish Pasture / Lower

Start Time: 14:00

Stop Time: 14:56

Number of Pictures Taken: Some

Stream Segment Length on GPS: 900m

Estimated Stream Segment Length measured with GIS: \_\_\_\_\_

Site Directions: Hwy 28 S. to leadover - Turn EAST toward Dillon Mt. Fwy ~ 1/4 m. Then TAKE Hawley Cr Rd (275) on Right To Big Bear Rd (177) up past 2nd cattle guard about 700 m. This is top of survey.

Survey Crew: Bin Slavin, Heidi Messner, Max Bonner Craig

(top) H<sub>2</sub>O Temp: 52°F Air Temp: 56.7 Elevation: 7147 ft

(bottom) H<sub>2</sub>O Temp: 52°F Air Temp: 56.7 Elevation: 7115 ft

Starting Location GPS (UTM): Zone 12T Easting 0331783 Northing 4949069

Degree Decimal: N: 44.67527° W: 113.12236°

Stopping Location GPS (UTM): Zone 12T Easting 0330834 Northing 4948795

Degree Decimal: N: 44.67258° W: 113.13423°

Number of Live Adult bull trout Observed: 8

Number of bull trout Redds Observed: 0

Number of bull trout Redds Observed that Livestock Trampled: 0

Comments: No cattle in area, but major cattle impacts in area. Fresh sign.

water condition was clear -

about 700 m. of survey was above fish pasture top fence line - ~ 300 m. was below top fence line of fish pasture.