

**Hat Creek Cattle & Horse Allotment's
2014 Annual Monitoring Report
for the
US Fish and Wildlife Service's 8/24/2010 Biological Opinion
(File # 114.0700, 14420-2010-F-0425)**

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?

This allotment was not grazed in 2014. Hat 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 09/09/2014 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 no bull trout redds observed and therefore no bull trout redds were impacted.

The GPS UTM starting location was Zone 11T, Easting 0726714, Northing 4971860
The GPS UTM stopping location was Zone 11T, Easting 0726714, Northing 4972518
See attached bull trout redd survey.

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

The permittee took non-use due to a wolf and livestock interaction and proximity to a wolf den with a litter of pups and 10 radio collared wolves. See attached Hat 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?

The allotment was not grazed in 2014. See attached Hat 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: _____

2/24/2015

Contact Information:

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

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

The attached Hat 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

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 Hat Creek bull trout redd survey was reviewed and finalized by:
Daniel A. Garcia - North Zone Districts Fishery Biologist (Salmon/Cobalt Ranger District)

HAT CREEK C&H ALLOTMENT

2014 END OF YEAR REPORT

Salmon/Cobalt Ranger District

North Zone Salmon-Challis National Forest Service

MANGAEMENT

Permittee	Term Grazing Permit			Authorized Use			Actual Use		
	Numbers	Head Month	Season of Use	Numbers	Head Month	Season of Use	Numbers	Head Month	Season of Use
Glenn A. and Caryl L. Elzinga	311 c/c	879	7/1-9/24	120 yearlings & 50 c/c	481	7/1-9/24	NON-USE		
Glenn A. and Caryl L. Elzinga	207 c/c	592	7/1-9/25	Resource Protection Non-use	N/A				

Unit Schedule:

Unit	Numbers	Authorized Season of Use	Head Month	Actual Season of Use	Head Month
Little Hat Creek	120 yearlings & 50 c/c	7/1-7/31			
Park Moose	120 yearlings & 50 c/c	8/1-8/15		NON- USE	
Iron Mountain	120 yearlings & 50 c/c	8/16-9/10			
Big Hat	120 yearlings & 50 c/c	9/10-9/24			

Compliance with Unit Schedule in AOI:

The permittee took non-use due to a wolf and livestock interaction and proximity to a wolf den with a litter of pups and 10 radio collared wolves.

Allotment Inspections: Allotment inspections were conducted on the following dates: 7/22, 8/7, 8/20, and 9/17.

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.

Compliance with Special Terms and Conditions Regarding Livestock Locations and Management Practices:

Reasonable and Prudent Measure #1 (USFWS): The whole of this report address this term. Conservation measures were followed.

MONITORING DATA:

Annual Indicator Monitoring: For the 2014 grazing season, monitoring was completed at Designated Monitoring Areas (DMAs) 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). Utilization for the 2014 grazing season met the use standards and annual indicators in the AOI, BA and BO. **PLEASE REFER TO ATTACHED TABLE AND PHOTOS FOR ANNUAL INDICATOR RESULTS**

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

- Water Development #5285 was inspected on July 22, 2014. The water development appeared to be abandoned. The possible spring source appeared to be dried up, and the trough was riddled with holes and completely non-functional.

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	.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 information has not been updated since 2012.

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 November 3, 2014. <www.ncdc.noaa.gov>

Western Regional Climate Center. 2014. "Monthly Climate Summary, Salmon KSRA, Idaho (108080)." Retrieved on November 3, 2014. <www.wrcc.dri.edu>

Prepared by:



Ingrid Drieling
Range Management Specialist

2014 HAT 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	
Iron Mountain Unit (M203)	NON	USE	8/7	Greenline Stubble	Hydric spp.	4 in.	50%	Greenline Stubble	Hydric spp.	8 in.		
				Bank Alteration	N/A	20%		Bank Alteration	N/A	12%		
Big Hat Creek Unit (M235)	NON	USE		Greenline Stubble	Hydric spp.	4 in.	50%	Greenline Stubble	Hydric spp.			
				Bank Alteration	N/A	20%		Bank Alteration	N/A			
Park-Moose	NON	USE	8/20	Utilization	Hydric spp.	50%	50%	Utilization	Hydric spp.			0%
Little Hat Creek	NON	USE	8/7	Utilization	Hydric spp.	50%	50%	Utilization	Hydric spp.			2.56%

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

(last edited 8/11/2014)

Biological Opinion Name: Livestock grazing on the Hat Creek Grazing Allotment

Biological Opinion Number: 14420-2010-F-0425

Stream Name: Hat Creek Survey Date: 9-9-14

Allotment Name: Hat Creek Unit Name: Iron Mountain

Start Time: 12:24 pm Stop Time: 13:29 Number of Pictures Taken: Yes

Stream Segment Length on GPS: 734 m

Estimated Stream Segment Length measured with GIS: _____

Site Directions: Take Hwy 93 S. to Iron Cr Bridge - Follow Iron Cr Rd. up to Rd. (083) to Hat Cr bridge Bottom of site is just above bridge.

Survey Crew: Bill Slavin, Heidi Messner, Tucker Hamilton (Y22), John Dowse, Tam Matthews (Hydro)

(top) H₂O Temp: 42°F Air Temp: 70°F Elevation: 6932 ft

(bottom) H₂O Temp: 42°F Air Temp: 72°F Elevation: 6731 ft

Starting Location GPS (UTM): Zone 11T Easting 0726714 Northing 4971860

Degree Decimal: N: 44.86410 W: 114.13026

Stopping Location GPS (UTM): Zone 11T Easting 0726400 Northing 4972518

Degree Decimal: N: 44.87011 W: 114.13394

Number of Live Adult bull trout Observed: 0

Number of bull trout Redds Observed: 0

Number of bull trout Redds Observed that Livestock Trampled: 0

Comments: Water: clear
No cattle seen in area
Thick cover, swift stream w/ deep pools. Large substrate w/ some smaller-med. cobble.