Upper Hayden Cattle & Horse Allotment's
2014 Annual Monitoring Report
for the
National Marine Fisheries Service's 7/29/2010 Biological Opinion
(Refer to NMFS No: 2010/00852)

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.

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

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 Upper Hayden 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 Upper Hayden C&H Allotment's 2014 End of the Year Report.

   2014 Stream Temperature Data was collected or attempted to be collected on: Bear Valley Creek 2.1, East Fork Hayden Creek 3.2, Hayden Creek 10.2, Tobias Creek 0.2 and Wright Creek 0.4.

   2014 Electrofishing Data was collected on: Bear Valley Creek 2.3 and Kadletz 0.2

   2014 Watershed Programs Stream Sediment (Mean Percent Fines <0.25" at depth and Percent Bank Stability Monitoring, respectively, was collected on: No sites monitored within the allotment in 2014.

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

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

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

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

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

See attached Upper Hayden 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.

NONE

(7) A clear description of compliance with the terms and conditions contained in this incidental take statement.

See attached Upper Hayden C&H Allotment's 2014 End of the Year Report. There were no unexpected circumstances or events that resulted in impacts beyond what the forest anticipated. There was one Chinook salmon redd trampled near a ford crossing on Hayden Creek. This was the first livestock trampled redd on the allotment since the 2010 BA and BO. The Forest will be working with the permittee to reduce the potential for future livestock trampling near the ford crossing on Hayden Creek.

(8) Any management recommendations for subsequent years.

See attached Upper Hayden 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?

   Hayden Creek
   See attached Chinook salmon redd survey.

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

   The Hayden Creek survey date was 9/22/2014 with water conditions that were normal and clear. See attached Chinook salmon redd survey.

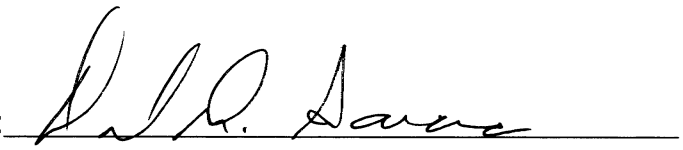
3. What was the date that livestock removed from the pasture with surveyed stream segment?

   9/22/2014 Hayden Creek – Boulder Flat Unit - According to the Actual Use On/Off dates given to the Forest by the Permittee livestock were in the Boulder Flat Unit between 9/15 and 9/30.

   See attached Chinook salmon redd survey.
   See attached Upper Hayden C&H Allotment's 2014 End of the Year Report.

4. 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: 2/25/2015

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

The attached Upper Hayden 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 Hayden Creek Chinook salmon redd survey was reviewed and finalized by: Daniel A. Garcia - North Zone Districts Fishery Biologist (Salmon/Cobalt Ranger District)

UPPER HAYDEN 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	**Number**	**Head Months**	**Season of Use**	**Numbers**	**Head Months**	**Season of Use**	**Numbers**	**Head Months**	**Season of use**
Shiner Ranches	500 c/c	1512	7/1-9/30	500 c/c	1512	7/1-9/30	500	1496	7/2-9/30

Unit Schedule:

Unit	Numbers	Authorized Season of Use	Head Months	Actual Season of Use	Head Months
Boulder Flat	475 c/c & 25 bulls	9/21-9/30	164	9/15-9/30	263
Payne Ford	475 c/c & 25 bulls	8/22-9/20	493	8/25-9/15	362
Kadletz	REST	REST			
Upper Hayden	75 c/c & 25 bulls	7/21-8/21	105	7/21-8/25	118
Tobias/Mogg	400 c/c	7/21-8/21	421	7/21- 8/25	473
Apple Creek	475 c/c & 25 bulls	7/1-7/20	329	7/2-7/21	329

Compliance with Unit Schedule in AOI: Actual use was for the same as authorized and permitted numbers. Unit moves complied with critical dates for cattle presence with spawning and incubating fish, per the Biological Assessment, USFWS 2010 Upper Hayden C&H Biological Opinion and the NMFS 2010 Upper Hayden C&H Biological Opinion. Allotment moves were conducted be the permittee on or before scheduled move dates.

Allotment Inspections: Allotment inspections were conducted on the following dates: 7/23, 8/27, 8/28, 9/24, 10/2, 10/14 and 10/. Allotment inspections consisted of a qualified SCNF employee working in rangeland management visiting the allotment to monitor implementation of the AOI or term grazing permit, inspect rangeland improvements, to monitor annual use indicators, or to conduct long term monitoring on rangeland health. We received notification of livestock being seen in the Kadletz creek unit, which was supposed to be rested. Range Technician Clayton Marxer conducted a site visit and found no cattle there, however there was some evidence of livestock use along the road and where the trails cross the creek. The use seen was incidental and confined to a limited space. Rangeland Management Specialist talked with Dean Shiner on 10/21 and he mentioned that when they were gathering they found some livestock that had gone through an open gate and gotten into Kadletz creek.

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

Reasonable and Prudent Measure #1 (USFWS): The whole of this report addresses this term. All conservation measures were followed.
Reasonable and Prudent Measure #2 (USFWS): The whole of this report addresses this term.

Reasonable and Prudent Measure #1a and 2a (NMFS): The whole of this report addresses this term, all conservations measures were followed and monitoring was completed.
Reasonable and Prudent Measure #1b and 2b (NMFS): Streambank alteration levels in the Boulder Flat, Kadletz Creek and Payne/Ford Units, met standards outlined in the BO.
Reasonable and Prudent Measure #1c (NMFS): Definitions for a DMA are the same as described in the BA, and each of the three units has at least one DMA. Streambank alteration levels were monitored at the DMA sites in the Boulder Flat, Kadletz and Payne/Ford Units within two weeks of cattle leaving the unit.
Reasonable and Prudent Measure #1d (NMFS): All three units met streambank alteration standards, the adaptive management strategy did not need to implemented.
Reasonable and Prudent Measure #1e and e (NMFS): During the 2014 grazing season, SCNF employees met with the permittee to discuss standards and move triggers identified on the Upper Hayden C&H Allotment.
Reasonable and Prudent Measure #1f and 2f (NMFS): An AOI meeting was scheduled with the Upper Hayden Creek permittee in the spring to discuss the specific actions necessary to protect spawning areas.
Reasonable and Prudent Measure #1g and 2g: The permittee recorded riding a total of 90 days on the allotment, more than twice a week, including when the cattle were in the Kadletz Creek, Boulder Flat and Payne/Ford units.
Reasonable and Prudent Measure #1h and 2h: Riders took all practical measures to keep cattle on established ford crossings during trailing operations between units and off the allotment.
Reasonable and Prudent Measure #1i and 2i: All improvements were properly maintained and functioned as intended.
Reasonable and Prudent Measure #1j and 2j: Turnout dates, move triggers, and annual use indicators were clearly outlined in the 2014 AOI to the permittee.
Reasonable and Prudent Measure #2c, d: The whole of this report addresses this term.
Reasonable and Prudent Measure #3a: Each unit's DMA or key area was monitored during 2014.
Reasonable and Prudent Measure #3b: The whole of this report addresses this term.

MONITORING DATA:

Annual Use Indicator Monitoring: For the 2014 grazing season, monitoring was complete at Designated Monitoring Areas (DMA) using the Multiple Indicator Monitoring (MIM) technical reference (Burton 2013). Upland monitoring was completed using the Landscape Appearance Method or Height-Weight Method (USDI, BLM 1996). Utilization for the 2014 grazing season met standards in all units.. **PLEASE REFER TO THE ATTACHED TABLE AND PHOTOS FOR ANNUAL INDICATOR RESULTS.**

Improvement Monitoring: No inspections were conducted for improvement on this allotment.

Permit Administration: The fish crew discovered a Chinook salmon redd trampling on 9/22. The location of the trampled redd is upstream from a ford crossing on Hayden Creek at N: 44.75833 and W: 113.71367. This happened during the permittees exiting some livestock off the allotment. The Allotment has permitted use through 9/30. All the livestock were supposed to be off the Allotment on 9/30. At the time there was no need for immediate adaptive management action since there were no more large numbers of livestock supervised trailed through the ford crossing below the trampled Chinook salmon redd. A discussion with the permittees regarding the crossing and how to best mitigate this happening resulted in two possible solutions. 1.) Contact Range Specialist prior to crossing and have someone stand at redd location to ensure the redd near the ford crossing is not trampled. 2.) Harden the ford crossing.

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

Recommendations for Future Management:

1. The permittee should continue to notify the SCNF if they are trailing cattle after August 15th, across streams with known bull trout redds. This allows the SCNF to be present when livestock are crossing the creek.

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>

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

Prepared by:

Ingrid Drieling

Ingrid Drieling
Range Management Specialist

2014 UPPER HAYDEN C&H ALLOTMENT MONITORING DATA

Actual Grazing Schedule				Allowable Standards					Actual Results				
Unit Name	**On Date**	**Off Date**	**Date Read**	**Riparian**				**Upland**	**Riparian**				**Upland**
Boulder Flat Unit –Hayden Creek (M226)			10/14	Greenline Stubble	Carex Spp.	6 in.		50%	Greenline Stubble	Carex Spp.	13.7 in.		8%
				Bank Alteration	N/A	<20%			Bank Alteration	N/A	1%		
Boulder Flat – Tobias Creek (M260)			10/14	Greenline Stubble	Carex Spp.	4 in.		50%	Greenline Stubble	Carex Spp.	10.6 in.		
				Bank Alteration	N/A	<20%			Bank Alteration	N/A	9%		
Apple Creek Unit – Apple Creek (M262)			7/23, 10/2	Greenline Stubble	Hydric Spp.	5 in.		50%	Greenline Stubble	Hydyic Spp.	4.2 in.		7.12%
				Bank Alteration	N/A	<20%			Bank Alteration	N/A	15%		
Tobias/Mogg-East Fork Hayden Creek (M261)			8/28	Greenline Stubble	Carex Spp.	4 in.		50%	Greenline Stubble	Carex Spp.	7 in.		8%
				Bank Alteration	N/A	<20%			Bank Alteration	N/A	13%		
				Browse Use	Alder Willow	30% 50%			Browse Use	Alder Willow	23.4%		
Tobias/Mogg – Squaw Creek (M307)			8/28	Greenline Stubble	Hydric Spp.	4 in.		50%	Greenline Stubble	Hydric Spp.	9.3 in.		
				Bank Alteration	N/A	<20%			Bank Alteration	N/A	10%		
Payne/Ford Unit – Ford Creek (M259)			9/24	Greenline Stubble	Hydric Spp.	4 in.		50%	Greenline Stubble	Hydric Spp.	9.4 in.		11.30%
				Bank Alteration	N/A	<15%			Bank Alteration	N/A	15%		
				Browse Use	Alder Willow	30% 50%			Browse Use	Alder Willow	18.9%		

Kadletz Unit – Kadletz Creek (M258)	RESTED			Greenline Stubble	Carex Spp.	4 or 6 in.		50%	Greenline Stubble	Carex Spp.	Rested		
				Bank Alteration	N/A	<20%			Bank Alteration	N/A	Rested		
Upper Hayden			8/27	Utilization	Hydric spp.	50%		50%	Utilizaiton	Hydric spp.	5.80%		5%

√ 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: 2010/00852

Stream Name: Hayden Creek **Survey Date:** 9/22/14

Allotment Name: Upper Hayden **Unit Name:** Boulder Flat

Start Time: 9:12 **Stop Time:** 10:03 **Number of Pictures Taken:** yes

Stream Segment Length on GPS: 930m

Estimated Stream Segment Length measured with GIS:

Site Directions: Hwy 28 S. towards Leadore. Take a (R) up Hayden Cr. Rd. (008). Drive past Boulder Flat, to bridge crossing Hayden Creek. Site begins here + moves downstream.

Survey Crew: Craig Hemping, Bill Slavin, Heidi Messner

(top) **H_2O Temp:** 47°F **Air Temp:** 50°F **Elevation:** 6161 ft
(bottom) **H_2O Temp:** 47.4°F **Air Temp:** 50°F **Elevation:** 5944 ft

Starting Location GPS (UTM): **Zone** 12T **Easting** 0285291 **Northing** 4958947
Degree Decimal: **N:** 44.75169° **W:** 113.71250°

Stopping Location GPS (UTM): **Zone** 12T **Easting** 0285311 **Northing** 4959872
Degree Decimal: **N:** 44.76002° **W:** 113.71264°

Number of Live Adult Chinook salmon Observed: Ø

Number of Adult Chinook salmon carcasses Observed: 1

Number of Chinook salmon Redds Observed: 2

Number of Chinook salmon Redds Observed that Livestock Trampled: 1 ? see comments.

Comments: R1 - marked by IDF+G 9/3/14 - possible redd w/ potential trampling (cattle) - see photo of flagging. May need to contact IDFG to confirm trampling

- cattle in area

Chinook salmon Redd Survey Salmon-Challis National Forest (North Zone) last edited 8/11/2014

R1 **Completed Redd: Degree Decimal: N:** 44.75833° **W:** 113.71367 (possible trampling)

R2 **Completed Redd: Degree Decimal: N:** 44.75783° **W:** 113.71409

Completed Redd: Degree Decimal: N:________ **W:**________

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