

**Hawley Creek Cattle & Horse Allotment's
2012 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?

Reservoir Creek and Big Bear Creek. See attached bull trout redd surveys.

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

The first survey date was 9/6/2012 on Reservoir Creek and the water conditions were normal and clear. The second survey date was 9/11/2012 on Big Bear Creek and the water conditions were normal and clear. The third survey date was 9/13/2012 on Big Bear Creek and the water conditions were normal and clear. See attached bull trout redd surveys.

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

Reservoir Creek 9/6/2012 - There were six adult bull trout observed but no bull trout redds observed and therefore no bull trout redds were impacted. The GPS UTM starting location was Zone 12T, Easting 0329311, Northing 4950319. The GPS UTM stopping location was Zone 12T, Easting 0328963, Northing 4949474.

Big Bear Creek 9/11/2012 - There were six adult bull trout observed but no bull trout redds observed and therefore no bull trout redds were impacted. The GPS UTM starting location was Zone 12T, Easting 0329467, Northing 4948716. The GPS UTM stopping location was Zone 12T, Easting 0328947, Northing 4949334.

Big Bear Creek 9/13/2012 - There was one adult bull trout observed but no bull trout redds observed and therefore no bull trout redds were impacted. The GPS UTM starting location was Zone 12T, Easting 0334168, Northing 4945789. The GPS UTM stopping location was Zone 12T, Easting 0333533, Northing 4946571.

See attached bull trout redd surveys.

4. What was the date that livestock removed from the pasture with surveyed stream segment?
The permittee has not given the Forest an Actual Use Report. According to the AOI the On/Off dates and livestock numbers for the Upper Ranch Unit are 865 cow/calf pairs between 7/1 and 8/20. According to the AOI the On/Off dates and livestock numbers for the Little Bear Unit are 865 cow/calf pairs between 8/21 and 9/4. According to the AOI the On/Off dates and livestock numbers for the Big Bear Unit are 865 cow/calf pairs between 9/5 and 9/15. See attached Hawley Creek C&H Allotment's 2012 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?
There were no changes to the grazing management as analyzed in the 2010 Biological Assessment. See attached Hawley Creek C&H Allotment's 2012 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: _____

2/28/2013

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 2012 End of the Year Report was prepared by:

Sara Norman – Rangeland Management Specialist (Leadore Ranger District)

(208) 768-2505 or scnorman@fs.fed.us

Results of the Range Allotment's implementation and effectiveness monitoring will be available at the following website: <http://www.fs.fed.us/r4/sc/projects/range/index.html>.

The attached Reservoir Creek and Big Bear Creek bull trout redd surveys were reviewed and finalized by: Daniel A. Garcia - North Zone Districts Fishery Biologist (Salmon/Cobalt Ranger District)

HAWLEY CREEK C&H ALLOTMENT

2012 END OF YEAR REPORT

Leadore Ranger District

North Zone Salmon-Challis National Forest

MANAGEMENT

AUTHORIZED USE

Permittee	Authorized Use			Term Grazing Permit			Actual Use		
	Numbers	H.M.	Season of Use	Numbers	H.M.	Season of Use	Numbers	H.M.	Season of Use
Leadore Land Partners	316 c/c	959	6/16-9/15	316 c/c	959	7/1-9/30	*	*	*
McFarland Livestock	302 c/c	916	6/16-9/15	302 c/c	916	7/1-9/30	*	*	*
Shiner Ranches Inc.	247 c/c	747	6/16-9/15	247 c/c	747	7/1-9/30	*	*	*

*Actual use reflected in the monitoring data.

Unit Schedule in the AOI:

Unit	Livestock Numbers	AOI Season of Use
Little Bear/Stove Unit	316 c/c (L.L.P.)	6/16-7/15
Lower Ranch Unit	549 c/c	6/16-6/30
Upper Ranch Unit	316 c/c (L.L.P.) 549 c/c	7/16-8/20 7/1-8/20
Little Bear Unit	865c/c	8/21-9/4
Big Bear Unit	865 c/c	9/5-9/15
Little Bear Riparian		Incidental Use Before 8/15

Compliance with Unit Schedule in AOI: Actual use for numbers and move dates has not yet been submitted for the 2012 grazing season.

The allotment has two full time riders that provided this input on the grazing season. *“The 2012 grazing season began mid June with an average amount of rainfall and forage. Rainfall subsided in late June creating drier than normal range conditions. Forage was plentiful but dried out earlier than usual. Creek and spring water levels remained average. Riders Steve Marriott and Mary Ann Bonjorni salted high to avoid grazing in lower riparian zones. There remains a lot of larkspur in Little Bear.”*

Allotment inspections: Allotment inspections were conducted on the following dates: 6/11, 7/11, 8/2, 8/27, 9/6, and 9/25. An allotment inspection consists of a qualified employee working in range management visiting the allotment to monitor implementation of the AOI and/or the annual use indicators.

Compliance with special Terms and Conditions regarding livestock locations and management practices: The whole of this report addresses this term. The seven conservation measures were followed, with one exception (conservation measure #3):

1. A deferred rotation grazing system was used.
2. Additional information on turn-out date may be provided by permittee with submittal of actual use information.
3. Annual use indicators were monitored by Forest Service personnel following the grazing season; however, standards were not met in all units indicating that livestock movement dates did not correspond with annual use indicators.
4. Permittees salted at least $\frac{1}{4}$ of a mile away from streams.
5. Permittees distributed livestock away from streams and had full time riders present on the allotment.
6. Fences and water developments are in place to reduce livestock use on streams and associated riparian areas.
7. Little Bear Riparian Unit has a fence around Little Bear Creek.

USFWS Biological Opinion Reasonable Prudent Measures (Terms and Conditions):

RPM #1: The whole of this report addresses this term.

NOAA Biological Opinion Reasonable Prudent Measures (Terms and Conditions): In addition, other conservation recommendations, listed in the BO, were followed during the 2012 grazing season including: measuring woody browse following the 2012 grazing season at the Little Bear/Stove Creek Unit (M302).

MONITORING DATA

For the 2012 grazing season monitoring was completed at the Designated Monitoring Areas (DMAs) using the Multiple Indicator Monitoring (MIM) technical reference (Burton, 2012). Upland monitoring was completed using the Landscape Appearance Method or Utilization Wheel.

Utilization for the 2012 grazing season met the use standards and annual indicators outlined in the AOI, BA, and BO in the Lower Ranch Unit, and the Upper Ranch Unit. Utilization did not meet the use standards and annual indicators outlined in the AOI, BA, and BO in the Little Bear-Stove Creek Unit, Little Bear Unit, Big Bear Unit and Fish Pasture Unit. The bank alteration at the Reservoir Creek DMA (M302) within the Little Bear-Stove Creek Unit 32% compared to a standard of 20%. The measured average stubble height for *Carex spp.* at the Little Bear Creek DMA (M298) within the Little Bear Unit was 4 inches compared to a standard of 5 inches. The measured average stubble height for *Carex spp.* at the

Meadow Creek DMA (M280) within the Big Bear Unit was 4 inches compared to a standard of 5 inches. The measured average stubble height for *Carex spp.* at the Big Bear Creek DMA (M304) within the Fish Pasture Unit was 5 inches compared to a standard of 6 inches. Upland utilization was not measured in the Little Bear Riparian Unit during the 2012 growing season.

PLEASE REFER TO THE ATTACHED TABLE FOR MONITORING AND UTILIZATION RESULTS.

Growing Season Conditions: Precipitation for the District was below normal for 2012. The precipitation information for the District is included in the table below. While this information is collected at the Leadore Ranger Station and is not specific to an allotment area, it gives an idea of the available moisture on the District. The total precipitation for 2012 was 6.05 inches, which is below the average precipitation of 9.34 inches for Leadore.

Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Precip. (inches) in 2012	0.22	1.14	1.03	0.46	0.9	0.41	0.45	0.37	0.3	0.25	0.11	0.41	6.05
Average Precip. (in.) from 1981-2010 (NCDC 2012)	0.32	0.31	0.53	0.87	1.55	1.62	0.90	0.90	0.79	0.68	0.36	0.51	9.34

Permit Administration: No instances of livestock found in the wrong units were identified. A notice of non-compliance will be issued for the 2012 grazing season because of exceeding standards in a number of units. A meeting between the permittee and Range Specialist will be set up to discuss further management recommendations to ensure that standards are met in the future.

Other Improvement Maintenance: Additional information may be provided by permittee with the submittal of Maintenance Record.

Recommendations for Future Management:

1. Communication with the Range Specialist is an important part of grazing management. Be sure to contact the Range Specialist should you have concerns/or problems.
2. Continue to move cattle away from riparian areas to reduce stream bank alteration.

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. 155 pp.

National Climatic Data Center. 2012. Summary of Monthly Normals 1981-2010 (Station: Leadore Number 2, ID US). National Oceanic and Atmospheric Administration, Asheville, North Carolina.
<http://www.ncdc.noaa.gov/analysis/monthly-us-climate-reports>.

Prepared by:



Sara Norman
Rangeland Management Specialist

HAWLEY CREEK C&H ALLOTMENT MONITORING DATA

Actual Grazing Schedule			Allowable Standards				Actual Results			
Unit Name	On/Off Date	Monitoring Date	Riparian			Upland	Riparian			Upland
Little Bear-Stove Creek Unit/Reservoir Creek (M302)	6/16-7/15	8/2	Greenline Stubble	Carex spp.	6 in.	50%	Greenline Stubble	Carex spp.	6 in.	1%
			Bank Alteration	N/A	20%		Bank Alteration	N/A	32% ¹	
			Woody Browse	N/A ³	N/A ³		Woody Browse	Salix spp.	10%	
Lower Ranch Unit/Reservoir Creek (M303)	6/16-6/30	7/11	Greenline Stubble	Carex spp.	6 in.	50%	Greenline Stubble	Carex spp.	8 in.	1%
			Bank Alteration	N/A	10%		Bank Alteration	N/A	6%	
Upper Ranch Unit	7/1-8/20	7/11	Utilization	Hydric spp.	50%	50%	Utilization	50%	6 in.	6%
Little Bear Unit/Little Bear Creek (M298)	8/21-9/4	9/6	Greenline Stubble	Carex spp.	5 in.	50%	Greenline Stubble	Carex spp.	4 in. ¹	<1%
			Bank Alteration	N/A	20%		Bank Alteration	N/A	14%	
Big Bear Unit/ Big Bear Creek (M276)	9/5-9/15	9/25	Greenline Stubble	Carex spp.	5 in.	50%	Greenline Stubble	Carex spp.	4 in. ¹	4%
			Bank Alteration	N/A	10%		Bank Alteration	N/A	7%	
Big Bear Unit/Meadow Creek (M280)	9/5-9/15	9/25	Greenline Stubble	Carex spp.	5 in.	50%	Greenline Stubble	Carex spp.	4 in. ¹	“ “
			Bank Alteration	N/A	15%		Bank Alteration	N/A	11%	
Little Bear Riparian Unit	Incidental use before 8/15	N/A	Utilization	Hydric spp.	50%	50%	Utilization	Hydric spp.	No data ²	No data ²
Fish Pasture Unit/Big	Incidental	9/25	Greenline	Carex	6 in.	50%	Greenline	Carex	5 in. ¹	**

Bear Creek (M304)	use before 8/15		Stubble	spp.				Stubble	spp.			
			Bank Alteration	N/A	15%			Bank Alteration	N/A	5%		

¹Did not meet standards listed in Biological Opinion during the 2012 grazing season.

²End of season monitoring was not conducted in the Little Bear Riparian Unit during the 2012 grazing season.

³Standards not established in BO; however, NMFS BA recommends monitoring woody browse in the Little Bear/Stove Creek DMA (M302).
Woody browse was measured at this site following the 2012 grazing season.

	PHOTO RECORD	Page 1 of 5
INTERMOUNTAIN REGION	SALMON-CHALLIS NATIONAL FOREST	Leadore RD
Date: 2012	Photographer: C. Brown	Allotment: Hawley Creek C&H
Location: Lower Ranch and Upper Ranch Units		
Subject: EOY		



	PHOTO RECORD	Page 2 of 5
INTERMOUNTAIN REGION	SALMON-CHALLIS NATIONAL FOREST	Leadore RD
Date: 2012	Photographer: C. Brown	Allotment: Hawley Creek C&H
Location: Lower Ranch and Upper Ranch Units		
Subject: EOY		



	PHOTO RECORD	Page 3 of 5
INTERMOUNTAIN REGION	SALMON-CHALLIS NATIONAL FOREST	Leadore RD
Date: 2012	Photographer: C. Brown	Allotment: Hawley Creek C&H
Location: Lower Ranch and Upper Ranch Units		
Subject: EOY		



	PHOTO RECORD	Page 4 of 5
INTERMOUNTAIN REGION	SALMON-CHALLIS NATIONAL FOREST	Leadore RD
Date: 2012	Photographer: C. Brown	Allotment: Hawley Creek C&H
Location: Lower Ranch and Upper Ranch Units		
Subject: EOY		

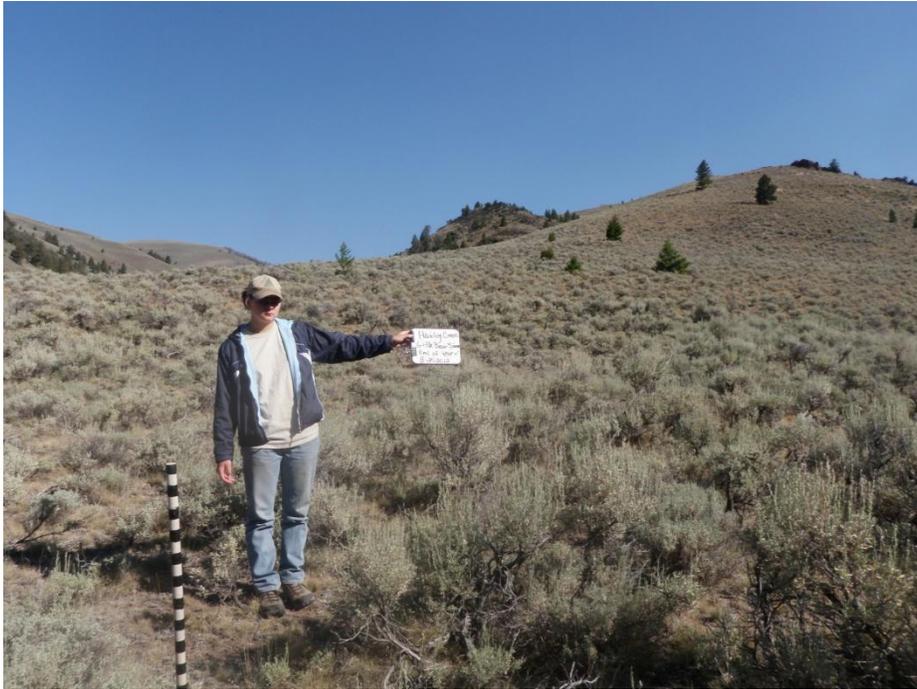
Upper Ranch Unit EOY-Upland and Riparian



	PHOTO RECORD	Page 5 of 5
INTERMOUNTAIN REGION	SALMON-CHALLIS NATIONAL FOREST	Leadore RD
Date: 2012	Photographer: C. Brown	Allotment: Hawley Creek C&H
Location: Lower Ranch and Upper Ranch Units		
Subject: EOY		



	PHOTO RECORD	Page 1 of 1
INTERMOUNTAIN REGION	SALMON-CHALLIS NATIONAL FOREST	Leadore RD
Date: August 2, 2012	Photographer: S. Norman	Allotment: Hawley Creek C&H
Location: Little Bear-Stove Creek		
Subject: End of Season		



Suvey conducted by K. Nelson. Calculated use, using a utilization gauge, was approximately 1%.



	PHOTO RECORD	Page 1 of 1
INTERMOUNTAIN REGION	SALMON-CHALLIS NATIONAL FOREST	Leadore RD
Date: September 5, 2012	Photographer: S. Norman	Allotment: Hawley Creek C&H
Location: Little Bear		
Subject: End of Season		



Survey conducted just north of Reservoir Creek campground and near the junction of the 177 road and the 275 road. Very little utilization of forage species at this location. Calculate use of Idaho fescue, using a utilization gauge, was less than 1%. There were no grazed plants along the transect.



Date: 05 Sept 2012
 Location: Hawley Creek C&H
 Photo Plot: Little Bear
 1015
 Direction: E01

	PHOTO RECORD	Page 1 of 2
INTERMOUNTAIN REGION	SALMON-CHALLIS NATIONAL FOREST	Leadore RD
Date: September 6, 2012	Photographer: S. Norman	Allotment: Hawley Creek C&H
Location: Little Bear		
Subject: LUM MIM		



Upstream (could not find marker at the site). Analysis from the MIM calculated average stubble height of hydric species to be 4 inches and bank alteration as 14%. Stubble height did not meet standards.



	PHOTO RECORD	Page 2 of 2
INTERMOUNTAIN REGION	SALMON-CHALLIS NATIONAL FOREST	Leadore RD
Date: September 6, 2012	Photographer: S. Norman	Allotment: Hawley Creek C&H
Location: Little Bear		
Subject: LUM MIM		



	PHOTO RECORD	Page 1 of 1
INTERMOUNTAIN REGION	SALMON-CHALLIS NATIONAL FOREST	Leadore RD
Date: September 25, 2012	Photographer: J. Playfair	Allotment: Hawley Creek C&H
Location: Big Bear		
Subject: End of Season		



Survey conducted Meadow Creek DMA site, along the 4018 trail. Calculated use on Idaho fescue, using a utilization gauge, was approximately 4%.



	PHOTO RECORD	Page 1 of 3
INTERMOUNTAIN REGION	SALMON-CHALLIS NATIONAL FOREST	Leadore RD
Date: September 25, 2012	Photographer: J. Playfair	Allotment: Hawley Creek C&H
Location: Big Bear		
Subject: Livestock Use Module MIM		



Upstream marker. Analysis from MIM calculated average stubble height as 4 inches (did not meet standards), bank alteration as 7%, and woody species utilization as 13%.



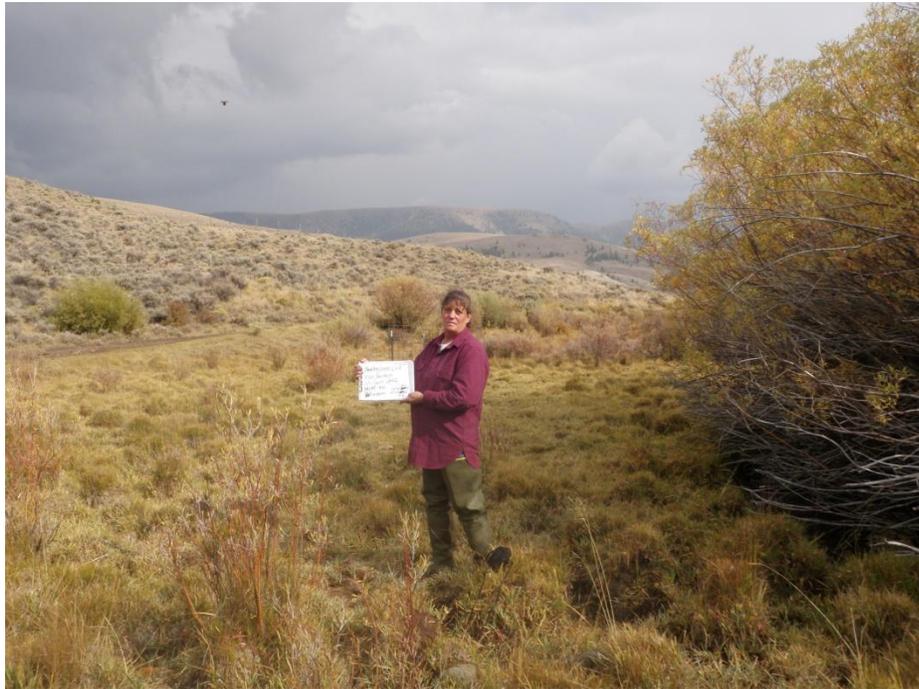
	PHOTO RECORD	Page 2 of 3
INTERMOUNTAIN REGION	SALMON-CHALLIS NATIONAL FOREST	Leadore RD
Date: September 25, 2012	Photographer: J. Playfair	Allotment: Hawley Creek C&H
Location: Big Bear		
Subject: Livestock Use Module MIM		



	PHOTO RECORD	Page 3 of 3
INTERMOUNTAIN REGION	SALMON-CHALLIS NATIONAL FOREST	Leadore RD
Date: September 25, 2012	Photographer: J. Playfair	Allotment: Hawley Creek C&H
Location: Big Bear		
Subject: Livestock Use Module MIM		



	PHOTO RECORD	Page 1 of 1
INTERMOUNTAIN REGION	SALMON-CHALLIS NATIONAL FOREST	Leadore RD
Date: September 25, 2012	Photographer: S. Norman	Allotment: Hawley Creek C&H
Location: Fish Pasture		
Subject: Livestock Use Module MIM		



Analysis from MIM calculated average stubble height as 5 inches (did not meet standard), and streambank alteration as 5%.

Biological Opinion Name: Livestock Grazing on the Hawley Creek Grazing Allotment

Biological Opinion Number: 14420-2010-F-0347

Stream Name: Reservoir Creek Date: 6 Sep 2012

Allotment Name: Hawley Creek Unit Name: Lower Ranch

Start Time: 0945 Stop Time: 1045 Number of Pictures Taken: 2

Stream Segment Length on GPS: 934 m

Estimated Stream Segment Length measured with GIS: 947 meters

Site Directions: Hwy 28 S to Leadore, left @
right toward Hawley Cr, stay left
toward Reservoir Cr. Site begins (top) ≈ 400 m
downstream from gate/culvert.

Survey Crew: D. Downing, E. Fredrick, B. Leyva

(top) H₂O Temp: 46°F Air Temp: 57°F Elevation: 7033 ft

(bottom) H₂O Temp: 45°F Air Temp: 60°F Elevation: 6900

Starting Location GPS (UTM): Zone 12T Easting: 0329311 Northing: 4950319

Degree Decimal: N: 44.68593° W: 113.15395°

Stopping Location GPS (UTM): Zone 12T Easting: 0328963 Northing: 4949474

Degree Decimal: N: 44.67825° W: 113.15805°

Number of Live Adult bull trout Observed: 6

Number of bull trout Redds Observed: 0

Number of bull trout Redds Observed that Livestock Trampled: 0

Comments: 6 Bull Trout observed, heavy
cattle sign, no cattle sighted, no redds
sighted, 7 unknown/unidentifiable

water conditions were normal and clear

Biological Opinion Name: Livestock Grazing on the Hawley Creek Grazing Allotment

Biological Opinion Number: 14420-2010-F-0347

Stream Name: Big Bear Creek

Date: 9/11/12

Allotment Name: Hawley Creek

Unit Name: Little Bear

Start Time: 1400

Stop Time: 1500

Number of Pictures Taken: 6

Stream Segment Length on GPS: 809m

Estimated Stream Segment Length measured with GIS: 1012 meters

Site Directions: Hwy 28 to Leadore, Left @ Leadore, right on Hawley Cr Rd, Stay right toward big bear creek Park @ cattle guard - site ends @ confluence of Res / Big Bear

Survey Crew: O Downing, B. Leyva

(top) H₂O Temp: 47°F Air Temp: 63°F Elevation: 6970

(bottom) H₂O Temp: 47°F Air Temp: 71°F Elevation: 6926

Starting Location GPS (UTM): Zone 12T Easting 0329467 Northing 4948716

Degree Decimal: N: 44.67154° W: 113.15144°

Stopping Location GPS (UTM): Zone 12T Easting 0328947 Northing 4949334

Degree Decimal: N: 44.67698° W: 113.15820°

Number of Live Adult bull trout Observed: 6

Number of bull trout Redds Observed: 0

Number of bull trout Redds Observed that Livestock Trampled: 0

Comments: 6 unknown (CUT or RBT). 1 possible BT pair. Good habitat, no cattle sighted, little cattle sign in bottom = 500m.

water conditions were normal and clear

Biological Opinion Name: Livestock Grazing on the Hawley Creek Grazing Allotment

Biological Opinion Number: 1442 - 2010 - F - 0347

Stream Name: Big Bear Creek Date: 2012-9-13

Allotment Name: Hawley Creek Unit Name: Big Bear

Start Time: 1400 Stop Time: 1440 Number of Pictures Taken: Many

Stream Segment Length on GPS: 1000m

Estimated Stream Segment Length measured with GIS: 1248 meters

Site Directions: Hwy 28 to Leadore, Leadore to Hawley Cr (275), continue up big bear (177) stay on 177 to Weetp Rd Sign (bottom)

Survey Crew: B. Slavin, D. Downing, E. Frederick, B. Leyva

(top) H₂O Temp: 43°F Air Temp: 68°F Elevation: 7619 ft

(bottom) H₂O Temp: 45° Air Temp: 68° Elevation: ~~7654~~

Starting Location GPS (UTM): Zone 12T Easting 0334168 Northing 4945789

Degree Decimal: N: 44.64632° W: 113.09123°

Stopping Location GPS (UTM): Zone 12T Easting 0338533 Northing 4946571

Degree Decimal: N: 44.65321° W: 113.09948°

Number of Live Adult bull trout Observed: (1) one

Number of bull trout Redds Observed: 0

Number of bull trout Redds Observed that Livestock Trampled: 0

Comments: cattle in unit (observed 6)

≈30 CTT observed

lots of willows, hard for cattle to access (maybe 20% accessible)

water conditions were normal and clear