

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATIONPermit No: 74-15027

Exam Date: 07/24/12

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)?
- X
- Y
-
- N

- a. Irrigation of 5 acres or less
 b. Storage of up to 14.6 AF for stockwater purposes only
 c. Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 d. Other < >

2. Current Owner: Name: Bureau of Land Management

Owner of Record Correct? X Y NAddress of Record Correct? X Y N

If No: Address

3. Beneficial Use Fees have been paid:
- X
- Y
-
- N Receipt No: E029885

4. **SOURCE****TRIBUTARY**

Spring

Bull Creek

Method of Determination: Photos of spring provided by permit holder. Spring visible on GIS imagery. See Memo dated 06/12/14 from Dan Nelson

Change in Source: Y X N**B. OVERLAP REVIEW**

1. Other water rights with the same place of use:
- X
- NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments:

2. Other water rights with the same point of diversion:
-
- NO Overlap

Water Right No.	Source	Purpose of Use	Basis
74-1442	Spring	Stockwater	Decreed
74-7198	Spring	Stockwater	Decreed

Comments: 74-11581 is 107 reserve right for pond (Bull Summit Waterhole). See Memo dated 06/12/14 from Dan Nelson – 74-1442 is for use directly from spring, 74-7198 are for troughs on same pipeline.

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Spring		NW	NW	NW	17	18N	23E	B.M.	Lemhi

Method of Determination: Photos of spring provided by permit holder. Spring visible on GIS imagery. See Memo dated 06/12/14 from Dan Nelson.

Change in POD? Y X N Amendment Required? Y X N

2. **PLACE OF USE:** Use: Stockwater

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
18N	23E	21					X												
		Lot #																	
18N	23E	28			X														
		Lot #																	
Total Acres =																			

Method of Determination: Photos from permit holder. See Memo dated 06/12/14 from Dan Nelson

Change in POU? X Y N Amendment Required? X Y N Delivery System Diagram Attached (required). Indicate all major components and distances between components.

Indicate weir size/pipe as applicable.

 Aerial Photo Attached (required for irrigation of 10+ acres). Photo of Diversion and System Attached

4. Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: < > **E. FLOW CALCULATIONS** Additional Computation Sheets Attached

Measured Method:

0.02 cfs below recommendation of Application Processing Memo #3 for 650 head.

Permit allowed = 0.02 cfs

License recommend for 0.02 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

 $V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\hspace{2cm}}$ $V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \underline{\hspace{2cm}}$ $V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{\hspace{2cm}}$

I.R.

D.R.

2. Volume Calculations for Other Uses:

Per Application Processing Memo #3, sec. 3 650 X 0.0134 = 8.7 afa

Per Application Processing Memo #3, 601-700 range cattle = 9.4 afa

License recommend for 8.7 afa.

G. PURPOSE OF USE

Irrigation _____N # Stock_650 cattle_____ Domestic # of Homes _____

Other: Wildlife

Change in Purpose of Use? ____Y__X__N

Method of Determination: Photos provided by permit holder.

If Yes: From Use _____To Use _____Amount _____CFS _____AFA_____

H. NARRATIVE/REMARKS/COMMENTS

This right is an extension to an existing system. 74-1442 for directly from spring. 74-7198 for 6 more troughs. 74-15027 for troughs 7 & 8.

Headgate: 3.5 Cons. Use: 2.5

Water District 74

Wild and Scenic Watershed – Salmon R. excluding Mid. F.

Fish Screen condition – Diagram supplied by BLM indicating 3/8 in screen.

Automatic Shutoff Condition - Info. provided by permittee. See Memo from Dan Nelson dated 06/12/14.

Combined limits addressed by Condition: "This right, when considered with all other rights common to the same grazing allotment, is limited to the quantity of water beneficially used by the number of stock within the allotment."

Have conditions of permit approval been met? __X__Yes ____No

I. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Stockwater	01/01 to 12/31	0.02 CFS	8.7 AF
Wildlife	01/01 to 12/31	0.02 CFS	8.7 AF
<u>Totals:</u>		0.02 CFS	8.7 AF

2. Recommended Amendments

____Change P.D. as reflected above ____Add P.D. as reflected above __X__None

__X__Change P.U. as reflected above ____Add P.U. as reflected above ____None

Other:

J. AUTHENTICATION

Field Examiner's Name Danille Linn Date 06/16/14Reviewer Daniel A. Nelson Date 6-25-14

Basin	Sequence	Suffix	Version Number	Process	Basis	Status	Draft	RightID	Priority Date	Diversion Rate	Source List	Water Use List	Current Owner
74	1442			Water Right	Decreed	Active	N	424426	4/18/1959	0.03	SPRING	STOCKWATER	UNITED STATES OF AMERICA ACTING THROUGH
74	7198			Water Right	Decreed	Active	N	559393	8/10/1983	0.04	SPRING	STOCKWATER, WILDLIFE	US DEPT OF INTERIOR
74	11581			Water Right	Decreed	Active	N	407978	4/17/1926	0.02	BULL SUMMIT WATERHOLE	STOCKWATER	UNITED STATES OF AMERICA ACTING THROUGH
74	15027			Water Permit		Active	N	560289	4/4/2002	0.02	SPRING	STOCKWATER, WILDLIFE	US DEPT OF INTERIOR

Other Owner	Leased to Water	Application	Approval	Total Ac	Acre Limit	Volume	Water District
No							
No						6.4	
No							
No			6/11/2002				

[illegible]

SWSW

SESW

18N23E21

Bull Summit Pipeline Spur
Trough 1?

74-15027



037.5 150 225 300

D. Favreau 07/23/12

NWNW

18N23E28

NENW

NWNE

SWNW

SESW

SWNE

NESW

NWSE

Bull Summit Pipeline Spur
Trough 2?

74-15027



037.55 150 225 300 Feet

D. Favreau 07/23/12

SESW

SWSE

18N23E28

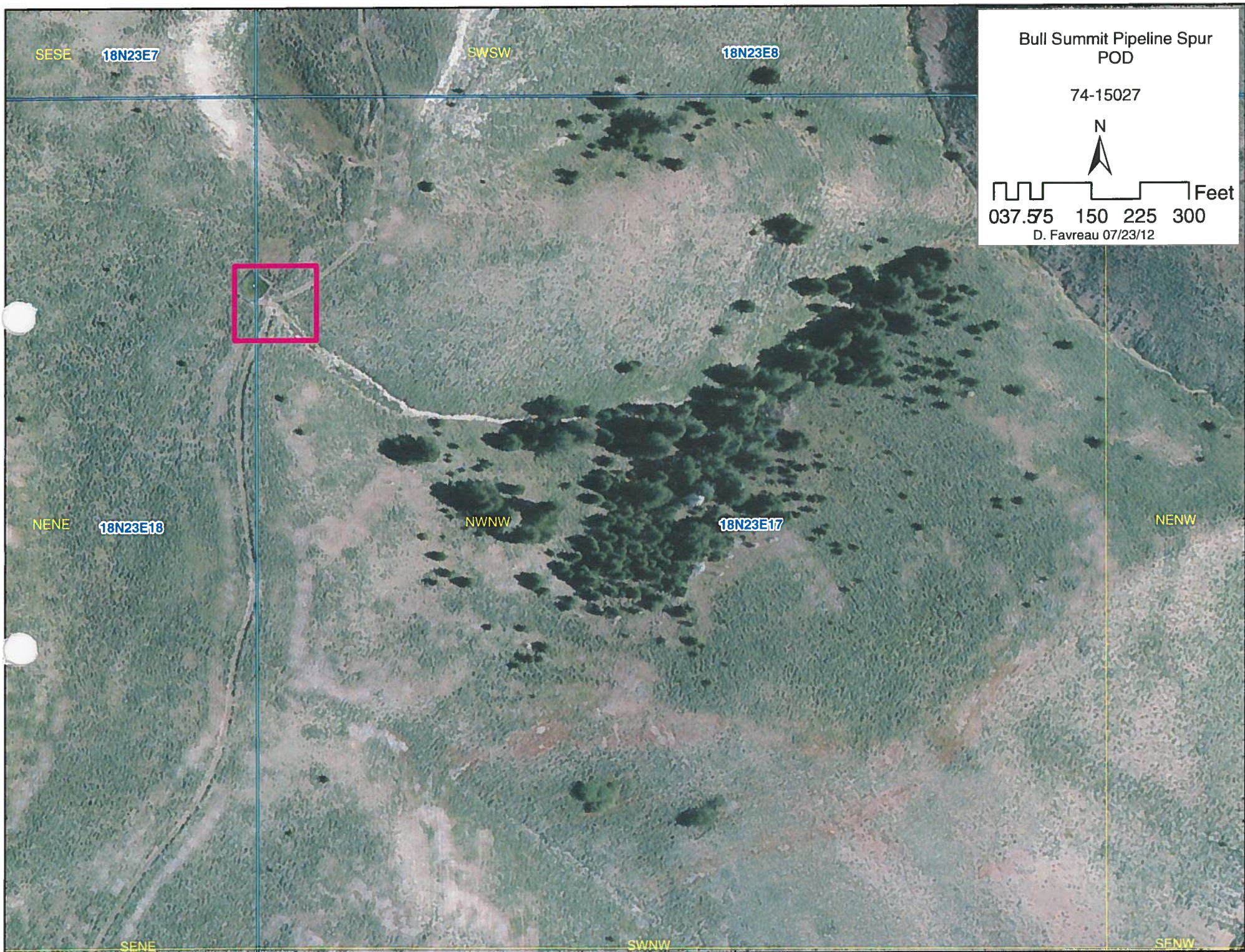
SESE

NENW

NWNE

18N23E33

NENE



SESE 18N23E7

SWSW

18N23E8

Bull Summit Pipeline Spur
POD

74-15027

N

037.575 150 225 300 Feet

D. Favreau 07/23/12

NENE 18N23E18

NWNW

18N23E17

NENW

SENE

SWNW

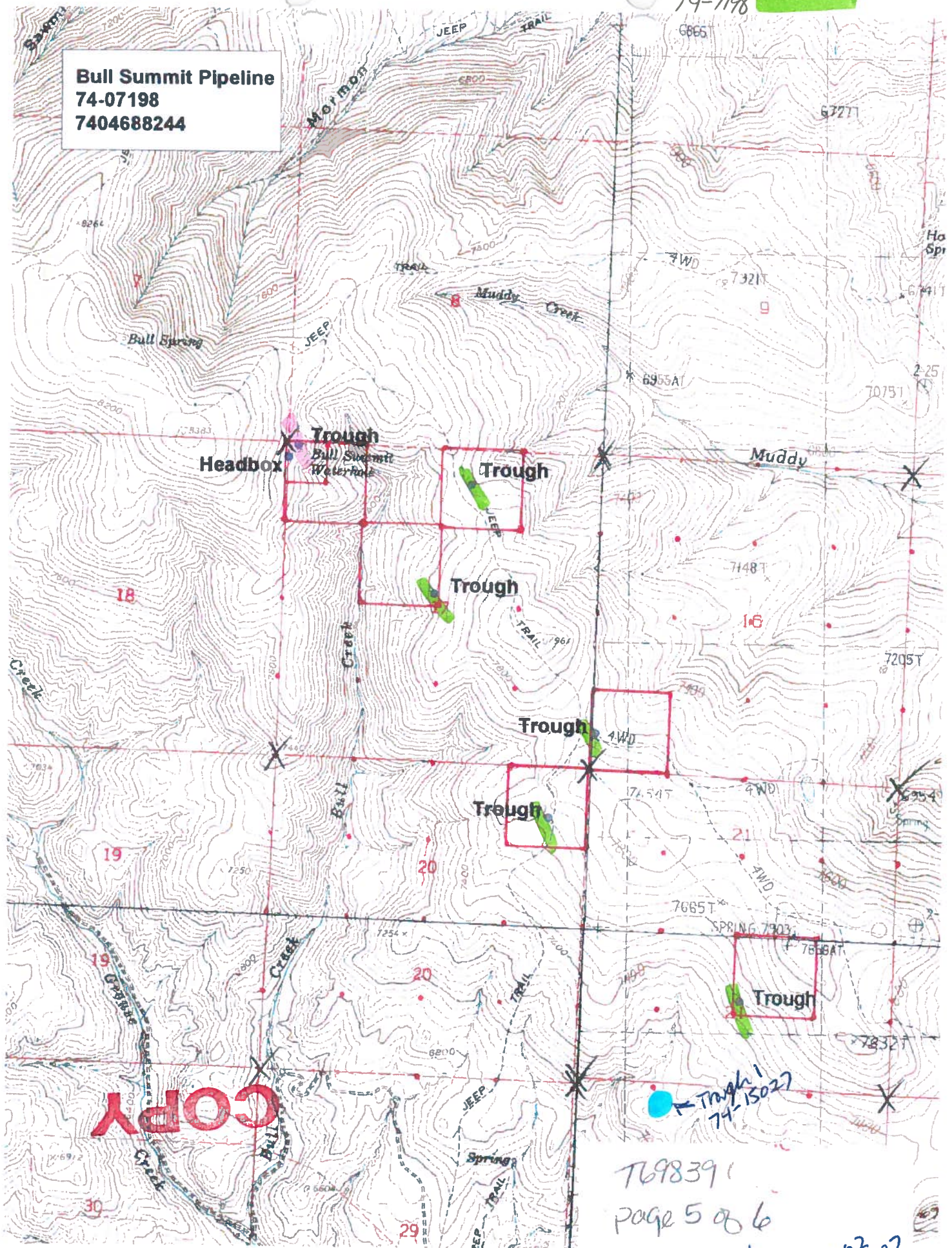
SENW

74-11581
for 107
pg. 5 of 5

74-1442 + w/klife only
74-7198

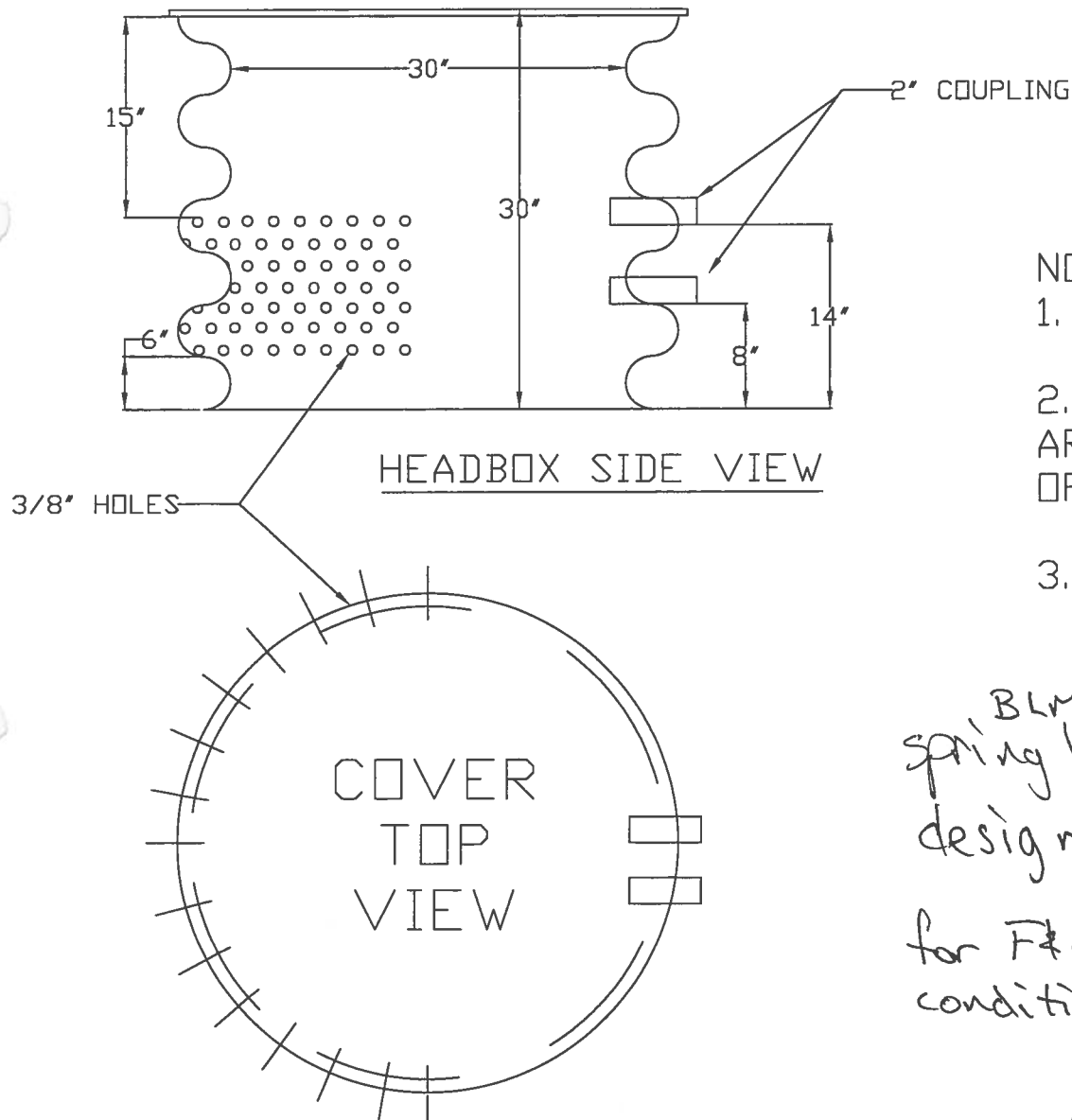
74-7198

Bull Summit Pipeline
74-07198
7404688244



SPRING HEADBOX & COVER DIAGRAM

RECEIVED
FEB 19 2014
DEPARTMENT OF
WATER RESOURCES



NOTE:

1. 12 GAUGE ALUMINUM

2. HOLES EXTEND HALFWAY
AROUND CYLINDER CENTERED
OPPOSITE GALV COUPLINGS

3. 1" LIP DOWN ON COVER

BLM
spring box
design
for F&G
condition

Fred

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT LOWER SNAKE RIVER DISTRICT	
SPRING HEADBOX & COVER DIAGRAM	
DESIGNED _____	
REVIEWED _____	
APPROVED _____	
DRAWN TRACEY BAJT	SCALE NONE
DATE 5/2/03	SHEET 1 OF 1
DRAWING NO. _____	

MEMORANDUM

TO: File 75-15027

FROM: Daniel Nelson – Staff Hydrologist

DATE: June 12, 2014

SUBJECT: Water Right Review

I was asked to review the records for this permit and determine the location and system for this permit. I met with the staff in the Salmon BLM office, and I feel I have a good understanding of how this system operates.

There were several maps in the file that showed different water troughs on the system. I even had trouble when I got back to office deciphering the maps. Fortunately, Wendy Hoffman of the Salmon office provided a map that had the current GPS readings on the map. This helped tremendously. I have attached a map with this memo of the all of the water troughs, and the point of diversion. I also included pictures and billings that show that all of the troughs have floats on them.

The water for this pipeline referred to as the Bull Summit Pipeline is diverted from a spring that sits right on the section line between sections 17 and 18 in Township 18 North, Range 23 East. The diversion structure was GPSed and it fell in the NWNW quarter of Section 17. From the spring, the water is run through a pipeline in a northeasterly direction to the 1st water trough. The pipeline then winds easterly around a knoll and then turns southeasterly and follows a road. In the NWNE of Section 17 there is a spur off coming off the mainline to the east that feeds the 2nd trough. Further south another spur comes off of this mainline to the southwest to feed the 3rd trough in the SENW of Section 17. The 4th trough is right on next to the road in the SWSW of Section 16. Further south of the 4th trough another spur travels west to the 5th trough in the NENE of Section 20. The pipeline continues south to the 6th trough in the NENW of Section 21, then the 7th trough in the NWSE of Section 21 and then onto the 8th trough in the SWNE of Section 28.

Water Right 74-1442 covers the water consumed by livestock directly from the spring in the NWNW of Section 17. Water Right 74-7198 covers all of the water troughs except for water trough 6 and 8. This permit should cover water troughs 6 and 8. Originally this permit only listed the location for water trough 8, but I feel we should include water trough 6 to fully cover the system.

I feel this permit can be licensed with an amendment to include the stockwater trough not covered on the other water rights.

Trough 1, Decreed
under right 74-198

Trough 2, Decreed
under right 74-198

Point of Diversion
Natural Flow of Spring
Decreed under right
74-1442

Trough 3, Decreed
under right 74-198

Trough 4, Decreed
under right 74-198

Trough 6, to be
covered by
Permit 74-15027

Trough 5, Decreed
under right 74-198

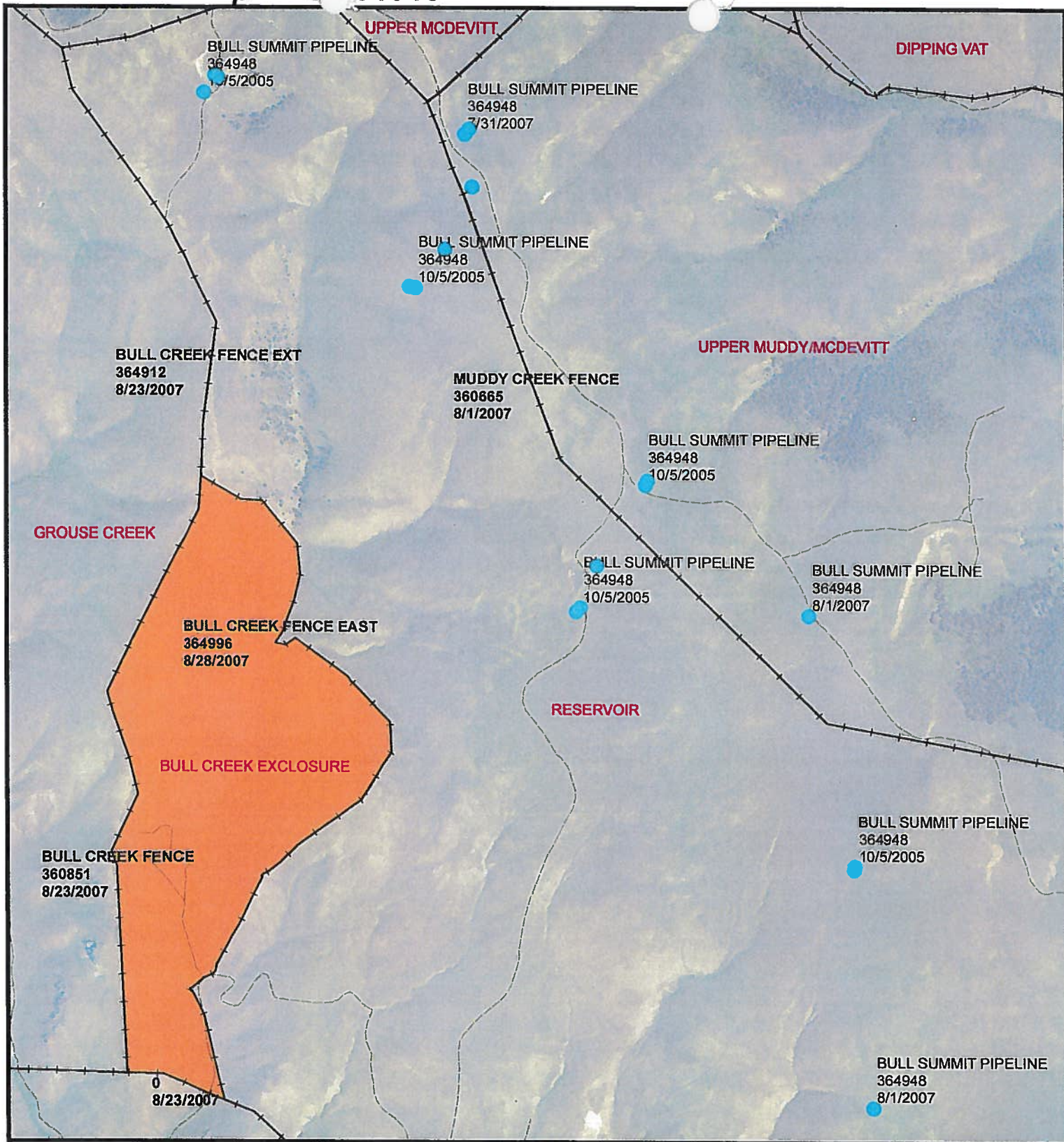
Pipeline

Trough 7, Decreed
under right 74-198

System Diagram -- Permit 74-15027 - By Dan Nelson
Water Right 74-1442 covers the water consumed by
livestock directly from the spring in the NWNW of Section
17. Water Right 74-198 covers all of the water troughs
except for water trough 6 and 8. This permit should cover
water troughs 6 and 8. Originally this permit only listed the
location for water trough 8, but I feel we should include it.

Trough 8 to be
covered by
Permit 74-15027

Bull Summit Pipeline 364948



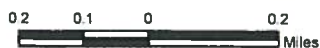
Legend

RANGE IMPROVEMENT (POST 1999 GPS)

- TROUGH
- HEADBOX
- SPRING
- CATTLEGUARD
- DAM

FENCES

- 3 STRAND WIRE
- 4 STRAND WIRE
- 5 STRAND WIRE
- 6 STRAND WIRE
- 7 STRAND WIRE
- JACK
- POST AND RAIL
- NET WIRE
- ADJUSTABLE
- ELECTRIC
- NATURAL BOUNDARY
- PLANK
- WOVEN WIRE
- UNKNOWN



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Fiscal Year 19

Project Number

I-4R-1062

Project Name

Bell Spring Pipeline

PROJECT EXPENDITURES

Page 1

		DATE	ESTIMATED BLM & CONTRIBUTED FUNDS		AMOUNT	Remarks				
Cooperative Agreement										
Project Started										
Project Completed										
Contract Number										
Contract Filing Number										
POSTING DATE	DOCUMENT	REFERENCE NUMBER	DATE OF DOCUMENT	QUANTITY	ITEM	S&M	R.I.	W.C.	OTHER BLM	CONTRIBUTIONS RANGE USERS OTHERS
8-24-62	PO	11-04-151	6-15-66	16,000'	Pipe Plastic, 1 1/4"	1296.00				
9-05-66			8/66		Shut Equip	14.21				
9-28-66	IS	87482	9/26	2	Trough, 12' (PR) 48x19"	131.14				
10-18-66	RV	#9	10-18-66		Material	23.18				
10-18-66	PO	11-04-67	10-18-66	56 min	Taken lowboy rental	42.00				
10-24-66	T.C.	22	10-22-66	23 MD	Temp Salaries	545.21				
10-26-66	FS	87497	10-24-66	3200'	Pipe Plastic	256.00				
10-27-66			10/66		Shut Equip	2.50				
10-31-66			10/66		Shut Equip	88.99				
11-3-66	IS	87526	11/2	12	Post, wood					
				3	Post, brace, 18'					
				17	Adapters, 1 1/4"					
				8	Bolt, 8"					
				16	Bolt, 1/2 x 10"					
				29	Coupling, 1 1/4"					
				92	Clamp, Pipe					
				3	Cap Pipe, 1 1/4"					
				4	Flt, 1 1/4"					
				1	Trough, 12' (48"x14") (PR)					
				4	Lumber, 4x6x16					
				5	Valve, globe, 1 1/4"					
				3	Flt, 1 1/2"					
				1	marker, project	119.39				
11-14-66	RV	10	11-10-66		Material	12.01				
11-14-66	T.C.	23	11-5-66	15 MD	Temp Salaries	408.58				
11-21-66	CR	18-67	11-18-66	5000'	Pipe, Plastic, 1 1/4"	(320.10)				
12-2-66			11-66		Shut Equip	102.00				
TOTALS										

Bull Summit

6/2/93

JM

water tower

6 troughs floated

1000' - $1\frac{1}{2}$

17,500 - $1\frac{1}{4}$

2 - floated pressure box

back & pole 25 yds on each side

install head box - backhoe

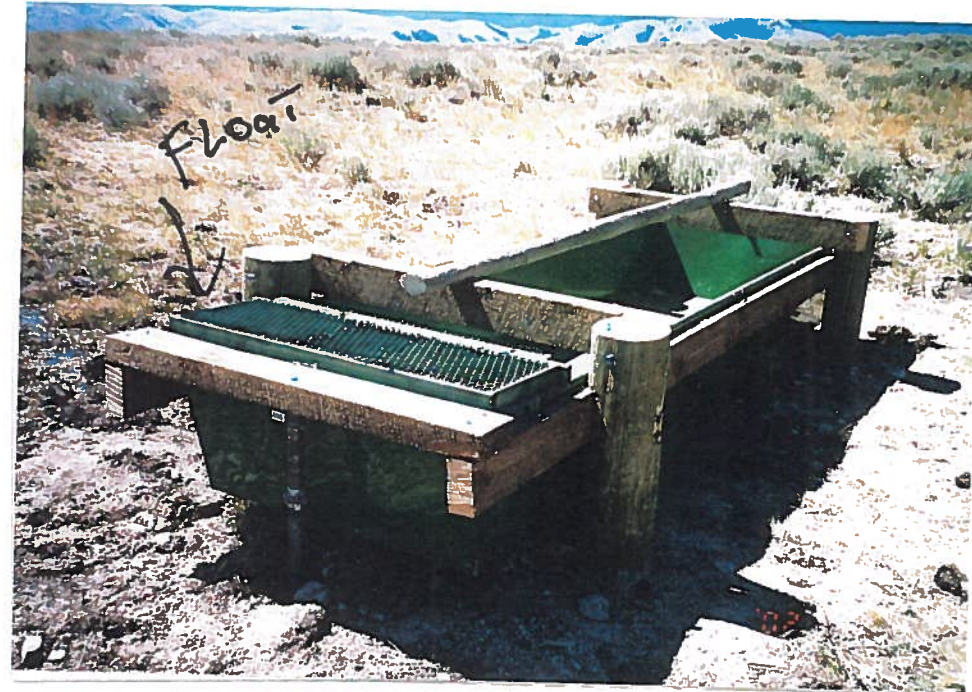
- crawler w/ pipe layer

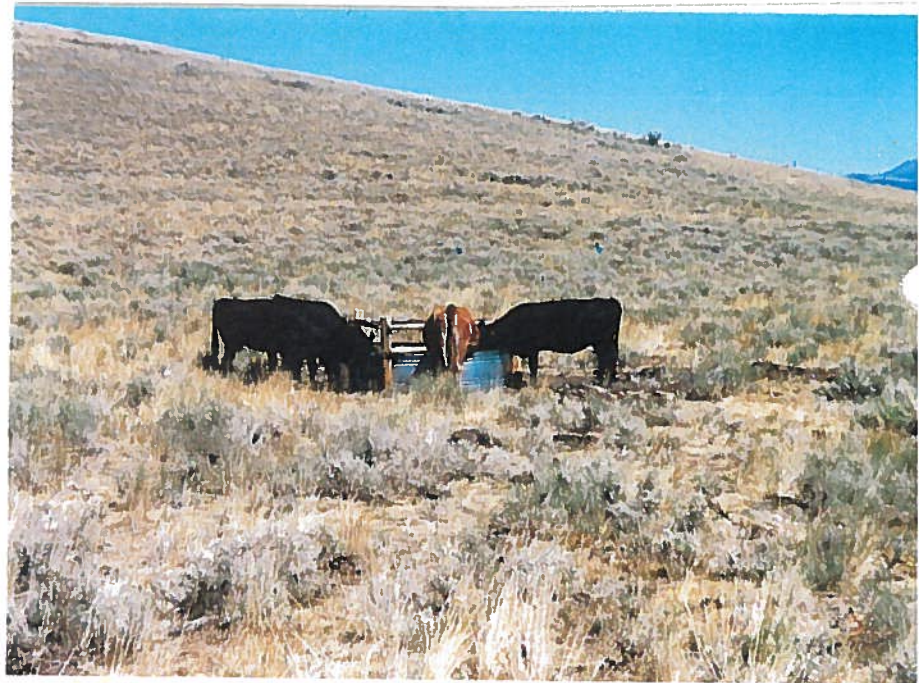
- No blasting

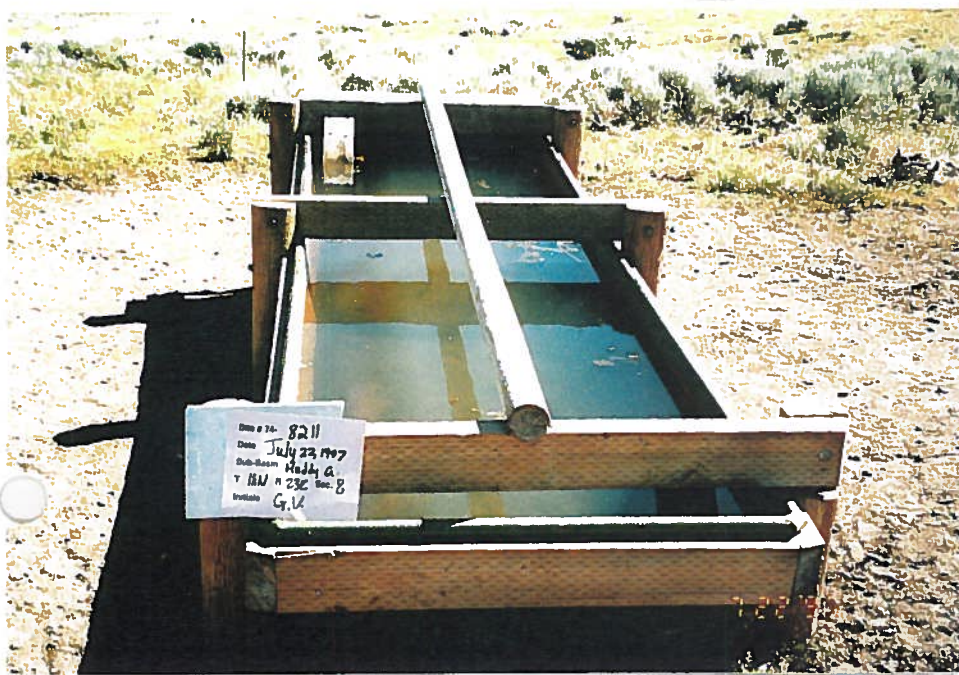
- Standard Cultural stip - If any materials found
cease work & inventory

~~... ? ... ?~~









Number 74- 8116
 Date: July 22, 1997

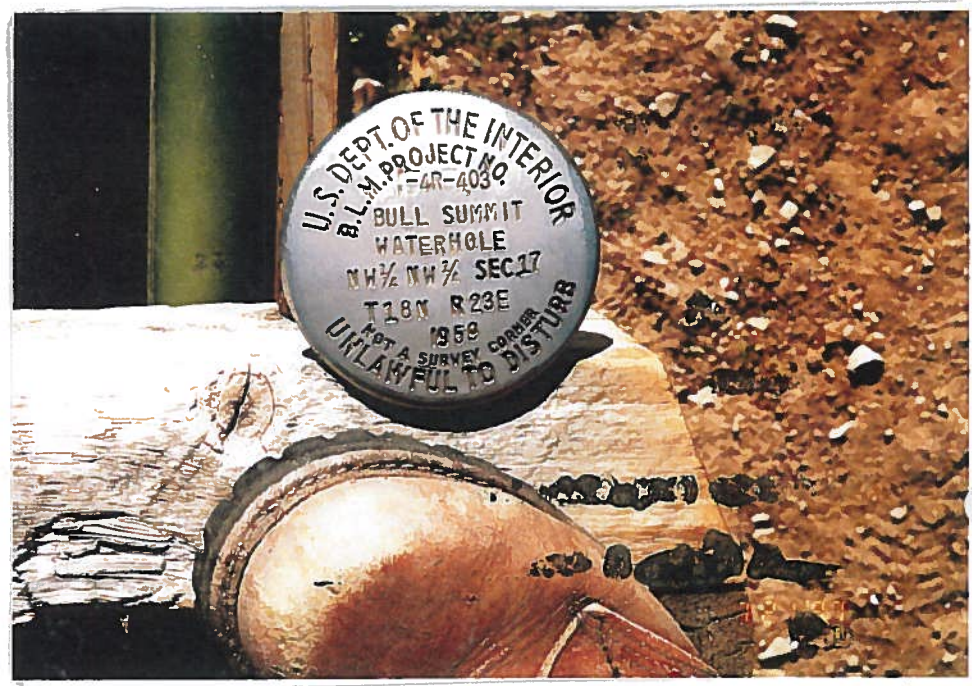
Drainage/ Subdrainage: Bull Creek

Structure: Headbox

(Good) Section (Code one)
 T 18 N R 23 E Sec 17 1/4 NW 1/4
 Poison Peak

Number 74- 8116
 Date: July 22, 1997
 Drainage/ Subdrainage: Bull Creek
 Description: Overview

(Good) Section (Code one)
 T 18 N R 23 E Sec 17 1/4 NW 1/4
 Poison Peak



February 3, 2014

Danielle,

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FEB 06 2014

DEPARTMENT OF
WATER RESOURCES

74-7369 Photos will be taken when access is feasible (snow and elevation). The location of the head box and first trough will be investigated this spring. The location of the second trough as depicted on the map is correct.

74-15574 The head box is steel and the perforated holes drilled along the lower half of the conduit are 3/8 inch. Will need to hike into this project this spring, access is limited without permission.

75-15617 The head box is steel with perforated holes along the lower half being 3/8 inch. Couldn't find any information on whether the historic use relates to 74-11949 or 74-11950.

75-7621 The trough in section 35 is connected to the head box found in section 34. The troughs shown in the photo are empty due to season of use.

75- 14088 Will send map, photos and GIS points when access is available in the spring. Elevation and snow prohibit access at this point.

74- 15027 Water enters the conduit from the spring source through 3/8 inch perforated holes drilled along the lower half of the steel culvert. Extension of 74-1442 and 74-71 98 ?

74-15028 The trough numbers have been added to the photos on the map as requested.

74-15606 This project has been tied into the Cold Spring project. As far as any one knows the Cold Spring project does not function any longer so the two troughs that were tied to that line are now the last two troughs on 74-15606. One photo of the last trough on the former Cold Spring line, now the Railroad Tanker PL Extension has been taken.

74-15635 The first trough on the line is covered under 74-15635. As far as the trough in section 18, no one can remember if this is tied to 74-15635. Will follow up with a field investigation when the weather permits this spring.

74-15733 Having looked at aerial photos and following the water course, the water from this spring source does not get diverted to private land. It eventually subs into the soil after running intermittently on the surface.

74-7366 This pipeline was rebuild after the Negro Green line became non-functional. Have listed on the map where the head box, pressure breaks and troughs are, as well as the old head box and trough locations. Not sure if the old trough shown on the map is holding water, though have marked it non-functioning.

Also, if you could direct me to a site that has the project names tied to the water right permit numbers I'd be obliged. Thanks, Elias

Improvement Master Report Improvement Information

BLM Office: LLIDI04000 - ID/Salmon FO		RIPS
Begin Date:	10/01/1991	Project Number: 364948
Abandoned Date:		Completed Date: 09/30/1992
Improvement Name:	BULL SIMMIT P.L.#3	Financial Project Code:
Management Objective:	Livestock Grazing Management	Improvement Type: Water Control/Development
Construction Agreement:	Cooperative Agreement	Maintenance Responsibility: Range User
Habitat Type:		Last Inspection Year: 2002
Management Plan Type:	Allotment Management Plan(AMP)	Inspection Cycle: 3

Location

Geographic State: Idaho	Geographic County: Lemhi	Meridian: Boise
Township: 18N	Range: 23E Section: 17	Subdivision:

Units Completed

Improvement Project ID	Project Phase:	Fiscal Year:	Units:	Description:	Units:	Description:
32473	Reconstruction	1992	1.0	Number of Watering Points	0.0	Length in miles to the tenth
32474	New	1993	6.0	Number of Watering Points	3.6	Length in miles to the tenth
32475	Addition	2002	6.0	Number of Watering Points	2.5	Length in miles to the tenth
147680	Maintenance	2008	0.0	Number of Watering Points	0.0	Length in miles to the tenth

Improvement Details

Improvement Class:	Pipelines	Plant or Weed Control Method:
Treatment Class:		Chemical Trade Name:
Chemical Common Name:		Species Benefited Group:
Seeding Method:		

Species Name	Plant or Animal	Type of Effect:	Threatened and Endangered Species:
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Watershed Tillage

Method:

Environmental

Assessment #:

Water-Right Number:

Acre Feet of Water Stored:

Beneficial Salinity Control

Effects:

Miscellaneous Information

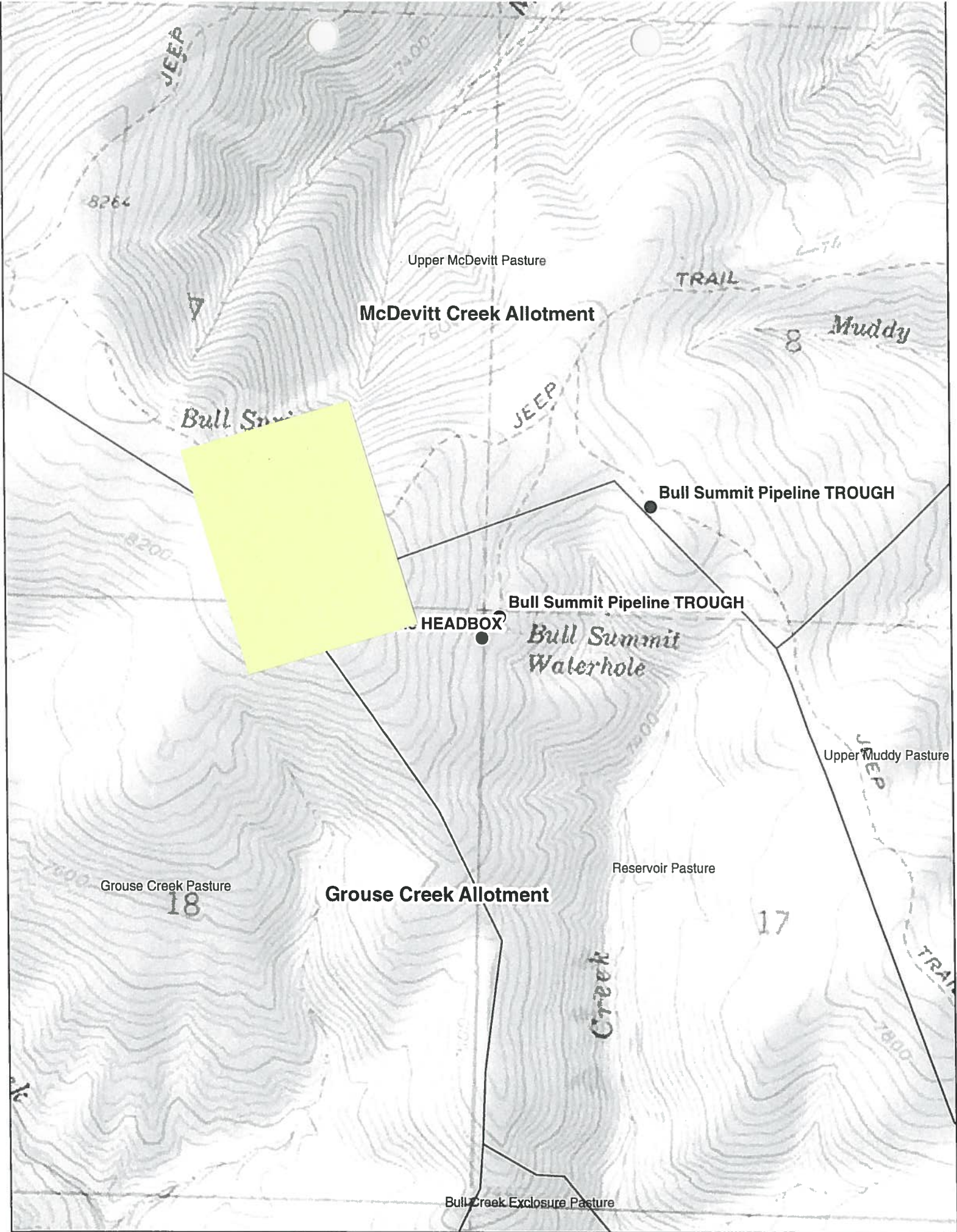
Project 1:	Project 2:	Undefined 1:	Undefined 2:
Improvement Notes:			

Management Units

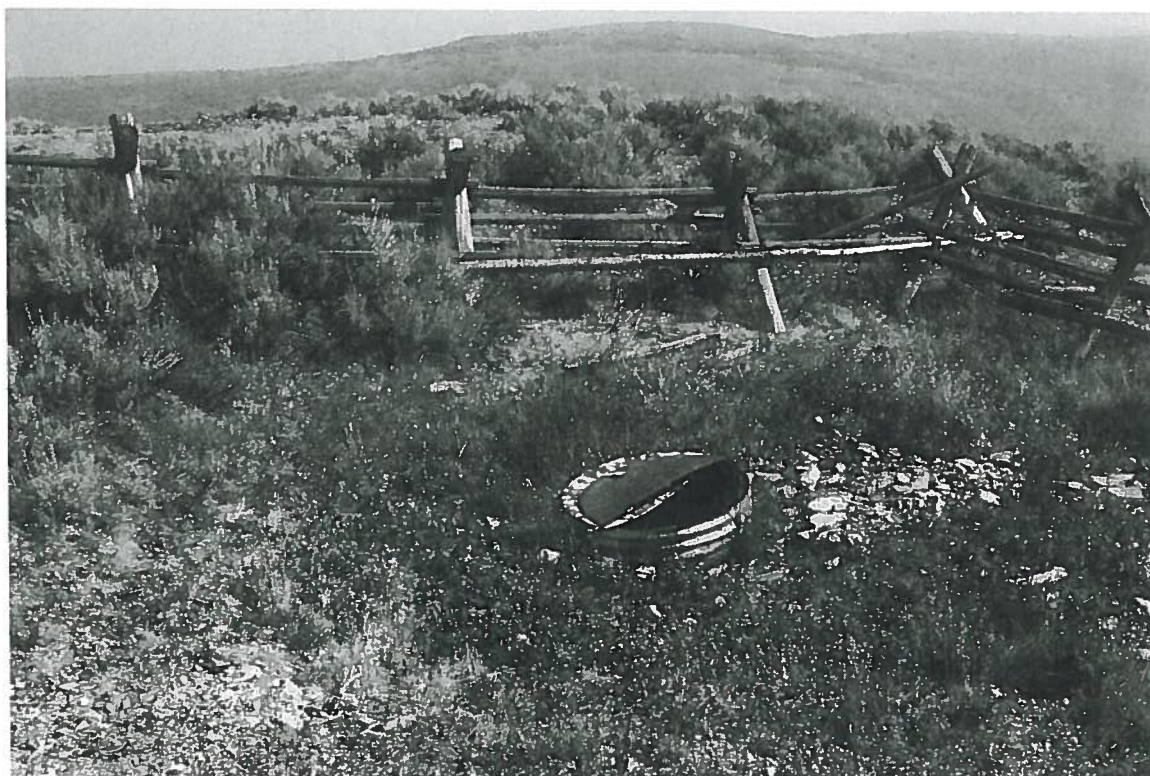
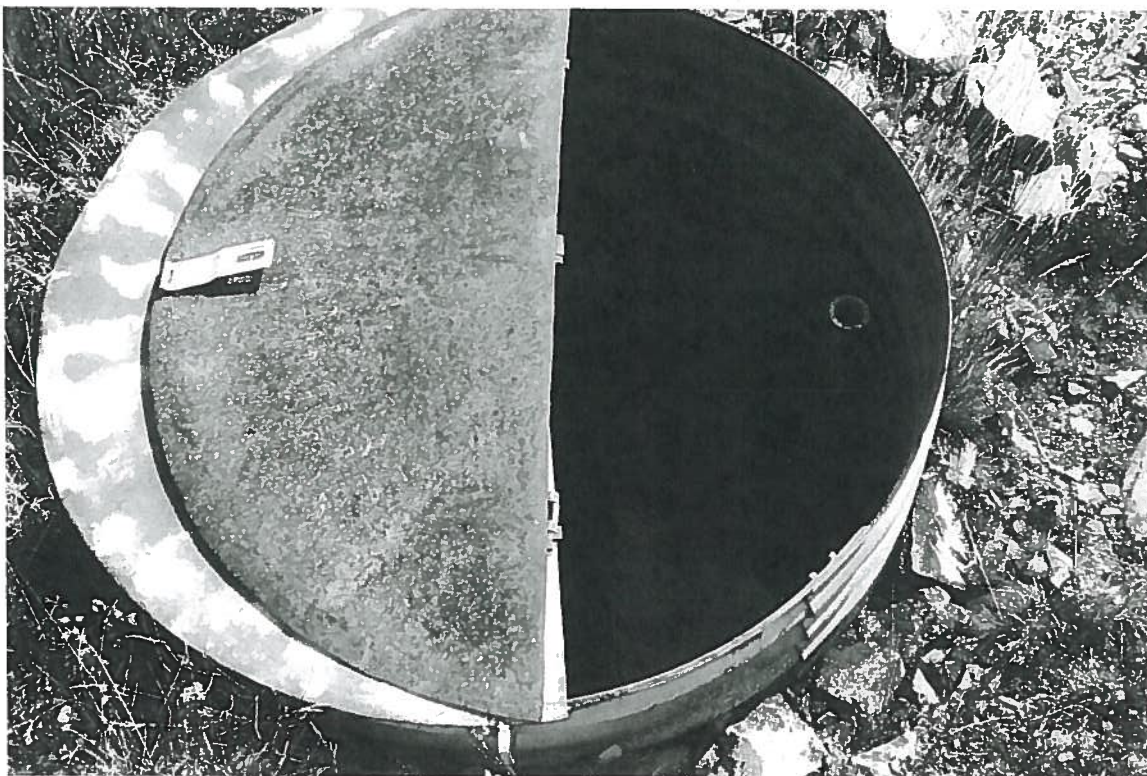
Allotment Number: 06205	Watershed Management Area:	Wildlife Management Area:	WH&B Herd Area:
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Cooperator Costs

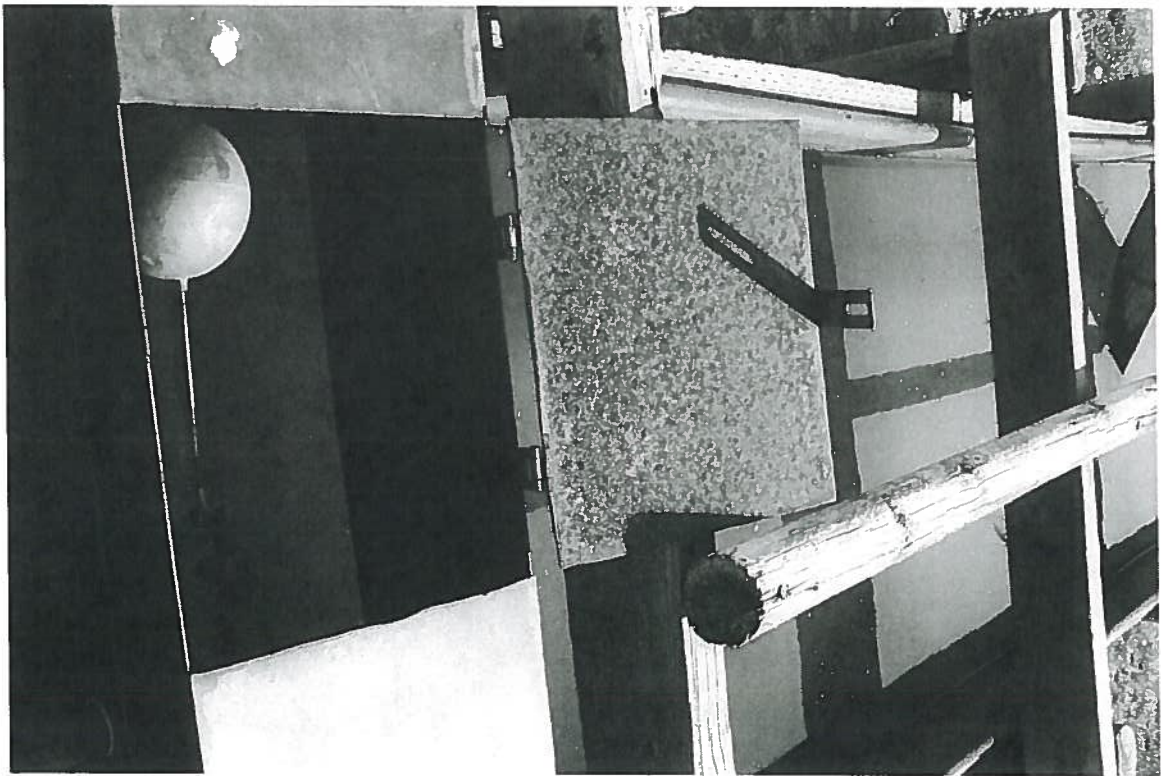
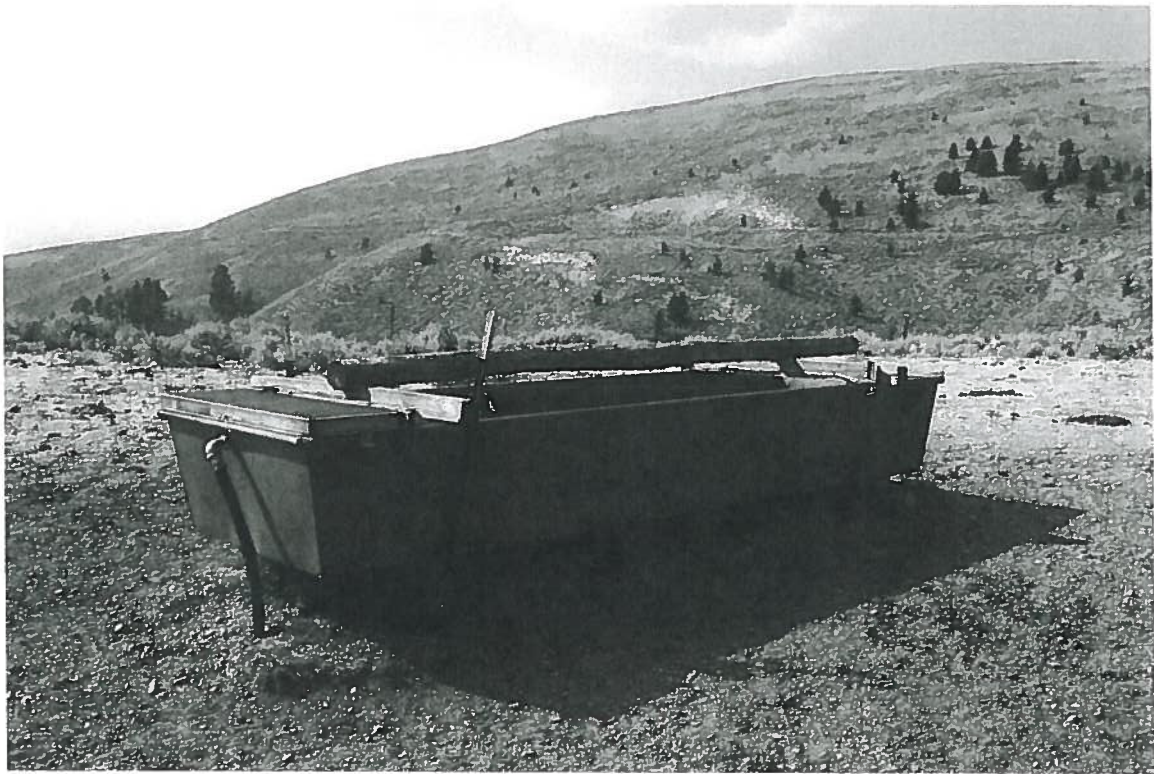
Cooperator Type:	Cooperator Name:	Contributed Material Cost:	Contributed Labor/Equipment Cost:
32474 Range User	GROUSE CREEK ASSOC.	2260.00	0.00
32474 Range User	MC DEVITT CR. RANCH	500.00	0.00
147680 Range User	McDevitt Creek Ranch; c/o LeRoy Bird	0.00	0.00
147680 Range User	Grouse Creek Cattle Growers Assn.; c/o Wes Macky	0.00	0.00
32475 Range User	McDevitt Creek Ranch; c/o LeRoy Bird	0.00	0.00
32475 Range User	Grouse Creek Cattle Growers Assn.; c/o Wes Mackey	0.00	0.00



74-15027 Spring Box



74-15027-Trough



RECEIVED

NOV 04 2013

DEPARTMENT OF
WATER RESOURCES

October 30, 2013

Danielle,

I am sending you the information you requested. I still need to collect more information on certain projects, ie; photographs of projects in remote areas (Cabin Creek). In reviewing an updated file map on 74-15027, Bull Summit PL Spur, it appears that there are 9 troughs on the line. I will need to look at this entire line when the weather permits and take the appropriate photos. One trough was added to the Gary Pipeline in 2003 making for four troughs on the line. In looking at aerial photos of the spring related to the Clear Creek Pipeline, I can't see where any water from the drainage is diverted for private use. I will continue to check these projects out when in the field.

74-07366, Negro Green Pipeline, this is the same project as 74-15450, Nez Perce Pipeline.

74-15617, McDevitt Pond Spring, is simply Pond Spring

74- 15635, MBC Pipeline was changed to Spahn Spring.

I have tried to clean up some of the maps that were sent before. Some projects were GPS's more than once over time and this has caused some overlay problems. This may have been the situation with dots and stars appearing on some maps. I will continue to work with our GIS coordinator and range conservationists in getting the information updated and as correct as possible. As far as locking the spring boxes with pad locks, this would create problems for permittees and BLM personnel in having to keep track of keys and or combinations. Maintenance responsibilities can fall to both, most often with the permittee under Co-op Agreements. The same with floats and valves. They don't always get repaired when they fail or get broken. The steel culverts and fiber glass head boxes used are all perforated by the operations crew prior to installment. The holes are drilled to sit below ground level and not always visible in photographs. Some file updating has been lax. Extensions to existing projects such as pipelines don't always get added to the files and over time fall through the cracks. It has been an experience in trying to track down what has occurred over the years and piece it all together. If you have any questions, and I'm sure you will, don't hesitate to write or call. I have as many to try and answer myself.

Elias

Improvement Master Report Improvement Information

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Abandoned Date:		
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Construction Agreement:	Cooperative Agreement	Maintenance Responsibility: Range User
Habitat Type:		Last Inspection Year: 2002
Management Plan Type:	Allotment Management Plan(AMP)	Inspection Cycle: 3

Location

Geographic State: Idaho	Geographic County: Lemhi	Meridian: Boise
Township: 18N	Range: 23E Section: 17	Subdivision:

Units Completed

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Improvement Details

Improvement Class:	Pipelines
Treatment Class:	Plant or Weed Control Method:
Chemical Common Name:	Chemical Trade Name:
Seeding Method:	Species Benefited Group:

Species Name	Plant or Animal	Type of Effect:	Threatened and Endangered Species:
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Watershed Tillage
Method:
Environmental
Assessment #:
Water-Right Number:
Acre Feet of Water Stored:
Beneficial Salinity Control Effects:

Miscellaneous Information

Project 1:	Project 2:	Undefined 1:	Undefined 2:
Improvement Notes:			

Management Units

Allotment Number: 06205	Watershed Management Area:	Wildlife Management Area:	WH&B Herd Area:
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Cooperator Costs

			Contributed
			La
			0.0
			0.0
32474			0.1
Range User			0.1
			0.0
			0.00
			0.00

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