

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

A. GENERAL INFORMATIONPermit No: 74-15617

Exam Date: 07/23/12

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: C087283

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

Spring

McDevitt Creek

Method of Determination: Pond formed by spring on DRG and GIS Imagery.

Change in Source: Y X N

This is one spring with several nearby that drain into McDevitt Creek. Tributary to McDevitt Creek, not Sinks. Source has not changed. No amendment needed.

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis
74-11948	Spring	Stockwater	Decreed

Comments: No overlap with 74-11950, 74-11944 or 74-11946 as these are for additional springs in the same QQ as POD. 74-11948 is for direct stock use from spring – 107 right.

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

Water Right No.	Source	Purpose of Use	Basis
74-11948	Spring	Stockwater	Decreed

Comments: No overlap with 74-11950, 74-11944 or 74-11946 as these are for additional springs in the same QQ as POD.

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

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Spring		NE	SW	NE	33	19N	23E	B.M.	Lemhi

Method of Determination: Spring on DRG and GIS Imagery. Photos & Map provided by permit holder.

Change in POD? Y N Amendment Required? Y 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	
19N	23E	33			X														
		Lot #																	
Total Acres =																			

Method of Determination: GIS Imagery and photos provided by permit holder.

Change in POU? ____Y __X__N Amendment Required? ____Y __X__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 400 head.

Permit allowed = 0.02 cfs

License recommend for 0.02 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\hspace{2cm}}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \underline{\hspace{2cm}}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{\hspace{2cm}}$$

Permit No: 74-15617

Page 3

2. Volume Calculations for Other Uses:

Per Application Processing Memo #3, sec. 3 400 X 0.0134 = 5.4 afa

Per Application Processing Memo #3, 301-400 range cattle = 5.4 afa

13000 gal/day condition – no volume needed.

License recommend for n/a afa.

G. PURPOSE OF USE

Irrigation _____ N # Stock 400 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

Locally known as Pond Spring or McDevitt Pond Spring

Headgate: 3.5 Cons. Use: 2.5

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

Water District 74

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

No Automatic Shutoff Condition, Lockable Device or Measurement Device Condition

Have conditions of permit approval been met? ____X__Yes ____No

Priority date advanced to 12-21-96

This is one spring with several nearby that drain into McDevitt Creek. Tributary to McDevitt Creek, not Sinks. Source has not changed. Clarification of source. No amendment needed.

13000 gal/day condition – no volume needed.

74-11948 is 107 right for use by stock directly from spring.

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	N/A AF
Wildlife	01/01 to 12/31	0.02 CFS	N/A AF
<u>Totals:</u>		0.02 CFS	N/A AF

2. Recommended Amendments

__X__ Change P.D. as reflected above ____Add P.D. as reflected above ____None

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

Other:

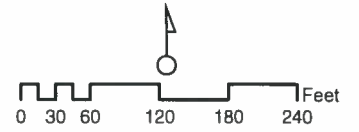
J. AUTHENTICATION

Field Examiner's Name Dorell Tanner Date 06/16/14

Reviewer Daniel A. Miller Date 6-23-14

NWNE

74-15617
POD and Trough



D. Favreau

11/21/13

SWNE

SENE

33

19N23E



NWSE

NESE

Basin	Sequence	Suffix	Version Number	Process	Basis	Status	Draft	RightID	Priority Date	Diversion Rate	Source List	Water Use List	Current Owner
74	11944			Water Right	Decreed	Active	N	408063	4/17/1926	0.02	SPRING	STOCKWATER	UNITED STATES OF AMERICA ACTING THROUGH
74	11946			Water Right	Decreed	Active	N	408064	4/17/1926	0.02	SPRING	STOCKWATER	UNITED STATES OF AMERICA ACTING THROUGH
74	11948			Water Right	Decreed	Active	N	408065	4/17/1926	0.02	SPRING	STOCKWATER	UNITED STATES OF AMERICA ACTING THROUGH
74	11950			Water Right	Decreed	Active	N	408066	4/17/1926	0.02	SPRING	STOCKWATER	UNITED STATES OF AMERICA ACTING THROUGH
74	15617			Water Permit		Active	N	593410	2/9/2005	0.02	SPRING	STOCKWATER, WILDLIFE	US DEPT OF INTERIOR

Other Owner Leased to Water Application Approved Total Acre Limit Volume Water District

No

No

No

No

No

9/12/2005

[illegible]

MEMORANDUM

TO: File 75-15617

FROM: Daniel Nelson – Staff Hydrologist

DATE: June 11, 2014

SUBJECT: Overlap Analysis

I sent my initial review of this water right out to the BLM offices to ensure that the information was correct. Fred Price reviewed the information and found that there was some disconnect between the existing water rights and this permit. I have included Mr. Price's notes with this memo.

The spring complex where water right permit 74-15617 diverts water is a large complex that allows the spring to breach the land surface in several areas. Several water rights were filed and decreed in the Snake River Basin Adjudication (SRBA) for these different areas. It was difficult to determine exactly which water right was assigned to the specific locations. Through Mr. Price's review of the Adjudication files, it was discovered that water right 74-11948 is the water right that actually overlaps the spring area where the headbox for 74-15617 is located.

Our office will work with Mr. Price to ensure that we have the points of diversion correctly identified in our records.

74-15617
Pond Spring, Project #364482
(aka McDevitt Pond Spring)
-T19N, R23E, S33, SWNE

**Pond Spring, Project #364482
(aka McDevitt Pond Spring)
-T19N, R23E, S33, SWNE**

**Pond Spring, Project #364482
(aka McDevitt Pond Spring)
-T19N, R23E, S33, SWNE**

McDevitt Creek Allot #06204
-North McDevitt Pasture #04

McDevitt Creek Allot #06204
-North McDevitt Pasture #04



74-15617

Pond Spring, Project #364482

(aka McDevitt Pond Spring)

-T19N, R23E, S33, SWNE

McDevitt Creek Allot #06204

-North McDevitt Pasture #04

POD -Spring Headbox (same spring as 74-11948)

T19N, R23E, S33, NESWNE

Decimal Degrees: 44.935144, -113.736343

Deg-Min-Sec: 44° 56' 6.5184"N, 113° 44' 10.8348"W

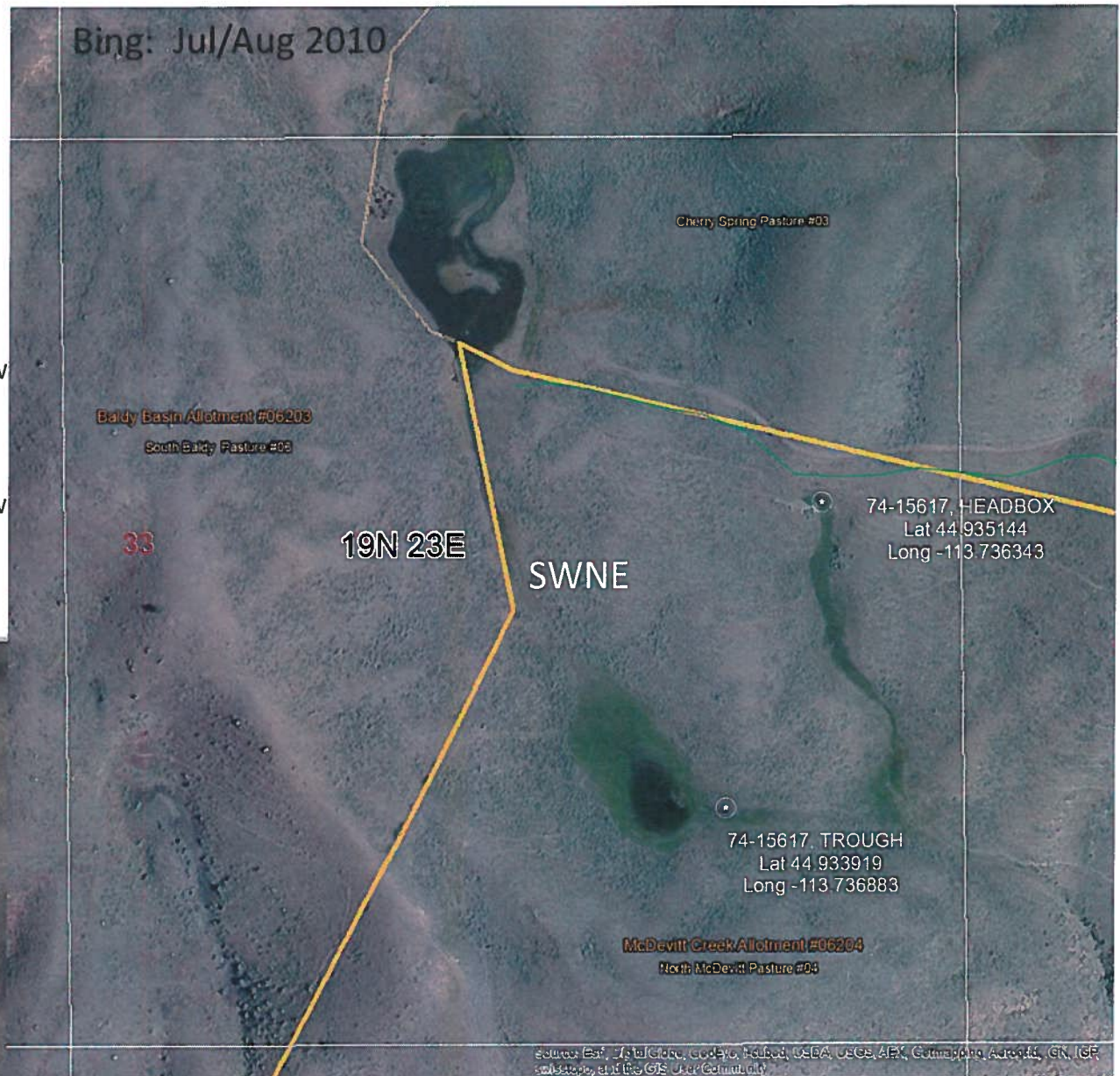
POU -Trough

T19N, R23E, S33, SWNE

Decimal Degrees: 44.933919, -113.736883

Deg-Min-Sec: 44° 56' 2.1084"N, 113° 44' 12.7788"W

Google Earth: 12/31/2010



74-15617
Pond Spring, Project #364482
(aka McDevitt Pond Spring)
-T19N, R23E, S33, SWNE

McDevitt Creek Allot #06204
-North McDevitt Pasture #04

Trough

Trough

Headbox

09/07/2006

Google Earth: 09/09/2013

74-15617 Trough

74-15617 Headbox

Google earth

In order to determine which PWR-107 claims overlap with which source, I took the photos from our original claim files and matched up the horizons and contours with Google Earth:

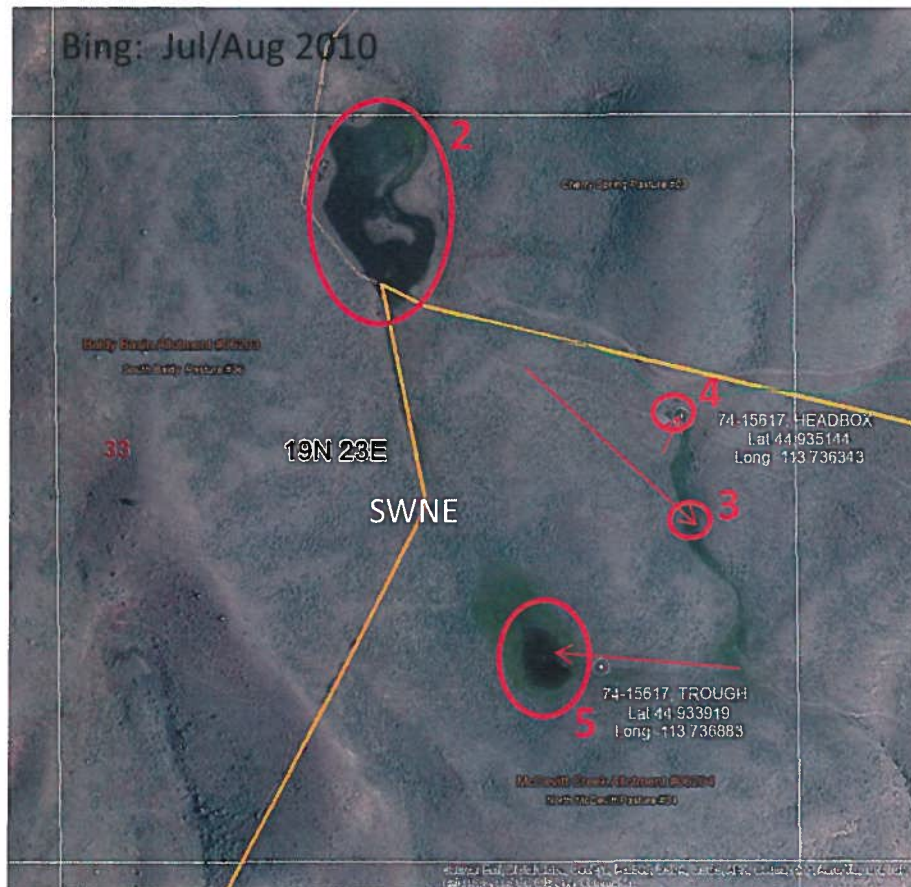
Dot #2 is 74-11944

Dot #3 is 74-11946

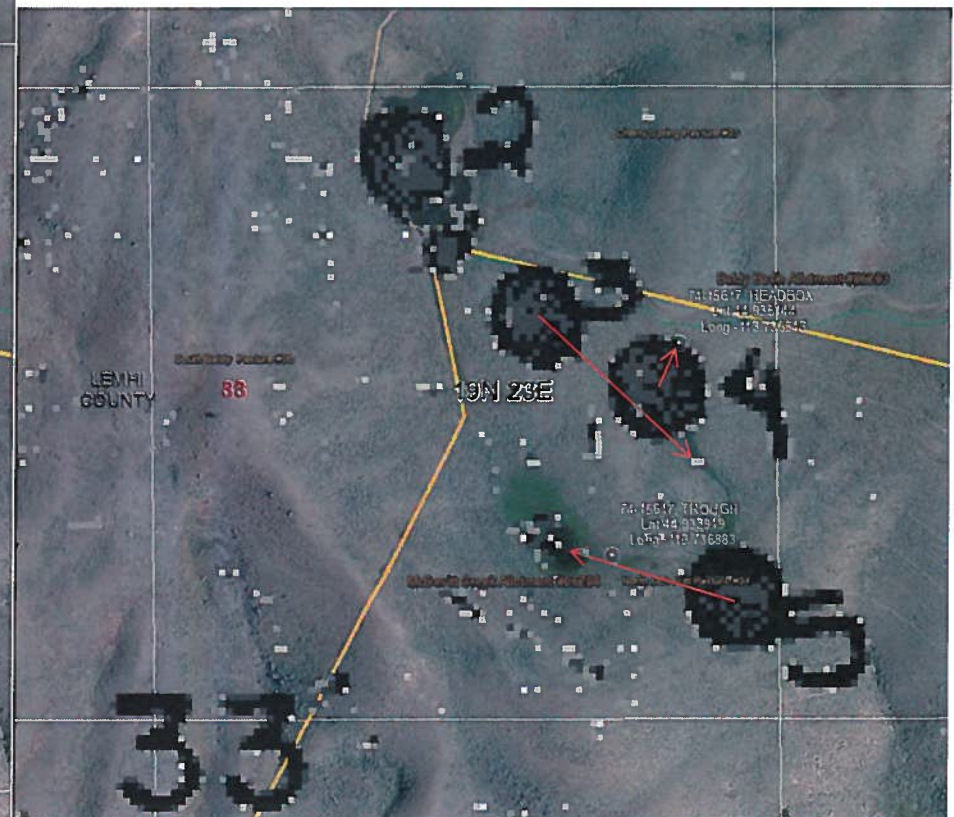
Dot #4 is 74-11948 (overlaps with 74-15617 POD)

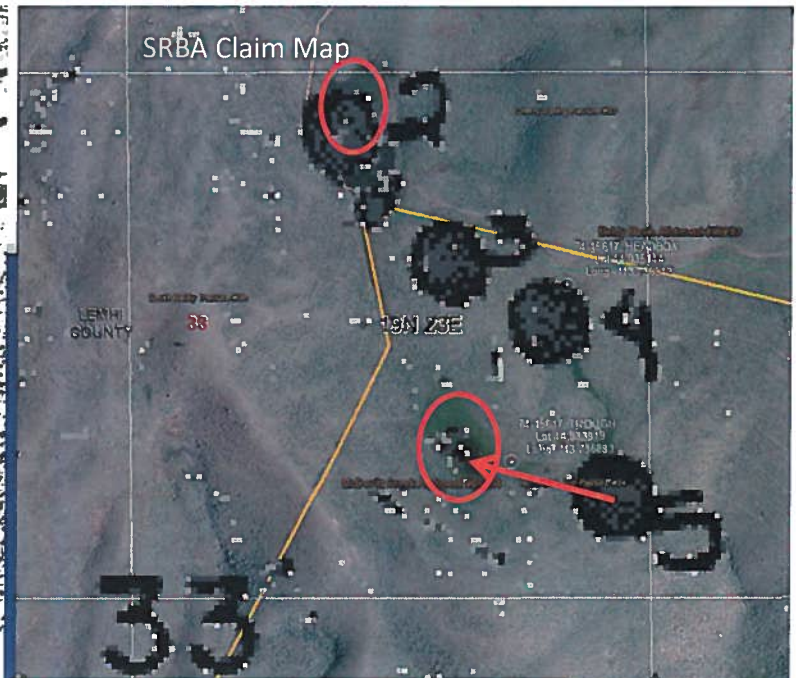
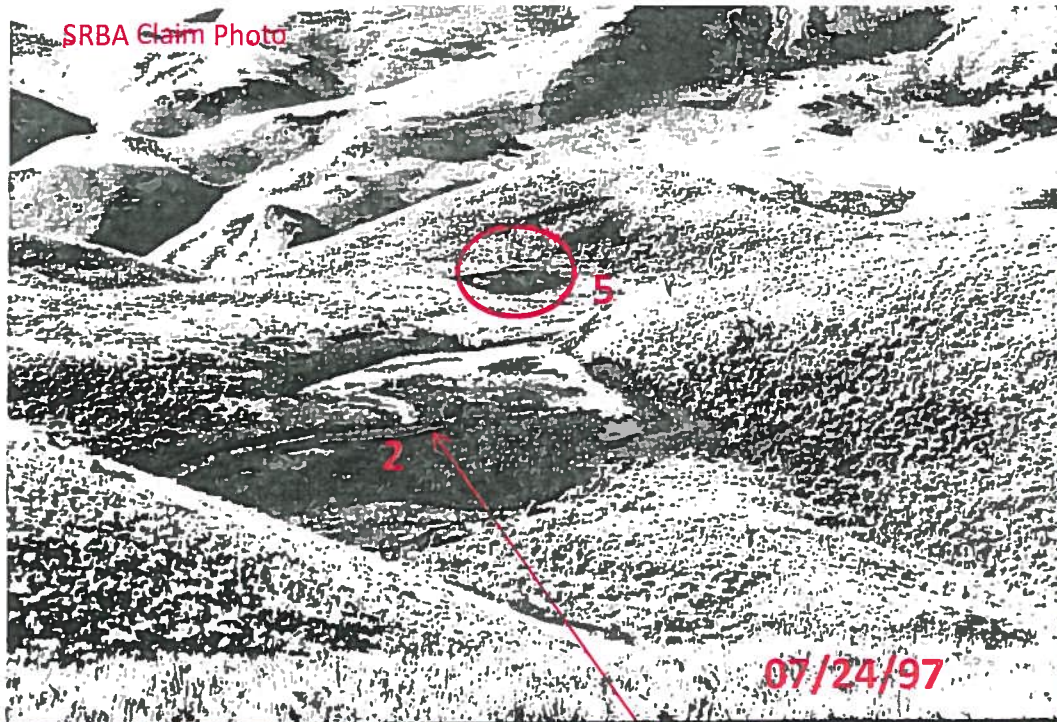
Dot #5 is 74-11950

Actual source locations:



SRBA Claim Map Dots:





IDWR No: A74-11944

Dot #2

Field Investigation Info:

Investigator(s) C. Nemeth

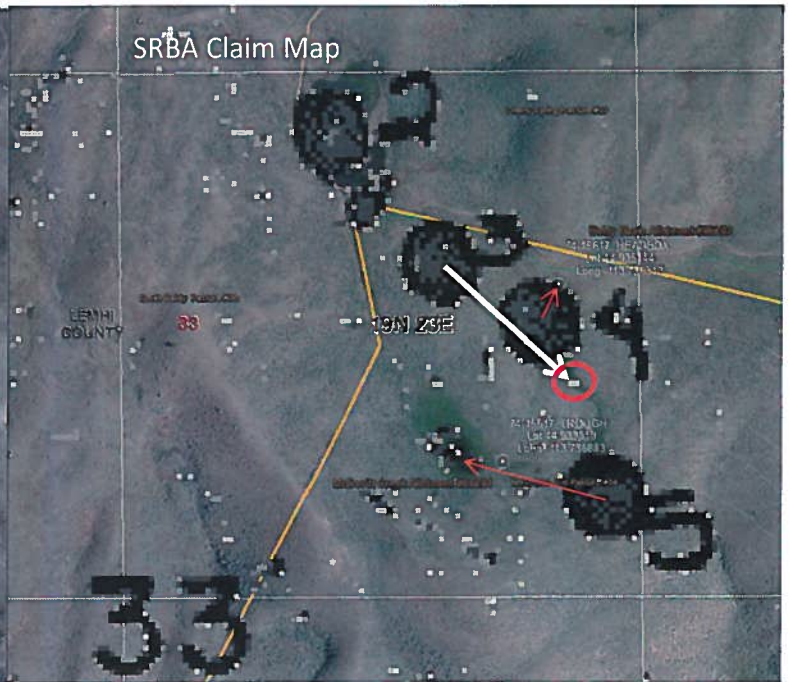
Date/Time 7/24/97

Site Description Site is a spring/pool sitting in a natural basin.



12/31/10





IDWR No: **A74-11946**

Dot #3

Field Investigation Info:

Investigator(s) C. Nemeth

Date/Time 7/24/97

Site Description Site is a spring
just below a track road & fence.
Spring appears to have been dug out
with machinery, but no headbox

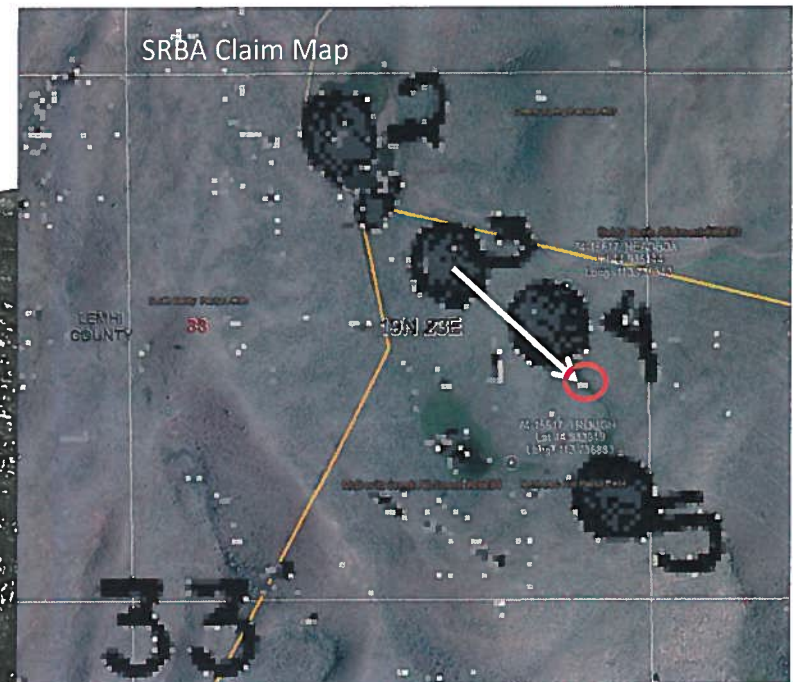


SRBA Claim Photo



07/24/97

12/31/10



IDWR No: A74-11946

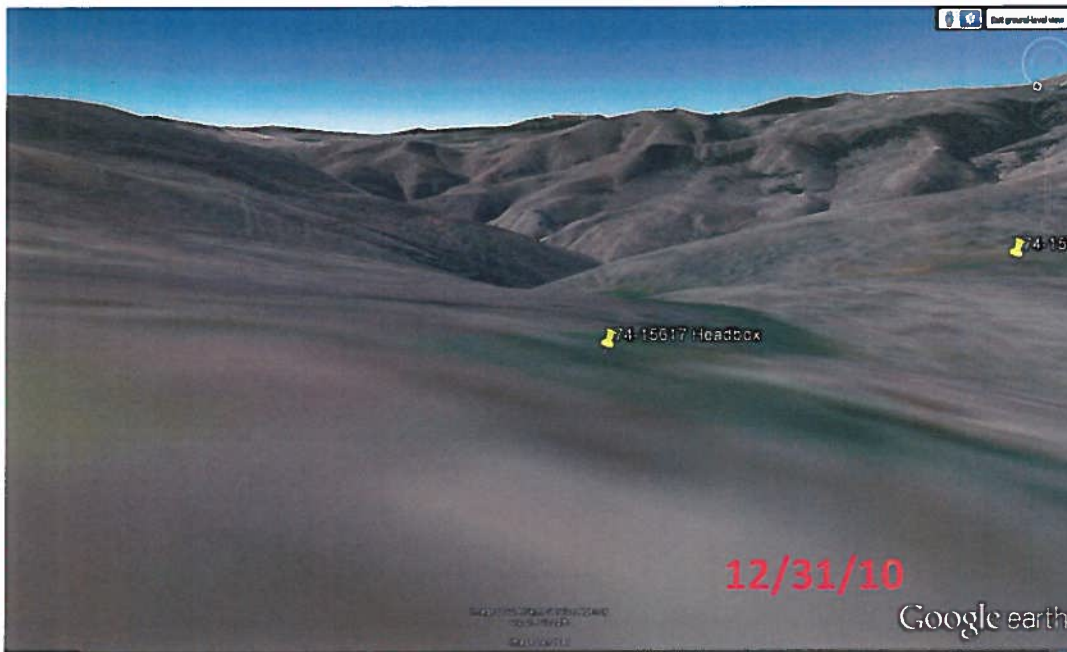
Dot #3

Field Investigation Info:

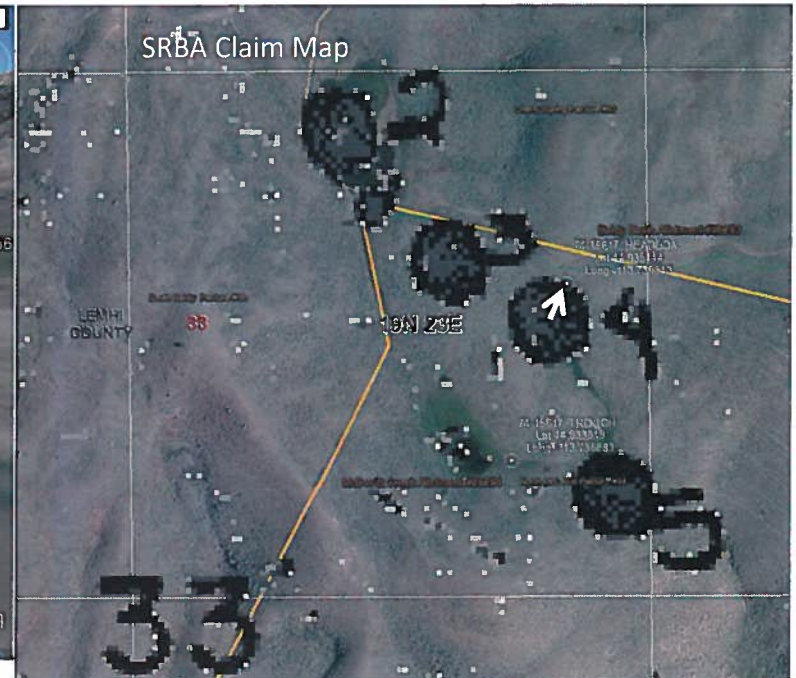
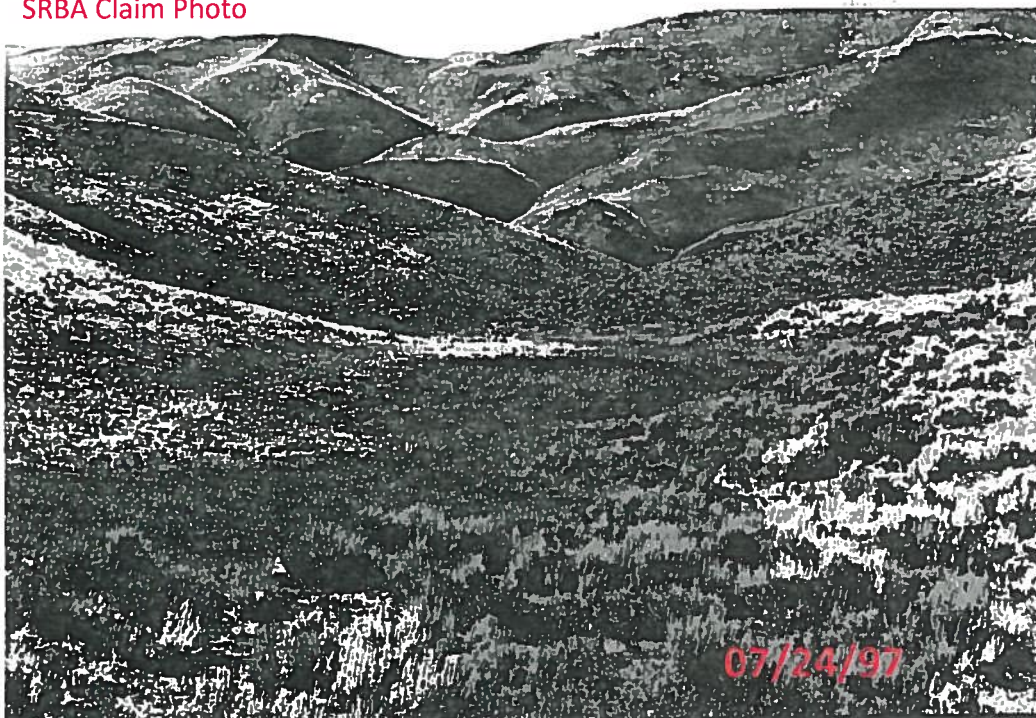
Investigator(s) C. Nemeth

Date/Time 7/24/97

Site Description Site is a spring
just below a track road + fence.
Spring appears to have been dug out
with machinery, but no headbox



SRBA Claim Photo



IDWR No: A74-11948

Dot #4

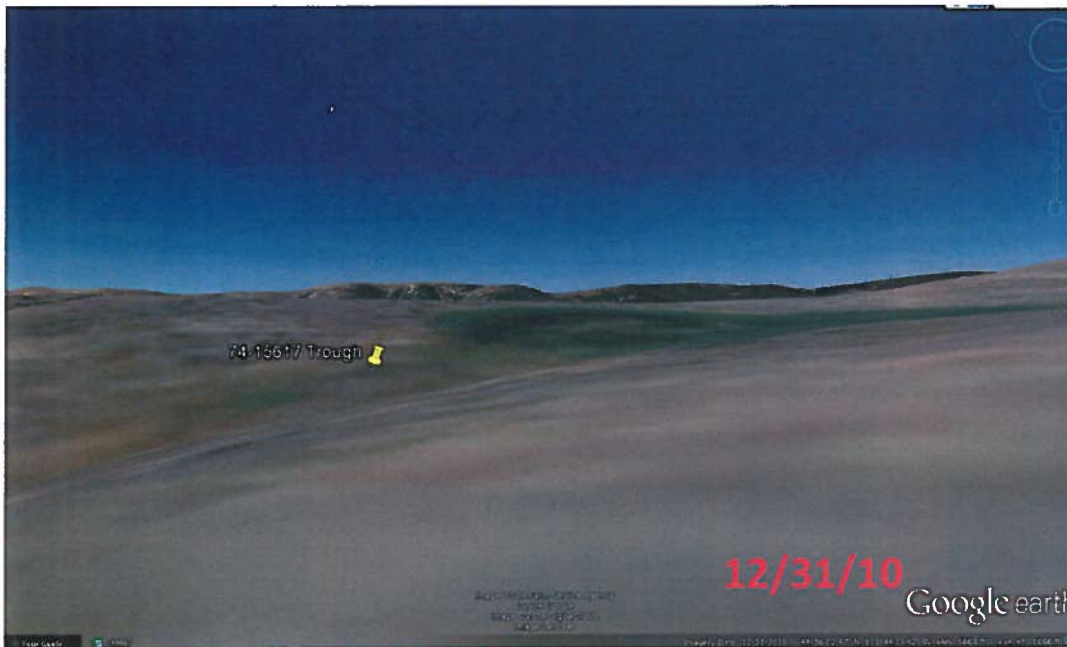
Field Investigation Info:

Investigator(s) C. Nemeth

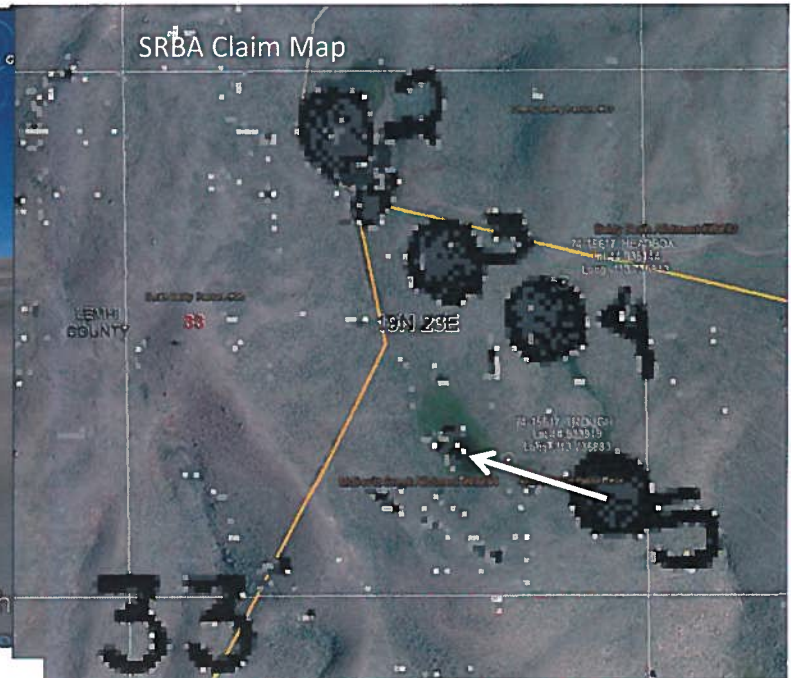
Date/Time 7/24/97

Site Description Spring site is about 50 yards below site 0470, and

The headbox for 74-15617 is located at same spring that is covered by 74-11948.



SRBA Claim Photo



IDWR No: A74-11950

Dot #5

Field Investigation Info:

Investigator(s) C. Nemeith

Date/Time 7-24-97

Site Description Site consists of a small pond in a natural basin.



The trough for 74-15617 is located at the pond which is covered by 74-11950.

[illegible]

MEMORANDUM

~~74-7369-14088~~

FROM: Daniel Nelson – Staff Hydrologist

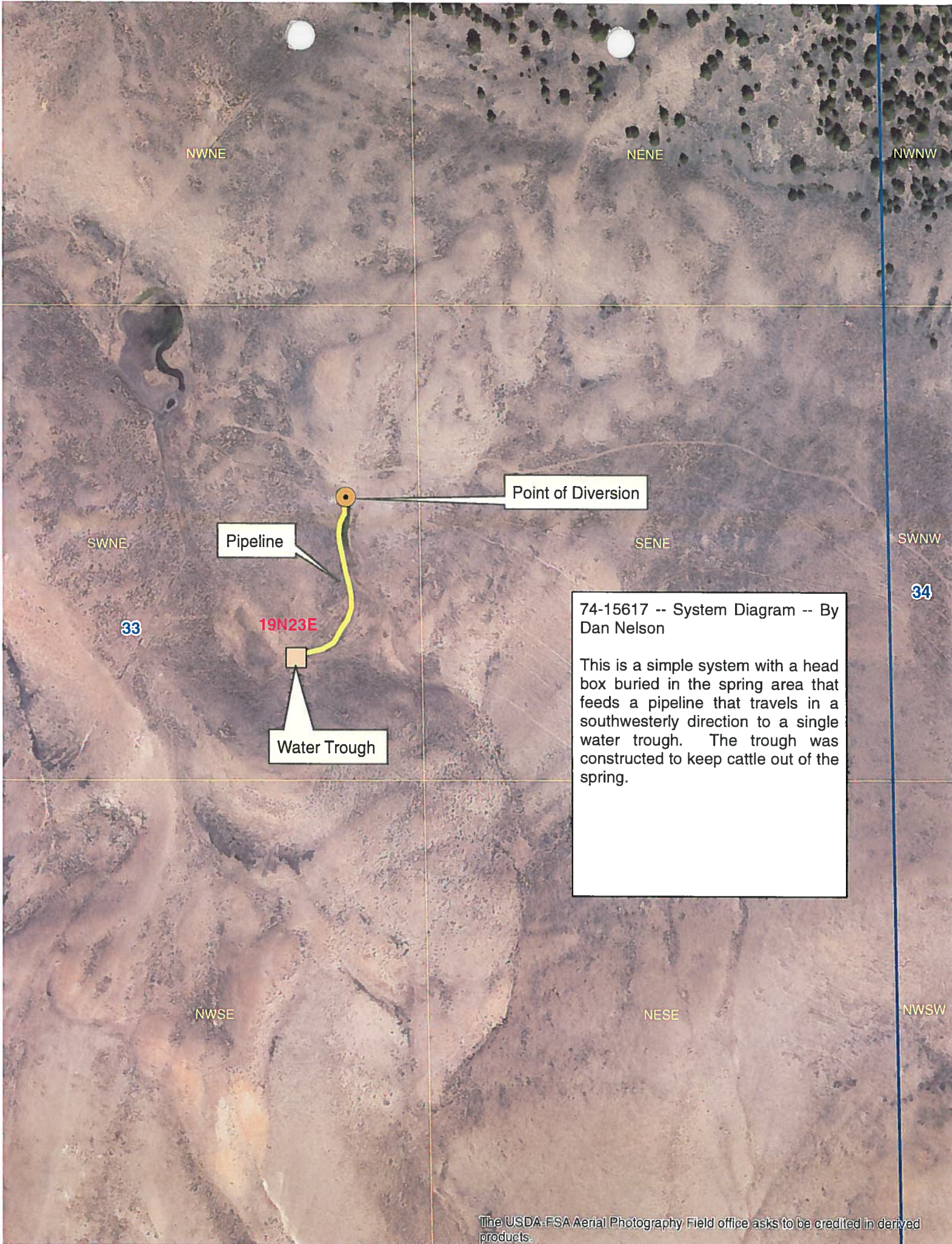
DATE: June 11, 2014

SUBJECT: Review of System for Licensing

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.

This system is very simple. Originally, this spring was filed on under Snake River Basin Adjudication (SRBA) claim 74-11950 to allow stock to drink directly out of the spring. Water right permit 74-15617 was then filed to pipe the water from the spring to a water trough in the same section. Although these two rights use the same spring, they actually have two separate places of use within the same 40 acre tract. 74-11950 is for natural flow from the spring, and 74-15617 is for the diversion to the pipeline. This system is known as McDevitt Creek.

No amendments or transfers need to be filed for this system. The water rights give the proper legal descriptions.



NWNE

NENE

NWNW

SWNE

SENE

SWNW

33

19N23E

34

Pipeline

Point of Diversion

Water Trough

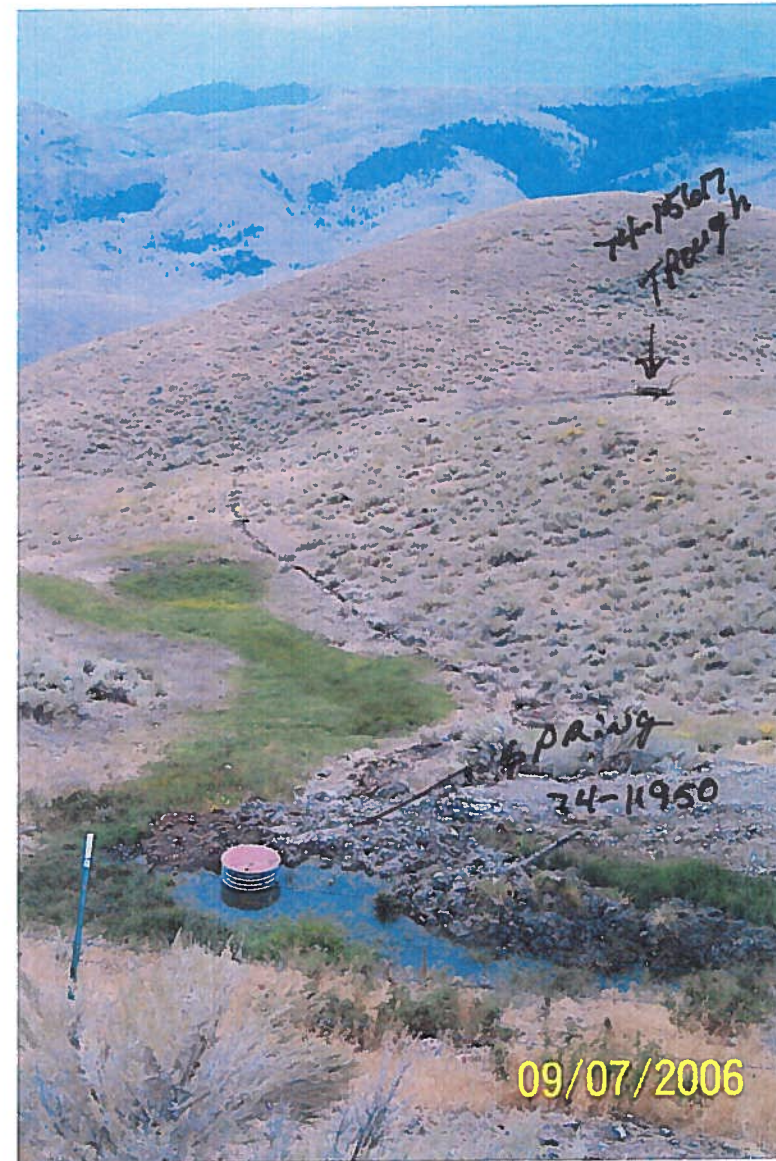
74-15617 -- System Diagram -- By Dan Nelson

This is a simple system with a head box buried in the spring area that feeds a pipeline that travels in a southwesterly direction to a single water trough. The trough was constructed to keep cattle out of the spring.

NWSE

NESE

NWSW



February 3, 2014

Danielle,

RECEIVED

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.

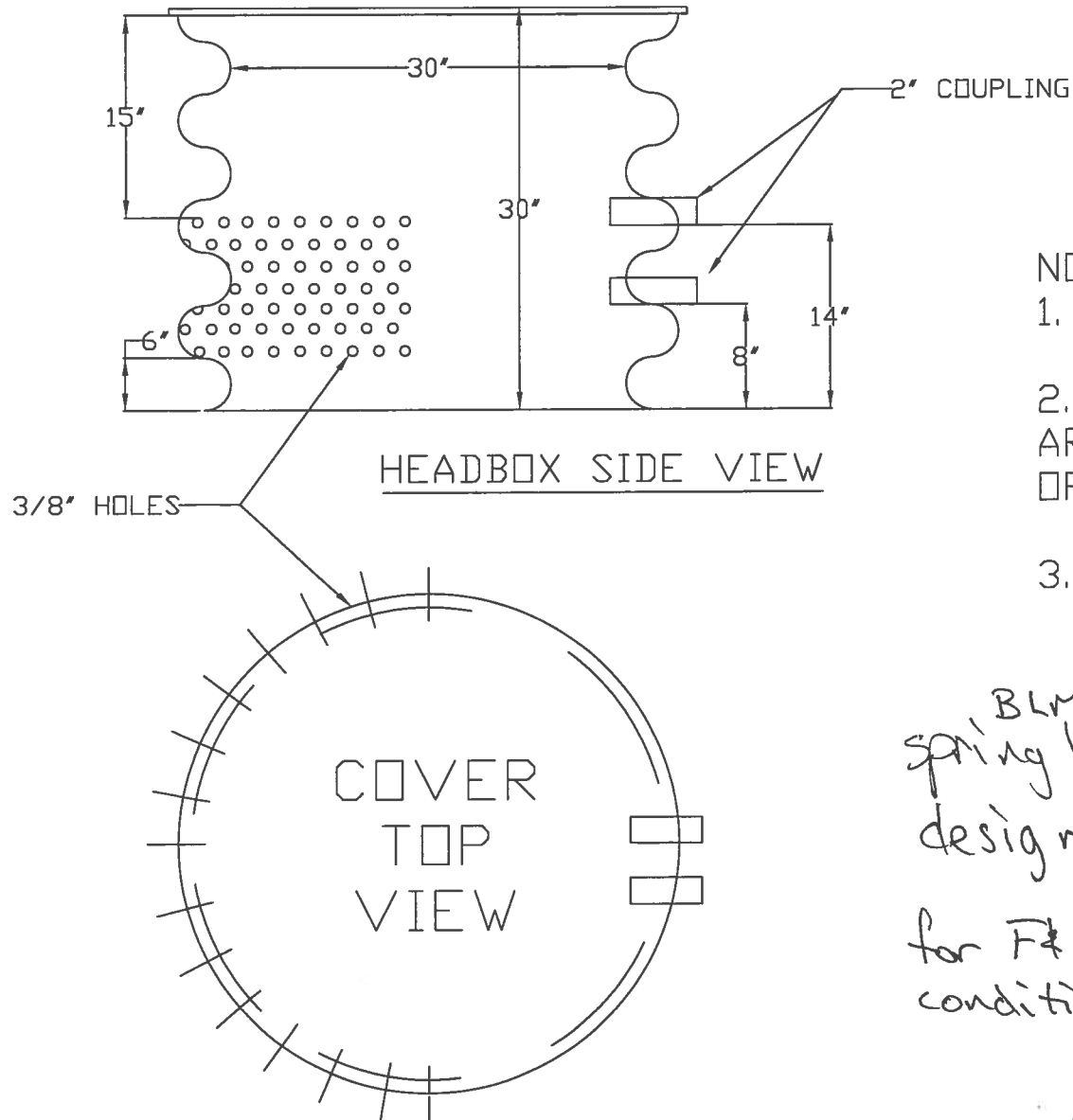
74-15733 Having looked at aerial photos and following the water course, the water from this spring source does not get diverted to private land. It eventually subs into the soil after running intermittently on the surface.

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

SPRING HEADBOX & COVER DIAGRAM

RECEIVED
FEB 19 2014
DEPARTMENT OF
WATER RESOURCES



NOTE:

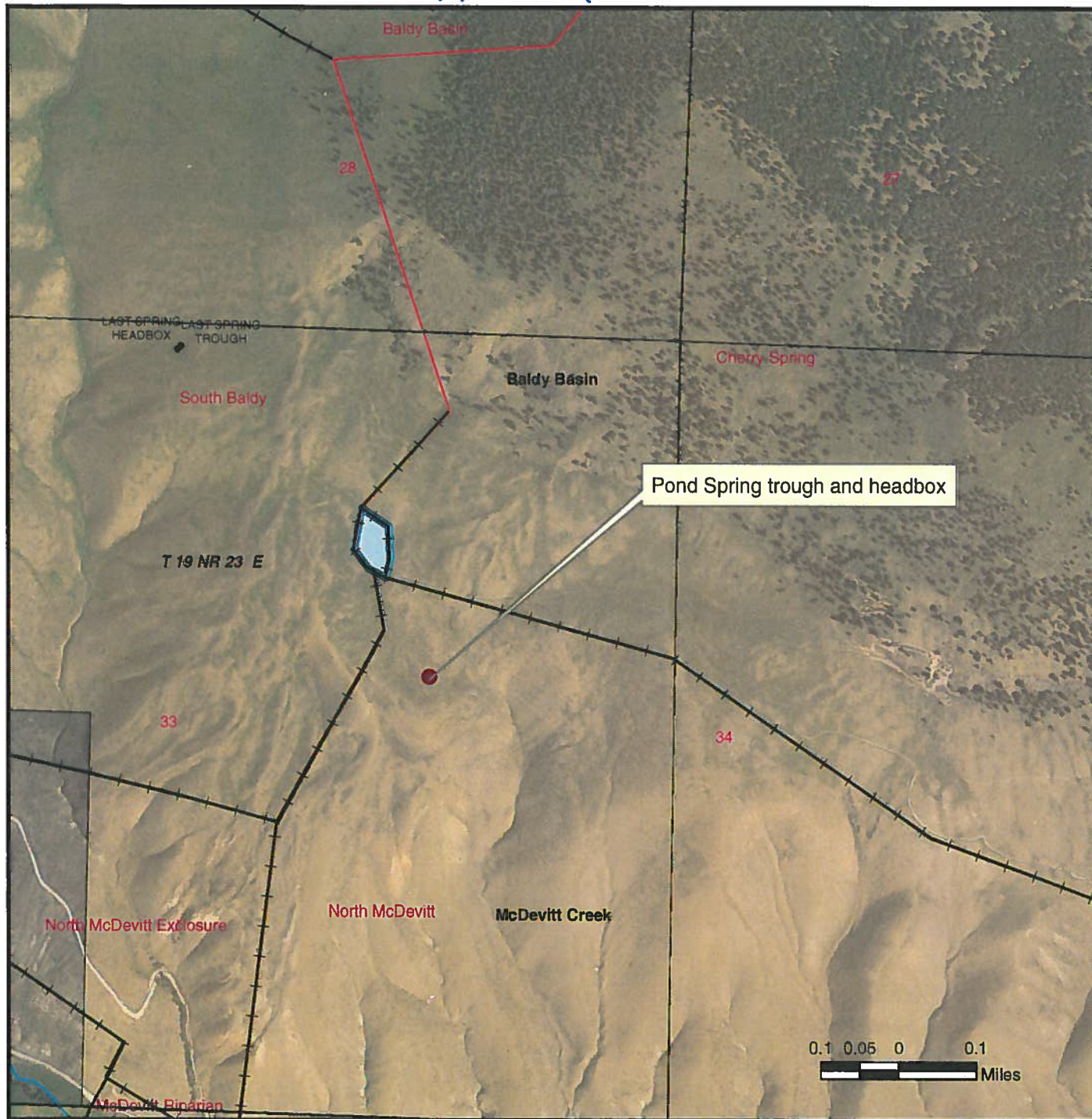
1. 12 GAUGE ALUMINUM
2. HOLES EXTEND HALFWAY AROUND CYLINDER CENTERED OPPOSITE GALV COUPLINGS
3. 1" LIP DOWN ON COVER

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 _____	SCALE NONE
REVIEWED _____	
APPROVED _____	
DRAWN TRACEY BAJT	
DATE 5/2/03	SHEET 1 OF 1
DRAWING NO. _____	

Pond Spring trough/headbox 74-15617



Legend

- MAJOR ROADS
- ROADS
- TOWNSHIPS
- SECTIONS

IDAHO SURFACE MGMT AGENCY

OWNER_TYPE

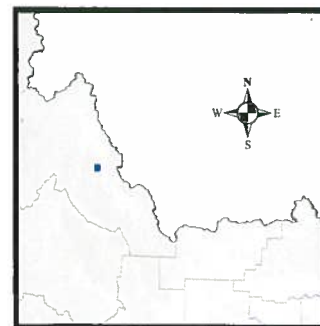
- BLM
- PRIVATE
- STATE
- USFS

This map depicts the McDevitt Creek Allotment within the Salmon Field Office, BLM. This project contains the headbox and 1 trough location for Pond Spring.

The sources of the data are from Idaho-BLM Corporate data.

Datum: NAD 83, UTM Zone 12 N
No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Map Created by Wendy Hoffman
10/29/13



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.

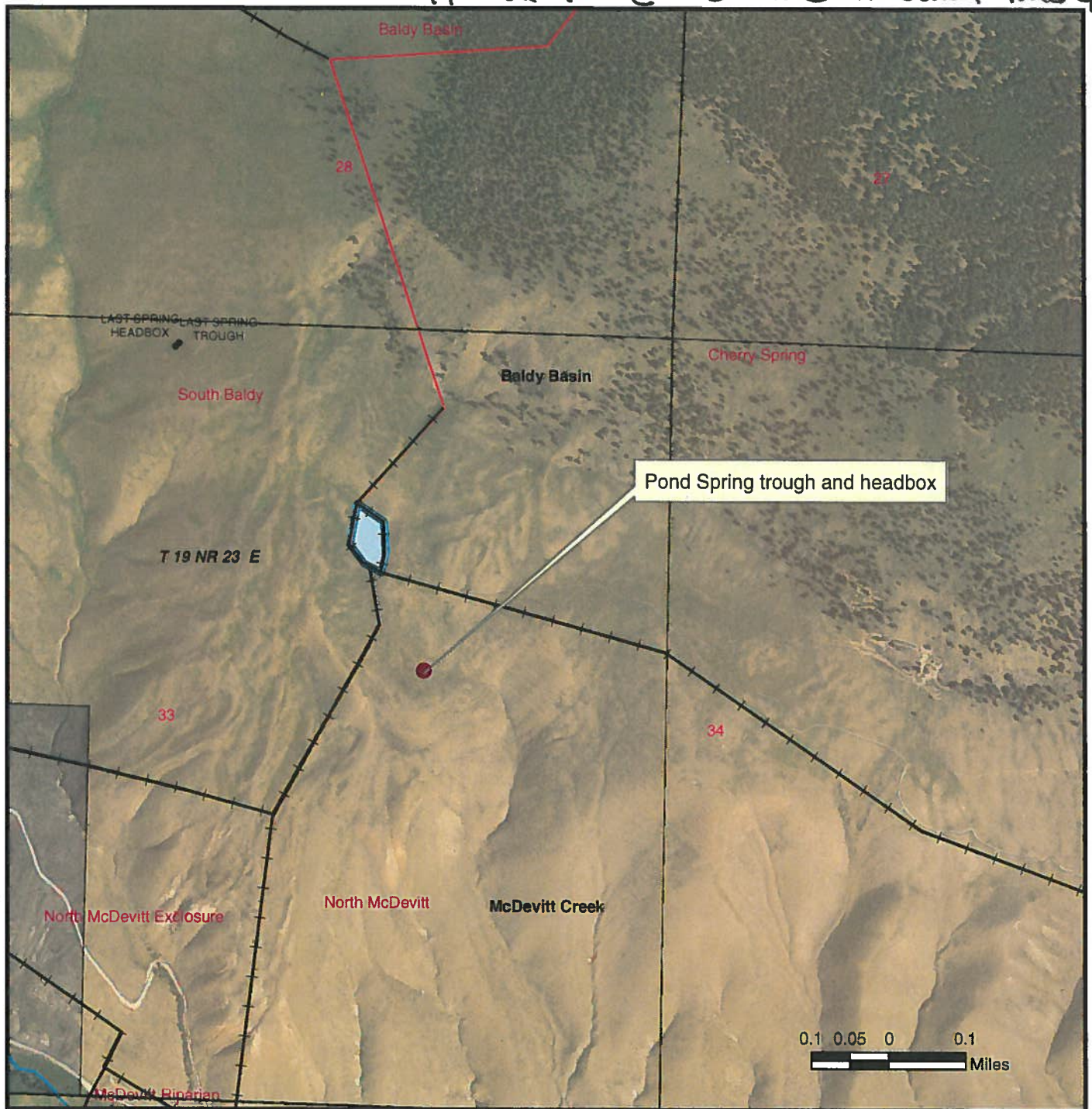
74-15617, McDevitt Pond Spring, is simply Pond Spring

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

Pond Spring trough/headbox 74-15617 (was called McDevitt Pond sp)



Legend

- MAJOR ROADS
- ROADS
- TOWNSHIPS
- SECTIONS

IDAHO SURFACE MGMT AGENCY OWNER_TYPE

- BLM
- PRIVATE
- STATE
- USFS

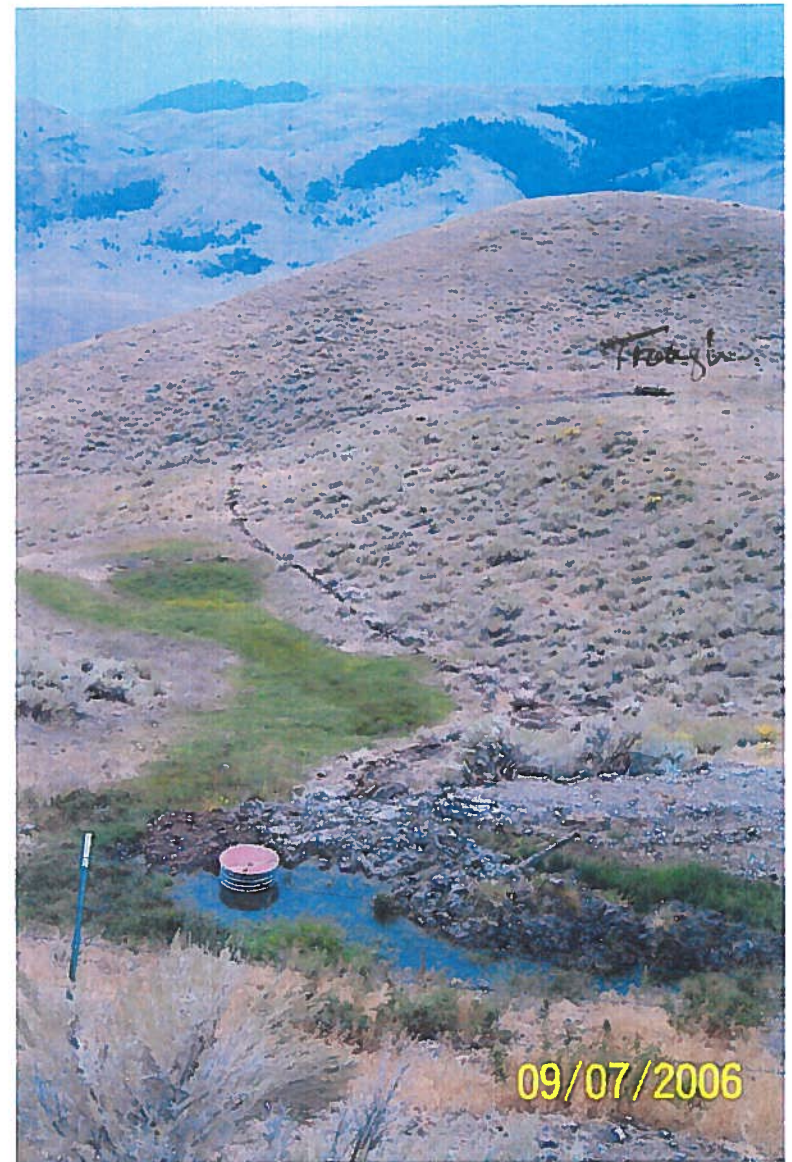
This map depicts the McDevitt Creek Allotment within the Salmon Field Office, BLM. This project contains the headbox and 1 trough location for Pond Spring.

The sources of the data are from Idaho-BLM Corporate data.

Datum: NAD 83, UTM Zone 12 N
No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Map Created by Wendy Hoffman
10/29/13





Pond Spring -
74-15617