

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

A. GENERAL INFORMATIONPermit No: 73-12040

Exam Date: 07/17/12

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? X Y N
- Irrigation of 5 acres or less
 - Storage of up to 14.6 AF for stockwater purposes only
 - Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 - Other < >

2. Current Owner: Name: Bureau of Land Management
Owner of Record Correct? X Y N
Address of Record Correct? Y X N
If No: Address

Salmon Office: 1206 South Challis St. Salmon, ID 83467

3. Beneficial Use Fees have been paid: X Y N Receipt No: C086287

4. **SOURCE** **TRIBUTARY**
Burnt Creek Pahsimeroi River
Method of Determination: Photos provided by permit holder.
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: 73-11574 and 73-11582 are for instream stockwater use.

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

Water Right No.	Source	Purpose of Use	Basis

Comments:

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

Source	Govt. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.		County
Burnt Creek			NW	NW	20	10N	24E	B.M.	Custer
								B.M.	
								B.M.	

Method of Determination: Photos and GPS of head box and spring provided by permit holder.

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

2. **PLACE OF USE:** Use: Stock and Wildlife

TWP	RGE	Sec	NE				NW				SW				SE				Totals	
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE		
10N	24E	8										X								
		Lot #																		
10N	24E	17											X	X						
		Lot #																		
																Total Acres =				

Method of Determination: GIS imagery found troughs. Photos provided by permit holder.

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 300 head.

Permit allowed = 0.02 cfs

License recommend for 0.02 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

$$V = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$ _____

I.B.

D.R.

I.R.

D.R.

2. Volume Calculations for Other Uses:

Per Application Processing Memo #3 – 201-300 head, 4.1 afa

License recommend for 4.1 afa.

G. PURPOSE OF USE

Irrigation _____N # Stock 300 cattle _____ Domestic # of Homes _____

Other: Wildlife

Change in Purpose of Use? ____Y __X__N

Method of Determination: Troughs visible on GIS Imagery. Photos provided by permittee

If Yes: From Use _____To Use _____Amount _____CFS _____AFA _____

H. NARRATIVE/REMARKS/COMMENTS

Wild and Scenic – Salmon River except for Middle Fork

Fish Screening – pictures of hydroscreen provided by permittee.

Known as Squaw Creek Pipeline

Water delivery system established in accordance with this notice shall be fully enclosed and shall be equipped with an automatic shutoff valve or a mechanism for returning unused water to the source through an enclosed system. See pictures of trough float shut-off valves provided by permittee.

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	4.1 AF
Wildlife	01/01 to 12/31	0.02 CFS	4.1 AF
<u>Totals:</u>		0.02 CFS	4.1 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 __X__Add P.U. as reflected above ____None

Other: AMENDMENT to BLM 06/13/13

J. AUTHENTICATION

Field Examiner's Name Danielle B. [Signature] Date 06/13/13

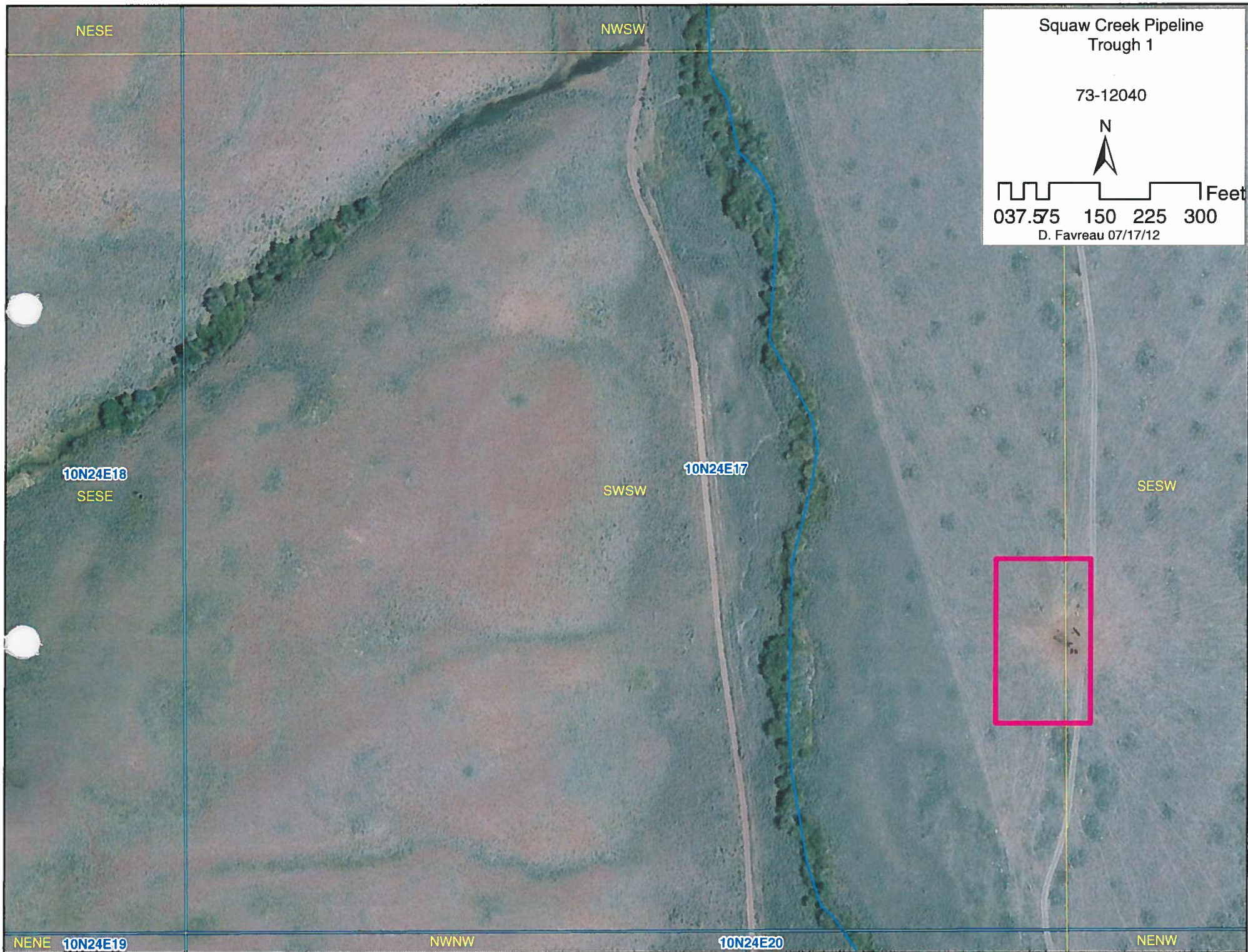
Reviewer _____ Date _____

POD

Basin	Sequence	Suffix	Version Number	Process	Basis	Status	Draft	RightID	Priority Date	Diversion Rate	Source List	Water Use List	Current Owner
73	12040			Water Permit		Active	N	590146	3/29/2005	0.02	BURNT CREEK	STOCKWATER, WILDLIFE	US DEPT OF INTERIOR
				Other Owner	Leased to Water Application II	Approval Dat	Total Acre	Acre Limit	Volume		Water District		
				No		6/9/2005					73 - Pahsimeroi River		

Type	WR #	Owner	Source	TRS	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total
Right	73 11574	UNITED STATES OF AMERICA AC	BURNT CREEK	10N24E8					X	X	X			X	X						0
Right	73 11584	UNITED STATES OF AMERICA AC	UNNAMED STREAM	10N24E8											X						0
Permit	73 12040	US DEPT OF INTERIOR,	BURNT CREEK	10N24E8			X														0
Permit	73 12040	US DEPT OF INTERIOR,	BURNT CREEK	10N24E8			X														0

Type	WR #	Owner	Source	TRS	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total
Right	73 10696	UNITED STATES OF AMERICA AC	SPRING	10N24E17				X													0
Right	73 11574	UNITED STATES OF AMERICA AC	BURNT CREEK	10N24E17						X	X			X	X						0
Right	73 11582	UNITED STATES OF AMERICA AC	UNNAMED STREAM	10N24E17											X						0
Permit	73 12040	US DEPT OF INTERIOR,	BURNT CREEK	10N24E17											X						0
Permit	73 12040	US DEPT OF INTERIOR,	BURNT CREEK	10N24E17											X						0



Squaw Creek Pipeline
Trough 2?

73-12040



0 55 110 220 330 440 Feet

D. Favreau 07/17/12

SENW

SWNE

SENE

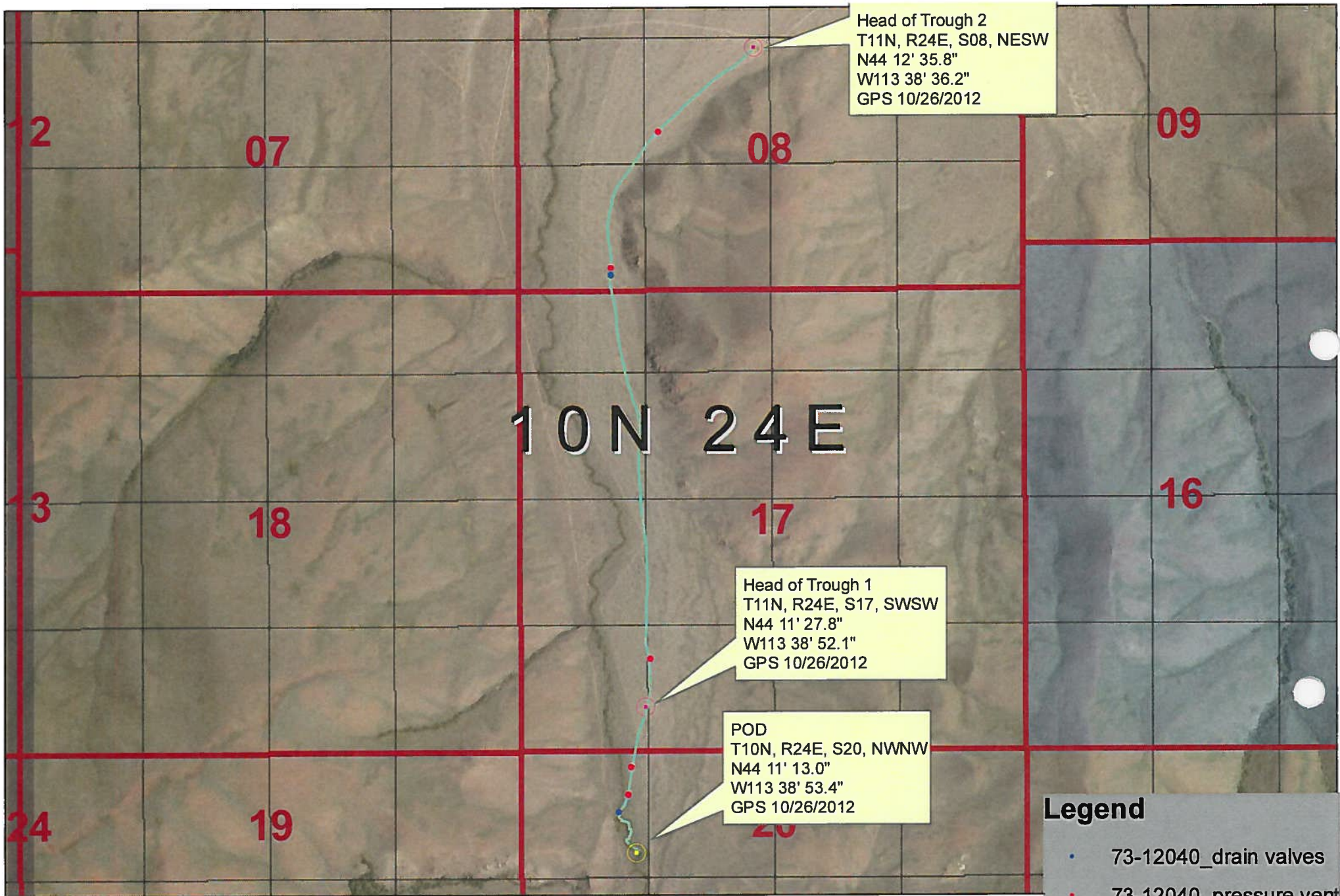
10N24E8

NESW

NWSE

NESE





73-12040 Squaw Creek Pipeline

Legend

- 73-12040_drain valves
- 73-12040_pressure vent
- 73-12040_Trough
- 73-12040_POD
- 73-12040_Pipeline

73-12040, Squaw Creek Pipeline Photo Key

Picture #1:
Picture marking beginning of project.

Picture #2:
T10N, R24E, S08, NESW
N44.21 W113.6434
Head of Trough #2.

Picture #3:
T10N, R24E, S08, NESW
N44.21 W113.6434
Float and bird ladder.

Picture #4:
T10N, R24E, S08, NESW
N44.21 W113.6434
Foot of trough #2.

Picture #5:
T10N, R24E, S08, NESW
N44.21 W113.6434
Trough #2 to where pipeline meets road. Brandon is standing where pipeline meets road.

Picture #6:
T10N, R24E, S08, NESW
N44.2076 W113.6472
Pressure Vent #5 back toward Trough #2.

Picture #7:
T10N, R24E, S08, SWSW
44.2037 W113.6491
Pressure Vent #4 along pipeline toward Drain Valve #2, where Brandon is standing.

Picture #8:
T10N, R24E, S08, SWSW
N44.2035 W113.6491
Drain Valve #2 on metal pipe (≈18' of exposed pipe).

Picture #9:
T10N, R24E, S17, SESW
N44.1925 W113.6476
Pressure Vent #3 looking toward Trough #1 up pipeline.

Picture #10:
T10N, R24E, S17, SWSW
N44.1911 W113.6478
Head of Trough #1.

Picture #11:
T10N, R24E, S17, SWSW
N44.1911 W113.6478
Side of Trough #1 looking to where pipeline leaves road. Pipeline leaves road near passenger side front tire of vehicle.

Picture #12:
T10N, R24E, S17, SWSW
N44.1911 W113.6478
Side of Trough #1 looking up pipeline. Brandon standing in pipeline trench.

Picture #13:
T10N, R24E, S20, NWNW
N44.1894 W113.6484
Along pipeline from Pressure Vent #2 toward trough #1. Trough #1

Picture #14:
T10N, R24E, S20, NWNW
N44.1894 W113.6484
Pressure Vent #2 looking along pipeline toward POD. Trench visible.

Picture #15:
T10N, R24E, S20, NWNW
N44.1886 W113.6485
Pressure Vent #1 along pipeline toward POD.

Picture #16:
T10N, R24E, S20, NWNW
N44.1869 W113.6482
POD from upstream looking down stream. Two metal rods driven into opposite sides of screen. Bank used to secure Hydro Screen laying on bank.

Picture #17:
T10N, R24E, S20, NWNW
N44.1869 W113.6482
Hydro Screen laying on bank looking up stream toward metal posts.

Picture #18:
T10N, R24E, S20, NWNW
N44.1869 W113.6482
Inside end of Hydro Screen.

Picture #19:
T10N, R24E, S20, NWNW
N44.1869 W113.6482
From across Squaw Creek toward Hydro Screen on bank.

Picture #20:
T10N, R24E, S20, NWNW
N44.1869 W113.6482
From POD looking down pipeline/canyon

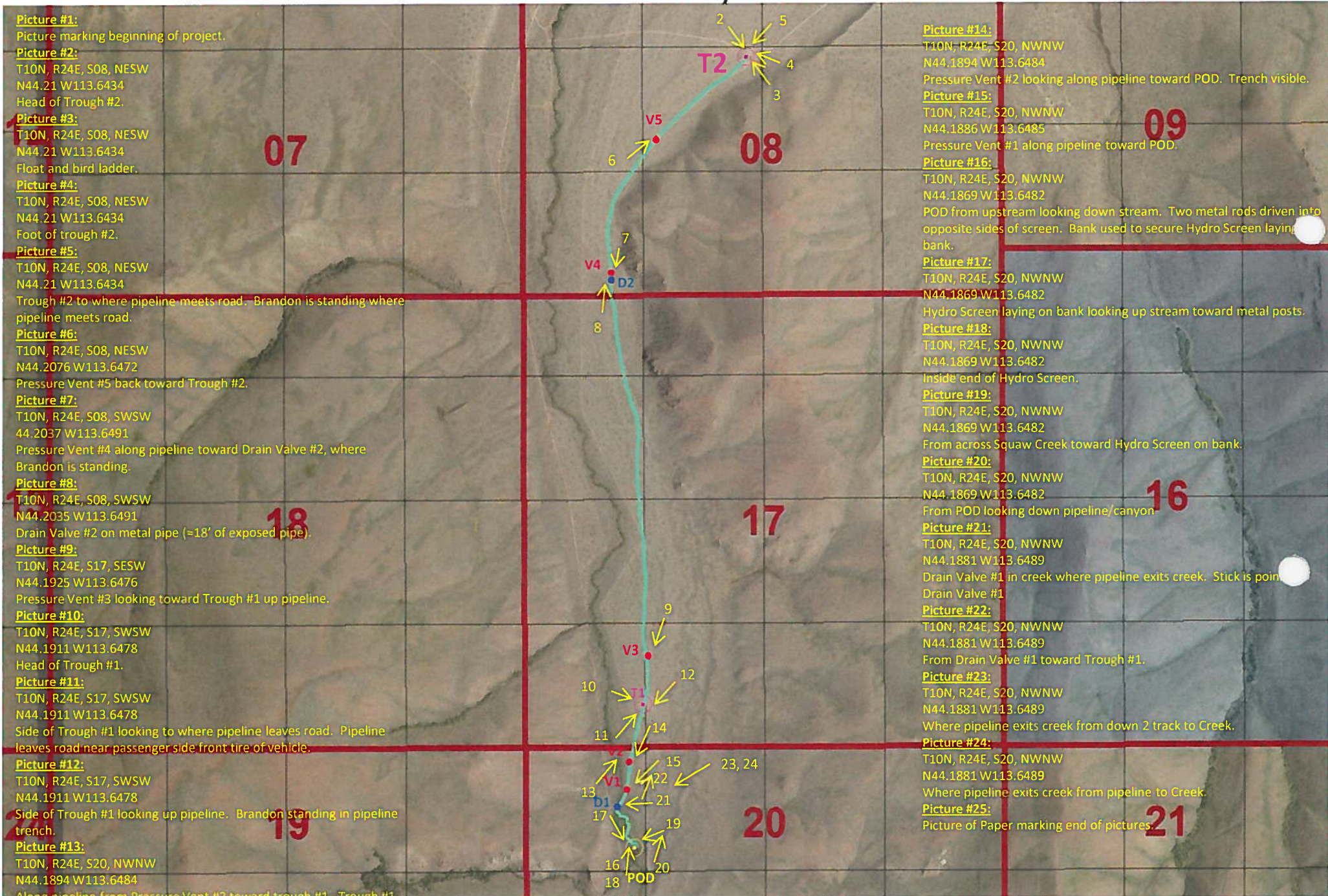
Picture #21:
T10N, R24E, S20, NWNW
N44.1881 W113.6489
Drain Valve #1 in creek where pipeline exits creek. Stick is point.

Picture #22:
T10N, R24E, S20, NWNW
N44.1881 W113.6489
From Drain Valve #1 toward Trough #1.

Picture #23:
T10N, R24E, S20, NWNW
N44.1881 W113.6489
Where pipeline exits creek from down 2 track to Creek.

Picture #24:
T10N, R24E, S20, NWNW
N44.1881 W113.6489
Where pipeline exits creek from pipeline to Creek.

Picture #25:
Picture of Paper marking end of pictures.





POD, Bert Creek
T11N, R24E, S20, NWNW
★ N44.1869 W113.6482 (GPS)

POD from upstream looking down stream. Two metal rods driven into opposite sides of screen. Bank used to secure Hydro Screen laying on bank.



POD, Bert Creek
T11N, R24E, S20, NWNW
★ N44.1869 W113.6482 (GPS)

Hydro Screen laying on bank looking up stream toward metal posts.

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Squaw Creek Pipeline
Project #362011

Picture #18
10/26/2012

Pipeline

Hydro Screen

Cables that
connect to
Stabilizing Rods

POD, Bert Creek
T11N, R24E, S20, NWNW
★ N44.1869 W113.6482 (GPS)

Inside end of
Hydro Screen.



73-12040

Squaw Creek Pipeline
Project #362011

Picture #19
10/26/2012



Hydro Screen

Pipeline

From across
Squaw Creek
toward Hydro
Screen on bank.
Across the Creek
is a hill side with
a rock pile on tip
with a big brush
on it.

POD, Bert Creek
T11N, R24E, S20, NWNW
★ N44.1869 W113.6482 (GPS)



POD, Bert Creek
T11N, R24E, S20, NWNW
★N44.1869 W113.6482 (GPS)

From POD looking down pipeline/canyon.

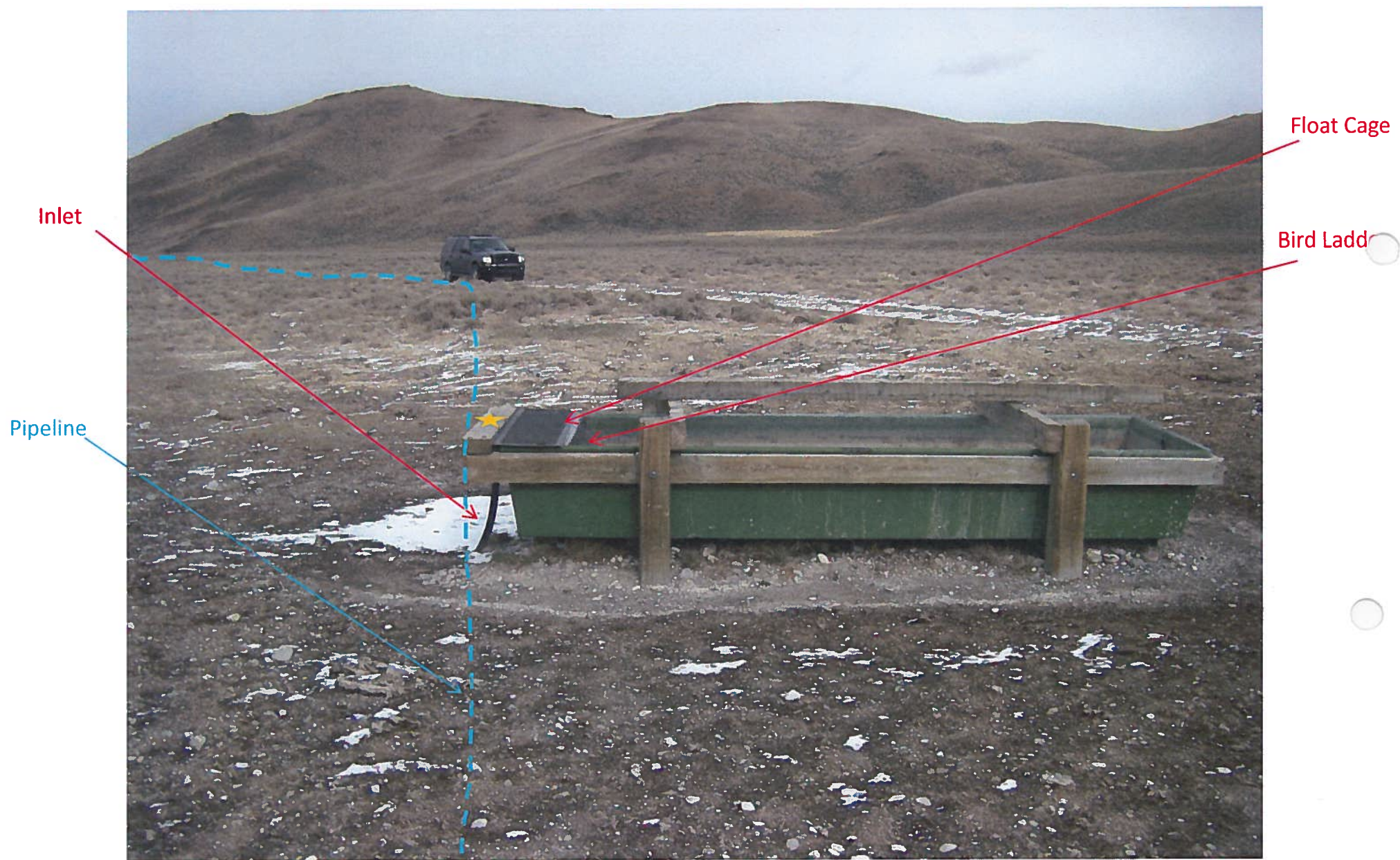


Float Cage

Inlet

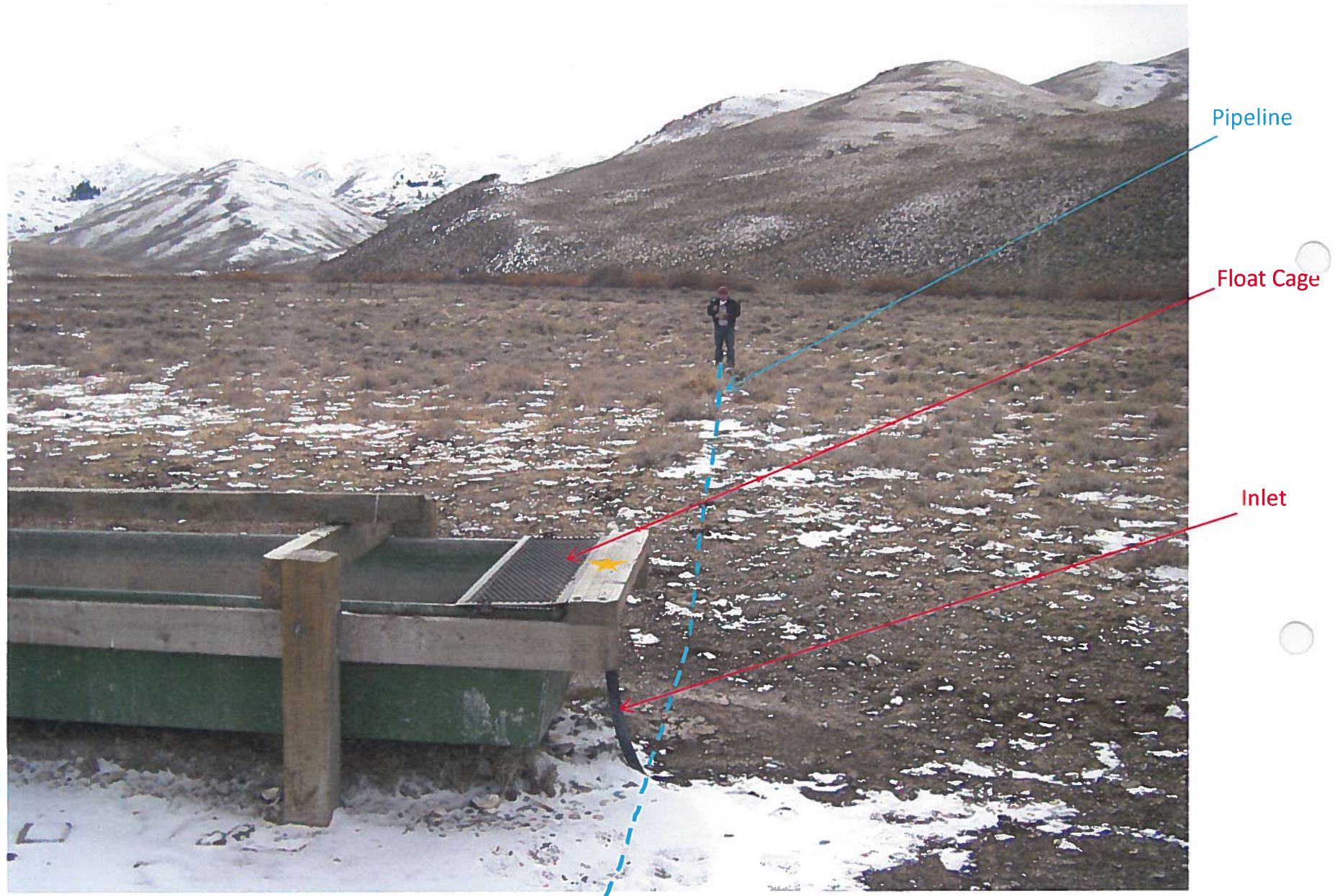
Trough #1
T11N, R24E, S17, SWSW
★ N44.1911 W113.6478 (GPS)

Head of Trough #1



Trough #1
T11N, R24E, S17, SWSW
★N44.1911 W113.6478 (GPS)

Side of Trough #1 looking to where pipeline leaves road.
Pipeline leaves road near passenger side front tire of vehicle.



Trough #1
T11N, R24E, S17, SWSW
★ N44.1911 W113.6478 (GPS)

Picture from side of Trough #1 looking up pipeline. Brandon standing in pipeline trench.

73-12040

Truck parked on 2 track.

Proof of
Wildlife use

Bird Ladder

Float Cage

Inlet



Trough #2
T11N, R24E, S08, NESW
★ N44.21 W113.6434 (GPS)

Head of Trough #2.



Trough #2
T11N, R24E, S08, NESW
★ N44.21 W113.6434 (GPS)

Float and bird ladder



Float Cage

Trough #2
T11N, R24E, S08, NESW
★N44.21 W113.6434 (GPS)

Foot of Trough #2.



Trough #2
T11N, R24E, S08, NESW
★ N44.21 W113.6434 (GPS)

From Trough #2 to where pipeline meets road. Brandon is standing where pipeline meets road.



Drain Valve #1
T11N, R24E, S20, NWNW
★ N44.1881 W113.6489 (GPS)

Drain Valve #1 in creek where pipeline exits creek. Pipeline stays in creek until it reaches POD. Stick is pointing at Drain Valve #1.



Drain Valve #1
T11N, R24E, S20, NWNW
★ N44.1881 W113.6489 (GPS)

From Drain Valve #1 toward Trough #1.





Pipeline

Drain Valve #1
T11N, R24E, S20, NWNW
★N44.1881 W113.6489 (GPS)

Where pipeline exits creek from down 2 track to Creek.
Brandon is standing where the pipeline exits the Creek.



Drain Valve #1
T11N, R24E, S20, NWNW
★N44.1881 W113.6489 (GPS)

From down pipeline. Brandon standing where pipeline exits creek. In upper left of picture is a hill with rocky top with brush on top. Below which is Hydro Screen.

73-12040

Squaw Creek Pipeline
Project #362011

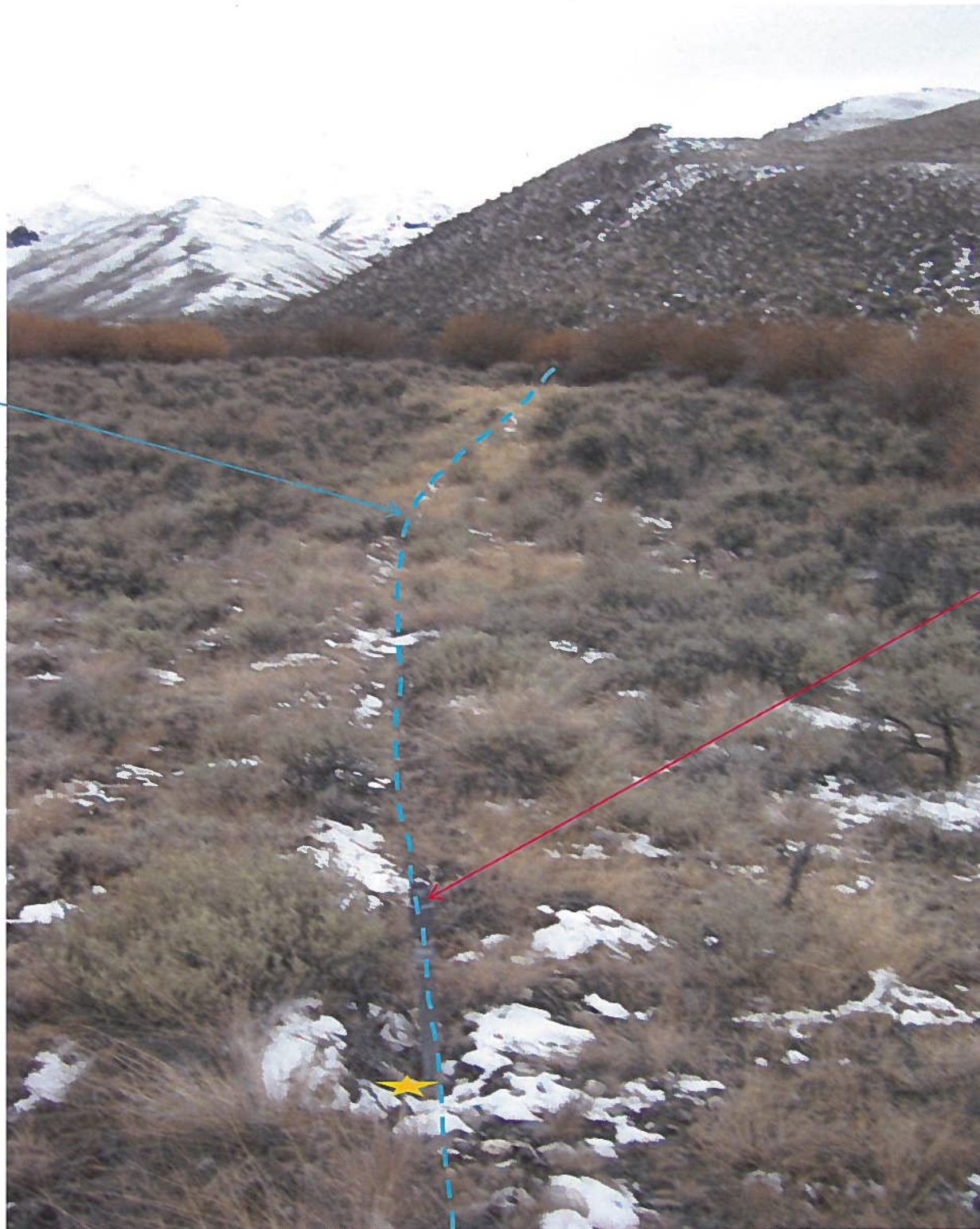
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10/26/2012

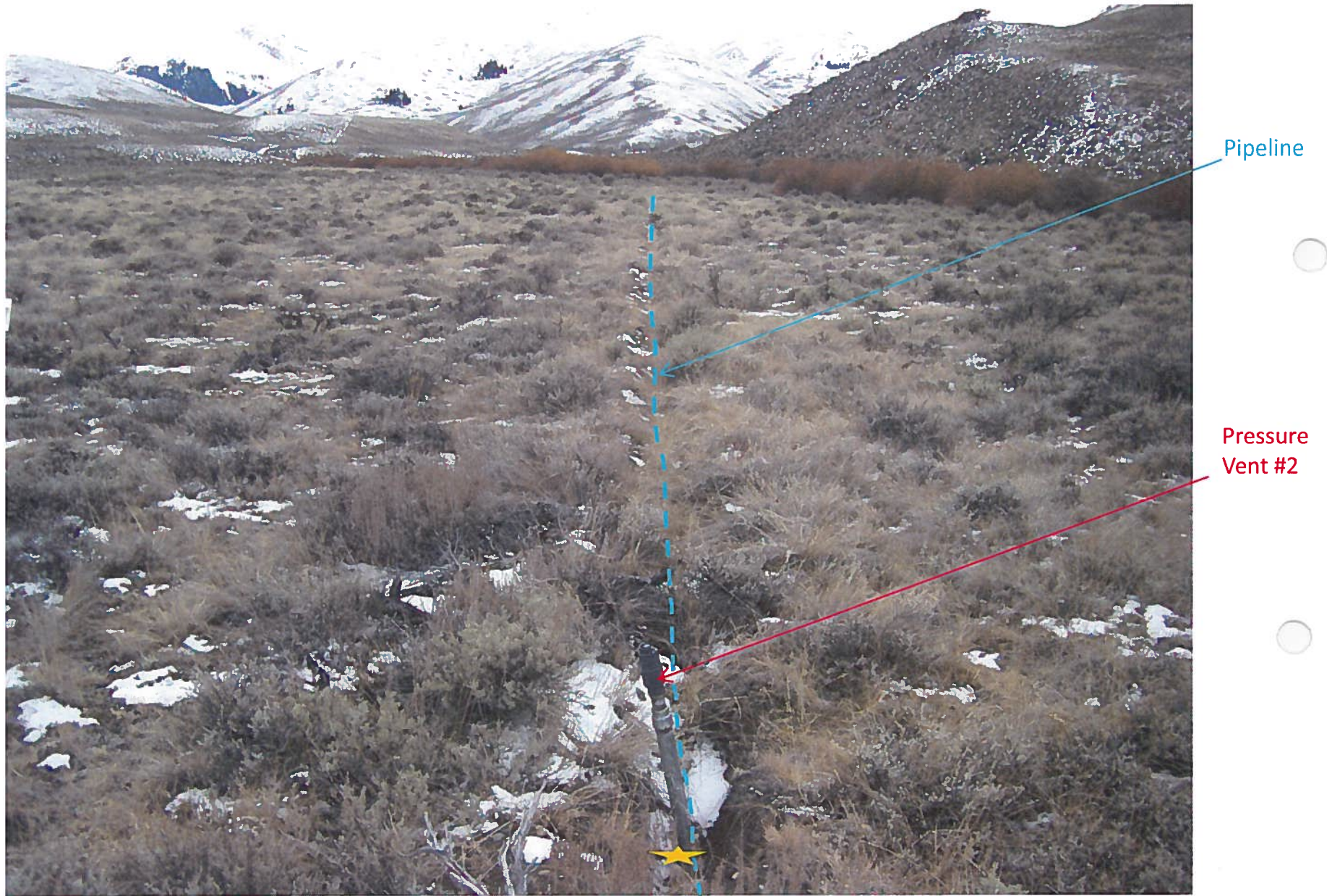
Pipeline

Pressure Vent #1

Pressure Vent #1
T11N, R24E, S20, NWNW
★N44.1886 W113.6485 (GPS)

From Pressure
Vent #1 along
pipeline toward
POD.





Pressure Vent #2
T11N, R24E, S20, NWNW
★N44.1894 W113.6484 (GPS)

Pressure Vent #2 looking along pipeline toward POD.
Trench visible in picture.

73-12040

Squaw Creek Pipeline
Project #362011

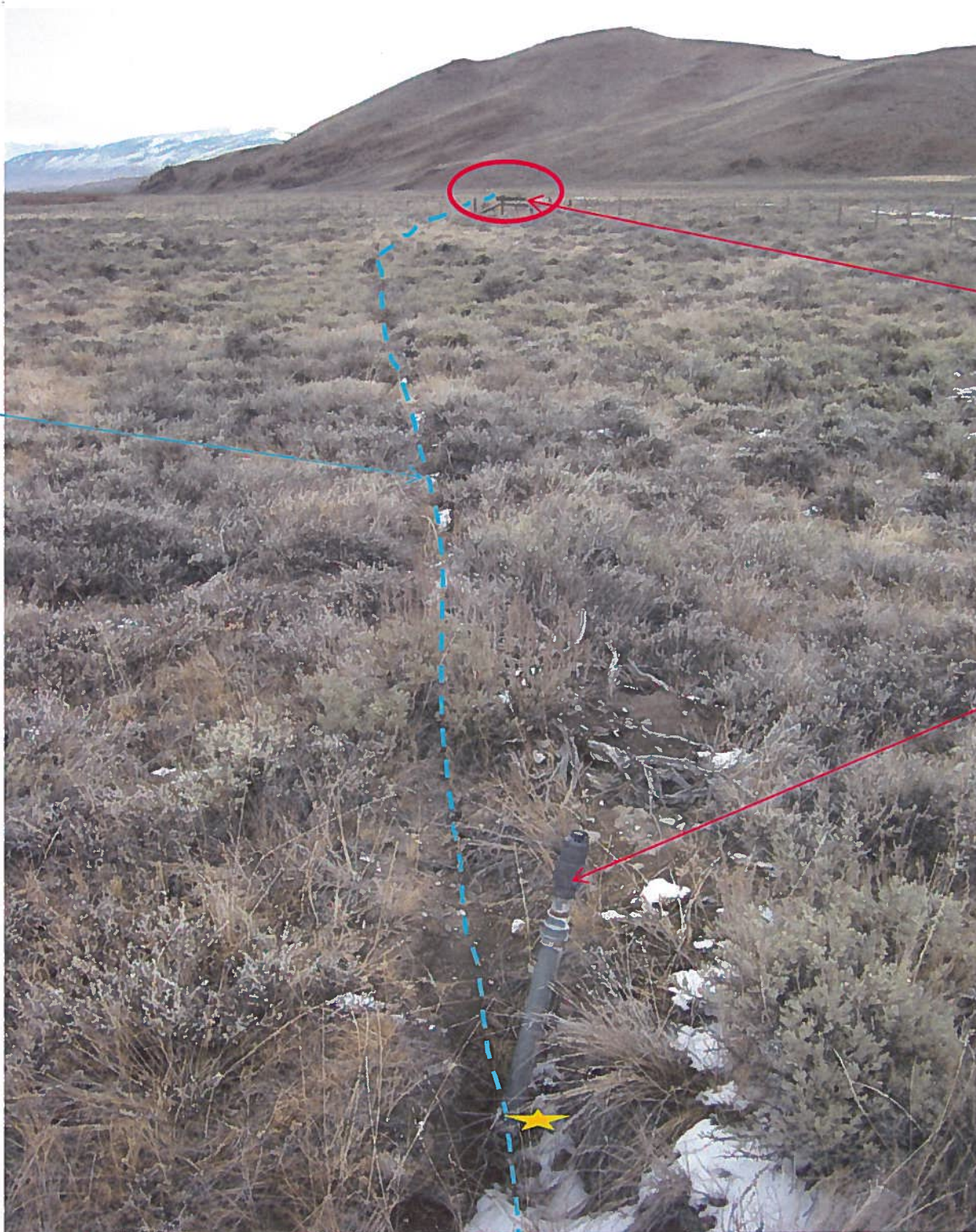
Picture #13
10/26/2012

Pipeline

Trough #2

Pressure Vent #2

Pressure Vent #2
T11N, R24E, S20, NWNW
★N44.1894 W113.6484 (GPS)



Along pipeline
from Pressure
Vent #2 toward
Trough #1.
Trough #1 visible
in pic.

Pipeline

Trough #1

Pressure
Valve #3



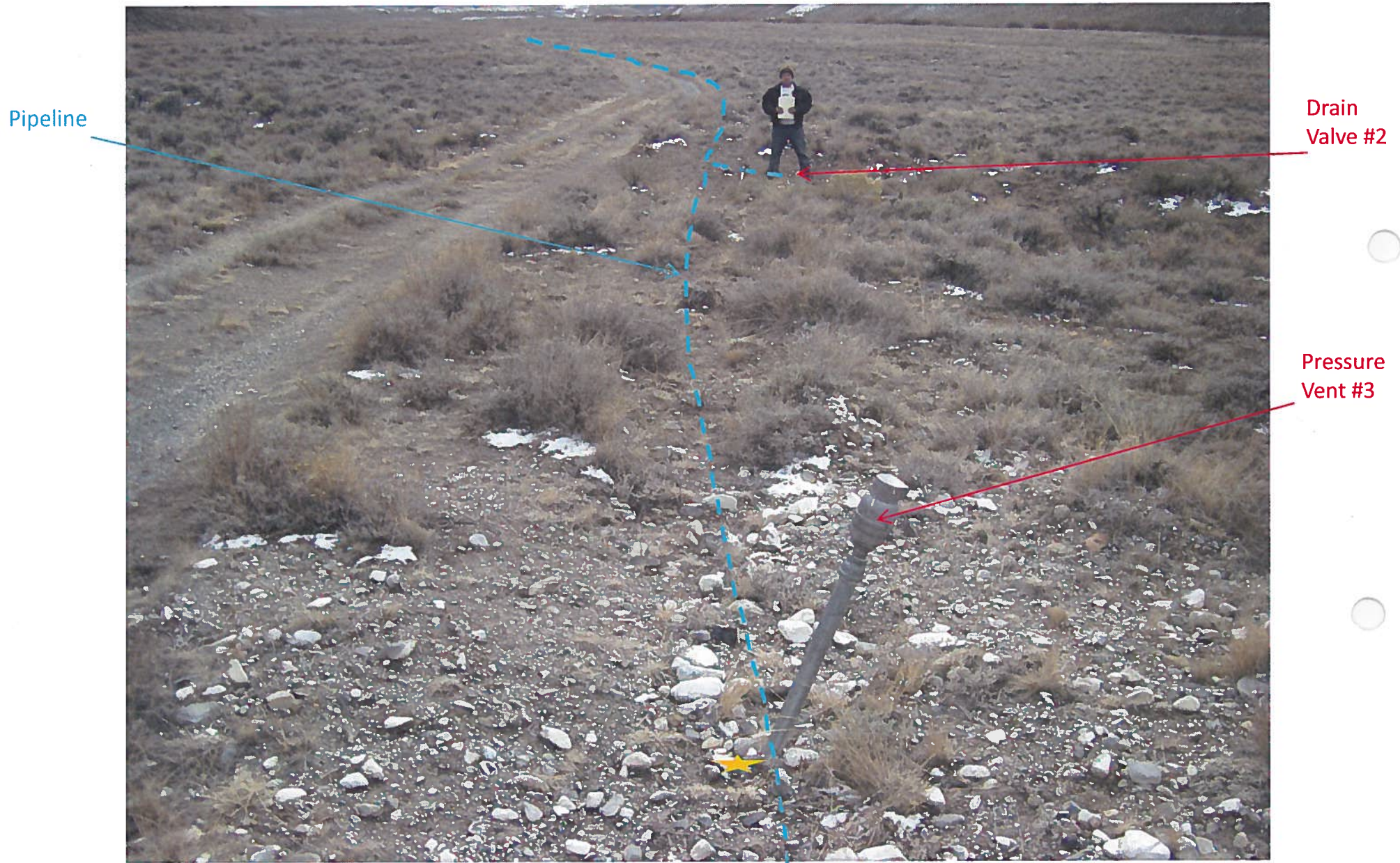
Pressure Vent #3
T11N, R24E, S17, SESW
★N44.1925 W113.6476 (GPS)

Picture of Pressure Vent #3 looking toward Trough #1 up
pipeline.



Drain Valve #2
T11N, R24E, S08, SWSW
★N44.2035 W113.6491 (GPS)

Drain Valve #2 on metal pipe (≈18' of exposed pipe).



Pressure Vent #4
T11N, R24E, S08, SWSW
★N44.2037 W113.6491 (GPS)

Pressure Vent #4 along pipeline toward Drain
Valve #2, where Brandon is standing.



Pressure Vent #5
T11N, R24E, S08, NESW
★N44.2076 W113.6472 (GPS)

From Pressure Vent #5 back toward Trough #2.

Page 1

State of Idaho
Department of Water Resources
Permit to Appropriate Water

NO. 73-12040

Priority: March 29, 2005

Maximum Diversion Rate: 0.02 CFS

This is to certify, that US DEPT OF INTERIOR
BUREAU OF LAND MANAGEMENT
SALMON DISTRICT
50 HWY 93 S
SALMON ID 83467

has applied for a permit to appropriate water from:

Source: BURNT CREEK

Tributary: PAHSIMEROI RIVER

and a permit is APPROVED for development of water as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>
STOCKWATER	01/01 to 12/31	0.02 CFS
WILDLIFE	01/01 to 12/31	0.02 CFS

It appears that the POU in S08 was transposed to SWNE (incorrect), it should be described in the NESW (correct). This clerical error appears to have been introduced in the Application for permit.

LOCATION OF POINT(S) OF DIVERSION:BURNT CREEK SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 20, Twp 10N, Rge 24E, B.M. CUSTER CountyPLACE OF USE: STOCKWATER & WILDLIFE

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
10N 24E 8			X						X								
10N 24E 17											X						

CONDITIONS OF APPROVAL

1. Proof of application of water to beneficial use shall be submitted on or before **June 1, 2008**.
2. Subject to all prior water rights.
3. Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which the permit holder had no control.
4. Prior to the diversion and use of water under this approval, the right holder shall comply with all fish screening requirements of the Idaho Department of Fish and Game.
5. Stockwater use is for 300 range cattle.
6. 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.
7. Use of water under this right will be regulated by a watermaster with responsibility for the distribution of water among appropriators within a water district. At the time of this approval, this water right is within State Water District No. 73.

9. Description and place of use:

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

Twp.	Rge.	Sec.	NE ¼				NW ¼				SW ¼				SE ¼				Totals
			NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	
10N	24E	8			~~S+W~~						S+W								
10N	24E	17											S+W						

Total number of acres to be irrigated _____

It appears that this error was introduced in the
Application for Permit.

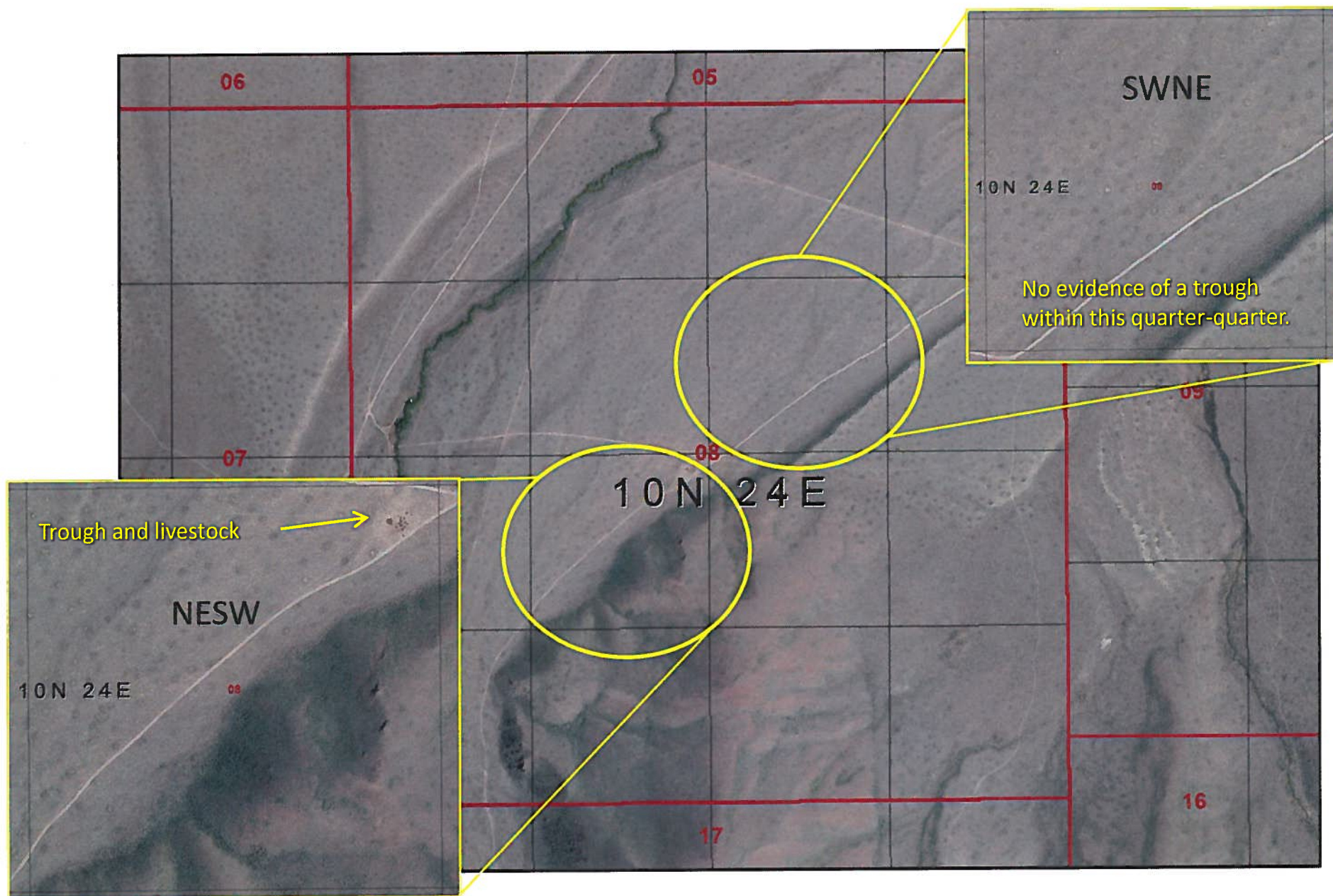
10. Describe any other water rights used for the same purposes as described above 73- 11574.
11. a. Who owns the property at the point of diversion? BLM
- b. Who owns the land to be irrigated or the place of use? BLM
- c. If property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: na
12. Remarks: Locally known as the Squaw Creek Pipeline
13. **MAP OF PROPOSED PROJECT REQUIRED** – Attach an 8 ½" x 11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. (A photocopy of a USGS 7.5 minute topographic quadrangle is preferred.)

BE IT KNOWN that the undersigned hereby makes this application for permit to appropriate the public waters of the State of Idaho as herein set forth.

Alan Bittler NRS
Signature of Applicant (and title, if applicable)

Received by: DC Date 3/29/2005
Prelim. check by DC Fee \$ 100
Receipted by DC # 8030717
Publication prepared by SC
Published in Challis messenger
Publication Approved _____

Time _____
Date 3/29/2005
Date _____
Date 4/7 & 4/14/05
Date _____



The correct location of the POU (trough) in S08 is within NESW.

73-12040

4 May 2012
Glen

102 CFS stockwater wildlife

POU

10N 24E Sec 8

Sec 17

permit 73-12025 also requesting Sec 17 SWSW
process together - wrong township

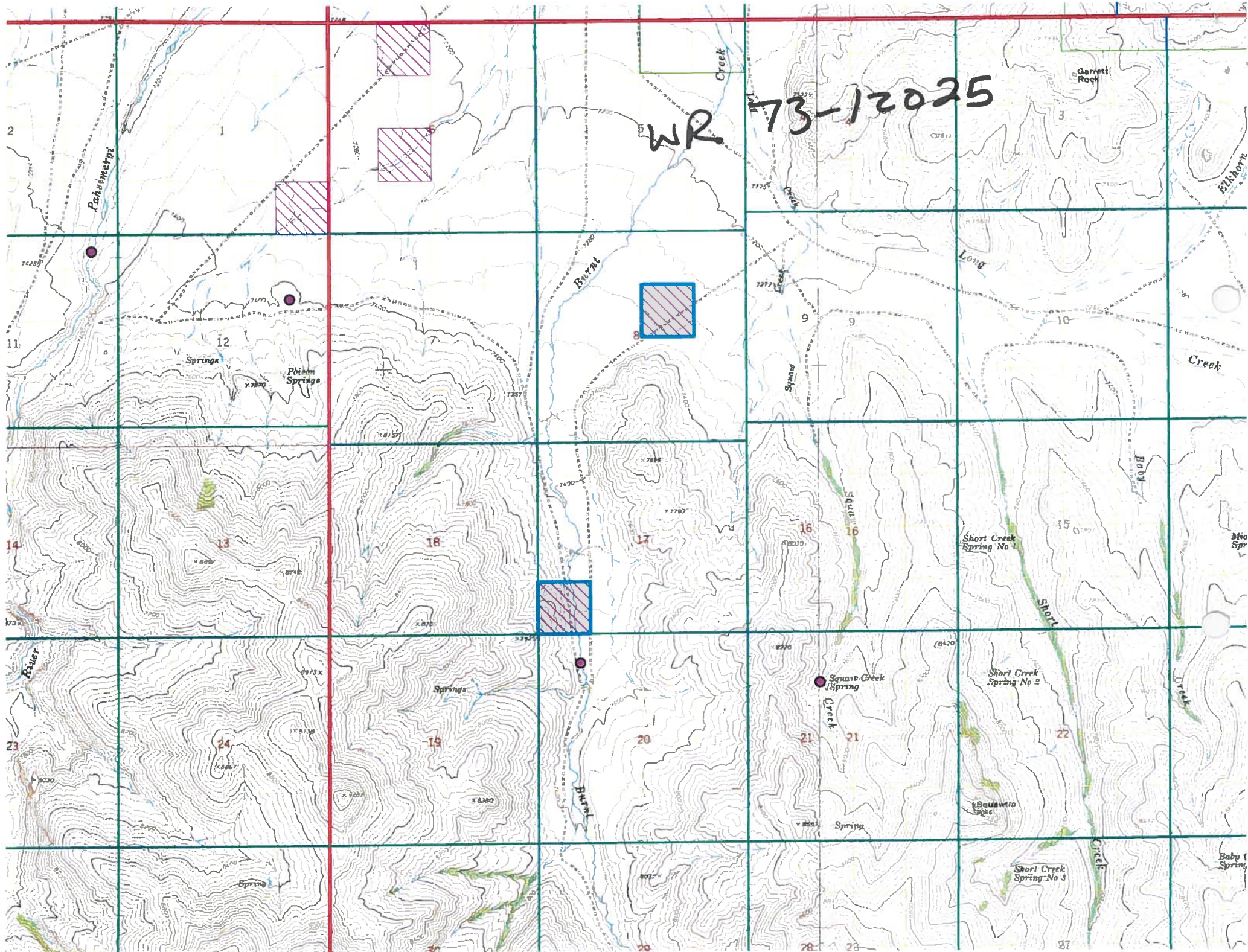
Wild & Scenic Agreement

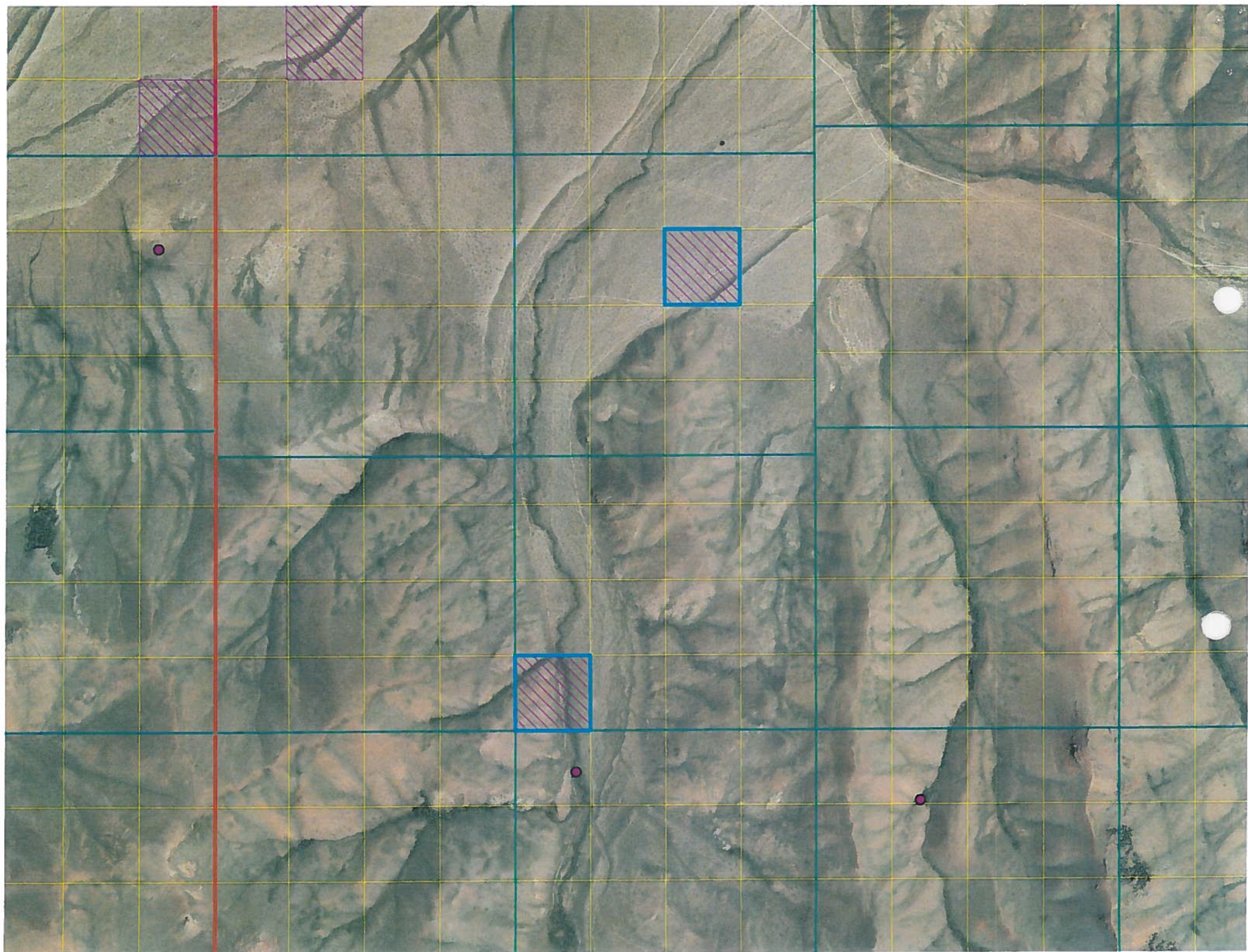
542nd allowed.

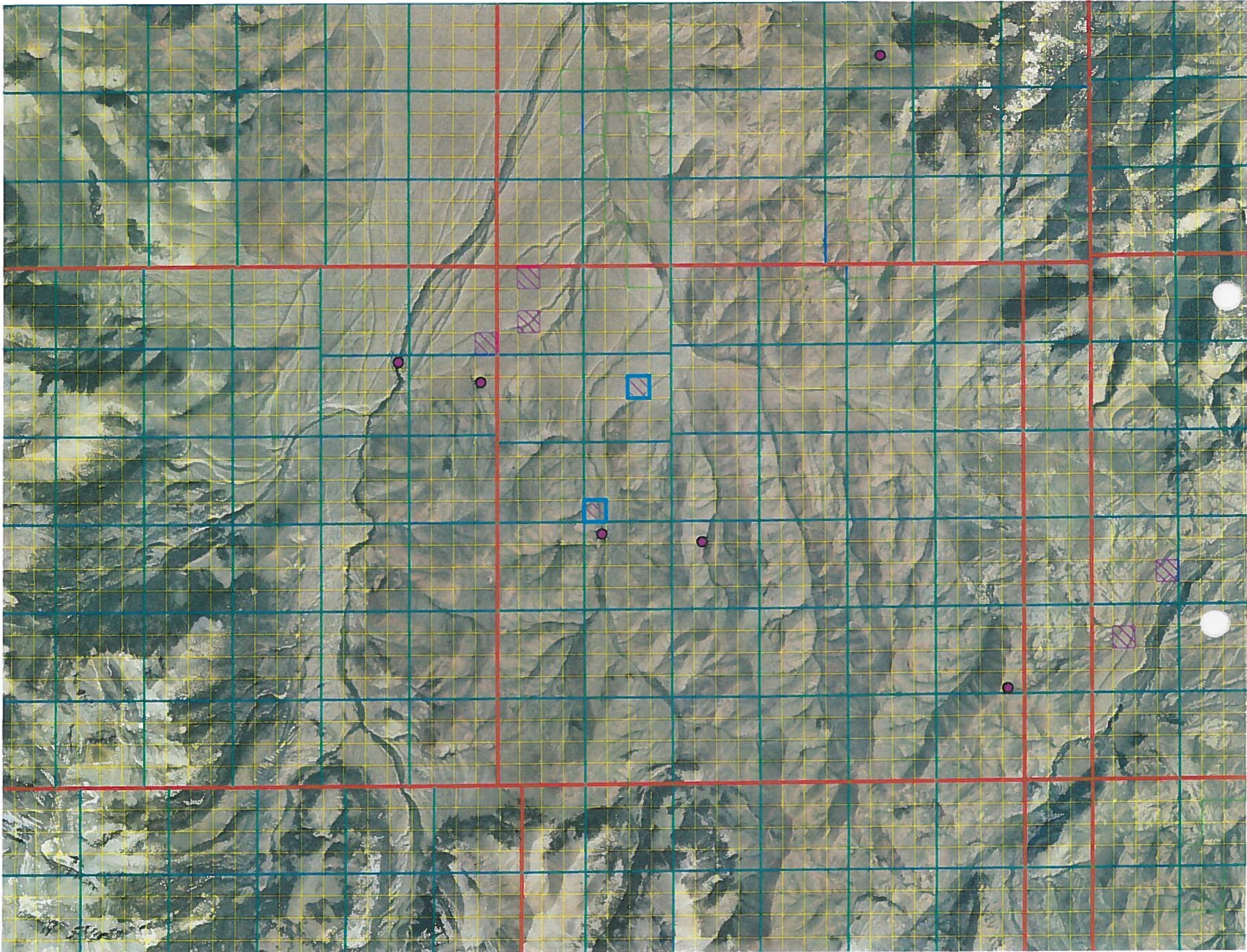
7N-11574

INSTAeam
Right

FOR
SAND
MOOD.







IDAHO DEPARTMENT OF WATER RESOURCES

Water Permit Report 73-12040

WATER RIGHT NUMBER: 73-12040

<u>Owner Type</u>	<u>Name and Address</u>
Current Owner	US DEPT OF INTERIOR BUREAU OF LAND MANAGEMENT SALMON DISTRICT 1206 S CHALLIS ST SALMON, ID 83467 (208)756-5400

Priority Date: 03/29/2005

Basis:

Status: Active

<u>Source</u>	<u>Tributary</u>
BURNT CREEK	PAHSIMEROI RIVER

<u>Beneficial Use</u>	<u>From</u> <u>To</u>	<u>Diversion Rate</u>	<u>Annual Volume</u>
STOCKWATER	01/01 to 12/31	0.020 CFS	
WILDLIFE	01/01 to 12/31	0.020 CFS	
<u>Total Diversion:</u>		0.020 CFS	

Location of Point(s) of Diversion

BURNT CREEK	SE1/4NW1/4NW1/4	Sec. 20, Twp 10N, Rge 24E, B.M.
CUSTER County		

Place of 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	
10N	24E	8			X														
10N	24E	17											X						

WILDLIFE

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
10N	24E	8			X														
10N	24E	17											X						

IDAHO DEPARTMENT OF WATER RESOURCES

Water Permit Report 73-12040

Conditions of Approval:

1. X02 Stockwater use is for 300 range cattle.
2. 26A Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which the permit holder had no control.
3. R05 Use of water under this right will be regulated by a watermaster with responsibility for the distribution of water among appropriators within a water district. At the time of this approval, this water right is within State Water District No. 73.
4. R37 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.
5. 01P Upon specific notification by the Department, the right holder shall install a lockable device of a type acceptable to the Department in a manner that will provide the watermaster suitable control of the diversion.
6. 029 Prior to the diversion and use of water under this approval, the right holder shall comply with all fish screening requirements of the Idaho Department of Fish and Game.

Remarks:

Comments:

1. skeen 6/2/2005 POD
Comment: Updated shape

Water Supply Bank:

CD

From BLM