

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 13-7572

Exam Date: 9/17/2014

1. Current Owner: HIGH DESERT ENTERPRISES LLC
2150 OLD HORNET RD
COUNCIL ID 83612
(208)599-3409

2. Accompanied by: Terry Andrade

Phone No:

Address:

Relationship to Permit Holder: General Partner

3. SOURCE

UNNAMED STREAM

TRIBUTARY

COTTONWOOD CREEK

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None
2. Other water rights with the same point of diversion: None

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

UNNAMED STREAM

NE1/4NE1/4

Sec. 11, Twp 13S, Rge 40E, B.M.

FRANKLIN County

Method of Determination: GPS location taken at the dam.

2.

PLACE OF USE: STOCKWATER STORAGE

Twp	Rge	Sec	NE				NW				SW				SE				Totals
13S	40E	11	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
			X																

Method of Determination: On-site field inspection and aerial photography.

3. _____ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ___X___ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ___X___ Aerial Photo Attached (required for irrigation of 10+ acres).
- ___X___ Photo of Diversion and System Attached

4.

<u>Well or Diversion ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
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Earthen dam					
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*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>

2. Measurements: Not required for this permit.

E. FLOW CALCULATIONS

Measured Method: N/A

____ Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses:

The surface area of the pond was estimated to be 0.2 acres based on aerial photography. At the time of the exam Mr. Andrade estimated the maximum depth of the pond to be about 8 feet.

$$\text{Storage facility volume} = \text{Surface area} \times \text{Maximum depth} \times 0.4$$

$$\text{Volume} = 0.2 \text{ acres} \times 8 \text{ feet} \times 0.4$$

$$\text{Volume} = 0.64 \text{ acre-feet}$$

Volume limited by permit. Recommend 0.5 AF.

G. NARRATIVE/REMARKS/COMMENTS

A field exam was needed in order to determine the location of the point of diversion and place of use due to their proximity to the QQ line. The storage under this permit was created by the construction of an earthen dam on an unnamed stream tributary to Cottonwood Creek. The on-stream pond is used in conjunction with 12 other rights for the same herd of 1000 range cattle.

The permit required the installation of a lockable device for watermaster control of the diversion. At the time of the exam a lockable device had not been installed. However, the Water District 13M watermaster was contacted, and he indicated that he would not require a lockable device. Therefore, the conditions of the permit have been satisfied.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

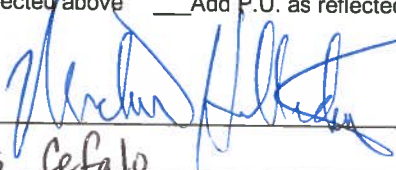
<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
STOCKWATER STORAGE	03/01 to 11/01		0.50 AF
<u>Totals:</u>			0.50 AF

2. Recommended Amendments

☒ 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 ☐ Other

I. AUTHENTICATION

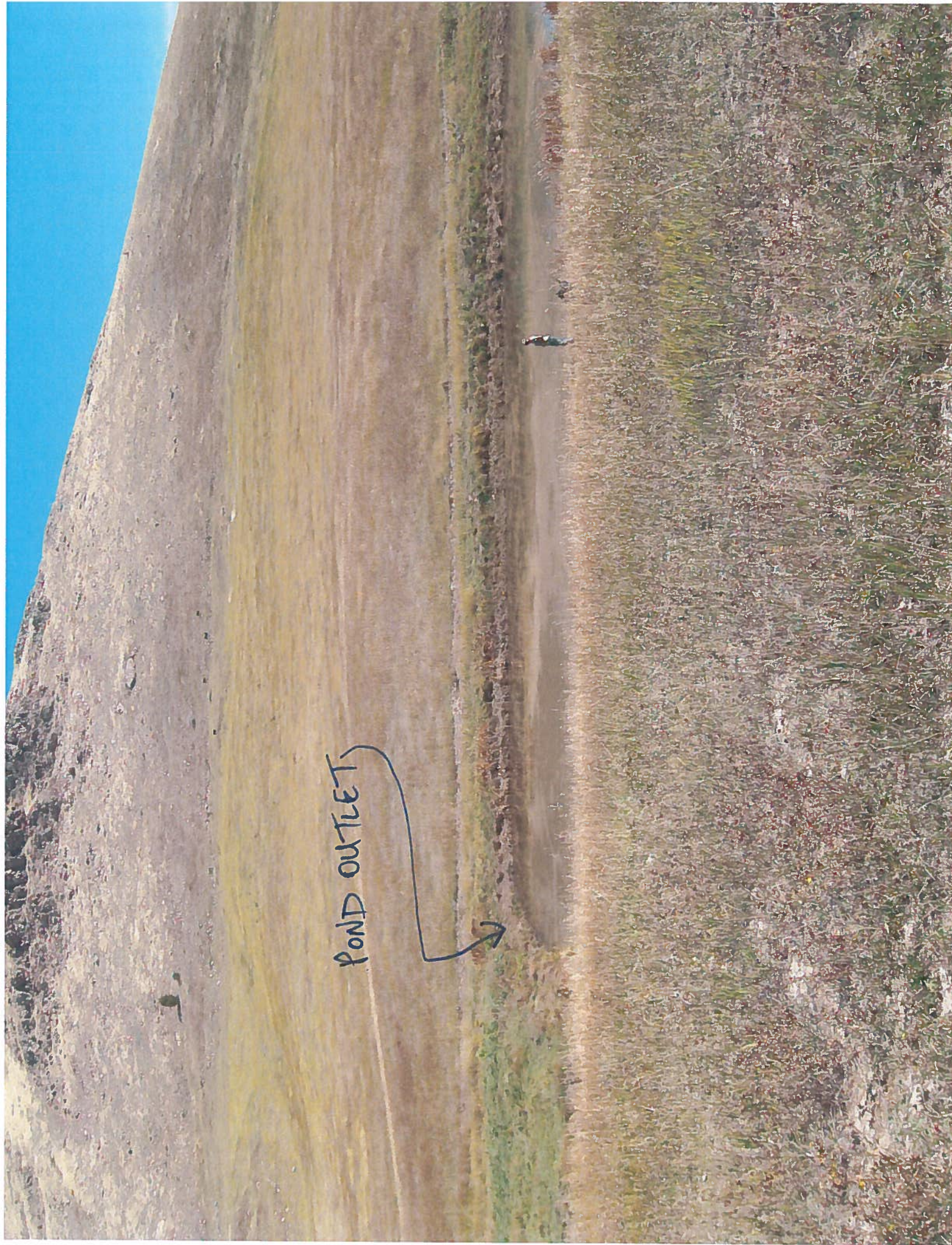
Field Examiner's Name  Date 10/7/2014

Reviewer James Cefalo Date 11/21/14

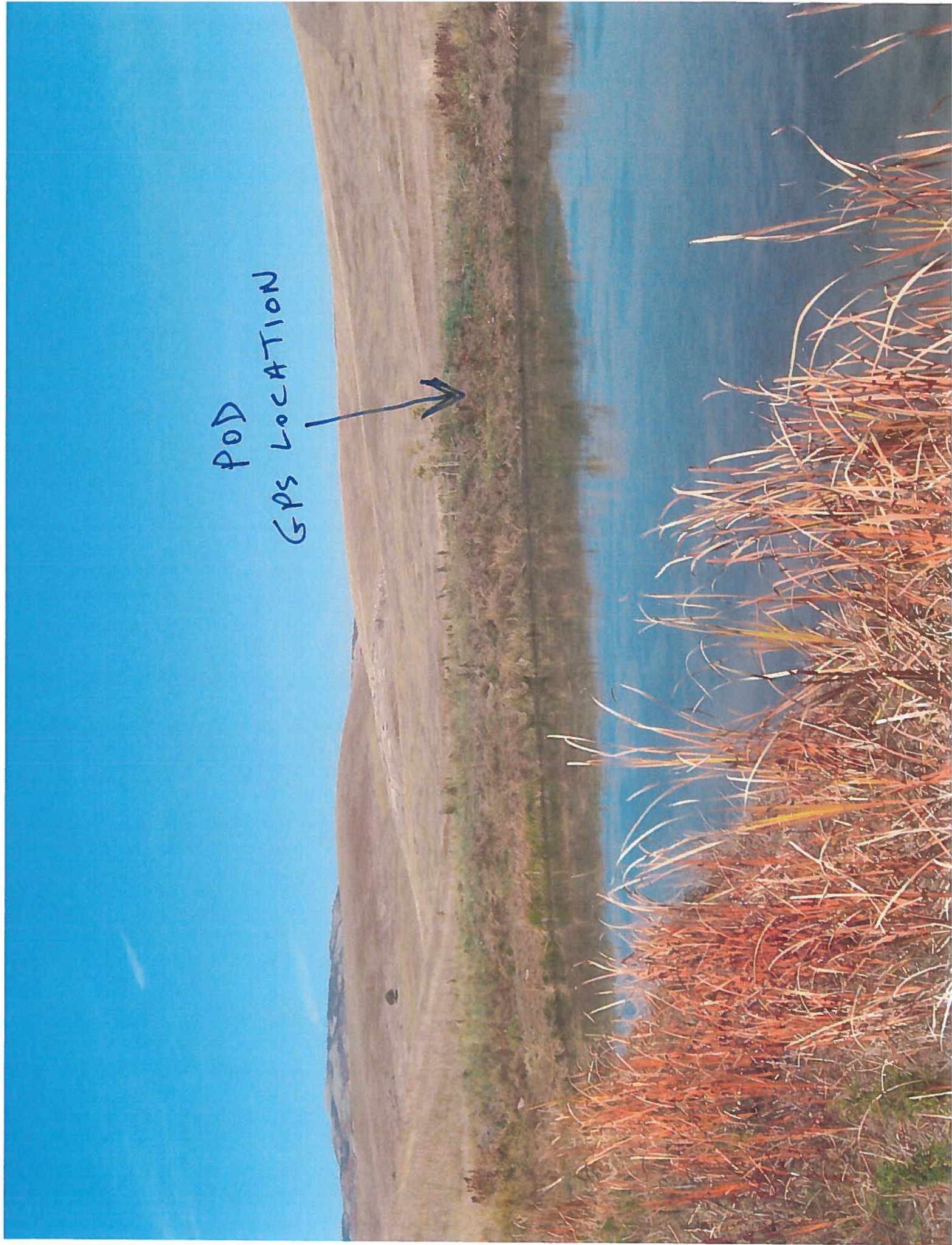


POND
INLET

POND OUTLET



POD
GPS LOCATION





Idaho Department of Water Resources

Water Right
13-7572

(STOCKWATER STORAGE)

● Point of Diversion

□ Place of Use

□ State Outline

□ Townships

□ PLS Sections

□ Quarter Quarters

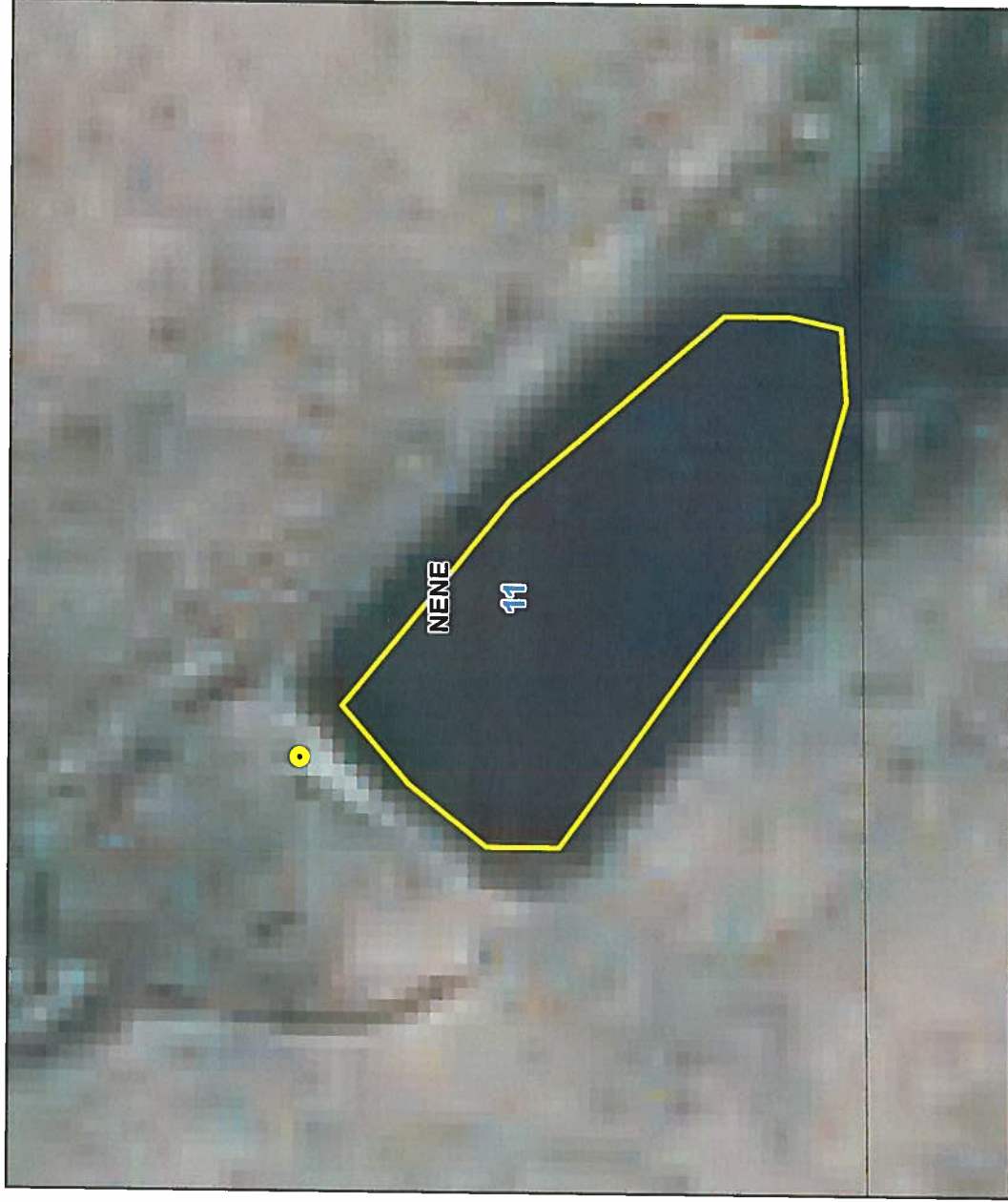


Franklin County
IDWR Basin 13

Prepared by Holliday, Michael

2009 Aerial Photography

40E



13S

