

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 22-13285

Exam Date: 6/11/2014

1. Current Owner: ROBERT G KIRK
PO BOX 4779
JACKSON WY 83001
307-733-8282

2. Accompanied by: None

Phone No:

Address:

Relationship to Permit Holder:

3. SOURCE

DICK CREEK

TRIBUTARY

TETON RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 22-13283
2. Other water rights with the same point of diversion: 22-13283

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

DICK CREEK SW1/4NW1/4NE1/4 Sec. 9, Twp 04N, Rge 45E, B.M. TETON County

Method of Determination: Site Visit, GPS (-111.150875, 43.690741)

2.**PLACE OF USE:**

WILDLIFE STORAGE

Twp Rge Sec		NE				NW				SW				SE				Totals
		NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
04N	45E 9						X											

Method of Determination: Site Visit

3. ☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ 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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A0014270

*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>
Flow Treker						

2. Measurements: 1.635 CFS

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

2. Volume Calculations for Other Uses: Ponds – see attached calculation sheet, limited to 12.0 AF

G. NARRATIVE/REMARKS/COMMENTS

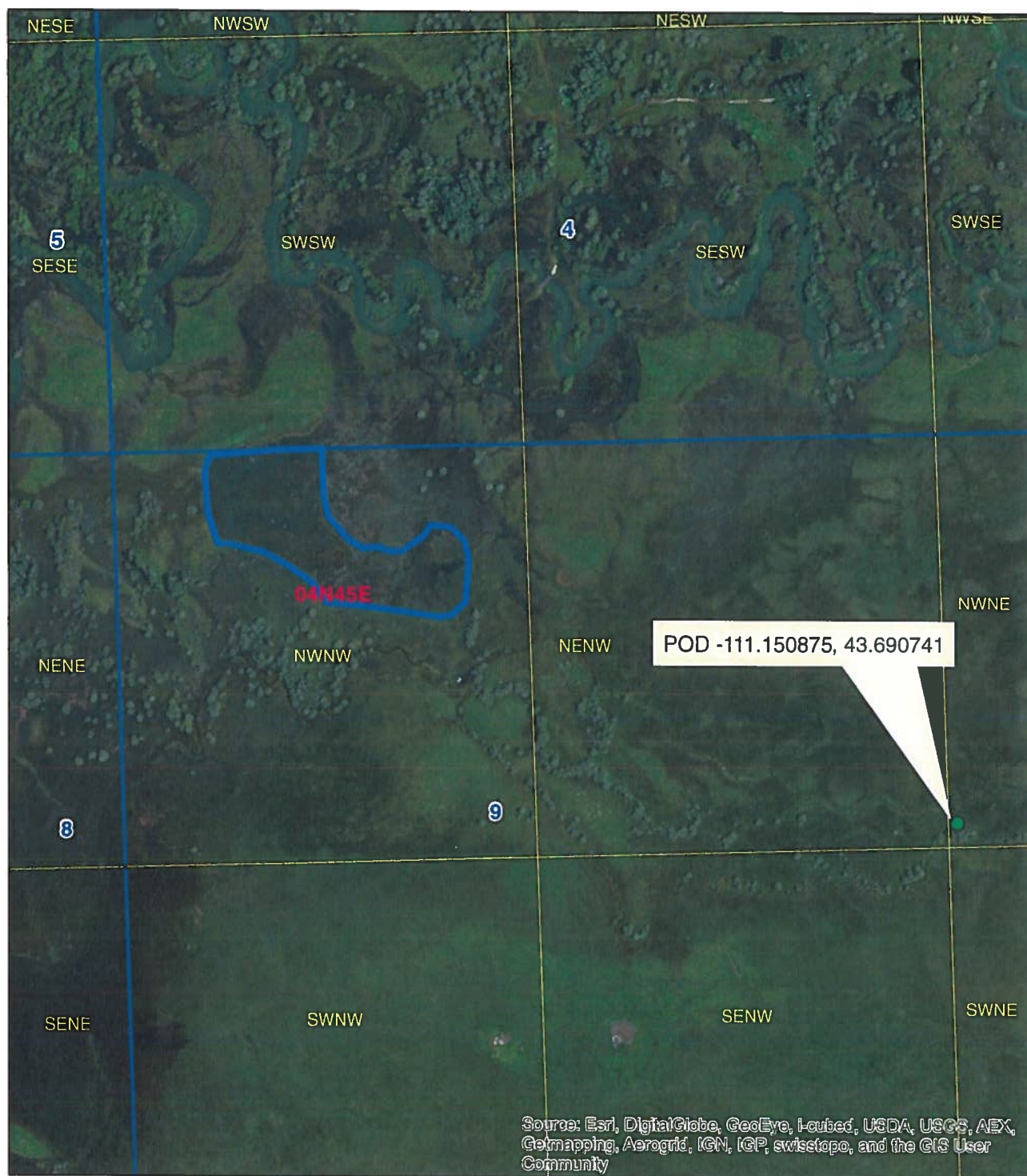
Concrete headgate in place, measurement taken at headgate, also straight pipe at outlet.

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>
DIVERSION TO STORAGE	01/01 to 12/31	0.450 CFS	
WILDLIFE STORAGE	01/01 to 12/31		12.00 AF
Totals:		0.450 CFS	12.00 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 Kevin Matthews Date 6.11.14

Reviewer _____ Date _____

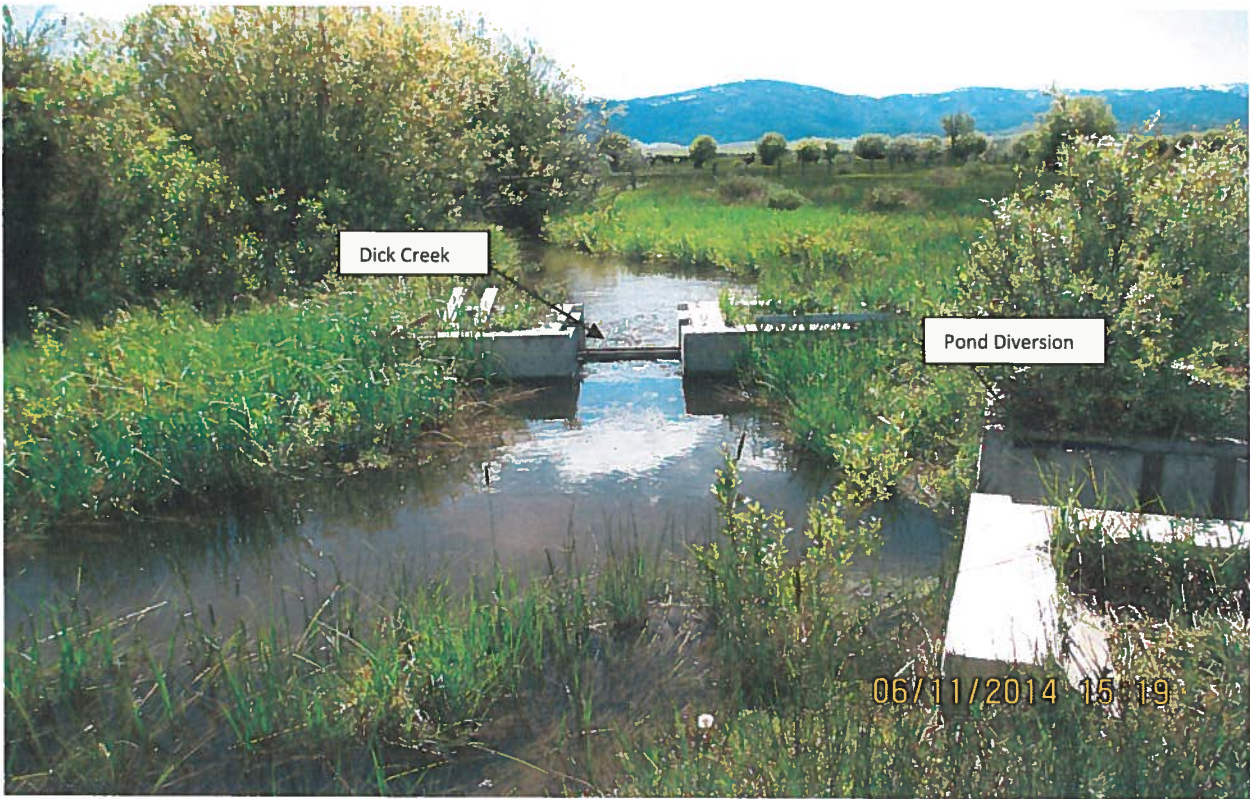


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- Pond 22-13285
- Township/Range
- Sections
- QQ

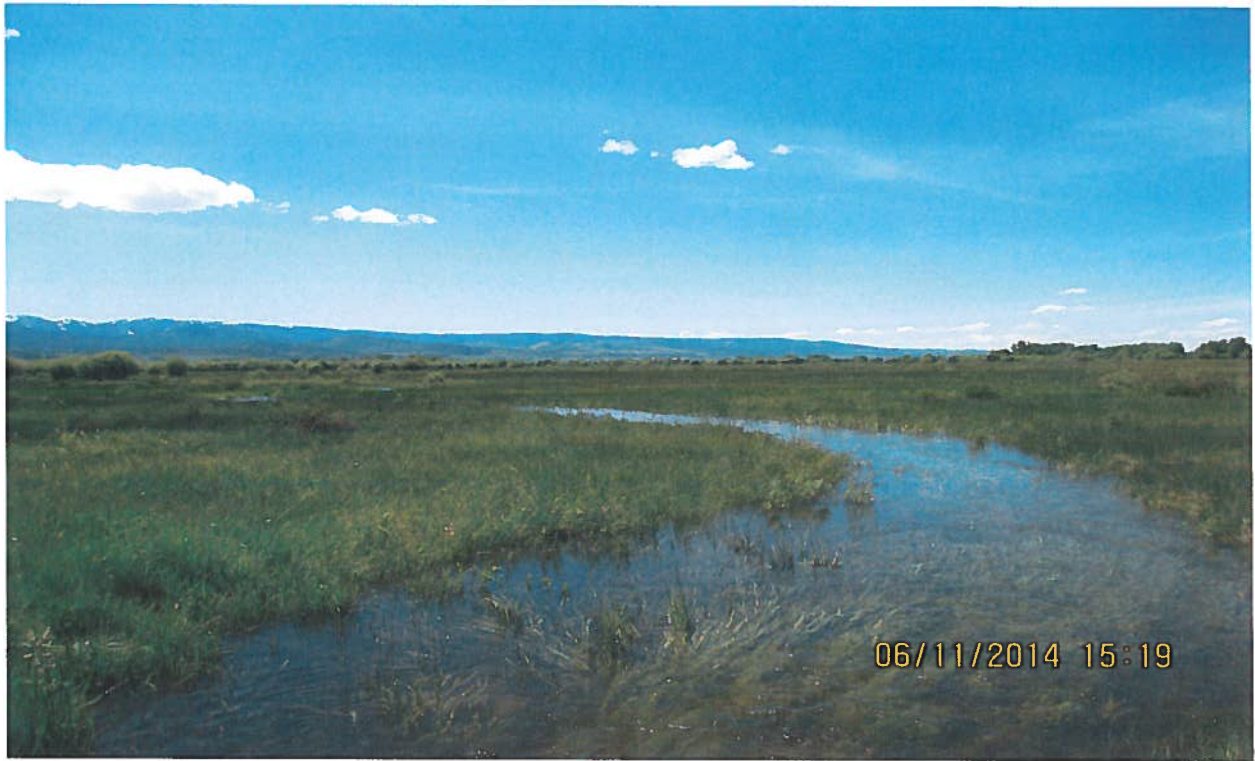
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Looking West at head-gate structure on Dick Creek



Head-gate off of Dick Creek



Looking NW down channel, towards ponds.





PRECIPITATION DEFICIT CALCULATIONS FOR PONDS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	TOTAL EVAP IN AF
mm/Day *	0.0	0.0	0.4	1.4	2.1	3.2	3.3	3.2	1.9	1.0	0.0	0.0	
mm/Month	0.0	0.6	12.4	41.1	64.5	94.8	103.2	97.7	58.2	29.5	0.0	0.0	
ft/Month	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.3	0.2	0.1	0.0	0.0	
Surface Area in Acres	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	
acre-feet	0.0	0.0	0.2	0.7	1.1	1.6	1.8	1.7	1.0	0.5	0.0	0.0	8.7
* Based on percipitation deficites provided by University of Idaho, http://data.kimberly.uidaho.edu/ETIdaho/													

POND SIZE:	WIDTH X LENGTH	SQ FT	ACRES
			5.3

JAN	FEB	MAR	APR
31.0	28.0	31.0	30.0
MAY	JUN	JUL	AUG
31.0	30.0	31.0	31.0
SEPT	OCT	NOV	DEC
30.0	31.0	31.0	31.0

mm to ft 0.0032808

Crop type =	Grass Pasture
CIR in AF/ACRE	2.5

If applicable, acres need to dry up for evaporation

6.9

Pond size in acres	5.3
Average depth in ft	1.6
AF needed to Fill	8.5

$$4 \times 1.6 = 6.4$$

Average depth=max depth x .40

TOTAL AF FOR POND	17.2
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Data entry in green