

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 22-13768

Exam Date: 6/11/2014

1. Current Owner: ELLIOT CREEK LLC
C/O HOLDEN KIDWELL HAHN & CRAPO
PO BOX 50130
IDAHO FALLS ID 83405

2. Accompanied by: None

Phone No:

Address:

Relationship to Permit Holder:

3. SOURCEELLIOTT CREEK
SWAMPSTRIBUTARYTETON RIVER
ELLIOT 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: 22-4089, 22-4157

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

ELLIOTT CREEK SW1/4NW1/4 Sec. 22, Twp 04N, Rge 45E, B.M.

TETON County

SWAMPS SW1/4NW1/4 Sec. 22, Twp 04N, Rge 45E, B.M.

TETON County

Method of Determination: Site Visit, GPS (-111.136793, 43.660392)

2.

PLACE OF USE:

AESTHETIC STORAGE

Twp	Rge	Sec	NE				NW				SW				SE				Totals
04N	45E	22	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
									X										

PLACE OF USE:

WILDLIFE STORAGE

Twp	Rge	Sec	NE				NW				SW				SE				Totals
04N	45E	22	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
									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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*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>
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2. Measurements:

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

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: Pond Calculation attached

G. NARRATIVE/REMARKS/COMMENTSHave 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>
AESTHETIC STORAGE	01/01 to 12/31		0.40 AF
WILDLIFE STORAGE	01/01 to 12/31		0.40 AF
<u>Totals:</u>			0.40 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. AUTHENTICATIONField Examiner's Name Kerrie Mathews Date 6.11.14

Reviewer _____ Date _____

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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
acre-feet	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
* Based on precipitation deficits provided by University of Idaho, http://data.kimberly.uidaho.edu/ETIdaho/													

POND SIZE:	WIDTH X LENGTH	SQ FT	ACRES
			0.1

mm to ft 0.0032808

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

Crop type =	Grass Pasture
CIR in AF/ACRE	2.5

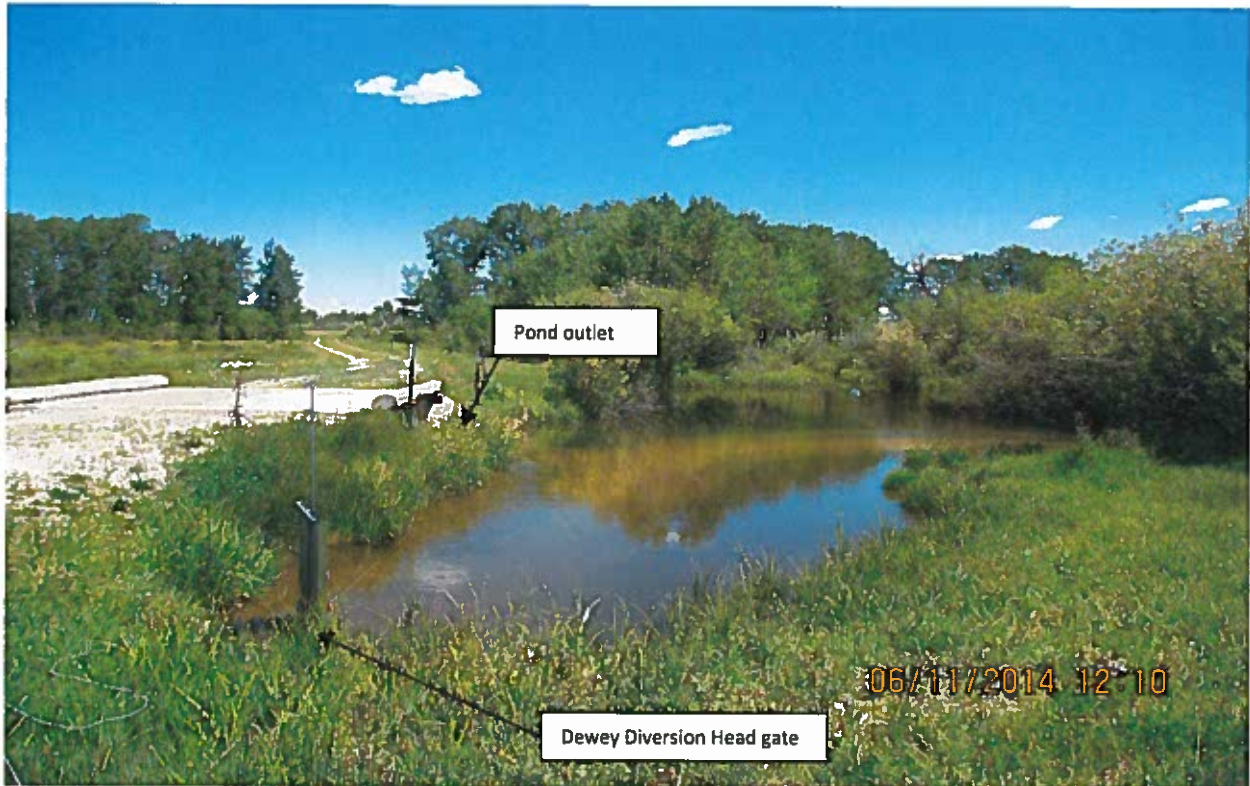
Pond size in acres	0.1
Average depth in ft	1.8
AF needed to Fill	0.2

TOTAL AF FOR POND	0.4
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If applicable, acres need to dry up for evaporation
0.2

Data entry in green

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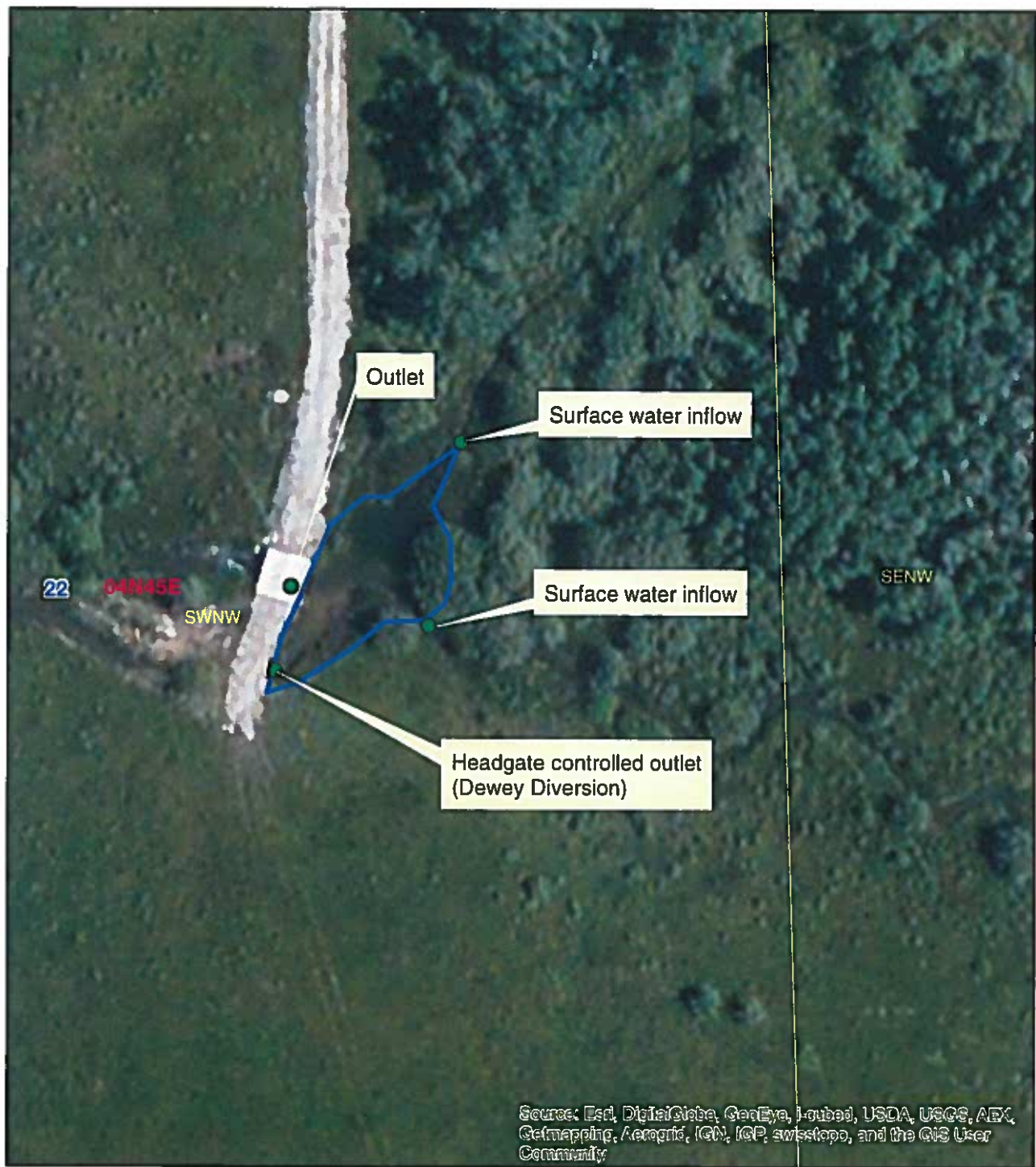
Pond looking North



Dewey Diversion (ditch) looking west



Pond Outlet looking West



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- Elliot Creek Ponds
- Township/Range
- Sections
- QQ



0 0.005 0.01 0.02 Miles