

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 22-13827

Exam Date: 6/11/2014

1. Current Owner: GARY N BLANCHARD
355 SKYLINE DR
POCATELLO ID 83204
(208)232-1523

2. Accompanied by: None

Phone No:

Address:

Relationship to Permit Holder:

3. SOURCE

SPRING CREEK

TRIBUTARY

MARSH CREEK

B. OVERLAP REVIEW

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

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

SPRING CREEK SW1/4SE1/4SW1/4 Sec. 16, Twp 03N, Rge 45E, B.M. TETON County

Method of Determination: Site Visit, GPS (-111.154924, 43.578122)

2.

PLACE OF USE:

RECREATION 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	
03N	45E	16											X	X					

PLACE OF USE:

DIVERSION TO 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	
03N	45E	16											X	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</u> <u>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</u> <u>Size</u>

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>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: 0.224 CFS using Flow Treker

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 – See attached = 0.5 AF

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>
RECREATION STORAGE	01/01 to 12/31		0.5 AF
DIVERSION TO STORAGE	01/01 to 12/31	0.200 CFS	.
	<u>Totals:</u>	0.200 CFS	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 Kerrie Mathews Date 6-11-2014

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

If applicable, acres need to dry up for evaporation
0.2

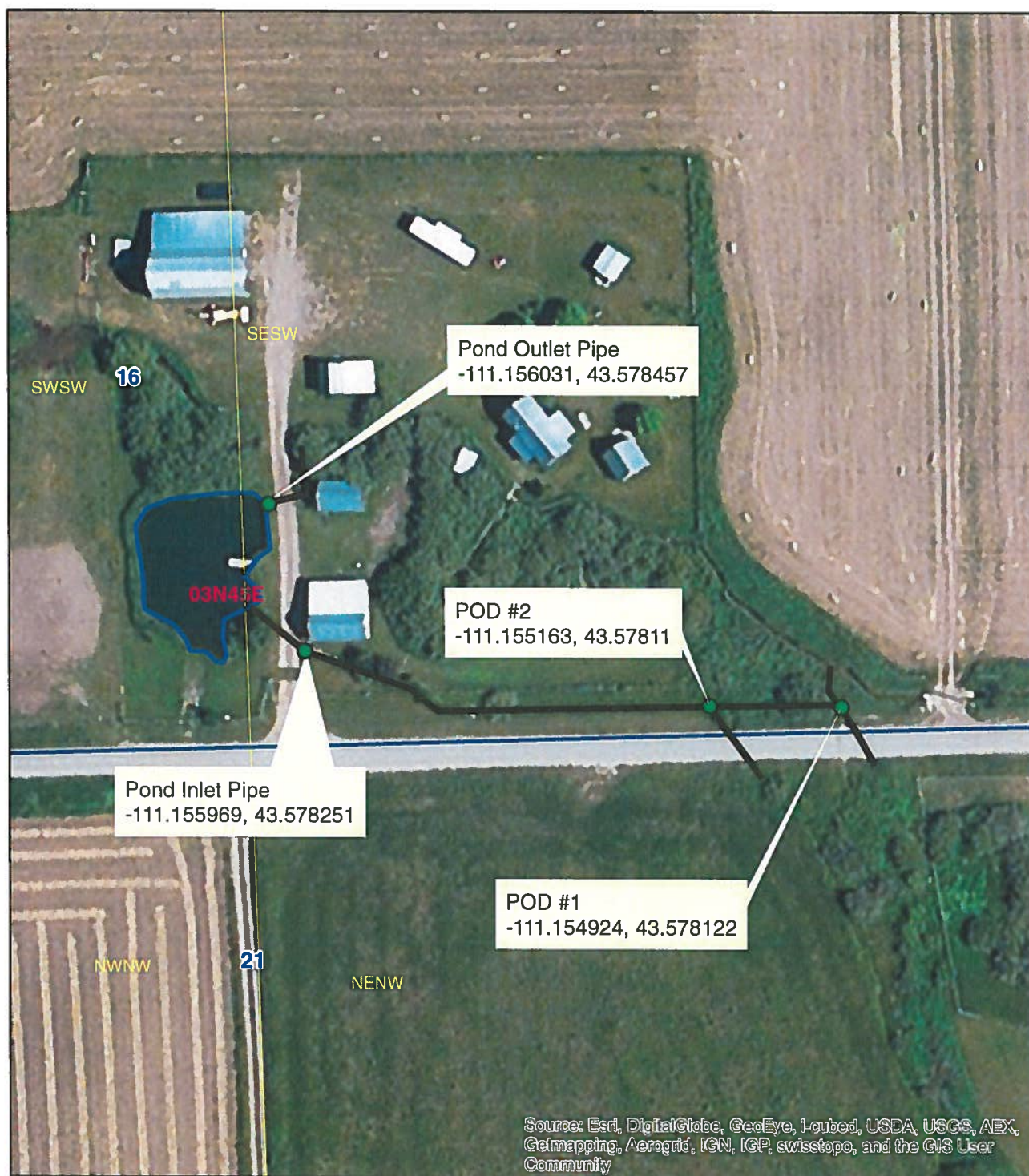
Pond size in acres	0.1
Average depth in ft	3.2
AF needed to Fill	0.3

$$8 * .4 = 3.2$$

Average depth=max depth x .40

TOTAL AF FOR POND	0.5
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Data entry in green

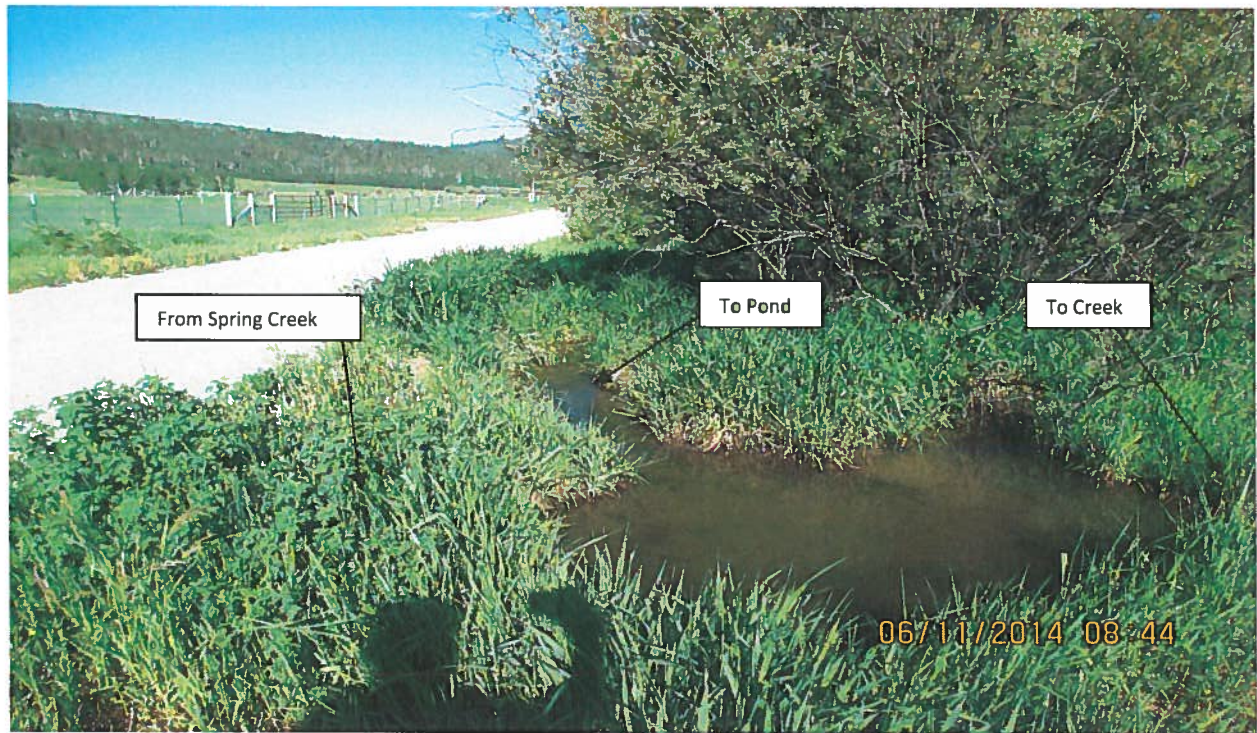


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- Waterways
- Pond
- Township/Range
- Sections
- QQ

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Looking West



At POD looking North



Pond Inlet Pipe, looking East



Pond looking SW, standing at outlet



Pond Outlet, back to creek, facing North