

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 75-7514

Exam Date: 6/25/2012

1. Current Owner: EDWARD A MC CALLUM
19 PACKER LN
SALMON ID 83467-5182
(208)756-3715
2. Accompanied by: None
- Phone No:
- Address:
- Relationship to Permit Holder:

3. SOURCE

TRIBUTARY

SPRINGS

SALMON RIVER

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 SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

SPRINGS SE1/4NE1/4NW1/4 Sec. 13, Twp 20N, Rge 21E, B.M.

LEMHI County

SPRINGS NE1/4NW1/4 Sec. 13, Twp 20N, Rge 21E, B.M.

LEMHI County

SPRINGS NW1/4NW1/4NE1/4 Sec. 13, Twp 20N, Rge 21E, B.M.

LEMHI County

Method of Determination: Site Visit GPS

2.

PLACE OF USE:

RECREATION STORAGE

[illegible]

PLACE OF USE:

STOCKWATER

[illegible]

Method of Determination:

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>
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*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>
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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 spreadsheet attached = 8.9 AF ***LIMITED BY PERMIT TO 5.0 AF*****

$$40 \text{ horses} \times 12 \text{ gpd} \times 365 = 175200/325850 = .53 = .50 \text{ AF}$$

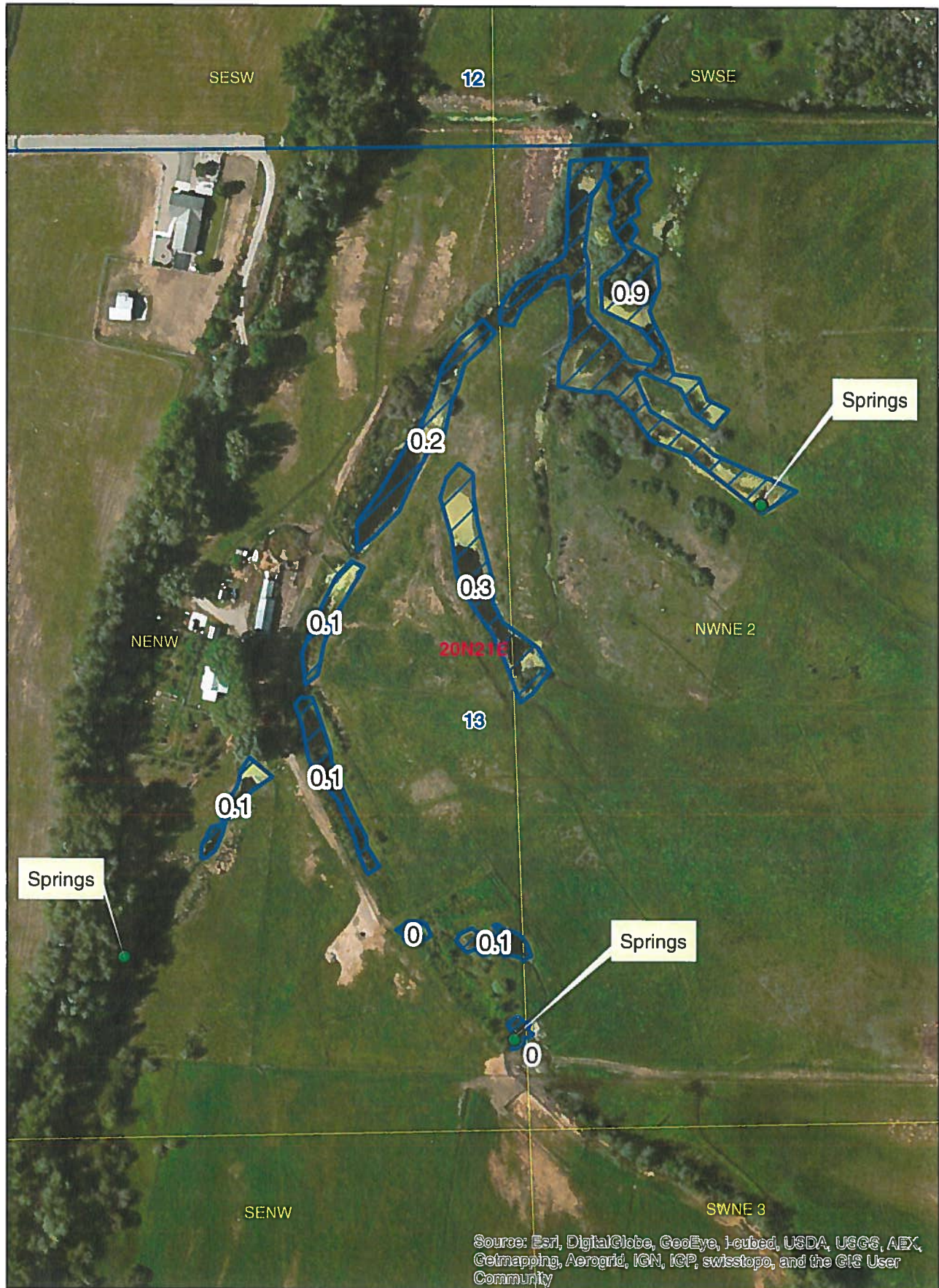
G. NARRATIVE/REMARKS/COMMENTSHave conditions of permit approval been met? ☒ Yes ☐ No**H. RECOMMENDATIONS****1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
RECREATION STORAGE	01/01 to 12/31		5.00 AF
STOCKWATER	01/01 to 12/31	0.030 CFS	0.50 AF
	<u>Totals:</u>	0.030 CFS	5.50 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 Matthews Date 6.25.2012

Reviewer _____ Date _____

Field Exam June 25, 2012; 75-7514



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

0 0.0175 0.035 0.07 Miles

PRECIPITATION DEFICIT CALCULATIONS FOR PONDS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	TOTAL EVAP IN AF
mm/Day *	0	0.1	0.99	1.83	2.64	3.55	3.14	1.72	0.71	0	0	0	
mm/Month	0	2.8	30.69	54.9	81.8	106.5	97.3	53.32	21.3	0	0	0	
ft/Month	0	0.0092	0.101	0.1801	0.27	0.349	0.32	0.175	0.07	0	0	0	
Surface Area in Acres	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
acre-feet	0	0.0165	0.181	0.3242	0.48	0.629	0.57	0.315	0.13	0	0	0	2.65
* Based on precipitation deficits provided by University of Idaho, http://data.kimberly.uidaho.edu/ETIdaho/													

POND SIZE:	WIDTH X LENGTH		SQ FT	ACRES
				1.8

mm to ft 0.0032808

JAN	FEB	MAR	APR
31	28	31	30
MAY	JUN	JUL	AUG
31	30	31	31
SEPT	OCT	NOV	DEC
30	31	31	31

Crop type =	Grass Pasture
CIR in AF/ACRE	0.42

If applicable, acres need to dry up for evaporation

6.31

Pond size in acres	1.8
Average depth in ft	3.5
AF needed to Fill	6.3

Average depth=Surface area x max depth x .04

TOTAL AF FOR POND	8.9
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Data entry in green