

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-14054

Exam Date: 5/2/2014

1. Current Owner: EMERALD PARK WATER ASSN
676 W SOMEDAY LN
COEUR D ALENE ID 83814
(208)664-7907
2. Accompanied by: Gaby Wilson

3. SOURCETRIBUTARY

GROUND WATER

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:

GROUND WATER SW1/4NE1/4 Sec. 35, Twp 50N, Rge 04W, B.M. KOOTENAI County

Method of Determination: GPS and Maps

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
50N	04W	35	X	X	X														

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
50N	04W	35	.6	.1	2.0														2.7

Total Acres: 2.7

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.

Well or Diversion
ID No.*

Motor Make

Hp

Motor Serial No.

Pump Make

Pump Serial No. or Discharge
Size

DOO40496

FRNKLIN

Site Tag A0003229

D. FLOW MEASUREMENTS

PUMP EQUATIONS WATER RIGHT No. 95-14054						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	15	754.0816327	0.8	650	45
Q =	0.140 cfs 63.0 gpm					

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 2.7 \times 3 = 8.1$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.09 \times 231 \times 1.9835 = 41 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 8.1 \text{ AF}$$

2. Volume Calculations for Other Uses: Domestic use 5 Homes $\times$ 0.6 AF = 3.0 AF**G. NARRATIVE/REMARKS/COMMENTS**

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>
DOMESTIC	01/01 to 12/31	0.110 CFS	3.0 AF
IRRIGATION	03/15 to 10/31	0.090 CFS <i>0.08</i>	8.1 AF
Totals: ~~0.150 CFS~~ <i>0.14</i>			11.1 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

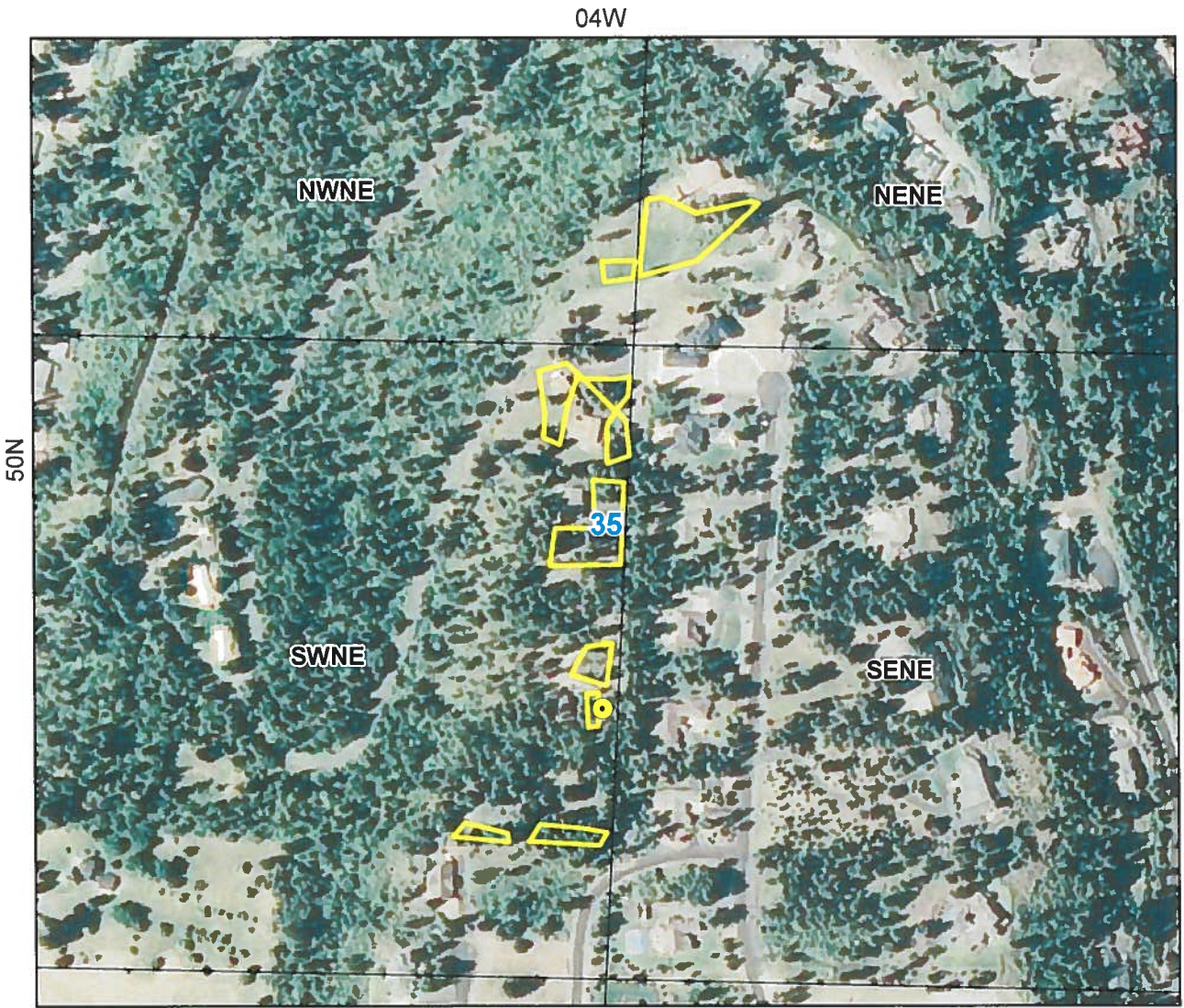
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

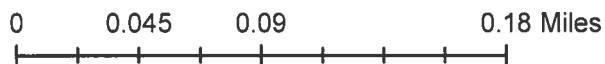
Field Examiner's Name *Greg Taylor* Date *5-12-2014*

Reviewer *Greg Taylor* Date *5/14/2014*

State of Idaho
Department of Water Resources
Water Right License
95-14054



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters



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- Point of Diversion
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0 0.05 0.1 0.2 Miles



