

Exam Date: 5/16/2014

1. Current Owner: HAROLD JAY MADDOX  
24476 N DERTING RD  
HAYDEN ID 83835-7941  
(208)762-2230

And/Or

PAMELA J MADDOX  
24476 N DERTING RD  
HAYDEN ID 83835

2. Accompanied by: Owners

- | 3. <u>SOURCE</u> | <u>TRIBUTARY</u> |
|------------------|------------------|
| UNNAMED STREAM   | SINKS            |

## 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:

UNNAMED STREAM SW1/4NE1/4 Sec. 9, Twp 52N, Rge 03W, B.M. KOOTENAI County

**Method of Determination:** GPS and Map

- 2.

**PLACE OF USE:** WILDLIFE STORAGE

[illegible]

**PLACE OF USE:** RECREATION STORAGE

[illegible]

**PLACE OF USE:** FIRE PROTECTION 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 |        |
| 52N | 03W | 9   |    |    | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |        |

**PLACE OF USE:** IRRIGATION 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 |        |
| 52N | 03W | 9   |    |    | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |        |

**PLACE OF USE:** IRRIGATION FROM 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 |        |
| 52N | 03W | 9   |    |    | 1.0 |    |    |    |    |    |    |    |    |    |    |    |    |    | 1.0    |

Total Acres: 1

## 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>Motor Make</u> | <u>Hp</u> | <u>Motor Serial No.</u> | <u>Pump Make</u> | <u>Pump Serial No. or Discharge Size</u> |
|--------------------------|-------------------|-----------|-------------------------|------------------|------------------------------------------|
| <u>ID No.*</u>           |                   |           |                         |                  |                                          |

In stream pond, diversion is the dam.

**D. FLOW MEASUREMENTS**

No flow measurement on stream pond.

**F. VOLUME CALCULATIONS**

## 1. Volume Calculations for Irrigation:

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

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \text{no diversion rate.}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 3 \text{ AF}$$

## 2. Volume Calculations for Other Uses: See attached pond data form.

**G. NARRATIVE/REMARKS/COMMENTS**

Have conditions of permit approval been met? X Yes \_\_\_\_\_ No

**H. RECOMMENDATIONS**

## 1. Recommended Amounts

| <u>BENEFICIAL USE</u>   | <u>PERIOD OF USE</u> | <u>ANNUAL VOLUME</u> |
|-------------------------|----------------------|----------------------|
| WILDLIFE STORAGE        | 01/01 to 12/31       | 7.40 AF              |
| RECREATION STORAGE      | 01/01 to 12/31       | 7.40 AF              |
| FIRE PROTECTION STORAGE | 01/01 to 12/31       | 7.40 AF              |
| IRRIGATION STORAGE      | 01/01 to 12/31       | 10.40 AF             |
| IRRIGATION FROM STORAGE | 01/01 to 12/31       | 3.00 AF              |
| <u>Totals:</u>          |                      | 10.40 AF             |

## 2. Recommended Amendments

\_\_\_\_ Change P.D. as reflected above \_\_\_\_ Add P.D. as reflected above X None

\_\_\_\_ Change P.U. as reflected above \_\_\_\_ Add P.U. as reflected above \_\_\_\_ Other

**I. AUTHENTICATION**

Field Examiner's Name E. J. [Signature] Date 5-19-2014

Reviewer [Signature] Date 5-23-2014

State of Idaho  
Department of Water Resources  
**Water Right License**  
95-10425

03W

52N



Point of Diversion



Place Of Use Boundary



Townships



PLS Sections



Quarter Quarters

0 0.0125 0.025 0.05 Miles



## 8 Instream Pond.

Enlarged Surface area = 2.6 AF = 26,136 ft<sup>2</sup>

Volume = 26,136 ft<sup>2</sup> × 6' = 156,816 ft<sup>3</sup> = 3.6 AF

7.4 Wildlife Storage a) Pond size ... 3.6 AF

b) Evaporation ...

505 gal/day × 245 days =

125,795 gal / 325,850 = 3.8 AF

c) Seepage - None, Instream Pond.

7.4 Recreation Stor. a) Pond size 3.6 AF

b) Evap. 3.8 AF

7.4 Fire Protec. Stor. a) Pond size 3.6 AF

b) Evap 3.8 AF

10.4 Irrigation Stor. a) Pond size 3.6 AF

b) Evap. 3.8 AF

c) Irrig 3.0 AF, 1 Acre

3.0 Irr. from Stor. a) 3 Acre/Ac × 1 Ac



Dam



in



Island



out let



out



Pond photo2



Pond



pump









IRRIGATION



IRRIGATION

