

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
**BENEFICIAL USE FIELD REPORT**

**A. GENERAL INFORMATION**

Permit No: 85-15440

Exam Date: 5/15/2012

1. Current Owner: PAUL L C SNIDER  
PO BOX 219  
LEWISTON ID 83501  
(208)746-5555

Or

MARLENE SNIDER  
PO BOX 219  
LEWISTON ID 83501  
(208)746-5555

2. Accompanied by: Paul Snider  
Phone No: (208)746-5555  
Address: PO BOX 219, Lewiston, ID 83501  
Relationship to Permit Holder: self  
Email: [snidercamp@cablone.net](mailto:snidercamp@cablone.net)  
Physical address for the POD/POU: 38265 Jacks Canyon Rd., Lenore, ID 83541 (71.6 acres)

3. **SOURCE**

SPRING

**TRIBUTARY**

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. 85-11730 is for different springs.

**C. DIVERSION AND DELIVERY SYSTEM**1. **LOCATION OF POINT(S) OF DIVERSION:**

SPRING L4 SE1/4SW1/4SW1/4 Sec. 18, Twp 36N, Rge 01W, B.M. NEZ PERCE County

**Method of Determination:** Garmin GPS Map 76S, and ArcMap 2004 – 2011 imagery and esri Imagery.

2.

**PLACE OF USE:** WILDLIFE STORAGE, RECREATION STORAGE and STOCKWATER STORAGE

| Twp | Rge | Sec | NE        |           |           |           | NW        |           |           |           | SW        |           |           |           | SE        |           |           |           | Totals |
|-----|-----|-----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|
|     |     |     | <u>NE</u> | <u>NW</u> | <u>SW</u> | <u>SE</u> | <u>NE</u> | <u>NW</u> | <u>SW</u> | <u>SE</u> | <u>NE</u> | <u>NW</u> | <u>SW</u> | <u>SE</u> | <u>NE</u> | <u>NW</u> | <u>SW</u> | <u>SE</u> |        |
| 36N | 01W | 18  |           |           |           |           |           |           |           |           |           |           |           | X         |           |           |           |           |        |

**DIVERSION TO STORAGE same as STOCKWATER STORAGE**

**Method of Determination:** Garmin GPS Map 76S, and ArcMap 2004 – 2011 imagery and esri Imagery.

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**

A0016672 on Spring 10-gallon collection tank (complete gravity flow system), with ¾ inch buried PVC to pond, and 1 ½ inch buried PVC diverted off near the 12 inch culvert and running down to the pond.

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

**D. FLOW MEASUREMENTS**

1.

**Measurement**  
**Equipment**

**Type****Make****Model No.****Serial No.****Size****Calib. Date**

None.

2. Measurements:

**Orange Peel:**

$Q = VA = 1 \text{ ft/sec} \times 0.13 \text{ ft-squared} = 0.13 \text{ cfs} \times 0.66 \text{ coefficient} = 0.08 \text{ cfs}$ , maximum system capacity

$A = H \times W = 0.16 \text{ ft} \times 0.83 \text{ ft} = 0.13 \text{ ft-squared}$

$V = 2 \text{ ft/2 seconds}$

**Pipe Conversions:**

$Q = 5 \times 3.1416 \times R\text{-squared} = \frac{3}{4} \text{ inch pipe (0.02 cfs)} + 1 \frac{1}{2} \text{ inch pipe (0.06 cfs)} = 0.08 \text{ cfs}$ , maximum system capacity

$R = (\text{diameter}/12)/2$

¾ inch pipe from the 10-gallon collection tank to the pond = 0.02 cfs

1 ½ inch pipe from the culvert location to the pond = 0.06 cfs

**RECOMMEND:**

Diversion to Storage 0.06 cfs (as permitted)

**E. FLOW CALCULATIONS**

Measured Method: No additional measurements.

**F. VOLUME CALCULATIONS**

1. Volume Calculations the pond/storage:

0.2 acre pond  $\times$  6 ft average depth = 1.2 AF

**RECOMMEND:**

Wildlife Storage 1.0 AF

Recreation Storage 1.0 AF

Stockwater Storage 1.0 AF

Total Annual Volume: 1.0 AF (as permitted)

2. Volume Calculations for Other Uses: None

**G. NARRATIVE/REMARKS/COMMENTS**

The spring accumulates in an excavated developed area that has buried large rock, and from the surface looks like a marsh area. There is an overflow that goes into a 10 inch wide by 2 inch deep dirt ditch, and then goes into a 12 inch culvert that runs under the road and then open discharges into a ditch. This overflow sinks further down the ditch. At the 12 inch culvert, there is a 1 1/2 inch buried PVC pipe that runs to the pond. Also at the developed area, there is a 3/4 inch buried PVC pipe that runs to a 10 gallon collection tank, then discharges to 3/4 inch buried PVC and runs to the pond. The average depth of the pond is 6 feet. On the southeast corner of the pond is a 10 inch overflow outlet that is piped down to a splash guard area (rocked to prevent erosion), then sinks there. Wildlife use is for elk, misc birds, deer, wolf, and others. Recreation is for swimming and fishing. Stockwater use is for 10 mixed head of mules, horses, and some cows. At the time of the field examination, another pond was located in Section 19 NENW, which does not have an application for permit, water right or adjudication claim filed on it. An application and map will be mailed to Mr. Snider at licensing.

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> |
|-----------------------|----------------------|-----------------------|----------------------|
| DIVERSION TO STORAGE  | 01/01 to 12/31       | 0.060 CFS             |                      |
| WILDLIFE STORAGE      | 01/01 to 12/31       |                       | 1.00 AF              |
| RECREATION STORAGE    | 01/01 to 12/31       |                       | 1.00 AF              |
| STOCKWATER STORAGE    | 01/01 to 12/31       |                       | 1.00 AF              |
| <u>Totals:</u>        |                      | 0.060 CFS             | 1.00 AF              |

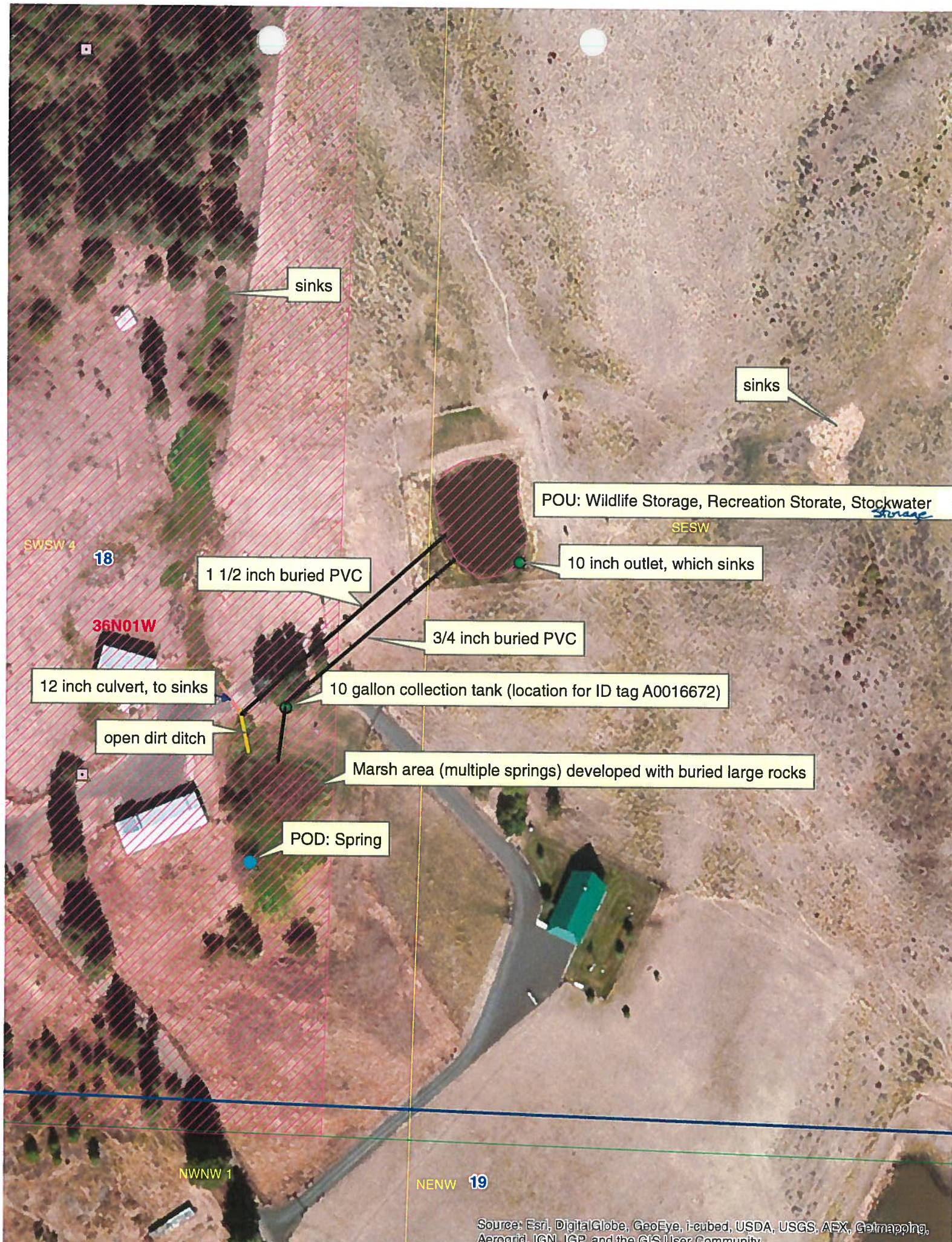
**2. Recommended Amendments**

☐ 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 Erin Hemmings Date: 10/31/2013





POD  
springs

05/15/2012



Acc 16672  
10 gallon  
collection  
tank  
with 3/4"  
pipe to  
pond  
12"  
culvert  
with  
1 1/2"  
pipe to  
the pond  
rest  
sinks in  
ditch

05/15/2012

85-15440 Snider

S. Hernerway



A0016672  
10gal  
collectio  
tank  
with son  
stock in  
the  
backgrou

05/15/2012



One  
Area  
where  
the  
spring  
sinks

05/15/2012

85-15440 Snider

S. Hernerway



Average  
depth  
6'

Poll:

Wildlife  
Storage  
Recreation  
Storage,  
Stockwater  
Storage

10"  
overflow  
that goes  
down  
the ditch  
and  
sinks  
at the  
bottom  
of the  
property

85-15440 Snider

S. Hernerway