

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 85-15393

Exam Date: 5/17/2012

1. **Current Owner:** KIPP K MASSEY
2031 POWERS AVE
LEWISTON ID 83501
(208)743-7225

4/14/2014 o/c completed

Neil + Stephanie Goeckner

19179 Red Bird Rd

Lewiston, ID 83501

(208) 743-8619

email: ngoeckner@earthlink.net

2. **Accompanied by:** Neil Goeckner (current owner, but ownership change had not been completed; On 5/17/2012, a copy of form, water right report, and map were given to Neil at the time of the field examination. On 1/2/2014, all copies were resent to Neil via email).

Phone No: (208) 743-8619; cell (509)780-1554

Address: 19179 Red Bird Rd., Lewiston, ID 83501

Relationship to Permit Holder: Neil is the resident and current owner according to 12/9/2012 updated Tax Lot Information.

3. **SOURCE**

UNNAMED STREAM

TRIBUTARY

REDBIRD 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:**

UNNAMED STREAM NE1/4NE1/4 Sec. 18, Twp 33N, Rge 04W, B.M. NEZ PERCE County

Method of Determination: Garmin GPS Map 76S, esri and 2009 ArcMap Imagery

2.

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	
33N	04W	7													.7	.5	1.0	18.0	20.2
33N	04W	18	.1																.1

Total Acres: 20.3

Method of Determination: Garmin GPS Map 76S, esri and 2009 ArcMap 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.

<u>Well or Diversion 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 Size</u>
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1 ½ inch poly main, with numerous moveable hoses that attach at different sights to floor irrigate (gravity flow system)

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

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
None.						

2. Measurements:

20.3 acres X 0.02 cfs = 0.41 cfs maximum that would be allowed

5-Gallon Measurement:

Two measurements at [(5 gallon X 60 sec)/2 sec] X 0.00223 = 0.33 cfs

One measurement at [(5 gallon X 60 sec)/3 sec] X 0.00223 = 0.223 cfs

Average = 0.29 cfs

RECOMMEND: 0.30 cfs capacity of the system; 20.3 acres irrigation.

E. FLOW CALCULATIONS

Measured Method:

None.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (20.3 \text{ Acres Irrigated}) \times (3.0 \text{ Irrigation Requirement}) = 60.9 \text{ af}$$

$$V_{D.R.} = [0.30 \text{ Diversion Rate (cfs)}] \times (246 \text{ Days in Irrigation season}) \times 1.9835 = 146.4 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 61.0 \text{ af}$$

RECOMMEND: 61.0 af

2. Volume Calculations for Other Uses:

None.

G. NARRATIVE/REMARKS/COMMENTS

There is a 12 inch culvert that goes under the road that discharges the Unnamed Stream onto the property of Neil Goeckner. The POD consists of a buried 4 inch ABS line in the Unnamed Stream, and diverts water to the 8 foot deep pond, with an earthen dam on the east side. There is a 4 inch overflow with 4 inch ABS that open discharges back into the Unnamed Stream. A 1 1/2 inch poly line goes from the pond to the east, then runs north (in the SESE) before splitting and going west and southwest then northwest to the SWSE quarter-quarter. Along this main are many locations where various hoses can be attached and moved around to allow for flood irrigation (gravity flow) to irrigate the 20.3 acres. During the period the pond is filling in the spring 50 percent of the flow is allowed to flow through. After the pond is filled in the spring, outflow is equal to inflow. The pond was designed to withstand large spring runoff, and this was the reason for the above 2 sentences being placed as a condition on the permit and now on the license. There is an Agreement in the file to mitigate in the future if necessary.

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>
IRRIGATION	03/15 to 11/15	0.300 CFS	61.00 AF
<u>Totals:</u>		0.300 CFS	61.00 AF

2. Recommended Amendments

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

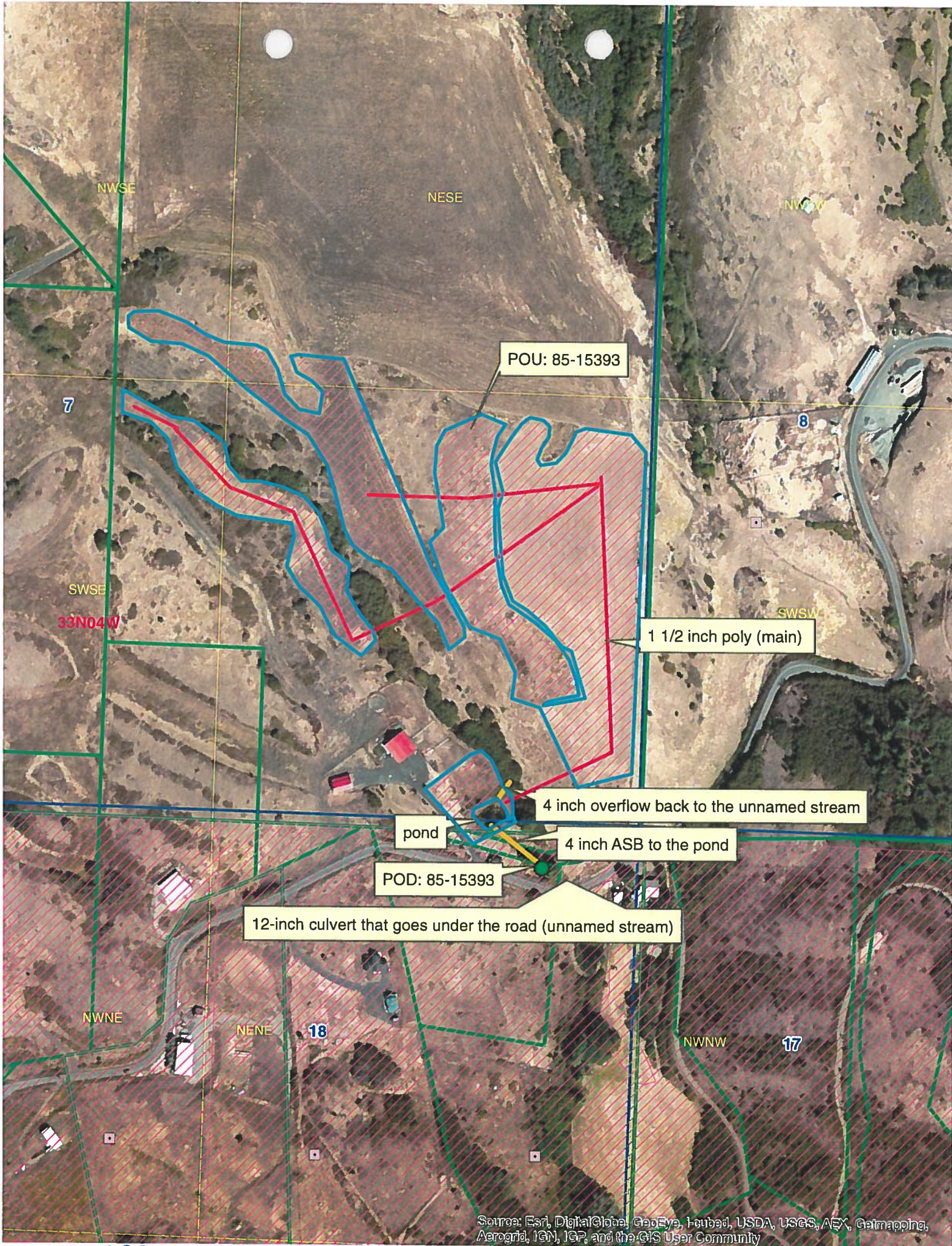
☒ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name



Date: 1/2/2014





05/17/2012



05/17/2012

85-15393

S. Hemerway



some
1/2"
poly
that
was
above
ground

05/17/2012



POND
POND

moveable
hoses
off of
1/2" poly
main
to flood
irrigate
(grain
flow)

05/17/2012





85-15393

S. Hemenway