

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATIONPermit No: 96-9463

Exam Date: 09/01/15

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? X Y N
- a. Irrigation of 5 acres or less
- b. Storage of up to 14.6 AF for stockwater purposes only
- c. Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
- d. Other < >

2. Current Owner: Name: Behrns
- Owner of Record Correct? X Y N
- Address of Record Correct? X Y N
- If No: Address

3. Beneficial Use Fees have been paid: X Y N Receipt No: C100920

4. SOURCE TRIBUTARY

Pend Oreille Lake

Pend Oreille River

Method of Determination: Taxlot location

Change in Source: Y X N**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: X NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: PIN: RP033670000020A, Bel Tane Acres 2nd Add. Lot 2; 96-9254- Blk 1, lot 1, PIN RP005340010070A; 96-9255 – Blk 1, lot 8, PIN RP005340010080A

2. Other water rights with the same point of diversion: X NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: POD for 96-9463 is a lake diversion for use by property owner. No overlap indicated.

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

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Pend Oreille Lake	2		SW	NE	33	57N	01W	B.M.	Bonner
								B.M.	

Method of Determination: GIS Imagery and application information

Change in POD? Y X N Amendment Required? Y X N

TW P	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
57N	01W	33			.5														
		Lot #			2														
																	Total Acres =	0.5	

___ Photo of Diversion and System Attached

4. Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size

1.Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

License recommend: 1.5 afa

G. PURPOSE OF USEIrrigation ☒ Y ☐ N # Stock _____ Domestic # of Homes _____

Other: < >

Change in Purpose of Use? ☐ Y ☐ N

Method of Determination: Information provided by permit holder.

If Yes: From Use _____ To Use _____ Amount _____ CFS _____ AFA _____

H. NARRATIVE/REMARKS/COMMENTS

- Season of Use: 04/01-10/31 (214 days)

Headgate: 3.0

Cons. Use: 2.0

Water District None

Groundwater District None

Conditions

1.	004	This right does not grant any right-of-way or easement across the land of another.
2.	X31	This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor more than 1.5 afa per acre at the field headgate for irrigation of the lands above.
3.	X15	A fish screen of 0.25 inch or smaller mesh shall be installed and maintained at the point of diversion.

Per email from D. Nelson dated 12/10/2014 – Not contacting owner regarding fish screen. Will carry conditions onto license.

Have conditions of permit approval been met? ☒ Yes ☐ No**I. RECOMMENDATIONS****1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Irrigation	04/01 to 10/31	0.02 CFS	1.5 AF
<u>Totals:</u>		0.02 CFS	1.5 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 ☒ X_None

Other: < >

J. AUTHENTICATIONField Examiner's Name Danelli Date 09/01/15

Reviewer _____ Date _____



2013 NADP

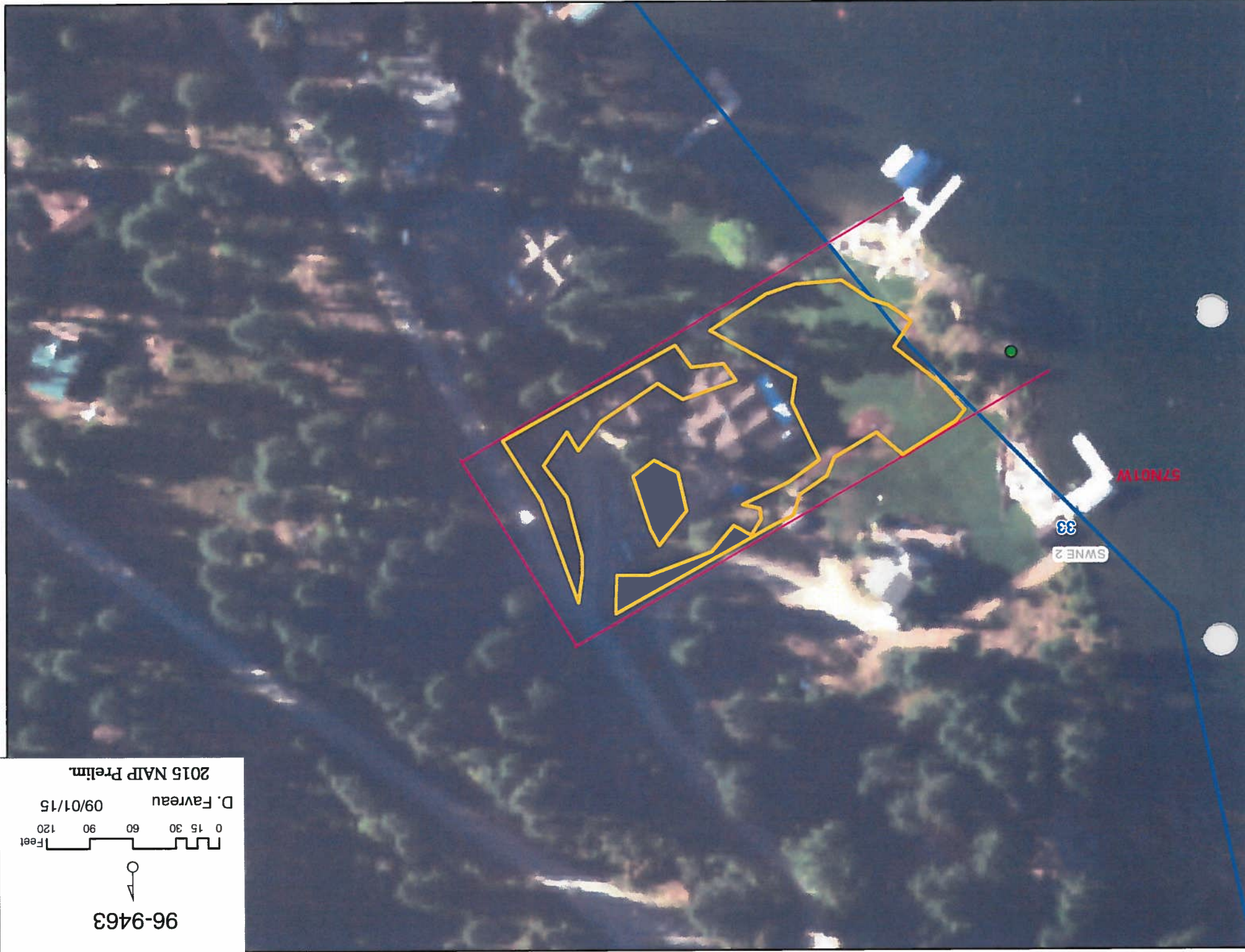
D. Favreau

09/01/15

0 15 30 60 90 120
Feet



96-9463



96-9463

D. Favreau 09/01/15

2015 NAIP Prelim.

0 15 30 60 90 120 Feet

Scale bar and north arrow.

THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 96-9461
 Reviewer: D. Favreau
 Date of Review: 9/1/2015

P/D No.:	Senerio 1	Senerio 2	Senerio 3
PUMP HORSEPOWER	1	1	1
BOOSTER HORSEPOWER	0	0	0
PUMPING LEVEL	80	80	80
DISCHARGE PRESSURE	40	50	60
RATE OF FLOW (cfs)	0.04 16	0.03 14	0.03 13
			0.03 14.27

The above calculates the formula =

$$Q = \frac{8.8 * (\text{Efficiency}) * \text{hp}}{\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}}$$

Assumptions: %70 efficiency.
 No Friction

Examiners Notes:

The horsepower as indicated on application. The pressure was estimated by using the standard for pressure tank turn on and shut off of 40 to 60 psi. The lift was estimated using the maximum deliniation between the topo map's elevation lines along the property.