

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

A. GENERAL INFORMATIONPermit No: 96-9720Exam Date: < >7/26/20191. 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 onlyc. Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or lessd. Other < >

2. Current Owner: Name: John S Livingston and Nancy H Livingston

Owner of Record Correct? X Y NAddress of Record Correct? X Y N

If No: Address

3. Fees have been paid: X Y N Receipt No: C107079**4. SOURCE**

Pend Oreille River

Method of Determination: GIS Examination

Change in Source:

TRIBUTARY

Columbia River

 Y X N**B. OVERLAP REVIEW**1. Other water rights with the same place of use: NONE

Water Right No.	Source	Purpose of Use	Basis
96-8548	Ground Water	Domestic and Irrigation	License

Comments: Although WR 96-8548 is for Irrigation and Domestic, condition #2 on the right specifically states it does not include lawn, garden, landscape or other types of irrigation. In section 12 of the application for permit 96-9720, the applicant stated they propose to pump water from the Pend Oreille River to be used to irrigate domestic landscaping.

2. Other water rights with the same point of diversion: X NONE

Water Right No.	Source	Purpose of Use	Basis

Comments: No overlap

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

Source	Govt. Lot	¼	¼	¼	Sec	Twp.	Rge.		County
Pend Oreille River	2		NW	NE	35	57N	03W	B.M.	Bonner
								B.M.	
								B.M.	

Method of Determination: GIS Examination

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

2. **PLACE OF USE:** 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	
57N	03W	35		X															
		Lot #		2															
Total Acres =																			N/A

Method of Determination: GIS Examination

Change in POU? Y X N Amendment Required? Y X N3. Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable. X Aerial Photo Attached (required for irrigation of 10+ acres). 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
		1.5		Red Lion	70 GPM

*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

2. Measurements: None Taken**E. FLOW CALCULATIONS** Additional Computation Sheets Attached

Measured Method: N/A

Measurement = N/A cfs

Permit allowed = 0.04 cfs

License recommend for 0.04 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: 1.2 afa for irrigation per Application Processing Memo 22.

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\hspace{2cm}}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \underline{\hspace{2cm}}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{\hspace{2cm}}$$

2. Volume Calculations for Other Uses:

G. PURPOSE OF USEIrrigation ☐ Y ☒ N # Stock _____ Domestic # of Homes 1

Other: < >

Change in Purpose of Use? ☐ Y ☒ N

Method of Determination: Per application and beneficial use statement

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

H. NARRATIVE/REMARKS/COMMENTS

This permit is for 0.04 cfs for Domestic use. The original application, submitted September 11, 2018, stated the proposal is to pump water from the Pend Oreille River to irrigate domestic landscaping. The application also stated the system will comprises of a 1.5 hp pump connected to the sprinkler system and in home system. Per application processing memo 22, I am recommending an annual volume of 1.2 afa because irrigation is included in the Domestic use. This annual volume limit was also included on a condition on the permit and this condition will be carried over to the license. Proof of beneficial use was submitted on June 24, 2019. Examination of NAIP imagery from 2017 (closest to 2019 available) clearly shows a home and irrigated landscaping on the property. Additionally, examinations of Sentinel data from late September, 2018 and May and June, 2019 show obvious signs of irrigation on the property.

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>
Domestic	1/1 to 12/31	0.04 CFS	1.2 AF
<u>Totals:</u>		0.04 CFS	1.2 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 ☒ None

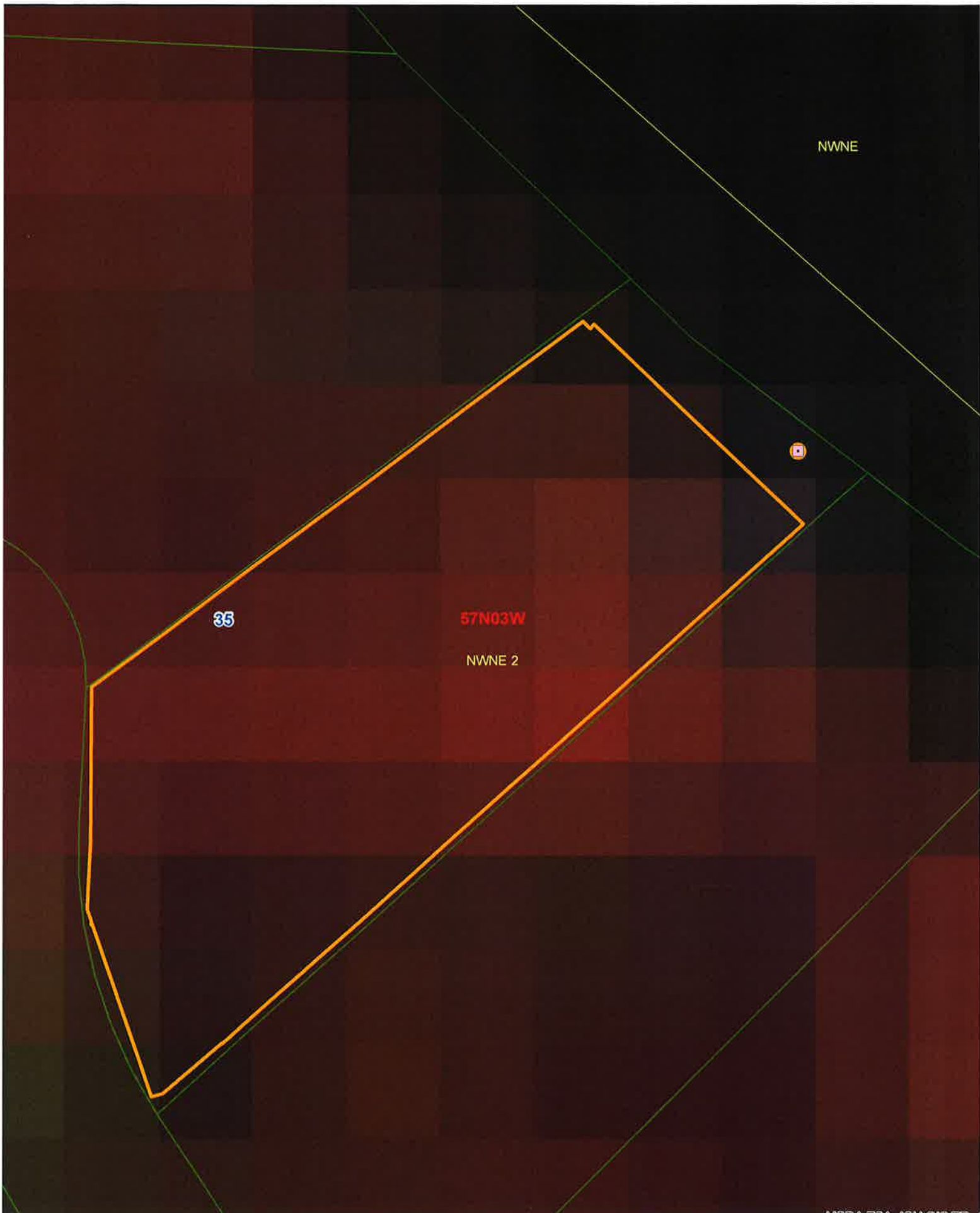
Other: < >

J. AUTHENTICATION Scott Storms Water Resource Agent, SeniorField Examiner's Name [Signature] Date 7/26/19Reviewer [Signature] Date _____

NAIP Imagery 2017



Sentinel September 14, 2018



Sentinel June 14, 2019

