

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

**A. GENERAL INFORMATION**

**Permit No:** 37-8822  
**Exam Date:** 06/17/2020

1. Current Owner:  
STENEHJEM HOLDINGS LLC  
PO BOX 607  
WATFORD CITY ND 58854-0607
2. Accompanied by: Alfredo Munoz  
Phone No: 208-309-0211  
Address: NA  
Relationship to permit Holder: Property manager

3. **SOURCE:**  
UNNAMED STREAM

**Tributary**  
BIG WOOD RIVER

**Method of Determination:** ArcMap aerial imagery and site visit

**B. OVERLAP REVIEW**

1. Other water rights with the same place of use:

Water Right No.	Source	Purpose of Use	Basis

Comments: Only overlapping rights are irrigation rights 37557, 37-558, 37-559, and 37-8502.

2. Other water rights with the same point-of-diversion: None

Water Right No.	Source	Purpose of Use	Basis

Comments: \_\_\_\_\_

**C. DIVERSION AND DELIVERY SYSTEM**

1. **LOCATION OF POINT(S) OF DIVERSION:**

UNNAMED STREAM L2 ( NW¼ NE¼), Sec. 5, Twp 02N, Rge 18E, B.M. BLAINE County

Method of Determination: ArcMap aerial imagery, site visit, and GPS location of POD

**PLACE OF USE:** AESTHETIC STORAGE

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
02N	18E	5		X L2															

Method of Determination: ArcMap aerial imagery and site visit

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
NA					

**D. FLOW MEASUREMENTS**

1.

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

2. Measurements: No measurement necessary, per Beneficial Use Examination rules

**E. FLOW CALCULATIONS**

\_\_\_\_\_ Additional Computation Sheets Attached

Measured Method: NA

**F. VOLUME CALCULATIONS**

1. Volume Calculations for irrigation: NA

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

$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$

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

2. Volume Calculations for Other Uses: Surface area of pond, 0.08 acres; average depth, 2.5 feet, so  $0.08 \times 2.5 = 0.2 \text{ AF}$ .

**G. NARRATIVE/REMARKS/COMMENTS**

The field exam for permit 37-8822 was conducted on June 17, 2020, with property manager Alfredo Munoz present. Mr. Munoz explained the diversion and system and we attempted to locate the POD on aerial photos which I had brought along. After returning to the office, the point we chose for the POD appeared quite close to the QQ line, which could necessitate an amendment of the permit. While in the area on June 26, 2020, I stopped back by to GPS the location. I took two readings, both of which placed the POD in the NWNE (Lot 2) rather than the permitted location of the NENE (Lot 1) of Section 5, T02N, R18E. As a result, an Amendment of Permit was mailed to the permit holder. The amendment will also clarify the source description as "Unnamed Stream, tributary to the Big Wood River", because the POD is not fed directly by springs, as described on the permit. The place of use description will be limited to the actual location of the pond, NWNE (Lot 2), Section 5, T02N, R18E, while dropping the NENE (Lot 1).

Water is piped by gravity from the large pond/unnamed stream through two 3" pipes about 35' into a vertical CMP pipe where it is pumped up about 3' into a lined ditch that runs around the north side of the home into the aesthetic storage pond which is the focus of this permit. The pond's depth varies, but appears to average about 2.5' deep and has a surface area of approximately 0.08 acres, giving it the permitted storage volume of 0.2 AF. The pond is also lined, so seepage loss is very minimal. The pond is surrounded by large trees which provide shade and wind protection, minimizing evaporative losses. After water leaves the pond, it travels in a lined ditch back into the unnamed stream below the large pond.

Per Beneficial Use Exam rules, no measurement was made of the flow rate, and the permitted rate of 0.1 cfs will be recommended for licensing. The permitted volume of 0.2 AF will also be recommended.

A condition requiring lockable controlling works and a measuring device is present on the permit, but an order waiving those requirements was issued in August of 1994, and is included with this Beneficial Use Report.

Have conditions of permit approval been met? ☒ Yes ☐ No

**H. RECOMMENDATIONS****1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Annual Volume</u>
AESTHETIC STORAGE	1/01 to 12/31		0.2 AF
DIVERSION TO STORAGE	1/01 to 12/31	0.10 CFS	
<u>Totals:</u>		0.10 CFS	0.2 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

**I. AUTHENTICATION**

Field Examiner's Name Jim Bitzenburg Date 7-1-20  
Jim Bitzenburg - Senior Water Resource Agent

Reviewer \_\_\_\_\_ Date \_\_\_\_\_



POD – Two 3" diameter PVC pipes carry water by gravity from large pond to sump.

Sump – Submerged pump lifts water approximately 3' to head of stream.







View of the pond looking upstream. Outlet stream in foreground, inlet stream at arrow.

View of pond.







Close-up views of pond.







View of stream after it exits pond. Note lining of stream in foreground. Pond is also lined.

Stream (under foliage, behind arrow) as it enters main stream (at right) below large pond.





BEFORE THE DEPARTMENT OF WATER RESOURCES  
OF THE  
STATE OF IDAHO

IN THE MATTER OF CHANGING THE  
FLOW MEASUREMENT DEVICE AND  
LOCKABLE CONTROLLING WORKS CONDITIONS  
OF APPROVAL FOR PERMIT NO. 37-08822 IN  
THE NAME OF EDWARD F. O'GARA III

ORDER

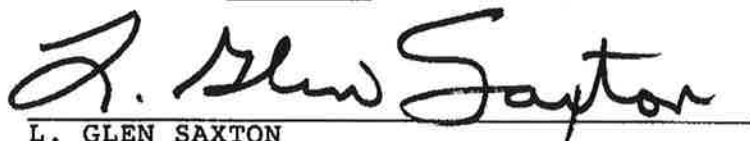
WHEREAS, the Department of Water Resources (department) has issued the above captioned water right permit with a condition of approval requiring the permit holder to install a measuring device and lockable controlling works to facilitate the measurement and determination of the rate of diversion by the department; and

WHEREAS, the department has determined that the rate of diversion for certain surface water uses can be estimated by the department without the use of a measuring device; and,

WHEREAS, the department has determined a lockable controlling works is not necessary at this time;

IT IS THEREFORE, HEREBY ORDERED that the condition of approval requiring the installation of a measuring device and lockable controlling works for the above captioned permit be WAIVED. The department retains jurisdiction to require the condition be reinstated in the future upon a finding of need by the department.

Dated this 30<sup>th</sup> day of August, 1994.

  
L. GLEN SAXTON  
Chief, Water Allocation Bureau

SEP 09 1994

# 37-8822 POD, POU Map & System Diagram



## Legend

- Township/Range
- Sections
- QQ

0 0.0050.01 0.02 Miles

