



IDAHO DEPARTMENT OF
WATER RESOURCES

BRBA FIELD EXAMINATION REPORT

**Claim Number: 11-8745,
11-7668**

**Exam Date: 06/15/2026 &
07/16/2026**

Exam Time: 2:00 PM

IDWR Staff Present: Brent Bonney, Jose Pacheco, Brian Wunsch

Claimant/Representative Present:

☐ **No**

☒ **Yes**

Exam Location: 4545 NOUNAN RD MONTPELIER ID 83254-5006

Examiner's Signature:

Purpose of Exam: Beneficial Use Irrigation and Stockwater claims.

Summary of Exam: Met with claimant Sean Bartschi. Sean showed us the pond where they capture spring water and divert it to a field to flood irrigate that stock also drink from. Sean gave us a history of the POD and POU to the best of his knowledge. Agents returned on 07/16/2026 to take flow measurements.

Exam Narrative: Irrigation and development of the land began in the early 1940's. This area had army barracks constructed for a Japanese internment camp. The Japanese Americans in these camps would grow cabbage in the field just north of the claimed POU. Sean showed us where the foundations to the army barracks were located. The foundations are still visible. The pond was speculated to have been built around this time for the camp. Sean then took us to the head gates that direct the water out of the pond. There are two diversions. One headgate diverts the water into a pipe that flows north parallel to the road. The other headgate opens into a spillway that runs to a 6 inch pipe that goes under the road. It flows out of the pipe and into a trough in the stock pen area where it continues to flow into the field that they flood irrigate. Sean then took us to the pipe that captures the spring and we obtained a GPS point. Sean told us that spring has never run dry, however sometimes there is not enough water to send out of the headgate. It should be noted that measurements were taken during a historic drought year in the middle of one of the hottest summers on record.

Explanation of Elements not Examined:

- ☐ **POD:**
- ☒ **POU:** While we could see the water flowing to the POU we did not walk its perimeter.
- ☐ **Quantity:**
- ☐ **Other:**

Amendments Needed:

- ☒ **No**
- ☐ **Yes:**

Flow/Volume Calculations:

Disclaimer: This test was taken during a historic drought 5 gallon bucket test taken from the 6 inch pipe that runs into the stock trough that is visible in photo A. The 5 gallon bucket was placed under the pipe and timed from the moment it started to fill with water until the moment the water overflowed from the bucket.

Calculations:

Fill times for a 5-gallon bucket:

3.67 sec

3.61 sec

3.48 sec

3.51 sec

3.61 sec

Computing the average fill time

Add all times:

$$3.67 + 3.61 + 3.48 + 3.51 + 3.61 = 17.88 \text{ seconds}$$

Divide by number of trials (5):

$$17.88 \div 5 = 3.576 \text{ seconds (avg.)}$$

Convert to gallons per second (GPS)

Flow rate in GPS = 5 gallons ÷ average time

$$5 \div 3.576 = 1.398 \text{ gallons per second}$$

Convert gallons per second to gallons per minute (GPM)

Multiply GPS × 60:

$$1.398 \times 60 = 83.89 \text{ gallons per minute}$$

Convert GPM to cubic feet per second (CFS)

Conversion factors:

$$1 \text{ gallon} = 0.133681 \text{ cubic feet}$$

$$1 \text{ minute} = 60 \text{ seconds}$$

Step 1: Convert GPM to cubic feet per minute (CFM):

$$83.89 \times 0.133681 \approx 11.215 \text{ cubic feet per minute}$$

Step 2: Convert CFM to CFS:

$$11.215 \div 60 \approx 0.1869 \text{ cubic feet per second}$$

System Map:



POD

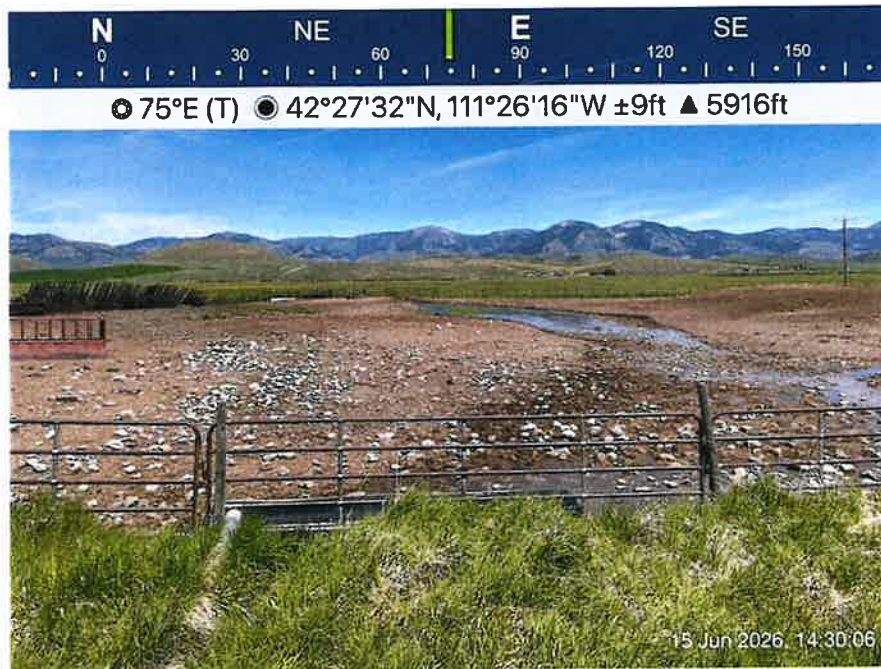


POU



Photos:

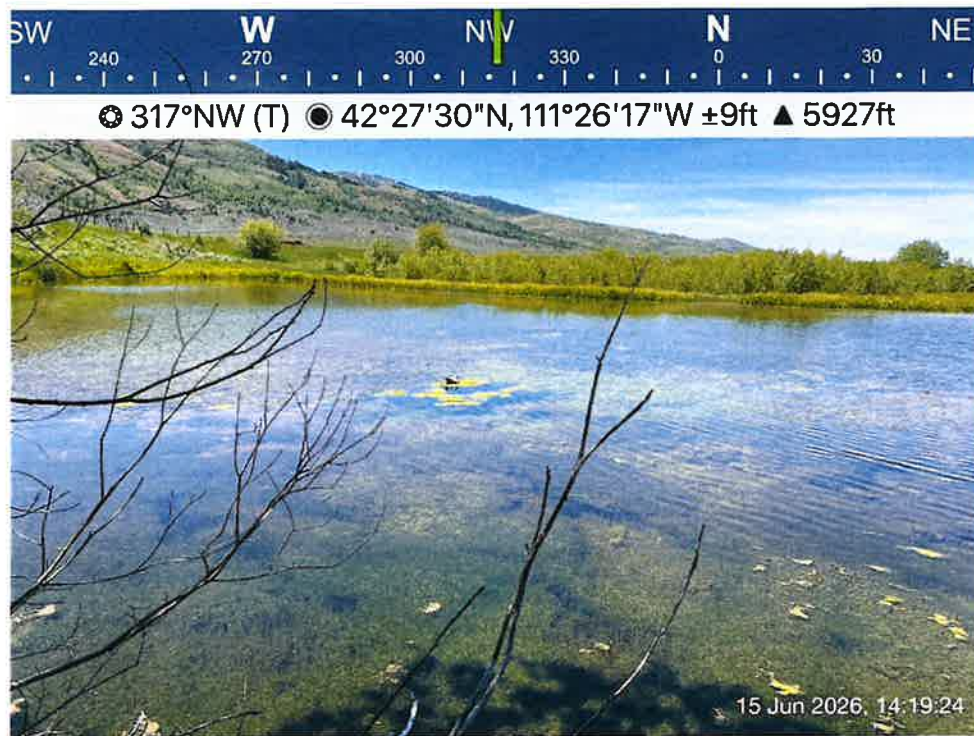
A.



B.



C.



D.



E.

