



IDAHO DEPARTMENT OF
WATER RESOURCES

BRBA FIELD EXAMINATION REPORT

Claim Number: 11-4021

Exam Date: 7/30/2026

Exam Time: 2:00 PM

IDWR Staff Present: Brian Wunsch & Jose Pacheco.

Claimant/Representative Present: Bruce Wallentine & Tyler Saxton.

☐ **No**

☒ **Yes**

Exam Location: 0.3 miles west on Derricott Lane off of HWY 36, Montpelier.

Examiner's Signature:

Purpose of Exam: Verify POD location, diversion works, and rate of diversion.

Conclusion of Exam: The POD location was verified and an updated map was signed by Bruce in the field. The diversion works were documented and Tyler emailed over design drawings for the system. The theoretical rate (44.11 cfs) exceeds the claimed rate (28 cfs).

Exam Narrative:

We met Tyler and Bruce on Derricott Lane and walked north to the POD on Mill Creek. There, they described the components of the updated diversion works. Where there was originally a diversion to a ditch, now exists an engineered structure that allows for controlled flow into a 30" HDPE pipe. In 2011, this pipe was installed and buried where the old ditch channel ran. At a point 360' south of the POD, there is an analog impeller-style flow meter. At the time of this exam, a reading could not be taken because there was a break in the service line downstream that had just been repaired and they were charging the line back up. The line was almost fully charged, as there was some water and air coming out of the air relief valve near the POD.

The adjudication claim described the POD as a centroid and was not an accurate representation. I brought a map of the general POD area for corrections to be made. Bruce marked on the map where the POD actually is and he signed the map. This is uploaded into Laserfiche.

Tyler pointed out the newest additions to the system which are a metal weir and radar flow meter. Tyler has access to near-real time calculated flow readings through the weir. This data is not being considered for the diverted flow rate because this water is not captured entirely by the intake pipe.

After the exam, Tyler sent over the engineered design drawings for the diversion system. These have been uploaded into Laserfiche. Manning's equation was used in the office to calculate a theoretical maximum rate of diversion. The theoretical rate (44.11 cfs) exceeds the claimed rate (28 cfs).

Explanation of Elements not Examined:

☐ **POD:**

☒ **POU:** The detailed maps provided with the claim were analyzed in the office.

☐ Quantity:

☐ Other:

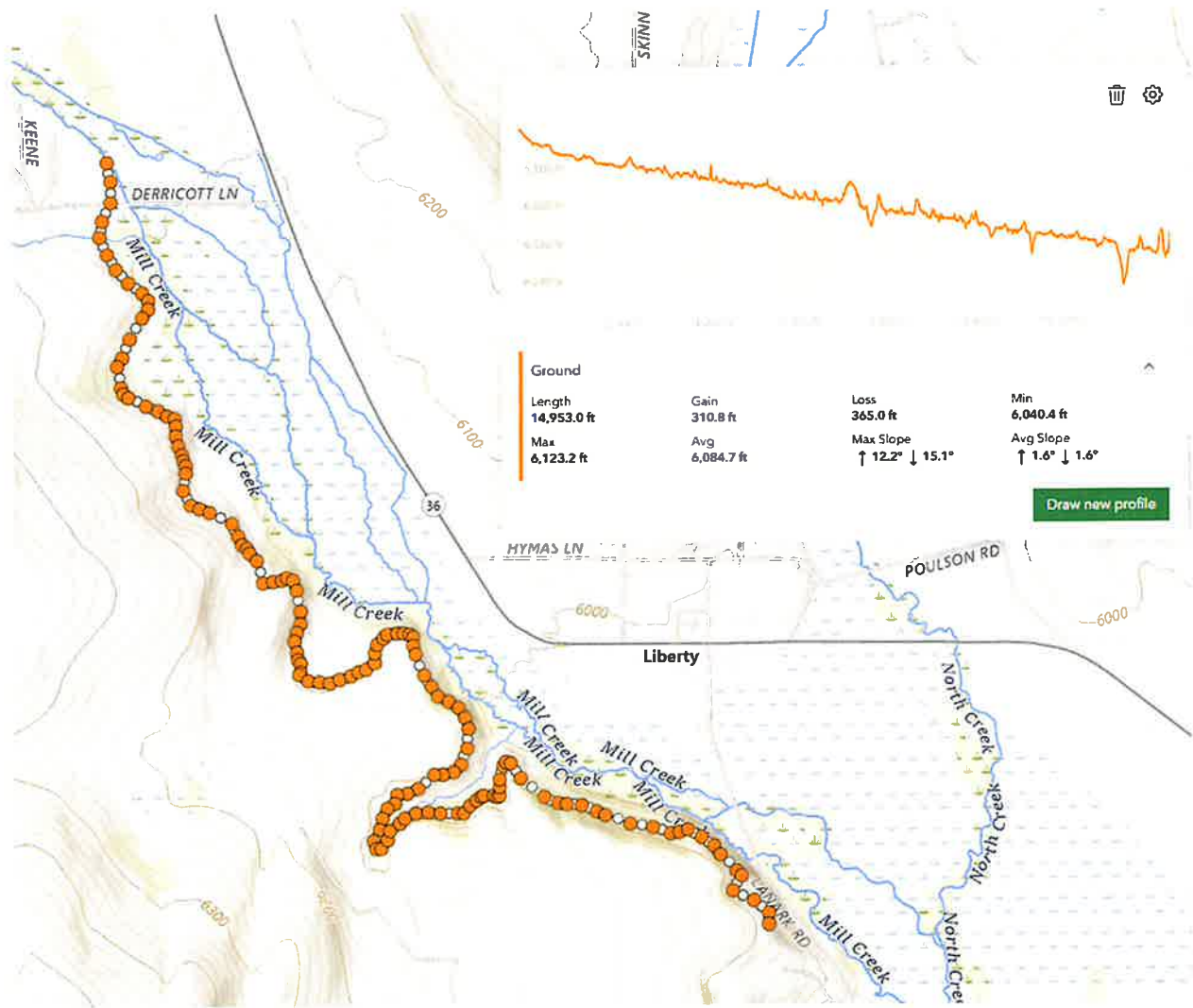
Amendments Needed:

☒ No

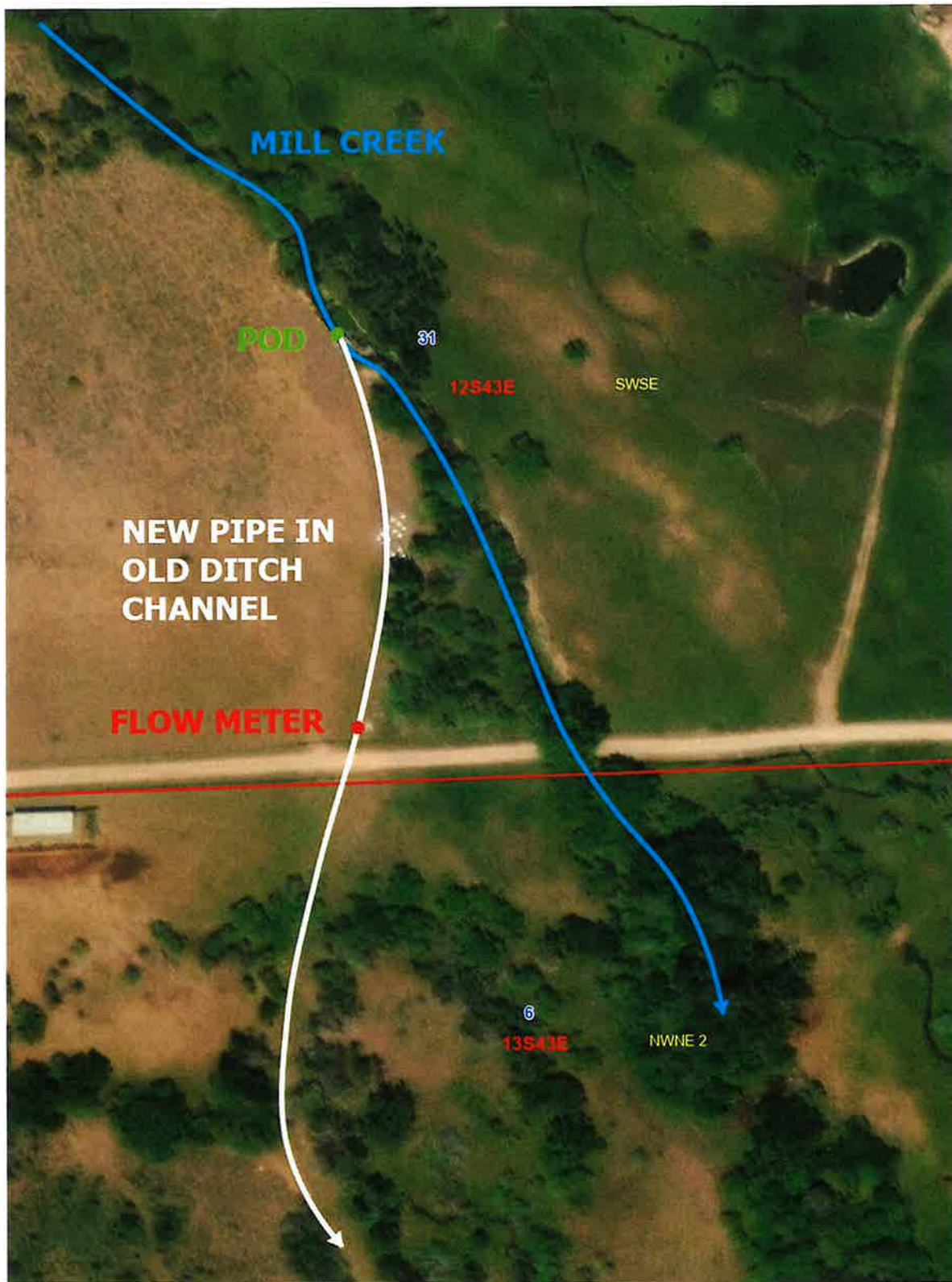
☐ Yes:

Flow/Volume Calculations:

Manning's Equation Calculator for Flow Rate in a Circular Conduit Flowing Full		
S =	0.0055	ft/ft
n =	0.009	manning's coefficient
d =	30.0	pipe diameter (inches)
D =	2.50	pipe diameter (feet)
r =	1.25	pipe radius (feet)
A =	4.91	area (ft ²)
WP =	7.85	wetted perimeter (ft)
R =	0.63	hydraulic radius (ft)
Q = 44.11 flow rate (CFS)		



System Map:



Photos:



Photo 1: Diversion works looking upstream.



Photo 2: Diversion works looking downstream.



Photo 3: Flow meter on 30" HDPE pipe.