



U.S. DEPARTMENT OF THE INTERIOR  
U.S. Geological Survey

Meas #: 107

## SITE VISIT NOTES

Processed by \_\_\_\_\_

Checked by \_\_\_\_\_

SVMobile ver. 1.0.2 Stylesheet SWAMI\_SS1 ver. 1.5.1

**Site Visit Summary****357005 - Blitzen blw Sodhouse Dam, Malheur NWR**

Date: 2025-06-03

Start Time: 07:00:00 PST

End Time: 07:51:04 PST

Party: KEK

Weather: clear, cool, no precip, calm winds

Recorder record removed.

**Site Visit Tasks**

Discharge Measurement:

Water Temp with Acoustic Meas:

Control Inspection:

**Comment:**

Battery issues. Batteries are fully charge but the M9 indicates a low charge. Skipped moving bed test and shortened measurement time due to low power indication.

**Discharge Measurement Summary****Meas No: 107****Gage Ht: 6.98 ft.****Total Meas Flow: 400.0 cfs (Measured)**

Meas Start Time: 07:39:00

Meas End Time: 07:51:00

Gage Ht Change: 0 ft.

Meas Duration: 0.5 hrs.

Meas Rated: Poor (8%+)

Base Flow? Unspecified

**Rating Information:**

Meas. plots: \_\_\_\_\_% Different from rating no. \_\_\_\_\_ Indicated shift: \_\_\_\_\_

**Comment:**

Measurement Poor

**Channel 1 (Main) Summary - ADCP Measurement****Cableway Measurement Details**Total Area: 204.067 ft<sup>2</sup>

Total Width: 38.635 ft

Mean Vel: 1.962 ft/s

Boat/Motor: HydroboardII

Vel Method: ADCP

Discharge: 400.0 cfs

**Computational Parameters**

Nav Method: DGPS using position

Transducer Depth: NaN ft.

Depth Ref: QRev only

Weighted Mean Depth: QRev only

Composite Depths: QRev only

Composite Tracks: QRev only

MagVar: 13.6

Depth Sounder: NO

Top Est: Constant / See file for exponent

Bottom Est: No slip / See file for exponent

GPS: RTK

**Channel Characteristics**

Horiz Flow: Even Vel Desc: steady

Vert Vel Desc: standard Channel Conditions: even , firm , silt-mud

Sect Loc.: Downstream - 100 ft. to gage

**Filters**

BT 3-Beam Solution:  
 WRII/QRev only  
 WT 3-Beam Solution:  
 WRII/QRev only  
 BT Error Vel: WRII/QRev only  
 WT Error Vel: WRII/QRev only  
 BT Up Vel: WRII/QRev only  
 WT Up Vel: WRII/QRev only  
 GPS Altitude:  
 GPS HDOP Max:  
 GPS HDOP Chng:

**Channel Statistics**

Max Vel: ft/s  
 Max Depth: ft  
 Mean Depth: ft  
 % Meas: 72.19

**ADCP**

Type/Freq: unspecified 00055 - unspecified VADCP /  
 MULT kHz  
 Serial #: generic - Multiple Firmware:  
 Blank: Suspension: Tethered  
 boat  
 Deployment: Cableway

**Tests and QA**

Time Synced: YES at 07:25:00  
 Performed Diag Test: YES,  
 Compass Calibrated: YES  
 Moving Bed Test: QRev only  
 Moving Bed Detected: NO

**ADCP Measurement Review Information**

ADCP Software:  
 Duration: QRev only  
 Q COV: 2.02%  
 Width COV: QRev only  
 Area COV: QRev only  
 % Q Left Edge: QRev only  
 % Q Right Edge: QRev only  
 % Q Invalid Cells: QRev only  
 % Q Invalid Ensembles: QRev only  
 Estimated 95% Base Uncertainty:

**Gage Readings**

| Time                                                | Non-Subm Pres Tran<br>(357005)<br>Name: 357005 |
|-----------------------------------------------------|------------------------------------------------|
| 07:15:00                                            | 7.00                                           |
| Key: Blue=Primary Reference; Green=Primary Recorder |                                                |

**Sensor Inspection****Non-Subm Pres Tran**

Serial No: 357005 Name: 357005  
 Gas Type: Air Orif Serviced: Purged  
 Service Time: 07:05:00  
 Des Cond: Good Des Chng: NO

**Streamflow Control Inspection**

| Type    | Dist to Gage (ft) | Cleaned? | Time Cleaned | Condition |
|---------|-------------------|----------|--------------|-----------|
| Channel |                   | NO       |              | Clear     |