



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

Meas #: 106

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: 2025-03-12

Start Time: 11:03:00 PST

End Time: 13:53:07 PST

Party: KEK

Weather: mostly cloudy, cold, no precip, calm winds

Recorder record removed.

Site Visit Tasks

Discharge Measurement:

Water Temp with Acoustic Meas:

Control Inspection:

Comment:

No outside staff read, staff gage below water level

Discharge Measurement Summary**Meas No: 106****Gage Ht: 8.01 ft.****Total Meas Flow: 629.0 cfs (Measured)**

Meas Start Time: 13:33:00

Meas End Time: 13:53:00

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: _____

Channel 1 (Main) Summary - ADCP Measurement**Cableway Measurement Details**Total Area: 240.146 ft²

Total Width: 39.779 ft

Mean Vel: 2.619 ft/s

Boat/Motor: HydroboardII

Vel Method: ADCP

Discharge: 629.0 cfs

Computational Parameters

Nav Method: Unspecified

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.: Unspecified - 100 ft. to gage

Filters

BT 3-Beam Solution:

WRII/QRev only

WT 3-Beam Solution:

WRII/QRev only

Channel Statistics

Max Vel: ft/s

Max Depth: ft

ADCP

Type/Freq: unspecified 00055 - unspecified VADCP / MULT kHz

Serial #: generic - Multiple Firmware:

<u>Filters</u> 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:	<u>Channel Statistics</u> Mean Depth: ft % Meas: 60.10	<u>ADCP</u> Blank: Deployment: Cableway Suspension: Tethered boat
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Tests and QA

Time Synced: YES at 13:00:00
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: 2.00%
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 (357005) Name: 357005
13:30:00	8.05
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: 12:30:00	
Des Cond: Good	Des Chng: NO

Streamflow Control Inspection

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