



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

Meas #: 104

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, Malheur NWR**

Date: 2024-06-27

Start Time: 14:20:00 PST

End Time: 16:31:12 PST

Party: KEK

Weather: clear, hot, no precip, light wind, swirling/variable

Recorder record removed.

Site Visit Tasks

Discharge Measurement:

Water Temp with Acoustic Meas:

Control Inspection:

Comment:

Grebs in ADCP measurement section

Discharge Measurement Summary**Meas No: 104****Gage Ht: 4.47 ft.****Total Meas Flow: 142.0 cfs (Measured)**

Meas Start Time: 16:09:00

Meas End Time: 16:25:00

Gage Ht Change: 0 ft.

Meas Duration: 0.5 hrs.

Meas Rated: Poor (8%+)

Base Flow? Unknown

Rating Information:

Meas. plots: _____ % Different from rating no. _____ Indicated shift: _____

Comment:

M9 RTK, Grebes in measurement section

Channel 1 (Main) Summary - ADCP Measurement**Cableway Measurement Details**Total Area: 107.797 ft²

Total Width: 34.227 ft

Mean Vel: 1.321 ft/s

Boat/Motor: Hydroboard2

Vel Method: ADCP

Discharge: 142.0 cfs

Computational Parameters

Nav Method: Unspecified Transducer Depth: NaN ft.

Depth Ref: QRev only

Weighted Mean Depth:
QRev onlyComposite Depths: QRev
onlyComposite Tracks: QRev
only

MagVar: 13.7

Depth Sounder: NO

Top Est: Constant / See
file for exponentBottom Est: No slip / See
file for exponent

GPS: RTK

Channel Characteristics

Horiz Flow: Even Vel Desc: Unspecified

Vert Vel Desc: Unspecified Channel Conditions: Unspecified ,
Unspecified , Unspecified

Sect Loc.: Downstream - 100 ft. to gage

Filters**Channel
Statistics****ADCP**

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: 63.54

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 16:08:00
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: 1.18%
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
14:23:00	4.50
16:31:00	4.47
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: 14:20:00
Des Cond: Good Des Chng: NO

Streamflow Control Inspection

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