



QRev Discharge Measurement Report

1 of 4

Station Name: 06282024_Sodhouse

Station Number:

Measurement Date: 2024.06.28

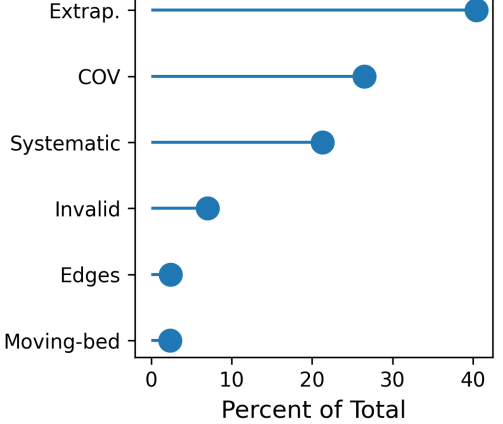
Measurement Number: 0

Discharge: 129.18

Stage: 0.00

User Rating: Not Rated

Processed: 2024.08.08 08:26:37

Field Crew:		Discharge Summary		Cross Section	
Processed By:	sarah	Discharge (ft3/s):	129.18	Mean Velocity (ft/s):	1.084
Software:	QRev	Navigation Ref.:	bt_vel	Max. Velocity (ft/s):	2.481
Version:	4.37	Total Duration (s):	1005.2	Mean Depth (ft):	3.981
ADCP		Start Time:	16:16:10	Max. Depth (ft):	5.837
Manufacturer:	TRDI	End Time:	16:41:08	Width (ft):	29.955
Model:	StreamPro	Stage Start:	0.00	Width COV (%):	2.34
Serial Number:	2673	Stage End:	0.00	Area (ft2):	119.252
Firmware:	31.19	Mean Stage:	0.00	Area COV (%):	3.12
Frequency (kHz):	2000	Mean Boat Speed (ft/s):	0.122	Uncertainty	
Premeasurement		Top Extrap:	Constant	Uncertainty Method: QRev	
W. Temp. (C):	21.75	Bottom Extrap:	No Slip	95% Total Uncertainty: 6.5 	
W. Temp. ADCP (C):		Extrap Exponent:	0.7680		
System Test:	Passed	Discharg COV (%):	2.10		
Compass Cal/Eval:	0.83	Top Q (%):	10.04		
Magnetic Variaton:	13.5	Measured Q (%):	78.02		
MovBed Test Type:	Loop	Left Q (%):	2.06		
MovBed Test Quality:	Warnings	Right Q (%):	1.29		
MovBed Test Dur.(s):	307.4	Bottom Q (%):	8.59		
Max MovBed (%):	0.36	Invalid Cells Q (%):	0.22		
Q Correction (%):	0.00	Invalid Ensembles Q (%):	8.37		

Automated QA Messages:

WARNINGS

Cautions

- bt-Int. Q for consecutive invalid ensembles exceeds 3.0%;
- Extrapolation: The extrapolation uncertainty is more than 2 percent;
- Carefully review the extrapolation;
- Moving-Bed Test: The moving-bed test(s) has warnings, please review tests to determine validity;
- Transects: ['06282024_Sodhouse_0_000_24-06-28', '06282024_Sodhouse_0_002_24-06-28', '06282024_Sodhouse_0_006_24-06-28', '06282024_Sodhouse_0_007_24-06-28'] have battery voltage less than 10.5
- Site Info: Station number not entered;
- Extrapolation: User modified default automatic setting.



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Comments:

- MMT Remarks:
- [Main, 2024-08-08 08:21:34, sarah]: Transects 001 and 004 removed in WinRiver due to zero good bins issue within transect. Transects 003 and 005 removed during Qrev processing due to bottom tracking warning on 003. Disruption could be due to growing vegetation at bottom of transect or possible carp disruption, transect will be cleaned prior to next measurement to address this issue.
- [MovBedTst, 2024-08-08 08:23:54, sarah]: No moving bed very likely, multiple zero bin disruptions could be due to growing veg.
- [Extrap, 2024-08-08 08:25:45, sarah]: Automated extrapolation chosen best fit.
- [Main, 2024-08-08 08:26:10, sarah]: No station number for this location
- [2024-08-08 08:26:32, sarah]: File Saved Q = 129.18 ft3/s (Uncertainty: 6.5%)

ID	File Name
0	06282024_Sodhouse_0_000_24-06-28.PD0
2	06282024_Sodhouse_0_002_24-06-28.PD0
6	06282024_Sodhouse_0_006_24-06-28.PD0
7	06282024_Sodhouse_0_007_24-06-28.PD0

Transect ID	Start Edge	Start Time	End Time	Duration (sec)	Top Q (ft3/s)	Middle Q	Bottom Q	Left Q (ft3/s)	Right Q (ft3/s)	Total Q (ft3/s)
						(ft3/s)	(ft3/s)			
0	Left	16:16:10	16:20:39	269.1	12.88	101.5	10.58	2.47	1.33	128.76
2	Right	16:22:20	16:26:38	257.7	12.74	99.2	12.46	2.0	2.34	128.75
6	Left	16:36:59	16:41:00	240.7	12.87	99.58	9.67	2.68	1.55	126.34
7	Right	16:41:08	16:45:06	237.6	13.39	102.87	11.66	3.52	1.44	132.88
				1005.2	12.97	100.79	11.09	2.67	1.66	129.18

Transect ID	Start Edge	Left Edge Type	Left Dist. (ft)	Left Edge # Ens.	Left Edge Coeff.	Right Edge Type	Right Dist (ft)	Right Edge # Ens.	Right Edge Coeff.
0	Left	Triangular	3.50	10	0.3535	Triangular	2.00	10	0.3535
2	Right	Triangular	2.00	10	0.3535	Triangular	3.50	10	0.3535
6	Left	Triangular	3.50	10	0.3535	Triangular	2.00	10	0.3535
7	Right	Triangular	3.50	10	0.3535	Triangular	2.00	10	0.3535



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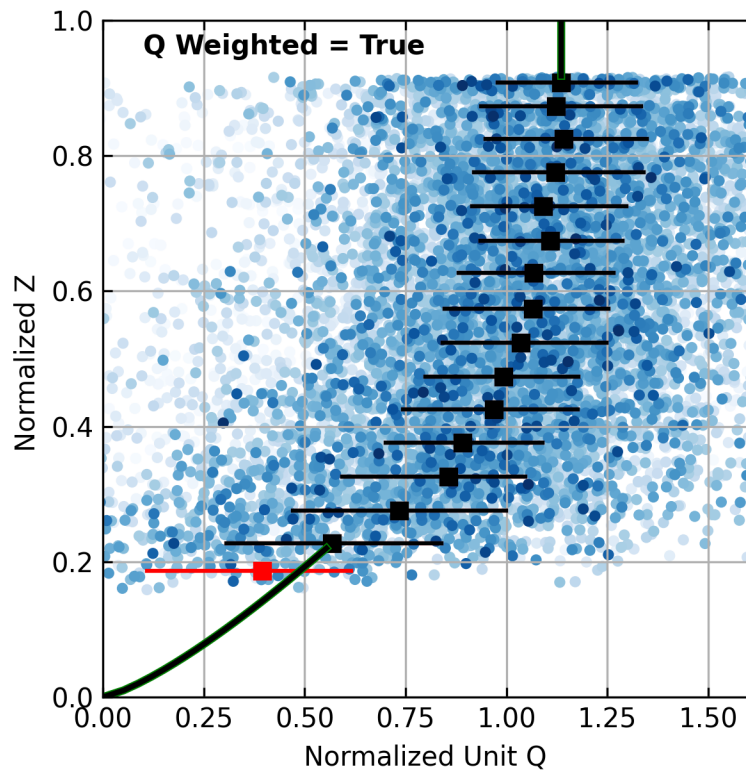
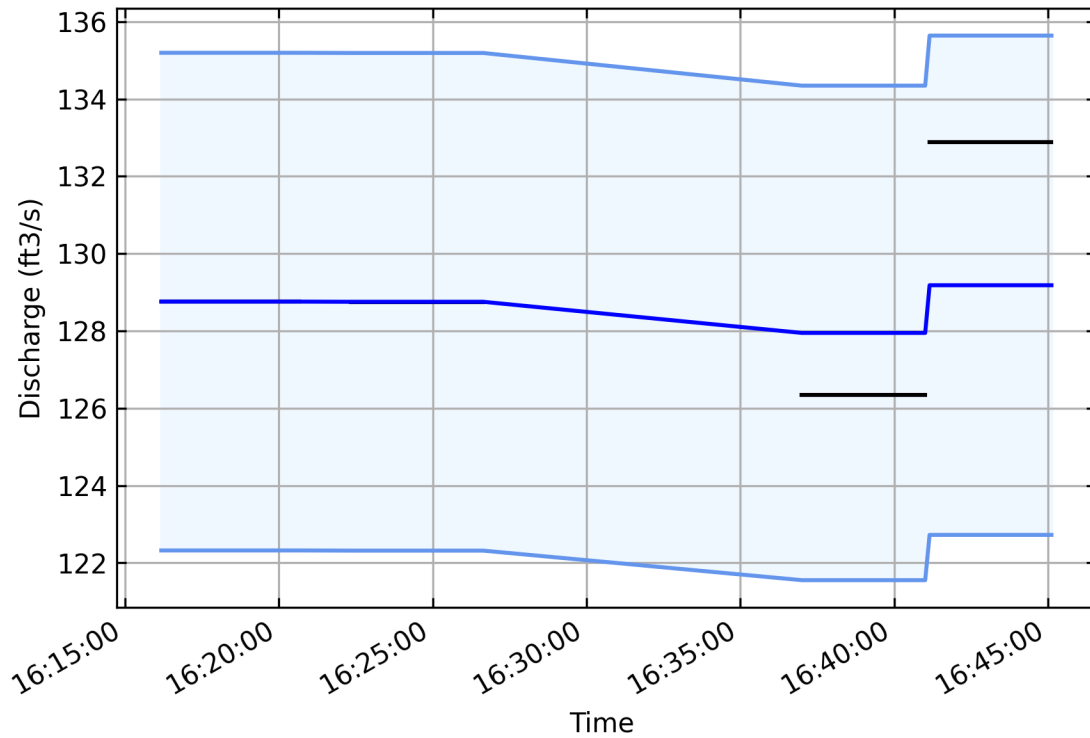
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