



QRev Discharge Measurement Report

1 of 4

Station Name: 05132024_PageSprings

Station Number:

Measurement Date: 2024.05.31

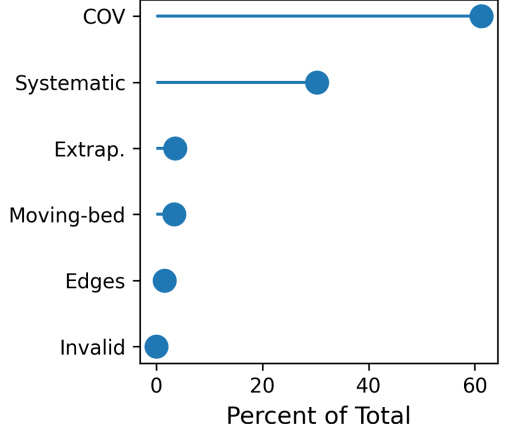
Measurement Number: 0

Discharge: 323.0

Stage: 0.00

User Rating: Not Rated

Processed: 2024.07.14 10:25:22

Field Crew:		Discharge Summary		Cross Section	
Processed By:	sarah	Discharge (ft3/s):	323.0	Mean Velocity (ft/s):	3.127
Software:	QRev	Navigation Ref.:	bt_vel	Max. Velocity (ft/s):	5.071
Version:	4.36	Total Duration (s):	793.1	Mean Depth (ft):	2.114
ADCP		Start Time:	09:55:11	Max. Depth (ft):	2.759
Manufacturer:	TRDI	End Time:	10:06:20	Width (ft):	48.881
Model:	StreamPro	Stage Start:	0.00	Width COV (%):	2.74
Serial Number:	2673	Stage End:	0.00	Area (ft2):	103.346
Firmware:	31.19	Mean Stage:	0.00	Area COV (%):	2.96
Frequency (kHz):	2000	Mean Boat Speed (ft/s):	0.297	Uncertainty	
Premeasurement		Top Extrap:	Power	Uncertainty Method: QRev	
W. Temp. (C):	7.1	Bottom Extrap:	Power	95% Total Uncertainty: 5.5 	
W. Temp. ADCP (C):		Extrap Exponent:	0.2125		
System Test:	Passed	Discharg COV (%):	2.68		
Compass Cal/Eval:	0.32	Top Q (%):	18.83		
Magnetic Variaton:	0.0	Measured Q (%):	64.45		
MovBed Test Type:	Loop	Left Q (%):	0.23		
MovBed Test Quality:	Good	Right Q (%):	2.04		
MovBed Test Dur.(s):	324.6	Bottom Q (%):	14.45		
Max MovBed (%):	0.43	Invalid Cells Q (%):	0.05		
Q Correction (%):	0.00	Invalid Ensembles Q (%):	0.05		

Automated QA Messages:

WARNINGS

- TEMPERATURE: The difference between ADCP and reference is > 2: 2.0 C;

Cautions

- Transects: The number of invalid ensembles at the left edge exceeds 5 percent;
- Transects: The number of invalid ensembles at the right edge exceeds 5 percent;
- Site Info: Station number not entered;
- Temperature: User modified independent temperature.

Comments:

- MMT Remarks:
- [Temp/Sal, 2024-07-14 10:22:12, sarah]: ADCP allowed to sit in water with reference sonde (Independent) for 10 minutes to equilibrate, cannot rectify difference.
- [Main, 2024-07-14 10:24:37, sarah]: Transect 000 red in WinRiver file, 000 and 001 removed.



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User Rating: Not Rated

Processed: 2024.07.14 10:25:22

Comments:

- [2024-07-14 10:25:18, sarah]: File Saved Q = 323.09 ft³/s (Uncertainty: 5.5%)

ID	File Name
2	0_002.PD0
3	0_003.PD0
4	0_004.PD0
5	0_005.PD0

Transect ID	Start Edge	Start Time	End Time	Duration (sec)	Top Q (ft ³ /s)	Middle Q	Bottom Q	Left Q (ft ³ /s)	Right Q (ft ³ /s)	Total Q (ft ³ /s)
						Q (ft ³ /s)	Q (ft ³ /s)			
2	Left	09:55:11	09:58:11	180.2	60.2	206.0	47.1	0.836	6.95	322.0
3	Right	09:58:20	10:02:07	226.6	63.2	216.0	48.1	0.572	6.22	334.0
4	Left	10:02:43	10:06:10	206.9	60.7	209.0	45.8	1.14	6.56	323.0
5	Right	10:06:20	10:09:20	179.5	59.2	201.0	45.7	0.482	6.64	313.0
				793.1	60.8	208.0	46.7	0.757	6.59	323.0

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.
2	Left	Triangular	0.76	10	0.3535	Triangular	1.07	10	0.3535
3	Right	Triangular	0.76	10	0.3535	Triangular	1.07	10	0.3535
4	Left	Triangular	0.76	10	0.3535	Triangular	1.07	10	0.3535
5	Right	Triangular	0.76	10	0.3535	Triangular	1.07	10	0.3535



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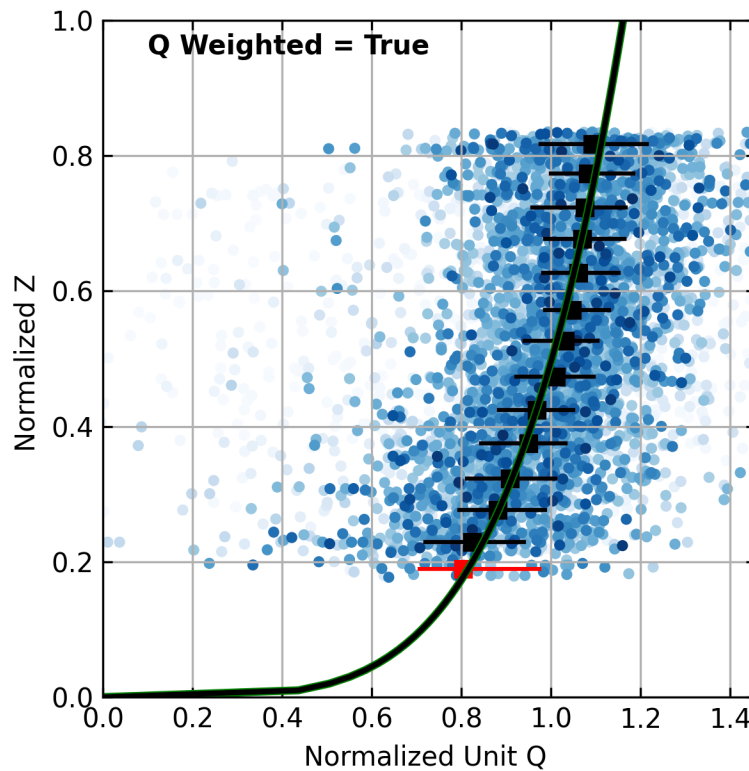
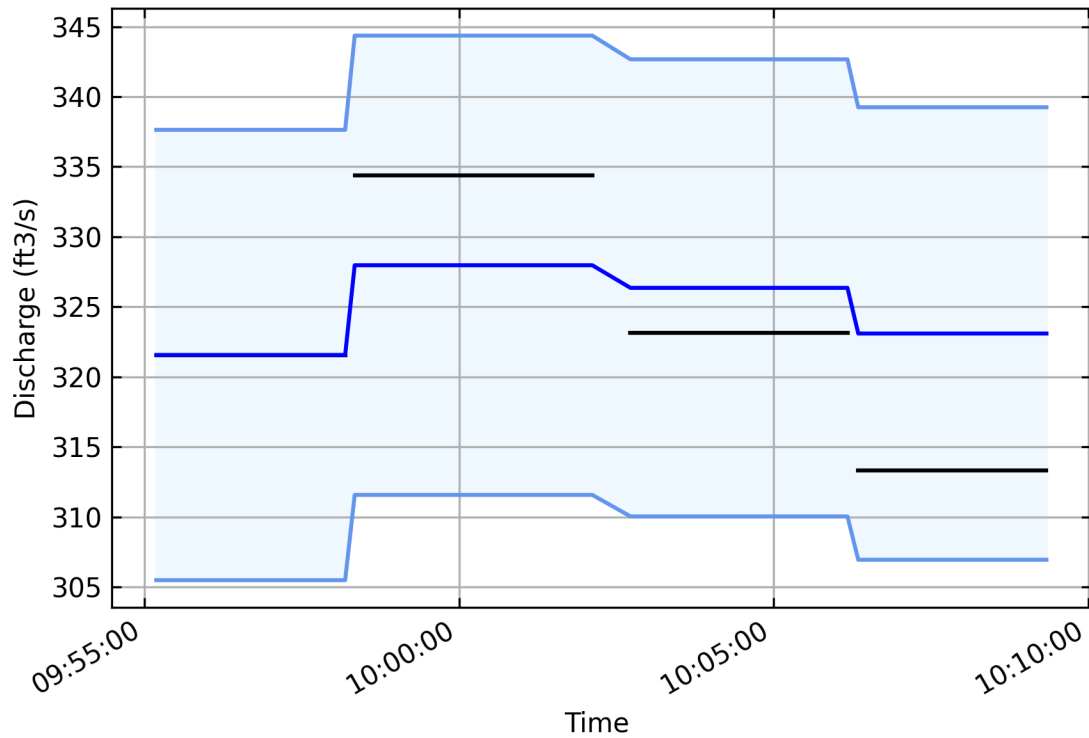
Measurement Number: 0

Discharge: 323.0

Stage: 0.00

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