



QRev Discharge Measurement Report

1 of 4

Station Name: 06202025_S3Diamond

Station Number:

Measurement Date: 2025.06.20

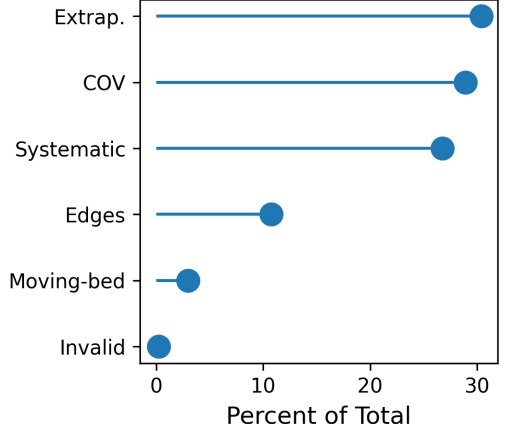
Measurement Number: 0

Discharge: 131.24

Stage: 0.00

User Rating: Not Rated

Processed: 2025.06.22 12:10:14

Field Crew:		Discharge Summary		Cross Section	
Processed By:	ADCPH	Discharge (ft3/s):	131.24	Mean Velocity (ft/s):	1.494
Software:	QRev	Navigation Ref.:	bt_vel	Max. Velocity (ft/s):	3.292
Version:	4.37	Total Duration (s):	886.7	Mean Depth (ft):	2.798
ADCP		Start Time:	11:00:52	Max. Depth (ft):	3.833
Manufacturer:	TRDI	End Time:	11:13:28	Width (ft):	31.410
Model:	StreamPro	Stage Start:	0.00	Width COV (%):	0.93
Serial Number:	2673	Stage End:	0.00	Area (ft2):	87.872
Firmware:	31.19	Mean Stage:	0.00	Area COV (%):	1.27
Frequency (kHz):	2000	Mean Boat Speed (ft/s):	0.140	Uncertainty	
Premeasurement		Top Extrap:	Constant	Uncertainty Method: QRev	
W. Temp. (C):	15.3	Bottom Extrap:	No Slip	95% Total Uncertainty: 5.8 	
W. Temp. ADCP (C):		Extrap Exponent:	0.5274		
System Test:	Passed	Discharg COV (%):	1.96		
Compass Cal/Eval:	0.78	Top Q (%):	13.68		
Magnetic Variaton:	13.5	Measured Q (%):	70.20		
MovBed Test Type:	Loop	Left Q (%):	3.19		
MovBed Test Quality:	Good	Right Q (%):	3.15		
MovBed Test Dur.(s):	280.3	Bottom Q (%):	9.78		
Max MovBed (%):	0.95	Invalid Cells Q (%):	0.01		
Q Correction (%):	0.00	Invalid Ensembles Q (%):	1.37		

Automated QA Messages:

WARNINGS

Cautions

- Extrapolation: The extrapolation uncertainty is more than 2 percent;
- Carefully review the extrapolation;
- Site Info: Station number not entered;

Comments:

- MMT Remarks:
- [Main, 2025-06-22 12:03:39, ADCPH]: No station number for this site. Software chosen extrapolation is the best fit. Water level dropped 4-5 feet since last visit in first week of June. Water level drop exposed a 2 foot drop in bank with Reed Canary Grass, and likely the cause of BT loss in earlier season measurements. Transect was cleaned on both edges. Slow moving water and eddies from bridge on right side caused some unwanted boat movement. Measurement conditions were cloudy and cool in the 50s (F), no issues with WT between independent and ADCP.
- [2025-06-22 12:10:09, ADCPH]: File Saved Q = 131.24 ft3/s (Uncertainty: 5.8%)



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ID	File Name
0	06202025_S3Diamond_0_000_25-06-20.PD0
1	06202025_S3Diamond_0_001_25-06-20.PD0
2	06202025_S3Diamond_0_002_25-06-20.PD0
3	06202025_S3Diamond_0_003_25-06-20.PD0

Transect ID	Start Edge	Start Time	End Time	Duration (sec)	Top Q (ft3/s)	Middle Q (ft3/s)	Bottom Q (ft3/s)	Left Q (ft3/s)	Right Q (ft3/s)	Total Q (ft3/s)
0	Left	11:00:52	11:04:25	212.6	17.53	92.54	12.98	4.26	4.1	131.41
1	Right	11:05:15	11:08:57	222.7	17.88	90.58	12.59	4.46	4.49	129.99
2	Left	11:09:11	11:12:45	214.2	18.37	95.29	12.69	3.97	4.43	134.76
3	Right	11:13:28	11:17:25	237.2	18.05	90.12	13.09	4.04	3.52	128.81
				886.7	17.96	92.13	12.84	4.18	4.13	131.24

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	3.00	10	0.3535	Triangular	5.00	10	0.3535
1	Right	Triangular	3.00	10	0.3535	Triangular	5.00	10	0.3535
2	Left	Triangular	3.00	10	0.3535	Triangular	5.00	10	0.3535
3	Right	Triangular	3.00	10	0.3535	Triangular	5.00	10	0.3535



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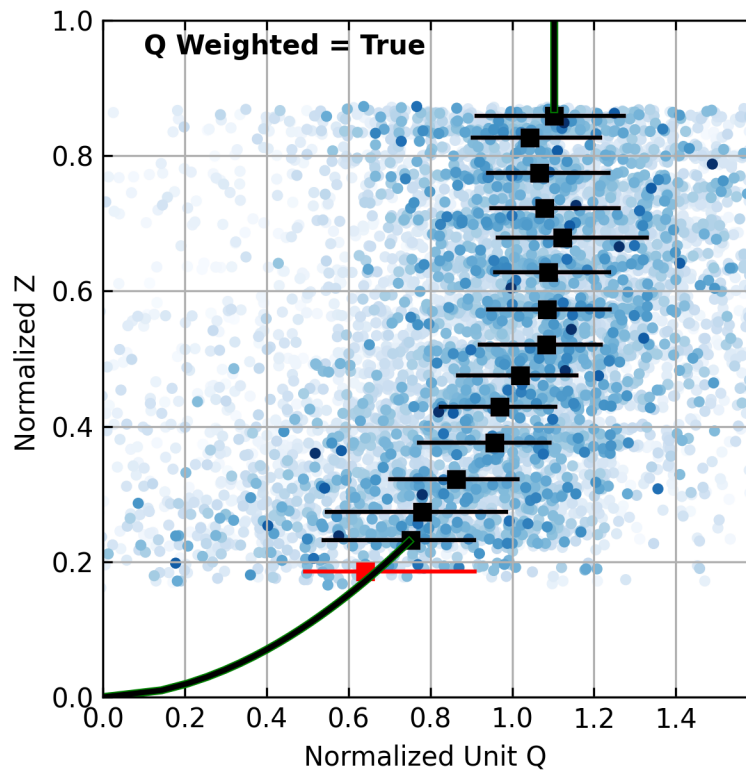
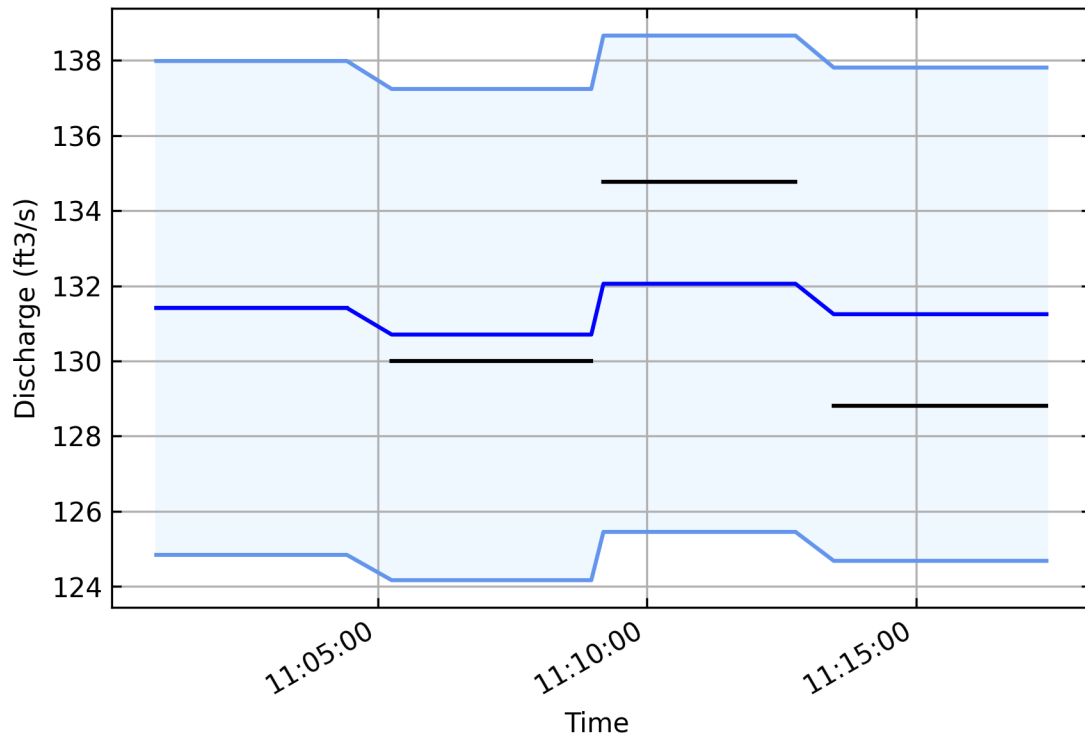
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