



QRev Discharge Measurement Report

1 of 4

Station Name: 07232025_RockfordBridge

Station Number:

Measurement Date: 2025.07.23

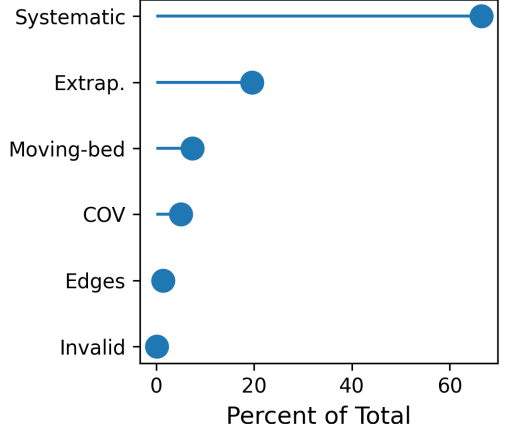
Measurement Number: 0

Discharge: 133.96

Stage: 0.00

User Rating: Not Rated

Processed: 2025.07.25 09:15:12

Field Crew:		Discharge Summary		Cross Section	
Processed By:	ADCPH	Discharge (ft3/s):	133.96	Mean Velocity (ft/s):	0.876
Software:	QRev	Navigation Ref.:	bt_vel	Max. Velocity (ft/s):	1.973
Version:	4.37	Total Duration (s):	913.6	Mean Depth (ft):	4.876
ADCP		Start Time:	09:02:34	Max. Depth (ft):	6.668
Manufacturer:	TRDI	End Time:	09:14:49	Width (ft):	31.360
Model:	StreamPro	Stage Start:	0.00	Width COV (%):	1.91
Serial Number:	2673	Stage End:	0.00	Area (ft2):	152.891
Firmware:	31.19	Mean Stage:	0.00	Area COV (%):	0.92
Frequency (kHz):	2000	Mean Boat Speed (ft/s):	0.134	Uncertainty	
Premeasurement		Top Extrap:	Constant	Uncertainty Method: QRev	
W. Temp. (C):	19.772222	Bottom Extrap:	No Slip	95% Total Uncertainty: 3.7 	
W. Temp. ADCP (C):		Extrap Exponent:	0.3317		
System Test:	Passed	Discharg COV (%):	0.52		
Compass Cal/Eval:	1.04	Top Q (%):	8.04		
Magnetic Variaton:	13.5	Measured Q (%):	77.41		
MovBed Test Type:	Loop	Left Q (%):	1.17		
MovBed Test Quality:	Good	Right Q (%):	0.29		
MovBed Test Dur.(s):	280.7	Bottom Q (%):	13.09		
Max MovBed (%):	0.28	Invalid Cells Q (%):	0.01		
Q Correction (%):	0.00	Invalid Ensembles Q (%):	0.74		

Automated QA Messages:

WARNINGS

Cautions

- Compass: Evaluation result > 1 deg;
- Moving-Bed Test: Loop test used but compass calibration is caution
- Site Info: Station number not entered;

Comments:

- MMT Remarks:
- [Main, 2025-07-25 09:10:53, ADCPH]: There is no station number for this location. Measurement conditions were sunny and cool, low 70s F, no issues with WT between the ADCP and independent. The compass calibration metric used is less than 2 degrees, disregard cautions for compass calibration. Water at this site is quite slow moving, which occasionally caused some unwanted boat movement but not problematic. This will be the last ADCP measurement at this site given that Stubblefield Canal has been closed, which was the main difference in Q between Site 4 and Rockford Bridge.



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Comments:

- [2025-07-25 09:15:05, ADCPH]: File Saved Q = 133.96 ft³/s (Uncertainty: 3.7%)

ID	File Name
0	07232025_RockfordBridge_0_000_25-07-23.PD0
1	07232025_RockfordBridge_0_001_25-07-23.PD0
2	07232025_RockfordBridge_0_002_25-07-23.PD0
3	07232025_RockfordBridge_0_003_25-07-23.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)			
0	Left	09:02:34	09:06:06	211.8	10.4	104.52	16.38	1.76	0.38	133.44
1	Right	09:06:27	09:10:44	257.2	10.39	103.85	17.66	1.73	0.42	134.05
2	Left	09:11:05	09:14:37	212.5	11.42	103.75	17.88	1.41	0.45	134.91
3	Right	09:14:49	09:18:42	232.2	10.85	102.7	18.22	1.39	0.29	133.45
				913.6	10.76	103.7	17.54	1.57	0.38	133.96

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	2.00	10	0.3535	Triangular	1.00	10	0.3535
1	Right	Triangular	2.00	10	0.3535	Triangular	1.00	10	0.3535
2	Left	Triangular	2.00	10	0.3535	Triangular	1.00	10	0.3535
3	Right	Triangular	2.00	10	0.3535	Triangular	1.00	10	0.3535



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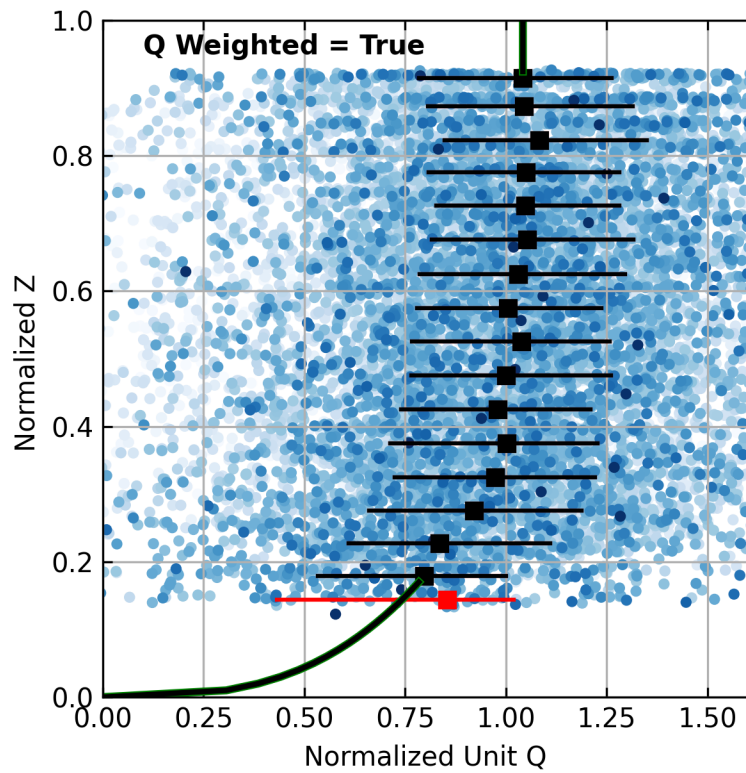
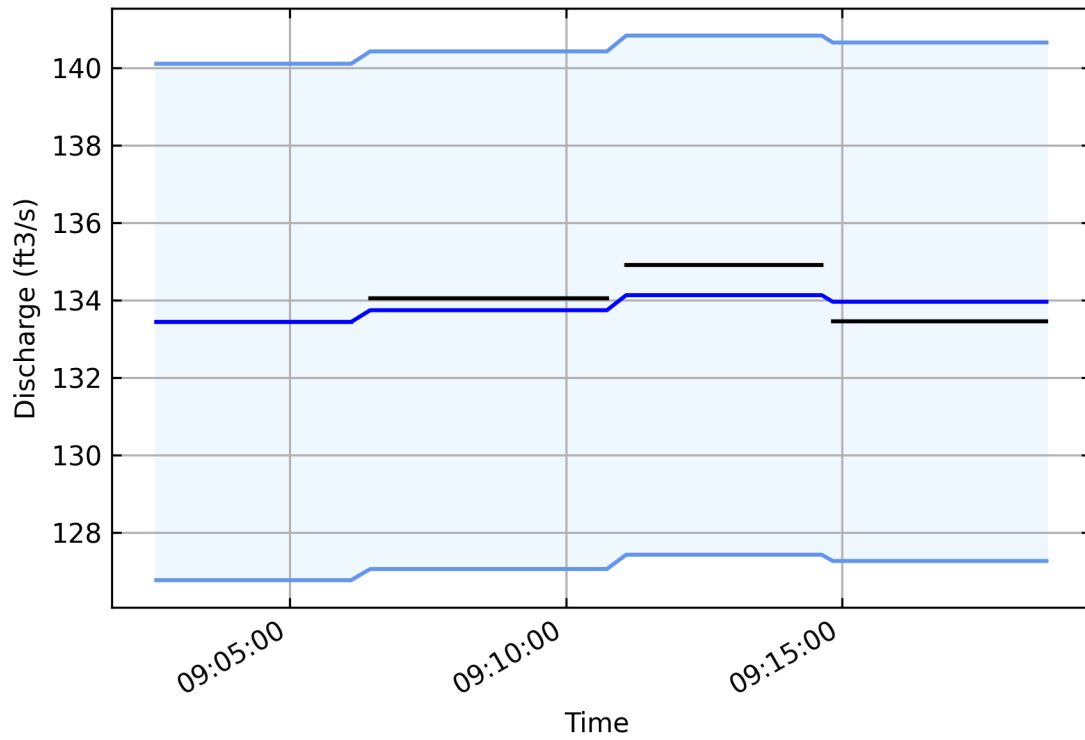
Measurement Number: 0

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