

Discharge Measurement Summary

Date Measured: Friday, May 06, 2011

Site Information		Measurement Information	
Site Name	Bird's Point Levee	Party	dwk/rsd/hdr
Station Number	07000000	Boat/Motor	tethered
Location	500 ft dsg	Meas. Number	0

System Information		System Setup		Units	
System Type	RS-M9	Transducer Depth (ft)	0.26	Distance	ft
Serial Number	1101	Salinity (ppt)	0.0	Velocity	ft/s
Firmware Version	1.50	Magnetic Declination (deg)	-1.4	Area	ft2
Software Version	2.50			Discharge	cfs
				Temperature	degF

Discharge Calculation Settings				Discharge Results	
Track Reference	Bottom-Track	Left Method	Sloped Bank	Width (ft)	8,661.44
Depth Reference	Vertical Beam	Right Method	Sloped Bank	Area (ft2)	109,486.6
Coordinate System	ENU	Top Fit Type	Power Fit	Mean Speed (ft/s)	3.220
		Bottom Fit Type	Power Fit	Total Q (cfs)	351,704.214

Measurement Results																	
Tr	Time		Distance				Mean Vel		Discharge								%
#	Time	Duration	Temp.	Track	DMG	Width	Area	Boat	Water	Left	Right	Top	Middle	Bottom	Total	LCTotal	Measured
1	L 11:46:42 AM	0:33:43	59.9	9,583.07	8,621.12	8,621.12	104,426.1	4.737	3.384	0.00	0.00	26,858.29	269,245.41	57,271.98	353,375.660	--	76.2
2	R 12:23:26 PM	0:37:47	60.7	9,996.07	8,701.77	8,701.77	114,547.1	4.409	3.056	0.00	0.00	25,420.39	268,751.81	55,860.57	350,032.768	--	76.8
		Mean	60.3	9,789.57	8,661.44	8,661.44	109,486.6	4.573	3.220	0.00	0.00	26,139.34	268,998.60	56,566.27	351,704.214	0.000	76.5
		Std Dev	0.4	206.50	40.33	40.33	5,060.5	0.164	0.164	0.00	0.00	718.95	246.80	705.70	1,671.446	0.000	0.3
		COV	0.0	0.021	0.005	0.005	0.046	0.036	0.051	0.000	0.000	0.028	0.001	0.012	0.005	0.000	0.004

Exposure Time: 1:11:30

Tr1=20110506114635r.rivr; Tr2=20110506122318r.rivr;

Comments																	
Tr1=20110506114635r.rivr - Discharge Pass 1; Tr2=20110506122318r.rivr - Discharge Pass 2;																	

Compass Calibration																	
File Name: CompassCal20110506095638.txt																	
Results: PASS																	
Score is excellent.																	
Magnetic interference is very low.																	
Calibration score: M2.00Q9																	

System Test																	
File Name: SystemTest20110506094736.txt																	
System Test: PASS																	

Parameters and settings marked with a * are not constant for all files.

Report generated using SonTek RiverSurveyor Live v2.50