Station Number: 07000000 Meas. No: 0

Station Name: Mississippi_River_Inflow Date: 05/04/2011

Party: DWK/HDR/RSD	Width: 9,070 ft	Processed by: DWK
Boat/Motor: Kann 2 90's	Area: 117,000 ft²	Mean Velocity: 3.40 ft/s
Gage Height: 0.00 ft	G.H.Change: 0.000 ft	Discharge: 397,000 ft³/s

Area Method: Avg. Course	ADCP Depth: 2.000 ft	Index Vel.: 0.00 ft/s	Rating No.: 1
Nav. Method: Bottom Track	Shore Ens.:10	Adj.Mean Vel: 0.00 ft/s	Qm Rating: F
MagVar Method: On Site (-1.3°)	Bottom Est: Power (0.1667)	Rated Area: 0.000 ft²	Diff.: 0.000%
Depth Sounder: Not Used	Top Est: Power (0.1667)	Control1: Unspecified	
		Control2: Unspecified	
		Control3: Unspecified	

Screening Thresholds:

BT 3-Beam Solution: YES	Max. Vel.: 28.5 ft/s	
WT 3-Beam Solution: NO	Max. Depth: 22.9 ft	
BT Error Vel.: 0.33 ft/s*	Mean Depth: 12.9 ft	
WT Error Vel.: 3.50 ft/s	% Meas.: 59.90	
BT Up Vel.: 1.00 ft/s	Water Temp.: 13.7 ℃	
WT Up Vel.: 8.00 ft/s	ADCP Temp.: 13.8 ℃	
Use Weighted Mean Depth: YES		

ADCP:

Type/Freq.: Rio Grande/600 kHz	
Serial #: 408	Firmware: 10.16
Bin Size: 10 cm	Blank: 25 cm
BT Mode: 5	BT Pings: 1
WT Mode: 12	WT Pings: 1
WV : 341	WO : 1, 5

Performed Diag. Test: YES

Performed Moving Bed Test: NO

Performed Compass Test: YES

Meas. Location: 500 ft ds levee

Project Name: 07000000_0.mmt

Software: 2.04

Tr.#		Edge Distance		#Ens.	Discharge						Width	Area	Time		Mean Vel.		% Bad	
		L	R		Top	Middle	Bottom	Left	Right	Total			Start	End	Boat	Water	Ens.	Bins
000	R	0	0	1360	119273	246358	39159	0.000	0.000	404789	8967	121845	10:25	11:01	4.80	3.32	20	41
001	L	0	0	2290	120708	229579	39506	0.000	0.000	389793	9162	111877	11:32	12:34	3.39	3.48	29	42
Mean		0	0	1825	119991	237968	39332	0.000	0.000	397291	9065	116861	**Total**	02:09	4.09	3.40	25	41
SDev		0	0	658	1015	11865	245	0.000	0.000	10604	138.5	7048.5			0.99	0.11		
SD/M		0.00	0.00	0.36	0.01	0.05	0.01	0.00	0.00	0.03	0.02	0.06			0.24	0.03		

Remarks: These two passes were made 500 ft downstream of the breached Bird's Point levee. The first pass was made with CNN present on boat. Used small bins due to having the 600 hz ADCP with low depth, which in combination with water velocity and update rate, caused a higher percentage of missing bins/ensembles, which is the reason for downgrading measurement quality.

* - value not consistent for all transects