

MEASUREMENT NOTES

LEFT BANK: Sloping	Vertical	Other: _____	RIGHT BANK: Sloping	Vertical	Other: _____
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RIGHT BANK: Sloping Vertical Other _____

[illegible]

Notes:

GPS coordinates of post with lag bolt
for tape down:

$36^{\circ} 57' 34.3''$ N

$89^{\circ} 08' 03.9''$ W

Station Number:
Station Name: Inflow at Bird Point Levee

Meas. No: 7
Date: 05/15/2011

Party: wfk, sat	Width: 8,490 ft	Processed by: wfk
Boat/Motor: 513	Area: 68,500 ft²	Mean Velocity: 2.29 ft/s
Gage Height: 0.00 ft	G.H.Change: 0.000 ft	Discharge: 155,000 ft³/s

*moving bed
adj = 159,000*

Area Method: Avg. Course	ADCP Depth: 0.420 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: U
MagVar Method: Model (-1.4°)	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:		ADCP:
BT 3-Beam Solution: YES	Max. Vel.: 9.26 ft/s	Type/Freq.: Rio Grande/1200 kHz
WT 3-Beam Solution: NO	Max. Depth: 47.5 ft	Serial #: 5954 Firmware: 10.16
BT Error Vel.: 0.33 ft/s	Mean Depth: 8.06 ft	Bin Size: 25 cm Blank: 25 cm
WT Error Vel.: 3.50 ft/s	% Meas.: 52.49	BT Mode: 5 BT Pings: 1
BT Up Vel.: 1.00 ft/s	Water Temp.: 65.1 °F	WT Mode: 12 WT Pings: 1
WT Up Vel.: 13.00 ft/s	ADCP Temp.: 65.1 °F	WV : 335 WO : 3, 8
Use Weighted Mean Depth: YES		

Performed Diag. Test: YES
Performed Moving Bed Test: YES
Performed Compass Test: YES
Meas. Location: inflow

Project Name: Inflow_7.mmt
Software: 2.07

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	20	20	2995	39198	84141	30513	280	81.0	154212	8514	75754	16:03	16:44	3.89	2.03	21	1
002	L	30	20	3479	43656	78274	32969	-14.5	303	155188	8473	61153	17:16	18:04	3.40	2.54	17	0
Mean		25	20	3237	41427	81207	31741	133	192	154700	8494	68453	Total	02:01	3.64	2.29	19	1
SDev		7	0	342	3152	4148	1737	208	157	690	29.0	10324.5			0.35	0.35		
SD/M		0.28	0.00	0.11	0.08	0.05	0.05	1.57	0.82	0.00	0.00	0.15			0.09	0.16		

Remarks:

Inflow_7_000_11-05-15_ASC20110515.lcf

LC Version 1.60, September 26, 2008

Processed on: 15-May-2011

Loop File: Inflow_7_000_11-05-15_LBT_ASC.TXT

Distance Made Good (ft)	Loop Time (sec)	Moving Bed Velocity (ft/s)	Moving Bed Direction (degrees)	Flow Direction (degrees)	Estimated Percent Correction (percent)
175.65	2715.90	0.06	58.73	253.78	2.92

Percent Bad Bottom Track: 23.1

WARNING: Percentage of bad bottom track values exceeds 5.
Loop may not be accurate. Please review data.

Difference in flow direction between out and back sections: 7.1 deg

WARNING: Difference in flow direction between out and back sections of
loop exceeds 5 degrees. This may indicated an inaccurate compass
and the loop may not be accurate. Please review data.

Loop Indicates a Moving Bed -- Select transects to be corrected

File Name	Original Discharge cfs	Adjusted Discharge cfs
Inflow_7_000_11-05-15_ASC.TXT	154212.50	159153.76
Inflow_7_002_11-05-15_ASC.TXT	155187.90	158995.84
Average	154700.20	159074.80