



Station Number:

Meas. No:

Station Name: New Madrid Floodway Outflow

Date: 05/16/2011

Party: BB,CR

Width: 15,500 ft

Processed by: BB

Boat/Motor: wooldridge

Area: 280,000 ft<sup>2</sup>

Mean Velocity: 0.943 ft/s

Gage Height: 0.00 ft

G.H.Change: 0.000 ft

Discharge: 264,000 ft<sup>3</sup>/s

Area Method: Avg. Course

ADCP Depth: 1.800 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: P

MagVar Method: None (-1.3°)

Bottom Est: Power (0.1667)

Rated Area: 0.000 ft<sup>2</sup>

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.: 5.15 ft/s

## ADCP:

WT 3-Beam Solution: NO

Max. Depth: 41.0 ft

Type/Freq.: Rio Grande/1200 kHz

BT Error Vel.: 0.33 ft/s

Mean Depth: 18.1 ft

Serial #:

Firmware: 10.16

WT Error Vel.: 32.81 ft/s

% Meas.: 64.39

Bin Size: 25 cm

Blank: 25 cm

BT Up Vel.: 32.81 ft/s

Water Temp.: None

BT Mode: 5

BT Pings: 1

WT Up Vel.: 32.81 ft/s

ADCP Temp.: 17.4 °C

WT Mode: 12

WT Pings: 1

Use Weighted Mean Depth: NO

WV : 170

WO : 1, 4

Performed Diag. Test: NO

Project Name: newmadridoutflow7000

Performed Moving Bed Test: NO

Software: 2.07

Performed Compass Test: NO

Meas. Location: near New Madrid

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
001	R	111	109	3461	61571	170028	34321	136	547	266603	15502	275032	16:29	16:58	9.46	0.97	1	1
002	L	111	114	3266	58157	169428	32486	119	389	260578	15437	284004	16:58	17:24	9.98	0.92	0	1
<b>Mean</b>		111	111	3363	59864	169728	33403	128	468	263591	15469	279518	<b>Total</b>	00:54	9.72	0.94	1	1
<b>SDev</b>		0	4	138	2414	424	1298	12.3	112	4260	45.7	6344.7			0.37	0.03		
<b>SD/M</b>		0.00	0.03	0.04	0.04	0.00	0.04	0.10	0.24	0.02	0.00	0.02			0.04	0.04		

Remarks:

LC Version 3.20, July 8, 2010

Processed on: 16-May-2011

Loop File: newmadridoutflow700011-05-16\_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)
137.83	3289.74	0.04	151.03	210.51	3.96

Percent Bad Bottom Track: 0.5

Difference in flow direction between out and back sections: 1.7 deg

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Loop Closure Error not in Upstream Direction -- No Correction Recommended

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