



Party: RA/CR	Width: 9,400 ft	Processed by:
Boat/Motor: QW boat	Area: 256,000 ft <sup>2</sup>	Mean Velocity: 3.26 ft/s
Gage Height: 0.00 ft	G.H.Change: 0.000 ft	Discharge: 833,000 ft <sup>3</sup> /s

Area Method: Avg. Course	ADCP Depth: 2.400 ft	Index Vel.: 0.00 ft/s	Rating No.: 1
Nav. Method: DGPS	Shore Ens.:10	Adj.Mean Vel: 0.00 ft/s	Qm Rating: U
MagVar Method: Model (-1.2°)	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:		ADCP:	
BT 3-Beam Solution: YES	Max. Vel.: 14.8 ft/s	Type/Freq.: Rio Grande / 600 kHz	
WT 3-Beam Solution: NO	Max. Depth: 70.3 ft	Serial #: 1127	Firmware: 10.16
BT Error Vel.: 0.33 ft/s*	Mean Depth: 27.2 ft	Bin Size: 50 cm	Blank: 25 cm
WT Error Vel.: 3.50 ft/s	% Meas.: 76.78	BT Mode: 5	BT Pings: 1
BT Up Vel.: 1.00 ft/s	Water Temp.: None	WT Mode: 1	WT Pings: 1
WT Up Vel.: 10.00 ft/s	ADCP Temp.: 13.9 °C	WV : 254	
Use Weighted Mean Depth: YES			

Performed Diag. Test: YES  
 Performed Moving Bed Test: NO  
 Performed Compass Test: YES  
 Meas. Location:

Project Name: Mississippi above Cairo\_.mmt  
 Software: 2.08

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	L	157	540	2235	98547	625209	78308	6098	-717	807444	9395	256114	08:54	09:13	7.43	3.15	0	0
001	R	160	548	2181	107170	643799	88994	6662	-1021	845604	9405	254657	09:14	09:33	7.60	3.32	0	1
002	L	160	570	2287	94958	637441	80520	4930	-882	816966	9396	258098	09:33	09:54	7.20	3.17	0	0
004	R	135	585	2055	115143	652622	90800	5303	-925	862943	9405	254462	09:54	10:12	8.06	3.39	0	1
<b>Mean</b>		153	561	2189	103954	639768	84655	5748	-886	833239	9400	255833	<b>Total</b>	01:18	7.57	3.26	0	1
<b>SDev</b>		12	21	100	9050	11531	6164	780	127	25595	5.3	1680.5			0.36	0.12		
<b>SD/M</b>		0.08	0.04	0.05	0.09	0.02	0.07	0.14	0.14	0.03	0.00	0.01			0.05	0.04		

Remarks:

Party: RA/CR	Width: 2,070 ft	Processed by:
Boat/Motor: QW boat	Area: 126,000 ft <sup>2</sup>	Mean Velocity: 5.13 ft/s
Gage Height: 0.00 ft	G.H.Change: 0.000 ft	Discharge: 645,000 ft <sup>3</sup> /s

Area Method: Avg. Course	ADCP Depth: 2.400 ft	Index Vel.: 0.00 ft/s	Rating No.: 1
Nav. Method: DGPS	Shore Ens.:10	Adj.Mean Vel: 0.00 ft/s	Qm Rating: U
MagVar Method: Model (-1.2°)	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:		ADCP:	
BT 3-Beam Solution: YES	Max. Vel.: 14.8 ft/s	Type/Freq.: Rio Grande / 600 kHz	
WT 3-Beam Solution: NO	Max. Depth: 70.3 ft	Serial #: 1127	Firmware: 10.16
BT Error Vel.: 0.33 ft/s	Mean Depth: 60.7 ft	Bin Size: 50 cm	Blank: 25 cm
WT Error Vel.: 3.50 ft/s	% Meas.: 82.55	BT Mode: 5	BT Pings: 1
BT Up Vel.: 1.00 ft/s	Water Temp.: None	WT Mode: 1	WT Pings: 1
WT Up Vel.: 10.00 ft/s	ADCP Temp.: 14.0 °C	WV : 254	
Use Weighted Mean Depth: YES			

Performed Diag. Test: YES  
 Performed Moving Bed Test: NO  
 Performed Compass Test: YES  
 Meas. Location:

Project Name: Mississippi above Cairo\_.mmt  
 Software: 2.08

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	L	157	0	666	49976	524580	52695	6098	0.000	633349	2078	125935	08:54	09:00	5.49	5.03	0	0
001	R	160	0	471	51277	531217	58021	6662	0.000	647178	2070	125496	09:29	09:33	7.69	5.16	0	0
002	L	160	0	687	52722	548735	56751	4930	0.000	663138	2085	125826	09:33	09:39	5.30	5.27	0	0
004	R	135	0	450	50610	523907	54870	5303	0.000	634690	2043	125004	10:08	10:12	8.07	5.08	0	0
<b>Mean</b>		153	0	568	51146	532110	55584	5748	0.000	644589	2069	125565	<b>Total</b>	01:18	6.64	5.13	0	0
<b>SDev</b>		12	0	125	1178	11564	2320	780	0.000	13846	18.5	418.2			1.44	0.10		
<b>SD/M</b>		0.08	0.00	0.22	0.02	0.02	0.04	0.14	0.00	0.02	0.01	0.00			0.22	0.02		

**Remarks:** This mmt subsectioned by TAK on 2/14/12 to determine main channel vs overflow for the purpose of estimating overflow on other dates.

Party: RA/CR	Width: 7,330 ft	Processed by:
Boat/Motor: QW boat	Area: 130,000 ft <sup>2</sup>	Mean Velocity: 1.45 ft/s
Gage Height: 0.00 ft	G.H.Change: 0.000 ft	Discharge: 189,000 ft <sup>3</sup> /s

Area Method: Avg. Course	ADCP Depth: 2.400 ft	Index Vel.: 0.00 ft/s	Rating No.: 1
Nav. Method: DGPS	Shore Ens.:10	Adj.Mean Vel: 0.00 ft/s	Qm Rating: U
MagVar Method: Model (-1.2°)	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:		ADCP:	
BT 3-Beam Solution: YES	Max. Vel.: 12.5 ft/s	Type/Freq.: Rio Grande / 600 kHz	
WT 3-Beam Solution: NO	Max. Depth: 46.2 ft	Serial #: 1127	Firmware: 10.16
BT Error Vel.: 0.33 ft/s	Mean Depth: 17.8 ft	Bin Size: 50 cm	Blank: 25 cm
WT Error Vel.: 3.50 ft/s	% Meas.: 57.07	BT Mode: 5	BT Pings: 1
BT Up Vel.: 1.00 ft/s	Water Temp.: None	WT Mode: 1	WT Pings: 1
WT Up Vel.: 10.00 ft/s	ADCP Temp.: 13.9 °C	WV : 254	
Use Weighted Mean Depth: YES			

Performed Diag. Test: YES  
 Performed Moving Bed Test: NO  
 Performed Compass Test: YES  
 Meas. Location:

Project Name: Mississippi above Cairo\_.mmt  
 Software: 2.08

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	L	0	540	1570	48571	100629	25613	0.000	-717	174096	7319	130290	09:00	09:13	8.26	1.34	0	1	#
001	R	0	548	1711	55893	112582	30973	0.000	-1021	198427	7338	129397	09:14	09:29	7.58	1.53	0	2	#
002	L	0	570	1601	42236	88705	23769	0.000	-882	153828	7313	132345	09:39	09:54	8.02	1.16	0	1	#
004	R	0	585	1606	64533	128715	35930	0.000	-925	228253	7364	129596	09:54	10:08	8.05	1.76	0	1	#
Mean		0	561	1622	52808	107658	29071	0.000	-886	188651	7333	130407	Total	01:08	7.98	1.45	0	1	
SDev		0	21	61	9604	17091	5500	0.000	127	32085	22.9	1347.7			0.29	0.26			
SD/M		0.00	0.04	0.04	0.18	0.16	0.19	0.00	0.14	0.17	0.00	0.01			0.04	0.18			

**Remarks:** This mmt subsectioned by TAK on 2/14/12 to determine main channel vs overflow for the purpose of estimating overflow on other dates.

# - transect has been subsectioned

Discharge for transects in *italics* have a total Q more than 5% from the mean