

Party: KKJ/CJR	Width: 2,110 ft	Processed by: KKJ
Boat/Motor: Work Skiff QW	Area: 129,000 ft²	Mean Velocity: 4.96 ft/s
Gage Height: 0.00 ft	G.H.Change: 0.000 ft	Discharge: 637,000 ft³/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 (-1.5°)	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.: 11.0 ft/s	Type/Freq.: Rio Grande / 600 kHz
WT 3-Beam Solution: NO	Max. Depth: 72.8 ft	Serial #: 1127 Firmware: 10.16
BT Error Vel.: 0.33 ft/s	Mean Depth: 61.0 ft	Bin Size: 50 cm Blank: 25 cm
WT Error Vel.: 3.50 ft/s	% Meas.: 82.00	BT Mode: 5 BT Pings: 1
BT Up Vel.: 1.00 ft/s	Water Temp.: None	WT Mode: 12 WT Pings: 1
WT Up Vel.: 6.00 ft/s	ADCP Temp.: 13.5 °C	WV : 175 WO : 1, 17
Use Weighted Mean Depth: YES		

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

Project Name: MissCairo.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	220	0	432	50931	523860	51045	16554	0.000	642391	2087	128651	08:39	08:43	6.86	4.99	0	0	#
003	R	230	0	387	51181	521170	46245	13510	0.000	632106	2130	128537	09:18	09:22	8.01	4.92	0	0	
Mean		225	0	409	51056	522515	48645	15032	0.000	637248	2109	128594	Total	00:43	7.43	4.96	0	0	#
SDev		7	0	32	176	1902	3394	2153	0.000	7272	30.2	80.5			0.82	0.05			
SD/M		0.03	0.00	0.08	0.00	0.00	0.07	0.14	0.00	0.01	0.01	0.00			0.11	0.01			

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.

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000 is a full transect subsectioned into MAIN and OVERFLOW.

001 was abandoned

002 is a partial transect covering only a portion of the OVERFLOW.

003 is a partial transect covering all of the MAIN CHANNEL and a portion of the OVERFLOW.

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This MAIN CHANNEL measurement is an average of the MAIN CHANNEL subsections of 000 and 003.

Total	Discharge:	Width:	Area:	Total Velocity (Q/A):
MAIN	637,248	2109	128,594	MAIN 4.96
OVERFLOW	177,268	7379	140,525	OVERFLOW 1.26
Sum:	814,516	9488	269,119	SumQ/SumA: 3.03

- transect has been subsectioned

Party: KKJ/CJR	Width: 7,410 ft	Processed by: KKJ
Boat/Motor: Work Skiff QW	Area: 144,000 ft²	Mean Velocity: 1.28 ft/s
Gage Height: 0.00 ft	G.H.Change: 0.000 ft	Discharge: 184,000 ft³/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 (-1.5°)	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.: 5.58 ft/s	Type/Freq.: Rio Grande / 600 kHz
WT 3-Beam Solution: NO	Max. Depth: 50.2 ft	Serial #: 1127 Firmware: 10.16
BT Error Vel.: 0.33 ft/s	Mean Depth: 19.4 ft	Bin Size: 50 cm Blank: 25 cm
WT Error Vel.: 3.50 ft/s	% Meas.: 59.52	BT Mode: 5 BT Pings: 1
BT Up Vel.: 1.00 ft/s	Water Temp.: None	WT Mode: 12 WT Pings: 1
WT Up Vel.: 6.00 ft/s	ADCP Temp.: 13.4 °C	WV : 175 WO : 1, 17
Use Weighted Mean Depth: YES		

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

Project Name: MissCairo.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	632	1148	50062	109550	26466	0.000	-2010	184069	7412	143579	08:43	08:55	9.88	1.28	0	2
Mean		0	632	1148	50062	109550	26466	0.000	-2010	184069	7412	143579	Total	00:11	9.88	1.28	0	2
SDev																		
SD/M																		

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.

000 is a full transect subsectioned into MAIN and OVERFLOW.

001 was abandoned

002 is a partial transect covering only a portion of the OVERFLOW.

003 is a partial transect covering all of the MAIN CHANNEL and a portion of the OVERFLOW.

This OVERFLOW subsection is the entire 000 OVERFLOW measurement.

It will be averaged with the sum of the two partial 002 and 003 OVERFLOW subsections.

OVERFLOW Discharge:	OVERFLOW Width:	OVERFLOW Area:	OVERFLOW Mean Velocity (Q/A):
000 184,069	000 7412	000 143,579	000 1.28
002+003 170,466	002+003 7346	002+003 137,470	002+003 1.24
Avg: 177,268	Avg: 7379	Avg: 140,525	Avg: 1.26

- transect has been subsectioned

Party: KKJ/CJR	Width: 5,640 ft	Processed by: KKJ
Boat/Motor: Work Skiff QW	Area: 101,000 ft ²	Mean Velocity: 1.06 ft/s
Gage Height: 0.00 ft	G.H.Change: 0.000 ft	Discharge: 107,000 ft ³ /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 (-1.5°)	Bottom Est: Power (0.1667)	Rated Area: 0.000 ft ²	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.: 6.37 ft/s	Type/Freq.: Rio Grande / 600 kHz
WT 3-Beam Solution: NO	Max. Depth: 35.6 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.: 57.35	BT Mode: 5 BT Pings: 1
BT Up Vel.: 1.00 ft/s	Water Temp.: None	WT Mode: 12 WT Pings: 1
WT Up Vel.: 6.00 ft/s	ADCP Temp.: 13.5 °C	WV : 175 WO : 1, 17
Use Weighted Mean Depth: YES		

Performed Diag. Test: YES Project Name: MissCairo.mmt
 Performed Moving Bed Test: NO Software: 2.08
 Performed Compass Test: YES
 Meas. Location:

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
002	R	65	648	855	30593	61312	15585	2433	-3022	106900	5641	100516	09:05	09:14	9.84	1.06	1	2
Mean		65	648	855	30593	61312	15585	2433	-3022	106900	5641	100516	Total	00:08	9.84	1.06	1	2
SDev																		
SD/M																		

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.

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 000 is a full transect subsectioned into MAIN and OVERFLOW.
 001 was abandoned
 002 is a partial transect covering only a portion of the OVERFLOW.
 003 is a partial transect covering all of the MAIN CHANNEL and a portion of the OVERFLOW.
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 This OVERFLOW subsection is the partial 002 OVERFLOW measurement.
 It will be added to the partial 003 OVERFLOW measurement and then averaged with the 000 OVERFLOW measurement.

Party: KKJ/CJR	Width: 1,710 ft	Processed by: KKJ
Boat/Motor: Work Skiff QW	Area: 37,000 ft ²	Mean Velocity: 1.72 ft/s
Gage Height: 0.00 ft	G.H.Change: 0.000 ft	Discharge: 63,600 ft ³ /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 (-1.5°)	Bottom Est: Power (0.1667)	Rated Area: 0.000 ft ²	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.: 5.87 ft/s	Type/Freq.: Rio Grande / 600 kHz
WT 3-Beam Solution: NO	Max. Depth: 36.6 ft	Serial #: 1127 Firmware: 10.16
BT Error Vel.: 0.33 ft/s	Mean Depth: 21.7 ft	Bin Size: 50 cm Blank: 25 cm
WT Error Vel.: 3.50 ft/s	% Meas.: 57.97	BT Mode: 5 BT Pings: 1
BT Up Vel.: 1.00 ft/s	Water Temp.: None	WT Mode: 12 WT Pings: 1
WT Up Vel.: 6.00 ft/s	ADCP Temp.: 13.6 °C	WV : 175 WO : 1, 17
Use Weighted Mean Depth: YES		

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

Project Name: MissCairo.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
003	R	0	65	324	15673	36850	8778	0.000	2265	63566	1705	36954	09:15	09:18	8.46	1.72	0	1
Mean		0	65	324	15673	36850	8778	0.000	2265	63566	1705	36954	Total	00:03	8.46	1.72	0	1
SDev																		
SD/M																		

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.

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- 000 is a full transect subsectioned into MAIN and OVERFLOW.
- 001 was abandoned
- 002 is a partial transect covering only a portion of the OVERFLOW.
- 003 is a partial transect covering all of the MAIN CHANNEL and a portion of the OVERFLOW.
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- This OVERFLOW subsection is the partial 003 OVERFLOW measurement.
- It will be added to the partial 002 OVERFLOW measurement and then averaged with the 000 OVERFLOW subsection.
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- The 65 ft REW is a vertical edge representing half of the 130 ft gap between 002 and 003.



Imagery Date: 5/29/2011

2713 ft

Image USDA Farm Service Agency

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36° 59.991' N 89° 12.458' W elev. 314 ft

Google earth

Eye alt 12048 ft