

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

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
<b>Mean</b>		225	0	409	51056	522515	48645	15032	0.000	637248	2109	128594	<b>Total</b>	00:43	7.43	4.96	0	0
<b>SDev</b>		7	0	32	176	1902	3394	2153	0.000	7272	30.2	80.5			0.82	0.05		
<b>SD/M</b>		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.

<b>Total</b>	<b>Discharge:</b>	<b>Width:</b>	<b>Area:</b>	<b>Total Velocity (Q/A):</b>
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 ft <sup>2</sup>	Mean Velocity: 1.28 ft/s
Gage Height: 0.00 ft	G.H.Change: 0.000 ft	Discharge: 184,000 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 (-1.5°)	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.: 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
<b>Mean</b>		<b>0</b>	<b>632</b>	<b>1148</b>	<b>50062</b>	<b>109550</b>	<b>26466</b>	<b>0.000</b>	<b>-2010</b>	<b>184069</b>	<b>7412</b>	<b>143579</b>	<b>Total</b>	<b>00:11</b>	<b>9.88</b>	<b>1.28</b>	<b>0</b>	<b>2</b>
<b>SDev</b>																		
<b>SD/M</b>																		

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 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 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 <sup>2</sup>	Mean Velocity: 1.06 ft/s
Gage Height: 0.00 ft	G.H.Change: 0.000 ft	Discharge: 107,000 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 (-1.5°)	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	Type/Freq.: Rio Grande / 600 kHz
WT 3-Beam Solution: NO	Serial #: 1127      Firmware: 10.16
BT Error Vel.: 0.33 ft/s	Bin Size: 50 cm      Blank: 25 cm
WT Error Vel.: 3.50 ft/s	BT Mode: 5      BT Pings: 1
BT Up Vel.: 1.00 ft/s	WT Mode: 12      WT Pings: 1
WT Up Vel.: 6.00 ft/s	WV : 175      WO : 1, 17
Use Weighted Mean Depth: YES	
Max. Vel.: 6.37 ft/s	
Max. Depth: 35.6 ft	
Mean Depth: 17.8 ft	
% Meas.: 57.35	
Water Temp.: None	
ADCP Temp.: 13.5 °C	

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
<b>Mean</b>		65	648	855	30593	61312	15585	2433	-3022	106900	5641	100516	<b>Total</b>	00:08	9.84	1.06	1	2
<b>SDev</b>																		
<b>SD/M</b>																		

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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 <sup>2</sup>	Mean Velocity: 1.72 ft/s
Gage Height: 0.00 ft	G.H.Change: 0.000 ft	Discharge: 63,600 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 (-1.5°)	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	Type/Freq.: Rio Grande / 600 kHz
WT 3-Beam Solution: NO	Serial #: 1127      Firmware: 10.16
BT Error Vel.: 0.33 ft/s	Bin Size: 50 cm      Blank: 25 cm
WT Error Vel.: 3.50 ft/s	BT Mode: 5      BT Pings: 1
BT Up Vel.: 1.00 ft/s	WT Mode: 12      WT Pings: 1
WT Up Vel.: 6.00 ft/s	WV : 175      WO : 1, 17
Use Weighted Mean Depth: YES	
Max. Vel.: 5.87 ft/s	
Max. Depth: 36.6 ft	
Mean Depth: 21.7 ft	
% Meas.: 57.97	
Water Temp.: None	
ADCP Temp.: 13.6 °C	

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
<b>Mean</b>		<b>0</b>	<b>65</b>	<b>324</b>	<b>15673</b>	<b>36850</b>	<b>8778</b>	<b>0.000</b>	<b>2265</b>	<b>63566</b>	<b>1705</b>	<b>36954</b>	<b>Total</b>	<b>00:03</b>	<b>8.46</b>	<b>1.72</b>	<b>0</b>	<b>1</b>
<b>SDev</b>																		
<b>SD/M</b>																		

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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 partial 003 OVERFLOW measurement.

It will be added to the partial 002 OVERFLOW measurement and then averaged with the 000 OVERFLOW subsection.

The 65 ft REW is a vertical edge representing half of the 130 ft gap between 002 and 003.



57

Levee Rd

28th St

2011\_5\_2\_002

2011\_5\_2\_000

2011\_5\_2\_003

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

Imagery Date: 5/29/2011