

Party: KKJ/TAL	Width: 2,680 ft	Processed by:
Boat/Motor:	Area: 178,000 ft <sup>2</sup>	Mean Velocity: 5.99 ft/s
Gage Height: 0.00 ft	G.H.Change: 0.000 ft	Discharge: 1,070,000 ft <sup>3</sup> /s

Area Method: Avg. Course	ADCP Depth: 1.750 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: None (-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 #: 8708      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.: 10.00 ft/s	WV : 254      WO : 1, 17
Use Weighted Mean Depth: YES	
Max. Vel.: 10.8 ft/s	
Max. Depth: 99.2 ft	
Mean Depth: 66.6 ft	
% Meas.: 85.46	
Water Temp.: None	
ADCP Temp.: 17.1 °C	

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

Project Name: M\_O\_Vel.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
029	L	52	78	749	69594	948505	90031	463	1761	1110355	2692	178695	16:48	16:56	5.50	6.21	0	1
030	R	51	78	621	63656	877335	83003	504	1645	1026143	2664	177836	16:57	17:03	6.63	5.77	0	0
<b>Mean</b>		52	78	685	66625	912920	86517	484	1703	1068249	2678	178265	<b>Total</b>	00:15	6.06	5.99	0	0
<b>SDev</b>		1	0	91	4199	50325	4970	28.8	82.1	59546	20.3	607.7			0.80	0.31		
<b>SD/M</b>		0.01	0.00	0.13	0.06	0.06	0.06	0.06	0.05	0.06	0.01	0.00			0.13	0.05		

**Remarks:** Qm originally generated by KKJ includes 9 transects and Q=1,090,000 cfs. However, 7 of the 9 transects were made further downstream where overflow was moving back into the main channel and over-estimating the main-channel flow rates at Cairo. This Qm of 1,070,000 cfs includes only the first two transects made closest to the overflow measurement starting point near Cairo. -TAK 2/6/12.