

TIMED FLOW MEASUREMENT DATA SHEET

Form updated: 08/14/2006

SITE NAME: _____ WBID #: _____

LEAD INVESTIGATOR: _____ DATE: _____ TIME (MILT): _____

SURFACE VELOCITY

Trial	Time (sec)
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
Sum	
Avg	

Record Distance

ft

Avg Surface Velocity

ft/sec

(Divide distance by avg time)

CROSS SECTIONAL AREA

Section #1 (Start Line)				Section #2 (Mid-point)				Section #3 (Finish Line)			
#	Depth (ft)	#	Depth (ft)	#	Depth (ft)	#	Depth (ft)	#	Depth (ft)	#	Depth (ft)
1		11		1		11		1		11	
2		12		2		12		2		12	
3		13		3		13		3		13	
4		14		4		14		4		14	
5		15		5		15		5		15	
6		16		6		16		6		16	
7		17		7		17		7		17	
8		18		8		18		8		18	
9		19		9		19		9		19	
10		20		10		20		10		20	
Sum				Sum				Sum			

A. How far apart were depth measurements taken?

Every 0.5 ft? Every 1 ft? Every 2 ft?

ft

B. Average value of the summed depth measurements

ft

Avg Cross Sectional Area

Multiply interval (A) by average summed depth (B)

ft²

CORRECTED SURFACE VELOCITY

ft/sec
(Avg Surface Velocity)

X

0.85

=

ft/sec

FLOW CALCULATION

ft/sec
(Corrected Surface Velocity)

X

ft²
(Avg Cross Sectional Area)

=

ft³/sec
(CFS)

COMMENTS:

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