

U.S. DEPARTMENT OF THE INTERIOR
U.S. Geological Survey
WATER RESOURCES DIVISION
DISCHARGE MEASUREMENT NOTES

Meas. No. 66
Sta. No. _____
Comp. by LFS
Commonwealth
Checked by AMS
Date 1-24-08, 19 _____ Party NRM, AMS, LFS
Width 8.9 Area 3.47 Vel. 997 G. H. _____ Disch 3.458
Method _____ No. secs. _____ G. H. change _____ in _____ hrs. Susp. _____
Method coef. _____ Hor. angle coef. _____ Susp. coef. _____ Meter No. _____
Type of meter _____ Date rated _____ Tag checked _____
Meter _____ ft. above bottom of wt. Spin before meas. _____ after _____
Meas. plots _____ % diff. from _____ rating. Levels obtained _____

GAGE READINGS				WATER QUALITY MEASUREMENTS		
Time	Inside	Outside	Notes	No	Yes	Time
1255	1.823	2.195	Tape Down	SC-31.7	<input checked="" type="checkbox"/>	1205
				8.825	<input checked="" type="checkbox"/>	
				EDI	EWI	Other <input checked="" type="checkbox"/>
1345	1.789	2.15				
				8.87		
				EDI	EWI	Other
Weighted M.G.H.				BIOLOGICAL SAMPLES		
G.H. correction				Yes _____ Time _____		
Correct M.G.H.				No _____ Type _____		

Check bar. chain found _____ changed to _____ at _____
Wading, cable, ice, boat, upstr., downstr., side bridge 15 feet, mile, above, (below) gage.
Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%) based on the following cond:
Flow turbulent
Cross section rocks & sand
Control clear
Gage operating yes Weather _____
Intake/Orifice cleaned @ 1335 Air _____ °C @ _____ Water 5.7 °C @ 1255
Record removed _____ Extreme Indicator: Max. _____ Min. _____
Nitrogen Pressure Tank 1700 Feed 10 Bbl rate 30 per min.
CSG checked _____ Stick reading _____
Observer Note: SC probe buried in sand, some sand on orifice
HWM _____ ST 1.823 outside, in well
Remarks *6@1254 WT 5.6 BV 13.7
SC 42.6
AT 5.2
G.H. of zero flow _____ ft. Sheet No. _____ of _____ sheets

.0 .10 .20 .30 .40 .50 .60 .70 .75
River at-

ANGLE COEF- FICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVA- TION DEPTH	REVO- LUTIONS	TIME IN SEC- ONDS	VELOCITY		ADJUST- ED FOR HOR. ANGLE OR *****	AREA	DISCHARGE	.80
							AT POINT	MEAN IN VER- TICAL				
	Lew 2	1313										
	8.3	.5	0									.85
	9.3	.7	.3		15	44		.359		.21	.075	
	9.7	.4	.25		20	42		.489		.1	.049	
	10.1	.4	.33		30	47		.644		.132	.085	.90
	10.5	.4	.45		50	45		1.10		.18	.198	.92
	10.9	.4	.45		50	42		1.17		.18	.211	.94
	11.3	.4	.36		50	45		1.10		.144	.158	
	11.7	.4	.4		60	44		1.34		.16	.214	.96
	12.1	.4	.45		60	41		1.44		.18	.259	.97
	12.5	.4	.4		60	41		1.44		.16	.230	.98
	12.9	.35	.5		80	46		1.70		.175	.298	.99
	13.2	.3	.6		50	42		1.17		.18	.211	
	13.5	.3	.6		50	40		1.23		.18	.221	
⊙	13.8	.3	.6		60	47		1.26		.18	.227	1.00
	14.1	.3	.6		50	40		1.23		.18	.221	
	14.4	.3	.6		40	52		.770		.18	.139	
	14.7	.35	.5		30	40		.752		.175	.132	.99
	15.1	.4	.4		30	43		.701		.16	.112	.98
	15.5	.4	.4		40	52		.770		.16	.123	.97
	15.9	.4	.4		40	48		.832		.16	.133	.96
	16.3	.4	.4		30	43		.701		.16	.112	
	16.7	.35	.24		30	60		.511		.084	.043	.94
	17.0	.25	.2		5	44		.140		.05	.007	.92
	17.2	.1	0									.90
	8.9	8.9						.997		3.47	3.458	
	REW 2	1342										.85
												.80

.0 .10 .20 .30 .40 .50 .60 .70 .75