

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

DISCHARGE MEASUREMENT NOTES

Sta. No. _____ Onyx @ Vanda Meas. No. _____
 Date 11/17/07, 1907 Party ESG, LFS Comp. by _____
 Width 19 Area 16.49 Vel. 1.02 G. H. _____ Disch 10.73
 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	No	Yes	Time
1334	1.990 (F6)		0.242 (m)	No	<input checked="" type="checkbox"/>	1340
				PH = X 7.55		SC = 00.1 WT = 4.9
1350	1.986		0.245 (m)	No	<input checked="" type="checkbox"/>	Time _____
				Method Used _____		
				EDI _____	EWI _____	Other _____
				SEDIMENT SAMPLES		
				No _____	Yes _____	Time _____
				Method Used _____		
				EDI _____	EWI _____	Other _____
				BIOLOGICAL SAMPLES		
				Yes _____	Time _____	
				No _____	Type _____	

Weighted M.G.H. _____
 G.H. correction _____
 Correct M.G.H. _____
 Check bar. chain found _____ changed to _____ at _____
 Wading, cable, ice, boat, upstr., downstr., side bridge _____ feet, mile, above, below gage.
 Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%); based on the following cond:
 Flow uniform, eddies @ sides of x-sect
 Cross section big rocks
 Control clear,
 Gage operating yes Weather clear, sunny, calm
 Intake/Orifice cleaned no Air _____ °C @ _____ Water _____ °C @ _____
 Record removed yes Extreme Indicator: Max. _____ Min. _____
 Nitrogen Pressure Tank 1500 Feed 9 Bbl rate _____ per min.
 CSG checked _____ Stick reading _____
 Observer _____
 HWM _____ outside, in well _____
 Remarks closed gage box, switched out SM,
ran levels

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	
							AT POINT	MEAN IN VER- TICAL				
	6.3											
	7.3	1.5	.21		8	40	.223			.315	.070	.85
	9.3	1.5	.52		25	40	.631			.78	.492	
	10.3	1	.86		80	47	1.67			.86	1.436	.90
	11.3	1	.72		30	43	.701			.72	.505	.92
	12.3	1	.95		20	46	.449			.95	.427	
	13.3	1	.55		80	43	1.82			.55	1.001	.94
	14.3	1	.18		80	46	1.70			.80	1.360	.96
	15.3	1	.71		150	50	2.91			.71	2.066	.97
	16.3	1.5	.82		50	40	1.23			1.23	1.513	.98
	18.3	2	.62		50	49	1.01			1.24	1.252	.99
	20.3	2	.54		30	60	.511			1.08	.552	
o	27.3	2	.38		0	40	0			.76	0	1.00
	24.3	1.5	.33		3	40	.103			.495	.051	
	25.3											.99
												.98
												.97
												.96
												.94
												.92
												.90
												.85
												.80

19

1.02

10.49

10.73

*6 @ 1335

1) 1.987 SF

2) 4.51 WT

3) 39.4 SC

4) 1460 BV