

DISCHARGE MEASUREMENT NOTES

Sta. No. F5 Aiken

Meas. No. _____

Comp. by _____

Checked by _____

Date 12/18/07, 18 Party _____

Width 20.3 Area 6.026 ft² Vel. .654 ft/s G. H. _____ Disch 3.941 cfs

Method _____ No. secs. _____ G. H. change _____ in _____ hrs. Susp. _____

Method coef. _____ Hor. angle coef. _____ Susp. coef. _____ Meter No. _____

Type of meter PYSMY 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 <input checked="" type="checkbox"/>	Time
1544	1.833		.77	PH 7.7	Samples Collected	
1635	1.68		.96	No	Yes <input checked="" type="checkbox"/>	Time
					Method Used	
				EDI	EWI	Other <u>dip</u>
					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 laminar & unsteady

Cross section gravel and small rocks

Control _____

Gage operating yes Weather cloudy and windy

Intake/Orifice cleaned _____ Air _____ °C@ _____ Water _____ °C@ _____

Record removed _____ Extreme Indicator: Max. _____ Min. _____

Nitrogen Pressure Tank 1100 psi Feed 10 psi Bbl rate _____ per min.

CSG checked _____ Stick reading _____

Observer _____

HWM _____ outside, in well _____

Remarks *6 1.83 3V 13.6 06/4.77

At 9.86 cont. 80.6 us

SC 121.5 pH

G.H. of zero flow _____ ft. Sheet No. _____ of _____ sheets

River at-

ANGLE COEF-FICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVATION DEPTH	REVO-LUTIONS	TIME IN SEC-ONDS	VELOCITY		ADJUST-ED FOR HOR. ANGLE OR -----	AREA	DISCHARGE
							AT POINT	MEAN IN VER-TICAL			
	13.2	1.4			LEW @		1605				
	16.0	1.9	.24		5	48		.131		.456	.06
	17.0	1.0	.2		10	50		.223		.2	.045
	18.0	1.0	.2		10	42		.260		.2	.052
	19.0	1.0	.17		20	49		.423		.17	.072
	20.0	1.0	.22		25	42		.603		.22	.133
	21.0	1.0	.25		40	51		.784		.25	.196
	22.0	1.0	.33		40	42		.946		.33	.312
	23.0	1.0	.39		50	47		1.05		.39	.41
	24.0	1.0	.4		50	40		1.23		.4	.492
	25.0	1.0	.4		50	44		1.12		.4	.404
	26.0	1.0	.4		40	47		.849		.4	.34
⊙	27.0	1.0	.38		40	53		.756		.38	.287
	28.0	1.0	.42		40	49		.815		.42	.38
	29.0	1.0	.42		40	48		.832		.42	.349
	30.0	1.0	.4		25	45		.565		.4	.226
	31.0	1.0	.35		15	50		.319		.35	.112
	32.0	2.0	.32		5	60		.111		.64	.071
	35.0		.3		REW @	1632					
	20.3	20.3						.654		6.026	3.941