

DISCHARGE MEASUREMENT NOTES

Meas. No. 70

Sta. No. H1-Anderson

Comp. by _____

Checked by JCK

Date 12-23-07, 19____ Party LFS, AMS, NRM

Width 6.8 Area 2.59 Vel. 1.686 G. H. _____ Disch 4.282

Method _____ No. secs. 15 G. H. change _____ in _____ hrs. Susp. _____

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

Type of meter pygmy 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 <u>1430</u>
<u>1638</u>	<u>2.21</u>		<u>1.01</u> → <u>2.01</u>			Samples Collected <u>SC 52945</u>
				No	Yes <input checked="" type="checkbox"/>	Time <u>WT = 4.1°C</u>
						Method Used <u>PH</u>
				EDI _____	EWI _____	Other <u>Dip</u>
<u>1717</u>	<u>2.24</u>		<u>1.04</u> → <u>2.04</u>	SEDIMENT SAMPLES		
				No	Yes _____	Time _____
						Method Used _____
				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 30 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 sand, gravel

Control clear, flow over weir

Gage operating clear Weather sunny, calm

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

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

Nitrogen Pressure Tank 1750 Feed 10 Bbl rate 20 per min.

CSG checked _____ Stick reading _____

Observer _____

HWM _____ outside, in well _____

Remarks *6 @ 1638 WT .89 BV-12.8 * see back
3) SC - 5.6
4) AT - 14

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			
LEW	6.6	.2	0								
1658	7.0	.4	.5		40	42		.946		.2	.189
	7.4	.4	.5		40	51		.784		.2	.157
	7.8	.4	.6		60	43		1.37		.24	.329
	8.2	.4	.55		100	45		2.17		.22	.477
	8.6	.4	.5		100	45		2.17		.2	.434
	9.0	.4	.5		150	55		2.65		.2	.53
	9.4	.4	.5		100	45		2.17		.2	.434
	9.8	.4	.45		100	48		2.03		.18	.365
	10.2	.4	.4		100	47		2.07		.16	.331
	10.6	.4	.4		100	43		2.26		.16	.362
	11.0	.4	.35		80	42		1.86		.14	.260
⊙	11.4	.4	.3		80	51		1.54		.12	.185
	11.8	.4	.3		60	45		1.31		.12	.157
	12.2	.4	.2		40	53		.756		.08	.0605
	12.6	.6	.2		3	42		.100		.12	.0102
	13.4	.4	0								0.012
	6.8	6.8						1.686		2.54	4.282
	REW	1713									

* confirmed that temp orifice has been connected for the entire season - Re-connected perm orifice to purge. Line won't purge. Kept temp orifice attached