

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

Meas. No. _____

Sta. No. F9 Green

Comp. by _____

Checked by _____

Date 12-22-07, 19____ Party NRM, AMS, LFD

Width 5.4 Area 1.50 Vel. _____ G. H. _____ Disch 2.104

Method _____ No. secs. _____ 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	Time
<u>1505</u>	<u>4.138</u>		<u>.635</u>		<u>X</u>	<u>1510</u>
						<u>Cond 15.3 μS</u>
				No	Yes <u>X</u>	Time <u>PH</u>
						Method Used <u>WT °C</u>
				EDI _____	EWI _____	Other <u>Dip</u>
<u>1540</u>	<u>4.158</u>		<u>.610</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 150 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 rocky

Control clear

Gage operating _____ Weather overcast, windy

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

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

Nitrogen Pressure Tank 1150 Feed 17 Bbl rate 50 x 30 per min.

CSG checked _____ Stick reading _____

Observer _____

HWM _____ outside, in well _____

Remarks *6 @ 1505 WT 4.87

SC 18.2

BV 14.3

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

ANGLE COEFFICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVATION DEPTH	REVOLUTIONS	TIME IN SECONDS	VELOCITY		ADJUSTED FOR HOR. ANGLE OR	AREA	DISCHARGE
							AT POINT	MEAN IN VERTICAL			
LEW	4.6	.2	0	.6							
1519	5.0	.35	.2		7	44		.184		.07	.0129
	5.3	.3	.3		20	41		.500		.09	.0450
	5.6	.3	.3		30	40		.752		.09	.0677
	5.9	.3	.3		60	45		1.31		.09	.1179
	6.2	.3	.5		150	56		2.60		.15	.39
	6.5	.3	.6		100	41		2.37		.18	.4266
	6.8	.3	.5		50	44		1.12		.15	.168
	7.1	.3	.5		80	42		1.86		.15	.279
	7.4	.3	.5		80	46		1.70		.15	.255
	7.7	.3	.4		50	40		1.23		.12	.1476
	8.0	.4	.35		40	40		.992		.14	.1389
0	8.5	.45	0					-		0	0
	8.9	.45	.1		15	40		.391		.045	.0176
	9.4	.4	.1		30	43		.701		.04	.0280
	9.7	.3	.1		15	51		.314		.03	.0099
	10.0	.15	0					1.068			
	5.4	5.4									
	REW	2	1537							1.995	2.104