

WATER RESOURCES DIVISION

Sta. No. Langson @ B3 **DISCHARGE MEASUREMENT NOTES** Checked by _____

Date 1/2/64 Party JCK & KAM
 Width 6.2 Area 1.98 Vel. 2.59 G.H. _____ Disch. 5.12
 Method S-6 No. secs. 21 G.H. change _____ in _____ hrs. Susp. Red
 Method coef. 1.0 Hor. angle coef. 1.0 Susp. coef. 1.0 Meter No. P90248
 Type of meter 1777 Date rated _____ Tag checked _____
 Meter _____ ft. above bottom of wt. Spin before meas. _____ after FREE
 Meas. Plots _____ % diff. from _____ rating. Levels obtained No

GAGE READINGS					TD			WATER QUALITY MEASUREMENTS		
Time	Inside				Outside	No	Yes	Time		
0952	7.04				7.75"		X	Time		
					7.11"	No	X	Time		
1036	6.99				8.5"			Time		
					7.05"			Time		
					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 150 feet, mile, above, below gage.
 Measurement rated excellent(2%), good (5%), fair (8%), poor (over 8%); based on the following cond:
 Flow converging, a bit of cross flow carrying lotsa seds
 Cross section deep, confined
 Control Artificial sand bag weir; clear
 Gage operating _____ Weather _____
 Intake/Orifice cleaned _____ Air _____ °C@ _____ Water _____ °C@ _____
 Record removed _____ Extreme Indicator: Max. _____ Min. _____
 Manometer N₂ Pressure Tank 1900 Feed 10 Bbl rate 32 per min.
 CSG checked _____ Stick reading _____
 Observer _____
 HWM _____ outside, in well
 Remarks #6 @ 0952 The Downr 7.75" OG:WT:2.39, 0.27.
Stage: 7.04
But: 13.7

Angle coef- ficient	Dist. from initial point	Width	Depth	Observa- tion depth	Rev- olu- tions	Time in sec- onds	VELOCITY		Adjusted for hor. angle or -----	Area	Discharge
							At point	Mean in ver- tical			
	5.10	0.5 0	0							0	0
	5.6	0.5 0.5	0.1		30	42		0.717		0.025 0.040	.029
	5.9	0.3	0.15		60	45		1.31		0.045	.059
	6.2	0.3	0.32		80	52		1.51		0.096	.145
	6.5	0.3	0.44		80	43		1.82		0.132	.240
	6.8	0.3	0.37		150	51		2.86		0.111	.317
	7.1	0.3	0.58		150	53		2.75		0.174	.478
	7.4	0.3	0.63		150	45		3.23		0.189	.610
	7.7	0.3	0.56		150	47		3.10		0.168	.521
	8.0	0.3	0.50		150	51		2.86		0.150	.429
	8.3	0.3	0.48		150	45		3.23		0.144	.465
	8.6	0.3	0.50		150	50		2.91		0.150	.436
	8.9	0.3	0.40		150	51		2.86		0.120	.343
	9.2	0.3	0.36		150	46		3.16		0.108	.341
o	9.5	0.3	0.36		150	48		3.03		0.108	.327
	9.8	0.3	0.30		100	42		2.32		0.090	.209
	10.1	0.3	0.20		100	47		2.07		0.060	.124
	10.4	0.3	0.17		40	48		0.832		0.051	.042
	10.7	0.3	0.10		10	43		6.255		0.030	.007
	11.0	.3	0.05		0	0		0		.015	0
	11.3	0.5 0.15	0 REW							0	0
	w	v						v		A	Q
	6.2	6.2						2.59		1.98	5.12