

9-275-F
(Apr. 93)

NATIVE VILLAGE OF ELIM

Meas. No.

Comp. by L.T.

Sta. No. 01 DISCHARGE MEASUREMENT NOTES Checked by Tubuktalik River above Vulkan Creek N.Y. ELIM

Date 07/27, 1995 Party HARSH, LEIGHT, TOMS

Width 162 ft Area 184.05 Vel. 1.74 G.H. 0 Disch. 139.39

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

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

Type of meter St. S. S. Y. Date rated Tag checked

Meter ft. above bottom of wt. Spin before meas. 93 sec. after 18 sec.

Meas. Plots % diff. from rating. Levels obtained N.D.

GAGE READINGS			WATER QUALITY MEASUREMENTS		
Time	Inside	Outside	No	Yes	Time
<u>1135</u>	<u>WT</u>	<u>---</u>		<u>X</u>	<u>1430</u>
<u>1400</u>			No	<u>X</u>	Time
<u>1206</u>	<u>12.50</u>		EDI	Method Used	
				EWI	Other
SEDIMENT SAMPLES			BIOLOGICAL SAMPLES		
			No	<u>X</u>	Time
			EDI	Method Used	
				EWI	Other
Weighted M.G.H.	<u>12.52</u>	<u>4.16</u>	Yes	<u>X</u>	Time <u>1530</u>
G.H. correction		<u>0</u>	No		Type <u>Macroinsects</u>
Correct M.G.H.		<u>4.16</u>			

Check bar chain found changed to at

Wading, cable, ice, boat (upst.), downstr., side bridge 300 (feet/mile) (above, below gage)

Measurement rated excellent (2%), good (5%) (fair (8%), poor (over 8%); based on the following cont

Flow Steady

Cross section Cobble and gravel

Control Cobble riffle located 50 feet below gage

Gage operating Yes Weather Sunny cloudy rainy

Intake/Office cleaned Air °C @ Water 12.5 °C @ 1206

Record removed Extreme Indicator: Max. Min.

Manometer N₂ Pressure Tank Feed Bbl rate per min.

CSG checked Stick reading

Observer NONE

HWM outside, in well

Remarks

G. H. of zero flow 4.16 ft. Sheet No. 01 of 01 sheets

River #1-

Staging point	Dist. from initial point	Width	Depth	grip un- der foot	Re- v- er- sions	Time in sec- onds	VELOCITY		Adjusted for bar, angle or	Area	Discharge	
							At point	Mean in veg- ital				
REW			1.1		67	40		1.95				.80
36	3		1		78	40		1.95		3	5.85	.85
39	3		.6		57	40		1.47		1.8	2.65	
42	3		.25		0	40				.75		
45	3		1		0	40				3		.80
48	3		.15		23	40		.511		.45	.23	.92
51	3		.05		0	40				.15		.94
54	3		0		0	40				0		.96
57	3		0		0	40				0		.97
60	3		0		0	40				0		.98
63	3		0		0	40				0		.99
66	3		0		0	40				0		
69	3		2		1	40		.103		12	.62	
72	3		4		0	40						1.00
75	3		.7		20	40		.511		2.1	1.07	
78	3		.9		24	40		.511		2.7	1.38	
81	3		1.1		24	40		.511		3.3	1.69	
84	3		1.25		19	40		.511		3.75	1.92	.99
87	3		1.2		20	40		.511		3.6	1.84	.98
90	3		1		19	40		.511		3	1.53	.97
93	3		.9		24	40		.511		2.7	1.38	.96
96	3		1		24	40		.511		3	1.53	.94
99	3		.9		24	40		.511		2.7	1.38	.94
102	3		.55		17	40		.391		1.05	.65	.92
105	3		.7		13	40		.271		2.1	.57	.90
108	3		.6		13	40		.271		1.8	.49	
111	3		.3		19	40		.511		.9	.46	
114	3		.4		20	40		.511		1.2	.62	.85
117	3		.4		19	40		.511		1.2	.61	
120	3		.6		21	40		.511		1.8	.92	
123	3		.8		14	40		.391		2.4	.94	.80
126	3		.8		19	40		.511		2.4	1.23	

River #2-

Staging point	Dist. from initial point	Width	Depth	grip un- der foot	Re- v- er- sions	Time in sec- onds	VELOCITY		Adjusted for bar, angle or	Area	Discharge	
							At point	Mean in veg- ital				
129	3		1		19	40		.511		3	1.53	.80
132	3		1.2		27	40		.752		3.6	2.71	.85
135	3		1.3		30	40		.752		4.2	3.16	
138	3		1.4		32	40		.752		4.165	3.50	
141	3		1.55		45	40		1.23		4.5	5.54	.90
144	3		1.5		48	40		1.23		4.5	5.54	.92
147	3		1.6		43	40		.992		4.8	5.06	.94
150	3		1.7		37	40		.992		5.1	5.06	.96
153	3		1.7		56	40		1.47		5.1	7.50	.97
156	3		1.9		44	40		.992		5.7	5.65	.98
159	3		2		36	40		.992		6	5.95	.99
162	3		2.1		32	40		.752		6.3	4.74	.99
165	3		2.1		34	40		.752		6.3	4.74	
168	3		2.1		34	40		.752		6.3	4.74	
171	3		2		35	40		.992		6	5.95	1.00
174	3		2.05		34	40		.752		6.15	4.62	
177	3		1.9		37	40		.992		5.7	5.65	.99
180	3		1.6		44	40		.992		4.8	4.76	.99
183	3		1.8		46	40		1.23		5.4	6.64	.98
186	3		2.1		39	40		.992		6.3	6.25	.97
189	3		2		47	40		1.23		6	7.38	.96
192	3		1.4		28	40		.752		4.2	3.16	.94
REW			1.5		10	40		.271				