

9-275-F
(Apr. 93)

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

Meas. No. _____
Comp. by MG

WATER RESOURCES DIVISION

Sta. No. _____ DISCHARGE MEASUREMENT NOTES Checked by _____

Omey River @ Vanda
Date 1/7, 192000 Party MG, JM, EC, DS
Width 26.1 Area 20.8 ft² Vel. 0.431 ft/s G.H. _____ Disch. 8.97 cfs
Method wading No. secs. 23 G.H. change _____ in _____ hrs. Susp. _____
Method coef. _____ Hor. angle coef. _____ Susp. coef. _____ Meter No. _____
Type of meter P390 Date rated _____ Tag checked NO
Meter _____ ft. above bottom of wt. Spin before meas. _____ after _____
Meas. Plots _____ % diff. from _____ rating. Levels obtained NO

(ft) GAGE READINGS					(m) WATER QUALITY MEASUREMENTS		
Time	Inside	WT	SC	Outside	No	Yes	Time
1010	1.73	2.59	28.8	0.175		<input checked="" type="checkbox"/>	1010
1039	1.73	3.44	28.9	0.175	No	<input checked="" type="checkbox"/>	1010
1055	1.74	3.95	28.6	0.173			
					<u>Samples Collected</u>		
					<u>Method Used</u>		
					EDI	EWI	Other
					<u>SEDIMENT SAMPLES</u>		
					No	<input checked="" type="checkbox"/>	Yes
					<u>Method Used</u>		
					EDI	EWI	Other
<u>Weighted M.G.H.</u>					<u>BIOLOGICAL SAMPLES</u>		
<u>G.H. correction</u>					Yes		Time
<u>Correct M.G.H.</u>					No	<input checked="" type="checkbox"/>	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 Uniform
 Cross section sand, gravel, cobble
 Control clear
 Gage operating yes Weather partly cloudy, breezy
 Intake/Orifice cleaned no Air _____ °C@ _____ Water _____ °C@ _____
 Record removed no Extreme Indicator: Max. _____ Min. _____
 Manometer N₂ Pressure Tank 10 Feed 1650 Bbl rate _____ per min.
 CSG checked NA Stick reading _____
 Observer _____
 HWM _____ outside, in well _____
 Remarks WT = 3.75 V = 13.9
SC = 45.45
150 tops #130
 G. H. of zero flow _____ ft. Sheet No. _____ of _____ sheets

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			
	2.9	.55	.31		—	—	LEW@1023				
	4.0	1.05	.38	.6	0	40		0		0.171	0
	5.0	1.00	.62	.6	5	45		.138		0.399	0
	6.0	1.00	.62		15	53		.303		.62	0.086
	7.0	1.00	.69		20	50		.415		.62	0.188
	8.0	1.00	.82		20	40		.511		.69	0.286
	9.0	1.00	1.20		25	46		.553		.82	0.419
	10.0	1.00	1.26		30	54		.565		1.20	0.066
	11.0	1.00	1.06		36	45		.671		1.26	0.712
	12.0	1.00	1.11		30	43		.701		1.06	0.711
	13.0	1.00	1.17		40	53		.756		1.11	0.778
	14.0	1.00	1.08		40	48		.832		1.17	0.885
	15.0	1.00	1.00		40	49		.815		1.08	0.899
	16.0	1.00	.91		40	47		.849		1.00	0.815
o	17.0	1.00	.87		40	54		.743		.91	0.773
	18.0	1.00	.88		30	46		.658		.87	0.646
	19.0	1.00	.88		25	46		.553		.88	0.579
	20.0	1.00	.97		20	53		.394		.88	0.487
	21.0	1.00	1.07		5	40		.151		.97	0.382
	22.0	1.00	.91		3	40		.103		1.07	0.162
	23.0	1.00	.91		0	40		0		0.91	0.094
	24.0	3.00	.73		0	40		0		0.91	0
	29.0	2.50	0		REW@1050					2.19	0
	$\Sigma = 26.1$									$\Sigma Q = 8.968 \text{ cfs}$	
										$\Sigma A = 20.79 \text{ ft}^2$	

River at Vanda 01/07/00

$\Sigma A = 20.79 \text{ ft}^2$

$\Sigma Q = 8.968 \text{ cfs}$