Form 9-275-G
(Nov 1993)

U.S. DEPARTMENT OF THE INTERIOR
U.S. Geological Survey
WATER RESOURCES DIVISION

DISCHARGE MEASUREMENT NOTES

Onyx River @ Lake Vanda — Meas. No. _____

Sta. No. _____ Clear, breeze from W. ~0°C A.T. — Comp. by _____

Checked by _____

Date 12-21-06, 19 _____ Party PAC, LS, EG PM

Width 19.5 Area 9.77 Vel. .234 G. H. _____ Disch 2.28

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

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

Type of meter _____ Date rated _____ Tag checked _____

Meter _____ ft. above bottom of wt. Spin before meas. _____ after _____

Meas. plots _____ % diff. from _____ rating. Levels obtained _____

GAGE READINGS

Time		Inside			Outside
1149		1.78		#	0.18
	# outside in meters				
1245		1.76		#	0.178

Weighted M.G.H. _____
G.H. correction _____
Correct M.G.H. _____

WATER QUALITY MEASUREMENTS

No _____ Yes X Time 1205

Samples Collected SC = 73.0 uS

No _____ Yes X Time Cond = [redacted]

Method Used 41 2 ml

EDI _____ EWI _____ Other _____

SEDIMENT SAMPLES WT =

No _____ Yes _____ Time 2.1°C

Method Used

EDI _____ EWI _____ Other _____

BIOLOGICAL SAMPLES

Yes _____ Time _____

No _____ Type _____

Check bar. chain found _____ changed to _____ at _____

(Wading) cable, ice, boat, upstr., downstr., side bridge 10 (feet) mile, above, (below) gage.

Measurement rated excellent (2%), good (5%), fair (8%), (poor (over8%)); based on the following cond:

Flow eddies

Cross section deep w/ large rocks

Control clear

Gage operating yes Weather Clear, Sleazy

Intake/Orifice cleaned no Air 0 °C@ _____ Water 2.1 °C@ _____

Record removed no Extreme Indicator: Max. _____ Min. _____

Nitrogen Pressure Tank 1550 Feed 9 Bbl rate _____ per min.

CSG checked _____ Stick reading _____

Observer _____

HWM _____ outside, in well

Remarks pH = 7.87, Crust of ice on staff broken up to take reading

G.H. of zero flow _____ ft. Sheet No. 1 of 2 sheets

*U.S. GOVERNMENT PRINTING OFFICE: 1993-560-446

River at–

ANGLE COEFFICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVATION DEPTH	REVOLUTIONS	TIME IN SECONDS	VELOCITY AT POINT	VELOCITY MEAN IN VERTICAL	ADJUSTED FOR HOR. ANGLE OR ----------	AREA	DISCHARGE
							Rock		x-s	Poor meas.	
	12.0	LEW @ 3.5'					Cleared	ice from	channel		
	3.5	LEW						to	clear x-s		
	4.1	.65	0.37		0	60	0			.215	0
	4.8	.6	0.40		0	60	0			.240	0
	5.3	.5	0.51		3	70	0.072			.255	.018
	5.8	.5	0.68		7	41	0.195			.340	.066
	6.3	.5	0.63		15	42	0.374			.315	.118
	6.8	.5	0.71		7	50	0.166			.355	.059
	7.3	.5	0.47		5	41	0.148			.235	.035
	7.8	.65	0.50		10	45	0.215			.325	.080
	8.3	.8	0.65		5	40	0.151			.520	.079
⊙	9.4	.65	0.62		3	70	0.072			.403	.029
	9.9	.65	0.70		5	46	0.136			.455	.062
	10.7	.65	0.69		7	47	0.174			.449	.078
	11.2	.5	0.51		10	49	0.227			.255	.058
	11.7	.5	0.59		15	43	.366			.295	.108
	12.2	.5	0.62		15	40	0.391			.310	.121
	12.7	.5	0.79		25	40	0.631			.395	.249
	13.2	.5	0.70		20	44	.468			.350	.164
	13.7	.5	0.71		15	47	0.338			355	.120
098	14.2	.5	0.68		25	43	0.590		.578	.340	.197
	14.7	.75	0.52		5	50	0.127			.390	.050
	15.7	.75	0.66		7	47	0.174			.50	.086
	16.2	.75	0.52		15	55	0.283			390	.114
	16.7	.5	0.58		20	40	0.511			.290	.148