9-275-F
(Rev. 10-81)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

Meas. No. 11

Comp. by. KAM

Sta. No. 00000002 **DISCHARGE MEASUREMENT NOTES** Checked by JCK

Huey Cr @ FZ, Taylor Valley, Antarctica

Date 1/9, 19 2006 Party KA Miller

Width 3.0 Area .594 Vel. 1.41 G. H. ..... Disch. 0.839

Method E No. secs. 14 G. H. change 1136 in ..... hrs. Susp. Rod

Method coef. 1 Hor. angle coef. 1 Susp. coef. 1 Meter No. N/A

Type of meter Pygmy Date rated ..... Tag checked .....

Meter ..... ft. above bottom of wt. Spin before meas. 50 after FREE

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

GAGE READINGS					
Time		Inside	ADR	Graphic	Outside
1126		1.34	4.34	14.4	.47±
1130					
(S) 1133					
1145					
(F) 1148					
1151		1.34	4.35	12.7	.51±
Weighted M.G.H.					
G. H. correction					
Correct M.G.H.					

WATER QUALITY MEASUREMENTS

No ✓ Yes ..... Time .....

.03

Samples Collected

No ✓ Yes ..... Time .....

Method Used

EDI ..... EWI ..... Other .....

SEDIMENT SAMPLES

.03

No ✓ Yes ..... Time .....

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. 20 feet, mile, above, below gage.

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

Flow ..... Poor distribution; shallow

Cross section ... gravel/sand; cobbles

Control ... Flume w/ sandbag wingwall/overflow

Gage operating Batt. 13.4 Weather Breeze/clear

Intake/Orifice cleaned No Air ..... °C@ ..... Water ..... °C@ .....

Record removed N/A Extreme Indicator: Max. N/A Min. N/A

Manometer N_2 Pressure Tank 1450 Feed 10 Bbl rate ..... per min.

CSG checked ..... Stick reading .....

Observer .....

HWM ..... outside, in well

Remarks Dry/clear (no silt)

Some seepage

Pile-up on staff (steep, angled approach)

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

clear

.0 .10 .20 .30 .40 .50 .60 .70 .75

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
			LEW		1133						
	3.8	.15	0							0	0
	4.1	.30	.13	5	50	49		1.01		.039	.039
	4.4		.16		50	40		1.23		.048	.059
	4.7		.19		40	40		.992		.057	.057
	5.0		.19		80	44		1.78		.057	.101
	5.3		.20		100	47		2.07		.060	.124
	5.6		.17		60	40		1.47		.051	.075
	5.9		.18		60	43		1.31		.054	.074
	6.2		.17		50	50		.992		.051	.051
	6.5		.17		80	47		1.67		.051	.085
	6.8		.14		80	45		1.74		.048	.084
	7.1	.30	.22		50	40		1.23		.066	.081
	7.4	.25	.05		30	40		.752		.012	.009
⊙	7.6	.10	0							0	0
	W/	V	REW		1148			V		A/	Q/
	3.8	3.8						1.41		.594	.839
								1.36 JCK			

.0 .10 .20 .30 .40 .50 .60 .70 .75

.80 .85 .90 .92 .94 .96 .97 .98 .99 1.00 .99 .98 .97 .96 .94 .92 .90 .85 .80