

WATER RESOURCES DIVISION

Sta. No. 00000002 DISCHARGE MEASUREMENT NOTES Checked by JCK

Huey Cr @ FZ, Taylor Valley, Antarctica

Date Jan 8, 19 2006 Party K A Miller

Width 3.9 Area 1.639 Vel. 1.97 G.H. Disch. 1.29

Method S, -6 No. secs. 14 G.H. change .05 in .6 hrs. Susp. Red.

Method coef. 1.0 Hor. angle coef. 1.0 Susp. coef. 1.0 Meter No. N/A

Type of meter Pygmy Date rated Tag checked

Meter ft. above bottom of wt. Spin before meas. 51" after FREE

Meas. plots. % diff. from. rating. Levels obtained No

GAGE READINGS

WATER QUALITY MEASUREMENTS

Time	Inside	ADR	Graphic	Outside
2004	1.0164	2.52	7.42	0.67 ± .02
2010				
2015				
2027				
2030	1.0253	2.37	9.19	0.61 ± .02

No	Yes	Time
<input checked="" type="checkbox"/>		
Samples Collected		
<input checked="" type="checkbox"/>		
Method Used		
EDI	EWI	Other

No	Yes	Time
<input checked="" type="checkbox"/>		
Method Used		
EDI	EWI	Other

BIOLOGICAL SAMPLES		
Yes		Time
No	<input checked="" type="checkbox"/>	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 Rapid, fairly well distributed

Cross section Cobble & gravel

Control Sandbag wing walls & flume; overflow; clear

Gage operating Btl 13.7 / 13.9 Weather Clear, breeze

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

Record removed No Extreme Indicator: Max. N/A Min. N/A

Manometer N₂ Pressure Tank 0 Feed 0 Bbl rate 0 per min.

CSG checked Stick reading

Observer

HWM outside, in well

Remarks Approach section to flume causing pile up on staff? DG. might be reading high

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

2032

River at—

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			
			LEW		20	10					
	3.9	.15	0							0	0
	4.2	.30	.10	S	50	40	S	1.23		.030	.037
	4.5		.22		80	49		1.60		.066	.104
	4.8		.20		100	47		2.07		.060	.124
	5.1		.18		100	44		2.21		.054	.119
	5.4		.20		150	55		2.65		.060	.159
	5.7		.16		100	40		2.43		.048	.117
	6.0		.18		100	41		2.37		.054	.128
	6.3		.20		100	47		2.07		.060	.124
	6.6		.20		100	42		2.32		.060	.139
	6.9		.22		80	42		1.86		.066	.123
	7.2		.10		80	51		1.54		.030	.046
	7.5	.30	.17		60	46		1.28		.051	.065
o	7.8	.15	0							0	0
	W/	✓	REW		20	27		V/		A/	Q/
	3.9	3.9						2.02 SCIC		.639	1.29
								1.97			