

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Meas. No. 9  
Comp. by. PRW

WATER RESOURCES DIVISION

Sta. No. Harnish DISCHARGE MEASUREMENT NOTES Checked by JH

Date Dec 8, 2004 Party P.R. Wright, J., G.  
Width 7.2 Area 848 Vel. 368 G.H. 312 Disch. 312  
Method      No. secs. 16 G.H. change      in      hrs. Susp. Red  
Method coef. 1 Hor. angle coef. 1 Susp. coef. 1 Meter No. P 90248  
Type of meter Pygmy Date rated 6/99 Tag checked NA  
Meter      ft. above bottom of wt. Spin before meas.      after       
Meas. plots.      % diff. from      rating. Levels obtained No

GAGE READINGS

WATER QUALITY MEASUREMENTS

Time	Inside	ADR	<u>TD</u> <u>Graphic</u>	Outside
<u>1805</u>	<u>5.88</u>		<u>1.47</u>	<u>5.67</u>
<u>1900</u>	<u>5.87</u>		<u>1.47</u>	
Weighted M.G.H.				
G. H. correction				
Correct M.G.H.				

No	Yes <input checked="" type="checkbox"/>	Time <u>1815</u>
<u>Samples Collected</u>		
No	Yes <input checked="" type="checkbox"/>	Time <u>1815</u>
<u>Method Used</u>		
EDI	EWI	Other <u>Grab</u>
<u>SEDIMENT SAMPLES</u>		
No	Yes	Time
<u>Method Used</u>		
EDI	EWI	Other
<u>BIOLOGICAL SAMPLES</u>		
Yes		Time
No		Type

Check bar. chain found      changed to      at       
Wading, cable, ice, boat, upstr., downstr., side bridge. 40 feet, mile, above, below gage.  
 Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%), based on the following cond:  
 Flow fairly uniform  
 Cross section Sand, Gravel  
 Control Clear  
 Gage operating Yes Weather P. Cloudy, 14 breeze, Warm  
 Intake/Orifice cleaned N Air      °C@      Water      °C@       
 Record removed N Extreme Indicator: Max.      Min.       
 Manometer N<sub>2</sub> Pressure Tank 1750 Feed 10 Bbl rate OK per min.  
 CSG checked NA Stick reading NA  
 Observer       
 HWM      outside, in well  
 Remarks Check data & Time. Day: 342, Year: 2004, Time: 1803  
Batt Volt: 13.7 volts, Spec. Cond: 219.3 uS, wt 8.3

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			
	3.0	.5	0		rev	@		18:26			
	4.0	.75	0.07		0	40				.052	0
	4.5	.4	0.1		20	48		0.458		.04	.017
	4.8	.3	0.19		20	49		0.423		.057	.024
	5.1	.3	0.16		20	44		0.468		.048	.022
	5.4	.3	0.16		15	43		0.366		.048	.018
	5.7	.3	0.2		15	41		0.383	.305	.06	.023
	6.0	.3	0.22		15	46		0.344		.066	.023 .127
	6.3	.3	0.24		15	43		0.366		.072	.026
	6.6	.3	0.24		20	46		0.449		.072	.032
	6.9	.3	0.20		20	43		0.478		.06	.029
	7.2	.3	0.16		20	41		0.500		.048	.024
	7.5	.3	0.15		20	50		0.415		.045	.019 .257
	7.8	.3	0.15		15	41		0.383		.045	.017
0	8.1	.3	0.14		15	40		0.39		.042	.016
	8.4	.3	0.10		15	47		0.338		.03	.010
	8.7	.9	0.07		7	43		0.188		.063	.012
	10.2	.75	0		lew	@	18:50			.0848	.0312
	7.2	7.2									