

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Meas. No.
Comp. by PRW

773135161404001 WATER RESOURCES DIVISION

Sta. No. DISCHARGE MEASUREMENT NOTES Checked by

Onyx River @ Lake Vanda Weir
Date 1/5/09, 19... Party CHW ARB PRW
Width 413 ft Area 155203 Vel. 1.989 G. H. Disch 308 cfs
Method 0.6 No. secs. 30 G. H. change. in hrs. Susp. red
Method coef. 1 Hor. angle coef. 1 Susp. coef. calcd Meter No. P2151
Type of meter Flow Tracker Date rated Tag checked
Meter ft. above bottom of wt. Spin before meas. NA after NA
Meas. plots. % diff. from. rating. Levels obtained.

GAGE READINGS					WATER QUALITY MEASUREMENTS		
Time	Subson	Inside	Graphic	Outside	No	Yes	Time
09:52	2052	2.8407	1.91			X	10:30-10:37
09:57							
10:26	1.88	2.877				X	10:20
10:46	1.88	2.7048					
11:04	1.89	2.8867					
11:30	1.90	2.8618					
12:03	1.87	2.8735					
Weighted M.G.H.		2.874 ft					
G. H. correction							
Correct M.G.H.							

Check bar. chain found changed to at

Wading, cable, ice, boat, upstr., downstr., side bridge. 500 feet, mile, above, below gage.

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

Flow. Very mixed w/ shallow, low velocity & deeper turbulent

Cross section Boulder cobble had some very shallow sections

Control Weir is submerged completely in channel control

Gage operating Yes Weather P. Cloudy, Warm

Intake/Orifice cleaned No Air °C@ Water 2.6 °C@

Record removed No Extreme Indicator: Max. Min.

Manometer N₂ Pressure Tank 1300 Feed 14 Bbl rate 30 per min.

CSG checked NA Stick reading NA

Observer subson time off at 11:04 it reads 2204

HWM outside, in well

Remarks Subson reading 20:52 DV=13.66 Stg=1.91

1.8953 1.8927 2.0514 3.36 4.135 4.12 7.66 8.1 3.14 9.00

SC in stream = 6.7.5 ms @ 2.6 °C @ t = 10:20

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

Approx 3 CFS missed by wading section