

## U.S. DEPARTMENT OF THE INTERIOR

U.S. Geological Survey

WATER RESOURCES DIVISION

### DISCHARGE MEASUREMENT AND GAGE INSPECTION NOTES

Meas. No. \_\_\_\_\_

Comp. by \_\_\_\_\_

Checked by \_\_\_\_\_

Sta. No. \_\_\_\_\_

Sta. Name Onyx @ LWR-T

Date 05 Jan, 2013 Party DC, JP, ANW, JK

Width 17.0' Area 11.14 Vel. 1.20 G. H. \_\_\_\_\_ Disch. 13.40 cfs

Method Flow Tracer No. secs. \_\_\_\_\_ G. H. change \_\_\_\_\_ in \_\_\_\_\_ hrs.

Method coef. \_\_\_\_\_ Horiz. angle coef. \_\_\_\_\_ Susp. \_\_\_\_\_ Tags checked \_\_\_\_\_

Meter Type \_\_\_\_\_ Meter No. \_\_\_\_\_ Meter \_\_\_\_\_ ft. above bottom of wt.

Rating used \_\_\_\_\_ Spin test before meas. \_\_\_\_\_; after \_\_\_\_\_

Meas. plots \_\_\_\_\_ % diff. from rating no. \_\_\_\_\_ Indicated shift \_\_\_\_\_

| GAGE READINGS |        |  |  |  |        |         |
|---------------|--------|--|--|--|--------|---------|
| Time          |        |  |  |  | Inside | Outside |
|               |        |  |  |  |        |         |
|               |        |  |  |  |        |         |
| 1132          | Start  |  |  |  | 1.34   | 1.35    |
|               |        |  |  |  |        |         |
|               |        |  |  |  |        |         |
|               |        |  |  |  |        |         |
|               |        |  |  |  |        |         |
|               |        |  |  |  |        |         |
|               |        |  |  |  |        |         |
| 1228          | Finish |  |  |  |        |         |
| 1230          |        |  |  |  | 1.337  | 1.34    |
| Weighted MGH  |        |  |  |  |        |         |
| GH correction |        |  |  |  |        |         |
| Correct MGH   |        |  |  |  |        |         |

Samples collected: water quality, sediment, biological, other \_\_\_\_\_

② 1135

Measurements documented on  
separate sheets: water quality,  
aux./base gage, other \_\_\_\_\_

Rain gage serviced/calibrated \_\_\_\_

Weather: \_\_\_\_\_

Air Temp. 3.14 °C at 1128

Water Temp: 5.0 °C at 1126

Check bar/chain found \_\_\_\_\_

Changed to \_\_\_\_\_ at \_\_\_\_\_

Correct \_\_\_\_\_

Wading, cable, ice, boat, upstr., downstr., side bridge, \_\_\_\_\_ ft., mi. upstr., downstr. of gage.

Measurement rated excellent (2%), good (5%), fair (8%), poor (> 8%); based on following conditions: Flow: steady, uniform flow

Cross section: DS of channel by ~200 ft, wide cobble  
bottom

Gage operating: \_\_\_\_\_ Record Removed \_\_\_\_\_

Battery voltage: \_\_\_\_\_ Intake/Orifice cleaned/purged: \_\_\_\_\_

Bubble-gage pressure, psi: Tank 1750 , Line 9.2 ; Bubble-rate 40 /min.

Extreme-GH indicators: max \_\_\_\_\_, min \_\_\_\_\_.

CSG checked:      HWM height on stick \_\_\_\_\_ Ref. elev. \_\_\_\_\_ HWM elev. \_\_\_\_\_

HWM inside/outside: \_\_\_\_\_

Control: \_\_\_\_\_

Remarks: \_\_\_\_\_

GH of zero flow = GH \_\_\_\_\_ - depth at control \_\_\_\_\_ = \_\_\_\_\_ ft., rated \_\_\_\_\_

Sheet No. \_\_\_\_\_ of \_\_\_\_\_ sheets



## SITE VISIT NOTES

Onyx @ LWRT

05 January, 2013

arrive @ 1126 w/ JD, DC, TK

'flowing' clear, sunny, breezy

M<sub>2</sub> @ 1750 psi, seg @ 9.2 psi\*6 @ 1128      OG @ 1126

st 1.34      1.35 gage height

WT 4.88      5.0 °C

SC 26.65      37.0  $\mu S/cm$ 

AT 3.14      —

BV 13.79      —

DC is running flowTracker meas. PS of control

START PEN @ 1128

END LEW @ 1230

Q = 13.40 cfs

WQ sample 1135 by ANW

SCM = 37.0  $\mu S/cm$ 

Tm = 5.0 °C

\*6 @ 1230      OG @ 1230

st 1.337      1.34 gage height.