

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Meas. No.

Comp. by.

WATER RESOURCES DIVISION

Sta. No. DISCHARGE MEASUREMENT NOTES Checked by

Lyons Creek @ B4
Date *12/29*, 19 *95* Party *HH + BW*
Width *8.90* Area *2.30* Vel. *1.13* G.H. *6.10* Disch. *2.59*
Method No. secs. *21* G.H. change. *-* in *-* hrs. Susp.
Method coef. *0.6* Hor. angle coef. *1.0* Susp. coef. Meter No.
Type of meter *pygmy* Date rated Tag checked
Meter ft. above bottom of wt. Spin before meas. after
Meas. plots. % diff. from. rating. Levels obtained.

GAGE READINGS

TAPE

WATER QUALITY MEASUREMENTS

| Time | Inside | ADR | Graphic | Tape | | | | |
|-------------|-------------|-----|---------|-------------|----|--------------------|-----|-------|
| | | | | Down | Up | No | Yes | Time |
| <i>1323</i> | <i>6.11</i> | | | <i>3.90</i> | | Samples Collected | | |
| <i>1339</i> | <i>6.09</i> | | | <i>3.88</i> | | No | Yes | Time |
| | | | | | | Method Used | | |
| | | | | | | EDI | EWI | Other |
| | | | | | | SEDIMENT SAMPLES | | |
| | | | | | | 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 *Unsteady, turbulent*
Cross section *sand + gravel uneven*
Control *Natural Control*
Gage operating *yes* Weather
Intake/Orifice cleaned Air °C@ Water °C@
Record removed Extreme Indicator: Max. Min.
Manometer N₂ Pressure Tank Feed Bbl rate per min.
CSG checked Stick reading
Observer
HWM outside, in well
Remarks

G.H. of zero flow *0.55* ft. depth Sheet No. of sheets

| 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 | | | |
| LOW 132b | 2.4 | | 0 | | 0 | 0 | | | | | |
| | 2.9 | | 0.25 | | 44 | 20.4 | | | | | .85 |
| | 3.3 | | 0.2 | | 23 | 20.9 | | | | | |
| | 3.7 | | 0.2 | | 16 | 22.1 | | | | | |
| | 4.1 | | 0.2 | | 16 | 22.1 | | | | | .90 |
| | 4.5 | | 0.2 | | 18 | 21.4 | | | | | .92 |
| | 4.9 | | 0.2 | | 22 | 21.7 | | | | | .94 |
| | 5.3 | | 0.35 | | 40 | 21.2 | | | | | .96 |
| | 5.7 | | 0.4 | | 35 | 20.8 | | | | | .97 |
| | 6.1 | | 0.25 | | 24 | 20.7 | | | | | .98 |
| | 6.7 | | 0.25 | | 22 | 21.6 | | | | | .99 |
| | 7.1 | | 0.25 | | 24 | 24.3 | | | | | 1.00 |
| | 7.6 | | 0.35 | | 24 | 20.9 | | | | | |
| | 8.0 | | 0.45 | | 15 | 20.3 | | | | | |
| o | 8.4 | | 0.55 | | 30 | 20.6 | | | | | |
| | 8.9 | | 0.4 | | 21 | 22.3 | | | | | |
| | 9.4 | | 0.25 | | 15 | 20.6 | | | | | |
| | 9.9 | | 0.15 | | 19 | 20.3 | | | | | .99 |
| | 10.5 | | 0.1 | | 5 | 40 | | | | | .98 |
| | 11.0 | | 0.15 | | 12 | 22.3 | | | | | .97 |
| REV 132b | 11.3 | | 0.1 | | 0 | 40 | | | | | .96 |
| | | | | | | | | | | | .94 |
| | | | | | | | | | | | .92 |
| | | | | | | | | | | | .90 |
| | | | | | | | | | | | .85 |
| | | | | | | | | | | | .80 |