

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

83
Meas. No.
Comp. by.

WATER RESOURCES DIVISION

Sta. No. DISCHARGE MEASUREMENT NOTES Checked by

..... HZ - HOUSE
Date JAN 16, 19 2010 Party MSB EJB GAN ^{on back?}
Width Area Vel. G. H. Disch. 0.525
Method No. secs. G. H. change. in hrs. Susp.
Method coef. Hor. angle coef. Susp. coef. Meter No.
Type of meter Date rated Tag checked
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 | Graphic | Outside | No | Yes | Time |
| 16:35 | 1.464 | | | 0.27 | No | Yes ✓ | @ 16:40 |
| 17:15 | 1.446 | | | 0.22 | No ✓ | Yes | Time pH = |
| | | | | | Samples Collected SC = 19.4 μS @ 0.4 °C | | |
| | | | | | Method Used | | |
| | | | | | EDI EWI Other. | | |
| | | | | | SEDIMENT SAMPLES | | |
| | | | | | No ✓ Yes Time | | |
| | | | | | Method Used | | |
| | | | | | EDI EWI Other. | | |
| | | | | | BIOLOGICAL SAMPLES | | |
| Weighted M.G.H. | | | | | Yes Time | | |
| G. H. correction | | | | | No ✓ Type | | |
| Correct M.G.H. | | | | | | | |

Check bar. chain found changed to at
Wading, cable, ice, boat, upstr., downstr., side bridge. feet, mile, above, below gage.
Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%); based on the following cond:
Flow
Cross section
Control
Gage operating YES Weather PARTLY CLOUDY, LIGHT WIND
Intake/Orifice cleaned No Air 2.0 °C @ 16:35 Water 0.4 °C @ 16:35
Record removed No Extreme Indicator: Max. Min.
Manometer N₂ Pressure Tank 1500 Feed 12 Bbl rate 66 per min.
CSG checked Stick reading
Observer
HWM outside, in well
Remarks T6 @ 16:35 STAGE = 1.4647 SC = 47.59
AT = 6.7183 BV = 13.9
WT = 0.5194
*S: TIME + DATE = OK
G.H. of zero flow ft. Sheet No. 1 of 1 sheets
PH = 7.402

| 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 | | | |
| | 0.8 | 0.25 | RE of WATER @ 17:00 | | | | | | | | 0 |
| .98 | 1.3 | 0.40 | .10 | | 25 | 45 | .565 | | .5537 | 0.104 | 0.022 |
| .97 | 1.6 | 0.30 | .14 | | 25 | 46 | .553 | | .5364 | 0.042 | 0.023 |
| .97 | 1.9 | 0.30 | .15 | | 60 | 43 | 1.37 | | 1.33 | 0.045 | 0.06 |
| .98 | 2.2 | 0.30 | .13 | | 50 | 41 | 1.2 | | 1.176 | 0.039 | 0.046 |
| .99 | 2.5 | 0.30 | .14 | | 20 | 42 | .489 | | 0.484 | 0.042 | 0.020 |
| .99 | 2.8 | 0.30 | .15 | | 3 | 70 | 0.072 | | 0.071 | 0.045 | 0.003 |
| .99 | 3.1 | 0.30 | .21 | | 25 | 43 | .590 | | 0.584 | 0.063 | 0.037 |
| .99 | 3.4 | 0.30 | .20 | | 40 | 46 | .866 | | .857 | 0.06 | 0.051 |
| 1 | 3.7 | 0.30 | .20 | | 7 | 41 | .195 | | | 0.06 | 0.012 |
| 1 | 4.0 | 0.30 | .18 | | 40 | 49 | .815 | | | 0.054 | 0.044 |
| 1 | 4.3 | 0.30 | .19 | | 80 | 44 | 1.78 | | | 0.057 | 0.101 |
| 1 | 4.7 | 0.30 | .17 | | 60 | 47 | 1.26 | | | 0.051 | 0.064 |
| 1 | 5.0 | 0.30 | .15 | | 40 | 44 | .904 | | | 0.045 | 0.041 |
| 1 | 5.3 | 0.30 | .03 | | 3 | 70 | 0.072 | | | 0.009 | 0.001 |
| | 5.6 | LE of WATER @ 17:15 | | | | | | | | | |

GAGE READINGS