

WATER RESOURCES DIVISION

Sta. No. **DISCHARGE MEASUREMENT NOTES** Checked by

Priscilla @ BI

Date 12/9, 19 77 Party MG, EC

Width 3.8 Area 0.591 Vel. 1.45 G.H. Disch. 0.854 cfs

Method No. secs. 13 G.H. change in hrs. Susp.

Method coef. Hor. angle coef. Susp. coef. Meter No.

Type of meter prism Date rated Tag checked

Meter ft. above bottom of wt. Spin before meas. after

Meas. Plots % diff. from rating. Levels obtained

| GAGE READINGS | | | | | | WATER QUALITY MEASUREMENTS | | |
|-----------------------|-------------|------------|------------|-------------|-------------|--|---|--------------------------|
| Time | Inside | AT | WT | \bar{d} | Outside | No | Yes <input checked="" type="checkbox"/> | Time <u>1256</u> |
| <u>1328</u> | | | | | <u>0.56</u> | | <input checked="" type="checkbox"/> | <u>Samples Collected</u> |
| | | | | | | No | Yes <input checked="" type="checkbox"/> | Time <u>1256</u> |
| <u>1345</u> | <u>1.67</u> | <u>5.4</u> | <u>2.6</u> | <u>14.4</u> | <u>0.60</u> | | <input checked="" type="checkbox"/> | <u>Method Used</u> |
| | | | | | | EDI..... | EWI..... | Other..... |
| | | | | | | SEDIMENT SAMPLES | | |
| | | | | | | No <input checked="" type="checkbox"/> | Yes | Time |
| | | | | | | | <input checked="" type="checkbox"/> | <u>Method Used</u> |
| | | | | | | EDI..... | EWI..... | Other..... |
| | | | | | | BIOLOGICAL SAMPLES | | |
| Weighted M.G.H. | | | | | | Yes | | Time |
| G.H. correction | | | | | | No <input checked="" type="checkbox"/> | | Type |
| Correct M.G.H. | | | | | | | | |

Check bar. chain found changed to at

Wading, cable, ice, boat, upstr., downstr., side bridge 100 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 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

| 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 | | | |
| | 6.0 | 0.15 | 0 | | LEW@ | | 1330 | | | 0 | 0 |
| | 5.7 | 0.30 | 0.14 | 0.6 | 40 | 43 | | 0.925 | | 0.042 | 0.039 |
| | 5.4 | 0.30 | 0.14 | 1 | 35 | 42 | | 0.832 | | 0.042 | 0.035 |
| | 5.1 | 0.30 | 0.20 | | 50 | 41 | | 1.20 | | 0.06 | 0.072 |
| | 4.8 | 0.30 | 0.20 | | 90 | 42 | | 2.09 | | 0.06 | 0.125 |
| | 4.5 | 0.30 | 0.20 | | 90 | 44 | | 2.00 | | 0.06 | 0.120 |
| | 4.2 | 0.30 | 0.21 | | 60 | 41 | | 1.44 | | 0.061 | 0.088 |
| | 3.9 | 0.30 | 0.23 | | 100 | 43 | | 2.26 | | 0.060 | 0.149 |
| | 3.6 | 0.30 | 0.30 | | 60 | 44 | | 1.34 | | 0.090 | 0.121 |
| | 3.3 | 0.30 | 0.20 | | 50 | 42 | | 1.17 | | 0.060 | 0.070 |
| | 3.0 | 0.30 | 0.10 | | 50 | 43 | | 1.15 | | 0.030 | 0.035 |
| | 2.7 | 0.40 | 0.05 | | 0 | 40 | | 0 | | 0.020 | 0 |
| | 2.2 | 0.25 | 0 | | REW@ | | 1345 | | | 0 | 0 |
| | 3.8 | 3.8 | ✓ | | | | | | | ΣQ = | 6.854 cfs |
| 0 | | | | | | | | | | ΣA = | 0.591 |