

DISCHARGE MEASUREMENT AND  
GAGE INSPECTION NOTES

Sta. No. H2- House

Sta. Name \_\_\_\_\_

Date Dec 30, 2005 Party JCK, SLIT

Width 3.3ft Area 0.381 Vel. 1.29 G.H. \_\_\_\_\_ Disch. 0.494

Method \_\_\_\_\_ 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          | GT     | TIT | TZ   | SC          | Inside | Outside |
| 1435          | 1.27   | 4.3 | 1.27 | 46.6        | ✓      |         |
|               | 0.22   |     | 1.0  | 33.7        |        | ✓       |
|               | Start  |     | WT   | Conductance |        |         |
| 1501          | 1.35   |     |      |             | ✓      |         |
|               | .31    |     |      |             |        | ✓       |
|               |        |     |      |             |        |         |
|               |        |     |      |             |        |         |
|               | Finish |     |      |             |        |         |
|               |        |     |      |             |        |         |
| Weighted MGH  |        |     |      |             |        |         |
| GH correction |        |     |      |             |        |         |
| Correct MGH   |        |     |      |             |        |         |

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

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

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

Weather: sunny, clear

Air Temp. \_\_\_\_\_ °C at \_\_\_\_\_

Water Temp. \_\_\_\_\_ °C at \_\_\_\_\_

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: \_\_\_\_\_  
Cross section: narrow, shallow

Gage operating: \_\_\_\_\_ Record Removed \_\_\_\_\_  
Battery voltage: \_\_\_\_\_ Intake/Orifice cleaned/purged: \_\_\_\_\_  
Bubble-gage pressure, psi: Tank 1650, Line 10; Bubble-rate \_\_\_\_\_ /min.  
Extreme-GH indicators: max \_\_\_\_\_, min \_\_\_\_\_  
CSG checked: \_\_\_\_\_ HWM height on stick \_\_\_\_\_ Ref. elev. \_\_\_\_\_ HWM elev. \_\_\_\_\_  
HWM inside/outside: \_\_\_\_\_  
Control: \_\_\_\_\_  
Remarks: pte = 4.49

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



| ANGLE COEF.<br>FICIENT | DIST. FROM<br>INITIAL POINT | WIDTH        | DEPTH | OBSERVA-<br>TION DEPTH | REVO-<br>LUTIONS | TIME<br>IN<br>SEC-<br>ONDS | VELOCITY    |                          | ADJUST-<br>ED FOR<br>HOR.<br>ANGLE OR | AREA         | DISCHARGE    | .80  |
|------------------------|-----------------------------|--------------|-------|------------------------|------------------|----------------------------|-------------|--------------------------|---------------------------------------|--------------|--------------|------|
|                        |                             |              |       |                        |                  |                            | AT<br>POINT | MEAN<br>IN VER-<br>TICAL |                                       |              |              |      |
|                        | 8.1                         | 0.25         | LEN   |                        |                  |                            |             |                          |                                       |              |              |      |
|                        | 7.4                         | 0.4          | .10   | S                      | 61               | 40                         |             | 1.50                     |                                       | .046         | 0.060        | .85  |
|                        | 7.3                         | .3           | .12   | S                      | 44               | 40                         |             | 1.09                     |                                       | 0.036        | 0.039        |      |
|                        | 7.0                         | .3           | .17   | S                      | 44               | 40                         |             | 1.09                     |                                       | 0.051        | 0.056        |      |
|                        | 6.7                         | .3           | .16   | S                      | 46               | 40                         |             | 1.14                     |                                       | 0.048        | 0.055        | .90  |
|                        | 6.4                         | .3           | .20   | S                      | 60               | 40                         |             | 1.62                     |                                       | 0.060        | 0.097        | .92  |
|                        | 6.1                         | .3           | .12   | S                      | 54               | 40                         |             | 1.33                     |                                       | 0.036        | 0.048        |      |
|                        | 5.8                         | 0.65         | .17   | S                      | 51               | 40                         |             | 1.26                     |                                       | 0.110        | 0.139        | .94  |
|                        | 4.8                         | 0.5          | RDN   |                        |                  |                            |             |                          |                                       |              |              | .96  |
|                        | <del>W</del>                | <del>W</del> |       |                        |                  |                            |             | <del>V</del>             |                                       | <del>A</del> | <del>Q</del> | .97  |
|                        | 3.3                         | 3.3          |       |                        |                  |                            |             | 1.29                     |                                       | 0.381        | 0.494        | .98  |
|                        |                             |              |       |                        |                  |                            |             |                          |                                       |              |              | .99  |
|                        |                             |              |       |                        |                  |                            |             |                          |                                       |              |              | .99  |
| 0                      |                             |              |       |                        |                  |                            |             |                          |                                       |              |              | 1.00 |
|                        |                             |              |       |                        |                  |                            |             |                          |                                       |              |              | .99  |
|                        |                             |              |       |                        |                  |                            |             |                          |                                       |              |              | .98  |
|                        |                             |              |       |                        |                  |                            |             |                          |                                       |              |              | .97  |
|                        |                             |              |       |                        |                  |                            |             |                          |                                       |              |              | .96  |
|                        |                             |              |       |                        |                  |                            |             |                          |                                       |              |              | .94  |
|                        |                             |              |       |                        |                  |                            |             |                          |                                       |              |              | .92  |
|                        |                             |              |       |                        |                  |                            |             |                          |                                       |              |              | .90  |
|                        |                             |              |       |                        |                  |                            |             |                          |                                       |              |              | .85  |
|                        |                             |              |       |                        |                  |                            |             |                          |                                       |              |              | .80  |