



STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES

Water District

DISCHARGE MEASUREMENT NOTES

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

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

Station No. \_\_\_\_\_

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

Date 9/22, 2004 Party HOLLIDAY/MIKESELL

Width 8.7 Area 32.27 Vel. 1.84 G.H. \_\_\_\_\_ Discharge 59.36

Method \_\_\_\_\_ No. Secs. \_\_\_\_\_ G.H. chng \_\_\_\_\_ in \_\_\_\_\_ hrs. Susp. \_\_\_\_\_

Method coef. \_\_\_\_\_ Hor. Angle coef. \_\_\_\_\_ Susp. Coef. \_\_\_\_\_ Meter No. \_\_\_\_\_

| GAGE READINGS   |          |        |         |                                                  |
|-----------------|----------|--------|---------|--------------------------------------------------|
| Time            | Recorder | Inside | Outside |                                                  |
|                 |          |        |         | Type of meter <u>AA</u>                          |
|                 |          |        |         | Date Rated _____ for rod, other                  |
|                 |          |        |         | Meter _____ ft above bottom of weight            |
|                 |          |        |         | Spin before Meas. _____ after _____              |
|                 |          |        |         | Meas. plots _____ % diff. from rating _____      |
|                 |          |        |         | Wading, cable, ice, boat, upstr., downstr., side |
|                 |          |        |         | bridge _____ feet, mile, above, below            |
|                 |          |        |         | gage, and _____                                  |
|                 |          |        |         | Check-bar, found _____                           |
|                 |          |        |         | changed to _____ at _____                        |
|                 |          |        |         | Correct _____                                    |
|                 |          |        |         | Levels obtained _____                            |
| Weighted M.G.H. |          |        |         |                                                  |
| G.H. correction |          |        |         |                                                  |
| Correct M.G.H.  |          |        |         |                                                  |

Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%) based on following

conditions: cross section \_\_\_\_\_

Flow \_\_\_\_\_ Weather \_\_\_\_\_

Other \_\_\_\_\_ Air \_\_\_\_\_ °F@ \_\_\_\_\_

Gage \_\_\_\_\_ Water \_\_\_\_\_ °F@ \_\_\_\_\_

Record removed \_\_\_\_\_ Intake flushed- U / L \_\_\_\_\_

Observer \_\_\_\_\_

Control \_\_\_\_\_

Remarks \_\_\_\_\_

G.H. of zero flow \_\_\_\_\_ ft.



STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
Water District

DISCHARGE MEASUREMENT NOTES

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

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

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

Station No. INDEPENDENT CANAL

Date 9/22/2004

Party HOLLIDAY/MIKESELL

Width 8.2 Area 27.3

Vel. 1.42 G.H. \_\_\_\_\_ Discharge 38.59

Method \_\_\_\_\_ No. Secs. \_\_\_\_\_ G.H. chng \_\_\_\_\_ in \_\_\_\_\_ hrs. Susp. \_\_\_\_\_

Method coef. \_\_\_\_\_ Hor. Angle coef. \_\_\_\_\_ Susp. Coef. \_\_\_\_\_ Meter No. \_\_\_\_\_

| GAGE READINGS   |          |        |         |                                                  |
|-----------------|----------|--------|---------|--------------------------------------------------|
| Time            | Recorder | Inside | Outside |                                                  |
|                 |          |        |         | Type of meter <u>AA</u>                          |
|                 |          |        |         | Date Rated _____ for rod, other                  |
|                 |          |        |         | Meter _____ ft above bottom of weight            |
|                 |          |        |         | Spin before Meas. _____ after _____              |
|                 |          |        |         | Meas. plots _____ % diff. from rating _____      |
|                 |          |        |         | Wading, cable, ice, boat, upstr., downstr., side |
|                 |          |        |         | bridge _____ feet, mile, above, below            |
|                 |          |        |         | gage, and _____                                  |
|                 |          |        |         | Check-bar, found _____                           |
|                 |          |        |         | changed to _____ at _____                        |
| Weighted M.G.H. |          |        |         | Correct _____                                    |
| G.H. correction |          |        |         | Levels obtained _____                            |
| Correct M.G.H.  |          |        |         |                                                  |

Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%) based on following

conditions: cross section \_\_\_\_\_

Flow \_\_\_\_\_ Weather \_\_\_\_\_

Other \_\_\_\_\_ Air \_\_\_\_\_ °F@ \_\_\_\_\_

Gage \_\_\_\_\_ Water \_\_\_\_\_ °F@ \_\_\_\_\_

Record removed \_\_\_\_\_ Intake flushed- U / L \_\_\_\_\_

Observer \_\_\_\_\_

Control \_\_\_\_\_

Remarks \_\_\_\_\_

G.H. of zero flow \_\_\_\_\_ ft.

[illegible]

| River at --        |                         |       |       |                   |             |                 |          |                  |                                  |      |           |      |
|--------------------|-------------------------|-------|-------|-------------------|-------------|-----------------|----------|------------------|----------------------------------|------|-----------|------|
| Angle co-efficient | Dist from initial point | Width | Depth | Observation depth | Revolutions | Time in Seconds | VELOCITY |                  | Adjusted for Horizontal Angle or | Area | Discharge |      |
|                    |                         |       |       |                   |             |                 | At point | Mean in vertical |                                  |      |           |      |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .80  |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .85  |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .90  |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .92  |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .94  |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .96  |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .97  |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .98  |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .99  |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | 1.00 |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .99  |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .98  |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .97  |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .96  |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .94  |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .92  |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .90  |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .85  |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .80  |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .75  |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .70  |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .60  |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .50  |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .40  |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .30  |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .20  |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .10  |
|                    |                         |       |       |                   |             |                 |          |                  |                                  |      |           | .0   |

REW 5.0  
 5.5 0.75 3.88 30 44 1.51 2.91 4.39  
 6.0 0.5 3.76 40 52 1.70 1.88 3.20  
 6.5 0.5 3.92 30 41 1.62 1.96 3.18  
 7.0 0.75 3.7 30 41 1.62 2.78 4.50  
 8.0 1.0 3.66 50 42 1.58 3.66 5.78  
 9.0 1.0 3.68 30 40 1.65 3.68 6.07  
 10.0 1.0 3.7 40 48 1.84 3.70 6.81  
 11.0 1.0 3.72 40 43 2.05 3.72 7.63  
 12.0 0.75 3.62 50 47 2.24 2.72 6.09  
 12.5 0.5 3.64 40 40 2.20 1.82 4.00  
 13.0 0.95 3.62 50 49 2.24 3.44 7.71  
 REW 13.7 32.27 59.36  
 8.7

$V_{EL} = 1.84$