9-275-D

**U.S. DEPARTMENT OF THE INTERIOR**
Geological Survey
Water Resources Division

Date JAN 5, 2001

**MISCELLANEOUS FIELD NOTES**

LOST SEAL ~~CREEK~~ SPRING CF3 CJ

- Clear, ~~warm~~, Breezy
- Control has partially washed away, bulk of flow flowing between flume and gauge box, many sandbags lost
- Flume still has flow, and is currently clear of sediment

PG.NO.____ OF ____ SHEETS ____

Form 9-275G
(Sep. 2000)

**U.S. DEPARTMENT OF THE INTERIOR**
**U.S. Geological Survey**
**WATER RESOURCES DIVISION**
**DISCHARGE MEASUREMENT AND GAGE INSPECTION NOTES**

Meas. No. _____
Comp. by _____
Checked by _____

Sta. No. _____
Sta. Name LOST SEAL CREEK CF3
Date JAN 5 , 20 02 Party CJ
Width 32.5 Area 18.84 Vel. 2.77 G.H. ____ Disch. 52.26
Method 0.6 No. secs. 34 G.H. change ____ in ____ hrs.
Method coef. ____ Horiz. angle coef. ____ Susp. ____ Tags checked ____
Meter Type ~~pygmy~~ 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 | | WT | SC | | Inside | Outside |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |
| 1630 | Start | 3.4 | 32.1 | | 2.04 | 1.05 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 1735 | Finish | 3.6 | 32.4 | | 2.14 | 1.10 |
| | | | | | | |
| Weighted MGH | | | | | | |
| GH correction | | | | | | |
| Correct MGH | | | | | | |

Samples collected: water quality, sediment, biological, other 1730
Measurements documented on separate sheets: water quality, aux./base gage, other ____
Rain gage serviced/calibrated ____
Weather: ____
Air Temp. 11.0 °C at 1735
Water Temp. ____ °C at 1735
Check bar/chain found ____
Changed to ____ at ____
Correct ____

Wading, cable, ice, boat, upstr., downstr., side bridge, 700 ft, mi. upstr, downstr. of gage.
Measurement rated excellent (2%), good (5%), fair (8%), poor (> 8%); based on following conditions: Flow: ____
Cross section: ____

Gage operating: ____ Record Removed ____
Battery voltage: 13.3 Intake/Orifice cleaned/purged: ____
Bubble-gage pressure, psi: Tank ____ , Line ____ ; Bubble-rate ____ /min.
Extreme-GH indicators: max ____ , min ____ .
CSG checked: ____ HWM height on stick ____ Ref. elev. ____ HWM elev. ____
HWM inside/outside: ____
Control: ____
Remarks: COND 21.3 (mS) @ 6.6°C

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

Sheet No. 1 of 2 sheets

River at -

| ANGLE COEFFICIENT | DIST. FROM INITIAL POINT | WIDTH | DEPTH | OBSERVATION DEPTH | REVOLUTIONS | TIME IN SECONDS | VELOCITY AT POINT | VELOCITY MEAN IN VERTICAL | ADJUSTED FOR HOR. ANGLE OR ..... | AREA | DISCHARGE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3.0 | .25 | — | REW @ | | 3.0 | | | | | |
| | 3.5 | .50 | .28 | .6 | 82 | 30 | | | | | |
| | 4.0 | .50 | .35 | ↓ | 90 | 40 | | | | | |
| | 4.5 | .50 | .50 | | 73 | 90 | | | | | |
| | 5.0 | .50 | .70 | | 78 | 30 | | | | | |
| | 5.5 | .50 | .90 | | 86 | 30 | | | | | |
| | 6.0 | .50 | 1.00 | | 94 | 30 | | | | | |
| | 6.5 | .50 | 1.05 | | 91 | 30 | | | | | |
| | 7.0 | .50 | 1.15 | | 95 | 30 | | | | | |
| | 7.5 | .50 | 1.05 | | 92 | 30 | | | | | |
| | 8.0 | .50 | 1.05 | | 93 | 30 | | | | | |
| | 8.5 | .50 | 0.95 | | 99 | 30 | | | | | |
| | 9.0 | .50 | 0.85 | | 97 | 30 | | | | | |
| | 9.5 | .50 | 0.85 | | 95 | 30 | | | | | |
| ⊙ | 10.0 | .75 | 0.80 | | 96 | 30 | | | | | |
| | 11.0 | 1.0 | 0.75 | | 95 | 30 | | | | | |
| | 12.0 | 1.0 | 0.70 | | 90 | 30 | | | | | |
| | 13.0 | ↓ | 0.60 | | 89 | 30 | | | | | |
| | 14.0 | | 0.55 | | 95 | 30 | | | | | |
| | 15.0 | | 0.50 | | 99 | 30 | | | | | |
| | 16.0 | | 0.60 | | 98 | 30 | | | | | |
| | 17.0 | | 0.50 | | 99 | 30 | | | | | |
| | 18.0 | | 0.55 | | 100 | 30 | | | | | |
| | 19.0 | | 0.55 | | 110 | 30 | | | | | |
| | 20.0 | 1.0 | .55 | | 105 | 30 | | | | | |
| | 21.0 | 1.25 | .60 | | 72 | 30 | | | | | |
| | 22.5 | 1.50 | .55 | | 56 | 30 | | | | | |
| | 24.0 | 1.50 | .55 | | 78 | 30 | | | | | |
| | 25.5 | 1.50 | .55 | | 91 | 30 | | | | | |
| | 27.0 | 1.50 | .40 | | 91 | 30 | | | | | |
| | 28.5 | 1.50 | .50 | | 82 | 30 | | | | | |
| | 30.0 | 1.50 | .50 | | 72 | 30 | | | | | |

River at -

| ANGLE COEFFICIENT | DIST. FROM INITIAL POINT | WIDTH | DEPTH | OBSERVATION DEPTH | REVOLUTIONS | TIME IN SECONDS | VELOCITY AT POINT | VELOCITY MEAN IN VERTICAL | ADJUSTED FOR HOR. ANGLE OR ..... | AREA | DISCHARGE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31.5 | 1.50 | 0.5 | .6 | 23 | 30 | | | | | |
| | 33 | 1.5 | .40 | ↓ | 56 | 30 | | | | | |
| | 34.5 | 1.25 | .30 | | 46 | 30 | | | | | |
| | 35.5 | .5 | — | | | | LEW @ | | 172 | | |
| | 32.5 | 32.5 | | | | | | | | 18.84 | 5286 |
| ⊙ | | | | | | | | | | | |