Form 9-275-G
(Nov 1993)

**U.S. DEPARTMENT OF THE INTERIOR**
**U.S. Geological Survey**
**WATER RESOURCES DIVISION**

# DISCHARGE MEASUREMENT NOTES

Meas. No. 65

Sta. No. _____ Andersen Creek Comp. by ESG?

Checked by JCK

Date 1/7/07, 19 _____ Party ESG

Width 6 Area 1.38 Vel. 1.80 G. H. ~~2.15~~ Disch 2.49

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

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

Type of meter Pygmy Date rated _____ Tag checked _____

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

Meas. plots _____ % diff. from _____ rating. Levels obtained _____

## GAGE READINGS

| Time | | Inside | | | Outside |
|---|---|---|---|---|---|
| 2150 | | 1.907 | | | .77 |
| 2210 | | 1.943 | | | .77 |
| 2240 | | 1.947 | | | .78 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Weighted M.G.H. | | | | | |
| G.H. correction | | | | | |
| Correct M.G.H. | | | | | |

## WATER QUALITY MEASUREMENTS

No _____ (Yes) _____ Time 2215

C=12.495 WT=.6 Samples Collected PH=7.71

No _____ (Yes) _____ Time 2205

Method Used

EDI _____ EWI _____ Other _____

## SEDIMENT SAMPLES

No _____ Yes _____ Time _____

Method Used

EDI _____ EWI _____ Other _____

## BIOLOGICAL SAMPLES

Yes _____ Time _____

No _____ Type _____

Check bar. chain found _____ changed to _____ at _____

(Wading), cable, ice, boat, upstr., downstr., side bridge 25 (feet), mile, (above), below gage.

Measurement rated excellent (2%), ~~good (5%)~~, fair (8%), poor (over8%); based on the following cond:

Flow uniform

Cross section gravel/cobbles w/ sand

Control clear, water just over overflow weir

Gage operating yes Weather clear, warm

Intake/Orifice cleaned no Air _____ °C@ _____ Water _____ °C@ _____

Record removed no Extreme Indicator: Max. _____ Min. _____

Nitrogen Pressure Tank 1700 Feed 10 Bbl rate _____ per min.

CSG checked _____ Stick reading _____

Observer _____

HWM _____ outside, in well

Remarks #6 @ 2240 1) 1.955 ft. 2) .32 WT 3) 16.75 SC
4) 5.96 AT 5) 12.9 BV

G.H. of zero flow _____ ft. Sheet No. _____ of _____ sheets

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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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3.4 | REW | | @ | 2220 | | | | | | |
| | 3.9 | .5 | .12 | | 15 | 59 | .275 | | | .060 | .017 |
| | 4.4 | .5 | .23 | | 40 | 43 | .925 | | | .115 | .106 |
| | 4.9 | .5 | .27 | | 100 | 40 | 2.43 | | | .135 | .328 |
| | 5.4 | .5 | .26 | | 80 | 47 | 1.67 | | | .130 | .217 |
| | 5.9 | .5 | .24 | | 100 | 42 | 2.32 | | | .140 | .325 |
| | 6.4 | .5 | .34 | | 100 | 42 | 2.32 | | | .170 | .394 |
| | 6.9 | .5 | .38 | | 100 | 40 | 2.43 | | | .190 | .462 |
| | 7.4 | .5 | .29 | | 100 | 46 | 2.12 | | | .145 | .307 |
| | 7.9 | .5 | .25 | | 80 | 44 | 1.78 | | | .125 | .222 |
| | 8.4 | .5 | .20 | | 30 | 40 | .752 | | | .100 | .075 |
| | 8.9 | .5 | .14 | | 20 | 40 | .511 | | | .070 | .036 |
| ⊙ | 9.4 | LEW @ | | | 2235 | | 1.80 | | | 1.38 | 2.49 |
| | 6 | | | | | | | | | | |

purged old orifice line - still frozen. Temp orifice still in place