

U.S. DEPARTMENT OF THE INTERIOR
U.S. Geological Survey
WATER RESOURCES DIVISION
DISCHARGE MEASUREMENT NOTES

Sta. No. Anderson Crk - H

Meas. No. 67

Comp. by JCK

Checked by _____

Date 1/20/07, 19 Party ESG LFS checked by _____

Width	Area	Vel.	G. H.	Disch
				0.766

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

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

Type of meter _____ 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		Outside	No	Yes	Time
1755		1.542	*.425	.40	wt<1.2		1750
			↓	↓	No	Yes	Time
			~ 0.7667	1.40		Method Used	Cond = 35 μ S
					EDI	EWI	SC = error
							pH = 7.91
							Other
					<u>SEDIMENT SAMPLES</u>		
					No	Yes	Time
						Method Used	
					EDI	EWI	Other
					<u>BIOLOGICAL SAMPLES</u>		
Weighted M.G.H.					Yes		Time
G.H. correction					No		Type
Correct M.G.H.							

Check bar. chain found	changed to	at

Wading, cable, ice, boat, upstr., downstr., side bridge 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 ✓ all flow is passing thru flame

Gage operating Weather overcast calm

Intake/Orifice cleaned Air °C@ Water 1.0 °C@

Record removed	Extreme Indicator: Max.	Min.
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Nitrogen Pressure Tank 1700 Feed 10+ Bbl rate 24 per min.

CSG checked	Stick reading

Observer _____

HWM	outside, in wel
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Remarks 46 @ 1900 4) 1.533 sl 2) 0.92 wt 3) 64.65L

4) 2.56 AT 5) 13.0 BV

- switched SM & cutthroat flame measurement →

G.H. of zero flow	ft.	Sheet No.	of	sheets
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.0 .10 .20 .30 .40 .50 .60 .70 .75

River at-

ANGLE COEF- FICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVA- TION DEPTH	REVO- LUTIONS	TIME IN SEC- ONDS	VELOCITY		ADJUST- ED FOR HOR. ANGLE OR -----	AREA	DISCHARGE	.80
							AT POINT	MEAN IN VER- TICAL				
												.85
												.90
												.92
												.94
												.96
												.97
												.98
												.99
⊙												1.00
												.99
												.98
												.97
												.96
												.94
												.92
												.90
												.85
												.80

- permanent orifice will not purge. Left temp.
orifice in place.

.0 .10 .20 .30 .40 .50 .60 .70 .75