

U. S. DEPARTMENT OF THE INTERIOR
Geological Survey

WATER RESOURCES DIVISION

Date January 2, 19 98

MISCELLANEOUS FIELD NOTES

House Creek, H2 1216 CC PC

Condition: Control structure is in bad condition - no water flowing through the flume; it appears that the water is backing in two places;

1) upstream end of diversion - water is flowing around the berm of rocks and tarp;

2) just upstream of control structure where the two tarps overlap (at the seam) water is leaking alot and flowing downstream through the sandbags to the left of the flume.

Probes are clear of sediment but are no longer located in the path of flow, (located in a stagnant pool of water)

	inside	outside
1230	1.02	flume is dry
	0.48	0.10 W.T.
	41.14	41.4 S.C.

Batteries good

Nitrogen 1750 psi feed 10 psi

CR10 time good

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MISCELLANEOUS FIELD NOTES

House Creek, H2 cont... CC PC

Moved both probes (temp, sc) to a new location; in the path of flow

Flume measurement @ 1300 (poor)

downstr 0.24

upstrm 0.45

$Q = 0.300$ cfs

	inside	outside	
1305	1.02	no rdg	
	1.09	0.3	W.T.
	35.84	40.6	S.C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Meas. No. 100

Comp. by. KDL

WATER RESOURCES DIVISION

Sta. No. DISCHARGE MEASUREMENT NOTES Checked by KDL

House Creek, H2
Date Jan 2, 19 98 Party CC
Width 7.2 Area 2.07 Vel. 0.619 G. H. 1.28
Method No. secs. 20 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. after
Meas. plots. % diff. from rating. Levels obtained.

GAGE READINGS						WATER QUALITY MEASUREMENTS		
Time		Inside	ADR	Graphic	Outside	No	Yes	Time
1830		?			1.00	Dry Samples Collected		
1550		?			1.00	No	Yes	Time
						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. 200 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

Gage operating Weather

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

Record removed Extreme Indicator: Max. Min.

Manometer N₂ Pressure Tank Feed Bbl rate per min.

CSG checked Stick reading

Observer

HWM outside, in well

Remarks two side flows that we couldn't capture at this section; very rocky and too shallow.

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

Not
entered

Time - in - out

NO

Angle coef- ficient	Dist. from initial point	Width	Depth	Observa- tion depth	Rev- olu- tions	Time in sec- onds	VELOCITY		Adjusted for hor. angle or -----	Area	Discharge	
							At point	Mean in ver- tical				
	2.0	LEW @ 1530			0	40						.80
	3.5		0.23		20	52						.85
	3.8		0.20		20	64						
	4.1		0.23		20	50						
	4.4		0.27		20	38						.90
	4.7		0.40		40	53						.92
	5.0		0.50		30	49						.94
	5.2		0.53		30	40						.96
	5.4		0.60		50	50						.97
	5.6		0.61		40	41						.98
	5.8		0.58		30	44						.99
	6.0		0.51		32	41						
	6.2		0.50		40	39						
	6.4		0.50		50	45						
o	6.6		0.13		40	42						1.00
	6.8		0.35		30	41						
	7.0		0.30		30	46						
	7.3		0.30		30	54						.99
	7.6		0.34		0	40						.98
	9.2	REW @ 1550			0	40						.97
												.96
												.94
												.92
												.90
												.85

Not
entered

Time - in - out

7% NO

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Form 9-275-D
(Jan. 1988)

WATER RESOURCES DIVISION

Date January 2, 1998

MISCELLANEOUS FIELD NOTES

House Creek, Fg 1945

CC PC

Flume measurement @ 1945 (poor)

upstrm 0.32

$Q = 0.456 \text{ cfs}$

dnstrm 0.15

poor b/c water leaking underneath
the flume; poor material, difficult
to plug leaks (too rocky)

Not

Entered