

Claim No. 75-14194

Where: S = loss in cfs per mile

i = loss rate in feet per day (see Table)

Type of soil	i (ft/day)
medium clay loam	0.5 - 1.5
impervious clay	0.5
medium soils	1.0
somewhat pervious soils	1.5 - 2.0
gravels	2.5 - 5.0

$$w = 2.7 \text{ ft}$$

i = 2

ditch length (mi.) = 0.6 mi

$$S = 0.36$$

Loss = 0.22 cfs/mile

File IRON CREEK 5
 Start Date and Time ----- 2004/06/02 11:39:52
 Sensor Type ----- FlowTracker Handheld ADV
 SerialNumber ----- P170
 Averaging Time ----- 20 sec
 Units system ----- ENGLISH
 Staff height ----- 0.00 ft
 Gauge height ----- 0.00 ft
 Rated discharge ----- 0.000 cfs
 Starting edge of water ---- LEW
 Number of stations ----- 8
 Total width ----- 2.7 ft
 Total area ----- 0.82 ft^2
 Total discharge ----- 1.572 cfs
 Mean velocity ----- 1.858 ft/s
 Mean SNR ----- 31.9 dB
 Mean std. error of vel. --- 0.09 ft/s
 Mean boundary conditions -- 0 (BEST)
 Boundary condition (Bnd) -- 0: BEST
 1: GOOD
 2: FAIR
 3: POOR

Jimmy

ST.	Loc.	Depth	IceD	MDep	Clock	Npts	Spike	Vel	SNR	Angle	Verr	Bnd	Temp	Corr	MeanV	Area	Flow
	(ft)	(ft)	(ft)	(*D)	(ft/s)	(dB)	(deg)	(ft/s)	(degF)	Fact	(ft/s)	(ft^2)	(cfs)				
0	1.0	0.00	0.00	.0	00:00	0	0	0.00	0.0	0	0.0	0	0.00	1.00	0.802	0.00	0.000
1	1.3	0.20	0.00	.6	11:39	20	0	0.802	29.6	1	0.03	0	47.01	1.00	0.802	0.060	0.048
2	1.6	0.20	0.00	.6	11:40	20	0	1.383	31.3	7	0.02	0	46.96	1.00	1.383	0.060	0.083
3	1.9	0.30	0.00	.6	11:41	20	1	2.764	30.5	7	0.07	0	46.87	1.00	2.764	0.090	0.249
4	2.2	0.35	0.00	.6	11:41	20	0	3.227	30.9	5	0.18	0	46.87	1.00	3.227	0.105	0.338
5	2.5	0.40	0.00	.6	11:42	20	0	3.205	31.3	12	0.14	0	46.89	1.00	3.205	0.120	0.384
6	2.8	0.45	0.00	.6	11:43	20	0	2.814	31.3	10	0.09	0	46.89	1.00	2.814	0.135	0.380
7	3.1	0.45	0.00	.6	11:44	20	1	0.665	30.0	-12	0.17	0	46.90	1.00	0.665	0.135	0.090
8	3.4	0.40	0.00	.6	11:45	20	0	0.003	39.9	27	0.00	0	46.94	1.00	0.003	0.120	0.000
9	3.7	0.00	0.00	.0	00:00	0	0	0.00	0.0	0	0.0	0	0.00	1.00	0.003	0.00	0.000