

OSM Data

TABLE 2
WATER QUALITY ALONG LAUREL RUN, AUGUST 31, 1995
(Values in milligrams per liter except where noted; sample locations are shown on Figure 3)

SAMPLE #	2	4	4	estimated 0.25	estimated 0.25	estimated 0.25	estimated 3.0	estimated 5.0	estimated 5.0	estimated 5.0
Flow (gal/min)	0.8	2.2								
Spec. Cond., field (micromhos/cm)	136	911		48			148	1974	622	125
Temperature (C°)	14.8	14.0		18.6			19.5	13.4	19.3	21.7
Eh (millivolts)	326	400		380				410	481	317
pH (lab)	4.87	3.6		4.68			4.41	2.96	3.34	5.80
Spec. Cond., lab (micromhos/cm)	150	1200		61			190	2400	610	180
Total Dis. Solids	50	603					50	1787	332	91
Alkalinity (mg/l CaCO ₃ Eq.)	1.6			<1						4.9
Total Acidity (mg/l CaCO ₃ Eq.)	<10	153		<10			<10	1034	141	<10
Total Iron	0.47	35.31		0.17			0.33	302.76	3.38	1.33
Total Aluminum	1.13	9.27		0.36			0.93	62.48	18.92	1.9
Total Manganese	0.90	15.02		0.46			2.25	4.76	4.68	0.20

SAMPLE #	2	4	4	4	4	4
Dis. Iron	0.06	34.54	0.09	68.93	0.06	306.02 3.33 <.02
Dis. Aluminum	0.90	9.28	0.22	3.60	0.73	64.36 18.37 <0.04
Dis. Manganese	0.96	14.97	0.47	10.23	2.28	4.83 4.65 0.13
Calcium	6.23	41.11	1.45	36.99	7.80	30.27 12.63 10.02
Magnesium	3.46	38.80	1.15	31.74	4.94	27.26 10.30 3.65
Sodium	5.53	7.08	0.94	3.82	2.71	1.77 2.45 8.94
Potassium	1.71	3.10	0.64	2.32	1.35	1.33 1.41 1.83
Sulfate	31.4	403.1	10.3	368.5	44.5	1166.6 211.1 26.4
Bicarbonate	2.0		<1			
Chloride	9.6	14.3	3.7	10	6.3	5.1 4.4 18.6

Sample location descriptions are as follows:

#2 Mine drainage at head of Laurel Run, 50 yards from #1;

#4 Mine drainage on Laurel Run, 100 yards downstream from #2;

#7 Mine drainage 150 yards downstream from Laurel Run mine drainage;