

SAMPLING AND MEASURING RESULTS

Sampling and flow measurement was undertaken at thirty-four (34) stream locations and thirty-five (35) pollution sources. The locations of these sampling points are shown on the enclosed "Mine Development and Pollution Source Map". The sampling results are shown on the Exhibits entitled "Sampling Data".

As these data show, some sampling points did not have samples collected twelve times during the survey year. In some cases sampling points previously established were discontinued as changing physical conditions in the field deemed them unnecessary. For example, sampling station 116 appeared necessary during an early watershed reconnaissance because a significant acid flow was observed passing through an unreclaimed strip mine. A weir was constructed but on subsequent sampling "runs" the flow was too low for meaningful analysis.

In other cases, remote discharges were not discovered during initial reconnaissance. As detailed watershed explorations progressed, these discharges were found and regular sampling initiated. For this reason, some sampling stations will not show analyses for the early stages of the study. Also, some of the stations were inaccessible during periods of inclement weather.

STA. NO. 1

MUDDY RUN

SAMPLING DATA

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
7-30-70	Fair	33.3	3.7	74.	13,294			12.2	2,192.	403.	72,398
8-31-70	Rain	214.	4.3	32.	36,824			1.6	1,841.	144.	165,710
9-30-70	Fair	22.7	3.7	111.	13,581			13.8	1,688.	499.	61,054
10-29-70	Fair	28.5	4.2	58.	8,913			12.8	1,967.	384.	59,009
11-29-70	Fair	58.2	4.0	51.	15,990			9.0	2,822.	336.	105,348
12-28-70	Snow	84.0	4.7	30.	13,586			7.6	3,442.	259.	117,293
1-23-71	Snow	32.5	4.1	106.	18,591			23.0	4,034.	470.	82,434
3-05-71	Snow	154.	5.0	16.	13,298			4.7	3,906.	144.	119,683
4-08-71	Fair	94.2	4.3	38.	19,290			7.1	3,604.	249.	126,704
5-11-71	Rain	68.6	4.5	26.	9,615			5.2	1,923.	173.	63,977
6-22-71	Fair	22.0	3.6	80.	9,491			9.1	1,080.	432.	51,252
AVERAGE		73.8	4.2	57.	15,679			9.6	2,591.	318.	93,169

NOTE: Concentrations shown are in parts per million

STA. NO. 2

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
6-19-70	Fair	160.	3.4	40.	34,582			4.8	4,150.	290.	250,721
7-30-70	Fair	103.	5.8	2.	1,106			0.6	332.	134.	74,082
8-31-70	Rain	1213.	5.4	2.	13,073			1.6	10,458.	86.4	564,750
9-30-70	Fair	73.3	6.2			2.	790	0.8	316.	154.	60,843
10-29-70	Fair	121.	6.4			8.	5,226	0.4	261.	115.	75,126
11-29-70	Fair	436.	5.5	0	0			0.9	2,115.	106.	249,104
12-28-70	Snow	995.	6.4			8.	42,904	1.4	7,508.	67.3	360,397
1-23-71	Snow	300.	6.3			8.	12,936	0.9	1,455.	134.0	216,678
3-05-71	Snow	1510.	5.2			2.	16,278	2.3	18,719.	48.	390,667
4-08-71	Fair	738.	3.9	20.	79,556			3.5	13,922.	81.0	324,590
5-11-71	Rain	913.	4.7	4.	19,684			1.9	9,350.	29.	142,711
6-22-71	Fair	89.0	5.6			2.	959	0.6	288.	154.	73,876
AVERAGE		554.	5.4	6.	12,333	3.	6,591	1.6	5,740.	105.	231,962

STA. NO. 3

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
6-19-70	Fair	186.	4.3	18.	18,087			0.9	904.	250.	251,214
7-30-70	Fair	127.	4.2	20.	13,725			2.4	1,647.	202.	138,623
8-31-70	Rain	1426.	4.8	6.	46,123			1.0	7,687.	115.	884,030
9-30-70	Fair	96.0	4.5	24.	12,419			2.6	1,345.	202.	104,523
10-29-70	Fair	150.	4.8	6.	4,841			1.7	1,372.	163.	131,522
11-29-70	Fair	494.	4.5	12.	31,963			2.6	6,925.	163.	434,163
12-28-70	Snow	1079.	5.6	1.	5,816			3.2	18,611.	106.	616,487
1-23-71	Snow	333.	5.0	24.	43,017			3.5	6,273.	182.	326,215
3-05-71	Snow	1664.	5.2	0	0			2.1	18,837.	76.8	688,899
4-08-71	Fair	832.	4.7	6.	26,913			1.8	8,074.	100.	452,133
5-11-71	Rain	981.	5.2	3.	15,873			1.4	7,407.	58.0	306,871
6-22-71	Fair	111.	4.0	28.	16,754			3.7	2,214.	230.	137,619
AVERAGE		623.	4.7	12.	19,628			2.2	6,775.	154.	372,692

STA. NO. 4

MUDDY RUN

SAMPLING DATA

DATE	WEATHER	FLOW C.F.S.	PH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
6-19-70	Fair	22.0	3.7	80.	9,499			5.3	629.	400.	47,497
7-30-70	Fair	32.3	4.0	72.	12,527			8.2	1,427.	355.	61,766
8-31-70	Rain	207.	4.2	43.	48,030			0.9	1,005.	144.	160,844
9-30-70	Fair	23.6	3.8	94.	11,977			8.2	1,045.	442.	56,319
10-29-70	Fair	33.2	4.7	32.	5,718			8.2	1,465.	346.	61,823
11-29-70	Fair	55.4	4.4	52.	15,525			6.6	1,970.	346.	103,299
12-28-70	Snow	109.	5.0	24.	14,061			7.2	4,218.	230.	134,755
1-23-71	Snow	49.1	4.2	92.	24,348			17.0	4,499.	461.	122,003
3-05-71	Snow	245.	4.8	22.	29,076			5.2	6,872.	86.4	114,189
4-08-71	Fair	74.3	4.6	28.	11,215			3.7	1,482.	241.	96,888
5-11-71	Rain	86.8	4.7	28.	13,104			3.3	1,544.	163.	76,286
6-22-71	Fair	19.3	3.9	76.	7,898			3.2	332.	413.	42,919
AVERAGE		79.8	4.3	54.	16,915			6.4	2,207.	302.	89,852

STA. NO. 5

DATE	WEATHER	FLOW C.F.S.	PH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
6-19-70	Fair	0.57	6.5			28.	86	0.1	0.3	124.	381
7-30-70	Fair	0.47	7.0			34.	86	0.0	0.0	182.	461
8-31-70	Rain	4.19	6.9			24.	542	0.8	18.1	67.2	1,518
9-30-70	Fair	0.29	7.6			50.	78	0.0	0.0	288.	450
10-29-70	Fair	0.58	7.2			38.	119	0.4	1.3	173.	541
11-29-70	Fair	1.12	6.7			28.	169	0.1	0.6	192.	1,159
12-28-70	Snow	2.52	6.9			16.	217	0.0	0.0	163.	2,214
None	Snow										
3-05-71	Snow	4.82	6.5			10.	260	0.7	18.2	124.8	3,242
4-08-71	Fair	1.69	6.9			18.	164	1.0	9.1	163.2	1,487
5-11-71	Rain	3.36	7.1			19.	344	0.0	0.0	77.	1,395
6-22-71	Fair	0.30	7.4			44.	71	0.6	1.0	230.	372
AVERAGE		1.81	7.0			28.	194	0.3	4.4	162.	1,202

STA. NO. 6

DATE	WEATHER	FLOW C.F.S.	PH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
6-19-70	Fair	19.98	3.7	92.	9,908			6.0	646.	240.	25,846
7-30-70	Fair	29.3	5.6	66.	10,413			6.8	1,073.	365.	57,584
8-31-70	Rain	202.	4.2	38.	41,312			0.6	652.	163.	177,208
9-30-70	Fair	26.8	3.7	112.	16,185			10.1	1,460.	499.	72,108
10-29-70	Fair	37.8	4.7	34.	6,920			8.0	1,628.	355.	72,252
11-29-70	Fair	49.3	4.3	50.	13,276			8.2	2,177.	317.	84,167
12-28-70	Snow	118.	4.9	30.	19,026			7.0	4,439.	250.	158,546
1-23-71	Snow	52.8	4.3	90.	25,632			11.0	3,133.	422.	120,189
3-05-71	Snow	193.	4.9	22.	22,933			5.2	5,421.	192.0	200,146
4-08-71	Fair	70.5	4.5	28.	10,646			3.9	1,483.	240.0	91,251
5-11-71	Rain	107.	4.7	28.	16,179			3.1	1,791.	134.	77,426
6-22-71	Fair	18.40	4.5	42.	4,165			4.7	466.	413.	40,960
AVERAGE		77.1	4.5	53.	16,383			6.2	2,031.	299.	97,307

STA. NO. 7

MUDDY RUN

SAMPLING DATA

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
6-19-70	Fair	0.16	5.3	2.	2			0.1	0.1	34.	29
7-30-70	Fair	0.49	5.6	0	0			0.1	0.3	67.2	177
8-31-70	Rain	3.82	6.3			5.	103	1.2	24.7	19.2	395
9-30-70	Fair	0.06	5.9	1.	1			0.3	0.1	76.8	25
10-29-70	Fair	0.46	5.7			2.	5	0.2	0.5	57.6	143
11-29-70	Fair	0.30	5.2	2.	3			2.9	4.7	67.2	109
12-28-70	Snow	0.04	6.1			8.	2	0.7	0.2	19.2	4
1-23-71	Snow	0.03	5.6	1.	0			0.2	0.0	106.0	17
3-05-71	Snow	0.27	6.1	0	0			0.3	0.4	38.4	56
4-08-71	Fair	0.19	5.4			2.	2	0.3	0.3	48.0	49
5-11-71	Rain	0.28	5.8			1.	2	0.06	0.1	29.	44
6-22-71	Fair	0.01	6.4			6.	0	0.4	0	86.	5
AVERAGE		0.51	5.8	1.	1	2.	10	0.6	2.6	54.1	88

STA. NO. 8

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
6-19-70	Fair	21.0	3.7	84.	9,508			4.8	543.	440.	49,804
7-30-70	Fair	34.5	4.1	62.	11,529			7.6	1,413.	346.	64,340
8-31-70	Rain	163.	4.0	20.	17,561			0.8	702.	28.8	25,287
9-30-70	Fair	26.3	3.9	94.	13,299			9.4	1,330.	470.	66,499
10-29-70	Fair	30.0	4.8	32.	5,174			8.8	1,423.	374.	60,476
11-29-70	Fair	66.1	4.4	45.	16,037			6.8	2,423.	298.	106,203
12-28-70	Snow	—	5.2	36.	—			7.5	—	182.	—
1-23-71	Snow	42.2	4.6	79.	17,969			12.	2,729.	403.	91,666
3-05-71	Snow	141.	5.0	26.	19,788			5.0	3,805.	163.2	124,206
4-08-71	Fair	69.8	4.4	38.	14,284			5.9	2,218.	230.4	86,607
5-11-71	Rain	89.3	4.7	25.	12,037			4.2	2,022.	149.	71,742
6-22-71	Fair	2.34	3.9	82.	1,035			14.6	184.	307.	3,872
AVERAGE		62.3	4.4	52.	12,566			7.3	1,708.	283.	68,246

STA. NO. 9

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
6-22-70	Fair	0.15	6.6			26.	21	.86	0.7	124.	100
7-30-70	Fair	0.22	6.8			26.	31	2.6	3.1	115.	136
8-31-70	Rain	0.93	6.7			22.	110	0.5	2.5	67.2	337
9-30-70	Fair	0.05	7.0			42.	11	1.1	0.3	154.	42
10-29-70	Fair	0.19	7.0			40.	41	2.1	2.2	173.	177
11-29-70	Fair	0.37	6.6			30.	60	0.4	0.8	163.	325
12-28-70	Snow	0.46	7.2			24.	60	0.1	0.2	76.8	190
1-23-71	Snow	0.32	7.2			32.	55	0.9	1.5	163.	281
3-05-71	Snow	0.05	6.8			16.	4	0.3	0.1	96.0	26
4-08-71	Fair	0.37	7.0			20.	40	0.3	0.6	144.0	287
5-11-71	Rain	0.60	7.2			20.	65	0.2	0.6	96.	310
6-22-71	Fair	0.07	6.8			36.	14	3.8	1.4	144.	54
AVERAGE		3.15	6.9			28.	43	1.1	1.1	126.	189

STA. NO. 10

MUDDY RUN

SAMPLING DATA

DATE	WEATHER	FLOW C.F.S.	PH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
6-22-70	Fair	0.75	7.4			94.	380	0.1	0.4	260.	1,051
7-30-70	Fair	0.91	8.0			74.	363	0	0.0	278.	1,364
8-31-70	Rain	1.81	7.4			66.	664	0.1	1.0	154.	1,502
9-30-70	Fair	0.61	8.0			94.	309	0.2	0.7	278.	914
10-29-70	Fair	0.76	7.9			106.	434	0.1	0.4	259.	1,061
11-29-70	Fair	1.24	7.2			104.	695	0.2	1.3	250.	1,671
12-28-70	Snow	2.52	7.7			74.	1,005	0.4	5.4	173.	2,350
1-23-71	Snow	1.04	7.8			94.	527	0.4	2.2	250.	1,401
3-05-71	Snow	5.29	7.4			70.	1,996	0.4	11.4	172.8	4,927
4-08-71	Fair	1.45	7.9			60.	469	0.1	0.8	211.2	1,651
5-11-71	Rain	1.69	7.8			70.	638	0.2	1.8	173.	1,576
6-22-71	Fair	0.26	8.1			80.	112	0.5	0.7	250.	350
AVERAGE		1.53	7.7			82.	633	0.2	2.2	226.	1,652

STA. NO. 11

DATE	WEATHER	FLOW C.F.S.	PH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
6-22-70	Fair	21.0	3.6	88.	9,961			4.75	538.	220.	24,902
7-30-70	Fair	34.3	3.8	68.	12,583			25.6	4,737.	403.	74,571
8-31-70	Rain	100.	4.2	42.	22,638			0.8	431.	163.	87,857
9-30-70	Fair	26.2	4.2	84.	11,862			10.6	1,496.	461.	65,101
10-29-70	Fair	29.8	4.7	39.	6,266			9.8	1,575.	355.	57,040
11-29-70	Fair	47.8	4.3	60.	15,455			8.2	2,112.	288.	74,185
12-28-70	Snow	111.	5.0	38.	22,747			9.0	5,388.	173.	103,560
1-23-71	Snow	56.6	4.7	79.	24,101			11.0	3,356.	394.	120,199
3-05-71	Snow	275.	5.0	24.	35,548			5.4	7,998.	—	—
4-08-71	Fair	90.6	4.2	46.	22,462			7.1	3,461.	259.2	126,562
5-11-71	Rain	103.	4.7	20.	11,082			4.0	2,216.	144.	79,789
6-22-71	Fair	37.6	4.2	58.	11,745			5.6	1,134.	336.	68,041
AVERAGE		77.7	4.4	54.	17,204			8.5	2,870.	291.	80,164

STA. NO. 12

DATE	WEATHER	FLOW C.F.S.	PH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
6-22-70	Fair	7.65	3.4	110.	4,536			13.2	544.	—	—
7-30-70	Fair	20.3	3.6	90.	9,843			15.4	1,684.	365.	39,918
8-31-70	Rain	36.6	4.2	28.	5,527			0.7	138.	134.	26,449
9-30-70	Fair	9.60	3.5	148.	7,658			23.0	1,190.	614.	31,771
10-29-70	Fair	12.22	3.8	84.	5,533			24.6	1,620.	384.	25,292
11-29-70	Fair	22.1	4.3	55.	6,549			11.4	1,357.	250.	29,766
12-28-70	Snow	48.6	4.8	38.	9,950			19.0	4,975.	154.	40,324
1-23-71	Snow	18.66	4.2	92.	9,253			14.0	1,408.	422.	42,444
3-05-71	Snow	55.1	5.2	18.	5,350			7.8	2,318.	172.8	51,357
4-08-71	Fair	30.9	3.9	66.	10,982			11.0	1,830.	278.4	46,323
5-11-71	Rain	36.5	4.4	30.	5,899			5.6	1,101.	144.	28,314
6-22-71	Fair	17.5	3.5	104.	9,860			6.2	588.	403.	38,208
AVERAGE		26.3	4.1	72.	7,578			12.7	1,563.	302.	36,379

STA. NO. 13

MUDDY RUN

SAMPLING DATA

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
6-23-70	Fair	3.84	3.2	220.	4,553			33.	683	2,100.	43,465
7-30-70	Fair	11.35	3.2	244.	14,927			18.5	1,132.	902.	55,181
8-31-70	Rain	15.00	3.6	100.	8,085			1.6	129.	413.	33,391
9-30-70	Fair	4.04	3.2	252.	5,487			4.1	89.0	931.	20,273
10-29-70	Fair	3.86	3.1	232.	4,827			16.6	345.	787.	16,374
11-29-70	Fair	5.40	3.7	144.	4,191			12.7	369.	653.	19,006
None	Snow										
*1-24-71	Snow	11.31	6.7			16.	975	1.1	67.0	86.4	5,267
*3-06-71	Snow	—	6.7			26.	—	3.1	—	278.4	—
None	Fair										
*5-12-71	Rain	—	6.9			68.	—	2.8	—	240.	—
None	Fair										
AVERAGE		7.25	3.3	199.	7,012	—	—	14.4	458.	964.	31,281

*Not included in average - see text

STA. NO. 14

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
6-23-70	Fair	3.75	6.1			6.	121	0.4	8.0	72.	1,455
7-30-70	Fair	17.57	6.5			7.	663	0.5	47.0	48.	4,546
8-31-70	Rain	22.7	6.5			8.	979	0.9	110.	28.8	3,525
9-30-70	Fair	5.32	6.8			18.	516	0.8	23.	76.8	2,202
10-29-70	Fair	1.49	6.4			46.	369	20.6	165.	442.	3,550
*11-29-70	Fair	13.53	3.6	200.	14,585			27.6	2,012.	730.	53,236
None	Snow										
*1-24-71	Snow	2.38	5.3	48.	616			12.0	153.	480.	6,158
3-06-71	Snow	66.9	6.8			10.	3,606	0.2	72.1	19.2	6,923
4-09-71	Fair	25.0	7.0			18.	2,429	0.5	68.0	62.4	8,422
5-12-71	Rain	16.46	6.8			8.	710	0.4	35.5	29.	2,573
6-23-71	Fair	3.57	6.9			10.	192	2.0	38.5	19.	366
AVERAGE		18.09	6.6	—	—	15.	1,065	2.9	63.0	89.	3,729

STA. NO. 15

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
6-18-70	Fair	0.91	6.6			70.	343	1.75	9.0	280.	1,373
7-30-70	Fair	4.02	7.0			38.	823	7.6	165.	96.	2,080
8-31-70	Rain	1.81	6.9			48.	468	1.1	10.7	106.	1,034
9-30-70	Fair	0.93	7.0			70.	351	2.0	10.0	57.6	289
10-29-70	Fair	0.93	7.0			70.	351	1.4	7.0	288.	1,444
11-29-70	Fair	1.45	6.7			72.	563	4.0	31.3	250.	1,954
12-28-70	Snow	1.28	7.2			62.	428	6.0	41.4	115.	793
1-24-71	Snow	1.04	7.1			82.	460	7.7	43.1	259.	1,452
3-06-71	Snow	1.94	7.0			38.	398	1.1	11.5	67.2	703
4-09-71	Fair	11.16	6.5			66.	3,970	16.0	962.	273.6	16,458
5-12-71	Rain	5.28	6.5			60.	1,708	3.1	88.2	250.	7,115
6-23-71	Fair	6.4	6.9			46.	1,587	39.	1,345.	298.	10,279
AVERAGE		3.10	6.9			60.	954	7.6	227.	195.	3,748

STA. NO. 16

MUDDY RUN

SAMPLING DATA

DATE	WEATHER	FLOW C.F.S.	PH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
7-30-70	Fair	1.57	7.3			34.	288	1.9	16.0	38.4	325
8-31-70	Rain	1.24	7.3			36.	241	0.3	2.0	9.6	64
9-30-70	Fair	0.03	7.5			54.	9	0.3	0.0	9.6	2
10-29-70	Fair	0.12	7.3			54.	35	0.7	0.5	19.2	12
11-29-70	Fair	0.19	7.0			54.	55	0.3	0.3	19.2	20
None	Snow										
1-24-71	Snow	0.08	7.4			44.	19	0.0	0.0	48.0	21
3-06-71	Snow	4.76	7.3			24.	616	1.0	25.7	28.8	739
4-09-71	Fair	0.13	7.0			34.	24	0.7	0.5	48.0	34
5-12-71	Rain	0.30	7.5			34.	55	0.3	0.5	10.	16
6-23-71	Fair	0.44	6.9			56.	133	47.0	111.	10.	24
AVERAGE		0.89	7.3			42.	148	5.3	15.7	24.1	126

STA. NO. 17

DATE	WEATHER	FLOW C.F.S.	PH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
6-23-70	Fair	4.80	6.1			12.	310	.4	10.0	120.	3,105
7-30-70	Fair	10.76	7.3			34.	1,972	1.9	110.0	38.4	2,227
8-31-70	Rain	20.0	6.7			12.	1,294	0.7	75.	28.8	3,105
9-30-70	Fair	5.31	7.2			16.	458	0.2	5.7	57.6	1,649
10-29-70	Fair	9.14	7.0			18.	887	0.2	9.9	57.6	2,838
PHASED											
OUT											
AVERAGE		10.00	6.9			18.	984	0.7	42.1	60.5	2,585

STA. NO. 18

DATE	WEATHER	FLOW C.F.S.	PH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
6-23-70	Fair	0.96	6.7			60.	310	0.1	0.5	280.	1,449
7-30-70	Fair	3.34	6.9			6.	108	2.8	50.4	48.	812
8-31-70	Rain	1.91	6.6			10.	103	1.6	16.5	38.4	395
9-30-70	Fair	0.19	7.5			78.	80	0.3	0.3	230.	236
PHASED											
OUT											
AVERAGE		1.60	6.9			39.	150	1.2	16.9	149.	723

STA. NO. 19

MUDDY RUN

SAMPLING DATA

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
6-18-70	Fair	0.04	5.6	0	0			2.75	0.6	110.	24
7-30-70	Fair	2.50	5.8	0	0			5.9	79.5	48.1	647
8-31-70	Rain	1.07	5.6	2.	12			1.1	6.3	19.2	111
9-30-70	Fair	0.01	5.7	1.	0			0.8	0.0	9.6	1
10-29-70	Fair	0.05	6.6			10.	3	0.6	0.2	19.2	5
11-19-70	Fair	0.26	6.2			6.	8	0.6	0.8	19.2	27
12-28-70	Snow	0.87	6.8			8.	38	0.3	1.4	9.6	45
1-23-71	Snow	—	6.7			12.	—	1.1	—	28.8	—
3-05-71	Snow	2.52	6.2			4.	54	0.8	10.9	28.8	391
4-08-71	Fair	0.16	6.5			6.	5	0.4	0.3	24.0	21
5-11-71	Rain	0.31	7.8			10.	17	0.6	1.0	67.1	112
None	Fair										
AVERAGE		0.80	6.3	1.	1	5.	11	1.4	10.1	34.9	138

STA. NO. 20

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
6-18-70	Fair	0.33	6.3			12.	21	0.5	0.9	112.	199
7-30-70	Fair	1.39	5.2	8.	60			0.8	6.0	106.	794
8-31-70	Rain	1.92	4.9	9.	93			0.3	3.1	38.4	397
9-30-70	Fair	0.17	7.1			26.	24	0.1	0.1	144.	132
10-29-70	Fair	0.41	6.2			8.	18	0.1	0.2	115.	254
11-29-70	Fair	0.90	5.8			4.	19	0.3	1.5	115.	558
12-28-70	Snow	1.94	6.1	0	0			0.3	3.1	38.4	402
1-23-71	Snow	0.46	6.8			22.	55	0.3	0.7	125.	310
3-05-71	Snow	5.48	6.0			4.	118	0.3	8.9	57.6	1,701
4-08-71	Fair	0.71	6.8			12.	46	0.1	0.4	76.8	294
5-11-71	Rain	1.34	6.4			8.	58	0.08	0.6	58.2	419
6-22-71	Fair	0.05	7.1			32.	9	0.2	0.1	125.	34
AVERAGE		1.30	6.2	1.	13	11.	31	0.3	2.1	92.6	458

STA. NO. 21

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
6-18-70	Fair	4.00	6.0			2.	43	.5	11.0	42.	906
7-30-70	Fair	7.10	6.7			4.	153	.7	26.8	19.2	735
8-31-70	Rain	13.90	6.4			7.	524	0.8	59.9	9.6	719
9-30-70	Fair	4.09	6.7			12.	265	1.4	30.9	19.2	423
10-29-70	Fair	8.19	6.6			13.	574	0.8	35.3	48.0	2,119
11-29-70	Fair	10.42	6.4			10.	562	0.2	11.2	28.8	1,618
12-28-70	Snow	26.0	7.0			10.	1,400	0.0	0.0	4.8	672
1-23-71	Snow	6.10	6.9			14.	460	0.2	6.6	38.4	1,264
3-05-71	Snow	34.0	6.6			2.	367	0.3	55.0	19.2	3,522
4-08-71	Fair	22.7	6.5			8.	977	0.5	61.1	4.8	586
5-11-71	Rain	26.6	6.7			8.	1,148	0.3	43.1	5.	718
6-22-71	Fair	0.89	6.7			10.	47	0.9	4.3	10.	48
AVERAGE		13.67	6.6			8.	543	0.6	28.8	20.8	1,111

STA. NO. 22

MUDDY RUN

SAMPLING DATA

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
7-02-70	Fair	2.31	5.9			10.	125	.1	1.3	36.	448
7-30-70	Fair	8.46	6.9			6.	274	3.	137.	0	0
8-31-70	Rain	6.68	6.2			5.	180	0.5	18.0	9.6	346
9-30-70	Fair	2.17	6.9			8.	94	0.1	1.2	19.2	225
10-29-70	Fair	5.39	6.8			10.	291	0.4	11.6	9.6	279
11-29-70	Fair	11.71	6.5			10.	631	0.2	12.6	19.2	1,211
12-28-70	Snow	17.93	7.0			10.	965	0.0	0.0	4.8	463
1-23-71	Snow	—	6.9			8.	—	0.4	—	38.4	—
3-05-71	Snow	45.0	6.6			4.	971	0.2	48.5	19.2	4,659
4-08-71	Fair	12.52	6.6			8.	540	0.1	6.7	9.6	648
5-11-71	Rain	11.04	6.7			6.	357	0.4	23.8	5.	298
6-22-71	Fair	3.33	7.0			8.	143	0.2	3.6	5.	90
AVERAGE		11.51	6.7			8.	416	0.5	24.0	14.6	788

STA. NO. 23

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
6-22-70	Fair	6.80	4.0	76.	2,786			4.	147.	210.	7,697
7-30-70	Fair	13.13	5.0	42.	2,972			4.6	326.	365.	25,831
8-31-70	Rain	61.2	4.0	46.	15,174			0.8	263.	163.	53,768
9-30-70	Fair	15.99	4.5	60.	5,171			5.9	508.	394.	33,957
10-29-70	Fair	18.69	5.0	22.	2,216			8.0	805.	317.	31,934
11-29-70	Fair	35.2	4.5	55.	10,441			6.2	1,177.	317.	60,178
12-28-70	Snow	82.9	5.0	34.	15,189			5.2	2,323.	202.	90,238
1-23-71	Snow	32.8	5.4	58.	10,254			8.5	1,503.	336.	59,402
3-05-71	Snow	114.	4.8	34.	20,818			3.8	2,327.	182.4	111,684
4-08-71	Fair	49.6	4.2	50.	13,373			3.2	856.	172.8	46,216
5-11-71	Rain	54.2	4.7	28.	8,180			2.8	818.	154.	44,989
6-22-71	Fair	13.58	4.7	32.	2,342			3.3	242.	269.	19,690
AVERAGE		41.5	4.7	45.	9,076			4.7	941.	257.	48,799

STA. NO. 24

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
6-18-70	Fair	12.00	3.5	110.	7,115			4.15	268.	600.	38,808
7-30-70	Fair	14.04	3.9	74.	5,600			6.2	469.	365.	27,626
8-31-70	Rain	59.8	4.0	46.	14,829			1.1	355.	154.	49,646
9-30-70	Fair	13.61	3.9	84.	6,162			7.8	572.	394.	28,903
10-29-70	Fair	19.36	4.5	50.	5,218			13.7	1,430.	355.	37,044
11-29-70	Fair	27.8	4.1	74.	11,068			7.8	1,167.	336.	50,256
12-28-70	Snow	44.9	4.2	60.	14,514			6.2	1,500.	702.	48,864
1-23-71	Snow	22.8	4.5	86.	10,569			8.5	1,045.	384.	47,190
3-05-71	Snow	174.	3.9	68.	63,774			4.8	4,502.	249.6	234,090
4-08-71	Fair	50.7	3.7	58.	15,844			10.3	2,814.	211.2	57,692
5-11-71	Rain	52.6	4.6	35.	9,922			3.6	1,021.	154.	43,661
6-22-71	Fair	13.86	4.0	36.	2,690			2.7	201.	307.	22,935
AVERAGE		42.1	4.1	65.	13,942			6.4	1,279.	309.	57,226

STA. NO. 25

MUDDY RUN

SAMPLING DATA

DATE	WEATHER	FLOW C.F.S.	PH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
6-18-70	Fair	7.49	3.3	200.	8,074			1.6	64.6	525.	21,195
7-30-70	Fair	10.70	3.5	98.	5,652			2.7	156.	374.	21,570
8-31-70	Rain	54.7	3.8	60.	17,696			1.4	413.	154.	45,421
9-30-70	Fair	10.02	3.4	138.	7,453			5.5	297.	422.	22,791
10-29-70	Fair	9.90	3.5	126.	6,723			1.3	69.4	317.	16,915
11-29-70	Fair	19.24	3.9	128.	13,274			2.5	259.	288.	29,867
12-28-70	Snow	30.9	4.0	84.	14,008			7.8	1,301.	173.	28,851
1-23-71	Snow	—	4.1	130.	—			6.5	—	394.	—
3-05-71	Snow	39.7	3.8	72.	15,395			2.7	577.	192.0	41,054
4-08-71	Fair	16.9	3.4	64.	5,813			1.9	173.	182.4	16,566
5-11-71	Rain	43.6	3.7	54.	12,696			1.7	400.	125.	29,389
6-22-71	Fair	1.15	3.3	118.	731			2.8	17.4	317.	1,964
AVERAGE		22.2	3.6	106.	9,774			3.2	33.9	289.	25,053

STA. NO. 26

DATE	WEATHER	FLOW C.F.S.	PH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
7-02-70	Fair	0.20	6.0	0	0			10.8	11.6	290.	313
7-30-70	Fair	0.16	6.5			8.	7	.9	0.8	125.	108
8-31-70	Rain	0.93	6.3			6.	30	0.7	3.5	19.2	96
9-30-70	Fair	0.07	6.7			14.	5	1.3	0.5	115.	43
10-29-70	Fair	0.13	6.5			12.	8	0.3	0.2	106.	74
11-29-70	Fair	0.35	6.5			10.	19	0.2	0.4	67.2	127
12-28-70	Snow	0.87	6.5			8.	38	0.0	0.0	38.4	180
1-23-71	Snow	0.26	6.5			8.	11	0.4	0.6	115.	161
3-05-71	Snow	6.28	5.2	2.	68			0.4	13.5	76.8	2,600
4-08-71	Fair	1.68	6.1			3.	27	0.1	0.9	57.6	522
5-11-71	Rain	1.88	6.3			6.	61	0.1	1.0	29.	294
6-22-71	Fair	0.02	6.5			8.	1	2.5	0.3	38.	4
AVERAGE		1.07	6.3	1.	6	7.	17	1.5	2.78	90.0	377

STA. NO. 27

DATE	WEATHER	FLOW C.F.S.	PH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
7-02-70	Fair	5.74	3.1	200.	6,188			6.5	201.	850.	26,298
7-30-70	Fair	6.81	3.4	134.	4,919			1.1	40.4	442.	16,224
8-31-70	Rain	41.5	3.6	72.	16,098			2.7	603.	193.	43,150
9-30-70	Fair	7.76	3.3	184.	7,696			14.0	585.	173.	7,236
10-29-70	Fair	9.18	3.3	156.	7,719			5.5	272.	422.	20,881
11-29-70	Fair	17.51	3.7	144.	13,591			4.3	405.	336.	31,711
12-28-70	Snow	30.7	3.9	110.	18,202			2.9	479.	211.	34,915
None	Snow										
3-05-71	Snow	55.0	3.6	70.	20,732			4.0	1,184.	201.6	59,710
4-08-71	Fair	28.2	3.3	76.	11,531			1.6	242.	211.2	32,045
5-11-71	Rain	34.2	3.4	70.	12,892			1.8	331.	154.	28,363
6-22-71	Fair	10.12	3.2	112.	6,109			6.6	360.	307.	16,746
AVERAGE		22.4	3.4	121.	11,425			4.6	427.	318.	28,844

STA. NO. 28

MUDDY RUN

SAMPLING DATA

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
6-19-70	Fair	0.73	6.3			4.	16	.6	2.4	16.	63
7-30-70	Fair	0.46	6.4			8.	20	0	0.0	9.6	24
8-31-70	Rain	1.02	6.4			6.	33	0.1	0.5	4.8	26
9-30-70	Fair	0.33	6.8			10.	18	0.1	0.2	0.0	0
10-29-70	Fair	0.80	6.6			10.	43	0.0	0.0	0.0	0
11-29-70	Fair	1.44	6.5			7.	54	0.1	0.8	0.0	0
12-28-70	Snow	3.66	6.2			3.	54	0.1	1.8	4.8	87
1-23-71	Snow	1.17	6.6			10.	63	0.0	0.0	0.0	0
3-05-71	Snow	3.50	5.4			4.	75	0.2	3.8	9.6	181
4-08-71	Fair	3.36	5.9			2.	36	0.04	0.7	14.4	261
5-11-71	Rain	2.98	5.7			1.	16	0.04	0.6	5.	80
6-22-71	Fair	0.55	6.9			8.	24	0.06	0.2	5.	15
AVERAGE		1.64	6.3			6.	38	0.1	0.9	5.8	61

STA. NO. 29

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
6-19-70	Fair	1.38	6.5			10.	74	.1	0.7	12.	89
7-30-70	Fair	5.00	6.9			10.	270	.1	2.7	0.0	0
8-31-70	Rain	3.54	6.8			12.	229	0.2	3.8	4.8	92
9-30-70	Fair	2.04	7.1			14.	154	0.2	2.2	0.0	0
10-29-70	Fair	3.37	6.9			14.	254	0.2	3.6	0.0	0
11-29-70	Fair	5.64	6.8			14.	426	0.0	0	0.0	0
12-28-70	Snow	11.31	7.1			10.	609	0.0	0	0.0	0
None	Snow										
3-05-71	Snow	36.8	6.5			4.	793	0.06	11.9	9.6	1,904
4-08-71	Fair	20.5	6.9			10.	1,103	0.02	2.2	9.6	1,059
5-11-71	Rain	5.52	6.9			9.	268	0.1	3.0	5.	149
6-22-71	Fair	6.74	7.0			10.	361	0.5	18.1	5.	181
AVERAGE		9.25	6.9			9.	413	0.13	4.4	4.2	316

STA. NO. 30

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
7-02-71	Fair	—	3.5	200.	—			2.	—	780.	—
7-30-70	Fair	1.16	3.6	206.	1,288			1.7	11.0	518.	3,239
8-31-70	Rain	2.50	3.6	210.	2,830			2.0	27.0	470.	6,333
9-30-70	Fair	0.92	3.5	234.	1,160			2.7	13.4	595.	2,950
10-29-70	Fair	0.06	3.5	344.	111			1.8	0.6	663.	214
11-29-70	Fair	3.16	4.0	218.	3,713			1.5	25.6	499.	8,499
12-28-70	Snow	8.39	3.8	194.	8,773			1.2	54.3	317.	14,335
1-23-71	Snow	1.29	4.2	202.	1,404			1.5	10.4	470.	3,268
3-05-71	Snow	10.29	4.0	128.	7,099			0.7	38.8	278.4	15,441
4-08-71	Fair	4.16	3.6	154.	3,453			0.6	13.5	316.8	7,103
5-11-71	Rain	3.54	3.6	103.	1,965			0.9	17.2	250.	4,770
6-22-71	Fair	2.09	3.5	154.	1,735			2.1	23.7	365.	4,112
AVERAGE		3.41	3.7	196.	3,048			1.6	21.4	460.	6,388

STA. NO. 31

MUDDY RUN

SAMPLING DATA

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
7-30-70	Fair	0.10	6.4			32.	17	2.9	1.5	182.	96
8-31-70	Rain	0.12	3.7	68.	44			1.4	0.9	163.	105
9-30-70	Fair	0.01	7.0			96.	5	2.9	0.2	154.	8
10-29-70	Fair	0.01	4.4	58.	3			1.5	0.1	211.	11
11-29-70	Fair	0.03	4.9	28.	5			1.5	0.2	163.	26
12-28-70	Snow	0.09	4.0	64.	31			0.6	0.3	144.	70
1-23-71	Snow	—	6.8			56.	—	4.7	—	154.	—
3-05-71	Snow	0.35	3.7	50.	94			0.2	0.4	144.0	272
4-08-71	Fair	0.08	3.7	48.	21			0.4	0.2	115.2	50
5-11-71	Rain	0.18	3.4	55.	53			0.4	0.4	125.	121
None	Fair										
AVERAGE		0.11	4.8	37.	25	18.	2	1.7	0.5	156.	84

STA. NO. 32

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
7-02-70	Fair	4.10	3.6	100.	2,210			.7	15.0	440.	9,724
7-30-70	Fair	5.25	3.7	84.	2,377			1.1	31.1	288.	8,150
8-31-70	Rain	22.0	3.7	78.	9,249			1.1	130.	154.	18,261
9-30-70	Fair	3.11	3.7	114.	1,911			1.5	25.1	298.	4,995
10-29-70	Fair	4.80	3.7	132.	3,415			1.0	25.9	278.	7,192
11-29-70	Fair	10.66	4.0	116.	6,665			1.5	86.2	298.	17,122
12-28-70	Snow	19.64	4.0	86.	9,104			1.7	180.	144.	15,244
1-23-71	Snow	7.57	4.1	112.	4,570			2.5	102.	250.	10,201
3-05-71	Snow	48.5	3.7	62.	16,211			2.6	679.	134.4	35,141
4-08-71	Fair	24.4	3.4	76.	9,987			0.8	105.	182.4	23,969
5-11-71	Rain	12.23	3.5	74.	4,878			1.9	125.	144.	9,492
6-22-71	Fair	4.72	3.6	80.	2,035			1.3	33.1	173.	4,401
AVERAGE		13.91	3.7	93.	6,051			1.5	128.	253.	13,658

STA. NO. 33

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
6-19-70	Fair	4.41	4.0	84.	1,997			.1	2.0	200.	4,754
7-30-70	Fair	3.08	4.1	84.	1,395			.2	3.0	202.	3,353
8-31-70	Rain	17.17	3.8	98.	9,070			0.6	55.5	182.	16,843
9-30-70	Fair	3.42	4.1	88.	1,622			0.2	3.7	240.	4,424
10-29-70	Fair	5.56	4.1	80.	2,397			0.3	9.0	269.	8,061
11-29-70	Fair	9.44	4.4	110.	5,597			0.2	10.2	192.	9,769
None	Snow										
1-23-71	Snow	6.9	4.6	92.	3,422			0.2	7.4	240.	8,926
3-05-71	Snow	34.5	3.2	110.	20,431			2.7	501.	57.6	10,699
4-08-71	Fair	16.84	3.9	55.	4,992			0.2	18.2	144.0	13,071
5-11-71	Rain	19.04	4.0	56.	5,747			0.5	51.3	115.	11,802
6-22-71	Fair	3.28	4.3	48.	849			3.1	54.8	130.	2,292
AVERAGE		11.24	4.0	82.	5,229			0.8	65.1	179.	8,545

STA. NO. 105

MUDDY RUN

SAMPLING DATA

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
7-30-70	Fair	0.00	6.4			36.	0	0.1	0.0	307.	0
8-31-70	Rain	0.01	6.4			36.	2	0.0	0.0	307.	17
9-30-70	Fair	0.01	6.3			34.	2	2.8	0.2	269.	14
10-29-70	Fair	0.01	6.3			44.	2	1.4	0.1	278.	15
11-29-70	Fair	0.01	6.1			46.	2	0.4	0.1	307.	17
12-28-70	Snow	0.01	6.7			16.	1	0.0	0.0	384.	21
1-23-71	Snow	0.01	6.7			38.	2	0.1	0.0	586.	32
3-05-71	Snow	0.01	6.6			40.	2	0.0	0.0	441.6	74
4-08-71	Fair	0.01	6.6			36.	2	0.04	0.0	249.6	13
5-11-71	Rain	0.01	6.3			28.	2	0.1	0.0	298.	16
6-22-71	Fair	0.01	6.6			30.	2	0.1	0.0	288.	16
AVERAGE		0.01	6.5			35.	2	0.5	0.0	338.	17

STA. NO. 106

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
7-30-70	Fair	0.02	6.5			40.	4	0	0.0	451.	49
8-31-70	Rain	0.05	6.4			44.	12	0.2	0.1	422.	114
9-30-70	Fair	0.01	6.4			56.	3	0.0	0.0	355.	19
10-29-70	Fair	0.01	6.5			56.	3	0.0	0.0	394.	21
11-29-70	Fair	0.05	6.0			56.	15	0.0	0.0	355.	96
12-28-70	Snow	0.02	6.7			40.	4	0.0	0.0	557.	60
1-23-71	Snow	0.01	6.6			46.	2	0.1	0.0	499.	27
3-05-71	Snow	0.07	6.4			36.	14	0.06	0.0	566.4	214
4-08-71	Fair	0.02	6.5			46.	5	0.02	0.0	460.8	50
5-11-71	Rain	0.08	6.4			34.	15	0.02	0.1	586.	253
6-22-71	Fair	0.11	6.6			50.	29	0.04	0.0	365.	216
AVERAGE		0.04	6.5			46.	9	0.06	0.02	456.	102

STA. NO. 107

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
7-30-70	Fair	0.00	2.7	714.	0			20.7	0	1,219.	0
8-31-70	Rain	0.17	2.8	558.	511			49.4	45.3	701.	642
9-30-70	Fair	0.01	2.8	856.	46			21.0	1.1	1,229.	66
10-29-70	Fair	0.01	2.9	744.	40			23.5	1.3	950.	51
11-29-70	Fair	0.03	3.3	638.	103			21.8	3.5	787.	127
12-28-70	Snow	0.02	3.3	342.	37			24.5	2.6	595.	64
1-23-71	Snow	—	3.6	322.	—			17.0	—	538.	—
3-05-71	Snow	0.07	3.4	112.	42			19.1	7.2	259.2	98
4-08-71	Fair	0.01	3.1	362.	20			6.5	0.4	384.0	21
5-11-71	Rain	0.05	2.7	266.	72			12.4	3.3	365.	98
None	Fair										
AVERAGE		0.04	3.1	491.	97			21.6	7.2	703.	130

STA. NO. 108

MUDDY RUN

SAMPLING DATA

DATE	WEATHER	FLOW C.F.S.	PH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
7-30-70	Fair	2.24	3.1	133.	1,606			10.4	126.0	499.	6,025
8-31-70	Rain	2.52	3.1	146.	1,983			9.9	134.5	470.	6,384
9-30-70	Fair	2.15	3.4	190.	2,202			24.3	281.6	509.	5,899
10-29-70	Fair	2.04	3.2	142.	1,561			14.6	160.5	470.	5,168
11-29-70	Fair	3.79	3.5	174.	3,554			19.4	396.3	509.	10,398
12-28-70	Snow	14.09	3.4	174.	13,214			20.0	1,519.	538.	40,858
None	Snow										
None	Snow										
None	Fair										
5-11-71	Rain	3.95	2.8	182.	3,874			11.5	244.8	509.	10,837
6-22-71	Fair	2.52	3.0	100.	1,358			8.8	119.5	432.	5,868
AVERAGE		4.16	3.2	155.	3,669			14.9	372.8	492.	11,430

STA. NO. 109

DATE	WEATHER	FLOW C.F.S.	PH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
7-30-70	Fair	1.13	7.1			114.	694	.2	1.2	250.	1,523
8-31-70	Rain	1.33	7.3			132.	946	0.2	1.4	240.	1,720
9-30-70	Fair	1.07	7.3			130.	750	0.9	5.2	259.	1,494
10-29-70	Fair	1.51	7.2			156.	1,270	0.1	0.8	269.	2,189
11-29-70	Fair	1.94	7.0			108.	1,129	0.5	5.2	202.	2,112
12-28-70	Snow	4.82	7.3			52.	1,351	0.7	18.2	173.	4,495
None	Snow										
3-05-71	Snow	4.82	7.0			34.	883	0.7	18.2	105.6	2,743
4-08-71	Fair	1.24	7.2			62.	414	2.2	14.7	124.8	834
5-11-71	Rain	2.22	7.1			76.	909	0.4	4.8	115.	1,376
6-22-71	Fair	0.46	7.3			130.	322	0.02	0.0	192.	476
AVERAGE		2.05	7.2			99.	867	0.6	7.0	193.	1,896

STA. NO. 110

DATE	WEATHER	FLOW C.F.S.	PH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
7-30-70	Fair	0.98	7.2			26.	137	.1	0.5	230.	1,215
8-31-70	Rain	1.24	7.1			132.	882	0.2	1.3	211.	1,410
9-30-70	Fair	0.37	7.3			154.	307	0.5	1.0	259.	517
10-29-70	Fair	1.51	7.4			154.	1,253	0.1	0.8	259.	2,108
11-29-70	Fair	1.73	7.0			118.	1,100	0.1	0.9	182.	1,697
12-28-70	Snow	12.00	7.2			64.	4,140	0.3	19.4	154.	9,961
None	Snow										
3-05-71	Snow	28.5	7.0			38.	5,839	0.3	46.1	86.4	13,277
4-08-71	Fair	8.92	7.4			60.	2,885	0.3	14.4	115.2	5,539
5-11-71	Rain	12.21	7.2			96.	6,318	0.3	19.7	144.	9,477
6-22-71	Fair	1.71	7.2			122.	1,124	0.2	1.8	211.	1,945
AVERAGE		6.9	7.2			96.	2,399	0.2	11.	185.	4,715

STA. NO. 111

MUDDY RUN

SAMPLING DATA

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
7-30-70	Fair	0.08	7.2			40.	17	.5	0.2	173.	75
8-31-70	Rain	0.17	7.1			32.	29	0.5	0.5	57.6	53
9-30-70	Fair	0.04	7.2			44.	9	0.2	0	202.	44
10-29-70	Fair	0.06	7.1			34.	11	0.0	0	173.	56
11-29-70	Fair	0.19	6.8			24.	24	0.0	0	192.	196
12-28-70	Snow	0.22	7.4			20.	22	0.0	0	144.	171
1-23-71	Snow	0.05	7.2			30.	8	0.1	0	211.	57
3-05-71	Snow	0.19	7.0			14.	14	0.04	0	96.0	98
4-08-71	Fair	0.19	7.2			24.	25	0.4	0.4	124.8	128
5-11-71	Rain	0.30	7.2			30.	49	0.2	0.3	96.	155
6-22-71	Fair	0.20	7.5			46.	49	0.7	0.8	77.	83
AVERAGE		0.15	7.2			31.	23	0.3	0.2	141.	101

STA. NO. 112

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
7-30-70	Fair	0.01	3.1	270.	15			18.	1.0	595.	32
8-31-70	Rain	0.02	3.2	272.	29			22.4	2.4	499.	54
9-30-70	Fair	0.01	3.2	286.	15			22.7	1.2	518.	28
None	Fair										
11-29-70	Fair	0.02	3.4	322.	35			20.0	2.2	595.	64
12-28-70	Snow	0.05	3.3	330.	90			24.5	6.6	557.	150
1-23-71	Snow	0.02	3.7	334.	36			44.0	4.7	614.	66
3-05-71	Snow	0.02	3.0	180.	19			10.6	1.1	374.4	40
4-08-71	Fair	0.02	3.0	228.	25			11.5	1.2	412.8	44
5-11-71	Rain	0.01	2.7	210.	11			31.0	1.7	346.	19
None	Fair										
AVERAGE		0.02	3.2	267.	31			22.7	2.5	501.	55

STA. NO. 113

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
7-31-70	Fair	0.20	7.2			48.	52	.1	0.1	48.	52
8-31-70	Rain	1.80	6.9			12.	116	0.4	3.9	48.0	466
9-30-70	Fair	0.25	7.4			40.	54	0.3	0.4	28.8	39
10-29-70	Fair	0.33	7.4			28.	50	0.5	0.9	19.2	34
PHASED OUT											
AVERAGE		0.65	7.2			32.	68	0.3	1.3	36.	148

STA. NO. 114

MUDDY RUN

SAMPLING DATA

DATE	WEATHER	FLOW C.F.S.	PH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
7-31-70	Fair	0.70	6.4			6.	23	.6	2.3	374.	1,411
8-31-70	Rain	8.76	6.3			9.	425	1.0	47.2	67.2	3,173
9-30-70	Fair	0.75	6.3			12.	49	0.5	2.0	38.4	155
10-29-70	Fair	3.20	6.3			16.	276	0.4	6.9	374.	6,451
11-29-70	Fair	2.53	6.5			15.	205	1.0	13.6	221.	3,014
12-28-70	Snow	4.97	6.3			3.	80	0.5	13.4	202.	5,411
1-23-71	Snow	1.54	6.7			12.	100	6.4	53.	365.	3,030
3-05-71	Snow	5.96	5.9			0	0	0.9	28.9	163.2	5,243
4-08-71	Fair	2.50	6.6			12.	162	0.8	10.8	57.6	776
5-11-71	Rain	3.14	6.6			10.	169	3.6	60.9	48.	812
6-22-71	Fair	1.50	6.9			30.	243	0.7	5.7	384.	3,105
AVERAGE		3.23	6.4			11.	157	1.5	22.2	208.6	2,962

STA. NO. 115

DATE	WEATHER	FLOW C.F.S.	PH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
7-30-70	Fair	0.60	2.9	486.	1,572			24.2	78.	720.	2,328
8-31-70	Rain	0.93	2.8	562.	2,817			62.4	312.	1,085.	5,439
9-30-70	Fair	0.67	2.8	492.	1,777			25.5	92.1	1,190.	4,297
10-29-70	Fair	0.50	2.9	475.	1,280			18.4	49.6	1,190.	3,207
11-29-70	Fair	0.71	3.1	492.	1,883			18.0	68.9	1,152.	4,409
12-28-70	Snow	1.24	3.1	434.	2,901			66.5	444.	1,094.	7,312
1-23-71	Snow	0.87	3.3	474.	2,223			84.0	394.	1,248.	5,852
3-05-71	Snow	4.00	2.9	458.	9,874			62.0	1337.	950.4	20,491
4-08-71	Fair	1.00	2.7	416.	2,242			44.5	240.	796.8	4,295
5-11-71	Rain	0.94	2.6	272.	1,378			47.5	241.	835.	4,231
6-22-71	Fair	1.02	2.7	198.	1,089			46.5	256.	854.	4,695
AVERAGE		1.13	2.9	433.	2,640			45.4	319.	1,010.	6,051

STA. NO. 116

DATE	WEATHER	FLOW C.F.S.	PH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
7-30-70	Fair	0.00	3.8	20.	0			.3	0	28.8	0
8-31-70	Rain	0.01	3.3	66.	4			0.5	0	76.8	4
None	Fair										
None	Fair										
11-29-70	Fair	0.01	4.4	20.	1			6.6	0.4	19.2	1
PHASED											
OUT											
AVERAGE		0.01	3.8	35.	2			2.5	0.1	41.6	2

STA. NO. 117

MUDDY RUN

SAMPLING DATA

DATE	WEATHER	FLOW C.F.S.	PH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
7-30-70	Fair	0.13	2.8	398.	279			23.1	16.0	739.	578
8-31-70	Rain	0.19	2.8	384.	393			27.3	28.0	595.	609
9-30-70	Fair	0.10	2.7	410.	221			32.6	17.6	730.	393
10-29-70	Fair	0.08	2.7	500.	216			25.1	10.8	816.	352
11-29-70	Fair	0.26	3.1	380.	533			12.5	17.5	576.	807
12-28-70	Snow	0.71	3.0	282.	1,079			25.6	98.0	528.	2,021
1-23-71	Snow	0.13	3.3	382.	268			35.0	24.5	864.	605
3-05-71	Snow	0.46	4.1	48.	119			0.02	0	105.6	262
4-08-71	Fair	0.71	2.7	258.	987			50.5	193.0	384.0	1,470
5-11-71	Rain	0.58	2.5	227.	709			18.5	57.8	365.	1,141
6-22-71	Fair	0.13	2.6	300.	210			28.0	19.6	662.	464
AVERAGE		0.32	2.9	324.	457			25.3	43.9	579.	791

STA. NO. 118

DATE	WEATHER	FLOW C.F.S.	PH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
7-30-70	Fair	0.07	2.9	506.	191			26.4	10.0	1085.	409
8-31-70	Rain	0.33	2.9	374.	665			38.4	68.3	749.	1,332
9-30-70	Fair	0.13	2.8	562.	394			39.5	27.7	979.	686
10-29-70	Fair	0.09	2.8	645.	313			23.2	11.3	1152.	558
11-29-70	Fair	0.10	3.1	472.	254			16.2	8.7	835.	450
12-28-70	Snow	0.27	3.1	278.	405			44.8	65.2	682.	993
1-23-71	Snow	0.09	3.3	480.	233			59.0	28.6	1056.	512
3-05-71	Snow	2.61	2.9	138.	1,941			34.0	478.	336.0	4,727
4-08-71	Fair	0.27	2.7	376.	547			30.5	44.4	556.8	810
5-11-71	Rain	0.36	2.5	280.	543			29.5	57.2	528.	1,025
6-22-71	Fair	0.08	2.6	425.	183			43.0	18.5	854.	368
AVERAGE		0.40	2.9	412.	515			35.0	74.3	801.	1,079

STA. NO. 119

DATE	WEATHER	FLOW C.F.S.	PH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
7-30-70	Fair	0.20	3.9	106.	114			.9	1.0	509.	549
8-31-70	Rain	0.30	3.8	126.	204			0.7	1.1	202.	327
9-30-70	Fair	0.20	3.7	150.	162			0.7	0.8	326.	351
10-29-70	Fair	0.20	3.8	128.	138			0.6	0.6	288.	310
PHASED											
OUT											
AVERAGE		0.23	3.8	128.	155			0.7	0.9	331.	384

STA. NO. 120

MUDDY RUN

SAMPLING DATA

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
7-30-70	Fair	0.01	3.7	62.	3			.7	0	470.	25
8-31-70	Rain	0.04	3.7	56.	12			0.4	0.1	298.	64
9-30-70	Fair	0.02	3.7	80.	9			0.5	0.1	470.	51
10-29-70	Fair	0.10	3.7	107.	58			0.3	0.2	461.	248
11-29-70	Fair	0.20	3.9	100.	108			0.3	0.3	509.	549
12-28-70	Snow	0.46	4.0	60.	149			0.0	0	461.	1,143
1-23-71	Snow	0.10	4.2	102.	55			0.2	0.1	557.	300
3-05-71	Snow	0.62	3.9	66.	221			0.3	1.0	153.6	513
4-08-71	Fair	0.26	3.7	60.	84			0.1	0.1	336.0	471
5-11-71	Rain	0.17	3.6	48.	44			.08	0.1	288.	264
None	Fair										
AVERAGE		0.20	3.8	74.	74			0.3	0.2	410.	363

STA. NO. 121

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
None	Fair										
8-31-70	Rain	0.01	3.1	128.	7			8.4	0.5	154.	8
9-30-70	Fair	0.01	3.0	180.	10			24.2	1.3	240.	13
None	Fair										
11-29-70	Fair	0.01	3.5	184.	10			19.6	1.1	250.	13
12-28-70	Snow	0.02	3.3	232.	25			18.0	1.9	394.	42
1-23-71	Snow	0.01	3.6	260.	14			206.0	11.1	413.	22
3-05-71	Snow	0.03	3.1	238.	38			17.6	2.8	278.4	45
4-08-71	Fair	0.01	2.9	195.	11			22.0	1.2	268.8	14
5-11-71	Rain	0.01	2.7	152.	8			18.4	1.0	154.	8
6-22-71	Fair	0.01	2.8	162.	9			18.7	1.0	230.	12
AVERAGE		0.01	3.1	192.	15			39.2	2.4	265.	20

STA. NO. 122

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
None	Fair										
8-31-70	Rain	0.01	2.9	666.	36			62.4	3.4	1190.	64
9-30-70	Fair	0.01	3.3	600.	32			39.4	2.1	1305.	70
10-29-70	Fair	0.01	2.8	430.	23			30.4	1.6	960.	52
11-29-70	Fair	0.01	3.2	575.	31			24.1	1.3	1210.	65
12-28-70	Snow	0.02	3.4	584.	63			220.0	23.7	576.	62
1-23-71	Snow	0.01	3.8	548.	30			194.0	10.0	1286.	69
3-05-71	Snow	0.03	3.4	436.	71			81.0	13.1	672.0	109
4-08-71	Fair	0.01	2.7	334.	18			101.0	5.4	739.0	40
5-11-71	Rain	0.02	2.5	510.	55			89.0	9.6	806.	87
6-22-71	Fair	0.01	2.6	416.	22			112.0	6.0	1075.	58
AVERAGE		0.01	3.1	510.	38			95.3	7.6	982.	68

STA. NO. 123

MUDDY RUN

SAMPLING DATA

DATE	WEATHER	FLOW C.F.S.	PH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
None	Fair										
8-31-70	Rain	0.03	4.0	12.	2			0.1	0	9.6	2
None	Fair										
10-29-70	Fair	0.01	4.0	16.	1			0.0	0	57.6	3
11-29-70	Fair	0.01	4.6	7.	1			0.1	0	48.0	3
12-28-70	Snow	0.08	4.6	6.	3			0.2	0.1	28.8	12
None	Snow										
3-05-71	Snow	0.02	4.5	8.	1			0.2	0.02	19.2	2
4-08-71	Fair	0.01	4.2	10.	1			0.08	0	9.6	1
5-11-71	Rain	0.02	3.9	8.	1			0.2	0	10.	1
None	Fair										
AVERAGE		0.03	4.3	10.	1			0.1	0.02	26.1	3

STA. NO. 124

DATE	WEATHER	FLOW C.F.S.	PH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
None	Fair										
8-31-70	Rain	0.60	2.7	438.	1,416			65.0	210.	643.	2,079
9-30-70	Fair	0.17	6.3			60.	55	28.6	26.2	403.	369
10-29-70	Fair	0.45	6.2			48.	116	10.6	25.7	403.	977
11-29-70	Fair	0.55	6.4			68.	202	10.4	30.8	269.	797
12-28-70	Snow	0.86	6.1			2.	9	48.0	222.5	355.	1,646
None	Snow										
3-05-71	Snow	0.73	6.8			42.	165	8.0	31.5	57.6	227
4-08-71	Fair	0.40	7.1			52.	112	5.9	12.7	240.0	517
5-11-71	Rain	1.02	7.9			102.	561	0.6	3.3	163.	896
6-22-71	Fair	2.47	7.2			72.	959	4.8	63.9	336.	4,473
AVERAGE		0.81	6.3	—	—	50.	242	20.2	69.6	319.	1,331

STA. NO. 125

DATE	WEATHER	FLOW C.F.S.	PH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
None	Fair										
None	Rain										
9-30-70	Fair	2.18	2.8	618.	7,262			43.7	513	1757.	20,645
10-29-70	Fair	3.49	2.8	790.	14,861			27.5	517	1642	30,888
11-29-70	Fair	—	3.1	746.	—			20.6	—	1728.	—
None	Snow										
1-24-71	Snow	—	3.3	580.	—			59.7	—	1353.	—
3-06-71	Snow	—	3.0	496.	—			86.0	—	1258.	—
4-09-71	Fair	—	2.7	602.	—			61.5	—	1334.	—
5-12-71	Rain	7.28	2.5	756.	29,665			106.0	4,159	1392.	54,621
6-23-71	Fair	—	2.6	722.	—			76.5	—	1517.	—
AVERAGE		4.32	2.9	644.	17,263			60.2	1,730	1498.	35,385

STA. NO. 126

MUDDY RUN

SAMPLING DATA

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
None	Fair										
None	Rain										
None	Fair										
None	Fair										
11-29-70	Fair	0.45	5.0	8.	19			0.4	1.0	28.8	70
12-28-70	Snow	1.25	4.9	0.	0			0.0	0	9.6	65
None	Snow										
None	Snow										
4-08-71	Fair	4.34	4.3	12.	281			0.2	4.7	19.2	449
5-11-71	Rain	1.73	4.3	8.	75			.06	0.6	5.	47
None	Fair										
AVERAGE		1.9	4.6	7.	94			0.2	1.6	15.7	158

STA. NO. 127

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
None	Fair										
None	Rain										
None	Fair										
None	Fair										
11-29-70	Fair	0.23	4.6	24.	30			0.2	0.2	48.0	60
12-28-70	Snow	0.23	4.4	48.	60			0.3	0.4	76.8	95
None	Snow										
None	Snow										
4-08-71	Fair	0.28	4.0	30.	45			0.2	0.3	19.2	29
5-11-71	Rain	0.06	3.9	18.	6			0.2	0.1	14.	5
6-22-71	Fair	0.01	4.0	14.	1			2.1	0.1	29.	2
AVERAGE		0.16	4.2	27.	28			0.6	0.2	37.	38

STA. NO. 128

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
None	Fair										
None	Rain										
None	Fair										
None	Fair										
11-29-70	Fair	0.20	3.2	1066.	1,149			18.5	19.9	2467.	2,659
12-28-70	Snow	0.27	3.3	654.	952			8.0	11.6	1958.	2,849
None	Snow										
None	Snow										
4-08-71	Fair	0.46	3.0	440.	1,091			3.3	8.2	873.6	2,166
5-11-71	Rain	0.34	2.8	468.	858			3.5	6.4	730.	1,338
6-22-71	Fair	0.01	2.9	508.	27			28.5	1.5	1027.	55
AVERAGE		0.26	3.0	627.	815			12.4	9.5	1411.	1,813

STA. NO. 129

MUDDY RUN

SAMPLING DATA

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
None	Fair										
None	Rain										
None	Fair										
None	Fair										
11-29-70	Fair	0.17	2.9	4068.	3,728			17.4	15.9	5827.	5,339
12-28-70	Snow	0.30	2.9	2390.	3,865			133.0	215.	6374.	10,307
None	Snow										
None	Snow										
4-08-71	Fair	0.17	2.7	1340.	1,228			46.0	42.1	2035.	1,865
5-11-71	Rain	0.02	2.6	1600.	172			37.5	4.0	2304.	248
6-22-71	Fair	0.04	2.8	1028.	222			52.5	11.3	2688.	579
AVERAGE		0.14	2.8	2085.	1,843			57.3	57.7	3846.	3,668

STA. NO. 130

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
None	Fair										
None	Rain										
None	Fair										
None	Fair										
11-29-70	Fair	0.22	4.8	18.	21			0.1	0.1	19.2	23
12-28-70	Snow	0.05	4.0	20.	5			0.4	0.1	28.8	8
None	Snow										
None	Snow										
4-08-71	Fair	0.21	3.8	16.	18			0.4	0.4	14.4	16
5-11-71	Rain	0.04	3.4	20.	4			6.1	1.3	5.	1
None	Fair										
AVERAGE		0.13	4.0	19.	12			1.8	0.5	16.9	12

STA. NO. 131

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
None	Fair										
None	Rain										
None	Fair										
None	Fair										
11-29-70	Fair	0.50	3.5	302.	814			6.6	17.8	710.	1,913
None	Snow										
None	Snow										
3-05-71	Snow	1.34	3.4	188.	1,358			3.4	24.6	470.4	3,398
4-08-71	Fair	1.28	3.3	176.	1,214			2.5	17.2	403.2	2,782
5-11-71	Rain	0.14	2.8	296.	223			10.6	8.0	528.	398
6-22-71	Fair	0.05	3.4	266.	72			2.4	0.6	566.	153
AVERAGE		0.66	3.3	246.	736			5.1	13.6	535.	1,730

STA. NO. 132

MUDDY RUN

SAMPLING DATA

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
None	Fair										
None	Rain										
None	Fair										
None	Fair										
11-29-70	Fair	0.60	3.2	420.	1,358			24.8	80.2	1094.	3,538
None	Snow										
None	Snow										
3-05-71	Snow	0.93	3.1	360.	1,805			5.0	25.1	816.0	4,090
4-08-71	Fair	0.60	2.9	278.	899			8.5	27.5	681.6	2,204
5-11-71	Rain	0.06	2.7	304.	98			14.8	4.8	720.	233
6-22-71	Fair	0.19	2.8	366.	374			26.0	26.6	922.	944
AVERAGE		0.48	2.9	346.	907			15.8	32.8	847.	2,202

STA. NO. 133

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
None	Fair										
None	Rain										
None	Fair										
None	Fair										
11-29-70	Fair	0.30	3.4	148.	239			11.7	18.9	461.	745
12-28-70	Snow	0.01	4.7	15.	1			6.4	0.3	115.	6
1-23-71	Snow	—	3.5	168.	—			24.2	—	518.	—
3-05-71	Snow	0.61	3.5	128.	421			11.5	37.8	259.2	852
None	Fair										
5-11-71	Rain	0.01	4.2	20.	1			0.2	0	58.	3
None	Fair										
AVERAGE		0.23	3.9	96.	166			10.8	14.3	282.	402

STA. NO. 134

DATE	WEATHER	FLOW C.F.S.	pH	NET ACIDITY		NET ALKALINITY		TOTAL IRON		SULFATES	
				CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY	CONC.	#/DAY
None	Fair										
None	Fair										
None	Rain										
None	Fair										
None	Fair										
11-29-70	Fair	0.09	3.7	84.	41			2.4	1.2	528.	256
12-28-70	Snow	0.02	4.0	44.	5			0.9	0.1	346.	37
1-23-71	Snow	—	3.8	80.	—			3.3	—	461.	—
3-05-71	Snow	2.81	4.0	40.	606			1.7	26.	163.2	2,472
4-08-71	Fair	0.78	3.5	52.	219			3.7	15.6	297.6	1,251
5-11-71	Rain	0.27	3.4	43.	63			0.7	1.0	182.	265
6-22-71	Fair	0.02	3.2	120.	13			2.7	0.3	576.	62
AVERAGE		0.67	3.7	66.	158			2.2	7.4	365.	724