

APPENDIX "A"

APPENDIX "A"

SEEWALD LABORATORY TEST RESULTS

TEST RESULTS	NUMBER OF SAMPLES ANALYZED
May 4, 1970	28
May 20, 1970	11
June 15, 1970	42
July 13, 1970	36
August 5, 1970.....	23
August 28, 1970	34
September 21, 1970.....	19
November 16, 1970	31
December 28, 1970	26
February 20, 1971.....	28
April 1, 1971.....	32
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TOTAL 11	310

NO. 1 LACKAWANNA RIVER 200' BELOW WILSON CREEK

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970			6.4	0		14		.3		152	
June 15, 1970			6.5	0		10		.1		56	
July 13, 1970			6.3	0		18		.1		96	
Aug. 5, 1970			6.4	0		14		.3		96	
Aug. 28, 1970			6.2	0		6		.1		140	
Sept. 21, 1970			5.6	0		10		.4		120	
Nov. 16, 1970			6.8	0		0		.5		32	
Dec. 28, 1970			6.1	2		0		.3		16	
Feb. 20, 1971			6.1	0		4		.6		100	
April 1, 1971			6.5	16		0		.3		38	
AVERAGE					2		8		.3		85

NO. 2 WILSON CREEK

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES					
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY				
June 15, 1970	5.85	2626	6.2	0	0	10	314	.1	6	240	7859				
July 13, 1970	4.06	1825	6.4	0	0	10	218	.1	4	260	5917				
Aug. 5, 1970	4.82	2187	6.3	0	0	6	157	.1	5	360	9818				
Aug. 28, 1970	4.35	1956	6.4	0	0	8	187	.1	4	230	5610				
Sept. 21, 1970	4.79	2154	6.0	0	0	6	154	.1	5	250	6715				
Nov. 16, 1970	9.63	4320	6.6	0	0	8	413	.4	37	160	8619				
Dec. 28, 1970	8.76	3923	6.5	0	0	8	375	.1	8	135	6604				
Feb. 20, 1971	9.68	4346	6.4	0	0	18	935	.4	37	170	9213				
April 1, 1971	9.21	4137	6.7	0	0	10	494	.1	9	150	7738				
AVERAGE					6.79	3052		0	0	9	361	.2	13	217	7566

NO. 3 LACKAWANNA RIVER 200' ABOVE WILSON CREEK

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970			6.5	0		6		.5		20	
June 15, 1970			6.7	0		6		.1		20	
July 13, 1970			6.7	0		14		.1		42	
Aug. 5, 1970			6.7	0		18		.4		48	
Aug. 28, 1970			6.7	0		10		.1		48	
Sept. 21, 1970			6.1	0		12		.1		42	
Nov. 16, 1970			6.7	0		10		.7		24	
Dec. 28, 1970			6.6	0		4		.1		20	
Feb. 20, 1971			6.4	0		8		.4		32	
April 1, 1971			6.8	4		0		.1		24	
AVERAGE					0		9		.3		32

NO. 4 LOWER SIMPSON OUTFALL

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES		
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	
May 20, 1970	1.96	880	5.6	0	0	6	63	.3	5	220	2414	
June 15, 1970	3.91	1756	5.9	0	0	0	0	.1	4	84	1839	
July 13, 1970	2.57	1153	5.8	0	0	18	248	.1	2	290	4169	
Aug. 5, 1970	3.13	1403	5.8	0	0	14	235	.1	3	360	6296	
Aug. 28, 1970	3.13	1403	5.7	0	0	12	201	.3	9	270	4723	
Sept. 21, 1970	2.98	1337	6.0	0	0	4	64	.1	3	220	3668	
Nov. 16, 1970	6.72	3016	5.7	0	0	10	360	.8	52	185	6957	
Dec. 28, 1970			5.7	0	0	8		.5		190		
Feb. 20, 1971	2.57	1153	5.9	0	0	18	248	.1	2	190	2732	
April 1, 1971	6.72	3016	6.0	0	0	12	434	.1	6	160	6017	
AVERAGE					0	0	11	206	.3	10	217	4312

NO. 5 UPPER WILSON OUTFALL

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970	1.11	498	6.1	0	0	28	119	.5	5	280	1738
May 20, 1970	1.55	694	5.9	0	0	0	0	.3	4	150	1298
June 15, 1970	.58	260	6.2	0	0	10	31	.1	1	108	350
July 13, 1970	.39	174	5.9	0	0	12	25	.1	0	290	629
Aug. 5, 1970	.39	174	5.6	0	0	10	21	.3	1	290	629
Aug. 28, 1970	.35	156	5.8	0	0	8	15	.7	2	320	622
Sept. 21, 1970	.27	123	5.8	0	0	6	9	.4	1	215	330
Nov. 16, 1970	1.36	610	6.0	0	0	0	7	.7	9	320	2434
Dec. 28, 1970	.27	123	5.8	0	0	10	1	.5	1	230	353
Feb. 20, 1971	.53	236	5.9	0	0	18	51	.4	2	220	647
April 1, 1971	1.31	588	6.1	0	0	10	73	.1	1	180	1320
AVERAGE	.74	330		0	0	10	32	.4	3	237	941

NO. 6 LOWER WILSON OUTFALL

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970	1.96	880	6.1	0	0	18	189	.4	8	220	2414
May 20, 1970	1.55	694	6.2	0	0	20	166	.5	7	280	2423
June 15, 1970	1.36	610	6.3	0	0	60	437	.1	1	116	882
July 13, 1970	1.11	498	5.9	0	0	20	119	.5	5	240	1490
Aug. 5, 1970	1.55	610	5.9	0	0	20	146	.1	1	360	2738
Aug. 28, 1970	.88	397	5.9	0	0	10	47	.3	3	270	1337
Sept 21, 1970	1.55	694	5.8	0	0	16	133	.5	7	210	1817
Nov. 16, 1970	1.55	694	5.9	0	0	0	0	.9	13	185	1601
Dec. 28, 1970	1.75	784	6.0	0	0	0	0	.4	6	190	1857
Feb. 20, 1971	2.44	1094	6.1	0	0	22	287	.3	7	230	3138
April 1, 1971	1.19	533	6.4	0	0	20	128	.1	1	185	1232
AVERAGE	1.54	681		0	0	19	150	.4	5	226	1903

NO. 7 STREAM EAST OF LACKAWANNA RIVER AT STATION 28

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
June 15, 1970			4.4	6		0		.1		32	
July 13, 1970	.05	22	4.4	4	1	0	0	.4	0	36	10
Aug. 5, 1970	.01	6									
Nov. 16, 1970			4.3	14		0		.5		22	
Dec. 28, 1970	.63	284	4.4	8	27	0	0	.2	12	24	85
Feb. 20, 1971			4.4	16		0	0	.5		38	
April 1, 1971			4.6	32		0	0	.1		32	
AVERAGE	.23	104		13	14	0	0	.3	6	31	47

NO. 8 LACKAWANNA RIVER AT STATION 35

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
June 15, 1970			6.2	0		14		1.1		80	
Aug. 13, 1970			6.3	0		18		.1		34	
Aug. 28, 1970			6.5	0		8		.1		56	
AVERAGE				0		10		.4		57	

DISCONTINUED SAMPLING AUGUST 31, 1970

NO. 9 STREAM EAST OF LACKAWANNA RIVER AT STATION 63

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970			4.8	0		0		.3		16	
June 15, 1970			4.7	4		0		.1		14	
July 13, 1970	.05	34	4.8	0	0	0	0	.1	0	20	8

DISCONTINUED SAMPLING AUGUST 31, 1970

AVERAGE	.05	34		1	0	0	0	1.6	0	17	8
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NO. 10 STREAM EAST OF LACKAWANNA RIVER AT STATION 94

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
June 15, 1970			4.5	18		0		.3		32	
July 13, 1970			4.7	2		0		.1		34	

DISCONTINUED SAMPLING AUGUST 31 1970

AVERAGE				10		0		.2		33	
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NO. 11 SPRING EAST OF LACKAWANNA RIVER AT STATION

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
June 15, 1970			4.4	10		0		.1		48	

DISCONTINUED SAMPLING AUGUST 31, 1970

AVERAGE				10		0		.1		48	
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NO. 12 LACKAWANNA RIVER 200' BELOW NORTHWEST BOREHOLE

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970			5.2	0		0		.9		44	
May 20, 1970			6.2	0		8		.3		6	
June 15, 1970			6.8	0		0		.1		34	
July 13, 1970			6.6	0		20		.1		36	
Aug. 5, 1970			6.8	0		20		.5		52	
Aug. 28, 1970			6.7	0		10		.6		42	
Sept. 21, 1970			6.0	0		8		.7		52	
Nov. 16, 1970			6.7	0		8		.3		32	
Dec. 28, 1970			6.1	0		6		.1		22	
Feb. 20, 1971			6.1	0		6		.4		38	
April 1, 1971			6.5	0		0		.1		24	
AVERAGE				0		8		.4		36	

NO. 13 NORTHWEST BOREHOLE OUTFALL

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970	.02	7	6.5	0	0	50	4	.1	0	28	2
June 15, 1970	.02	7	7.0	0	0	60	5	.3	0	32	3
July 13, 1970	.02	7	6.8	0	0	52	4	.3	0	34	3
Aug. 5, 1970	.02	7	6.7	0	0	50	4	.1	0	34	3
Aug. 28, 1970	.02	7	7.3	0	0	78	6	.3	0	28	2
Sept. 21, 1970	.02	7	6.4	0	0	50	4	.3	0	28	2
Nov. 16, 1970	.02	7	7.1	0	0	56	5	.5	0	24	2
Dec. 28, 1970	.02	7	6.8	0	0	58	5	.5	0	24	2
Feb' 20, 1971	.02	7	6.7	0	0	58	5	1.1	0	24	2
April 1, 1971	.02	7	6.9	0	0	52	4	.8	0	38	3
AVERAGE	.02	7		0	0	56	5	.4	0	24	3

NO. 14 LACKAWANNA RIVER BELOW NORTHWEST DUMP

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
June 15, 1970			4.9	12		0		2.0		72	
July 13, 1970			4.3	46		0		.1		145	
Aug. 5, 1970			5.5	0		0		2.0		92	
Aug. 28, 1970			4.3	0		18		5.0		130	

1 DISCONTINUED SAMPLING 31, 1970

AVERAGE				15		5		2.3		110	
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NO. 15 NORTHWEST DUMP OUTFALL

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970	.02	10	3.1	220	26	0	0	8.5	2	725	90
May 20, 1970	.04	17	2.9	320	65	0	0	3.5	1	1050	222
June 15, 1970	.03	13	3.4	270	42	0	0	4.3	1	290	47
July 13, 1970	.05	22	3.0	340	89	0	0	.1	0	550	151
Aug. 5, 1970	.02	9	3.1	200	22	0	0	2.8	1	700	79
Aug. 28, 1970	.02	9	3.0	300	32	0	0	10.0	2	300	34
Sept' 21, 1970	.02	9	3.1	300	32	0	0	7.5	1	550	62
Nov. 16, 1970	.05	22	3.1	20	5	0	0	10.0	5	525	144
Dec. 28, 1970	.03	13	2.8	260	40	0	0	5.0	1	700	113
Feb. 20, 1971	.08	34	3.1	260	106	0	0	11.0	8	350	148
April 1, 1971	.08	35	3.2	180	77	0	0	6.5	5	240	107
AVERAGE	.04	18		243	49	0	0	6	2	544	109

NO. 16 LACKAWANNA RIVER ABOVE NORTHWEST DUMP

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970			6.4	0		8		.4		44	
June 15, 1970			6.5	0		14		.1		36	
July 13, 1970			6.1	0		20		.4		34	
Aug. 5, 1970			6.4	0		20		.1		42	
Aug. 28, 1970			6.3	0		18		.3		20	
Sept. 21, 1970			5.5	0		4		.1		28	
Nov. 16, 1970			6.7	0		0		.5		16	
Dec. 28, 1970			6.3	0		4		.4		24	
Feb. 20, 1971			5.8	0		6		1.4		28	
April 1, 1971			6.2	0		0		.1		38	
AVERAGE				0		9		.4		31	

NO. 17 STREAM EAST OF LACKAWANNA RIVER AT STATION 122

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970		Dry									
May 20, 1970		Dry									
June 15, 1970		Dry									
July 13, 1970		Dry									
Aug. 5, 1970		Dry									
Aug. 28, 1970		Dry									
Nov. 16, 1970			4.9	0		0		.4			10
Feb. 20, 1971			5.0	0		0		.3			24
April 1, 1971			5.3	14		0		.1			40
MONITOR QUARTERLY EFF. AUGUST 31, 1970											
AVERAGE				5		0		.3			25

NO. 18 LACKAWANNA RIVER BELOW BEAVER OUTFALL

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970			6.1	0		6		.4			42
May 20, 1970			6.1	0		6		.4			44
June 15, 1970			5.7	4		0		.6			58
July 13, 1970			6.1	0		10		.5			56
Aug. 5, 1970			6.5	0		20		.1			56
Aug. 28, 1970			6.3	0		6		.3			56
Sept. 21, 1970			5.8	0		6		.2			56
Nov. 16, 1970			6.5	0		0		.4			10
Dec. 28, 1970			6.2	0		6		.4			28
Feb. 20, 1971			6.2	0		0		1.1			32
April 1, 1971			6.5	20		0		.1			32
AVERAGE				2		5		.4			42

NO. 19 STREAM EAST OF LACKAWANNA RIVER AT STATION 145

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970			4.6	0		0		.3		20	
June 15, 1970	Dry										
Nov. 16, 1970			4.6	0		8		.1		12	
Feb. 20, 1971			4.6	6		0		.6		36	
April 1, 1971			4.7	20		0		.1		44	

MONITOR QUARTERLY EFF. AUGUST 31, 1970

AVERAGE				7		2		.3		28	
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NO. 20 BEAVER OUTFALL

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970	.82	367	5.4	6	26	0	0	.4	3	72	330
May 20, 1970	.63	284	5.7	0	0	0	0	.4	2	64	227
June 15, 1970	.53	236	5.5	0	0	0	0	.1	1	68	200
July 13, 1970	.53	236	4.8	0	0	0	0	.1	1	84	247
Aug. 5, 1970	1.11	498	4.9	0	0	0	0	.1	1	88	546
Aug. 28, 1970	.48	214	4.8	2	5	0	0	.5	2	120	320
Sept. 21, 1970	.53	236	5.1	8	23	0	0	.4	2	110	324
Nov. 16, 1970	.75	338	4.9	0	0	0	0	.1	1	90	379
Dec. 28, 1970	.43	193	4.6	16	37	0	0	.3	1	90	217
Feb. 20, 1971	1.19	533	5.0	2	13	0	0	.4	5	80	532
April 1, 1971	.43	193	5.2	10	23	0	0	.1	0	130	313
AVERAGE	.67	303		4	7	0	0	.3	2	91	330

NO. 21 STREAM EAST OF LACKAWANNA RIVER AT STATION 147

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970			5.0	0		0		.3		20	
June 15, 1970			4.7	4		0		.1		12	
Nov. 16, 1970			4.9	0		0		.1		10	
Feb. 20, 1971			5.0	2		0		.4		28	
April 1, 1971			4.9	16		0		.1		130	

MONITOR QUARTERLY EFF. AUGUST 31, 1970

AVERAGE				4		0		.2		40	
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NO. 22 LACKAWANNA RIVER ABOVE BEAVER OUTFALL

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970			6.2	0		0		.4		42	
June 15, 1970			6.5	0		14		.1		28	
July 13, 1970			6.4	0		20		.1		20	
Aug. 5, 1970			6.8	0		14		.1		36	
Aug. 28, 1970			6.5	0		20		.1		28	
Sept 21, 1970			5.9	0		4		3.3		28	
Nov. 16, 1970			6.7	0		10		.9		16	
Dec. 28, 1970			6.6	0		10		.4		28	
Feb. 20, 1971			6.1	0		8		.1		22	
April 1, 1971			6.5	0		0		.1		24	
AVERAGE				0		10		.6		27	

NO. 23 LACKAWANNA RIVER BELOW STANDPIPE OUTFALL

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970											Dry
May 20, 1970											Dry
June 15, 1970											Dry
July 13, 1970											Dry
Aug. 5, 1970											Dry
Aug. 28, 1970											Dry

DISCONTINUED SAMPLING EFF. AUGUST 31, 1970

AVERAGE

NO. 24 STANDPIPE OUTFALL

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970											Dry
May 20, 1970											Dry
June 15, 1970											Dry
July 13, 1970											Dry
Aug. 5, 1970											Dry
Aug. 28, 1970											Dry
Nov. 16, 1970											Dry

MONITOR QUARTERLY EFF. AUGUST 31, 1970

AVERAGE

NO. 25 STREAM WEST OF LACKAWANNA RIVER AT STATION 160

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970		Dry									
May 20, 1970		Dry									
June 15, 1970		Dry									
July 13, 1970		Dry									
Aug. 5, 1970		Dry									
Aug. 28, 1970		Dry									
Nov. 16, 1970			4.9	4		0		.1		16	
April 1, 1971			5.1	10		0		.1		40	
AVERAGE					7			.1		28	

NO. 26 STREAM EAST OF LACKAWANNA RIVER AT STATION 161

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970		Dry									
May 20, 1970		Dry									
June 15, 1970		Dry									
July 13, 1970		Dry									
Aug. 5, 1970		Dry									
Aug. 28, 1970		Dry									
Nov. 16, 1970		Dry									

MONITOR QUARTERLY EFF. AUGUST 31, 1970

AVERAGE

NO. 27 LACKAWANNA RIVER BELOW GREY SLOPE

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970			6.2	0		6		.4			36
May 20, 1970			6.0	0		0		2.4			6
June 15, 1970			6.6	0		14		.1			16
Aug. 5, 1970			6.6	0		10		2.5			36
Nov. 16, 1970			6.6	0		0		.1			24
Dec. 28, 1970			6.7	0		14		.4			22
Feb. 20, 1971			6.2	0		6		.4			32
April 1, 1971			6.4	20		0		.1			44
AVERAGE					3		6		.8		27

NO. 28 GREY SLOPE OUTFALL

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970	.88	397	4.8	10	47	0	0	.3	3	60	297
May 20, 1970	1.03	462	4.7	14	77	0	0	.3	2	145	835
June 15, 1970	.08	34	5.2	10	4	0	0	.1	0	58	25
July 13, 1970		Dry									
Aug. 5, 1970	Very Low Flow		5.0	2		0	0			64	
Aug. 28, 1970		Dry									
Sept. 21, 1970		Dry									
Nov. 16, 1970	1.75	784	4.6	10	94	0	0	.1	2	32	313
Dec. 28, 1970	.42	193	4.4	6	14	0	0	.1	0	60	144
Feb. 20, 1971	2.43	1094	4.4	20	262	0	0	.4	8	70	955
April 1, 1971	1.22	533	4.8	14	91	0	0	.1	1	48	326
AVERAGE				11	74	0	0	.2	2	67	362

NO. 29 LACKAWANNA RIVER ABOVE GREY SLOPE

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970			6.5	0		6		.4		12	
June 15, 1970			6.7	0		14		.1		12	
Aug. 5, 1970			6.6	0		18		.9		20	
Nov. 16, 1970			6.7	0		10		.4		16	
Dec. 28, 1970			6.5	0		8		.5		38	
Feb. 20, 1971			6.0	0		6		.3		28	
April 1, 1971			6.5	0		0		.3		52	
AVERAGE				0		9		.4		25	

NO. 30 STREAM EAST OF LACKAWANNA RIVER AT STATION 200

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
June 15, 1970			5.3	12		0		.1		28	
July 13, 1970			6.1	0		94		.1		72	
Aug. 28, 1970			6.1	0		4		.1		170	
Sept. 21, 1970			5.9	0		0		.3		56	
Nov. 16, 1970			5.8	0		4		.1		70	
Dec. 28, 1970			4.7	0		4		.5		28	
April 1, 1971			6.0	6		0		.1		40	
AVERAGE				3		15		.2		66	

NO. 31 LACKAWANNA RIVER BELOW VANDLING OUTFALL

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970			5.6	0		0		.1		68	
May 20, 1970			6.1	0		0		.5		42	
June 15, 1970			6.6	0		4		.1		36	
July 13, 1970			6.5	0		20		6.5		16	
Aug. 5, 1970			6.8	0		18		.1		48	
Aug. 28, 1970			6.4	0		24		.1		36	
Nov. 16, 1970			6.4	0		8		.5		28	
Dec. 28, 1970			6.2	4		0		.1		32	
Feb. 20, 1971			5.5	0		0		.8		32	
April 1, 1971			5.5	16		0		.1		38	
AVERAGE					2		7		.9		42

NO. 32 VANDLING OUTFALL

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970	3.27	1469	4.8	4	70	0	0	.3	9	88	1612
May 20, 1970	4.26	1912	4.7	10	228	0	0	.3	12	110	2623
June 15, 1970	1.36	610	5.0	16	117	0	0	.1	1	68	517
July 13, 1970	.11	50	5.0	6	4	0	0	.1	0	92	57
Aug. 5, 1970	.21	94	4.7	6	7	0	0	.1	0	112	131
Aug. 28, 1970	.01	4	4.4	4	0	0	0	.8	0	140	7
Sept. 21, 1970		Dry									
Nov. 16, 1970	1.75	784	4.3	10	94	0	0	1.2	20	100	978
Dec. 28, 1970	1.19	533	4.2	8	51	0	0	.7	8	120	797
Feb. 20, 1971	3.27	1486	4.3	14	320	0	0	.3	10	44	1049
April 1, 1971	4.26	1912	4.7	20	457	0	0		4	105	2500
AVERAGE				10	148	0	0	.4	7	98	1026

NO. 33 LACKAWANNA RIVER ABOVE VANDLING OUTFALL

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970			6.0	0		10		.1		34	
May 20, 1970			6.4	0		10		.5		12	
June 15, 1970			6.5	0		14		.1		12	
July 13, 1970			6.3	0		16		.1		16	
Aug. 5, 1970			6.7	0		14		.1		42	
Aug. 28, 1970			6.2	0		14		.1		28	
Nov. 16, 1970			6.7	0		8		.1		16	
Dec. 28, 1970			6.1	0		8		.4		22	
Feb. 20, 1971			6.1	0		10		.3		20	
April 1, 1971			6.2	0		6		.4		22	
AVERAGE				0		11		.2		22	

NO. 34 STREAM EAST OF LACKAWANNA RIVER AT STATION 207

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
June 15, 1970			5.3	0		0		.1		56	
July 13, 1970	.01	4	4.8	0	0	0	0	.3	0	34	2
Aug. 28, 1970	.01	2	4.6	0	0	0	0	.1	0	42	1
AVERAGE	.01	3		0	0	0	0	.2	0	44	1

DISCONTINUED SAMPLING EFF. AUGUST 31, 1970

NO. 37 NORTH SPLIT OF STREAM AT STATION 210, 4,000' FROM LACKAWANNA RIVER

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970		Dry									
May 20, 1970		Dry									
June 15, 1970		Dry									
July 13, 1970		Dry									
Aug. 5, 1970		Dry									
Aug. 28, 1970		Dry									

DISCONTINUED SAMPLING EFF. AUGUST 31, 1970

AVERAGE

NO. 38 LACKAWANNA RIVER BELOW BROWDALE OUTFALL

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
June 15, 1970			6.7	0		20		.1		12	
July 13, 1970			6.5	0		20		.1		12	
Aug. 5, 1970			6.2	0		20		2.3		16	
Aug. 28, 1970			5.5	0		6		1.0		44	
Sept. 21, 1970			6.0	0		6		1.3		34	
Nov. 16, 1970			6.8	0		6		.1		24	
Dec. 28, 1970			6.3	0		14		.4		24	
Feb. 20, 1971			6.3	0		6		.1		24	
April 1, 1971			6.5	2		0		.8		32	
AVERAGE					0		11		.7		25

NO. 39 BROWDALE OUTFALL

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
June 15, 1970	.08	34	4.6	12	5	0	0	.1	0	58	25
July 13, 1970	.04	17	4.6	2	0	0	0	.1	0	64	14
Aug. 5, 1970	.14	70	4.8	6	5	0	0	.1	0	74	65
Aug. 28, 1970	.05	22	4.4	6	2	0	0	1.4	1	42	12
Sept. 21, 1970	.05	22	4.5	6	2	0	0	1.1	1	105	29
Nov. 16, 1970	3.58	1609	4.4	6	115	0	0	.1	3	60	1108
Dec. 28, 1970	.82	367	4.3	4	18	0	0	.3	2	38	174
Feb. 20, 1971	.75	338	4.3	18	73	0	0	.4	3	32	135
April 1, 1971	.63	284	4.3	6	20	0	0	.1	1	40	142
AVERAGE	.68	307		7	27	0	0	.4	1	57	167

NO. 40 LACKAWANNA RIVER ABOVE BROWDALE OUTFALL

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
June 15, 1970			6.5	0		16		.1		12	
July 13, 1970			6.4	0		6		.1		12	
Aug. 5, 1970			6.4	0		20		.1		16	
Aug. 28, 1970			6.2	0		10		.1		34	
Sept. 21, 1970			6.2	0		12		.1		42	
Nov. 16, 1970			6.7	0		10		.1		10	
Dec. 28, 1970			6.5	0		6		.1		28	
Feb. 20, 1971			6.2	0		6		.5		24	
April 1, 1971			6.0	2		0		.4		24	
AVERAGE				0		10		.2		22	

NO. 41 STREAM EAST OF LACKAWANNA RIVER AT STATION 244

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
June 15, 1970			6.3	0		0		1.0		16	
July 13, 1970	.53	236	6.4	0	0	6	17	.2	1	16	47
Aug. 28, 1970			6.4	0	0	2		.4		28	
Sept. 21, 1970			6.4	0	0	6		.6		28	
Nov. 16, 1970			5.7	4		0	0	.1		24	
Dec. 28, 1970			6.3	6		4		.1		38	
Feb. 20, 1971			5.9	0	0	0	0	.7		28	
April 1, 1971			6.1	2		0	0	.5		28	
AVERAGE	.53	236		2	0	2	4	.4	1	26	47

NO. 42 SOUTH BRANCH OF STREAM AT STATION 244

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
June 15, 1970			5.8	0		6		.1		16	
July 13, 1970			6.3	0		0		.1		20	
Aug. 28, 1970			5.8	0		0		.3		34	

DISCONTINUED SAMPLING EFF. AUGUST 31, 1970

AVERAGE				0	0	2		.2		23	
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NO. 45 OUTLET OF LAKE ERIE

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
June 15, 1970			5.8	0		0		.1		32	
July 13, 1970			5.6	0		0		.2		34	
Aug. 28, 1970			5.7	0		0		1.1		28	
Sept. 21, 1970			5.6	0		0		.3		16	
April 1, 1971			5.9	10		0		.4		38	

MONITOR QUARTERLY EFF. AUGUST 31, 1970

AVERAGE				2		0		.4		30	
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NO. 46 OUTLET OF TUSARA POND

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
June 15, 1970			5.1	4		0		.4		16	
July 13, 1970			5.3	0		0		.4		16	
Aug. 28, 1970			5.3	0		0		.3		20	

DISCONTINUED SAMPLING EFF. AUGUST 31, 1970

AVERAGE				1		0		.4		17	
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NO. 47 LACKAWANNA RIVER AT CONSOLIDATED WATER DAM

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970			6.1	0		4		.3			36
May 20, 1970			6.2	0		14		.4			20
June 15, 1970			6.8	0		14		.1			12
July 13, 1970			6.3	0		20		.1			12
Aug. 28, 1970			6.5	0		24		.1			20
Sept. 21, 1970			6.5	0		24		.5			36
Nov. 16, 1970			7.0	0		16		.1			10
Dec. 28, 1970			6.7	0		10		.4			16
Feb. 20, 1971			6.4	0		10		.3			32
April 1, 1971			6.5	0		0		.1			24
AVERAGE				0		14		.2			22

NO. 48 BRACE BROOK

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970			6.1	0		0		.2			20
June 15, 1970			6.1	0		0		.1			34
July 13, 1970			5.9	0		0		.1			44
Aug. 28, 1970			6.4	0		0		2.7			36
AVERAGE				0		0		.8			34

DISCONTINUED SAMPLING EFF. AUGUST 31, 1970

NO. 51 STREAM EAST OF LACKAWANNA RIVER AT STATION 325

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970		DRY									
May 20, 1970		DRY									
June 15, 1970		DRY									
July 13, 1970		DRY									
Aug. 5, 1970		DRY									
Aug. 28, 1970		DRY									

DISCONTINUED SAMPLING EFF. AUGUST 31, 1970

AVERAGE

NO. 52 STREAM EAST OF LACKAWANNA RIVER AT STATION 328

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970		DRY									
May 20, 1970		DRY									
June 15, 1970		DRY									
July 13, 1970		DRY									
Aug. 5, 1970		DRY									
Aug. 28, 1970		DRY									

DISCONTINUED SAMPLING EFF. AUGUST 31, 1970

AVERAGE

NO. 53 LACKAWANNA RIVER AT STATION 355

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
June 15, 1970			6.7	0		14		.5		16	
July 13, 1970			6.9	0		20		.1		12	
Aug. 28, 1970			6.9	0		24		.4		28	
AVERAGE				0		19		.3		19	

NO. 54 STREAM EAST OF LACKAWANNA RIVER AT STATION 379

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
May 4, 1970		DRY									
May 20, 1970		DRY									
June 15, 1970		DRY									
July 13, 1970		DRY									
Aug. 5, 1970		DRY									
Aug. 28, 1970		DRY									

DISCONTINUED SAMPLING EFF. AUGUST 31, 1970

AVERAGE

NO. 55 LACKAWANNA RIVER AT STATION 390 WOODEN STILLWATER DAM

DATE	FLOW C.F.S.	FLOW G.P.M.	PH	ACIDITY		ALKALINITY		TOTAL IRON		SULPHATES	
				CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY	CONC.	LBS./DAY
June 15, 1970			6.1	0		24		.1		20	
July 13, 1970			6.5	0		20		.1		12	
Aug. 28, 1970			6.9	0		24		.4		36	

DISCONTINUED SAMPLING EFF. AUGUST 31, 1970

AVERAGE				0		23		.2		23	
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