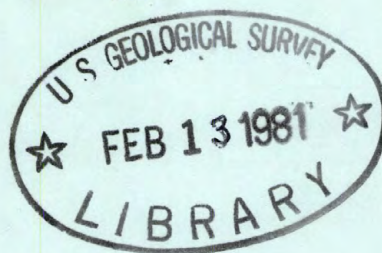


R
(200)
Ga 3
WEST VIRGINIA
1979
APPENDIX



Water Resources Data for West Virginia

Appendix – Coal Areas



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT WV-79-A
WATER YEAR 1979

CALENDAR FOR WATER YEAR 1979

1 9 7 8

O C T O B E R

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

N O V E M B E R

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

D E C E M B E R

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

1 9 7 9

J A N U A R Y

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

F E B R U A R Y

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

M A R C H

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

A P R I L

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

M A Y

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

J U N E

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

J U L Y

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

A U G U S T

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

S E P T E M B E R

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						



Water Resources Data for West Virginia

Appendix – Coal Areas

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT WV-79-A
WATER YEAR 1979

UNITED STATES DEPARTMENT OF THE INTERIOR

CECIL B. ANDRUS, Secretary

GEOLOGICAL SURVEY

H. William Menard, Director

For information on the water program in West Virginia write to
District Chief, Water Resources Division
U.S. Geological Survey
3017 Federal Building
Charleston, West Virginia 25301

1980

PREFACE

"Water Resources Data" reports are published annually by States. Chief Hydrologist Philip Cohen and Assistant Chief Hydrologist for Scientific Publications and Data Management, Robert J. Dingman, have general responsibility for this U.S. Geological Survey publication series.

"Water Resources Data for West Virginia, Water Year 1979," was prepared by personnel of the West Virginia District, Water Resources Division, U.S. Geological Survey, under the supervision of D. H. Appel, District Chief, and J. E. Biesecker, Regional Hydrologist, Northeastern Region.

Section I of this appendix to the "Water Resources Data of West Virginia" is published to meet the hydrologic data requirements of Public Law 95-87.

Section II of this appendix is published to make available the basic data collected for a project to study the hydrologic effects of deep mining in cooperation with the West Virginia Geological and Economic Survey.

REPORT DOCUMENTATION PAGE		1. REPORT NO. USGS/WRD/HD-80/014	2.	3. Recipient's Accession No.
4. Title and Subtitle Water Resources Data for West Virginia Water Year 1980 Appendix - Coal Areas			5. Report Date NOVEMBER 1980	
			6.	
7. Author(s)			8. Performing Organization Rept. No. USGS-WDR-79-A	
9. Performing Organization Name and Address U.S. Geological Survey, Water Resources Division 3017 Federal Building Charleston, West Virginia 25301			10. Project/Task/Work Unit No.	
			11. Contract(C) or Grant(G) No. (C) (G)	
12. Sponsoring Organization Name and Address U.S. Geological Survey, Water Resources Division 3017 Federal Building Charleston, West Virginia 25301			13. Type of Report & Period Covered Special - February 1976 to January 1980	
			14.	
15. Supplementary Notes Prepared in cooperation with the State of West Virginia and other agencies.				
16. Abstract (Limit: 200 words) Water resources data for the 1979 water year for coal regions of West Virginia consist of records of discharge and water quality of streams, wells, mines, and abandoned mine shafts; and water levels in wells and abandoned mine shafts. Section 1 consists of data obtained for the statewide Coal Hydrology Monitoring project and includes discharge and water-quality data collected during two sampling periods at 361 sites. Section 2 consists of data obtained for the Mining Effects Research project in five small basins in southwestern West Virginia during the period February 1976 to January 1980 and includes records of water quality for 53 stream sampling sites, 52 well sampling sites, 31 mine-discharge sampling sites, and 2 mine-shaft sampling sites; and water levels in 6 wells and 2 mine shafts.				
17. Document Analysis a. Descriptors *West Virginia, Hydrologic data, Surface water, Ground water, Water quality, Flow rate, Chemical analyses, Sediments, Water temperature, Water levels, Water analyses, Sampling sites. b. Identifiers/Open-Ended Terms c. COSATI Field/Group				
18. Availability Statement No restrictions on distribution. This report may be purchased from: National Technical Information Service Springfield, Virginia 22161		19. Security Class (This Report) UNCLASSIFIED		21. No. of Pages
		20. Security Class (This Page) UNCLASSIFIED		22. Price

CONTENTS

V

	Page
Preface.....	III
Introduction.....	1
Analyses of samples--Coal Hydrology Monitoring Project.....	3-195
North Atlantic Slope basin:	
Potomac River basin.....	4
Ohio River basin:	
Monongahela River basin.....	10
Small Ohio River tributary basins.....	52
Little Kanawha River basin.....	74
Kanawha River basin.....	96
Guyandotte River basin.....	154
Twelvepole Creek basin.....	176
Big Sandy River basin.....	182
Analyses of samples--Mining Effects Research Project.....	196-287
Ohio River basin:	
Guyandotte River:	
Allen Creek basin.....	197
Slab Fork:	
Marsh Fork basin.....	213
Still Run basin.....	227
Rockcastle Creek:	
Bearhole Fork basin.....	249
Clear Fork:	
Laurel Fork:	
Milam Fork basin.....	265

ILLUSTRATIONS

Figure	1. Map of West Virginia showing major drainage basins.....	3
	2-9. Maps showing location of sampling sites in:	
	2. Potomac River basin.....	4
	3. Monongahela River basin.....	10
	4. Small Ohio River tributary basins.....	52
	5. Little Kanawha River basin.....	74
	6. Kanawha River basin.....	96
	7. Guyandotte River basin.....	154
	8. Twelvepole Creek basin.....	176
	9. Big Sandy River basin.....	182
	10. Map showing location of sites in mining effects research project.....	196
	11-15. Maps showing location of sampling sites in:	
	11. Allen Creek basin.....	197
	12. Marsh Fork basin.....	213
	13. Still Run basin.....	227
	14. Bearhole Fork basin.....	249
	15. Milam Fork basin.....	265

TABLES

Tables 1-8.	Name, location, and drainage area for sites in:	
	1. Potomac River basin.....	5
	2. Monongahela River basin.....	11
	3. Small Ohio River tributary basins.....	53
	4. Little Kanawha River basin.....	75
	5. Kanawha River basin.....	97
	6. Guyandotte River basin.....	155
	7. Twelvepole Creek basin.....	177
	8. Big Sandy River basin.....	183

INTRODUCTION

Water resources data for the 1979 water year for West Virginia consists of records of stage, discharge, and water quality of streams and springs; stage and contents of lakes and reservoirs; quality and levels of ground water. These records for water year 1979 have been published in U.S. Geological Survey Water Data Report WV-79-1. Starting with water year 1979 this separate appendix that contains data specifically related to coal-resources areas is being published.

Public Law 95-87, the "Surface Mining Control and Reclamation Act of 1977," signed into law on August 3, 1977, initiated a need for water-resources information and analysis on a scale never before required nationally. In recognizing the potentially adverse impacts that mining of coal may have on water resources, the law requires that each mining-permit applicant make an analysis of the potential effects of the proposed mine on the hydrology of the mine site and adjacent area. The law also requires that "an appropriate Federal or State agency" provide to each mining-permit applicant "hydrologic information on the general area prior to mining." The Water Resources Division of the U.S. Geological Survey was funded directly by the Congress to acquire, interpret, and disseminate hydrologic data on the coal areas of the Nation. The data presented in the first section of this appendix were collected specifically to meet the requirements of this law and to establish a data base from which hydrologically significant changes can be monitored.

The data presented in the second section of this appendix were collected from selected small stream basins in southern West Virginia. These data were used to prepare an interpretive report describing the effects of deep and surface coal mining on the hydrologic environment of small-stream basins in southern West Virginia. This investigation was a cooperative effort between the West Virginia Geological and Economic Survey and the U.S. Geological Survey.

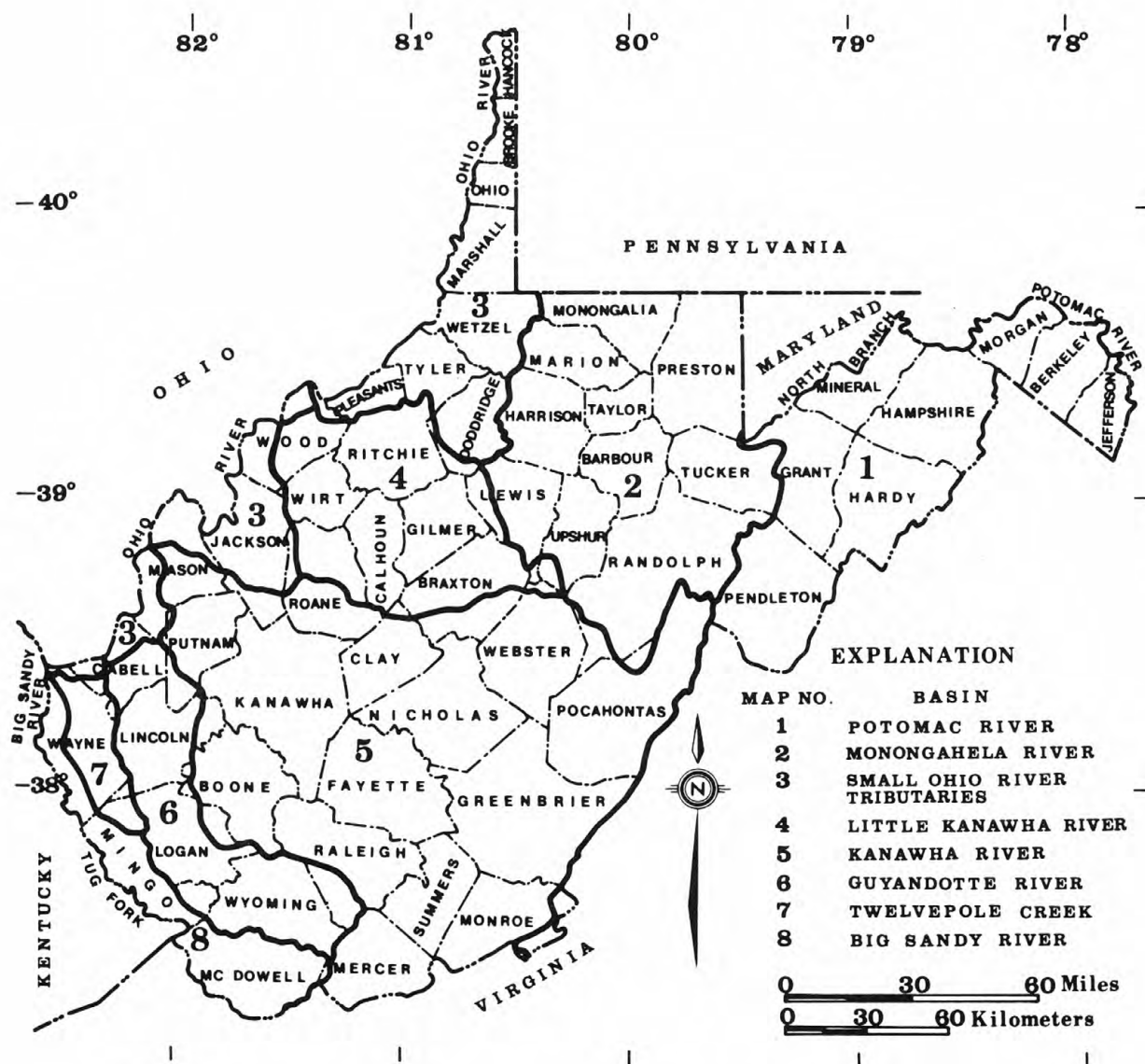
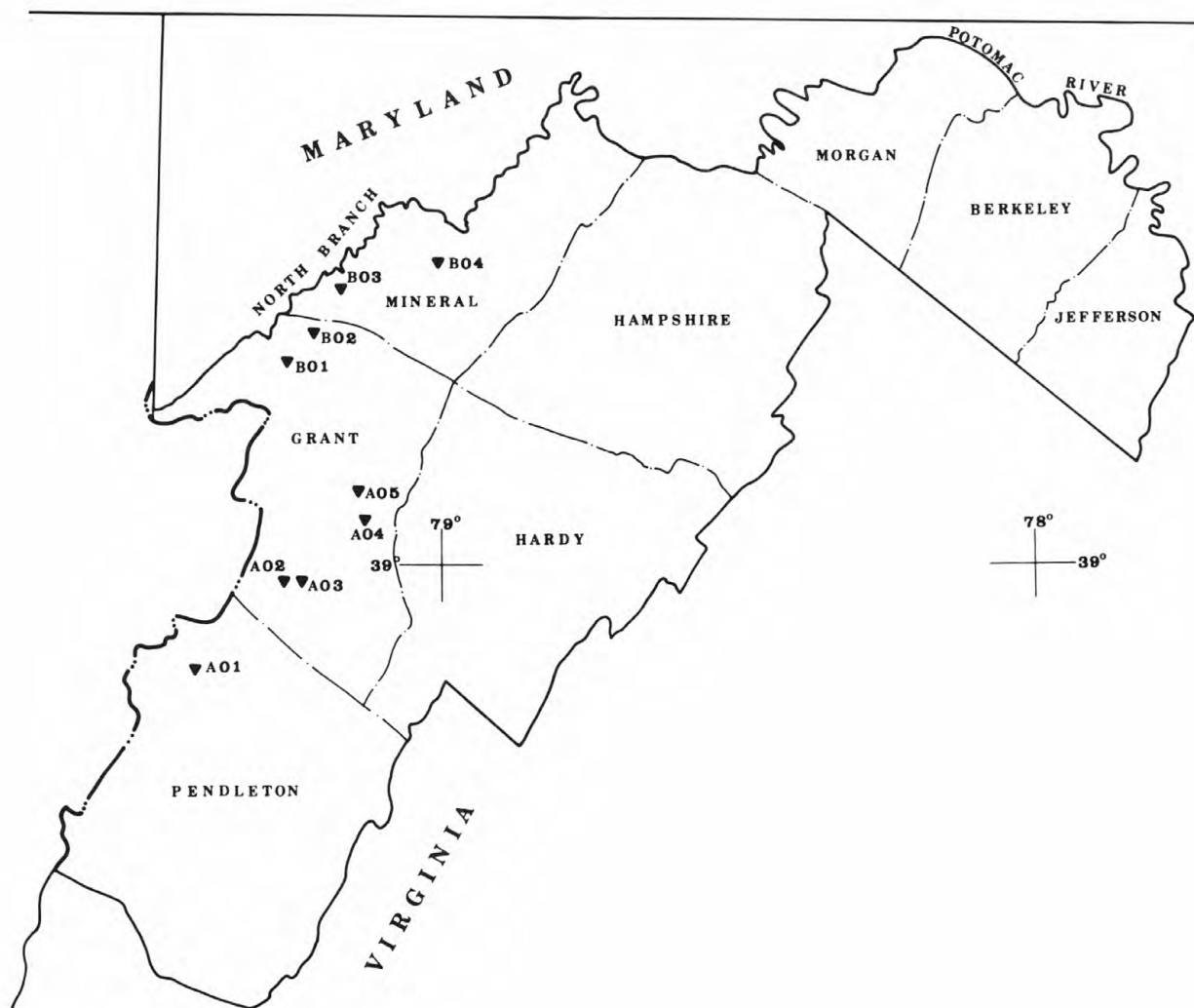


FIGURE 1.--MAP OF WEST VIRGINIA SHOWING MAJOR DRAINAGE BASINS

PENNSYLVANIA



EXPLANATION

▼ A01 Stream sampling site

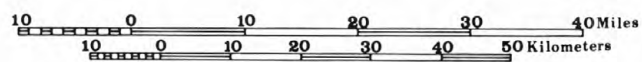


FIGURE 2.--LOCATION OF SAMPLING SITES
IN THE POTOMAC RIVER BASIN

Table 1.--Name, location, and drainage area for sites in the Potomac River basin.

Local No.	Name	County	Drain. Area (Mi ²)	Data Begins Page No.
A01.0	Roaring Creek	Pendleton	13.7	6
A02.0	Jordan Run	Grant	19.9	"
A03.0	N Fk So Br Potomac R	"	314.	"
A04.0	S Fk Lunice Creek	"	24.1	"
A05.0	N Fk Lunice Creek	"	26.0	"
B01.0	Stony River	"	48.8	"
B02.0	Abram Creek	"	21.8	"
B03.0	Abram Creek	Mineral	42.4	"
B04.0	New Creek	"	40.6	"

NORTH ATLANTIC SLOPE BASIN

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L AS CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
------	------	---	--	---------------	-----------------------------	--	--	--	----------------------------------	--

POTOMAC RIVER BASIN

385122079245639 - A01.0ROARING CR @ HWY 5/1 BR @ ONEGO WV LAT 38 51 22 LONG 079 24 56

APR . 1979

18... 1315 37 105 7.7 5.2 32 11 .0 .0 11

SEP

10... 1900 16 70 7.1 16.0 39 5 .0 .0 13

385908079155939 - A02.0JORDAN RUN @ HWY 28/7 BR @ HOPEVILLE GAP WV LAT 38 59 08 LONG 079 15 59

APR . 1979

18... 0900 19 60 8.6 8.0 27 7 .0 .0 8.2

SEP

10... 1735 10 90 7.6 19.0 34 3 .0 .0 10

385905079141039 - A03.0N FK SO BR POTOMAC R @ CABINS WV LAT 38 59 05 LONG 079 14 10

APR . 1979

18... 0745 457 105 8.7 7.5 50 11 .0 .0 17

SEP

10... 1645 340 140 8.0 18.0 58 7 .0 .0 19

390406079073039 - A04.0S FK LUNICE CR @ HWY 42 BR @ ARTHUR WV LAT 39 04 06 LONG 079 07 30

APR . 1979

18... 1040 28 85 8.4 9.0 38 15 .0 .0 11

SEP

10... 1515 11 155 7.9 21.0 60 14 .0 .0 15

390523079080739 - A05.0N FK LUNICE CR @ HWY 5/9 BR NR ARTHUR WV LAT 39 05 23 LONG 079 08 07

APR . 1979

18... 1135 40 105 8.7 11.0 49 16 .0 .0 15

SEP

10... 1415 16 185 8.2 23.5 79 16 .0 .0 23

391610079154539 - B01.0STONY RIVER NR MOUNT STORM WV LAT 39 16 10 LONG 079 15 45

APR . 1979

18... 1600 131 125 5.2 14.0 43 41 .3 -- 13

SEP

10... 1345 233 110 4.8 23.5 39 37 .0 .0 12

391843079124239 - B02.0ABRAM CR @ HWY 50 BR NR MOUNT STORM WV LAT 39 18 43 LONG 079 12 42

APR . 1979

18... 1500 32 345 4.3 11.0 130 130 .8 40 34

SEP

10... 1200 30 350 4.6 14.0 130 130 .0 .0 34

392202079104439 - B03.0ABRAM CR @ OAKMONT WV LAT 39 22 02 LONG 079 10 44

APR . 1979

18... 1400 66 245 5.6 10.5 110 100 .5 -- 27

SEP

10... 1045 58 265 5.2 13.0 97 95 .0 .0 26

392341079004439 - B04.0NEW CR @ HWY 7 BR @ NEW CREEK WV LAT 39 23 41 LONG 079 00 44

APR . 1979

17... 1720 43 120 8.9 11.0 61 21 .0 .0 19

SEP

10... 0900 40 195 7.5 14.0 71 17 .0 .0 22

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

POTOMAC RIVER BASIN--Continued

385122079245639 - A01.0ROARING CR @ HWY 5/1 BR @ ONEGO WV LAT 38 51 22 LONG 079 24 56

APR , 1979									
18...	1.2	--	--	21	--	11	.8	51	.07
SEP									
10...	1.5	.4	.0	26	5.3	8.8	.6	51	.07

385908079155939 - A02.0JORDAN RUN @ HWY 28/7 BR @ HOPEVILLE GAP WV LAT 38 59 08 LONG 079 15 59

APR , 1979									
18...	1.5	--	--	20	--	8.5	1.0	44	.06
SEP									
10...	2.2	.7	.1	23	1.5	7.8	.7	61	.08

385905079141039 - A03.0N FK SO BR POTOMAC R @ CABINS WV LAT 38 59 05 LONG 079 14 10

APR , 1979									
18...	1.9	--	--	39	--	12	1.8	73	.10
SEP									
10...	2.5	1.0	.1	51	1.0	9.1	1.5	84	.11

390406079073039 - A04.0S FK LUNICE CR @ HWY 42 BR @ ARTHUR WV LAT 39 04 06 LONG 079 07 30

APR , 1979									
18...	2.5	--	--	23	--	15	1.2	58	.08
SEP									
10...	5.5	2.3	.1	46	1.1	19	1.7	86	.12

390523079080739 - A05.0N FK LUNICE CR @ HWY 5/9 BR NR ARTHUR WV LAT 39 05 23 LONG 079 08 07

APR , 1979									
18...	2.7	--	--	33	--	16	2.0	77	.10
SEP									
10...	5.2	2.3	.1	63	.8	18	2.2	110	.15

391610079154539 - B01.0STONY RIVER NR MOUNT STORM WV LAT 39 16 10 LONG 079 15 45

APR , 1979									
18...	2.5	--	--	2	--	51	1.7	278	.38
SEP									
10...	2.2	.8	.1	1	62	39	1.1	59	.08

391843079124239 - B02.0ABRAM CR @ HWY 50 BR NR MOUNT STORM WV LAT 39 18 43 LONG 079 12 42

APR , 1979									
18...	12	--	--	3	--	170	5.3	87	.12
SEP									
10...	11	4.6	.2	0	98	140	3.5	250	.34

392202079104439 - B03.0ABRAM CR @ OAKMONT WV LAT 39 22 02 LONG 079 10 44

APR , 1979									
18...	9.3	--	--	3	--	120	5.3	207	.28
SEP									
10...	7.9	4.1	.2	2	25	96	4.4	180	.24

392341079004439 - B04.0NEW CR @ HWY 7 BR @ NEW CREEK WV LAT 39 23 41 LONG 079 00 44

APR , 1979									
17...	3.2	--	--	40	--	20	6.4	89	.12
SEP									
10...	3.9	5.1	.3	54	3.3	16	6.6	112	.15

NORTH ATLANTIC SLOPE BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--	--

POTOMAC RIVER BASIN--Continued

385122079245639 - A01.0ROARING CR @ HWY 5/1 BR @ ONEGO WV LAT 38 51 22 LONG 079 24 56

APR , 1979									
18...	5.09	--	--	--	--	--	140	110	30
SEP									
10...	2.20	0	<10	<10	10	<10	60	--	10

385908079155939 - A02.0JORDAN RUN @ HWY 28/7 BR @ HOPEVILLE GAP WV LAT 38 59 08 LONG 079 15 59

APR , 1979									
18...	2.26	--	--	--	--	--	100	100	0
SEP									
10...	1.75	0	<10	<10	<10	10	150	--	20

385905079141039 - A03.0N FK SO BR POTOMAC R @ CABINS WV LAT 38 59 05 LONG 079 14 10

APR , 1979									
18...	90.1	--	--	--	--	--	50	50	0
SEP									
10...	77.1	0	<10	<10	<10	<10	130	--	10

390406079073039 - A04.0S FK LUNICE CR @ HWY 42 BR @ ARTHUR WV LAT 39 04 06 LONG 079 07 30

APR , 1979									
18...	4.38	--	--	--	--	--	60	60	0
SEP									
10...	2.58	0	<10	<10	10	<10	90	--	10

390523079080739 - A05.0N FK LUNICE CR @ HWY 5/9 BR NR ARTHUR WV LAT 39 05 23 LONG 079 08 07

APR , 1979									
18...	8.32	--	--	--	--	--	110	110	0
SEP									
10...	4.75	0	<10	10	10	10	190	--	30

391610079154539 - B01.0STONY RIVER NR MOUNT STORM WV LAT 39 16 10 LONG 079 15 45

APR , 1979									
18...	98.3	--	--	--	--	--	2900	1100	1800
SEP									
10...	37.1	0	<10	10	20	20	1700	--	970

391843079124239 - B02.0ABRAM CR @ HWY 50 BR NR MOUNT STORM WV LAT 39 18 43 LONG 079 12 42

APR , 1979									
18...	7.52	--	--	--	--	--	1900	300	1600
SEP									
10...	20.8	0	<10	10	20	10	1400	--	590

392202079104439 - B03.0ABRAM CR @ OAKMONT WV LAT 39 22 02 LONG 079 10 44

APR , 1979									
18...	36.9	--	--	--	--	--	1400	890	510
SEP									
10...	28.2	0	<10	<10	30	10	650	--	170

392341079004439 - B04.0NEW CR @ HWY 7 BR @ NEW CREEK WV LAT 39 23 41 LONG 079 00 44

APR , 1979									
17...	10.3	--	--	--	--	--	50	40	10
SEP									
10...	12.1	0	<10	10	<10	20	220	--	40

NORTH ATLANTIC SLOPE BASIN

9

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	--	--	---	--

POTOMAC RIVER BASIN--Continued

385122079245639 - A01.0ROARING CR @ HWY 5/1 BR @ ONEGO WV LAT 38 51 22 LONG 079 24 56

APR , 1979									
18...	--	--	0	0	0	--	--	--	--
SEP									
10...	50	12000	0	0	0	720	.00	0	70

385908079155939 - A02.0JORDAN RUN @ HWY 28/7 BR @ HOPEVILLE GAP WV LAT 38 59 08 LONG 079 15 59

APR , 1979									
18...	--	--	10	10	0	--	--	--	--
SEP									
10...	20	12000	10	0	10	540	.00	0	50

385905079141039 - A03.0N FK SO BR POTOMAC R @ CABINS WV LAT 38 59 05 LONG 079 14 10

APR , 1979									
18...	--	--	0	0	0	--	--	--	--
SEP									
10...	<10	10000	10	10	0	260	.00	0	40

390406079073039 - A04.0S FK LUNICE CR @ HWY 42 BR @ ARTHUR WV LAT 39 04 06 LONG 079 07 30

APR , 1979									
18...	--	--	0	0	0	--	--	--	--
SEP									
10...	10	9200	10	10	0	300	.00	0	30

390523079080739 - A05.0N FK LUNICE CR @ HWY 5/9 BR NR ARTHUR WV LAT 39 05 23 LONG 079 08 07

APR , 1979									
18...	--	--	0	0	0	--	--	--	--
SEP									
10...	10	9700	20	20	0	240	.00	0	50

391610079154539 - B01.0STONY RIVER NR MOUNT STORM WV LAT 39 16 10 LONG 079 15 45

APR , 1979									
18...	--	--	470	0	480	--	--	--	--
SEP									
10...	<10	28000	850	30	820	450	.00	0	50

391843079124239 - B02.0ABRAM CR @ HWY 50 BR NR MOUNT STORM WV LAT 39 18 43 LONG 079 12 42

APR , 1979									
18...	--	--	3200	300	2900	--	--	--	--
SEP									
10...	<10	28000	2600	0	2700	260	.00	0	40

392202079104439 - B03.0ABRAM CR @ OAKMONT WV LAT 39 22 02 LONG 079 10 44

APR , 1979									
18...	--	--	1900	100	1800	--	--	--	--
SEP									
10...	<10	18000	1700	0	1800	590	.00	0	90

392341079004439 - B04.0NEW CR @ HWY 7 BR @ NEW CREEK WV LAT 39 23 41 LONG 079 00 44

APR , 1979									
17...	--	--	0	0	0	--	--	--	--
SEP									
10...	30	13000	170	160	7	590	.00	0	70

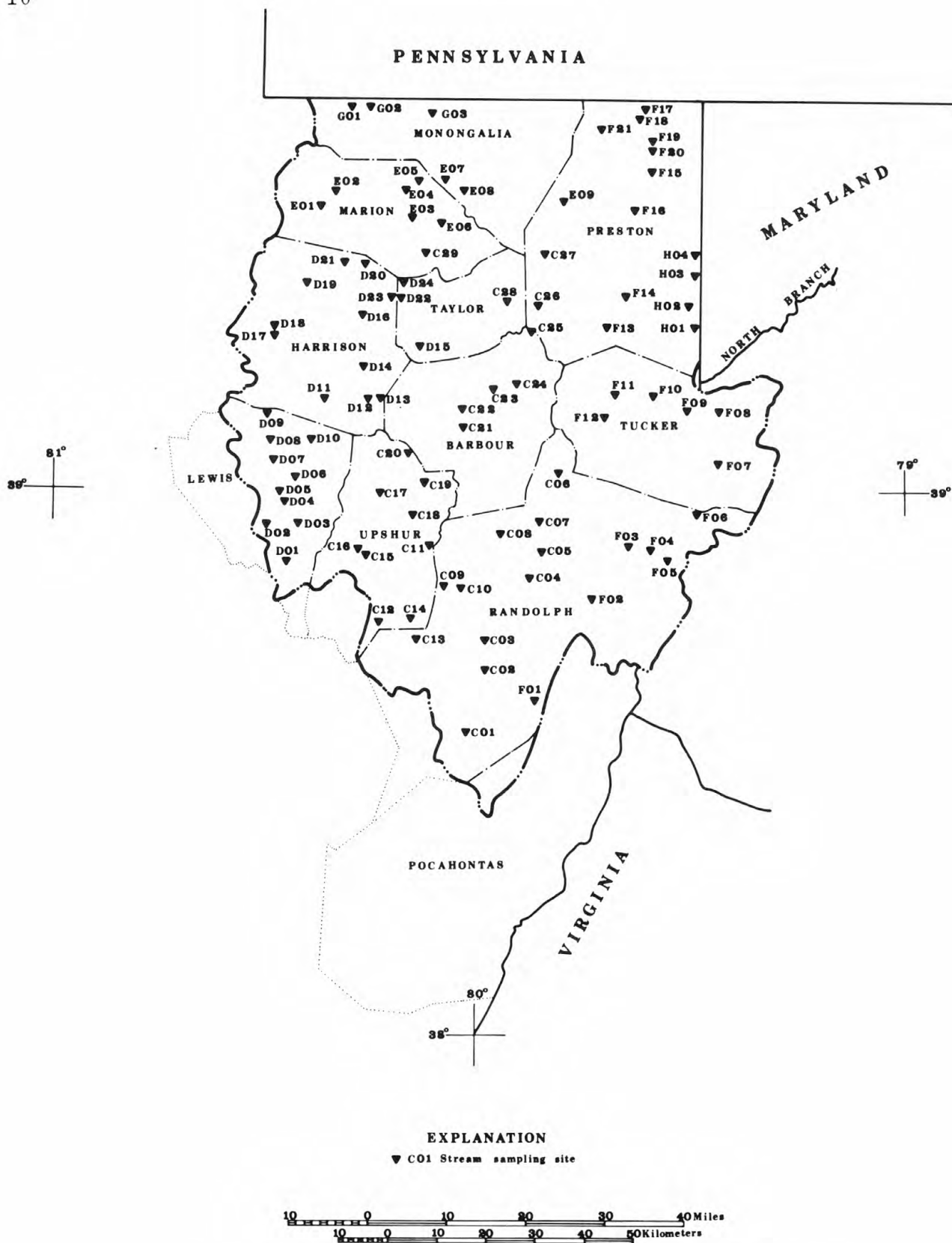


FIGURE 3.--LOCATION OF SAMPLING SITES IN
THE MONONGAHELA RIVER BASIN

Table 2.--Name, location, and drainage area for sites in the Monongahela River basin.

Local No.	Name	County	Drain. Area (Mi ²)	Data Begins Page No.	Local No.	Name	County	Drain. Area (Mi ²)	Data Begins Page No.
C01.0	Tygart Valley River	Randolph	38.2	12	D17.0	Tenmile	Harrison	15.9	32
C02.0	Becky Creek	"	13.2	"	D18.0	Salem Creek	"	16.4	"
C03.0	Mill Creek	"	16.1	"	D19.0	Little Tenmile Creek	"	25.6	"
C04.0	Files Creek	"	20.8	"	D20.0	West Fork River	"	759.	"
C05.0	Chenoweth Creek	"	18.9	"	D21.0	Bingamon Creek	"	32.3	"
C06.0	Leading Creek	"	18.1	"	D22.0	Corbin Branch	Taylor	8.47	"
C07.0	Leading Creek	"	47.7	"	D23.0	Thomas Fork	Harrison	4.50	"
C08.0	Roaring Creek	"	29.0	"	D24.0	Hustead Fork	Taylor	16.8	"
C09.0	Middle Fork River	"	41.3	"	E01.0	Buffalo Creek	Marion	29.5	"
C10.0	Cassity Fork	"	15.7	16	E02.0	Pyles Fork	"	18.5	36
C11.0	Right Fork	Upshur	30.0	"	E03.0	Buffalo Creek	"	115.	"
C12.0	R Fk Buckhannon R	"	25.4	"	E04.0	Pawpaw Creek	"	28.6	"
C13.0	L F R F Buckhannon R	Randolph	15.4	"	E05.0	Little Pawpaw Creek	"	7.41	"
C14.0	L F Buckhannon R	Upshur	27.4	"	E06.0	Pricketts Creek	"	22.0	"
C15.0	Laurel Fork	"	11.7	"	E07.0	Indian Creek	Monongalia	19.7	"
C16.0	French Creek	"	14.5	"	E08.0	Whiteday Creek	"	31.1	"
C17.0	Fink Run	"	14.6	"	E09.0	Deckers Creek	Preston	13.7	"
C18.0	Sand Run	"	14.3	"	F01.0	Shavers Fork	Randolph	60.3	"
C19.0	Sand Run	"	18.2	20	F02.0	Shavers Fork	"	115.	40
C20.0	Pecks Run	"	10.4	"	F03.0	Gladly Fork	"	39.8	"
C21.0	Little Laurel Run	Barbour	3.82	"	F04.0	Laurel Fork	"	46.4	"
C22.0	Tygart Valley River	"	916.	"	F05.0	Dry Fork	"	61.0	"
C23.0	Laurel Creek	"	49.4	"	F06.0	Red Creek	"	60.9	"
C24.0	Teter Creek	"	40.7	"	F07.0	Blackwater River	Tucker	10.0	"
C25.0	Sandy Creek	"	76.7	"	F08.0	Beaver Creek	"	20.2	"
C26.0	Little Sandy Creek	Preston	25.4	"	F09.0	N Fk Blackwater River	"	13.6	"
C27.0	Three Fork Creek	"	40.8	"	F10.0	Horseshoe Run	"	36.9	"
C28.0	Three Fork Creek	Taylor	90.4	24	F11.0	Minear Run	"	11.9	44
C29.0	Tygart Valley River	Marion	1,366.	"	F12.0	Clover Run	"	28.6	"
D01.0	West Fork River	Lewis	28.9	"	F13.0	Buffalo Creek	Preston	12.2	"
D02.0	West Fork River	"	54.9	"	F14.0	Saltlick Creek	"	34.6	"
D03.0	Skin Creek	"	10.9	"	F15.0	Muddy Creek	"	15.2	"
D04.0	Skin Creek	"	32.0	"	F16.0	Muddy Creek	"	33.2	"
D05.0	West Fork River	"	102.	"	F17.0	Big Sandy Creek	"	89.2	"
D06.0	Stonecoal Creek	"	36.4	"	F18.0	Glade Run	"	4.94	"
D07.0	Polk Creek	"	11.0	"	F19.0	Little Sandy Creek	"	28.9	"
D08.0	Freemans Creek	"	22.4	28	F20.0	Beaver Creek	"	12.3	48
D09.0	Kincheloe Creek	"	16.6	"	F21.0	Laurel Run	"	20.2	"
D10.0	Hackers Creek	"	31.2	"	G01.0	West Virginia Fork	Monongalia	24.0	"
D11.0	Lost Creek	Harrison	13.1	"	G02.0	Miracle Run	"	20.5	"
D12.0	Gnatty Creek	"	32.7	"	G03.0	Dolls Run	"	11.0	"
D13.0	Elk Creek	"	32.7	"	H01.0	Maple Run	Preston	7.10	"
D14.0	Brushy Fork	"	20.2	"	H02.0	Rhine Creek	"	7.70	"
D15.0	Simpson Creek	Taylor	33.4	"	H03.0	Laurel Run	"	9.41	"
D16.0	Simpson Creek	Harrison	65.5	"	H04.0	Snowy Creek	"	19.0	"

OHIO RIVER BASIN

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
MONONGAHELA RIVER BASIN										
383309080021539 - C01.0TYGART VLY R @ HWY 15 BR @ VALLEY HEAD WV LAT 38 33 09 LONG 080 02 15										
APR , 1979										
18...	0915	54	100	7.4	5.5	42	2	.0	.0	14
SEP										
13...	1050	17	115	8.3	18.0	61	4	.0	.0	21
383936079585339 - C02.0BECKY CR @ HWY 56 BR NR HUTTONSVILLE WV LAT 38 39 36 LONG 079 58 53										
APR , 1979										
18...	0820	12	105	7.1	5.5	31	7	.0	.0	10
SEP										
13...	0940	5.1	75	8.2	18.0	42	10	.0	.0	14
384401079584939 - C03.0MILL CR @ HWY 46 BR @ MILL CREEK WV LAT 38 44 01 LONG 079 58 49										
APR , 1979										
18...	0710	28	55	6.6	4.0	11	6	.0	.0	2.9
SEP										
13...	1245	12	10	6.8	17.0	13	4	.0	.0	3.7
385015079523339 - C04.0FILES CR @ HWY 219 BR @ BEVERLY WV LAT 38 50 15 LONG 079 52 33										
APR , 1979										
19...	1735	24	50	7.3	12.5	19	0	.0	.0	5.8
SEP										
12...	1710	10	45	7.0	20.0	24	8	.0	.0	7.6
385342079512439 - C05.0CHENOWETH CR @ HWY 23 BR @ ELKINS AIRPORT LAT 38 53 42 LONG 079 51 24										
APR , 1979										
19...	1645	15	75	8.6	15.5	24	8	.0	.0	7.5
SEP										
12...	1600	9.5	75	7.6	22.0	35	9	.0	.0	11
390134079491139 - C06.0LEADING CR @ HWY 3 BR NR KERNS WV LAT 39 01 34 LONG 079 49 11										
APR , 1979										
20...	0645	21	50	7.0	7.0	11	4	.0	.0	2.7
SEP										
12...	0800	6.0	35	7.1	18.0	19	5	.0	.0	5.3
385646079512439 - C07.0LEADING CR @ HWY 219 BR @ ELKINS WV LAT 38 56 46 LONG 079 51 24										
APR , 1979										
20...	0730	47	50	6.8	8.0	12	0	.0	.0	2.9
SEP										
11...	1900	20	40	6.8	20.0	20	10	.0	.0	5.4
385605079570039 - C08.0ROARING CR @ HWY 21/1 BR @ NORTON WV LAT 38 56 05 LONG 079 57 00										
APR , 1979										
18...	1620	36	200	3.6	9.5	40	40	.7	35	8.4
SEP										
12...	1430	19	255	3.6	18.5	52	52	.8	40	12
384905080024139 - C09.0MIDDLE FK R @ HWY 35 BR @ CASSITY WV LAT 38 49 05 LONG 080 02 41										
APR , 1979										
18...	1450	71	50	6.2	10.0	7	5	.0	.0	1.4
SEP										
13...	1500	25	5	7.3	19.0	8	4	.0	.0	1.9

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINIT- Y (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	---	---	---	---	--	---

MONONGAHELA RIVER BASIN--Continued

383309080021539 - C01.0TYGART VLY R @ HWY 15 BR @ VALLEY HEAD WV LAT 38 33 09 LONG 080 02 15

APR , 1979									
18...	1.6	--	--	40	--	8.4	2.3	55	.07
SEP									
13...	2.0	2.3	.1	57	.6	5.3	2.0	82	.11

383936079585339 - C02.0BECKY CR @ HWY 56 BR NR HUTTONSVILLE WV LAT 38 39 36 LONG 079 58 53

APR , 1979									
18...	1.5	--	--	24	--	8.2	1.2	46	.06
SEP									
13...	1.7	1.5	.1	32	.4	5.5	1.2	62	.08

384401079584939 - C03.0MILL CR @ HWY 46 BR @ MILL CREEK WV LAT 38 44 01 LONG 079 58 49

APR , 1979									
18...	.8	--	--	5	--	4.3	.4	22	.03
SEP									
13...	.8	.5	.1	9	2.8	3.1	.8	29	.04

385015079523339 - C04.0FILES CR @ HWY 219 BR @ BEVERLY WV LAT 38 50 15 LONG 079 52 33

APR , 1979									
19...	1.1	--	--	21	--	6.4	.9	33	.04
SEP									
12...	1.3	1.4	.1	16	3.1	5.8	1.0	42	.06

385342079512439 - C05.0CHENOWETH CR @ HWY 23 BR @ ELKINS AIRPORT LAT 38 53 42 LONG 079 51 24

APR , 1979									
19...	1.3	--	--	16	--	9.5	3.0	43	.06
SEP									
12...	1.9	3.1	.2	27	1.3	9.8	2.9	61	.08

390134079491139 - C06.0LEADING CR @ HWY 3 BR NR KERNS WV LAT 39 01 34 LONG 079 49 11

APR , 1979									
20...	1.1	--	--	7	--	7.1	1.9	30	.04
SEP									
12...	1.4	2.4	.2	14	2.2	6.4	2.6	41	.06

385646079512439 - C07.0LEADING CR @ HWY 219 BR @ ELKINS WV LAT 38 56 46 LONG 079 51 24

APR , 1979									
20...	1.2	--	--	15	--	7.3	1.7	28	.04
SEP									
11...	1.6	2.3	.2	15	3.1	7.0	2.2	42	.06

385605079570039 - C08.0ROARING CR @ HWY 21/1 BR @ NORTON WV LAT 38 56 05 LONG 079 57 00

APR , 1979									
18...	4.6	--	--	0	--	62	2.5	93	.13
SEP									
12...	5.3	1.6	.1	0	.0	74	1.8	143	.19

384905080024139 - C09.0MIDDLE FK R @ HWY 35 BR @ CASSITY WV LAT 38 49 05 LONG 080 02 41

APR , 1979									
18...	.8	--	--	2	--	5.4	.8	18	.02
SEP									
13...	.7	.8	.1	3	.4	6.7	1.1	22	.03

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--	--

MONONGAHELA RIVER BASIN--Continued

383309080021539 - C01.0TYGART VLY R @ HWY 15 BR @ VALLEY HEAD WV LAT 38 33 09 LONG 080 02 15

APR , 1979									
18...	8.02	--	--	--	--	--	80	0	260
SEP									
13...	3.76	0	<10	10	10	10	70	--	0

383936079585339 - C02.0BECKY CR @ HWY 56 BR NR HUTTONSVILLE WV LAT 38 39 36 LONG 079 58 53

APR , 1979									
18...	1.49	--	--	--	--	--	120	30	90
SEP									
13...	.87	0	<10	10	10	10	60	--	10

384401079584939 - C03.0MILL CR @ HWY 46 BR @ MILL CREEK WV LAT 38 44 01 LONG 079 58 49

APR , 1979									
18...	1.66	--	--	--	--	--	80	50	30
SEP									
13...	.99	0	<10	<10	10	<10	120	--	40

385015079523339 - C04.0FILES CR @ HWY 219 BR @ BEVERLY WV LAT 38 50 15 LONG 079 52 33

APR , 1979									
19...	2.14	--	--	--	--	--	90	40	50
SEP									
12...	1.21	0	<10	<10	<10	<10	110	--	40

385342079512439 - C05.0CHENOWETH CR @ HWY 23 BR @ ELKINS AIRPORT LAT 38 53 42 LONG 079 51 24

APR , 1979									
19...	1.74	--	--	--	--	--	170	50	120
SEP									
12...	1.57	0	<10	<10	<10	10	170	--	70

390134079491139 - C06.0LEADING CR @ HWY 3 BR NR KERNS WV LAT 39 01 34 LONG 079 49 11

APR , 1979									
20...	1.70	--	--	--	--	--	480	360	120
SEP									
12...	.66	0	<10	<10	10	10	890	--	190

385646079512439 - C07.0LEADING CR @ HWY 219 BR @ ELKINS WV LAT 38 56 46 LONG 079 51 24

APR , 1979									
20...	3.55	--	--	--	--	--	490	320	170
SEP									
11...	2.27	0	<10	<10	<10	<10	850	--	130

385605079570039 - C08.0ROARING CR @ HWY 21/1 BR @ NORTON WV LAT 38 56 05 LONG 079 57 00

APR , 1979									
18...	9.04	--	--	--	--	--	1900	200	1700
SEP									
12...	7.49	0	<10	<10	<10	<10	1400	--	950

384905080024139 - C09.0MIDDLE FK R @ HWY 35 BR @ CASSITY WV LAT 38 49 05 LONG 080 02 41

APR , 1979									
18...	3.45	--	--	--	--	--	60	10	50
SEP									
13...	1.52	0	<10	<10	<10	<10	110	--	30

OHIO RIVER BASIN

15

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	--	--	---	--

MONONGAHELA RIVER BASIN--Continued

383309080021539 - C01.0TYGART VLY R @ HWY 15 BR @ VALLEY HEAD WV LAT 38 33 09 LONG 080 02 15

APR , 1979									
18...	--	--	0	0	10	--	--	--	--
SEP									
13...	10	19000	240	240	1	580	.00	0	50

383936079585339 - C02.0BECKY CR @ HWY 56 BR NR HUTTONSVILLE WV LAT 38 39 36 LONG 079 58 53

APR , 1979									
18...	--	--	0	0	0	--	--	--	--
SEP									
13...	10	22000	500	500	2	870	.00	0	50

384401079584939 - C03.0MILL CR @ HWY 46 BR @ MILL CREEK WV LAT 38 44 01 LONG 079 58 49

APR , 1979									
18...	--	--	0	0	10	--	--	--	--
SEP									
13...	10	11000	10	4	6	220	.00	0	60

385015079523339 - C04.0FILES CR @ HWY 219 BR @ BEVERLY WV LAT 38 50 15 LONG 079 52 33

APR , 1979									
19...	--	--	0	0	0	--	--	--	--
SEP									
12...	20	7100	120	110	8	120	.00	0	20

385342079512439 - C05.0CHENOWETH CR @ HWY 23 BR @ ELKINS AIRPORT LAT 38 53 42 LONG 079 51 24

APR , 1979									
19...	--	--	0	0	10	--	--	--	--
SEP									
12...	40	8900	50	40	10	330	.00	0	50

390134079491139 - C06.0LEADING CR @ HWY 3 BR NR KERNS WV LAT 39 01 34 LONG 079 49 11

APR , 1979									
20...	--	--	40	10	30	--	--	--	--
SEP									
12...	20	19000	240	190	50	280	.00	0	50

385646079512439 - C07.0LEADING CR @ HWY 219 BR @ ELKINS WV LAT 38 56 46 LONG 079 51 24

APR , 1979									
20...	--	--	30	0	30	--	--	--	--
SEP									
11...	10	320	1800	1800	40	60	.00	0	10

385605079570039 - C08.0ROARING CR @ HWY 21 1/2 BR @ NORTON WV LAT 38 56 05 LONG 079 57 00

APR , 1979									
18...	--	--	770	0	790	--	--	--	--
SEP									
12...	10	20000	1100	0	1100	100	.00	0	10

384905080024139 - C09.0MIDDLE FK R @ HWY 35 BR @ CASSITY WV LAT 38 49 05 LONG 080 02 41

APR , 1979									
18...	--	--	20	10	10	--	--	--	--
SEP									
13...	20	6200	250	240	10	170	.00	0	30

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
------	------	---	--	---------------	-----------------------------	--	--	--	----------------------------------	--

MONONGAHELA RIVER BASIN--Continued

384933080020639 - C10.0CASSITY FK @ HWY 35 BR @ CASSITY WV LAT 38 49 33 LONG 080 02 06

APR , 1979										
18...	1525	22	210	3.9	10.5	44	44	8.0	397	7.6
SEP										
13...	1410	4.9	375	3.9	18.0	89	89	1.0	50	19

385346080065239 - C11.0RIGHT FK @ HWY 28/1 BR NR KEDRON WV LAT 38 53 46 LONG 080 06 52

APR , 1979										
19...	1520	38	<50	6.8	11.0	7	0	.0	.0	1.6
SEP										
12...	1415	17	50	6.8	17.0	10	4	.0	.0	2.7

384440080140939 - C12.0R F BUCKHANNON R @ HWY 48 BR @ NEWLONTON WV LAT 38 44 40 LONG 080 14 09

APR , 1979										
18...	1115	46	50	6.9	7.0	7	0	.0	.0	1.7
SEP										
13...	1000	18	<50	5.5	16.0	11	5	.0	.0	3.0

384352080084839 - C13.0L F R F BUCKHANNON R @ HWY 46 BR @ CZAR WV LAT 38 43 52 LONG 080 08 48

APR , 1979										
18...	1200	24	50	7.0	7.5	8	4	.0	.0	1.9
SEP										
13...	1100	11	<50	6.4	17.0	11	5	.0	.0	3.1

384517080093039 - C14.0L F BUCKHANNON R @ HWY 9 BR @ PALACE VLY WV LAT 38 45 17 LONG 080 09 30

APR , 1979										
18...	1320	60	50	6.8	8.5	10	4	.0	.0	2.5
SEP										
13...	1200	27	<50	6.4	18.0	12	9	.0	.0	2.8

385232080155239 - C15.0LAUREL FK @ HWY 20/10 BR NR ADRIAN, WV LAT 38 52 32 LONG 080 15 52

APR , 1979										
19...	0800	12	50	6.9	6.0	10	2	.0	.0	2.6
SEP										
12...	1130	5.0	60	7.1	18.0	15	7	.0	.0	4.3

385307080175339 - C16.0FRENCH CR @ HWY 20 BR @ FRENCH CREEK WV LAT 38 53 07 LONG 080 17 53

APR , 1979										
19...	0850	8.4	85	6.8	9.0	22	1	.0	.0	6.2
SEP										
12...	1045	3.8	100	7.2	17.5	30	6	.0	.0	8.4

385946080142139 - C17.0FINK RUN @ HWY 119 BR @ BUCKHANNON WV LAT 38 59 46 LONG 080 14 21

APR , 1979										
19...	1350	9.0	340	5.9	13.0	110	110	5.0	248	32
SEP										
12...	1600	4.7	325	6.4	21.5	120	110	.0	.0	35

385750080091039 - C18.0SAND RUN NR BUCKHANNON WV LAT 38 57 50 LONG 080 09 10

APR , 1979										
19...	0910	11	130	6.3	8.5	45	41	.0	.0	10
SEP										
12...	1300	6.3	195	6.8	18.5	65	57	.0	.0	15

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

MONONGAHELA RIVER BASIN--Continued

384933080020639 - C10.0CASSITY FK @ HWY 35 BR @ CASSITY WV LAT 38 49 33 LONG 080 02 06

APR , 1979									
18...	6.1	--	--	0	--	78	.9	111	.15
SEP									
13...	10	18	.8	0	.0	150	1.0	245	.33

385346080065239 - C11.0RIGHT FK @ HWY 28/1 BR NR KEDRON WV LAT 38 53 46 LONG 080 06 52

APR , 1979									
19...	.8	--	--	11	--	5.5	1.0	30	.04
SEP									
12...	.8	.9	.1	6	1.9	5.4	1.1	26	.04

384440080140939 - C12.0R F BUCKHANNON R @ HWY 48 BR @ NEWLONTON WV LAT 38 44 40 LONG 080 14 09

APR , 1979									
18...	.7	--	--	12	--	4.6	1.0	9	.01
SEP									
13...	.8	.9	.1	6	37	6.1	1.1	26	.04

384352080084839 - C13.0L F R F BUCKHANNON R @ HWY 46 BR @ CZAR WV LAT 38 43 52 LONG 080 08 48

APR , 1979									
18...	.7	--	--	4	--	4.1	2.6	25	.03
SEP									
13...	.9	1.7	.2	6	4.7	6.2	2.0	32	.04

384517080093039 - C14.0L F BUCKHANNON R @ HWY 9 BR @ PALACE VLY WV LAT 38 45 17 LONG 080 09 30

APR , 1979									
18...	1.0	--	--	6	--	6.2	1.8	24	.03
SEP									
13...	1.1	1.0	.1	3	2.3	8.5	1.2	26	.04

385232080155239 - C15.0LAUREL FK @ HWY 20/10 BR NR ADRIAN, WV LAT 38 52 32 LONG 080 15 52

APR , 1979									
19...	.8	--	--	8	--	5.8	2.5	26	.04
SEP									
12...	1.0	1.8	.2	8	1.2	5.6	3.1	38	.05

385307080175339 - C16.0FRENCH CR @ HWY 20 BR @ FRENCH CREEK WV LAT 38 53 07 LONG 080 17 53

APR , 1979									
19...	1.6	--	--	21	--	7.8	6.2	50	.07
SEP									
12...	2.1	4.1	.3	25	3.0	5.7	5.5	52	.07

385946080142139 - C17.0FINK RUN @ HWY 119 BR @ BUCKHANNON WV LAT 38 59 46 LONG 080 14 21

APR , 1979									
19...	8.3	--	--	2	--	140	7.1	223	.30
SEP									
12...	8.0	12	.5	13	7.0	110	6.4	207	.28

385750080091039 - C18.0SAND RUN NR BUCKHANNON WV LAT 38 57 50 LONG 080 09 10

APR , 1979									
19...	4.9	--	--	4	--	46	5.1	92	.13
SEP									
12...	6.8	4.1	.2	8	2.5	54	5.0	107	.15

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--	--

MONONGAHELA RIVER BASIN--Continued

384933080020639 - C10.0CASSITY FK @ HWY 35 BR @ CASSITY WV LAT 38 49 33 LONG 080 02 06

APR , 1979									
18...	6.59	--	--	--	--	--	4200	1000	3200
SEP									
13...	3.24	0	<10	<10	<10	<10	1100	--	370

385346080065239 - C11.0RIGHT FK @ HWY 28/1 BR NR KEDRON WV LAT 38 53 46 LONG 080 06 52

APR , 1979									
19...	3.08	--	--	--	--	--	110	10	100
SEP									
12...	1.25	0	<10	<10	<10	<10	320	--	80

384440080140939 - C12.0R F BUCKHANNON R @ HWY 48 BR @ NEWLONTON WV LAT 38 44 40 LONG 080 14 09

APR , 1979									
18...	1.12	--	--	--	--	--	100	40	60
SEP									
13...	1.28	0	<10	<10	<10	<10	260	--	100

384352080084839 - C13.0L F R F BUCKHANNON R @ HWY 46 BR @ CZAR WV LAT 38 43 52 LONG 080 08 48

APR , 1979									
18...	1.62	--	--	--	--	--	410	370	40
SEP									
13...	1.01	0	<10	<10	10	<10	280	--	50

384517080093039 - C14.0L F BUCKHANNON R @ HWY 9 BR @ PALACE VLY WV LAT 38 45 17 LONG 080 09 30

APR , 1979									
18...	3.89	--	--	--	--	--	190	140	50
SEP									
13...	1.91	0	<10	<10	<10	<10	170	--	30

385232080155239 - C15.0LAUREL FK @ HWY 20/10 BR NR ADRIAN, WV LAT 38 52 32 LONG 080 15 52

APR , 1979									
19...	.84	--	--	--	--	--	250	200	50
SEP									
12...	.52	0	<10	<10	<10	<10	450	--	140

385307080175339 - C16.0FRENCH CR @ HWY 20 BR @ FRENCH CREEK WV LAT 38 53 07 LONG 080 17 53

APR , 1979									
19...	1.13	--	--	--	--	--	670	460	210
SEP									
12...	.54	0	<10	<10	10	<10	1200	--	210

385946080142139 - C17.0FINK RUN @ HWY 119 BR @ BUCKHANNON WV LAT 38 59 46 LONG 080 14 21

APR , 1979									
19...	5.42	--	--	--	--	--	9700	8900	850
SEP									
12...	2.66	0	<10	<10	<10	<10	980	--	440

385750080091039 - C18.0SAND RUN NR BUCKHANNON WV LAT 38 57 50 LONG 080 09 10

APR , 1979									
19...	2.73	--	--	--	--	--	260	160	100
SEP									
12...	1.82	0	<10	<10	20	<10	280	--	40

OHIO RIVER BASIN

19

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	--	--	--	--

MONONGAHELA RIVER BASIN--Continued

384933080020639 - C10.0CASSITY FK @ HWY 35 BR @ CASSITY WV LAT 38 49 33 LONG 080 02 06

APR , 1979									
18...	--	--	1400	0	1500	--	?		
13...	20	15000	2800	0	2800	200	.00	0	50

385346080065239 - C11.0RIGHT FK @ HWY 28/1 BR NR KEDRON WV LAT 38 53 46 LONG 080 06 52

APR , 1979									
19...	--	--	50	20	30	--	--	--	--
SEP									
13...	20	15000	2800	0	2800	200	.00	0	50

385346080065239 - C11.0RIGHT FK @ HWY 28/1 BR NR KEDRON WV LAT 38 53 46 LONG 080 06 52

APR , 1979									
19...	--	--	50	20	30	--	--	--	--
SEP									
12...	<10	2300	110	50	60	280	.00	0	20

384440080140939 - C12.0R F BUCKHANNON R @ HWY 48 BR @ NEWLONTON WV LAT 38 44 40 LONG 080 14 09

APR , 1979									
18...	--	--	20	10	10	--	--	--	--
SEP									
13...	10	5400	140	120	20	280	.00	0	40

384352080084839 - C13.0L F R F BUCKHANNON R @ HWY 46 BR @ CZAR WV LAT 38 43 52 LONG 080 08 48

APR , 1979									
18...	--	--	0	0	10	--	--	--	--
SEP									
13...	20	11000	160	150	10	470	.00	0	70

384517080093039 - C14.0L F BUCKHANNON R @ HWY 9 BR @ PALACE VLY WV LAT 38 45 17 LONG 080 09 30

APR , 1979									
18...	--	--	20	0	30	--	--	--	--
SEP									
13...	40	6600	250	240	10	520	.00	0	30

385232080155239 - C15.0LAUREL FK @ HWY 20/10 BR NR ADRIAN, WV LAT 38 52 32 LONG 080 15 52

APR , 1979									
19...	--	--	0	0	10	--	--	--	--
SEP									
12...	10	2900	90	60	30	70	.00	0	10

385307080175339 - C16.0FRENCH CR @ HWY 20 BR @ FRENCH CREEK WV LAT 38 53 07 LONG 080 17 53

APR , 1979									
19...	--	--	90	0	110	--	--	--	--
SEP									
12...	110	8400	170	0	170	310	.00	0	110

385946080142139 - C17.0FINK RUN @ HWY 119 BR @ BUCKHANNON WV LAT 38 59 46 LONG 080 14 21

APR , 1979									
19...	--	--	920	0	1000	--	--	--	--
SEP									
12...	<10	16000	1200	0	1300	20	.00	0	10

385750080091039 - C18.0SAND RUN NR BUCKHANNON WV LAT 38 57 50 LONG 080 09 10

APR , 1979									
19...	--	--	1100	0	1100	--	--	--	--
SEP									
12...	10	4400	970	0	970	710	.00	0	40

OHIO RIVER BASIN

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
MONONGAHELA RIVER BASIN--Continued										
390020080083539 - C19.0SAND RUN @ HWY 3/2 BR NR MOUTH WV LAT 39 00 20 LONG 080 08 35										
APR , 1979										
19...	1120	24	90	6.9	9.5	30	24	.0	.0	7.4
SEP										
12...	1900	15	145	7.1	21.0	49	41	.0	.0	12
390334080091839 - C20.0PECKS RUN @ HWY 1/13 BR @ TETER WV LAT 39 03 34 LONG 080 09 18										
APR , 1979										
19...	1325	5.1	460	7.0	16.0	220	160	.0	.0	58
SEP										
12...	1720	1.9	585	7.4	28.0	290	210	.0	.0	78
390723080023139 - C21.0L LAUREL RUN @ HWY 30 BR SOUTH PHILIPPI WV LAT 39 07 23 LONG 080 02 31										
APR , 1979										
19...	1535	4.8	50	6.9	14.0	17	4	.0	.0	4.8
SEP										
13...	0830	.67	80	7.1	15.5	23	7	.0	.0	6.5
390900080022539 - C22.0TYGART VLY R @ PHILIPPI WV LAT 39 09 00 LONG 080 02 25										
APR , 1979										
16...	1255	1510	80	7.0	9.5	27	12	.0	.0	7.4
SEP										
13...	0915	487	115	7.1	18.5	43	17	.0	.0	13
391100079583139 - C23.0LAUREL CR @ HWY 24 BR NR ARDEN WV LAT 39 11 00 LONG 079 58 31										
APR , 1979										
19...	1810	39	70	7.0	9.0	22	7	.0	.0	5.9
SEP										
13...	1030	15	100	7.2	17.5	33	19	.0	.0	8.9
391212079545339 - C24.0TETER CR @ HWY 92 BR NR NESTORVILLE WV LAT 39 12 12 LONG 079 54 53										
APR , 1979										
21...	1000	45	45	6.8	10.0	18	5	.0	.0	5.1
SEP										
13...	1130	16	85	7.6	17.5	28	9	.0	.0	8.4
391722079543439 - C25.0SANDY CR @ HWY 1 BR @ CLAUDE WV LAT 39 17 22 LONG 079 54 34										
APR , 1979										
21...	1140	65	170	3.4	12.0	37	36	.7	35	10
SEP										
13...	1230	24	195	3.6	18.0	49	49	.7	35	14
391958079520739 - C26.0L SANDY CR @ HWY 92/14 BR @ EVANSVILLE WV LAT 39 19 58 LONG 079 52 07										
APR , 1979										
21...	1315	23	300	3.5	12.0	52	52	1.0	50	14
SEP										
13...	1500	9.3	510	3.1	18.5	88	88	2.2	109	24
392617079505539 - C27.0THREE FK CR @ HWY 33 BR NR GLADESVILLE WV LAT 39 26 17 LONG 079 50 55										
APR , 1979										
20...	1740	45	300	3.6	13.0	95	91	1.0	50	23
SEP										
12...	1445	19	510	2.7	19.0	130	130	1.9	94	34

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

MONONGAHELA RIVER BASIN--Continued

390020080083539 - C19.0SAND RUN @ HWY 3/2 BR NR MOUTH WV LAT 39 00 20 LONG 080 08 35

APR , 1979									
19...	2.9	--	--	6	--	28	3.6	62	.08
SEP									
12...	4.5	3.3	.2	9	1.2	36	4.3	73	.10

390334080091839 - C20.0PECKS RUN @ HWY 1/13 BR @ TETER WV LAT 39 03 34 LONG 080 09 18

APR , 1979									
19...	19	--	--	63	--	200	3.0	368	.50
SEP									
12...	22	24	.6	78	5.5	240	5.6	440	.60

390723080023139 - C21.0L LAUREL RUN @ HWY 30 BR SOUTH PHILIPPI WV LAT 39 07 23 LONG 080 02 31

APR , 1979									
19...	1.1	--	--	13	--	--	--	60	.08
SEP									
13...	1.7	1.4	.1	16	2.5	6.2	2.2	40	.05

390900080022539 - C22.0TYGART VLY R @ PHILIPPI WV LAT 39 09 00 LONG 080 02 25

APR , 1979									
16...	2.1	--	--	15	--	24	2.5	57	.08
SEP									
13...	2.5	3.8	.3	26	4.0	23	2.5	52	.07

391100079583139 - C23.0LAUREL CR @ HWY 24 BR NR ARDEN WV LAT 39 11 00 LONG 079 58 31

APR , 1979									
19...	1.7	--	--	15	--	16	2.7	47	.06
SEP									
13...	2.5	2.8	.2	16	1.7	16	2.9	48	.07

391212079545339 - C24.0TETER CR @ HWY 92 BR NR NESTORVILLE WV LAT 39 12 12 LONG 079 54 53

APR , 1979									
21...	1.2	--	--	13	--	7.5	2.5	38	.05
SEP									
13...	1.6	2.1	.2	19	.9	8.7	2.2	36	.05

391722079543439 - C25.0SANDY CR @ HWY 1 BR @ CLAUDE WV LAT 39 17 22 LONG 079 54 34

APR , 1979									
21...	3.0	--	--	1	--	56	2.7	91	.12
SEP									
13...	3.5	3.4	.2	0	.0	63	3.5	91	.12

391958079520739 - C26.0L SANDY CR @ HWY 92/14 BR @ EVANSVILLE WV LAT 39 19 58 LONG 079 52 07

APR , 1979									
21...	4.1	--	--	0	--	97	4.5	147	.20
SEP									
13...	6.7	5.5	.3	0	.0	160	6.7	226	.31

392617079505539 - C27.0THREE FK CR @ HWY 33 BR NR GLADESVILLE WV LAT 39 26 17 LONG 079 50 55

APR , 1979									
20...	9.0	--	--	4	--	120	5.2	173	.24
SEP									
12...	12	8.2	.3	1	3890	200	5.6	286	.39

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	---	--

MONONGAHELA RIVER BASIN--Continued

390020080083539 - C19.0SAND RUN @ HWY 3/2 BR NR MOUTH WV LAT 39 00 20 LONG 080 08 35

APR , 1979									
19...	4.02	--	--	--	--	--	150	0	180
SEP									
12...	3.09	0	<10	<10	10	<10	230	--	40

390334080091839 - C20.0PECKS RUN @ HWY 1/13 BR @ TETER WV LAT 39 03 34 LONG 080 09 18

APR , 1979									
19...	5.07	--	--	--	--	--	2100	2000	90
SEP									
12...	2.29	0	<10	<10	10	<10	500	--	10

390723080023139 - C21.0L LAUREL RUN @ HWY 30 BR SOUTH PHILIPPI WV LAT 39 07 23 LONG 080 02 31

APR , 1979									
19...	.78	--	--	--	--	--	610	570	40
SEP									
13...	.07	0	<10	<10	<10	<10	1200	--	230

390900080022539 - C22.0TYGART VLY R @ PHILIPPI WV LAT 39 09 00 LONG 080 02 25

APR , 1979									
16...	232	--	--	--	--	--	470	340	130
SEP									
13...	68.4	0	<10	<10	20	<10	350	--	70

391100079583139 - C23.0LAUREL CR @ HWY 24 BR NR ARDEN WV LAT 39 11 00 LONG 079 58 31

APR , 1979									
19...	4.95	--	--	--	--	--	330	230	100
SEP									
13...	1.97	0	<10	<10	<10	<10	500	--	180

391212079545339 - C24.0TETER CR @ HWY 92 BR NR NESTORVILLE WV LAT 39 12 12 LONG 079 54 53

APR , 1979									
21...	4.62	--	--	--	--	--	150	120	30
SEP									
13...	1.61	0	<10	<10	<10	<10	230	--	90

391722079543439 - C25.0SANDY CR @ HWY 1 BR @ CLAUDE WV LAT 39 17 22 LONG 079 54 34

APR , 1979									
21...	16.0	--	--	--	--	--	1700	200	1500
SEP									
13...	5.95	0	<10	10	20	20	710	--	550

391958079520739 - C26.0L SANDY CR @ HWY 92/14 BR @ EVANSVILLE WV LAT 39 19 58 LONG 079 52 07

APR , 1979									
21...	9.13	--	--	--	--	--	5700	900	4800
SEP									
13...	5.68	0	<10	10	<10	20	5900	--	5300

392617079505539 - C27.0THREE FK CR @ HWY 33 BR NR GLADESVILLE WV LAT 39 26 17 LONG 079 50 55

APR , 1979									
20...	21.0	--	--	--	--	--	2000	400	1600
SEP									
12...	14.8	0	<10	10	20	10	2900	--	2400

OHIO RIVER BASIN

23

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	--	--	--	--

MONONGAHELA RIVER BASIN--Continued

390020080083539 - C19.0SAND RUN @ HWY 3/2 BR NR MOUTH WV LAT 39 00 20 LONG 080 08 35

APR , 1979									
19...	--	--	330	0	350	--	--	--	--
SEP									
12...	10	3300	120	10	110	260	.00	0	20

390334080091839 - C20.0PECKS RUN @ HWY 1/13 BR @ TETER WV LAT 39 03 34 LONG 080 09 18

APR , 1979									
19...	--	--	810	0	820	--	--	--	--
SEP									
12...	10	11000	1000	0	1000	170	.00	0	30

390723080023139 - C21.0L LAUREL RUN @ HWY 30 BR SOUTH PHILIPPI WV LAT 39 07 23 LONG 080 02 31

APR , 1979									
19...	--	--	90	0	100	--	--	--	--
SEP									
13...	<10	20000	170	0	170	60	.00	0	10

390900080022539 - C22.0TYGART VLY R @ PHILIPPI WV LAT 39 09 00 LONG 080 02 25

APR , 1979									
16...	--	--	170	0	180	--	--	--	--
SEP									
13...	<10	840	80	0	80	240	.00	0	60

391100079583139 - C23.0LAUREL CR @ HWY 24 BR NR ARDEN WV LAT 39 11 00 LONG 079 58 31

APR , 1979									
19...	--	--	30	0	30	--	--	--	--
SEP									
13...	<10	7100	30	10	20	560	.00	0	30

391212079545339 - C24.0TETER CR @ HWY 92 BR NR NESTORVILLE WV LAT 39 12 12 LONG 079 54 53

APR , 1979									
21...	--	--	10	0	10	--	--	--	--
SEP									
13...	10	11000	10	0	10	220	.00	0	30

391722079543439 - C25.0SANDY CR @ HWY 1 BR @ CLAUDE WV LAT 39 17 22 LONG 079 54 34

APR , 1979									
21...	--	--	260	0	300	--	--	--	--
SEP									
13...	50	35000	380	0	420	210	.00	0	70

391958079520739 - C26.0L SANDY CR @ HWY 92/14 BR @ EVANSVILLE WV LAT 39 19 58 LONG 079 52 07

APR , 1979									
21...	--	--	160	0	170	--	--	--	--
SEP									
13...	<10	74000	470	0	480	70	.00	0	30

392617079505539 - C27.0THREE FK CR @ HWY 33 BR NR GLADESVILLE WV LAT 39 26 17 LONG 079 50 55

APR , 1979									
20...	--	--	940	0	1000	--	--	--	--
SEP									
12...	<10	33000	1700	0	1700	220	.00	0	30

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
------	------	---	--	---------------	-----------------------------	--	--	--	----------------------------------	--

MONONGAHELA RIVER BASIN--Continued

392041079563739 - C28.0THREE FK CR @ HWY 50 BR @ THORNTON WV LAT 39 20 41 LONG 079 56 37

APR , 1979

21... 1510 88 245 3.5 16.0 82 82 .7 35 21

SEP

13... 1410 28 400 3.8 20.0 130 130 .9 45 34

392615080075539 - C29.0TYGART VLY R @ COLFAX WV LAT 39 26 15 LONG 080 07 55

APR , 1979

16... 1000 2480 85 6.9 9.0 31 19 .0 .0 8.3

SEP

11... 1530 4180 100 6.2 22.0 35 24 .0 .0 10

385207080272939 - D01.0WEST FK R @ HWY 44 BR @ WALKERSVILLE, WV LAT 38 52 07 LONG 080 27 29

MAY , 1979

03... 1500 28 60 7.2 15.0 27 10 .0 .0 7.7

SEP

11... 1940 8.2 130 7.2 19.0 40 14 .0 .0 12

385603080294039 - D02.0WEST FK R @ HWY 19 BR @ ROANOKE WV LAT 38 56 03 LONG 080 29 40

MAY , 1979

03... 1600 50 130 7.3 16.0 48 32 .0 .0 13

SEP

11... 1820 19 165 6.7 21.0 61 37 .0 .0 17

385633080252339 - D03.0SKIN CR @ HWY 30/12 BR NR VANDALIA WV LAT 38 56 33 LONG 080 25 23

MAY , 1979

04... 1015 12 90 7.4 15.0 37 14 .0 .0 10

SEP

12... 0855 2.4 395 6.9 18.5 93 58 .0 .0 28

385925080283239 - D04.0SKIN CR @ HWY 30/3 BR NR BROWNSVILLE WV LAT 38 59 25 LONG 080 28 32

MAY , 1979

04... 1115 40 110 7.6 14.5 64 42 .0 .0 17

SEP

11... 1550 10 200 7.3 19.5 80 46 .0 .0 22

390010080283539 - D05.0WEST FK R @ BROWNSVILLE WV LAT 39 00 10 LONG 080 28 35

APR , 1979

19... 1245 87 110 7.2 12.5 52 35 .0 .0 14

SEP

11... 1510 32 165 6.6 24.5 64 36 .0 .0 18

390210080265639 - D06.0STONECOAL CR @ HWY 119 BR @ WESTON WV LAT 39 02 10 LONG 080 26 56

MAY , 1979

04... 1600 107 240 8.0 13.0 100 61 .0 .0 28

SEP

11... 1715 102 165 6.4 16.5 52 31 .0 .0 15

390253080283839 - D07.0POLK CR @ HWY 33 BR @ WESTON WV LAT 39 02 53 LONG 080 28 38

MAY , 1979

04... 1515 25 260 8.0 14.0 130 90 .0 .0 37

SEP

11... 1410 4.1 285 7.6 21.5 130 73 .0 .0 36

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

MONONGAHELA RIVER BASIN--Continued

392041079563739 - C28.0THREE FK CR @ HWY 50 BR @ THORNTON WV LAT 39 20 41 LONG 079 56 37

APR , 1979									
21...	7.1	--	--	0	--	100	4.3	164	.22
SEP									
13...	11	6.6	.3	0	.0	150	5.8	248	.34

392615080075539 - C29.0TYGART VLY R @ COLFAX WV LAT 39 26 15 LONG 080 07 55

APR , 1979									
16...	2.4	--	--	12	--	27	2.7	58	.08
SEP									
11...	2.4	3.1	.2	11	14	23	2.8	58	.08

385207080272939 - D01.0WEST FK R @ HWY 44 BR @ WALKERSVILLE, WV LAT 38 52 07 LONG 080 27 29

MAY , 1979									
03...	1.9	--	--	17	--	12	5.8	47	.06
SEP									
11...	2.5	6.6	.5	33	3.2	9.3	8.2	54	.07

385603080294039 - D02.0WEST FK R @ HWY 19 BR @ ROANOKE WV LAT 38 56 03 LONG 080 29 40

MAY , 1979									
03...	3.8	--	--	16	--	29	6.7	90	.12
SEP									
11...	4.5	4.5	.3	27	9.3	32	4.8	82	.11

385633080252339 - D03.0SKIN CR @ HWY 30/12 BR NR VANDALIA WV LAT 38 56 33 LONG 080 25 23

MAY , 1979									
04...	2.9	--	--	23	--	15	3.6	65	.09
SEP									
12...	5.5	38	1.7	38	8.6	9.3	85	245	.33

385925080283239 - D04.0SKIN CR @ HWY 30/3 BR NR BROWNSVILLE WV LAT 38 59 25 LONG 080 28 32

MAY , 1979									
04...	5.3	--	--	22	--	42	2.3	98	.13
SEP									
11...	6.2	4.4	.2	38	3.3	44	2.6	111	.15

390010080283539 - D05.0WEST FK R @ BROWNSVILLE WV LAT 39 00 10 LONG 080 28 35

APR , 1979									
19...	4.2	--	--	17	--	36	3.8	93	.13
SEP									
11...	4.7	4.1	.2	29	14	32	3.2	104	.14

390210080265639 - D06.0STONECOAL CR @ HWY 119 BR @ WESTON WV LAT 39 02 10 LONG 080 26 56

MAY , 1979									
04...	7.6	--	--	40	--	69	13	191	.26
SEP									
11...	3.6	6.8	.4	22	16	33	2.9	96	.13

390253080283839 - D07.0ROLK CR @ HWY 33 BR @ WESTON WV LAT 39 02 53 LONG 080 28 38

MAY , 1979									
04...	10	--	--	44	--	90	5.6	198	.27
SEP									
11...	9.2	6.2	.2	58	2.7	65	5.5	195	.27

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--	--

MONONGAHELA RIVER BASIN--Continued

392041079563739 - C28.0THREE FK CR @ HWY 50 BR @ THORNTON WV LAT 39 20 41 LONG 079 56 37

APR , 1979									
21...	39.0	--	--	--	--	--	1000	140	860
SEP									
13...	19.0	0	<10	<10	10	10	370	--	250

392615080075539 - C29.0TYGART VLY R @ COLFAX WV LAT 39 26 15 LONG 080 07 55

APR , 1979									
16...	388	--	--	--	--	--	430	430	0
SEP									
11...	655	0	<10	10	20	<10	690	--	90

385207080272939 - D01.0WEST FK R @ HWY 44 BR @ WALKERSVILLE, WV LAT 38 52 07 LONG 080 27 29

MAY , 1979									
03...	3.55	--	--	--	--	--	470	430	40
SEP									
11...	1.20	0	<10	<10	20	<10	970	--	210

385603080294039 - D02.0WEST FK R @ HWY 19 BR @ ROANOKE WV LAT 38 56 03 LONG 080 29 40

MAY , 1979									
03...	12.1	--	--	--	--	--	630	580	50
SEP									
11...	4.25	0	<10	<10	10	<10	800	--	170

385633080252339 - D03.0SKIN CR @ HWY 30/12 BR NR VANDALIA WV LAT 38 56 33 LONG 080 25 23

MAY , 1979									
04...	2.11	--	--	--	--	--	730	680	50
SEP									
12...	1.61	0	<10	10	10	20	1200	--	160

385925080283239 - D04.0SKIN CR @ HWY 30/3 BR NR BROWNSVILLE WV LAT 38 59 25 LONG 080 28 32

MAY , 1979									
04...	10.6	--	--	--	--	--	890	840	50
SEP									
11...	3.09	0	<10	<10	20	<10	640	--	100

390010080283539 - D05.0WEST FK R @ BROWNSVILLE WV LAT 39 00 10 LONG 080 28 35

APR , 1979									
19...	21.8	--	--	--	--	--	520	430	90
SEP									
11...	9.13	0	<10	<10	10	<10	800	--	130

390210080265639 - D06.0STONECOAL CR @ HWY 119 BR @ WESTON WV LAT 39 02 10 LONG 080 26 56

MAY , 1979									
04...	55.2	--	--	--	--	--	2900	2500	450
SEP									
11...	26.4	0	<10	10	10	21	1000	--	210

390253080283839 - D07.0POLK CR @ HWY 33 BR @ WESTON WV LAT 39 02 53 LONG 080 28 38

MAY , 1979									
04...	13.4	--	--	--	--	--	2300	2200	60
SEP									
11...	2.18	0	<10	20	30	20	1200	--	260

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BCT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	---	--	---	--

MONONGAHELA RIVER BASIN--Continued

392041079563739 - C28.0THREE FK CR @ HWY 50 BR @ THORNTON WV LAT 39 20 41 LONG 079 56 37

APR , 1979									
21...	--	--	700	0	770	--	--	--	--
SEP									
13...	10	20000	1400	0	1400	110	.00	0	20

392615080075539 - C29.0TYGART VLY R @ COLFAX WV LAT 39 26 15 LONG 080 07 55

APR , 1979									
16...	--	--	110	0	160	--	--	--	--
SEP									
11...	200	23000	140	90	50	680	.00	0	140

385207080272939 - D01.0WEST FK R @ HWY 44 BR @ WALKERSVILLE, WV LAT 38 52 07 LONG 080 27 29

MAY , 1979									
03...	--	--	60	20	40	--	--	--	--
SEP									
11...	<10	7000	170	30	140	530	.00	0	20

385603080294039 - D02.0WEST FK R @ HWY 19 BR @ ROANOKE WV LAT 38 56 03 LONG 080 29 40

MAY , 1979									
03...	--	--	100	0	110	--	--	--	--
SEP									
11...	30	9500	170	20	150	1300	.00	0	40

385633080252339 - D03.0SKIN CR @ HWY 30/12 BR NR VANDALIA WV LAT 38 56 33 LONG 080 25 23

MAY , 1979									
04...	--	--	50	0	60	--	--	--	--
SEP									
12...	10	22000	360	30	330	760	.00	0	60

385925080283239 - D04.0SKIN CR @ HWY 30/3 BR NR BROWNSVILLE WV LAT 38 59 25 LONG 080 28 32

MAY , 1979									
04...	--	--	60	0	80	--	--	--	--
SEP									
11...	20	8700	130	20	110	760	.00	0	30

390010080283539 - D05.0WEST FK R @ BROWNSVILLE WV LAT 39 00 10 LONG 080 28 35

APR , 1979									
19...	--	--	80	0	80	--	--	--	--
SEP									
11...	10	12000	120	0	120	1300	.00	0	40

390210080265639 - D06.0STONECOAL CR @ HWY 119 BR @ WESTON WV LAT 39 02 10 LONG 080 26 56

MAY , 1979									
04...	--	--	340	0	340	--	--	--	--
SEP									
11...	30	32000	180	10	170	670	.00	0	80

390253080283839 - D07.0POLK CR @ HWY 33 BR @ WESTON WV LAT 39 02 53 LONG 080 28 38

MAY , 1979									
04...	--	--	210	20	190	--	--	--	--
SEP									
11...	30	33000	560	420	140	1200	.00	0	100

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
MONONGAHELA RIVER BASIN--Continued										
390627080294039 - D08.0FREEMANS CR @ BR @ VALLEY CHAPEL WV LAT 39 06 27 LONG 080 29 40										
MAY , 1979										
04...	1425	49	280	8.0	14.0	140	90	.0	.0	40
SEP										
11...	1330	8.4	325	7.8	20.0	150	88	.0	.0	43
390855080295539 - D09.0KINCHELOE CR @ BR NR VALLEY CHAPEL WV LAT 39 08 55 LONG 080 29 55										
MAY , 1979										
04...	1340	28	90	8.2	13.0	42	13	.0	.0	12
SEP										
10...	1830	3.8	160	7.6	21.0	54	7	.0	.0	16
390520080232239 - D10.0HACKERS CR @ HWY 14 BR NR JANE LEW WV LAT 39 05 20 LONG 080 23 22										
MAY , 1979										
04...	1700	88	415	8.0	14.0	210	140	.0	.0	56
SEP										
10...	1730	12	400	7.8	21.0	180	120	.0	.0	51
391000080220739 - D11.0LOST CR @ HWY 27/2 BR @ LOST CREEK WV LAT 39 10 00 LONG 080 22 07										
MAY , 1979										
09...	1120	9.0	260	7.5	20.0	130	84	.0	.0	38
SEP										
10...	1945	4.1	345	7.2	18.0	150	84	.0	.0	44
390947080154239 - D12.0GNATTY CR @ HWY 20/20 BR @ ROMINES MILLS WV LAT 39 09 47 LONG 080 15 42										
MAY , 1979										
04...	1515	41	705	7.7	14.5	380	280	.0	.0	100
SEP										
11...	1030	17	840	7.6	17.5	370	260	.0	.0	100
391023080140539 - D13.0ELK CR @ HWY 57/2 BR NR ROMINES MILLS WV LAT 39 10 23 LONG 080 14 05										
MAY , 1979										
09...	0840	36	1450	8.2	18.0	600	520	.0	.0	160
SEP										
10...	0925	13	1315	7.4	17.5	670	570	.0	.0	180
391353080172039 - D14.0BRUSHY FK @ HWY 42 BR NR STONEWOOD WV LAT 39 13 53 LONG 080 17 20										
MAY , 1979										
09...	1000	17	825	8.1	20.0	510	460	.0	.0	140
SEP										
11...	1830	5.3	820	7.6	17.0	440	340	.0	.0	120
391605080094739 - D15.0SIMPSON CR @ HWY 13/13 BR @ ROSEMONT WV LAT 39 16 05 LONG 080 09 47										
MAY , 1979										
04...	1330	33	1125	6.6	13.5	520	510	.0	.0	140
SEP										
10...	1000	20	1150	6.0	14.0	550	550	.0	.0	150
391842080170139 - D16.0SIMPSON CR @ HWY 24/1 BR NR BRIDGEPORT WV LAT 39 18 42 LONG 080 17 01										
MAY , 1979										
04...	1145	52	805	7.3	14.0	410	390	.0	.0	110
SEP										
10...	1145	30	900	7.4	18.0	400	380	.0	.0	110

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS SC4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

MONONGAHELA RIVER BASIN--Continued

390627080294039 - D08.0FREEMANS CR @ BR @ VALLEY CHAPEL WV LAT 39 06 27 LONG 080 29 40

MAY , 1979									
04...	10	--	--	51	--	95	2.5	218	.30
SEP									
11...	11	4.3	.2	66	2.0	80	1.8	214	.29

390855080295539 - D09.0KINCHELOE CR @ BR NR VALLEY CHAPEL WV LAT 39 08 55 LONG 080 29 55

MAY , 1979									
04...	3.0	--	--	29	--	18	1.6	61	.08
SEP									
10...	3.4	3.7	.2	47	2.3	12	1.6	82	.11

390520080232239 - D10.0HACKERS CR @ HWY 14 BR NR JANE LEW WV LAT 39 05 20 LONG 080 23 22

MAY , 1979									
04...	16	--	--	64	--	170	4.0	319	.43
SEP									
10...	13	15	.5	66	2.0	130	7.2	289	.39

391000080220739 - D11.0LOST CR @ HWY 27/2 BR @ LOST CREEK WV LAT 39 10 00 LONG 080 22 07

MAY , 1979									
09...	9.3	--	--	49	--	85	6.6	200	.27
SEP									
10...	10	7.7	.3	69	8.2	77	8.9	222	.30

390947080154239 - D12.0GNATTY CR @ HWY 20/20 BR @ ROMINES MILLS WV LAT 39 09 47 LONG 080 15 42

MAY , 1979									
04...	31	--	--	98	--	340	5.6	618	.84
SEP									
11...	29	47	1.1	110	5.4	340	6.3	658	.89

391023080140539 - D13.0ELK CR @ HWY 57/2 BR NR ROMINES MILLS WV LAT 39 10 23 LONG 080 14 05

MAY , 1979									
09...	49	--	--	77	--	580	6.7	943	1.28
SEP									
10...	53	54	.9	100	7.8	610	17	1110	1.51

391353080172039 - D14.0BRUSHY FK @ HWY 42 BR NR STONEWOOD WV LAT 39 13 53 LONG 080 17 20

MAY , 1979									
09...	40	--	--	57	--	450	3.2	779	1.06
SEP									
11...	34	19	.4	98	4.8	360	4.2	653	.89

391605080094739 - D15.0SIMPSON CR @ HWY 13/13 BR @ ROSEMONT WV LAT 39 16 05 LONG 080 09 47

MAY , 1979									
04...	41	--	--	6	--	650	3.6	949	1.29
SEP									
10...	42	56	1.0	4	.0	580	3.3	1010	1.37

391842080170139 - D16.0SIMPSON CR @ HWY 24/1 BR NR BRIDGEPORT WV LAT 39 18 42 LONG 080 17 01

MAY , 1979									
04...	34	--	--	22	--	470	4.7	758	1.03
SEP									
10...	31	40	.9	27	2.1	430	8.9	744	1.01

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--	--

MONONGAHELA RIVER BASIN--Continued

390627080294039 - D08.0FREEMANS CR @ BR @ VALLEY CHAPEL WV LAT 39 06 27 LONG 080 29 40

MAY , 1979									
04...	28.8	--	--	--	--	--	1900	1900	30
SEP									
11...	4.88	0	<10	<10	<10	<10	830	--	80

390855080295539 - D09.0KINCHELOE CR @ BR NR VALLEY CHAPEL WV LAT 39 08 55 LONG 080 29 55

MAY , 1979									
04...	4.61	--	--	--	--	--	1000	950	50
SEP									
10...	.86	0	<10	10	10	<10	630	--	190

390520080232239 - D10.0HACKERS CR @ HWY 14 BR NR JANE LEW WV LAT 39 05 20 LONG 080 23 22

MAY , 1979									
04...	75.8	--	--	--	--	--	1600	1600	10
SEP									
10...	9.99	0	<10	20	30	20	800	--	30

391000080220739 - D11.0LOST CR @ HWY 27/2 BR @ LOST CREEK WV LAT 39 10 00 LONG 080 22 07

MAY , 1979									
09...	4.86	--	--	--	--	--	1000	980	20
SEP									
10...	2.51	0	<10	10	20	20	1200	--	50

390947080154239 - D12.0GNATTY CR @ HWY 20/20 BR @ ROMINES MILLS WV LAT 39 09 47 LONG 080 15 42

MAY , 1979									
04...	68.4	--	--	--	--	--	660	610	50
SEP									
11...	30.2	0	<10	<10	10	30	760	--	40

391023080140539 - D13.0ELK CR @ HWY 57/2 BR NR ROMINES MILLS WV LAT 39 10 23 LONG 080 14 05

MAY , 1979									
09...	91.7	--	--	--	--	--	930	910	20
SEP									
10...	40.5	0	<10	<10	20	20	940	--	40

391353080172039 - D14.0BRUSHY FK @ HWY 42 BR NR STONEWOOD WV LAT 39 13 53 LONG 080 17 20

MAY , 1979									
09...	35.8	--	--	--	--	--	420	420	0
SEP									
11...	9.45	0	<10	<10	30	40	420	--	20

391605080094739 - D15.0SIMPSON CR @ HWY 13/13 BR @ ROSEMONT WV LAT 39 16 05 LONG 080 09 47

MAY , 1979									
04...	84.6	--	--	--	--	--	9000	6000	3000
SEP									
10...	56.2	0	<10	<10	30	40	6100	--	2100

391842080170139 - D16.0SIMPSON CR @ HWY 24/1 BR NR BRIDGEPORT WV LAT 39 18 42 LONG 080 17 01

MAY , 1979									
04...	106	--	--	--	--	--	6000	5900	140
SEP									
10...	61.3	0	<10	<10	20	20	530	--	20

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	--	--	--	--	---	--

MONONGAHELA RIVER BASIN--Continued

390627080294039 - D08.0FREEMANS CR @ BR @ VALLEY CHAPEL WV LAT 39 06 27 LONG 080 29 40

MAY , 1979									
04...	--	--	110	20	90	--	--	--	--
SEP									
11...	<10	16000	120	10	110	470	.00	0	30

390855080295539 - D09.0KINCHELOE CR @ BR NR VALLEY CHAPEL WV LAT 39 08 55 LONG 080 29 55

MAY , 1979									
04...	--	--	50	20	30	--	--	--	--
SEP									
10...	10	22000	60	0	90	680	.00	0	40

390520080232239 - D10.0HACKERS CR @ HWY 14 BR NR JANE LEW WV LAT 39 05 20 LONG 080 23 22

MAY , 1979									
04...	--	--	160	10	150	--	--	--	--
SEP									
10...	10	33000	210	0	210	1500	.00	0	80

391000080220739 - D11.0LOST CR @ HWY 27/2 BR @ LOST CREEK WV LAT 39 10 00 LONG 080 22 07

MAY , 1979									
09...	--	--	210	V	-#20 K	-D	U--		B --
SEP									
10...	<10	23000	330	E-F 30 -	DH100	1600	.00	0	110

390947080154239 - D12.0GNATTY CR @ HWY 20/20 B,56A.

MAY , 1979									
04...	--	--	270	0	290	--	--	--	--
SEP									
11...	30	17000	270	20	250	1100	.00	0	60

391023080140539 - D13.0ELK CR @ HWY 57/2 BR NR ROMINES MILLS WV LAT 39 10 23 LONG 080 14 05

MAY , 1979									
04...	--	--	270	0	290	--	--	--	--
SEP									
11...	30	17000	270	20	250	1100	.00	0	60

391023080140539 - D13.0ELK CR @ HWY 57/2 BR NR ROMINES MILLS WV LAT 39 10 23 LONG 080 14 05

MAY , 1979									
09...	--	--	710	0	750	--	--	--	--
SEP									
10...	20	51000	1100	0	1200	1200	.00	0	100

391353080172039 - D14.0BRUSHY FK @ HWY 42 BR NR STONEWOOD WV LAT 39 13 53 LONG 080 17 20

MAY , 1979									
09...	--	--	370	0	380	--	--	--	--
SEP									
11...	<10	15000	140	20	120	3300	.00	0	80

391605080094739 - D15.0SIMPSON CR @ HWY 13/13 BR @ ROSEMONT WV LAT 39 16 05 LONG 080 09 47

MAY , 1979									
04...	--	--	2900	100	2800	--	--	--	--
SEP									
10...	30	71000	3200	100	3100	270	.00	0	110

391842080170139 - D16.0SIMPSON CR @ HWY 24/1 BR NR BRIDGEPORT WV LAT 39 18 42 LONG 080 17 01

MAY , 1979									
04...	--	--	1800	100	1700	--	--	--	--
SEP									
10...	20	22000	1500	0	1500	780	.00	0	140

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
------	------	---	--	---------------	-----------------------------	--	--	--	----------------------------------	--

MONONGAHELA RIVER BASIN--Continued

391632080292039 - D17.0TENMILE CR @ HWY 31 BR @ MAKEN WV LAT 39 16 32 LONG 080 29 20

MAY , 1979										
03...	0920	13	145	7.9	14.0	69	23	.0	.0	20
SEP										
10...	1400	3.4	240	7.8	19.0	110	29	.0	.0	31

391817080291539 - D18.0SALEM CR @ HWY 5/9 BR NR MAKEN WV LAT 39 18 17 LONG 080 29 15

MAY , 1979										
03...	1045	13	150	7.7	15.0	54	13	.0	.0	16
SEP										
10...	1530	3.7	240	7.6	19.5	84	20	.0	.0	25

392203080243739 - D19.0L TENMILE CR @ HWY 20 BR @ ROSEBUD WV LAT 39 22 03 LONG 080 24 37

MAY , 1979										
03...	1320	29	685	7.3	15.0	230	180	.0	.0	66
SEP										
11...	0830	4.5	810	7.0	17.0	340	310	.0	.0	95

392520080164039 - D20.0WEST FK R @ ENTERPRISE WV LAT 39 25 20 LONG 080 16 40

APR , 1979										
21...	1700	408	930	5.9	16.0	410	380	.0	.0	110
SEP										
11...	1120	347	545	6.4	20.0	230	200	.0	.0	65

392457080192939 - D21.0BINGAMON CR @ HWY 8 BR @ PINE BLUFF WV LAT 39 24 57 LONG 080 19 29

MAY , 1979										
03...	1600	35	1250	7.1	14.5	290	270	.0	.0	89
SEP										
11...	1010	11	1050	7.4	17.0	360	290	.0	.0	100

392212080120339 - D22.0CORBIN BRANCH @ HWY 1/1 BR @ SANTIAGO WV LAT 39 22 12 LONG 080 12 03

MAY , 1979										
04...	1045	9.4	140	7.6	13.5	71	27	.0	.0	21
SEP										
11...	1330	2.6	180	7.6	19.0	81	19	.0	.0	24

392149080123139 - D23.0THOMAS FK @ HWY 73/73 BR @ SANTIAGO WV LAT 39 21 49 LONG 080 12 31

MAY , 1979										
04...	1030	4.7	430	7.6	13.0	170	100	.0	.0	51
SEP										
11...	1250	.87	440	6.9	19.5	210	100	.0	.0	62

392335080114839 - D24.0HUSTEAD FK @ HWY 3/16 BR @ BOOTHSVILLE WV LAT 39 23 35 LONG 080 11 48

MAY , 1979										
04...	0840	20	105	6.8	12.5	45	24	.0	.0	13
SEP										
11...	1430	5.1	170	7.9	18.0	72	33	.0	.0	21

393114080232039 - E01.0BUFFALO CR @ HWY 1/10 BR @ DEEP VALLEY WV LAT 39 31 14 LONG 080 23 20

MAY , 1979										
02...	1425	28	100	7.3	14.0	36	19	.0	.0	10
SEP										
10...	1015	6.8	170	7.2	17.0	54	14	.0	.0	15

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
MONONGAHELA RIVER BASIN--Continued									
391632080292039 - D17.0TENMILE CR @ HWY 31 BR @ MAKEN WV LAT 39 16 32 LONG 080 29 20									
MAY , 1979									
03...	4.6	--	--	46	--	26	4.4	110	.15
SEP									
10...	6.8	5.8	.2	81	2.4	28	3.6	126	.17
391817080291539 - D18.0SALEM CR @ HWY 5/9 BR NR MAKEN WV LAT 39 18 17 LONG 080 29 15									
MAY , 1979									
03...	3.4	--	--	41	--	21	14	105	.14
SEP									
10...	5.2	16	.8	69	3.1	19	18	120	.16
392203080243739 - D19.0L TENMILE CR @ HWY 20 BR @ ROSEBUD WV LAT 39 22 03 LONG 080 24 37									
MAY , 1979									
03...	17	--	--	55	--	340	5.9	561	.76
SEP									
11...	25	50	1.2	30	5.9	400	6.7	645	.88
392520080164039 - D20.0WEST FK R @ ENTERPRISE WV LAT 39 25 20 LONG 080 16 40									
APR , 1979									
21...	33	--	--	31	--	470	8.7	759	1.03
SEP									
11...	17	22	.6	36	27	220	8.0	376	.51
392457080192939 - D21.0BINGAMON CR @ HWY 8 BR @ PINE BLUFF WV LAT 39 24 57 LONG 080 19 29									
MAY , 1979									
03...	17	--	--	27	--	600	17	939	1.28
SEP									
11...	26	140	3.2	74	5.5	490	8.6	913	1.24
392212080120339 - D22.0CORBIN BRANCH @ HWY 1/1 BR @ SANTIAGO WV LAT 39 22 12 LONG 080 12 03									
MAY , 1979									
04...	4.4	--	--	44	--	26	2.7	101	.14
SEP									
11...	5.0	3.5	.2	64	3.0	17	3.4	95	.13
392149080123139 - D23.0THOMAS FK @ HWY 73/73 BR @ SANTIAGO WV LAT 39 21 49 LONG 080 12 31									
MAY , 1979									
04...	11	--	--	73	--	100	43	325	.44
SEP									
11...	14	14	.4	98	27	97	13	317	.43
392335080114839 - D24.0HUSTEAD FK @ HWY 3/16 BR @ BOOTHSVILLE WV LAT 39 23 35 LONG 080 11 48									
MAY , 1979									
04...	3.1	--	--	21	--	23	3.5	75	.10
SEP									
11...	4.7	4.2	.2	39	1.0	28	3.4	106	.14
393114080232039 - E01.0BUFFALO CR @ HWY 1/10 BR @ DEEP VALLEY WV LAT 39 31 14 LONG 080 23 20									
MAY , 1979									
02...	2.6	--	--	17	--	24	4.0	63	.09
SEP									
10...	4.0	12	.7	44	4.9	23	6.1	100	.14

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--	--

MONONGAHELA RIVER BASIN--Continued

391632080292039 - D17.0TENMILE CR @ HWY 31 BR @ MAKEN WV LAT 39 16 32 LONG 080 29 20

MAY , 1979									
03...	3.86	--	--	--	--	--	490	410	80
SEP									
10...	1.17	0	<10	<10	30	<10	870	--	100

391817080291539 - D18.0SALEM CR @ HWY 5/9 BR NR MAKEN WV LAT 39 18 17 LONG 080 29 15

MAY , 1979									
03...	3.69	--	--	--	--	--	510	430	80
SEP									
10...	1.23	0	<10	<10	<10	10	670	--	60

392203080243739 - D19.0L TENMILE CR @ HWY 20 BR @ ROSEBUD WV LAT 39 22 03 LONG 080 24 37

MAY , 1979									
03...	43.9	--	--	--	--	--	11000	8200	2800
SEP									
11...	7.91	0	<10	<10	10	10	4900	--	2300

392520080164039 - D20.0WEST FK R @ ENTERPRISE WV LAT 39 25 20 LONG 080 16 40

APR , 1979									
21...	836	--	--	--	--	--	5400	4300	1100
SEP									
11...	352	0	<10	20	30	60	2200	--	230

392457080192939 - D21.0BINGAMON CR @ HWY 8 BR @ PINE BLUFF WV LAT 39 24 57 LONG 080 19 29

MAY , 1979									
03...	88.7	--	--	--	--	--	6200	900	5300
SEP									
11...	27.1	0	<10	<10	30	20	1100	--	40

392212080120339 - D22.0CORBIN BRANCH @ HWY 1/1 BR @ SANTIAGO WV LAT 39 22 12 LONG 080 12 03

MAY , 1979									
04...	2.56	--	--	--	--	--	650	580	70
SEP									
11...	.67	0	<10	10	10	10	630	--	130

392149080123139 - D23.0THOMAS FK @ HWY 73/73 BR @ SANTIAGO WV LAT 39 21 49 LONG 080 12 31

MAY , 1979									
04...	4.12	--	--	--	--	--	710	670	40
SEP									
11...	.74	0	<10	10	20	20	670	--	50

392335080114839 - D24.0HUSTEAD FK @ HWY 3/16 BR @ BOOTHSVILLE WV LAT 39 23 35 LONG 080 11 48

MAY , 1979									
04...	4.05	--	--	--	--	--	590	530	60
SEP									
11...	1.46	0	<10	10	20	<10	380	--	90

393114080232039 - E01.0BUFFALO CR @ HWY 1/10 BR @ DEEP VALLEY WV LAT 39 31 14 LONG 080 23 20

MAY , 1979									
02...	4.76	--	--	--	--	--	380	330	50
SEP									
10...	1.84	0	<10	10	20	<10	700	--	190

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	--	--	--	--

MONONGAHELA RIVER BASIN--Continued

391632080292039 - D17.0TENMILE CR @ HWY 31 BR @ MAKEN WV LAT 39 16 32 LONG 080 29 20

MAY , 1979									
03...	--	--	50	0	70	--	--	--	--
SEP									
10...	20	11000	150	40	110	810	.00	0	30

391817080291539 - D18.0SALEM CR @ HWY 5/9 BR NR MAKEN WV LAT 39 18 17 LONG 080 29 15

MAY , 1979									
03...	--	--	120	20	100	--	--	--	--
SEP									
10...	40	10000	100	30	70	560	.00	0	80

392203080243739 - D19.0L TENMILE CR @ HWY 20 BR @ ROSFBUD WV LAT 39 22 03 LONG 080 24 37

MAY , 1979									
03...	--	--	560	200	360	--	--	--	--
SEP									
11...	30	43000	1200	0	1200	290	.00	0	70

392520080164039 - D20.0WEST FK R @ ENTERPRISE WV LAT 39 25 20 LONG 080 16 40

APR , 1979									
21...	--	--	1300	690	610	--	--	--	--
SEP									
11...	60	53000	660	40	620	800	.00	0	2880

392457080192939 - D21.0BINGAMON CR @ HWY 8 BR @ PINE BLUFF WV LAT 39 24 57 LONG 080 19 29

MAY , 1979									
03...	--	--	440	110	330	--	--	--	--
SEP									
11...	30	27000	500	30	470	850	.00	0	90

392212080120339 - D22.0CORBIN BRANCH @ HWY 1/1 BR @ SANTIAGO WV LAT 39 22 12 LONG 080 12 03

MAY , 1979									
04...	--	--	100	20	80	--	--	--	--
SEP									
11...	30	19000	80	40	40	1100	.00	0	70

392149080123139 - D23.0THOMAS FK @ HWY 73/73 BR @ SANTIAGO WV LAT 39 21 49 LONG 080 12 31

MAY , 1979									
04...	--	--	330	80	250	--	--	--	--
SEP									
11...	20	27000	330	10	320	1400	.00	0	110

392335080114839 - D24.0HUSTEAD FK @ HWY 3/16 BR @ BOOTHSVILLE WV LAT 39 23 35 LONG 080 11 48

MAY , 1979									
04...	--	--	40	20	20	--	--	--	--
SEP									
11...	20	14000	20	0	30	460	.00	0	40

393114080232039 - E01.0BUFFALO CR @ HWY 1/10 BR @ DEEP VALLEY WV LAT 39 31 14 LONG 080 23 20

MAY , 1979									
02...	--	--	40	0	40	--	--	--	--
SEP									
10...	20	22000	110	10	100	700	.00	0	50

DATE	TIME	STREAM- FLOW+ INSTAN- TANEOUS (CFS)	SPE- CIFIC CUN- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
MONONGAHELA RIVER BASIN--Continued										
393320080212239 - E02.0PYLES FK @ HWY 250/5 BR NR METZ WV LAT 39 33 20 LONG 080 21 22										
MAY , 1979										
02...	1525	20	130	7.2	14.0	43	18	.0	.0	12
SEP										
10...	1215	2.0	185	7.3	17.0	75	23	.0	.0	22
393014080102139 - E03.0BUFFALO CR @ BARRACKVILLE WV LAT 39 30 14 LONG 080 10 21										
MAY , 1979										
01...	1610	135	250	8.1	14.0	93	47	.0	.0	26
SEP										
10...	1400	36	580	8.2	19.0	170	65	.0	.0	48
393308080100339 - E04.0PAW PAW CR @ HWY 17 BR @ GRANT TOWN WV LAT 39 33 08 LONG 080 10 03										
MAY , 1979										
01...	1430	31	400	8.1	12.0	160	75	.0	.0	45
SEP										
10...	1545	13	720	7.9	18.5	240	120	.0	.0	68
393423080091339 - E05.0L PAW PAW CR @ HWY 25 BR @ HOODSVILLE WV LAT 39 34 23 LONG 080 09 13										
MAY , 1979										
01...	1335	12	185	7.9	12.5	97	32	.0	.0	27
SEP										
10...	1645	1.8	360	7.5	19.5	150	15	.0	.0	40
392947080054139 - E06.0PRICKETTS CR @ HWY 73 BR @ MEADOWDALE WV LAT 39 29 47 LONG 080 05 41										
MAY , 1979										
02...	1515	13	95	8.0	16.0	35	18	.0	.0	10
SEP										
11...	1610	5.3	150	9.5	21.0	46	8	.0	.0	13
393408080045039 - E07.0INDIAN CR @ HWY 45/2 BR @ OSGOOD WV LAT 39 34 08 LONG 080 04 50										
MAY , 1979										
01...	1225	33	850	7.8	11.0	370	280	.0	.0	100
SEP										
10...	1805	11	2060	7.4	20.0	920	820	.0	.0	250
393250080023439 - E08.0WHITEDAY CR @ HWY 36 BR NR SMITHTOWN WV LAT 39 32 50 LONG 080 02 34										
MAY , 1979										
02...	1645	38	75	7.9	17.0	24	12	.0	.0	6.6
SEP										
11...	1745	12	100	7.9	21.0	32	16	.0	.0	9.0
393059079483739 - E09.0DECKERS CR @ HWY 27 BR @ REEDSVILLE WV LAT 39 30 59 LONG 079 48 37										
MAY , 1979										
01...	1500	14	230	4.4	15.0	90	90	.6	30	25
SEP										
12...	1545	11	370	5.0	23.0	170	160	.0	.0	50
383702079521339 - F01.0SHAVERS FK @ HWY 250 BR @ CHEAT BRIDGE WV LAT 38 37 02 LONG 079 52 13										
APR , 1979										
16...	0715	166	120	7.6	3.0	10	7	.0	.0	2.7
SEP										
13...	0820	70	10	6.8	15.5	11	6	.0	.0	3.1

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

MONONGAHELA RIVER BASIN--Continued

393320080212239 - E02.0PYLES FK @ HWY 250/5 BR NR METZ WV LAT 39 33 20 LONG 080 21 22

MAY , 1979									
02...	3.1	--	--	25	--	23	5.7	65	.09
SEP									
10...	4.9	13	.7	57	5.1	18	17	128	.17

393014080102139 - E03.0BUFFALO CR @ BARRACKVILLE WV LAT 39 30 14 LONG 080 10 21

MAY , 1979									
01...	6.9	--	--	46	--	93	8.7	197	.27
SEP									
10...	11	77	2.6	100	1.2	180	15	404	.55

393308080100339 - E04.0PAW PAW CR @ HWY 17 BR @ GRANT TOWN WV LAT 39 33 08 LONG 080 10 03

MAY , 1979									
01...	12	--	--	87	--	160	18	338	.46
SEP									
10...	18	86	2.4	120	2.9	220	29	522	.71

393423080091339 - E05.0L PAW PAW CR @ HWY 25 BR @ HOODSVILLE WV LAT 39 34 23 LONG 080 09 13

MAY , 1979									
01...	7.2	--	--	65	--	47	3.9	138	.19
SEP									
10...	11	20	.7	130	8.0	52	5.3	224	.30

392947080054139 - E06.0PRICKETTS CR @ HWY 73 BR @ MEADOWDALE WV LAT 39 29 47 LONG 080 05 41

MAY , 1979									
02...	2.5	--	--	17	--	21	4.4	59	.08
SEP									
11...	3.4	5.9	.4	37	.0	21	6.6	80	.11

393408080045039 - E07.0INDIAN CR @ HWY 45/2 BR @ OSGOOD WV LAT 39 34 08 LONG 080 04 50

MAY , 1979									
01...	28	--	--	81	--	440	6.1	747	1.02
SEP									
10...	72	260	3.7	105	7.8	1300	13	2300	3.13

393250080023439 - E08.0WHITEDAY CR @ HWY 36 BR NR SMITHTOWN WV LAT 39 32 50 LONG 080 02 34

MAY , 1979									
02...	1.9	--	--	12	--	18	3.2	48	.07
SEP									
11...	2.4	2.1	.2	16	.4	14	3.8	56	.08

393059079483739 - E09.0DECKERS CR @ HWY 27 BR @ REEDSVILLE WV LAT 39 30 59 LONG 079 48 37

MAY , 1979									
01...	6.7	--	--	0	--	100	8.4	160	.22
SEP									
12...	10	3.3	.1	4	215	160	6.3	264	.36

383702079521339 - F01.0SHAVERS FK @ HWY 250 BR @ CHEAT BRIDGE WV LAT 38 37 02 LONG 079 52 13

APR , 1979									
16...	.8	--	--	3	--	5.0	.4	24	.03
SEP									
13...	.9	.5	.1	6	1.5	5.3	.6	26	.04

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--	--

MONONGAHELA RIVER BASIN--Continued

393320080212239 - E02.0PYLES FK @ HWY 250/5 BR NR METZ WV LAT 39 33 20 LONG 080 21 22

MAY , 1979									
02...	3.51	--	--	--	--	--	280	250	30
SEP									
10...	.72	0	<10	20	10	20	970	--	210

393014080102139 - E03.0BUFFALO CR @ BARRACKVILLE WV LAT 39 30 14 LONG 080 10 21

MAY , 1979									
01...	71.8	--	--	--	--	--	580	550	30
SEP									
10...	40.0	0	<10	10	10	10	400	--	60

393308080100339 - E04.0PAW PAW CR @ HWY 17 BR @ GRANT TOWN WV LAT 39 33 08 LONG 080 10 03

MAY , 1979									
01...	28.3	--	--	--	--	--	380	370	10
SEP									
10...	19.5	0	<10	10	20	20	1000	--	20

393423080091339 - E05.0L PAW PAW CR @ HWY 25 BR @ HOODSVILLE WV LAT 39 34 23 LONG 080 09 13

MAY , 1979									
01...	4.47	--	--	--	--	--	240	230	10
SEP									
10...	1.11	0	<10	<10	10	20	540	--	70

392947080054139 - E06.0PRICKETTS CR @ HWY 73 BR @ MEADOWDALE WV LAT 39 29 47 LONG 080 05 41

MAY , 1979									
02...	2.07	--	--	--	--	--	90	90	0
SEP									
11...	1.15	0	<10	<10	<10	<10	320	--	80

393408080045039 - E07.0INDIAN CR @ HWY 45/2 BR @ OSGOOD WV LAT 39 34 08 LONG 080 04 50

MAY , 1979									
01...	66.6	--	--	--	--	--	320	320	0
SEP									
10...	72.7	0	<10	<10	20	10	460	--	40

393250080023439 - E08.0WHITEDAY CR @ HWY 36 BR NR SMITHTOWN WV LAT 39 32 50 LONG 080 02 34

MAY , 1979									
02...	4.92	--	--	--	--	--	130	110	20
SEP									
11...	1.86	0	<10	<10	10	<10	210	--	70

393059079483739 - E09.0DECKERS CR @ HWY 27 BR @ REEDSVILLE WV LAT 39 30 59 LONG 079 48 37

MAY , 1979									
01...	6.05	--	--	--	--	--	2100	900	1200
SEP									
12...	8.20	0	<10	<100	<10	20	850	--	300

383702079521339 - F01.0SHAVERS FK @ HWY 250 BR @ CHEAT BRIDGE WV LAT 38 37 02 LONG 079 52 13

APR , 1979									
16...	10.8	--	--	--	--	--	230	140	90
SEP									
13...	4.92	0	<10	<10	<10	<10	370	--	80

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	---	--	---	--

MONONGAHELA RIVER BASIN--Continued

393320080212239 - E02.0PYLES FK @ HWY 250/5 BR NR METZ WV LAT 39 33 20 LONG 080 21 22

MAY , 1979									
02...	--	--	60	20	40	--	--	--	--
SEP									
10...	30	33000	120	20	100	1000	.00	0	80

393014080102139 - E03.0BUFFALO CR @ BARRACKVILLE WV LAT 39 30 14 LONG 080 10 21

MAY , 1979									
01...	--	--	90	70	20	--	--	--	--
SEP									
10...	10	18000	100	20	80	720	.00	0	50

393308080100339 - E04.0PAW PAW CR @ HWY 17 BR @ GRANT TOWN WV LAT 39 33 08 LONG 080 10 03

MAY , 1979									
01...	--	--	150	20	130	--	--	--	--
SEP									
10...	30	26000	320	10	310	460	.00	0	50

393423080091339 - E05.0L PAW PAW CR @ HWY 25 BR @ HOODSVILLE WV LAT 39 34 23 LONG 080 09 13

MAY , 1979									
01...	--	--	60	20	40	--	--	--	--
SEP									
10...	10	17000	190	20	170	690	.00	0	50

392947080054139 - E06.0PRICKETTS CR @ HWY 73 BR @ MEADOWDALE WV LAT 39 29 47 LONG 080 05 41

MAY , 1979									
02...	--	--	30	30	0	--	--	--	--
SEP									
11...	20	11000	20	10	10	270	.00	0	40

393408080045039 - E07.0INDIAN CR @ HWY 45/2 BR @ OSGOOD WV LAT 39 34 08 LONG 080 04 50

MAY , 1979									
01...	--	--	690	240	450	--	--	--	--
SEP									
10...	<10	31000	490	440	50	2300	.00	0	40

393250080023439 - E08.0WHITEDAY CR @ HWY 36 BR NR SMITHTOWN WV LAT 39 32 50 LONG 080 02 34

MAY , 1979									
02...	--	--	20	10	10	--	--	--	--
SEP									
11...	10	11000	20	0	20	440	.00	0	50

393059079483739 - E09.0DECKERS CR @ HWY 27 BR @ REEDSVILLE WV LAT 39 30 59 LONG 079 48 37

MAY , 1979									
01...	--	--	400	90	310	--	--	--	--
SEP									
12...	30	6700	370	20	350	20	.00	0	20

383702079521339 - F01.0SHAVERS FK @ HWY 250 BR @ CHEAT BRIDGE WV LAT 38 37 02 LONG 079 52 13

APR , 1979									
16...	--	--	60	30	30	--	--	--	--
SEP									
13...	<10	81000	40	10	30	670	.00	0	50

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
------	------	---	--	---------------	-----------------------------	--	--	--	----------------------------------	--

MONONGAHELA RIVER BASIN--Continued

384827079441639 - F02.0SHAVERS FK @ BEMIS WV LAT 38 48 27 LONG 079 44 16

APR , 1979										
16...	0930	420	50	6.8	4.0	8	1	.0	.0	2.1
SEP										
11...	0800	214	50	7.3	15.0	10	8	.0	.0	2.7

385333079384039 - F03.0GLADY FK @ HWY 33 BR @ ALPENA WV LAT 38 53 33 LONG 079 38 40

APR , 1979										
16...	1030	75	100	7.7	4.5	11	0	.0	.0	3.2
SEP										
11...	0900	40	25	6.8	13.0	16	6	.0	.0	4.9

385303079355839 - F04.0LAUREL FK @ HWY 33 BR @ WYMER WV LAT 38 53 03 LONG 079 35 58

APR , 1979										
16...	1110	100	65	7.3	4.0	24	7	.0	.0	8.1
SEP										
11...	1015	55	65	7.1	15.0	37	3	.0	.0	13

385152079332839 - F05.0DRY FK D/S STINKING RUN @ JOB WV LAT 38 51 52 LONG 079 33 28

APR , 1979										
16...	1200	98	75	7.6	4.5	23	2	.0	.0	7.5
SEP										
11...	1130	86	50	7.6	15.0	28	8	.0	.0	9.4

385835079293639 - F06.0RED CR @ HWY 32 BR @ DRYFORK WV LAT 38 58 35 LONG 079 29 36

APR , 1979										
16...	1415	134	70	7.4	4.0	13	0	.0	.0	3.7
SEP										
11...	1300	90	25	6.7	18.0	18	9	.0	.0	5.7

390212079264239 - F07.0BLACKWATER R @ HWY 32 BR @ CANAAN VLY ST PK LAT 39 02 12 LONG 079 26 42

APR , 1979										
16...	1525	22	115	7.3	3.0	22	8	.0	.0	7.5
SEP										
11...	1430	11	50	6.9	19.0	32	11	.0	.0	11

390856079261839 - F08.0BEAVER CR @ HWY 93 BR NR DAVIS WV LAT 39 08 56 LONG 079 26 18

APR , 1979										
16...	1630	61	210	4.5	3.5	48	47	.8	40	12
SEP										
11...	1615	20	290	3.7	20.0	60	60	1.3	65	14

390820079304039 - F09.0N FK BLACKWATER R @ HWY 27 BR @ COKETON WV LAT 39 08 20 LONG 079 30 40

APR , 1979										
16...	1710	48	165	5.5	5.5	47	47	.0	.0	12
SEP										
11...	1715	17	290	4.7	20.0	110	110	.0	.0	26

391108079354239 - F10.0HORSESHOE RUN @ HWY 9 BR @ LEAD MINE WV LAT 39 11 08 LONG 079 35 42

APR , 1979										
17...	0800	73	50	7.1	5.0	14	0	.0	.0	3.6
SEP										
12...	1150	19	980	6.6	18.0	17	17	.0	.0	4.7

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

MONONGAHELA RIVER BASIN--Continued

384827079441639 - F02.0SHAVERS FK @ BEMIS WV LAT 38 48 27 LONG 079 44 16

APR , 1979									
16...	.7	--	--	7	--	4.3	.6	20	.03
SEP									
11...	.7	.5	.1	3	.2	5.6	1.0	24	.03

385333079384039 - F03.0GLADY FK @ HWY 33 BR @ ALPENA WV LAT 38 53 33 LONG 079 38 40

APR , 1979									
16...	.7	--	--	17	--	3.9	.7	22	.03
SEP									
11...	.9	1.0	.1	12	3.1	3.6	1.0	28	.04

385303079355839 - F04.0LAUREL FK @ HWY 33 BR @ WYMER WV LAT 38 53 03 LONG 079 35 58

APR , 1979									
16...	.9	--	--	17	--	4.0	.8	32	.04
SEP									
11...	1.1	1.1	.1	34	5.3	4.4	1.1	52	.07

385152079332839 - F05.0DRY FK D/S STINKING RUN @ JOB WV LAT 38 51 52 LONG 079 33 28

APR , 1979									
16...	1.0	--	--	21	--	5.1	.5	38	.05
SEP									
11...	1.2	1.2	.1	21	.0	5.2	.9	38	.05

385835079293639 - F06.0RED CR @ HWY 32 BR @ DRYFORK WV LAT 38 58 35 LONG 079 29 36

APR , 1979									
16...	.9	--	--	13	--	7.3	1.1	26	.04
SEP									
11...	.9	.7	.1	10	3.5	6.3	.8	26	.04

390212079264239 - F07.0BLACKWATER R @ HWY 32 BR @ CANAAN VLY ST PK LAT 39 02 12 LONG 079 26 42

APR , 1979									
16...	.8	--	--	14	--	4.4	1.5	40	.05
SEP									
11...	1.0	1.2	.1	23	5.2	5.3	1.3	45	.06

390856079261839 - F08.0BEAVER CR @ HWY 93 BR NR DAVIS WV LAT 39 08 56 LONG 079 26 18

APR , 1979									
16...	4.4	--	--	1	--	70	1.3	109	.15
SEP									
11...	6.1	1.2	.1	0	.0	100	1.3	183	.25

390820079304039 - F09.0N FK BLACKWATER R @ HWY 27 BR @ COKETON WV LAT 39 08 20 LONG 079 30 40

APR , 1979									
16...	4.1	--	--	0	--	48	5.0	82	.11
SEP									
11...	10	3.7	.2	0	.0	120	3.9	209	.28

391108079354239 - F10.0HORSESHOE RUN @ HWY 9 BR @ LEAD MINE WV LAT 39 11 08 LONG 079 35 42

APR , 1979									
17...	1.1	--	--	17	--	7.4	1.2	26	.04
SEP									
12...	1.3	1.7	.2	11	.0	5.7	2.0	36	.05

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--	--

MONONGAHELA RIVER BASIN--Continued

384827079441639 - F02.0SHAVERS FK @ BEMIS WV LAT 38 48 27 LONG 079 44 16

APR , 1979									
16...	22.7	--	--	--	--	--	250	170	80
SEP									
11...	13.9	0	<10	<10	<10	<10	190	--	90

385333079384039 - F03.0GLADY FK @ HWY 33 BR @ ALPENA WV LAT 38 53 33 LONG 079 38 40

APR , 1979									
16...	4.45	--	--	--	--	--	170	100	70
SEP									
11...	3.08	0	<10	10	20	20	280	--	140

385303079355839 - F04.0LAUREL FK @ HWY 33 BR @ WYMER WV LAT 38 53 03 LONG 079 35 58

APR , 1979									
16...	8.64	--	--	--	--	--	350	210	140
SEP									
11...	7.72	0	<10	<10	<10	<10	350	--	150

385152079332839 - F05.0DRY FK D/S STINKING RUN @ JOR WV LAT 38 51 52 LONG 079 33 28

APR , 1979									
16...	10.1	--	--	--	--	--	150	100	50
SEP									
11...	8.82	0	<10	10	20	30	200	--	60

385835079293639 - F06.0RED CR @ HWY 32 BR @ DRYFORK WV LAT 38 58 35 LONG 079 29 36

APR , 1979									
16...	9.41	--	--	--	--	--	90	30	60
SEP									
11...	6.37	0	<10	10	10	<10	130	--	30

390212079264239 - F07.0BLACKWATER R @ HWY 32 BR @ CANAAN VLY ST FK LAT 39 02 12 LONG 079 26 42

APR , 1979									
16...	2.38	--	--	--	--	--	530	240	290
SEP									
11...	1.45	0	<10	10	<10	<10	910	--	280

390856079261839 - F08.0BEAVER CR @ HWY 93 BR NR DAVIS WV LAT 39 08 56 LONG 079 26 18

APR , 1979									
16...	18.0	--	--	--	--	--	2800	300	2500
SEP									
11...	10.1	0	<10	10	10	20	2700	--	2400

390820079304039 - F09.0N FK BLACKWATER R @ HWY 27 BR @ COKETON WV LAT 39 08 20 LONG 079 30 40

APR , 1979									
16...	10.6	--	--	--	--	--	800	740	60
SEP									
11...	9.76	0	<10	<10	30	20	2100	--	140

391108079354239 - F10.0HORSESHOE RUN @ HWY 9 BR @ LEAD MINE WV LAT 39 11 08 LONG 079 35 42

APR , 1979									
17...	5.12	--	--	--	--	--	120	40	80
SEP									
12...	1.89	0	<10	<10	10	<10	100	--	30

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PR)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	---	--	---	--

MONONGAHELA RIVER BASIN--Continued

384827079441639 - F02.0SHAVERS FK @ BEMIS WV LAT 38 48 27 LONG 079 44 16

APR , 1979									
16...	--	--	40	0	40	--	--	--	--
SEP									
11...	20	13000	220	210	9	390	.00	0	60

385333079384039 - F03.0GLADY FK @ HWY 33 BR @ ALPENA WV LAT 38 53 33 LONG 079 38 40

APR , 1979									
16...	--	--	10	0	10	--	--	--	--
SEP									
11...	20	18000	20	10	10	1100	.00	0	100

385303079355839 - F04.0LAUREL FK @ HWY 33 BR @ WYMER WV LAT 38 53 03 LONG 079 35 58

APR , 1979									
16...	--	--	20	20	0	--	--	--	--
SEP									
11...	40	11000	10	0	10	440	.00	0	50

385152079332839 - F05.0DRY FK D/S STINKING RUN @ JOB WV LAT 38 51 52 LONG 079 33 28

APR , 1979									
16...	--	--	10	10	0	--	--	--	--
SEP									
11...	20	34000	20	20	4	890	.00	0	80

385835079293639 - F06.0RED CR @ HWY 32 BR @ DRYFORK WV LAT 38 58 35 LONG 079 29 36

APR , 1979									
16...	--	--	30	10	20	--	--	--	--
SEP									
11...	10	12000	50	40	10	360	.00	0	50

390212079264239 - F07.0BLACKWATER R @ HWY 32 BR @ CANAAN VLY ST PK LAT 39 02 12 LONG 079 26 42

APR , 1979									
16...	--	--	60	0	60	--	--	--	--
SEP									
11...	20	7700	230	160	70	440	.00	0	60

390856079261839 - F08.0BEAVER CR @ HWY 93 BR NR DAVIS WV LAT 39 08 56 LONG 079 26 18

APR , 1979									
16...	--	--	1300	670	630	--	--	--	--
SEP									
11...	10	25000	2400	0	2400	90	.00	0	40

390820079304039 - F09.0N FK BLACKWATER R @ HWY 27 BR @ COKETON WV LAT 39 08 20 LONG 079 30 40

APR , 1979									
16...	--	--	670	220	450	--	--	--	--
SEP									
11...	30	15000	2200	0	2200	510	.00	0	130

391108079354239 - F10.0HORSESHOE RUN @ HWY 9 BR @ LEAD MINE WV LAT 39 11 08 LONG 079 35 42

APR , 1979									
17...	--	--	10	10	0	--	--	--	--
SEP									
12...	10	16000	30	30	2	340	.00	0	40

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
MONONGAHELA RIVER BASIN--Continued										
391000079421039 - F11.0MINEAR RUN @ HWY 5 BR @ ST. GEORGE WV LAT 39 10 00 LONG 079 42 10										
APR , 1979										
17...	0910	25	50	7.3	6.0	24	8	.0	.0	3.2
SEP										
12...	1040	5.5	20	6.4	18.0	14	6	.0	.0	3.4
390853079424839 - F12.0CLOVER RUN @ HWY 21 BR @ ST. GEORGE WV LAT 39 08 53 LONG 079 42 48										
APR , 1979										
17...	0940	73	50	7.2	6.5	12	6	.0	.0	2.8
SEP										
12...	0940	13	25	6.5	17.0	15	6	.0	.0	4.0
391719079421639 - F13.0BUFFALO CR @ HWY 72/3 BR NR ROWLESBURG WV LAT 39 17 19 LONG 079 42 16										
APR , 1979										
17...	1035	24	50	7.1	7.0	13	8	.0	.0	3.5
SEP										
13...	0925	4.4	70	7.0	16.0	24	8	.0	.0	6.8
392105079394839 - F14.0SALTICK CR @ RR BR @ ROWLESBURG WV LAT 39 21 05 LONG 079 39 48										
APR , 1979										
17...	1120	55	85	7.3	7.5	23	6	.0	.0	6.4
SEP										
13...	0830	9.1	105	7.5	16.0	39	14	.0	.0	11
393518079355639 - F15.0MUDDY CR @ HWY 3 BR NR CUZZART WV LAT 39 35 18 LONG 079 35 56										
APR , 1979										
17...	1345	38	150	5.1	7.5	37	35	.0	.0	10
SEP										
12...	1235	20	115	5.4	18.0	41	35	.0	.0	11
393052079384239 - F16.0MUDDY CR @ HWY 26/23 BR @ RUTHBELLE WV LAT 39 30 52 LONG 079 38 42										
APR , 1979										
17...	1300	73	610	4.0	7.5	160	160	2.0	99	39
SEP										
12...	1330	37	680	2.0	18.0	190	190	3.0	149	46
394149079370839 - F17.0BIG SANDY CR @ HWY 4 BR @ CLIFTON MILLS WV LAT 39 41 49 LONG 079 37 08										
APR , 1979										
18...	1530	254	52	7.2	13.0	15	3	.0	.0	4.1
SEP										
12...	0900	69	60	5.8	15.5	18	9	.0	.0	4.9
394036079373539 - F18.0GLADE RUN @ HWY 8 BR @ BRANDONVILLE WV LAT 39 40 36 LONG 079 37 35										
APR , 1979										
18...	1700	9.6	190	5.5	10.5	87	71	.0	.0	21
SEP										
12...	0945	4.1	345	6.4	15.0	170	150	.0	.0	40
393838079361239 - F19.0L SANDY CR @ HWY 3/4 BR NR BRANDONVILLE WV LAT 39 38 38 LONG 079 36 12										
APR , 1979										
19...	1510	61	105	6.6	11.0	43	40	.0	.0	11
SEP										
12...	1045	29	185	5.6	15.0	69	61	.0	.0	18

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

MONONGAHELA RIVER BASIN--Continued

391000079421039 - F11.0MINEAR RUN @ HWY 5 BR @ ST. GEORGE WV LAT 39 10 00 LONG 079 42 10

APR , 1979									
17...	3.8	--	--	16	--	7.9	.8	23	.03
SEP									
12...	1.3	1.2	.1	8	6.2	5.9	.7	30	.04

390853079424839 - F12.0CLOVER RUN @ HWY 21 BR @ ST. GEORGE WV LAT 39 08 53 LONG 079 42 48

APR , 1979									
17...	1.1	--	--	6	--	7.3	1.6	24	.03
SEP									
12...	1.3	1.7	.2	10	5.6	6.1	1.2	32	.04

391719079421639 - F13.0BUFFALO CR @ HWY 72/3 BR NR ROWLESBURG WV LAT 39 17 19 LONG 079 42 16

APR , 1979									
17...	1.0	--	--	5	--	7.2	1.5	31	.04
SEP									
13...	1.6	2.0	.2	17	3.1	6.1	1.5	42	.06

392105079394839 - F14.0SALTICK CR @ RR BR @ ROWLESBURG WV LAT 39 21 05 LONG 079 39 48

APR , 1979									
17...	1.8	--	--	17	--	13	1.9	48	.07
SEP									
13...	2.7	2.7	.2	27	1.5	13	2.5	60	.08

393518079355639 - F15.0MUDDY CR @ HWY 3 BR NR CUZZART WV LAT 39 35 18 LONG 079 35 56

APR , 1979									
17...	2.8	--	--	2	--	34	1.4	65	.09
SEP									
12...	3.3	.8	.1	3	47	37	1.5	75	.10

393052079384239 - F16.0MUDDY CR @ HWY 26/23 BR @ RUTHBELLE WV LAT 39 30 52 LONG 079 38 42

APR , 1979									
17...	16	--	--	0	--	230	2.6	384	.52
SEP									
12...	18	2.9	.1	0	.0	270	2.0	467	.64

394149079370839 - F17.0BIG SANDY CR @ HWY 4 BR @ CLIFTON MILLS WV LAT 39 41 49 LONG 079 37 08

APR , 1979									
18...	1.1	--	--	12	--	11	3.0	36	.05
SEP									
12...	1.3	1.6	.2	5	28	12	2.7	41	.06

394036079373539 - F18.0GLADE RUN @ HWY 8 BR @ BRANDONVILLE WV LAT 39 40 36 LONG 079 37 35

APR , 1979									
18...	8.5	--	--	16	--	74	2.7	133	.18
SEP									
12...	16	1.6	.1	16	12	140	2.8	245	.33

393838079361239 - F19.0L SANDY CR @ HWY 3/4 BR NR BRANDONVILLE WV LAT 39 38 38 LONG 079 36 12

APR , 1979									
19...	3.7	--	--	3	--	43	3.3	80	.11
SEP									
12...	5.8	3.1	.2	8	39	63	2.9	123	.17

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	---	--	--	---	---	--

MONONGAHELA RIVER BASIN--Continued

391000079421039 - F11.0MINEAR RUN @ HWY 5 BR @ ST. GEORGE WV LAT 39 10 00 LONG 079 42 10

APR , 1979									
17...	1.55	--	--	--	--	--	180	130	50
SEP									
12...	.45	0	<10	<10	20	10	90	--	20

390853079424839 - F12.0CLOVER RUN @ HWY 21 BR @ ST. GEORGE WV LAT 39 08 53 LONG 079 42 48

APR , 1979									
17...	4.73	--	--	--	--	--	210	180	30
SEP									
12...	1.14	0	<10	<10	<10	<10	90	--	10

391719079421639 - F13.0BUFFALO CR @ HWY 72/3 BR NR ROWLESBURG WV LAT 39 17 19 LONG 079 42 16

APR , 1979									
17...	2.01	--	--	--	--	--	220	200	20
SEP									
13...	.50	1	<10	<10	<10	<10	120	--	20

392105079394839 - F14.0SALTICK CR @ RR BR @ ROWLESBURG WV LAT 39 21 05 LONG 079 39 48

APR , 1979									
17...	7.13	--	--	--	--	--	140	120	20
SEP									
13...	1.49	0	<10	10	10	20	150	--	60

393518079355639 - F15.0MUDDY CR @ HWY 3 BR NR CUZZART WV LAT 39 35 18 LONG 079 35 56

APR , 1979									
17...	6.67	--	--	--	--	--	1100	1000	90
SEP									
12...	4.19	0	<10	<10	<10	<10	640	--	60

393052079384239 - F16.0MUDDY CR @ HWY 26/23 BR @ RUTHBELLE WV LAT 39 30 52 LONG 079 38 42

APR , 1979									
17...	75.7	--	--	--	--	--	11000	4600	6400
SEP									
12...	47.5	0	<10	20	<10	20	14000	--	7200

394149079370839 - F17.0BIG SANDY CR @ HWY 4 BR @ CLIFTON MILLS WV LAT 39 41 49 LONG 079 37 08

APR , 1979									
18...	24.7	--	--	--	--	--	220	180	40
SEP									
12...	7.64	0	<10	<10	<10	<10	450	--	160

394036079373539 - F18.0GLADE RUN @ HWY 8 BR @ BRANDONVILLE WV LAT 39 40 36 LONG 079 37 35

APR , 1979									
18...	3.45	--	--	--	--	--	690	630	60
SEP									
12...	2.72	0	<10	<10	<10	<10	170	--	40

393838079361239 - F19.0L SANDY CR @ HWY 3/4 BR NR BRANDONVILLE WV LAT 39 38 38 LONG 079 36 12

APR , 1979									
19...	13.2	--	--	--	--	--	1300	420	880
SEP									
12...	9.76	0	<10	<10	10	<10	320	--	150

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECCV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	---	--	---	--

MONONGAHELA RIVER BASIN--Continued

391000079421039 - F11.0MINEAR RUN @ HWY 5 BR @ ST. GEORGE WV LAT 39 10 00 LONG 079 42 10

APR , 1979									
17...	--	--	10	10	0	--	--	--	--
SEP									
12...	20	24000	20	20	1	550	.00	0	60

390853079424839 - F12.0CLOVER RUN @ HWY 21 BR @ ST. GEORGE WV LAT 39 08 53 LONG 079 42 48

APR , 1979									
17...	--	--	0	0	0	--	--	--	--
SEP									
12...	10	11000	20	20	1	420	.00	0	30

391719079421639 - F13.0BUFFALO CR @ HWY 72/3 BR NR ROWLESBURG WV LAT 39 17 19 LONG 079 42 16

APR , 1979									
17...	--	--	0	0	0	--	--	--	--
SEP									
13...	<10	13000	10	4	6	370	.00	0	40

392105079394839 - F14.0SALTICK CR @ RR BR @ ROWLESBURG WV LAT 39 21 05 LONG 079 39 48

APR , 1979									
17...	--	--	0	0	0	--	--	--	--
SEP									
13...	40	16000	220	200	20	570	.00	0	60

393518079355639 - F15.0MUDDY CR @ HWY 3 BR NR CUZZART WV LAT 39 35 18 LONG 079 35 56

APR , 1979									
17...	--	--	360	0	360	--	--	--	--
SEP									
12...	20	7200	420	10	410	310	.00	0	90

393052079384239 - F16.0MUDDY CR @ HWY 26/23 BR @ RUTHBELLE WV LAT 39 30 52 LONG 079 38 42

APR , 1979									
17...	--	--	2200	0	2200	--	--	--	--
SEP									
12...	40	52000	3300	0	3300	230	.00	0	30

394149079370839 - F17.0BIG SANDY CR @ HWY 4 BR @ CLIFTON MILLS WV LAT 39 41 49 LONG 079 37 08

APR , 1979									
18...	--	--	40	0	50	--	--	--	--
SEP									
12...	<10	7200	90	30	60	300	.00	0	50

394036079373539 - F18.0GLADE RUN @ HWY 8 BR @ BRANDONVILLE WV LAT 39 40 36 LONG 079 37 35

APR , 1979									
18...	--	--	1000	0	1000	--	--	--	--
SEP									
12...	<10	5700	970	0	1000	1100	.00	0	20

393838079361239 - F19.0L SANDY CR @ HWY 3/4 BR NR BRANDONVILLE WV LAT 39 38 38 LONG 079 36 12

APR , 1979									
19...	--	--	550	0	570	--	--	--	--
SEP									
12...	10	7300	770	0	810	540	.00	0	40

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
MONONGAHELA RIVER BASIN--Continued										
393736079355839 - F20.0BEAVER CR @ HWY 3/4 BR NR BRANDONVILLE WV LAT 39 37 36 LONG 079 35 58										
APR , 1979										
19...	1605	21	140	5.7	11.0	58	55	.0	.0	14
SEP										
12...	1140	13	165	4.2	15.0	59	57	.0	.0	14
393903079432039 - F21.0LAUREL RUN @ HWY 73/73 BR NR LAUREL RUN WV LAT 39 39 03 LONG 079 43 20										
APR , 1979										
21...	0745	35	70	6.9	6.0	18	6	.0	.0	5.2
SEP										
12...	0800	17	60	7.0	15.0	22	10	.0	.0	6.5
394208080180239 - G01.0WEST VIRGINIA FK @ HWY 7 BR @ WANNA WV LAT 39 42 08 LONG 080 18 02										
MAY , 1979										
22...	1115	8.6	120	6.9	15.5	64	27	.0	.0	19
SEP										
13...	1615	1.3	215	7.0	23.0	83	20	.0	.0	25
394212080152739 - G02.0MIRACLE RUN @ HWY 7 BR @ BULA WV LAT 39 42 12 LONG 080 15 27										
MAY , 1979										
22...	1225	4.6	260	6.6	19.0	110	53	.0	.0	32
SEP										
13...	1900	2.1	370	7.5	25.0	130	41	.0	.0	37
394227080065739 - G03.0DOLLS RUN @ HWY 7 BR NR CORE WV LAT 39 42 27 LONG 080 06 57										
MAY , 1979										
22...	1415	3.4	8000	7.9	20.0	370	290	.0	.0	110
SEP										
13...	1800	1.4	2350	7.8	22.0	540	410	.0	.0	140
391752079293039 - H01.0MAPLE RUN @ HWY 24/1 BR NR EGLON WV LAT 39 17 52 LONG 079 29 30										
APR , 1979										
19...	0800	15	50	6.8	6.0	16	1	.0	.0	4.1
SEP										
13...	1035	3.2	75	6.7	17.0	24	9	.0	.0	6.7
391952079303339 - H02.0RHINE CR @ HWY 108 BR @ BROOKSIDE WV LAT 39 19 52 LONG 079 30 33										
APR , 1979										
19...	0650	17	50	6.6	5.5	17	3	.0	.0	5.0
SEP										
13...	1115	5.2	70	6.0	15.0	22	10	.0	.0	6.8
392258079293139 - H03.0LAUREL RN @ HWY 94/2 BR @ TURNER DOUGLAS WV LAT 39 22 58 LONG 079 29 31										
APR , 1979										
19...	1000	11	75	4.5	9.0	16	16	.4	20	4.1
SEP										
13...	1245	6.5	160	3.2	18.0	27	27	.9	45	7.7
392512079294139 - H04.0SNOWY CR @ HWY 98 BR @ CORINTH WV LAT 39 25 12 LONG 079 29 41										
APR , 1979										
19...	1130	47	75	6.1	8.0	30	27	.0	.0	8.7
SEP										
13...	1315	20	120	6.0	16.0	43	29	.0	.0	13

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

MONONGAHELA RIVER BASIN--Continued

393736079355839 - F20.0BEAVER CR @ HWY 3/4 BR NR BRANDONVILLE WV LAT 39 37 36 LONG 079 35 58

APR , 1979									
19...	5.7	--	--	3	--	62	2.5	119	.16
SEP									
12...	5.8	.1	.0	0	246	56	2.0	98	.13

393903079432039 - F21.0LAUREL RUN @ HWY 73/73 BR NR LAUREL RUN WV LAT 39 39 03 LONG 079 43 20

APR , 1979									
21...	1.2	--	--	12	--	13	2.4	38	.05
SEP									
12...	1.4	.2	.0	10	2.3	13	1.7	38	.05

394208080180239 - G01.0WEST VIRGINIA FK @ HWY 7 BR @ WANNA WV LAT 39 42 08 LONG 080 18 02

MAY , 1979									
22...	4.1	--	--	37	--	26	4.2	93	.13
SEP									
13...	5.0	9.7	.5	66	12	22	11	124	.17

394212080152739 - G02.0MIRACLE RUN @ HWY 7 BR @ BULA WV LAT 39 42 12 LONG 080 15 27

MAY , 1979									
22...	7.5	--	--	58	--	63	13	288	.39
SEP									
13...	8.1	33	1.3	86	5.2	75	21	239	.33

394227080065739 - G03.0DOLLS RUN @ HWY 7 BR NR CORE WV LAT 39 42 27 LONG 080 06 57

MAY , 1979									
22...	22	--	--	77	--	4700	97	7000	9.52
SEP									
13...	45	320	6.0	130	4.0	1000	37	1840	2.50

391752079293039 - H01.0MAPLE RUN @ HWY 24/1 BR NR EGLON WV LAT 39 17 52 LONG 079 29 30

APR , 1979									
19...	1.4	--	--	15	--	6.3	2.9	40	.05
SEP									
13...	1.8	1.8	.2	16	5.8	5.1	3.6	47	.06

391952079303339 - H02.0RHINE CR @ HWY 108 BR @ BROOKSIDE WV LAT 39 19 52 LONG 079 30 33

APR , 1979									
19...	1.0	--	--	14	--	6.8	3.5	39	.05
SEP									
13...	1.2	2.6	.2	12	23	5.9	7.2	46	.06

392258079293139 - H03.0LAUREL RN @ HWY 94/2 BR @ TURNER DOUGLAS WV LAT 39 22 58 LONG 079 29 31

APR , 1979									
19...	1.4	--	--	0	--	23	.5	43	.06
SEP									
13...	2.0	.6	.1	0	.0	49	.5	97	.13

392512079294139 - H04.0SNOWY CR @ HWY 98 BR @ CORINTH WV LAT 39 25 12 LONG 079 29 41

APR , 1979									
19...	1.9	--	--	3	--	26	3.1	51	.07
SEP									
13...	2.5	2.4	.2	11	27	32	3.4	75	.10

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--	--

MONONGAHELA RIVER BASIN--Continued

393736079355839 - F20.0BEAVER CR @ HWY 3/4 BR NR BRANDONVILLE WV LAT 39 37 36 LONG 079 35 58

APR , 1979									
19...	6.75	--	--	--	--	--	450	220	230
SEP									
12...	3.49	0	<10	<10	10	<10	410	--	120

393903079432039 - F21.0LAUREL RUN @ HWY 73/73 BR NR LAUREL RUN WV LAT 39 39 03 LONG 079 43 20

APR , 1979									
21...	3.59	--	--	--	--	--	150	100	50
SEP									
12...	1.74	0	<10	<10	20	<10	120	--	30

394208080180239 - G01.0WEST VIRGINIA FK @ HWY 7 BR @ WANNA WV LAT 39 42 08 LONG 080 18 02

MAY , 1979									
22...	2.16	--	--	--	--	--	660	590	70
SEP									
13...	.44	0	<10	30	<10	10	460	--	170

394212080152739 - G02.0MIRACLE RUN @ HWY 7 BR @ BULA WV LAT 39 42 12 LONG 080 15 27

MAY , 1979									
22...	3.65	--	--	--	--	--	470	420	50
SEP									
13...	1.36	0	<10	<10	<10	10	520	--	50

394227080065739 - G03.0DOLLS RUN @ HWY 7 BR NR CORE WV LAT 39 42 27 LONG 080 06 57

MAY , 1979									
22...	65.8	--	--	--	--	--	330	290	40
SEP									
13...	6.96	0	<10	10	20	20	270	--	40

391752079293039 - H01.0MAPLE RUN @ HWY 24/1 BR NR EGLON WV LAT 39 17 52 LONG 079 29 30

APR , 1979									
19...	1.62	--	--	--	--	--	730	680	50
SEP									
13...	.41	0	<10	<10	<10	<10	1100	--	310

391952079303339 - H02.0RHINE CR @ HWY 108 BR @ BROOKSIDE WV LAT 39 19 52 LONG 079 30 33

APR , 1979									
19...	1.79	--	--	--	--	--	150	120	30
SEP									
13...	.65	0	<10	<10	<10	<10	460	--	170

392258079293139 - H03.0LAUREL RN @ HWY 94/2 BR @ TURNER DOUGLAS WV LAT 39 22 58 LONG 079 29 31

APR , 1979									
19...	1.28	--	--	--	--	--	790	160	630
SEP									
13...	1.73	0	<10	30	<10	20	800	--	700

392512079294139 - H04.0SNOWY CR @ HWY 98 BR @ CORINTH WV LAT 39 25 12 LONG 079 29 41

APR , 1979									
19...	6.47	--	--	--	--	--	1500	1400	90
SEP									
13...	4.09	0	<10	10	20	30	2100	--	150

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	--	--	---	--

MONONGAHELA RIVER BASIN--Continued

393736079355839 - F20.0BEAVER CR @ HWY 3/4 BR NR BRANDONVILLE WV LAT 39 37 36 LONG 079 35 58

APR , 1979									
19...	--	--	780	0	780	--	--	--	--
SEP									
12...	20	5400	930	0	960	.300	.00	0	30

393903079432039 - F21.0LAUREL RUN @ HWY 73/73 BR NR LAUREL RUN WV LAT 39 39 03 LONG 079 43 20

APR , 1979									
21...	--	--	30	0	30	--	--	--	--
SEP									
12...	<10	8800	50	20	30	.440	.00	0	50

394208080180239 - G01.0WEST VIRGINIA FK @ HWY 7 BR @ WANNA WV LAT 39 42 08 LONG 080 18 02

MAY , 1979									
22...	--	--	50	0	60	--	--	--	--
SEP									
13...	50	18000	100	20	80	.740	.00	0	50

394212080152739 - G02.0MIRACLE RUN @ HWY 7 BR @ BULA WV LAT 39 42 12 LONG 080 15 27

MAY , 1979									
22...	--	--	160	0	160	--	--	--	--
SEP									
13...	20	16000	110	10	100	.480	.00	0	50

394227080065739 - G03.0DOLLS RUN @ HWY 7 BR NR CORE WV LAT 39 42 27 LONG 080 06 57

MAY , 1979									
22...	--	--	360	10	350	--	--	--	--
SEP									
13...	60	20000	60	20	40	.950	.00	0	60

391752079293039 - H01.0MAPLE RUN @ HWY 24/1 BR NR EGLON WV LAT 39 17 52 LONG 079 29 30

APR , 1979									
19...	--	--	40	10	30	--	--	--	--
SEP									
13...	<10	3700	100	10	90	.370	.00	0	40

391952079303339 - H02.0RHINE CR @ HWY 108 BR @ BROOKSIDE WV LAT 39 19 52 LONG 079 30 33

APR , 1979									
19...	--	--	20	20	0	--	--	--	--
SEP									
13...	30	8100	260	240	20	.370	.00	0	50

392258079293139 - H03.0LAUREL RN @ HWY 94/2 BR @ TURNER DOUGLAS WV LAT 39 22 58 LONG 079 29 31

APR , 1979									
19...	--	--	230	0	260	--	--	--	--
SEP									
13...	20	70000	1000	0	1000	160	.00	0	50

392512079294139 - H04.0SNOWY CR @ HWY 98 BR @ CORINTH WV LAT 39 25 12 LONG 079 29 41

APR , 1979									
19...	--	--	180	0	200	--	--	--	--
SEP									
13...	60	24000	290	10	280	.890	.00	0	180



FIGURE 4.--LOCATION OF SAMPLING SITES IN THE SMALL OHIO RIVER TRIBUTARY BASINS

Table 3.--Name, location, and drainage area for sites in the small Ohio River tributary basins.

Local No.	Name	County	Drain. Area (Mi ²)	Data Begins Page No.	Local No.	Name	County	Drain. Area (Mi ²)	Data Begins Page No.
I01.0	Tomlinson Run	Hancock	23.4	54	K04.0	Piney Fork	Wetzel	10.3	62
I02.0	Kings Creek	"	49.0	"	K05.0	Little Fishing Creek	"	34.7	"
I03.0	Harmon Creek	Brook	32.3	"	K06.0	Meathouse Fork	Doddridge	29.8	"
I04.0	Cross Creek	"	70.6	"	K07.0	Toms Fork	"	12.8	"
J01.0	Buffalo Creek	"	53.3	"	K08.0	Buckeye Run	"	38.7	"
J02.0	Short Creek	Ohio	16.5	"	K09.0	Arnold Creek	"	20.6	"
J03.0	Wheeling Creek	Marshall	181.	"	K10.0	McElroy Creek	"	57.2	66
J04.0	Little Wheeling Creek	Ohio	19.8	"	K11.0	Flint Run	"	19.5	"
J05.0	Middle Wheeling Creek	"	33.8	"	K12.0	Indian Creek	Tyler	24.0	"
J06.0	Wheeling Creek	"	282.	58	K13.0	Pleasant Creek	"	22.5	"
J07.0	Little Grave Creek	Marshall	10.7	"	K14.0	Elk Fork	"	21.1	"
J08.0	Grave Creek	"	7.50	"	K15.0	Sancho Creek	"	13.1	"
J09.0	Middle Grave Creek	"	28.4	"	K16.0	Middle Island Creek	"	458.	70
J10.0	Penn Fk Fish Creek	"	43.3	"	K17.0	Sugar Creek	Pleasants	17.8	"
J11.0	West Va Fk Fish Creek	"	86.4	"	K18.0	McKim Creek	"	16.4	"
J12.0	Whetstone Creek	"	15.0	"	K19.0	L Fk French Creek	"	8.96	"
K01.0	S Fk Fishing Creek	Wetzel	62.8	62	L01.0	Oldtown Creek	Mason	35.2	"
K02.0	N Fk Fishing Creek	"	10.1	"	L02.0	Tenmile Creek	"	9.19	"
K03.0	Wiley Fork	"	15.5	"					

OHIO RIVER BASIN

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
TOMLINSON RUN BASIN										
403253080354639 - I01.0TOMLINSON RUN @ HWY 3 BR IN STATE PARK LAT 40 32 53 LONG 080 35 46										
MAY , 1979										
22...	0730	8.4	240	8.0	15.0	120	72	.0	.0	35
SEP										
11...	0845	3.6	295	7.2	18.5	120	58	.0	.0	35
KINGS CREEK BASIN										
402608080353439 - I02.0KINGS CR @ HWY 11/5 BR @ WEIRTON WV LAT 40 26 08 LONG 080 35 34										
MAY , 1979										
22...	0850	30	380	8.5	13.0	220	140	.0	.0	61
SEP										
11...	1000	15	430	7.7	17.0	210	110	.0	.0	59
HARMON CREEK BASIN										
402333080340739 - I03.0HARMON CR @ HWY 1 BR @ WEIRTON WV LAT 40 23 33 LONG 080 34 07										
MAY , 1979										
22...	1110	21	1100	8.3	15.0	740	660	.0	.0	200
SEP										
11...	1145	17	1320	8.0	19.5	760	670	.0	.0	200
CROSS CREEK BASIN										
401823080335739 - I04.0CROSS CR @ HWY 7/6 BR @ LOUISE WV LAT 40 18 23 LONG 080 33 57										
MAY , 1979										
22...	1305	36	700	8.3	18.5	420	290	.0	.0	110
SEP										
11...	1300	34	725	8.1	20.0	400	250	.0	.0	110
BUFFALO CREEK BASIN										
401436080355039 - J01.0BUFFALO CR @ HWY 27/4 BR @ MCKINLEYVILLE WV LAT 40 14 36 LONG 080 35 50										
MAY , 1979										
22...	1450	71	420	8.3	21.0	230	92	.0	.0	70
SEP										
11...	1430	27	445	8.1	22.0	130	23	.0	.0	43
SHORT CREEK BASIN										
400908080385939 - J02.0SHORT CR @ HWY 1 BR NR CLEARVIEW WV LAT 40 09 08 LONG 080 38 59										
MAY , 1979										
22...	1630	5.7	610	8.2	21.0	270	110	.0	.0	76
SEP										
11...	1600	2.6	795	8.1	23.5	320	130	.0	.0	90
WHEELING CREEK BASIN										
395744080352939 - J03.0WHEELING CR @ HWY 7 BR @ VIOLA WV LAT 39 57 44 LONG 080 35 29										
MAY , 1979										
31...	1400	428	190	7.9	16.0	100	47	.0	.0	34
SEP										
10...	1430	11	260	8.0	22.5	280	120	.0	.0	84
400326080371039 - J04.0L WHEELING CR @ U S 40 BR @ TRIADELPHIA WV LAT 40 03 26 LONG 080 37 10										
MAY , 1979										
22...	1800	5.4	660	8.4	21.0	250	110	.0	.0	77
SEP										
10...	1100	1.5	705	8.0	18.0	350	160	.0	.0	110
400235080373639 - J05.0M WHEELING CR 1/4 M U/S I70 BR TRIADELPHIA LAT 40 02 35 LONG 080 37 36										
MAY , 1979										
30...	1550	149	270	8.1	15.0	130	61	.0	.0	44
SEP										
10...	1230	2.0	520	7.9	21.5	230	79	.0	.0	72

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	------------------------------------	---	---	---	--	---

TOMLINSON RUN BASIN--Continued

403253080354639 - I01.0TOMLINSON RUN @ HWY 3 BR IN STATE PARK LAT 40 32 53 LONG 080 35 46

MAY , 1979									
22...	9.1	--	--	53	--	57	15	181	.25
SEP									
11...	8.9	11	.4	67	8.1	54	16	217	.30

KINGS CREEK BASIN--Continued

402608080353439 - I02.0KINGS CR @ HWY 11/5 BR @ WEIRTON WV LAT 40 26 08 LONG 080 35 34

MAY , 1979									
22...	16	--	--	80	--	120	16	297	.40
SEP									
11...	15	12	.4	101	3.8	100	19	320	.44

HARMON CREEK BASIN--Continued

402333080340739 - I03.0HARMON CR @ HWY 1 BR @ WEIRTON WV LAT 40 23 33 LONG 080 34 07

MAY , 1979									
22...	59	--	--	85	--	560	56	1080	1.47
SEP									
11...	63	21	.3	94	1.7	590	53	1210	1.65

CROSS CREEK BASIN--Continued

401823080335739 - I04.0CROSS CR @ HWY 7/6 BR @ LOUISE WV LAT 40 18 23 LONG 080 33 57

MAY , 1979									
22...	35	--	--	130	--	310	9.3	683	.93
SEP									
11...	31	30	.7	155	2.3	250	10	575	.78

BUFFALO CREEK BASIN--Continued

401436080355039 - J01.0BUFFALO CR @ HWY 27/4 BR @ MCKINLEYVILLE WV LAT 40 14 36 LONG 080 35 50

MAY , 1979									
22...	14	--	--	140	--	25	13	412	.56
SEP									
11...	6.3	7.1	.3	110	1.7	32	5.2	165	.22

SHORT CREEK BASIN--Continued

400908080385939 - J02.0SHORT CR @ HWY 1 BR NR CLEARVIEW WV LAT 40 09 08 LONG 080 38 59

MAY , 1979									
22...	20	--	--	160	--	180	27	577	.78
SEP									
11...	22	86	2.1	190	2.9	230	38	617	.84

WHEELING CREEK BASIN--Continued

395744080352939 - J03.0WHEELING CR @ HWY 7 BR @ VIOLA WV LAT 39 57 44 LONG 080 35 29

MAY , 1979									
31...	4.6	--	--	57	--	38	2.3	239	.33
SEP									
10...	18	21	.5	160	3.1	110	14	383	.52

400326080371039 - J04.0L WHEELING CR @ U S 40 BR @ TRIADDELPHIA WV LAT 40 03 26 LONG 080 37 10

MAY , 1979									
22...	14	--	--	140	--	170	61	598	.81
SEP									
10...	18	47	1.1	190	3.7	170	34	528	.72

400235080373639 - J05.0M WHEELING CR 1/4 M U/S I70 BR TRIADDELPHIA LAT 40 02 35 LONG 080 37 36

MAY , 1979									
30...	6.0	--	--	74	--	54	10	296	.40
SEP									
10...	12	35	1.0	150	3.7	96	34	359	.49

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--	--

TOMLINSON RUN BASIN--Continued

403253080354639 - I01.0TOMLINSON RUN @ HWY 3 BR IN STATE PARK LAT 40 32 53 LONG 080 35 46

MAY , 1979									
22...	4.13	--	--	--	--	--	370	370	0
SEP									
11...	2.11	0	<10	<10	<10	<10	250	--	40

KINGS CREEK BASIN--Continued

402608080353439 - I02.0KINGS CR @ HWY 11/5 BR @ WEIRTON WV LAT 40 26 08 LONG 080 35 34

MAY , 1979									
22...	24.6	--	--	--	--	--	150	150	0
SEP									
11...	13.4	0	<10	20	<10	10	110	--	30

HARMON CREEK BASIN--Continued

402333080340739 - I03.0HARMON CR @ HWY 1 BR @ WEIRTON WV LAT 40 23 33 LONG 080 34 07

MAY , 1979									
22...	63.0	--	--	--	--	--	200	200	0
SEP									
11...	57.8	0	<10	20	30	20	100	--	30

CROSS CREEK BASIN--Continued

401823080335739 - I04.0CROSS CR @ HWY 7/6 BR @ LOUISE WV LAT 40 18 23 LONG 080 33 57

MAY , 1979									
22...	67.1	--	--	--	--	--	250	210	40
SEP									
11...	53.3	0	<10	10	20	20	150	--	10

BUFFALO CREEK BASIN--Continued

401436080355039 - J01.0BUFFALO CR @ HWY 27/4 BR @ MCKINLEYVILLE WV LAT 40 14 36 LONG 080 35 50

MAY , 1979									
22...	79.6	--	--	--	--	--	540	510	30
SEP									
11...	12.0	0	<10	10	10	20	230	--	30

SHORT CREEK BASIN--Continued

400908080385939 - J02.0SHORT CR @ HWY 1 BR NR CLEARVIEW WV LAT 40 09 08 LONG 080 38 59

MAY , 1979									
22...	8.93	--	--	--	--	--	2900	2900	30
SEP									
11...	4.35	0	<10	20	20	30	1100	--	40

WHEELING CREEK BASIN--Continued

395744080352939 - J03.0WHEELING CR @ HWY 7 BR @ VIOLA WV LAT 39 57 44 LONG 080 35 29

MAY , 1979									
31...	276	--	--	--	--	--	710	670	40
SEP									
10...	11.9	0	<10	20	20	20	330	--	30

400326080371039 - J04.0L WHEELING CR @ U S 40 BR @ TRIADELPHIA WV LAT 40 03 26 LONG 080 37 10

MAY , 1979									
22...	8.82	--	--	--	--	--	840	810	30
SEP									
10...	2.14	0	<10	20	30	30	430	--	50

400235080373639 - J05.0M WHEELING CR 1/4 M U/S I70 BR TRIADELPHIA LAT 40 02 35 LONG 080 37 36

MAY , 1979									
30...	119	--	--	--	--	--	2400	2400	50
SEP									
10...	2.01	0	<10	<10	10	<10	260	--	10

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	---	--	---	--

TOMLINSON RUN BASIN--Continued

403253080354639 - I01.0TOMLINSON RUN @ HWY 3 BR IN STATE PARK LAT 40 32 53 LONG 080 35 46

MAY , 1979									
22...	--	--	150	70	80	--	--	--	--
SEP									
11...	20	15000	270	250	20	1400	.00	0	50

KINGS CREEK BASIN--Continued

402608080353439 - I02.0KINGS CR @ HWY 11/5 BR @ WEIRTON WV LAT 40 26 08 LONG 080 35 34

MAY , 1979									
22...	--	--	30	0	30	--	--	--	--
SEP									
11...	30	14000	270	260	10	1100	.00	0	60

HARMON CREEK BASIN--Continued

402333080340739 - I03.0HARMON CR @ HWY 1 BR @ WEIRTON WV LAT 40 23 33 LONG 080 34 07

MAY , 1979									
22...	--	--	810	70	740	--	--	--	--
SEP									
11...	40	22000	760	0	810	3200	.00	0	140

CROSS CREEK BASIN--Continued

401823080335739 - I04.0CROSS CR @ HWY 7/6 BR @ LOUISE WV LAT 40 18 23 LONG 080 33 57

MAY , 1979									
22...	--	--	40	0	50	--	--	--	--
SEP									
11...	30	25000	20	0	20	1100	.00	0	80

BUFFALO CREEK BASIN--Continued

401436080355039 - J01.0BUFFALO CR @ HWY 27/4 BR @ MCKINLEYVILLE WV LAT 40 14 36 LONG 080 35 50

MAY , 1979									
22...	--	--	40	0	50	--	--	--	--
SEP									
11...	30	26000	60	40	20	1200	.00	0	60

SHORT CREEK BASIN--Continued

400908080385939 - J02.0SHORT CR @ HWY 1 BR NR CLEARVIEW WV LAT 40 09 08 LONG 080 38 59

MAY , 1979									
22...	--	--	90	10	80	--	--	--	--
SEP									
11...	40	44000	70	10	60	1300	.00	0	120

WHEELING CREEK BASIN--Continued

395744080352939 - J03.0WHEELING CR @ HWY 7 BR @ VIOLA WV LAT 39 57 44 LONG 080 35 29

MAY , 1979									
31...	--	--	30	0	40	--	--	--	--
SEP									
10...	30	50000	40	10	30	1500	.00	0	160

400326080371039 - J04.0L WHEELING CR @ U S 40 BR @ TRIADDELPHIA WV LAT 40 03 26 LONG 080 37 10

MAY , 1979									
22...	--	--	100	0	110	--	--	--	--
SEP									
10...	40	41000	290	0	290	1000	.00	0	180

400235080373639 - J05.0M WHEELING CR 1/4 M U/S I70 BR TRIADDELPHIA LAT 40 02 35 LONG 080 37 36

MAY , 1979									
30...	--	--	110	50	60	--	--	--	--
SEP									
10...	30	8900	60	30	30	510	.00	0	50

OHIO RIVER BASIN

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
------	------	---	--	---------------	-----------------------------	--	--	--	----------------------------------	--

WHEELING CREEK BASIN--Continued

400240080394039 - J06.0WHEELING CR @ ELM GROVE WV LAT 40 02 40 LONG 080 39 40

MAY , 1979										
17...	1330	296	220	8.6	9.5	110	40	.0	.0	36
SEP										
10...	1845	25	340	7.8	23.5	160	48	.0	.0	50

LITTLE GRAVE CREEK BASIN

395717080443539 - J07.0L GRAVE CR @ HWY 10 BR @ GLENDALE HEIGHT WV LAT 39 57 17 LONG 080 44 35

MAY , 1979										
30...	0920	34	320	8.4	12.0	180	82	.0	.0	56
SEP										
10...	1730	.62	415	7.7	23.0	190	60	.0	.0	58

GRAVE CREEK BASIN

395005080360239 - J08.0GRAVE CR @ HWY 62 BR @ LOUDENVILLE WV LAT 39 50 05 LONG 080 36 02

MAY , 1979										
31...	1045	13	240	7.8	14.5	110	50	.0	.0	37
SEP										
12...	0830	.70	455	7.2	18.0	170	47	.0	.0	54

395447080434239 - J09.0M GRAVE CR @ HWY 54 BR @ MOUNDSVILLE WV LAT 39 54 47 LONG 080 43 42

MAY , 1979										
21...	1445	27	275	8.8	22.0	160	65	.0	.0	52
SEP										
10...	1630	3.6	370	7.9	25.0	160	54	.0	.0	51

FISH CREEK BASIN

394533080334839 - J10.0PENN. FK FISH CR @ U.S. 250 BR @ BELLTON WV LAT 39 45 33 LONG 080 33 48

MAY , 1979										
31...	0900	59	140	8.2	15.0	74	33	.0	.0	23
SEP										
12...	0945	3.5	195	7.3	19.0	96	21	.0	.0	30

394403080345039 - J11.0W V FK FISH CR @ HWY 89 BR @ BANNEN WV LAT 39 44 03 LONG 080 34 50

MAY , 1979										
31...	0800	109	115	8.1	16.0	54	26	.0	.0	16
SEP										
12...	1030	6.4	200	7.8	20.0	76	18	.0	.0	23

394713080445839 - J12.0WHETSTONE CR @ HWY 74/1 BR NR MEIGHEN WV LAT 39 47 13 LONG 080 44 58

MAY , 1979										
30...	1115	35	175	8.3	14.0	93	40	.0	.0	29
SEP										
11...	1815	1.2	250	8.1	24.0	130	37	.0	.0	40

OHIO RIVER BASIN

59

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	JHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

WHEELING CREEK BASIN--Continued

400240080394039 - J06.0WHEELING CR @ ELM GROVE WV LAT 40 02 40 LONG 080 39 40

MAY , 1979									
17...	5.7	--	--	73	--	42	4.8	164	.22
SEP									
10...	8.1	12	.4	113	3.4	50	11	224	.30

LITTLE GRAVE CREEK BASIN--Continued

395717080443539 - J07.0L GRAVE CR @ HWY 10 BR @ GLENDALE HEIGHT WV LAT 39 57 17 LONG 080 44 35

MAY , 1979									
30...	9.5	--	--	97	--	68	9.4	236	.32
SFP									
10...	11	17	.5	130	5.1	71	18	280	.38

GRAVE CREEK BASIN--Continued

395005080360239 - J08.0GRAVE CR @ HWY 62 BR @ LOUDENVILLE WV LAT 39 50 05 LONG 080 36 02

MAY , 1979									
31...	5.4	--	--	65	--	39	14	165	.22
SEP									
12...	7.9	29	1.0	134	15	42	41	295	.40

395447080434239 - J09.0M GRAVE CR @ HWY 54 BR @ MOUNDSVILLE WV LAT 39 54 47 LONG 080 43 42

MAY , 1979									
21...	8.0	--	--	98	--	56	8.9	203	.28
SFP									
10...	9.0	14	.5	117	2.7	59	14	242	.33

FISH CREEK BASIN--Continued

394533080334839 - J10.0PENN. FK FISH CR @ U.S. 250 BR @ BELLTON WV LAT 39 45 33 LONG 080 33 48

MAY , 1979									
31...	4.1	--	--	41	--	27	2.7	98	.13
SEP									
12...	5.2	6.3	.3	75	7.3	27	6.1	135	.18

394403080345039 - J11.0W V FK FISH CR @ HWY 89 BR @ BANNEN WV LAT 39 44 03 LONG 080 34 50

MAY , 1979									
31...	3.5	--	--	28	--	24	3.7	81	.11
SEP									
12...	4.5	8.8	.4	58	1.8	23	10	116	.16

394713080445839 - J12.0WHETSTONE CR @ HWY 74/1 BR NR MEIGHEN WV LAT 39 47 13 LONG 080 44 58

MAY , 1979									
30...	4.9	--	--	53	--	34	2.3	121	.16
SFP									
11...	6.5	5.4	.2	95	1.4	32	2.8	152	.21

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BCT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--	--

WHEELING CREEK BASIN--Continued

400240080394039 - J06.0WHEELING CR @ ELM GROVE WV LAT 40 02 40 LONG 080 39 40

MAY , 1979									
17...	131	--	--	--	--	--	170	140	30
SEP									
10...	15.4	0	<10	20	20	30	400	--	20

LITTLE GRAVE CREEK BASIN--Continued

395717080443539 - J07.0L GRAVE CR @ HWY 10 BR @ GLENDALE HEIGHT WV LAT 39 57 17 LONG 080 44 35

MAY , 1979									
30...	21.8	--	--	--	--	--	560	100	460
SEP									
10...	.47	0	<10	20	10	30	140	--	30

GRAVE CREEK BASIN--Continued

395005080360239 - J08.0GRAVE CR @ HWY 62 BR @ LOUDENVILLE WV LAT 39 50 05 LONG 080 36 02

MAY , 1979									
31...	6.19	--	--	--	--	--	280	270	10
SEP									
12...	.56	0	<10	<10	<10	20	290	--	40

395447080434239 - J09.0M GRAVE CR @ HWY 54 BR @ MOUNDSVILLE WV LAT 39 54 47 LONG 080 43 42

MAY , 1979									
21...	14.8	--	--	--	--	--	330	330	0
SEP									
10...	2.40	0	<10	20	30	40	180	--	10

FISH CREEK BASIN--Continued

394533080334839 - J10.0PENN. FK FISH CR @ U.S. 250 BR @ BELLTON WV LAT 39 45 33 LONG 080 33 48

MAY , 1979									
31...	15.7	--	--	--	--	--	170	70	<100
SEP									
12...	1.31	0	<10	10	10	10	100	--	10

394403080345039 - J11.0W V FK FISH CR @ HWY 89 BR @ BANNEN WV LAT 39 44 03 LONG 080 34 50

MAY , 1979									
31...	23.8	--	--	--	--	--	310	210	100
SEP									
12...	2.02	0	<10	10	<10	10	170	--	20

394713080445839 - J12.0WHETSTONE CR @ HWY 74/1 BR NR MEIGHEN WV LAT 39 47 13 LONG 080 44 58

MAY , 1979									
30...	11.7	--	--	--	--	--	800	800	0
SEP									
11...	.53	0	<10	10	20	10	120	--	10

OHIO RIVER BASIN

61

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	---	--	---	--

WHEELING CREEK BASIN--Continued

400240080394039 - J06.0WHEELING CR @ ELM GROVE WV LAT 40 02 40 LONG 080 39 40

APR , 1979									
17...	--	--	10	10	0	--	--	--	--
SEP									
10...	60	26000	260	250	10	770	.00	0	110

LITTLE GRAVE CREEK BASIN--Continued

395717080443539 - J07.0L GRAVE CR @ HWY 10 BR @ GLENDALE HEIGHT WV LAT 39 57 17 LONG 080 44 35

MAY , 1979									
30...	--	--	20	10	10	--	--	--	--
SEP									
10...	30	29000	260	250	8	1300	.00	0	90

GRAVE CREEK BASIN--Continued

395005080360239 - J08.0GRAVE CR @ HWY 62 BR @ LOUDENVILLE WV LAT 39 50 05 LONG 080 36 02

MAY , 1979									
31...	--	--	50	10	40	--	--	--	--
SEP									
12...	60	12000	60	0	70	1100	.00	0	120

395447080434239 - J09.0M GRAVE CR @ HWY 54 BR @ MOUNDSVILLE WV LAT 39 54 47 LONG 080 43 42

MAY , 1979									
21...	--	--	40	10	30	--	--	--	--
SEP									
10...	150	28000	30	10	20	840	.00	0	610

FISH CREEK BASIN--Continued

394533080334839 - J10.0PENN. FK FISH CR @ U.S. 250 BR @ BELLTON WV LAT 39 45 33 LONG 080 33 48

MAY , 1979									
31...	--	--	20	10	10	--	--	--	--
SEP									
12...	20	23000	30	20	6	620	.00	0	70

394403080345039 - J11.0W V FK FISH CR @ HWY 89 BR @ BANNEN WV LAT 39 44 03 LONG 080 34 50

MAY , 1979									
31...	--	--	20	0	20	--	--	--	--
SEP									
12...	20	19000	40	30	7	480	.00	0	50

394713080445839 - J12.0WHETSTONE CR @ HWY 74/1 BR NR MEIGHEN WV LAT 39 47 13 LONG 080 44 58

MAY , 1979									
30...	--	--	360	350	10	--	--	--	--
SEP									
11...	30	22000	10	0	20	1200	.00	0	50

OHIO RIVER BASIN

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
------	------	---	--	---------------	-----------------------------	--	--	--	----------------------------------	--

FISHING CREEK BASIN

393156080383339 - K01.0S F FISHING CR @ HWY 82 BR @ JACKSONBURG WV LAT 39 31 56 LONG 080 38 33

MAY , 1979										
23...	1230	10	205	6.6	20.0	73	39	.0	.0	21
SEP										
12...	1530	5.4	225	7.4	28.0	79	29	.0	.0	23

393405080345839 - K02.0N FK FISHING CR @ HWY 15/2 BR @ KINGSTON WV LAT 39 34 05 LONG 080 34 58

MAY , 1979										
23...	1015	2.0	150	6.3	16.0	56	26	.0	.0	16
SEP										
12...	1715	.70	110	7.2	26.0	56	17	.0	.0	16

393445080353139 - K03.0WILEY FK @ HWY 15 BR @ KINGSTON WV LAT 39 34 45 LONG 080 35 31

MAY , 1979										
23...	1115	3.0	120	7.0	17.0	63	28	.0	.0	18
SEP										
12...	1630	1.4	155	7.1	26.0	71	20	.0	.0	21

393057080414039 - K04.0PINEY FK @ HWY 56/1 BR @ PINEY WV LAT 39 30 57 LONG 080 41 40

MAY , 1979										
23...	1350	2.3	120	7.6	18.0	51	26	.0	.0	14
SEP										
12...	1400	.37	175	7.3	26.5	64	24	.0	.0	18

393618080461939 - K05.0LITTLE FISHING CR @ HWY 38 BR @ CHILDS WV LAT 39 36 18 LONG 080 46 19

MAY , 1979										
23...	1520	9.2	190	6.8	18.5	89	38	.0	.0	27
SEP										
12...	1245	3.0	245	7.4	23.0	100	35	.0	.0	31

MIDDLE ISLAND CREEK BASIN

391231080403039 - K06.0MEATHOUSE FK @ HWY 56 BR NR AVON WV LAT 39 12 31 LONG 080 40 30

MAY , 1979										
19...	0930	5.7	105	6.7	14.5	44	15	.0	.0	12
SEP										
13...	1820	3.3	140	7.4	23.0	46	12	.0	.0	13

391220080421239 - K07.0TOMS FK @ BR @ MARKET WV LAT 39 12 20 LONG 080 42 12

MAY , 1979										
19...	1115	1.5	110	7.6	17.5	47	13	.0	.0	13
SEP										
12...	1940	.68	225	7.4	24.0	56	11	.0	.0	16

391705080432439 - K08.0BUCKEYE CR @ HWY 50/30 BR @ SMITHBURG WV LAT 39 17 05 LONG 080 43 24

MAY , 1979										
19...	1350	10	145	7.8	21.0	78	29	.0	.0	23
SEP										
13...	1625	4.1	280	8.0	23.5	100	25	.0	.0	31

391745080491839 - K09.0ARNOLD CR @ HWY 11 BR @ CENTRAL STATION WV LAT 39 17 45 LONG 080 49 18

MAY , 1979										
19...	1225	3.5	180	7.6	19.0	87	33	.0	.0	25
SEP										
13...	0750	1.5	260	7.2	20.0	94	24	.0	.0	28

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

FISHING CREEK BASIN--Continued

393156080383339 - K01.05 F FISHING CR @ HWY 82 BR @ JACKSONBURG WV LAT 39 31 56 LONG 080 38 33

MAY , 1979									
23...	5.1	--	--	34	--	24	28	134	.18
SEP									
12...	5.3	15	.7	50	3.9	19	27	126	.17

393405080345839 - K02.0N FK FISHING CR @ HWY 15/2 BR @ KINGSTON WV LAT 39 34 05 LONG 080 34 58

MAY , 1979									
23...	4.0	--	--	30	--	25	2.6	80	.11
SEP									
12...	3.8	4.6	.3	41	4.8	18	3.1	76	.10

393445080353139 - K03.0WILEY FK @ HWY 15 BR @ KINGSTON WV LAT 39 34 45 LONG 080 35 31

MAY , 1979									
23...	4.3	--	--	35	--	27	2.1	89	.12
SEP									
12...	4.5	5.0	.3	52	7.9	19	3.1	91	.12

393057080414039 - K04.0PINEY FK @ HWY 56/1 BR @ PINEY WV LAT 39 30 57 LONG 080 41 40

MAY , 1979									
23...	3.9	--	--	25	--	23	6.5	81	.11
SEP									
12...	4.6	8.7	.5	43	3.9	16	15	95	.13

393618080461939 - K05.0LITTLE FISHING CR @ HWY 38 BR @ CHILDS WV LAT 39 36 18 LONG 080 46 19

MAY , 1979									
23...	5.2	--	--	51	--	33	12	122	.17
SEP									
12...	6.0	11	.5	71	5.2	24	19	139	.19

MIDDLE ISLAND CREEK BASIN--Continued

391231080403039 - K06.0MEATHOUSE FK @ HWY 56 BR NR AVON WV LAT 39 12 31 LONG 080 40 30

MAY , 1979									
19...	3.4	--	--	29	--	17	2.7	66	.09
SEP									
13...	3.2	4.2	.3	41	2.6	12	3.0	74	.10

391220080421239 - K07.0TOMS FK @ BR @ MARKET WV LAT 39 12 20 LONG 080 42 12

MAY , 1979									
19...	3.5	--	--	34	--	14	12	177	.24
SEP									
12...	4.0	11	.6	45	3.5	9.3	19	102	.14

391705080432439 - K08.0BUCKEYE CR @ HWY 50/30 BR @ SMITHBURG WV LAT 39 17 05 LONG 080 43 24

MAY , 1979									
19...	5.1	--	--	49	--	26	7.5	211	.29
SEP									
13...	6.3	9.9	.4	78	1.5	30	10	145	.20

391745080491839 - K09.0ARNOLD CR @ HWY 11 BR @ CENTRAL STATION WV LAT 39 17 45 LONG 080 49 18

MAY , 1979									
19...	6.0	--	--	54	--	26	17	234	.32
SEP									
13...	5.9	11	.5	77	8.6	24	13	142	.19

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--	--

FISHING CREEK BASIN--Continued

393156080383339 - K01.05 F FISHING CR @ HWY 82 BR @ JACKSONBURG WV LAT 39 31 56 LONG 080 38 33

MAY , 1979									
23...	3.91	--	--	--	--	--	300	220	80
SEP									
12...	1.85	0	<10	<10	10	<10	250	--	70

393405080345839 - K02.0N FK FISHING CR @ HWY 15/2 BR @ KINGSTON WV LAT 39 34 05 LONG 080 34 58

MAY , 1979									
23...	.44	--	--	--	--	--	200	0	260
SEP									
12...	.14	0	<10	<10	<10	10	300	--	120

393445080353139 - K03.0WILEY FK @ HWY 15 BR @ KINGSTON WV LAT 39 34 45 LONG 080 35 31

MAY , 1979									
23...	.74	--	--	--	--	--	250	240	10
SEP									
12...	.35	0	<10	<10	20	10	300	--	70

393057080414039 - K04.0PINEY FK @ HWY 56/1 BR @ PINEY WV LAT 39 30 57 LONG 080 41 40

MAY , 1979									
23...	.50	--	--	--	--	--	200	190	10
SEP									
12...	.10	0	<10	10	<10	10	150	--	10

393618080461939 - K05.0LITTLE FISHING CR @ HWY 38 BR @ CHILDS WV LAT 39 36 18 LONG 080 46 19

MAY , 1979									
23...	3.05	--	--	--	--	--	750	710	40
SEP									
12...	1.15	0	<10	10	<10	10	470	--	60

MIDDLE ISLAND CREEK BASIN--Continued

391231080403039 - K06.0MEATHOUSE FK @ HWY 56 BR NR AVON WV LAT 39 12 31 LONG 080 40 30

MAY , 1979									
19...	1.03	--	--	--	--	--	460	60	400
SEP									
13...	.67	0	<10	10	10	<10	570	--	200

391220080421239 - K07.0TOMS FK @ BR @ MARKET WV LAT 39 12 20 LONG 080 42 12

MAY , 1979									
19...	.73	--	--	--	--	--	890	630	260
SEP									
12...	.19	0	<10	10	10	<10	980	--	270

391705080432439 - K08.0BUCKEYE CR @ HWY 50/30 BR @ SMITHBURG WV LAT 39 17 05 LONG 080 43 24

MAY , 1979									
19...	5.98	--	--	--	--	--	510	430	80
SEP									
13...	1.62	0	<10	10	20	20	400	--	80

391745080491839 - K09.0ARNOLD CR @ HWY 11 BR @ CENTRAL STATION WV LAT 39 17 45 LONG 080 49 18

MAY , 1979									
19...	2.27	--	--	--	--	--	630	530	100
SEP									
13...	.58	0	<10	10	10	10	450	--	110

OHIO RIVER BASIN

65

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	--	--	---	--

FISHING CREEK BASIN--Continued

393156080383339 - K01.05 F FISHING CR @ HWY 82 BR @ JACKSONBURG WV LAT 39 31 56 LONG 080 38 33

MAY , 1979									
23...	--	--	50	20	30	--	--	--	--
SEP									
12...	20	14000	40	0	40	1000	.00	0	40

393405080345839 - K02.0N FK FISHING CR @ HWY 15/2 BR @ KINGSTON WV LAT 39 34 05 LONG 080 34 58

MAY , 1979									
23...	--	--	50	0	50	--	--	--	--
SEP									
12...	30	16000	40	0	50	810	.00	0	40

393445080353139 - K03.0WILEY FK @ HWY 15 BR @ KINGSTON WV LAT 39 34 45 LONG 080 35 31

MAY , 1979									
23...	--	--	40	10	30	--	--	--	--
SEP									
12...	20	16000	70	0	70	780	.00	0	40

393057080414039 - K04.0PINEY FK @ HWY 56/1 BR @ PINEY WV LAT 39 30 57 LONG 080 41 40

MAY , 1979									
23...	--	--	20	0	20	--	--	--	--
SEP									
12...	30	19000	220	190	30	760	.00	0	50

393618080461939 - K05.0LITTLE FISHING CR @ HWY 38 BR @ CHILDS WV LAT 39 36 18 LONG 080 46 19

MAY , 1979									
23...	--	--	70	20	50	--	--	--	--
SEP									
12...	10	16000	80	20	60	430	.00	0	40

MIDDLE ISLAND CREEK BASIN--Continued

391231080403039 - K06.0MEATHOUSE FK @ HWY 56 BR NR AVON WV LAT 39 12 31 LONG 080 40 30

MAY , 1979									
19...	--	--	70	0	70	--	--	--	--
SEP									
13...	10	12000	90	20	70	280	.00	0	40

391220080421239 - K07.0TOMS FK @ BR @ MARKET WV LAT 39 12 20 LONG 080 42 12

MAY , 1979									
19...	--	--	150	0	160	--	--	--	--
SEP									
12...	10	20000	180	0	180	520	.00	0	40

391705080432439 - K08.0BUCKEYE CR @ HWY 50/30 BR @ SMITHBURG WV LAT 39 17 05 LONG 080 43 24

MAY , 1979									
19...	--	--	70	0	70	--	--	--	--
SEP									
13...	20	19000	80	20	60	810	.00	0	80

391745080491839 - K09.0ARNOLD CR @ HWY 11 BR @ CENTRAL STATION WV LAT 39 17 45 LONG 080 49 18

MAY , 1979									
19...	--	--	150	0	160	--	--	--	--
SEP									
13...	10	16000	120	20	100	470	.00	0	50

OHIO RIVER BASIN

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
------	------	---	--	---------------	-----------------------------	--	--	--	----------------------------------	--

MIDDLE ISLAND CREEK BASIN--Continued

392338080422139 - K10.0MCELROY CR @ HWY 12 BR NR ASHLEY WV LAT 39 23 38 LONG 080 42 21

MAY , 1979

19... 1600 7.8 110 7.7 20.5 49 22 .0 .0 14

SEP

13... 1320 3.0 200 7.2 23.0 63 17 .0 .0 18

392312080435739 - K11.0FLINT RUN @ HWY 3 BR NR CANTON WV LAT 39 23 12 LONG 080 43 57

MAY , 1979

19... 1510 3.2 110 7.6 20.0 56 21 .0 .0 16

SEP

13... 1200 1.0 200 7.4 20.0 72 15 .0 .0 21

392556080470739 - K12.0INDIAN CR @ HWY 55/2 BR @ BIG MOSES WV LAT 39 25 56 LONG 080 47 07

MAY , 1979

30... 1010 30 160 6.7 14.5 48 31 .0 .0 13

SEP

13... 1030 1.0 450 7.3 20.5 100 59 .0 .0 29

393225080531939 - K13.0PT PLEASANT CR @ HWY 11/6 BR @ KIDWELL WV LAT 39 32 25 LONG 080 53 19

MAY , 1979

30... 1400 16 200 7.5 18.0 88 40 .0 .0 25

SEP

13... 0900 .72 340 7.6 19.0 130 39 .0 .0 38

393210080530639 - K14.0ELK FK @ HWY 11 BR @ KIDWELL WV LAT 39 32 10 LONG 080 53 06

MAY , 1979

30... 1330 26 600 7.5 18.5 44 22 .0 .0 12

SEP

13... 0740 .95 230 6.9 17.5 70 19 .0 .0 20

392634080544739 - K15.0SANCHO CR @ HWY 7 BR NR SANCHO WV LAT 39 26 34 LONG 080 54 47

MAY , 1979

30... 1130 11 100 7.4 16.0 52 19 .0 .0 14

SEP

13... 1030 .17 240 7.7 20.0 92 15 .0 .0 26

OHIO RIVER BASIN

67

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

MIDDLE ISLAND CREEK BASIN--Continued

392338080422139 - K10.0MCELROY CR @ HWY 12 BR NR ASHLEY WV LAT 39 23 38 LONG 080 42 21

MAY , 1979									
19...	3.5	--	--	27	--	19	7.6	78	.11
SEP									
13...	4.3	11	.6	50	5.7	12	17	102	.14

392312080435739 - K11.0FLINT RUN @ HWY 3 BR NR CANTON WV LAT 39 23 12 LONG 080 43 57

MAY , 1979									
19...	4.0	--	--	35	--	20	5.3	187	.25
SEP									
13...	4.8	7.6	.4	63	4.4	15	7.8	101	.14

392556080470739 - K12.0INDIAN CR @ HWY 55/2 BR @ BIG MOSES WV LAT 39 25 56 LONG 080 47 07

MAY , 1979									
30...	3.7	--	--	17	--	18	24	206	.28
SFP									
13...	6.7	39	1.7	41	4.0	14	92	251	.34

393225080531939 - K13.0PT PLEASANT CR @ HWY 11/6 BR @ KIDWELL WV LAT 39 32 25 LONG 080 53 19

MAY , 1979									
30...	6.2	--	--	48	--	40	5.9	231	.31
SEP									
13...	8.8	12	.5	97	4.5	33	16	178	.24

393210080530639 - K14.0ELK FK @ HWY 11 BR @ KIDWELL WV LAT 39 32 10 LONG 080 53 06

MAY , 1979									
30...	3.4	--	--	22	--	22	5.1	176	.24
SEP									
13...	4.9	11	.6	57	13	16	15	116	.16

392634080544739 - K15.0SANCHO CR @ HWY 7 BR NR SANCHO WV LAT 39 26 34 LONG 080 54 47

MAY , 1979									
30...	4.1	--	--	33	--	20	2.1	71	.10
SEP									
13...	6.6	8.4	.4	78	3.0	21	5.8	121	.16

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	---	--

MIDDLE ISLAND CREEK BASIN--Continued

392338080422139 - K10.0MCELROY CR @ HWY 12 BR NR ASHLEY WV LAT 39 23 38 LONG 080 42 21

MAY , 1979									
19...	1.64	--	--	--	--	--	470	320	150
SEP									
13...	.84	0	<10	10	10	10	610	--	230

392312080435739 - K11.0FLINT RUN @ HWY 3 BR NR CANTON WV LAT 39 23 12 LONG 080 43 57

MAY , 1979									
19...	1.64	--	--	--	--	--	390	280	110
SEP									
13...	.27	0	<10	<10	10	<10	270	--	400

392556080470739 - K12.0INDIAN CR @ HWY 55/2 BR @ BIG MOSES WV LAT 39 25 56 LONG 080 47 07

MAY , 1979									
30...	16.7	--	--	--	--	--	480	400	80
SEP									
13...	.70	0	<10	10	20	20	300	--	80

393225080531939 - K13.0PT PLEASANT CR @ HWY 11/6 BR @ KIDWELL WV LAT 39 32 25 LONG 080 53 19

MAY , 1979									
30...	10.1	--	--	--	--	--	800	730	70
SEP									
13...	.35	0	<10	20	30	20	480	--	50

393210080530639 - K14.0ELK FK @ HWY 11 BR @ KIDWELL WV LAT 39 32 10 LONG 080 53 06

MAY , 1979									
30...	12.5	--	--	--	--	--	630	570	60
SEP									
13...	.30	0	<10	<10	10	<10	540	--	140

392634080544739 - K15.0SANCHO CR @ HWY 7 BR NR SANCHO WV LAT 39 26 34 LONG 080 54 47

MAY , 1979									
30...	2.19	--	--	--	--	--	550	490	60
SEP									
13...	.06	0	<10	10	20	10	410	--	30

OHIO RIVER BASIN

69

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	---	--	---	--

MIDDLE ISLAND CREEK BASIN--Continued

392338080422139 - K10.0MCELROY CR @ HWY 12 BR NR ASHLEY WV LAT 39 23 38 LONG 080 42 21

MAY , 1979									
19...	--	--	70	0	80	--	--	--	--
SEP									
13...	10	20000	160	20	140	560	.00	0	40

392312080435739 - K11.0FLINT RUN @ HWY 3 BR NR CANTON WV LAT 39 23 12 LONG 080 43 57

MAY , 1979									
19...	--	--	40	0	60	--	--	--	--
SEP									
13...	10	15000	80	10	70	670	.00	0	40

392556080470739 - K12.0INDIAN CR @ HWY 55/2 BR @ BIG MOSES WV LAT 39 25 56 LONG 080 47 07

MAY , 1979									
30...	--	--	40	0	40	--	--	--	--
SEP									
13...	20	28000	60	10	50	710	.00	0	70

393225080531939 - K13.0PT PLEASANT CR @ HWY 11/6 BR @ KIDWELL WV LAT 39 32 25 LONG 080 53 19

MAY , 1979									
30...	--	--	100	10	90	--	--	--	--
SEP									
13...	10	24000	70	20	50	1100	.00	0	60

393210080530639 - K14.0ELK FK @ HWY 11 BR @ KIDWELL WV LAT 39 32 10 LONG 080 53 06

MAY , 1979									
30...	--	--	30	0	30	--	--	--	--
SEP									
13...	10	14000	110	30	80	520	.00	0	40

392634080544739 - K15.0SANCHO CR @ HWY 7 BR NR SANCHO WV LAT 39 26 34 LONG 080 54 47

MAY , 1979									
30...	--	--	30	20	10	--	--	--	--
SEP									
13...	10	19000	60	30	30	1100	.00	0	50

OHIO RIVER BASIN

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
------	------	---	--	---------------	-----------------------------	--	--	--	----------------------------------	--

MIDDLE ISLAND CREEK BASIN--Continued

392830080595039 - K16.0MIDDLE ISLAND CR @ LITTLE WV LAT 39 28 30 LONG 080 59 50

APR , 1979

23... 1220 286 140 8.1 16.0 55 24 .0 .0 15

SEP

13... 1130 120 160 7.6 22.5 57 16 .0 .0 16

392339081033739 - K17.0SUGAR CR @ HWY 3/8 BR @ SHAWNEE WV LAT 39 23 39 LONG 081 03 37

MAY , 1979

31... 0815 11 140 7.0 16.0 56 19 .0 .0 15

SEP

12... 1810 .47 250 7.5 22.0 85 24 .0 .0 24

392145081032839 - K18.0MCKIM CR @ HWY 30 BR NR PINE GROVE CHURCH LAT 39 21 45 LONG 081 03 28

MAY , 1979

31... 0900 11 120 7.1 16.5 48 18 .0 .0 13

SEP

12... 1710 .48 190 7.6 24.0 69 13 .0 .0 19

392053081111839 - K19.0L FK FRENCH CR @ HWY 22 BR @ CALCUTTA WV LAT 39 20 53 LONG 081 11 18

MAY , 1979

30... 1550 9.7 155 7.2 20.0 58 28 .0 .0 16

SEP

12... 1920 .43 240 7.7 22.5 78 29 .0 .0 22

OLDTOWN CREEK BASIN

385347082044039 - L01.0OLDTOWN CR @ HWY 13 BR @ MCCLINTIC WLS WV LAT 38 53 47 LONG 082 04 40

APR , 1979

21... 1000 14 180 7.6 15.0 110 35 .0 .0 30

SEP

10... 1045 4.0 300 7.4 18.0 120 27 .0 .0 33

TENMILE CREEK BASIN

385728082042439 - L02.0TENMILE CR @ HWY 8 BR @ LAKIN WV LAT 38 57 28 LONG 082 04 24

APR , 1979

21... 0845 5.1 565 6.5 13.5 340 330 .0 .0 86

SEP

10... 0923 .86 925 6.2 17.0 450 440 .0 .0 120

OHIO RIVER BASIN

71

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINEITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	---	---	---	---	--	---

MIDDLE ISLAND CREEK BASIN--Continued

392830080595039 - K16.0MIDDLE ISLAND CR @ LITTLE WV LAT 39 28 30 LONG 080 59 50

APR , 1979									
23...	4.2	--	--	31	--	24	8.6	94	.13
SEP									
13...	4.1	6.6	.4	41	2.0	16	8.3	89	.12

392339081033739 - K17.0SUGAR CR @ HWY 3/8 BR @ SHAWNEE WV LAT 39 23 39 LONG 081 03 37

MAY , 1979									
31...	4.5	--	--	37	--	23	4.4	190	.26
SEP									
12...	6.2	11	.5	67	3.8	17	18	121	.16

392145081032839 - K18.0MCKIM CR @ HWY 30 BR NR PINE GROVE CHURCH LAT 39 21 45 LONG 081 03 28

MAY , 1979									
31...	3.7	--	--	30	--	20	2.0	178	.24
SEP									
12...	5.2	8.2	.4	58	2.7	14	6.6	83	.11

392053081111839 - K19.0L FK FRENCH CR @ HWY 22 BR @ CALCUTTA WV LAT 39 20 53 LONG 081 11 18

MAY , 1979									
30...	4.4	--	--	30	--	25	8.0	198	.27
SEP									
12...	5.5	12	.6	51	1.9	19	21	118	.16

OLDTOWN CREEK BASIN--Continued

385347082044039 - L01.0OLDTOWN CR @ HWY 13 BR @ MCCLINTIC WLS WV LAT 38 53 47 LONG 082 04 40

APR , 1979									
21...	9.2	--	--	78	--	54	6.7	167	.23
SEP									
10...	9.2	12	.5	93	7.2	34	7.6	176	.24

TENMILE CREEK BASIN--Continued

385728082042439 - L02.0TENMILE CR @ HWY 8 BR @ LAKIN WV LAT 38 57 28 LONG 082 04 24

APR , 1979									
21...	31	--	--	16	--	360	5.5	554	.75
SEP									
10...	37	27	.6	12	15	480	6.6	749	1.02

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	---	--

MIDDLE ISLAND CREEK BASIN--Continued

392830080595039 - K16.0MIDDLE ISLAND CR @ LITTLE WV LAT 39 28 30 LONG 080 59 50

APR , 1979									
23...	72.6	--	--	--	--	--	420	0	730
SEP									
13...	28.8	0	<10	<10	10	<10	740	--	70

392339081033739 - K17.0SUGAR CR @ HWY 3/8 BR @ SHAWNEE WV LAT 39 23 39 LONG 081 03 37

MAY , 1979									
31...	5.80	--	--	--	--	--	500	450	50
SEP									
12...	.15	0	<10	10	10	<10	240	--	80

392145081032839 - K18.0MCKIM CR @ HWY 30 BR NR PINE GROVE CHURCH LAT 39 21 45 LONG 081 03 28

MAY , 1979									
31...	5.48	--	--	--	--	--	2300	2200	80
SEP									
12...	.11	0	<10	10	10	10	380	--	150

392053081111839 - K19.0L FK FRENCH CR @ HWY 22 BR @ CALCUTTA WV LAT 39 20 53 LONG 081 11 18

MAY , 1979									
30...	5.19	--	--	--	--	--	320	270	50
SEP									
12...	.14	0	<10	10	20	<10	350	--	20

OLDTOWN CREEK BASIN--Continued

385347082044039 - L01.0OLDTOWN CR @ HWY 13 BR @ MCCLINTIC WLS WV LAT 38 53 47 LONG 082 04 40

APR , 1979									
21...	6.31	--	--	--	--	--	1300	1100	160
SEP									
10...	1.90	0	<10	<10	<10	<10	830	--	140

TENMILE CREEK BASIN--Continued

385728082042439 - L02.0TENMILE CR @ HWY 8 BR @ LAKIN WV LAT 38 57 28 LONG 082 04 24

APR , 1979									
21...	7.63	--	--	--	--	--	6200	1500	4700
SEP									
10...	1.74	0	<10	<10	10	<10	1200	--	370

OHIO RIVER BASIN

73

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	---	--	---	--

MIDDLE ISLAND CREEK BASIN--Continued

392830080595039 - K16.0MIDDLE ISLAND CR @ LITTLE WV LAT 39 28 30 LONG 080 59 50

APR , 1979									
23...	--	--	30	10	20	--	--	--	--
SEP									
13...	160	13000	130	80	50	460	.00	0	30

392339081033739 - K17.0SUGAR CR @ HWY 3/8 BR @ SHAWNEE WV LAT 39 23 39 LONG 081 03 37

MAY , 1979									
31...	--	--	30	0	40	--	--	--	--
SEP									
12...	10	13000	40	0	40	650	.00	0	30

392145081032839 - K18.0MCKIM CR @ HWY 30 RR NR PINE GROVE CHURCH LAT 39 21 45 LONG 081 03 28

MAY , 1979									
31...	--	--	150	110	40	--	--	--	--
SEP									
12...	10	12000	90	0	90	470	.00	0	40

392053081111839 - K19.0L FK FRENCH CR @ HWY 22 BR @ CALCUTTA WV LAT 39 20 53 LONG 081 11 18

MAY , 1979									
30...	--	--	20	0	30	--	--	--	--
SEP									
12...	<10	15000	30	10	20	520	.00	0	30

OLDTOWN CREEK BASIN--Continued

385347082044039 - L01.0OLDTOWN CR @ HWY 13 BR @ MCCLINTIC WLS WV LAT 38 53 47 LONG 082 04 40

APR , 1979									
21...	--	--	250	20	230	--	--	--	--
SEP									
10...	<10	6800	280	20	260	380	.00	0	20

TENMILE CREEK BASIN--Continued

385728082042439 - L02.0TENMILE CR @ HWY 8 BR @ LAKIN WV LAT 38 57 28 LONG 082 04 24

APR , 1979									
21...	--	--	2200	100	2100	--	--	--	--
SEP									
10...	10	13000	3900	300	3600	120	.00	0	50



FIGURE 5.--LOCATION OF SAMPLING SITES IN
THE LITTLE KANAWHA RIVER BASIN

Table 4.--Name, location, and drainage area for sites in the Little Kanawha River basin.

Local No.	Name	County	Drain. Area (Mi ²)	Data Begins Page No.	Local No.	Name	County	Drain. Area (Mi ²)	Data Begins Page No.
M01.0	Little Kanawha River	Upshur	31.7	76	M20.0	Crooked Fork	Gilmer	11.5	84
M02.0	R Fk Little Kanawha R	"	21.8	"	M21.0	L Fk Steer Creek	Braxton	15.3	"
M03.0	Little Kanawha River	Braxton	112.	"	M22.0	L Fk Steer Creek	Gilmer	42.6	"
M04.0	Falls Run	"	10.3	"	M23.0	Yellow Creek	Calhoun	7.87	"
M05.0	Saltlick Creek	"	22.3	"	M24.0	Left Fork	"	20.1	"
M06.0	Oil Creek	"	29.3	"	M25.0	W Fk Little Kanawha R	"	30.6	88
M07.0	Sand Fork	Gilmer	40.6	80	M26.0	Beech Fork	"	14.6	"
M08.0	Indian Fork	"	14.5	"	M27.0	Henry Fork	Roane	23.5	"
M09.0	Stewart Creek	"	3.33	"	M28.0	Spring Creek	"	29.4	"
M10.0	Leading Creek	Lewis	22.1	"	M29.0	Little Kanawha R	Wirt	1,515.	"
M11.0	Fink Creek	"	26.0	"	M30.0	S Fk Hughes River	Doddridge	13.7	"
M12.0	Cove Creek	Gilmer	9.36	"	M31.0	Middle Fork	Ritchie	12.8	"
M13.0	Bear Fork	"	4.88	"	M32.0	Bone Creek	"	17.8	"
M14.0	Horn Creek	"	5.26	"	M33.0	Spruce Creek	"	20.1	"
M15.0	Coxcamp Fork	"	2.83	"	M34.0	Leatherbark Creek	"	17.8	92
M16.0	Perkins Fork	Braxton	12.4	84	M35.0	Indian Creek	"	15.0	"
M17.0	Cedar Creek	"	10.1	"	M36.0	N Fk Hughes River	"	23.0	"
M18.0	Tanner Creek	Gilmer	12.4	"	M37.0	Bonds Creek	"	11.5	"
M19.0	R Fk Steer Creek	Braxton	30.7	"	M38.0	Hughes River	"	452.	"

OHIO RIVER BASIN

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
LITTLE KANAWHA RIVER BASIN										
384759080203839 - M01.0L KANAWHA R @ HWY 20 BR @ ARLINGTON WV LAT 38 47 59 LONG 080 20 38										
APR , 1979										
22...	1110	23	50	6.4	14.0	8	3	.0	.0	2.1
SEP										
11...	1145	16	55	6.5	15.0	13	4	.0	.0	3.4
384348080231739 - M02.0R FK L KANAWHA R @ HWY 20 BR @ CLEVELAND WV LAT 38 43 48 LONG 080 23 17										
APR , 1979										
22...	1015	17	55	6.6	13.0	6	4	.0	.0	1.4
SEP										
11...	1245	15	50	6.5	16.0	9	6	.0	.0	2.2
384400080312339 - M03.0L KANAWHA R NR WILDCAT WV LAT 38 44 00 LONG 080 31 23										
APR , 1979										
22...	0845	68	60	6.8	14.0	10	5	.0	.0	2.3
SEP										
11...	0945	64	50	6.7	16.0	15	7	.0	.0	3.7
384628080325739 - M04.0FALLS RUN @ HWY 24/1 BR @ FALLS MILL WV LAT 38 46 28 LONG 080 32 57										
APR , 1979										
22...	0800	3.8	90	7.0	14.0	23	8	.0	.0	6.1
SEP										
11...	0830	2.0	110	7.3	15.0	31	13	.0	.0	8.5
384607080365939 - M05.0SALTICK CR @ U/S 19 BR @ SALTICK BRDG WV LAT 38 46 07 LONG 080 36 59										
APR , 1979										
22...	0710	8.1	95	6.8	15.0	29	5	.0	.0	7.8
SEP										
11...	0725	5.1	100	6.9	18.0	35	10	.0	.0	9.9
385149080385539 - M06.0OIL CR @ PRIVATE BR @ BURNSVILLE WV LAT 38 51 49 LONG 080 38 55										
APR , 1979										
21...	1810	11	125	7.2	17.0	45	13	.0	.0	13
SEP										
11...	1545	4.2	180	6.9	19.5	65	17	.0	.0	19

OHIO RIVER BASIN

77

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINEITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	---	---	---	---	--	---

LITTLE KANAWHA RIVER BASIN--Continued

384759080203839 - M01.0L KANAWHA R @ HWY 20 BR @ ARLINGTON WV LAT 38 47 59 LONG 080 20 38

APR , 1979									
22...	.7	--	--	5	--	7.2	3.4	28	.04
SEP									
11...	1.0	2.1	.3	7	4.3	5.5	3.2	34	.05

384348080231739 - M02.0R FK L KANAWHA R @ HWY 20 BR @ CLEVELAND WV LAT 38 43 48 LONG 080 23 17

APR , 1979									
22...	.7	--	--	2	--	6.1	2.4	23	.03
SEP									
11...	.8	1.0	.1	3	1.9	5.3	1.4	23	.03

384400080312339 - M03.0L KANAWHA R NR WILDCAT WV LAT 38 44 00 LONG 080 31 23

APR , 1979									
22...	1.1	--	--	5	--	9.4	3.1	29	.04
SEP									
11...	1.3	1.8	.2	8	3.1	7.8	2.5	32	.04

384628080325739 - M04.0FALLS RUN @ HWY 24/1 BR @ FALLS MILL WV LAT 38 46 28 LONG 080 32 57

APR , 1979									
22...	1.8	--	--	15	--	12	4.6	47	.06
SEP									
11...	2.3	4.6	.4	18	1.8	9.4	7.3	54	.07

384607080365939 - M05.0SALTICK CR @ U/S 19 BR @ SALTICK BRDG WV LAT 38 46 07 LONG 080 36 59

APR , 1979									
22...	2.2	--	--	24	--	11	3.1	50	.07
SEP									
11...	2.5	3.0	.2	30	6.1	8.6	3.0	60	.08

385149080385539 - M06.00IL CR @ PRIVATE BR @ BURNSVILLE WV LAT 38 51 49 LONG 080 38 55

APR , 1979									
21...	3.0	--	--	32	--	16	5.0	66	.09
SEP									
11...	4.2	5.2	.3	53	12	13	6.3	81	.11

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--	--

LITTLE KANAWHA RIVER BASIN--Continued

384759080203839 - M01.0L KANAWHA R @ HWY 20 BR @ ARLINGTON WV LAT 38 47 59 LONG 080 20 38

APR , 1979									
22...	1.74	--	--	--	--	--	180	100	80
SEP									
11...	1.47	0	<10	<10	10	<10	390	--	120

384348080231739 - M02.0R FK L KANAWHA R @ HWY 20 BR @ CLEVELAND WV LAT 38 43 48 LONG 080 23 17

APR , 1979									
22...	1.07	--	--	--	--	--	30	0	30
SEP									
11...	.93	0	<10	<10	<10	<10	160	--	30

384400080312339 - M03.0L KANAWHA R NR WILDCAT WV LAT 38 44 00 LONG 080 31 23

APR , 1979									
22...	5.32	--	--	--	--	--	150	120	30
SEP									
11...	5.53	0	<10	<10	<10	<10	290	--	100

384628080325739 - M04.0FALLS RUN @ HWY 24/1 BR @ FALLS MILL WV LAT 38 46 28 LONG 080 32 57

APR , 1979									
22...	.49	--	--	--	--	--	180	90	90
SEP									
11...	.29	0	<10	<10	10	<10	200	--	80

384607080365939 - M05.0SALTICK CR @ U/S 19 BR @ SALTICK BRDG WV LAT 38 46 07 LONG 080 36 59

APR , 1979									
22...	1.09	--	--	--	--	--	690	560	130
SEP									
11...	.83	0	<10	10	10	<10	860	--	190

385149080385539 - M06.00IL CR @ PRIVATE BR @ BURNSVILLE WV LAT 38 51 49 LONG 080 38 55

APR , 1979									
21...	1.98	--	--	--	--	--	440	330	110
SEP									
11...	.92	0	<10	<10	<10	<10	950	--	100

OHIO RIVER BASIN

79

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	---	--	---	--

LITTLE KANAWHA RIVER BASIN--Continued

384759080203839 - M01.0L KANAWHA R @ HWY 20 BR @ ARLINGTON WV LAT 38 47 59 LONG 080 20 38

APR , 1979									
22...	--	--	20	0	20	--	--	--	--
SEP									
11...	<10	2700	40	0	50	210	.00	0	20

384348080231739 - M02.0R FK L KANAWHA R @ HWY 20 BR @ CLEVELAND WV LAT 38 43 48 LONG 080 23 17

APR , 1979									
22...	--	--	10	0	10	--	--	--	--
SEP									
11...	10	4700	10	0	10	140	.00	0	10

384400080312339 - M03.0L KANAWHA R NR WILDCAT WV LAT 38 44 00 LONG 080 31 23

APR , 1979									
22...	--	--	10	0	10	--	--	--	--
SEP									
11...	<10	4700	30	0	30	170	.00	0	20

384628080325739 - M04.0FALLS RUN @ HWY 24/1 BR @ FALLS MILL WV LAT 38 46 28 LONG 080 32 57

APR , 1979									
22...	--	--	10	0	10	--	--	--	--
SEP									
11...	<10	9200	10	0	10	230	.00	0	30

384607080365939 - M05.0SALTICK CR @ U/S 19 BR @ SALTICK BRDG WV LAT 38 46 07 LONG 080 36 59

APR , 1979									
22...	--	--	90	0	90	--	--	--	--
SEP									
11...	10	15000	160	20	140	.370	.00	0	40

385149080385539 - M06.00IL CR @ PRIVATE BR @ BURNSVILLE WV LAT 38 51 49 LONG 080 38 55

APR , 1979									
21...	--	--	90	10	80	--	--	--	--
SEP									
11...	<10	8700	320	30	290	.680	.00	0	30

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
------	------	---	--	---------------	-----------------------------	--	--	--	----------------------------------	--

LITTLE KANAWHA RIVER BASIN--Continued

385641080411239 - M07.0SAND FK @ HWY 11 BR NR DONLAN WV LAT 38 56 41 LONG 080 41 12

APR , 1979										
22...	1405	17	130	7.1	19.0	45	15	.0	.0	13
SEP										
11...	1800	6.8	180	6.8	19.0	62	23	.0	.0	18

385530080403639 - M08.0INDIAN FK @ HWY 36 BR @ BLACKBURN WV LAT 38 55 30 LONG 080 40 36

APR , 1979										
22...	1315	5.5	140	7.6	20.0	45	16	.0	.0	13
SEP										
11...	1705	3.2	160	8.0	23.0	61	16	.0	.0	18

385737080455539 - M09.0STEWART CR @ HWY 119 BR @ BALDWIN WV LAT 38 57 37 LONG 080 45 55

APR , 1979										
22...	1510	1.5	390	6.0	21.0	160	140	.0	.0	46
SEP										
11...	1910	.44	520	7.1	23.0	200	170	.0	.0	58

390105080414139 - M10.0LEADING CR @ HWY 119/3 BR @ PICKLE ST WV LAT 39 01 05 LONG 080 41 41

APR , 1979										
22...	0930	11	260	7.5	16.5	120	67	.0	.0	32
SEP										
12...	0750	4.2	340	7.7	20.0	140	69	.0	.0	41

390506080421939 - M11.0FINK CR @ HWY 11 BR @ HURST WV LAT 39 05 06 LONG 080 42 19

APR , 1979										
22...	0830	14	150	7.2	15.0	49	23	.0	.0	14
SEP										
12...	0925	5.2	190	7.2	18.5	59	13	.0	.0	17

390520080455039 - M12.0COVE CR @ PRIVATE BR @ CONINGS WV LAT 39 05 20 LONG 080 45 50

APR , 1979										
22...	1030	3.8	120	7.0	16.0	40	11	.0	.0	11
SEP										
12...	1815	1.1	200	7.5	23.0	55	14	.0	.0	16

390522080465539 - M13.0BEAR FK @ HWY 8 BR NR CONINGS WV LAT 39 05 22 LONG 080 46 55

APR , 1979										
22...	1115	5.9	120	7.1	16.0	42	16	.0	.0	12
SEP										
12...	1655	.52	180	7.6	26.0	64	10	.0	.0	19

390234080492839 - M14.0HORN CR @ HWY 47 BR @ COXS MILLS WV LAT 39 02 34 LONG 080 49 28

APR , 1979										
22...	1215	2.3	130	7.7	18.0	49	22	.0	.0	14
SEP										
12...	1455	.68	195	7.4	23.0	65	16	.0	.0	19

390247080492239 - M15.0COXCAMP FK @ HWY 47 BR @ COXS MILLS WV LAT 39 02 47 LONG 080 49 22

APR , 1979										
22...	1245	1.1	140	8.1	19.0	41	20	.0	.0	12
SEP										
12...	1230	.30	135	7.7	22.0	61	18	.0	.0	18

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

LITTLE KANAWHA RIVER BASIN--Continued

385641080411239 - M07.0SAND FK @ HWY 11 BR NR DONLAN WV LAT 38 56 41 LONG 080 41 12

APR , 1979									
22...	3.1	--	--	30	--	20	6.5	69	.09
SEP									
11...	4.1	8.9	.5	41	12	18	13	100	.14

385530080403639 - M08.0INDIAN FK @ HWY 36 BR @ BLACKBURN WV LAT 38 55 30 LONG 080 40 36

APR , 1979									
22...	3.1	--	--	29	--	17	8.6	72	.10
SEP									
11...	3.9	7.2	.4	50	.9	13	9.2	86	.12

385737080455539 - M09.0STEWART CR @ HWY 119 BR @ BALDWIN WV LAT 38 57 37 LONG 080 45 55

APR , 1979									
22...	11	--	--	17	--	160	9.8	261	.36
SEP									
11...	14	14	.4	33	4.7	150	27	316	.43

390105080414139 - M10.0LEADING CR @ HWY 119/3 BR @ PICKLE ST WV LAT 39 01 05 LONG 080 41 41

APR , 1979									
22...	8.5	--	--	48	--	68	4.1	161	.22
SEP									
12...	10	9.8	.4	82	2.9	71	7.9	205	.28

390506080421939 - M11.0FINK CR @ HWY 11 BR @ HURST WV LAT 39 05 06 LONG 080 42 19

APR , 1979									
22...	3.4	--	--	26	--	20	16	94	.13
SEP									
12...	4.0	9.4	.5	46	5.7	14	12	100	.14

390520080455039 - M12.0COVE CR @ PRIVATE BR @ CONINGS WV LAT 39 05 20 LONG 080 45 50

APR , 1979									
22...	3.1	--	--	29	--	17	5.5	60	.08
SEP									
12...	3.7	7.9	.5	50	2.5	11	9.7	88	.12

390522080465539 - M13.0BEAR FK @ HWY 8 BR NR CONINGS WV LAT 39 05 22 LONG 080 46 55

APR , 1979									
22...	3.0	--	--	26	--	18	4.2	67	.09
SEP									
12...	4.0	6.6	.4	63	2.6	10	4.9	93	.13

390234080492839 - M14.0HORN CR @ HWY 47 BR @ COXS MILLS WV LAT 39 02 34 LONG 080 49 28

APR , 1979									
22...	3.5	--	--	27	--	17	12	80	.11
SEP									
12...	4.3	8.6	.5	54	3.8	12	14	100	.14

390247080492239 - M15.0COXCAMP FK @ HWY 47 BR @ COXS MILLS WV LAT 39 02 47 LONG 080 49 22

APR , 1979									
22...	2.6	--	--	21	--	17	17	89	.12
SEP									
12...	3.8	17	1.0	49	1.7	13	21	115	.16

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--	--

LITTLE KANAWHA RIVER BASIN--Continued

385641080411239 - M07.0SAND FK @ HWY 11 BR NR DONLAN WV LAT 38 56 41 LONG 080 41 12

APR , 1979									
22...	3.19	--	--	--	--	--	250	190	60
SEP									
11...	1.84	0	<10	<10	10	<10	410	--	90

385530080403639 - M08.0INDIAN FK @ HWY 36 BR @ BLACKBURN WV LAT 38 55 30 LONG 080 40 36

APR , 1979									
22...	1.08	--	--	--	--	--	290	210	80
SEP									
11...	.74	0	<10	<10	20	<10	320	--	50

385737080455539 - M09.0STEWART CR @ HWY 119 BR @ BALDWIN WV LAT 38 57 37 LONG 080 45 55

APR , 1979									
22...	1.06	--	--	--	--	--	750	410	340
SEP									
11...	.38	0	<10	<10	30	10	250	--	50

390105080414139 - M10.0LEADING CR @ HWY 119/3 BR @ PICKLE ST WV LAT 39 01 05 LONG 080 41 41

APR , 1979									
22...	4.96	--	--	--	--	--	650	600	50
SEP									
12...	2.32	0	<10	<10	10	<10	520	--	60

390506080421939 - M11.0FINK CR @ HWY 11 BR @ HURST WV LAT 39 05 06 LONG 080 42 19

APR , 1979									
22...	3.55	--	--	--	--	--	370	310	60
SEP									
12...	1.40	0	<10	<10	<10	<10	1300	--	60

390520080455039 - M12.0COVE CR @ PRIVATE BR @ CONINGS WV LAT 39 05 20 LONG 080 45 50

APR , 1979									
22...	.62	--	--	--	--	--	340	230	110
SEP									
12...	.27	0	<10	<10	10	<10	700	--	170

390522080465539 - M13.0BEAR FK @ HWY 8 BR NR CONINGS WV LAT 39 05 22 LONG 080 46 55

APR , 1979									
22...	1.07	--	--	--	--	--	380	340	40
SEP									
12...	.13	0	<10	10	10	10	630	--	150

390234080492839 - M14.0HORN CR @ HWY 47 BR @ COXS MILLS WV LAT 39 02 34 LONG 080 49 28

APR , 1979									
22...	.50	--	--	--	--	--	480	420	60
SEP									
12...	.18	0	<10	10	20	10	360	--	70

390247080492239 - M15.0COXCAMP FK @ HWY 47 BR @ COXS MILLS WV LAT 39 02 47 LONG 080 49 22

APR , 1979									
22...	.26	--	--	--	--	--	250	210	40
SEP									
12...	.09	0	<10	10	10	10	290	--	50

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	---	--	---	--

LITTLE KANAWHA RIVER BASIN--Continued

385641080411239 - M07.0SAND FK @ HWY 11 BR NR DONLAN WV LAT 38 56 41 LONG 080 41 12

APR , 1979									
22...	--	--	30	0	40	--	--	--	--
SEP									
11...	<10	9600	80	10	70	380	.00	0	20

385530080403639 - M08.0INDIAN FK @ HWY 36 BR @ BLACKBURN WV LAT 38 55 30 LONG 080 40 36

APR , 1979									
22...	--	--	10	0	10	--	--	--	--
SEP									
11...	<10	4600	40	0	40	220	.00	0	10

385737080455539 - M09.0STEWART CR @ HWY 119 BR @ BALDWIN WV LAT 38 57 37 LONG 080 45 55

APR , 1979									
22...	--	--	890	0	940	--	--	--	--
SEP									
11...	20	12000	1600	0	1700	2100	.00	0	80

390105080414139 - M10.0LEADING CR @ HWY 119/3 BR @ PICKLE ST WV LAT 39 01 05 LONG 080 41 41

APR , 1979									
22...	--	--	90	20	70	--	--	--	--
SEP									
12...	10	9800	100	20	80	340	.00	0	30

390506080421939 - M11.0FINK CR @ HWY 11 BR @ HURST WV LAT 39 05 06 LONG 080 42 19

APR , 1979									
22...	--	--	40	20	20	--	--	--	--
SEP									
12...	<10	11000	120	20	100	440	.00	0	30

390520080455039 - M12.0COVE CR @ PRIVATE BR @ CONINGS WV LAT 39 05 20 LONG 080 45 50

APR , 1979									
22...	--	--	50	0	60	--	--	--	--
SEP									
12...	<10	13000	100	10	90	240	.00	0	40

390522080465539 - M13.0BEAR FK @ HWY 8 BR NR CONINGS WV LAT 39 05 22 LONG 080 46 55

APR , 1979									
22...	--	--	40	10	30	--	--	--	--
SEP									
12...	<10	20000	160	10	150	400	.00	0	40

390234080492839 - M14.0HORN CR @ HWY 47 BR @ COXS MILLS WV LAT 39 02 34 LONG 080 49 28

APR , 1979									
22...	--	--	30	10	20	--	--	--	--
SEP									
12...	10	26000	60	10	50	500	.00	0	50

390247080492239 - M15.0COXCAMP FK @ HWY 47 BR @ COXS MILLS WV LAT 39 02 47 LONG 080 49 22

APR , 1979									
22...	--	--	10	0	10	--	--	--	--
SEP									
12...	10	19000	50	20	30	460	.00	0	50

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
LITTLE KANAWHA RIVER BASIN--Continued										
384608080443339 - M16.0PERKINS FK @ HWY 19/26 BR @ EXCHANGE WV LAT 38 46 08 LONG 080 44 33										
APR , 1979										
21...	1550	5.0	90	7.2	20.0	30	15	.0	.0	8.3
SEP										
10...	1720	2.1	130	7.7	20.0	42	12	.0	.0	12
384627080444739 - M17.0CEDAR CR @ RR BR @ MOUTH @ EXCHANGE WV LAT 38 46 27 LONG 080 44 47										
APR , 1979										
21...	1630	3.7	125	7.1	21.0	40	23	.0	.0	11
SEP										
10...	1800	1.9	170	7.5	21.0	53	17	.0	.0	15
385852080565839 - M18.0TANNER CR @ HWY 20 BR @ TANNER WV LAT 38 58 52 LONG 080 56 58										
APR , 1979										
22...	1615	6.5	130	7.8	20.0	48	19	.0	.0	14
SEP										
12...	1025	1.7	195	7.2	20.0	70	13	.0	.0	21
384322080555839 - M19.0R FK STEER CR @ HWY 9 BR NR ROSEDALE WV LAT 38 43 22 LONG 080 55 58										
APR , 1979										
21...	1125	15	85	7.2	16.0	30	14	.0	.0	8.4
SEP										
10...	1200	4.5	140	7.4	19.0	46	12	.0	.0	13
384657080554639 - M20.0CROOKED FK @ HWY 52/4 BR @ PERKINS WV LAT 38 46 57 LONG 080 55 46										
APR , 1979										
21...	1220	5.6	95	7.4	17.0	35	17	.0	.0	10
SEP										
10...	1330	2.4	125	7.9	19.0	49	8	.0	.0	14
384722080504939 - M21.0L FK STEER CR @ HWY 7/1 BR NR CHAPEL WV LAT 38 47 22 LONG 080 50 49										
APR , 1979										
21...	1445	6.5	100	7.6	19.0	35	18	.0	.0	10
SEP										
10...	1615	3.7	140	7.4	20.0	46	7	.0	.0	13
385102080574839 - M22.0L FK STEER CR @ HWY 119/21 BR @ LOCKNEY WV LAT 38 51 02 LONG 080 57 48										
APR , 1979										
21...	1325	21	110	7.0	17.0	38	17	.0	.0	11
SEP										
10...	1445	11	130	7.4	19.0	52	16	.0	.0	15
385842081055939 - M23.0YELLOW CR @ HWY 4/8 BR @ AYERS WV LAT 38 58 42 LONG 081 05 59										
APR , 1979										
22...	1630	2.9	100	7.5	18.0	45	19	.0	.0	13
SEP										
11...	1900	.96	145	7.1	20.0	60	13	.0	.0	18
384359081024039 - M24.0L FK @ HWY 11/3 BR @ EUCLID WV LAT 38 43 59 LONG 081 02 40										
APR , 1979										
21...	1005	10	100	7.2	13.0	33	17	.0	.0	8.9
SEP										
10...	0935	3.5	140	6.2	16.0	46	8	.0	.0	13

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CAO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	---	---	---	---	--	---

LITTLE KANAWHA RIVER BASIN--Continued

384608080443339 - M16.0PERKINS FK @ HWY 19/26 BR @ EXCHANGE WV LAT 38 46 08 LONG 080 44 33

APR , 1979									
21...	2.3	--	--	15	--	17	3.0	52	.07
SEP									
10...	3.0	4.7	.3	34	1.2	12	4.7	66	.09

384627080444739 - M17.0CEDAR CR @ RR BR @ MOUTH @ EXCHANGE WV LAT 38 46 27 LONG 080 44 47

APR , 1979									
21...	3.0	--	--	17	--	23	8.0	68	.09
SEP									
10...	3.7	8.6	.5	43	1.4	17	10	93	.13

385852080565839 - M18.0TANNER CR @ HWY 20 BR @ TANNER WV LAT 38 58 52 LONG 080 56 58

APR , 1979									
22...	3.2	--	--	29	--	19	5.2	75	.10
SEP									
12...	4.3	6.6	.3	63	7.0	14	6.8	106	.14

384322080555839 - M19.0R FK STEER CR @ HWY 9 BR NR ROSEDALE WV LAT 38 43 22 LONG 080 55 58

APR , 1979									
21...	2.3	--	--	16	--	15	4.0	49	.07
SEP									
10...	3.2	5.5	.4	40	2.6	8.5	6.6	76	.10

384657080554639 - M20.0CROOKED FK @ HWY 52/4 BR @ PERKINS WV LAT 38 46 57 LONG 080 55 46

APR , 1979									
21...	2.4	--	--	18	--	16	1.4	54	.07
SEP									
10...	3.3	2.6	.2	41	1.0	10	1.2	64	.09

384722080504939 - M21.0L FK STEER CR @ HWY 7/1 BR NR CHAPEL WV LAT 38 47 22 LONG 080 50 49

APR , 1979									
21...	2.5	--	--	17	--	14	5.7	56	.08
SEP									
10...	3.4	5.0	.3	39	3.0	10	6.0	72	.10

385102080574839 - M22.0L FK STEER CR @ HWY 119/21 BR @ LOCKNEY WV LAT 38 51 02 LONG 080 57 48

APR , 1979									
21...	2.6	--	--	21	--	16	4.5	59	.08
SEP									
10...	3.6	4.6	.3	42	2.8	11	6.7	71	.10

385842081055939 - M23.0YELLOW CR @ HWY 4/8 BR @ AYERS WV LAT 38 58 42 LONG 081 05 59

APR , 1979									
22...	3.0	--	--	26	--	17	7.3	77	.10
SEP									
11...	3.6	6.5	.4	52	7.3	12	6.7	92	.13

384359081024039 - M24.0L FK @ HWY 11/3 BR @ EUCLID WV LAT 38 43 59 LONG 081 02 40

APR , 1979									
21...	2.5	--	--	16	--	17	2.4	60	.08
SEP									
10...	3.4	4.2	.3	42	47	9.4	3.3	76	.10

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE- RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--	--

LITTLE KANAWHA RIVER BASIN--Continued

384608080443339 - M16.0PERKINS FK @ HWY 19/26 BR @ EXCHANGE WV LAT 38 46 08 LONG 080 44 33

APR , 1979									
21...	.71	--	--	--	--	--	190	190	0
SEP									
10...	.37	0	<10	<10	<10	<10	390	--	70

384627080444739 - M17.0CEDAR CR @ RR BR @ MOUTH @ EXCHANGE WV LAT 38 46 27 LONG 080 44 47

APR , 1979									
21...	.69	--	--	--	--	--	290	240	50
SEP									
10...	.48	0	<10	<10	10	<10	340	--	110

385852080565839 - M18.0TANNER CR @ HWY 20 BR @ TANNER WV LAT 38 58 52 LONG 080 56 58

APR , 1979									
22...	1.32	--	--	--	--	--	310	290	20
SEP									
12...	.49	0	<10	<10	<10	<10	2800	--	20

384322080555839 - M19.0R FK STEER CR @ HWY 9 BR NR ROSEDALE WV LAT 38 43 22 LONG 080 55 58

APR , 1979									
21...	2.02	--	--	--	--	--	210	200	10
SEP									
10...	.92	0	<10	<10	10	<10	430	--	100

384657080554639 - M20.0CROOKED FK @ HWY 52/4 BR @ PERKINS WV LAT 38 46 57 LONG 080 55 46

APR , 1979									
21...	.82	--	--	--	--	--	300	300	0
SEP									
10...	.41	0	<10	<10	40	<10	340	--	90

384722080504939 - M21.0L FK STEER CR @ HWY 7/1 BR NR CHAPEL WV LAT 38 47 22 LONG 080 50 49

APR , 1979									
21...	.98	--	--	--	--	--	450	400	50
SEP									
10...	.72	0	<10	10	10	10	620	--	130

385102080574839 - M22.0L FK STEER CR @ HWY 119/21 BR @ LOCKNEY WV LAT 38 51 02 LONG 080 57 48

APR , 1979									
21...	3.35	--	--	--	--	--	530	440	90
SEP									
10...	2.11	0	<10	<10	20	<10	580	--	100

385842081055939 - M23.0YELLOW CR @ HWY 4/8 BR @ AYERS WV LAT 38 58 42 LONG 081 05 59

APR , 1979									
22...	.60	--	--	--	--	--	340	320	20
SEP									
11...	.24	0	<10	20	20	20	390	--	180

384359081024039 - M24.0L FK @ HWY 11/3 BR @ EUCLID WV LAT 38 43 59 LONG 081 02 40

APR , 1979									
21...	1.70	--	--	--	--	--	350	310	40
SEP									
10...	.72	0	<10	<10	<10	<10	730	--	120

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	---	--	---	--

LITTLE KANAWHA RIVER BASIN--Continued

384608080443339 - M16.0PERKINS FK @ HWY 19/26 BR @ EXCHANGE WV LAT 38 46 08 LONG 080 44 33

APR , 1979									
21...	--	--	20	10	10	--	--	--	--
SEP									
10...	20	9000	30	0	30	370	.00	0	30

384627080444739 - M17.0CEDAR CR @ RR BR @ MOUTH @ EXCHANGE WV LAT 38 46 27 LONG 080 44 47

APR , 1979									
21...	--	--	50	0	50	--	--	--	--
SEP									
10...	10	7900	60	10	50	450	.00	0	20

385852080565839 - M18.0TANNER CR @ HWY 20 BR @ TANNER WV LAT 38 58 52 LONG 080 56 58

APR , 1979									
22...	--	--	40	10	30	--	--	--	--
SEP									
12...	<10	13000	100	50	50	360	.00	0	30

384322080555839 - M19.0R FK STEER CR @ HWY 9 BR NR ROSEDALE WV LAT 38 43 22 LONG 080 55 58

APR , 1979									
21...	--	--	30	10	20	--	--	--	--
SEP									
10...	10	5900	50	10	40	300	.00	0	20

384657080554639 - M20.0CROOKED FK @ HWY 52/4 BR @ PERKINS WV LAT 38 46 57 LONG 080 55 46

APR , 1979									
21...	--	--	20	10	10	--	--	--	--
SEP									
10...	10	12000	50	10	40	480	.00	0	30

384722080504939 - M21.0L FK STEER CR @ HWY 7/1 BR NR CHAPEL WV LAT 38 47 22 LONG 080 50 49

APR , 1979									
21...	--	--	40	10	30	--	--	--	--
SEP									
10...	10	14000	90	10	80	730	.00	0	30

385102080574839 - M22.0L FK STEER CR @ HWY 119/21 BR @ LOCKNEY WV LAT 38 51 02 LONG 080 57 48

APR , 1979									
21...	--	--	50	0	50	--	--	--	--
SEP									
10...	10	14000	100	0	100	1100	.00	0	40

385842081055939 - M23.0YELLOW CR @ HWY 4/8 BR @ AYERS WV LAT 38 58 42 LONG 081 05 59

APR , 1979									
22...	--	--	50	10	40	--	--	--	--
SEP									
11...	20	27000	180	0	180	1200	.00	0	50

384359081024039 - M24.0L FK @ HWY 11/3 BR @ EUCLID WV LAT 38 43 59 LONG 081 02 40

APR , 1979									
21...	--	--	50	20	30	--	--	--	--
SEP									
10...	<10	10000	150	20	130	350	.00	0	30

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
LITTLE KANAWHA RIVER BASIN--Continued										
384234081055839 - M25.0W FK L KANAWHA R @ HWY 16 BR @ MINNORA WV LAT 38 42 34 LONG 081 05 58										
APR , 1979										
21...	0855	14	120	7.3	14.0	39	16	.0	.0	11
SEP										
10...	0855	3.0	180	6.8	17.0	59	13	.0	.0	17
384328081085839 - M26.0BEECH FK @ HWY 13 BR @ MILO WV LAT 38 43 28 LONG 081 08 58										
APR , 1979										
21...	0745	8.2	120	7.0	11.0	43	17	.0	.0	12
SEP										
10...	1215	.55	165	7.2	18.0	60	5	.0	.0	17
384310081124039 - M27.0HENRY FK @ HWY 25 BR @ LINDEN WV LAT 38 43 10 LONG 081 12 40										
APR , 1979										
21...	0630	12	160	7.0	11.0	58	18	.0	.0	17
SEP										
10...	1330	.55	240	7.2	19.0	84	13	.0	.0	25
384803081205839 - M28.0SPRING CR @ HWY 33 BR @ SPENCER WV LAT 38 48 03 LONG 081 20 58										
APR , 1979										
21...	0830	17	140	7.0	13.5	50	12	.0	.0	14
SEP										
10...	1550	3.8	210	7.7	23.0	63	16	.0	.0	18
390335081232539 - M29.0L KANAWHA R @ PALESTINE WV LAT 39 03 35 LONG 081 23 25										
APR , 1979										
21...	1005	880	130	7.1	14.5	46	23	.0	.0	13
SEP										
10...	1800	891	140	7.3	22.0	48	21	.0	.0	14
391215080515339 - M30.0S FK HUGHES R @ HWY 52 BR @ OXFORD WV LAT 39 12 15 LONG 080 51 53										
APR , 1979										
21...	1515	5.3	110	7.7	19.0	46	19	.0	.0	13
SEP										
12...	1220	1.7	170	7.0	20.0	62	14	.0	.0	18
390855080502739 - M31.0MIDDLE FK @ HWY 22/3 BR NR HOLBROOK WV LAT 39 08 55 LONG 080 50 27										
APR , 1979										
21...	1700	5.7	110	7.3	17.0	45	19	.0	.0	13
SEP										
12...	1050	1.0	160	7.2	19.5	65	13	.0	.0	19
390638080565439 - M32.0BONE CR @ HWY 7/14 BR NR BERE A WV LAT 39 06 38 LONG 080 56 54										
APR , 1979										
21...	1830	8.4	120	7.5	17.5	47	21	.0	.0	13
SEP										
11...	1400	2.2	180	7.1	19.0	67	20	.0	.0	19
390436081004439 - M33.0SPRUCE CR @ HWY 19/4 BR NR HAZELGREEN WV LAT 39 04 36 LONG 081 00 44										
APR , 1979										
22...	1400	7.2	120	7.1	19.0	44	19	.0	.0	12
SEP										
11...	1555	3.7	160	6.9	21.0	54	15	.0	.0	15

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

LITTLE KANAWHA RIVER BASIN--Continued

384234081055839 - M25.0W FK L KANAWHA R @ HWY 16 BR @ MINNORA WV LAT 38 42 34 LONG 081 05 58

APR , 1979									
21...	2.9	--	--	23	--	16	4.2	69	.09
SEP									
10...	4.0	6.8	.4	51	14	8.4	9.8	92	.13

384328081085839 - M26.0BEECH FK @ HWY 13 BR @ MILO WV LAT 38 43 28 LONG 081 08 58

APR , 1979									
21...	3.2	--	--	26	--	16	1.4	63	.09
SEP									
10...	4.2	4.5	.3	55	6.8	9.0	2.1	89	.12

384310081124039 - M27.0HENRY FK @ HWY 25 BR @ LINDEN WV LAT 38 43 10 LONG 081 12 40

APR , 1979									
21...	3.7	--	--	40	--	17	6.0	82	.11
SEP									
10...	5.2	11	.5	81	8.7	7.7	16	124	.17

384803081205839 - M28.0SPRING CR @ HWY 33 BR @ SPENCER WV LAT 38 48 03 LONG 081 20 58

APR , 1979									
21...	3.7	--	--	38	--	18	8.2	83	.11
SEP									
10...	4.3	13	.7	62	1.8	14	11	111	.15

390335081232539 - M29.0L KANAWHA R @ PALESTINE WV LAT 39 03 35 LONG 081 23 25

APR , 1979									
21...	3.3	--	--	23	--	22	6.7	80	.11
SEP									
10...	3.1	5.7	.4	39	3.3	15	7.2	84	.11

391215080515339 - M30.0S FK HUGHES R @ HWY 52 BR @ OXFORD WV LAT 39 12 15 LONG 080 51 53

APR , 1979									
21...	3.3	--	--	27	--	21	3.1	73	.10
SEP									
12...	4.1	5.1	.3	54	9.4	13	4.4	90	.12

390855080502739 - M31.0MIDDLE FK @ HWY 22/3 BR NR HOLBROOK WV LAT 39 08 55 LONG 080 50 27

APR , 1979									
21...	3.1	--	--	26	--	19	3.8	73	.10
SEP									
12...	4.3	4.4	.2	58	6.4	12	3.6	78	.11

390638080565439 - M32.0BONE CR @ HWY 7/14 BR NR BERE A WV LAT 39 06 38 LONG 080 56 54

APR , 1979									
21...	3.6	--	--	26	--	22	4.8	79	.11
SEP									
11...	4.8	5.9	.3	52	7.3	14	8.4	98	.13

390436081004439 - M33.0SPRUCE CR @ HWY 19/4 BR NR HAZELGREEN WV LAT 39 04 36 LONG 081 00 44

APR , 1979									
22...	3.4	--	--	25	--	18	8.6	76	.10
SEP									
11...	4.1	6.0	.4	44	9.6	13	7.6	87	.12

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--	--

LITTLE KANAWHA RIVER BASIN--Continued

384234081055839 - M25.0W FK L KANAWHA R @ HWY 16 BR @ MINNORA WV LAT 38 42 34 LONG 081 05 58

APR , 1979									
21...	2.61	--	--	--	--	--	600	540	60
SEP									
10...	.76	0	<10	10	10	10	1600	--	220

384328081085839 - M26.0BEECH FK @ HWY 13 BR @ MILO WV LAT 38 43 28 LONG 081 08 58

APR , 1979									
21...	1.39	--	--	--	--	--	400	390	10
SEP									
10...	.13	0	<10	10	<10	<10	1400	--	70

384310081124039 - M27.0HENRY FK @ HWY 25 BR @ LINDEN WV LAT 38 43 10 LONG 081 12 40

APR , 1979									
21...	2.72	--	--	--	--	--	320	230	90
SEP									
10...	.18	0	<10	10	20	10	1000	--	140

384803081205839 - M28.0SPRING CR @ HWY 33 BR @ SPENCER WV LAT 38 48 03 LONG 081 20 58

APR , 1979									
21...	3.81	--	--	--	--	--	650	560	90
SEP									
10...	1.15	0	<10	20	20	20	550	--	370

390335081232539 - M29.0L KANAWHA R @ PALESTINE WV LAT 39 03 35 LONG 081 23 25

APR , 1979									
21...	190	--	--	--	--	--	500	460	40
SEP									
10...	202	0	<10	<10	<10	<10	1200	--	100

391215080515339 - M30.0S FK HUGHES R @ HWY 52 BR @ OXFORD WV LAT 39 12 15 LONG 080 51 53

APR , 1979									
21...	1.05	--	--	--	--	--	500	440	60
SEP									
12...	.41	0	<10	<10	10	<10	950	--	60

390855080502739 - M31.0MIDDLE FK @ HWY 22/3 BR NR HOLBROOK WV LAT 39 08 55 LONG 080 50 27

APR , 1979									
21...	1.12	--	--	--	--	--	2200	2200	50
SEP									
12...	.21	0	<10	<10	20	<10	530	--	110

390638080565439 - M32.0BONE CR @ HWY 7/14 BR NR BERE A WV LAT 39 06 38 LONG 080 56 54

APR , 1979									
21...	1.80	--	--	--	--	--	1400	1400	40
SEP									
11...	.60	0	<10	10	20	20	650	--	120

390436081004439 - M33.0SPRUCE CR @ HWY 19/4 BR NR HAZELGREEN WV LAT 39 04 36 LONG 081 00 44

APR , 1979									
22...	1.48	--	--	--	--	--	280	250	30
SEP									
11...	.88	0	<10	10	20	20	610	--	100

OHIO RIVER BASIN

91

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	---	--	---	--

LITTLE KANAWHA RIVER BASIN--Continued

384234081055839 - M25.0W FK L KANAWHA R @ HWY 16 BR @ MINNORA WV LAT 38 42 34 LONG 081 05 58

APR , 1979									
21...	--	--	80	0	80	--	--	--	--
SEP									
10...	10	18000	310	40	270	580	.00	0	40

384328081085839 - M26.0BEECH FK @ HWY 13 BR @ MILO WV LAT 38 43 28 LONG 081 08 58

APR , 1979									
21...	--	--	40	40	0	--	--	--	--
SEP									
10...	<10	14000	260	60	200	590	.00	0	40

384310081124039 - M27.0HENRY FK @ HWY 25 BR @ LINDEN WV LAT 38 43 10 LONG 081 12 40

APR , 1979									
21...	--	--	40	0	50	--	--	--	--
SEP									
10...	<10	19000	310	10	300	620	.00	0	50

384803081205839 - M28.0SPRING CR @ HWY 33 BR @ SPENCER WV LAT 38 48 03 LONG 081 20 58

APR , 1979									
21...	--	--	110	0	120	--	--	--	--
SEP									
10...	20	24000	180	20	160	700	.00	0	90

390335081232539 - M29.0L KANAWHA R @ PALESTINE WV LAT 39 03 35 LONG 081 23 25

APR , 1979									
21...	--	--	40	10	30	--	--	--	--
SEP									
10...	<10	11000	90	50	40	300	.00	0	30

391215080515339 - M30.0S FK HUGHES R @ HWY 52 BR @ OXFORD WV LAT 39 12 15 LONG 080 51 53

APR , 1979									
21...	--	--	30	10	20	--	--	--	--
SEP									
12...	10	11000	110	20	90	390	.00	0	30

390855080502739 - M31.0MIDDLE FK @ HWY 22/3 BR NR HOLBROOK WV LAT 39 08 55 LONG 080 50 27

APR , 1979									
21...	--	--	100	60	40	--	--	--	--
SEP									
12...	<10	10000	50	0	50	750	.00	0	30

390638080565439 - M32.0BONE CR @ HWY 7/14 BR NR BERE A WV LAT 39 06 38 LONG 080 56 54

APR , 1979									
21...	--	--	70	30	40	--	--	--	--
SEP									
11...	20	22000	110	10	100	500	.00	0	60

390436081004439 - M33.0SPRUCE CR @ HWY 19/4 BR NR HAZELGREEN WV LAT 39 04 36 LONG 081 00 44

APR , 1979									
22...	--	--	50	10	40	--	--	--	--
SEP									
11...	20	30000	210	30	180	1000	.00	0	70

OHIO RIVER BASIN

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
LITTLE KANAWHA RIVER BASIN--Continued										
390333081053539 - M34.0LEATHERBARK CR @ HWY 16 BR @ SMITHVILLE WV LAT 39 03 33 LONG 081 05 35										
APR , 1979										
22...	1530	11	110	7.2	18.0	36	18	.0	.0	10
SEP										
11...	1735	1.8	145	6.9	22.0	49	12	.0	.0	14
390821081031739 - M35.0INDIAN CR @ HWY 16 BR @ WASHBURN WV LAT 39 08 21 LONG 081 03 17										
APR , 1979										
22...	1445	6.7	120	8.1	19.0	48	17	.0	.0	13
SEP										
11...	1120	1.0	180	7.2	17.0	65	12	.0	.0	18
391629080555339 - M36.0N FK HUGHES R @ HWY 50/40 BR @ TOLL GATE WV LAT 39 16 29 LONG 080 55 53										
APR , 1979										
21...	1400	9.4	120	7.0	16.0	48	17	.0	.0	13
SEP										
12...	1325	.49	190	7.5	22.5	65	11	.0	.0	18
391808081030339 - M37.0BONDS CR @ HWY 1 BR @ HIGHLAND WV LAT 39 18 08 LONG 081 03 03										
APR , 1979										
21...	1300	5.9	120	6.7	17.0	48	17	.0	.0	13
SEP										
12...	1440	.48	190	7.9	21.0	71	10	.0	.0	20
390710081164039 - M38.0HUGHES R @ CISCO WV LAT 39 07 10 LONG 081 16 40										
APR , 1979										
21...	1110	210	110	6.6	14.0	49	19	.0	.0	13
SEP										
10...	1925	216	170	6.7	20.5	56	18	.0	.0	16

OHIO RIVER BASIN

93

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

LITTLE KANAWHA RIVER BASIN--Continued

390333081053539 - M34.0LEATHERBARK CR @ HWY 16 BR @ SMITHVILLE WV LAT 39 03 33 LONG 081 05 35

APR , 1979									
22...	2.6	--	--	18	--	17	4.7	63	.09
SEP									
11...	3.4	5.9	.4	37	9.1	12	6.9	80	.11

390821081031739 - M35.0INDIAN CR @ HWY 16 BR @ WASHBURN WV LAT 39 08 21 LONG 081 03 17

APR , 1979									
22...	3.8	--	--	31	--	17	6.4	78	.11
SEP									
11...	4.9	9.2	.5	57	6.5	13	9.1	98	.13

391629080555339 - M36.0N FK HUGHES R @ HWY 50/40 BR @ TOLL GATE WV LAT 39 16 29 LONG 080 55 53

APR , 1979									
21...	3.8	--	--	31	--	19	5.0	81	.11
SEP									
12...	4.8	8.1	.4	59	3.3	12	6.5	101	.14

391808081030339 - M37.0BONDS CR @ HWY 1 BR @ HIGHLAND WV LAT 39 18 08 LONG 081 03 03

APR , 1979									
21...	3.8	--	--	31	--	19	3.1	77	.10
SEP									
12...	5.2	6.1	.3	66	1.5	14	3.4	30	.04

390710081164039 - M38.0HUGHES R @ CISCO WV LAT 39 07 10 LONG 081 16 40

APR , 1979									
21...	3.9	--	--	30	--	21	11	89	.12
SEP									
10...	4.0	7.2	.4	45	15	13	10	98	.13

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE- RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--	--

LITTLE KANAWHA RIVER BASIN--Continued

390333081053539 - M34.0LEATHERBARK CR @ HWY 16 BR @ SMITHVILLE WV LAT 39 03 33 LONG 081 05 35

APR , 1979									
22...	1.87	--	--	--	--	--	280	260	20
SEP									
11...	.41	0	<10	10	20	<10	600	--	200

390821081031739 - M35.0INDIAN CR @ HWY 16 BR @ WASHBURN WV LAT 39 08 21 LONG 081 03 17

APR , 1979									
22...	1.41	--	--	--	--	--	300	250	50
SEP									
11...	.28	0	<10	10	<10	<10	390	--	70

391629080555339 - M36.0N FK HUGHES R @ HWY 50/40 BR @ TOLL GATE WV LAT 39 16 29 LONG 080 55 53

APR , 1979									
21...	2.06	--	--	--	--	--	590	470	120
SEP									
12...	.13	0	<10	20	20	10	510	--	90

391808081030339 - M37.0BRONDS CR @ HWY 1 BR @ HIGHLAND WV LAT 39 18 08 LONG 081 03 03

APR , 1979									
21...	1.23	--	--	--	--	--	480	350	130
SEP									
12...	.04	0	<10	10	20	10	8900	--	50

390710081164039 - M38.0HUGHES R @ CISCO WV LAT 39 07 10 LONG 081 16 40

APR , 1979									
21...	50.5	--	--	--	--	--	380	320	60
SEP									
10...	57.2	0	<10	<10	<10	<10	660	--	140

OHIO RIVER BASIN

95

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	--	--	---	--

LITTLE KANAWHA RIVER BASIN--Continued

390333081053539 - M34.0LEATHERBARK CR @ HWY 16 BR @ SMITHVILLE WV LAT 39 03 33 LONG 081 05 35

APR , 1979									
22...	--	--	30	10	20	--	--	--	--
SEP									
11...	20	15000	120	10	110	490	.00	0	40

390821081031739 - M35.0INDIAN CR @ HWY 16 BR @ WASHBURN WV LAT 39 08 21 LONG 081 03 17

APR , 1979									
22...	--	--	30	20	10	--	--	--	--
SEP									
11...	<10	15000	50	20	30	480	.00	0	40

391629080555339 - M36.0N FK HUGHES R @ HWY 50/40 BR @ TOLL GATE WV LAT 39 16 29 LONG 080 55 53

APR , 1979									
21...	--	--	120	10	110	--	--	--	--
SEP									
12...	40	15000	450	30	420	1000	.00	0	60

391808081030339 - M37.0BONDS CR @ HWY 1 BR @ HIGHLAND WV LAT 39 18 08 LONG 081 03 03

APR , 1979									
21...	--	--	80	0	80	--	--	--	--
SEP									
12...	10	14000	100	0	110	980	.00	0	30

390710081164039 - M38.0HUGHES R @ CISCO WV LAT 39 07 10 LONG 081 16 40

APR , 1979									
21...	--	--	60	20	40	--	--	--	--
SEP									
10...	<10	10000	110	20	90	370	.00	0	20



FIGURE 6.--LOCATION OF SAMPLING SITES
IN THE KANAWHA RIVER BASIN

Table 5.--Name, location, and drainage area for sites in the Kanawha River basin.

Local No.	Name	County	Drain. Area (Mi ²)	Data Begins Page No.	Local No.	Name	County	Drain. Area (Mi ²)	Data Begins Page No.
N01.0	Bluestone River	Mercer	113	98	T06.0	Elk River	Webster	268.	122
N02.0	Widemouth Creek	"	23.5	"	T07.0	Laurel Creek	"	36.5	"
N03.0	Rich Creek	"	22.3	"	T08.0	Grassy Creek	"	19.4	"
N04.0	Mash Fork	"	12.5	"	T09.0	R Fk Holly River	"	51.1	126
N05.0	Camp Creek	"	18.8	"	T10.0	L Fk Holly River	"	12.1	"
N06.0	Bluestone River	Summers	363.	"	T11.0	Laurel Fork	"	11.5	"
N07.0	Little Bluestone River	"	26.4	"	T12.0	L Fk Holly River	"	48.1	"
P01.0	W Fk Greenbrier River	Pocahontas	20.4	"	T13.0	Birch River	"	16.3	"
P02.0	Little River	"	19.5	"	T14.0	Little Birch River	Braxton	27.2	"
P03.0	Deer Creek	"	24.1	102	T15.0	Birch River	"	124.	"
P05.0	Spring Creek	Greenbrier	11.4	"	T16.0	Strange Creek	"	27.6	"
P06.0	Greenbrier River	"	1,625.	"	T17.0	Groves Creek	Clay	13.8	"
Q01.0	Laurel Creek	Summers	14.4	"	T18.0	Robinson Fork	"	16.6	130
Q02.0	Lick Creek	"	37.5	"	T19.0	Buffalo Creek	"	22.4	"
Q03.0	Meadow Creek	"	18.2	"	T20.0	Buffalo Creek	"	113.	"
Q04.0	Glade Creek	Raleigh	14.1	"	T21.0	Middle Creek	"	7.58	"
Q05.0	Laurel Creek	Fayette	21.4	"	T22.0	Sycamore Creek	"	27.1	"
Q06.0	Piney Creek	Raleigh	24.5	"	T23.0	Elk River	Kanawha	1,145.	"
Q07.0	Piney Creek	"	52.2	106	T24.0	Big Sandy Creek	"	93.4	"
Q08.0	Glade Creek	Fayette	33.9	"	T25.0	Falling Rock Creek	"	24.6	"
Q09.0	Laurel Creek	"	17.3	"	T26.0	Blue Creek	"	50.1	"
R01.0	Williams River	Pocahontas	51.6	"	T27.0	Blue Creek	"	78.0	134
R02.0	Williams River	Webster	130.	"	T28.0	Lefthand Creek	"	27.8	"
R03.0	Gauley River	"	27.8	"	T29.0	Little Sandy Creek	"	28.2	"
R04.0	Gauley River	"	75.3	"	U01.0	Davis Creek	"	7.09	"
R05.0	N Fk Cranberry River	"	9.78	"	U02.0	Davis Creek	"	35.8	"
R06.0	Cranberry River	Nicholas	81.2	"	U03.0	Pocatalico River	Roane	54.2	"
R07.0	N Fk Cherry River	Greenbrier	11.8	110	U04.0	Flat Fork	"	25.7	"
R08.0	N Fk Cherry River	Nicholas	36.4	"	U05.0	Pocatalico Creek	Jackson	32.7	"
R09.0	Cherry River	"	86.6	"	U06.0	Middle Fork	"	29.2	"
R10.0	Laurel Creek	"	41.6	"	U07.0	Pocatalico River	Kanawha	238.	138
R11.0	Gauley River	"	528.	"	U08.0	Frog Creek	"	9.96	"
R12.0	Big Beaver Creek	"	29.5	"	U09.0	Poplar Fork	Putnam	8.71	"
R13.0	Brushy Fork	"	7.57	"	U10.0	Hurricane Creek	"	9.11	"
R14.0	Muddlety Creek	"	51.0	"	U11.0	Eighteenmile Creek	"	20.4	"
R16.0	Meadow River	Greenbrier	28.1	"	U12.0	Cherry Fork	"	14.0	"
R17.0	Little Clear Creek	"	21.0	114	U13.0	Eighteenmile Creek	"	64.7	"
R18.0	Big Clear Creek	"	47.1	"	U14.0	Poplar Fork	Mason	28.8	"
R19.0	Meadow River	"	156.	"	U15.0	Mudlick Fork	"	15.9	"
R20.0	Sewell Creek	"	40.1	"	V01.0	Marsh Fork	Raleigh	32.0	142
R21.0	Anglins Creek	Nicholas	33.0	"	V02.0	Sandlick Creek	"	19.9	"
R22.0	Peters Creek	"	40.7	"	V03.0	Marsh Fork	"	163.	"
R23.0	Gauley River	"	1,315.	"	V04.0	Clear Fork	"	63.2	"
R25.0	Bells Creek	"	31.6	"	V06.0	Laurel Creek	Boone	15.9	"
R26.0	Twentymile Creek	Fayette	85.2	"	V06.5	Laurel Creek	"	41.3	"
S01.0	Loop Creek	"	42.8	118	V06.6	Sandlick Creek	"	6.23	"
S02.0	Armstrong Creek	"	22.8	"	V07.0	Drawdy Creek	"	7.74	"
S03.0	Paint Creek	"	26.7	"	V08.0	Fork Creek	"	10.6	"
S04.0	Packs Branch	"	4.61	"	V09.0	Brier Creek	Kanawha	15.8	146
S05.0	Paint Creek	"	83.0	"	V10.0	Big Coal River	"	442.	"
S06.0	Kellys Creek	Kanawha	24.1	"	V11.0	Spruce Fork	Logan	25.6	"
S07.0	Fifteenmile Fork	"	4.53	"	V12.0	Spruce Laurel Fork	Boone	31.8	"
S08.0	Cabin Creek	"	5.77	"	V13.0	Hewitt Creek	"	18.9	"
S09.0	Cabin Creek	"	70.8	"	V14.0	Pond Fork	"	18.0	"
S10.0	Campbells Creek	"	32.6	122	V15.0	Pond Fork	"	58.3	"
T01.0	Old Field Fork	Pocahontas	22.9	"	V16.0	West Fork	"	42.7	"
T02.0	Big Spring Fork	"	21.4	"	V17.0	Little Coal River	"	319.	"
T03.0	Leatherwood Creek	Webster	19.2	"	V18.0	Big Horse Creek	"	28.4	150
T04.0	Little Sugar Creek	"	7.29	"	V19.0	Coal River	Kanawha	861.	"
T05.0	Sugar Creek	"	13.9	"					

OHIO RIVER BASIN

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
KANAWHA RIVER BASIN										
371948081181339 - N01.0BLUESTONE R @ HWY 52 BR @ BRAMWELL WV LAT 37 19 48 LONG 081 18 13										
MAY , 1979										
11...	1100	116	255	7.0	19.0	--	--	--	--	--
SEP										
12...	0750	37	440	7.8	16.0	160	29	.0	.0	49
372239081135539 - N02.0WIDEMOUTH CR @ HWY 71/3 BR NR ROCK WV LAT 37 22 39 LONG 081 13 55										
MAY , 1979										
11...	1315	49	305	7.6	16.0	100	37	.0	.0	25
SEP										
12...	1010	9.5	480	8.3	15.0	160	47	.0	.0	38
372630081080839 - N03.0RICH CR @ HWY 12/7 BR NR SPANISHBURG WV LAT 37 26 30 LONG 081 08 08										
MAY , 1979										
11...	1500	37	144	7.4	19.0	42	37	.0	.0	11
SEP										
11...	1730	5.3	280	8.0	19.0	70	0	.0	.0	18
373012081080639 - N04.0MASH FK U/S FROM CAMP CR NR CAMP CR WV LAT 37 30 12 LONG 081 08 06										
MAY , 1979										
11...	1740	40	39	7.1	15.5	14	4	.0	.0	3.1
SEP										
11...	1440	1.4	75	7.6	17.0	29	12	.0	.0	6.6
373017081080239 - N05.0CAMP CR @ BR U/S FROM MASH FK NR CAMP CR WV LAT 37 30 17 LONG 081 08 02										
MAY , 1979										
11...	1820	38	100	6.8	16.0	14	4	.0	.0	3.4
SEP										
11...	1400	5.2	118	7.3	15.0	20	0	.0	.0	5.2
373245081003039 - N06.0BLUESTONE R NR PIPESTEM WV LAT 37 32 45 LONG 081 00 30										
MAY , 1979										
12...	0900	682	180	6.8	18.0	56	13	.0	.0	16
SEP										
12...	1400	121	350	8.7	22.0	120	26	.0	.0	34
373628080591339 - N07.0L BLUESTONE R @ HY 27 BR NR JUMPING BR WV LAT 37 36 28 LONG 080 59 13										
MAY , 1979										
12...	1120	28	54	6.4	16.0	18	6	.0	.0	4.9
SEP										
12...	1640	5.3	70	8.1	18.0	29	0	.0	.0	7.9
383827079482239 - P01.0W FK GREENBRIER R @ RR BR NR WILDELL WV LAT 38 38 27 LONG 079 48 22										
MAY , 1979										
12...	0830	130	28	6.6	11.0	9	6	.0	.0	2.4
SEP										
10...	1720	21	38	7.3	17.5	15	5	.0	.0	4.3
383659079482439 - P02.0L RIVER @ HWY 44 BR @ MOUTH NR WILDELL WV LAT 38 36 59 LONG 079 48 24										
MAY , 1979										
12...	0930	55	20	6.6	12.0	8	5	.0	.0	2.3
SEP										
10...	1830	25	30	7.1	13.0	10	3	.0	.0	2.6

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

KANAWHA RIVER BASIN--Continued

371948081181339 - N01.0BLUESTONE R @ HWY 52 BR @ BRAMWELL WV LAT 37 19 48 LONG 081 18 13

MAY , 1979									
11...	--	--	--	--	--	--	--	--	--
SEP									
12...	8.9	14	.5	137	4.0	29	15	207	.28

372239081135539 - N02.0WIDEMOUTH CR @ HWY 71/3 BR NR ROCK WV LAT 37 22 39 LONG 081 13 55

MAY , 1979									
11...	9.3	--	--	64	--	48	3.3	152	.21
SFP									
12...	15	22	.8	107	1.1	86	5.0	236	.32

372630081080839 - N03.0RICH CR @ HWY 12/7 BR NR SPANISHBURG WV LAT 37 26 30 LONG 081 08 08

MAY , 1979									
11...	3.6	--	--	5	--	24	1.7	77	.10
SEP									
11...	6.0	25	1.3	81	1.4	41	1.7	136	.19

373012081080639 - N04.0MASH FK U/S FROM CAMP CR NR CAMP CR WV LAT 37 30 12 LONG 081 08 06

MAY , 1979									
11...	1.4	--	--	10	--	7.2	.7	27	.04
SEP									
11...	3.0	2.7	.2	17	.8	16	.9	42	.06

373017081080239 - N05.0CAMP CR @ BR U/S FROM MASH FK NR CAMP CR WV LAT 37 30 17 LONG 081 08 02

MAY , 1979									
11...	1.3	--	--	10	--	4.0	20	54	.07
SEP									
11...	1.8	17	1.6	17	2.2	5.4	23	57	.08

373245081003039 - N06.0BLUESTONE R NR PIPESTEM WV LAT 37 32 45 LONG 081 00 30

MAY , 1979									
12...	4.0	--	--	43	--	17	9.9	102	.14
SEP									
12...	7.6	20	.8	90	.4	31	16	163	.22

373628080591339 - N07.0L BLUESTONE R @ HY 27 BR NR JUMPING BR WV LAT 37 36 28 LONG 080 59 13

MAY , 1979									
12...	1.4	--	--	12	--	5.1	2.1	36	.05
SEP									
12...	2.2	3.2	.3	24	.5	6.1	2.9	43	.06

383827079482239 - P01.0W FK GREENBRIER R @ RR BR NR WILDELL WV LAT 38 38 27 LONG 079 48 22

MAY , 1979									
12...	.7	--	--	3	--	3.7	.4	28	.04
SEP									
10...	1.0	.8	.1	10	1.0	4.4	.2	30	.04

383659079482439 - P02.0L RIVER @ HWY 44 BR @ MOUTH NR WILDELL WV LAT 38 36 59 LONG 079 48 24

MAY , 1979									
12...	.6	--	--	3	--	2.9	.4	23	.03
SEP									
10...	.8	.8	.1	7	1.1	4.2	.5	25	.03

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--	--

KANAWHA RIVER BASIN--Continued

371948081181339 - N01.0BLUESTONE R @ HWY 52 BR @ BRAMWELL WV LAT 37 19 48 LONG 081 18 13

MAY , 1979									
11...	--	--	--	--	--	--	--	--	--
SEP									
12...	20.7	0	<10	10	20	20	720	--	30

372239081135539 - N02.0WIDEMOUTH CR @ HWY 71/3 BR NR ROCK WV LAT 37 22 39 LONG 081 13 55

MAY , 1979									
11...	20.1	--	--	--	--	--	1600	1600	40
SEP									
12...	6.05	0	<10	<10	<10	<10	410	--	20

372630081080839 - N03.0RICH CR @ HWY 12/7 BR NR SPANISHBURG WV LAT 37 26 30 LONG 081 08 08

MAY , 1979									
11...	7.69	--	--	--	--	--	720	620	100
SEP									
11...	1.95	0	<10	<10	<10	<10	940	--	280

373012081080639 - N04.0MASH FK U/S FROM CAMP CR NR CAMP CR WV LAT 37 30 12 LONG 081 08 06

MAY , 1979									
11...	2.92	--	--	--	--	--	480	390	90
SEP									
11...	.16	0	<10	10	10	10	270	--	220

373017081080239 - N05.0CAMP CR @ BR U/S FROM MASH FK NR CAMP CR WV LAT 37 30 17 LONG 081 08 02

MAY , 1979									
11...	5.54	--	--	--	--	--	510	450	60
SEP									
11...	.80	0	<10	10	10	<10	340	--	180

373245081003039 - N06.0BLUESTONE R NR PIPESTEM WV LAT 37 32 45 LONG 081 00 30

MAY , 1979									
12...	188	--	--	--	--	--	2200	2100	110
SEP									
12...	53.3	0	<10	10	10	10	220	--	40

373628080591339 - N07.0L BLUESTONE R @ HY 27 BR NR JUMPING BR WV LAT 37 36 28 LONG 080 59 13

MAY , 1979									
12...	2.72	--	--	--	--	--	380	330	50
SEP									
12...	.62	0	<10	20	10	20	200	--	40

383827079482239 - P01.0W FK GREENBRIER R @ RR BR NR WILDELL WV LAT 38 38 27 LONG 079 48 22

MAY , 1979									
12...	9.83	--	--	--	--	--	490	430	60
SEP									
10...	1.70	0	<10	<10	<10	<10	440	--	230

383659079482439 - P02.0L RIVER @ HWY 44 BR @ MOUTH NR WILDELL WV LAT 38 36 59 LONG 079 48 24

MAY , 1979									
12...	3.42	--	--	--	--	--	350	250	100
SEP									
10...	1.69	0	<10	<10	<10	<10	330	--	130

OHIO RIVER BASIN

101

DATE	LEAD. RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	---	--	---	--

KANAWHA RIVER BASIN--Continued

371948081181339 - N01.0BLUESTONE R @ HWY 52 BR @ BRAMWELL WV LAT 37 19 48 LONG 081 18 13

MAY , 1979									
11...	--	--	--	--	--	--	--	--	--
SEP									
12...	20	17000	30	0	40	580	.00	0	100

372239081135539 - N02.0WIDEMOUTH CR @ HWY 71/3 BR NR ROCK WV LAT 37 22 39 LONG 081 13 55

MAY , 1979									
11...	--	--	70	40	30	--	--	--	--
SEP									
12...	20	11000	30	20	10	350	.00	0	50

372630081080839 - N03.0RICH CR @ HWY 12/7 BR NR SPANISHBURG WV LAT 37 26 30 LONG 081 08 08

MAY , 1979									
11...	--	--	40	10	30	--	--	--	--
SEP									
11...	<10	8000	60	0	90	420	.00	0	20

373012081080639 - N04.0MASH FK U/S FROM CAMP CR NR CAMP CR WV LAT 37 30 12 LONG 081 08 06

MAY , 1979									
11...	--	--	20	20	0	--	--	--	--
SEP									
11...	10	20000	20	10	10	370	.00	0	30

373017081080239 - N05.0CAMP CR @ BR U/S FROM MASH FK NR CAMP CR WV LAT 37 30 17 LONG 081 08 02

MAY , 1979									
11...	--	--	20	10	10	--	--	--	--
SEP									
11...	10	15000	20	10	7	290	.00	0	30

373245081003039 - N06.0BLUESTONE R NR PIPESTEM WV LAT 37 32 45 LONG 081 00 30

MAY , 1979									
12...	--	--	120	100	20	--	--	--	--
SEP									
12...	10	20000	30	20	9	350	.00	0	50

373628080591339 - N07.0L BLUESTONE R @ HY 27 BR NR JUMPING BR WV LAT 37 36 28 LONG 080 59 13

MAY , 1979									
12...	--	--	10	0	10	--	--	--	--
SEP									
12...	30	28000	20	20	5	890	.00	0	70

383827079482239 - P01.0W FK GREENBRIER R @ RR BR NR WILDELL WV LAT 38 38 27 LONG 079 48 22

MAY , 1979									
12...	--	--	40	20	20	--	--	--	--
SEP									
10...	20	9500	20	0	20	280	.00	0	30

383659079482439 - P02.0L RIVER @ HWY 44 BR @ MOUTH NR WILDELL WV LAT 38 36 59 LONG 079 48 24

MAY , 1979									
12...	--	--	30	10	20	--	--	--	--
SEP									
10...	20	9500	20	10	10	220	.00	0	40

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
------	------	---	--	---------------	-----------------------------	--	--	--	----------------------------------	--

KANAWHA RIVER BASIN--Continued

382637079494739 - P03.0DEER CR @ HWY 28/4 @ ARBOVALE WV LAT 38 26 37 LONG 079 49 47

MAY , 1979

12... 1045 227 35 7.0 14.0 10 3 .0 .0 2.5

SEP

10... 1500 7.2 30 7.4 19.0 16 4 .0 .0 3.6

380446080242539 - P05.0SPRING CR @ HWY 5 @ LEONARD WV LAT 38 04 46 LONG 080 24 25

MAY , 1979

12... 1350 12 50 7.9 20.5 23 3 .0 .0 7.0

SEP

10... 1130 6.3 37 7.2 12.0 23 3 .0 .0 6.7

373825080482039 - P06.0GREENBRIER R @ HILLDALE WV LAT 37 38 25 LONG 080 48 20

MAY , 1979

11... 1705 1440 90 8.0 22.0 49 6 .0 .0 16

SEP

11... 1130 1070 160 7.9 19.5 46 6 .0 .0 15

374542080513539 - 001.0LAUREL CR @ WILLIS BR NR SANDSTONE WV LAT 37 45 42 LONG 080 51 35

MAY , 1979

13... 0845 225 74 6.4 14.0 30 5 .0 .0 8.9

SEP

13... 1620 16 130 8.0 19.0 44 9 .0 .0 13

374719080530239 - 002.0LICK CR @ PRIVATE BR NR SANDSTONE WV LAT 37 47 19 LONG 080 53 02

MAY , 1979

13... 1005 735 73 5.8 14.0 28 12 .0 .0 8.0

SEP

13... 1500 11 140 8.4 20.0 46 1 .0 .0 13

375008080522339 - 003.0MEADOW CR @ HWY 7/1 BR @ CLAYPOOL WV LAT 37 50 08 LONG 080 52 23

MAY , 1979

13... 1210 212 71 6.2 15.0 24 11 .0 .0 6.4

SEP

13... 1300 5.2 150 7.9 17.0 57 31 .0 .0 14

373917081045839 - 004.0GLADE CR @ HWY 31 BR @ COOL RIDGE WV LAT 37 39 17 LONG 081 04 58

MAY , 1979

12... 1230 18 94 6.2 18.0 18 14 .0 .0 4.5

SEP

12... 1850 4.8 88 7.1 17.5 21 12 .0 .0 5.3

375127080593739 - 005.0LAUREL CR @ HWY 41/19 BR @ LAUREL CR WV LAT 37 51 27 LONG 080 59 37

MAY , 1979

12... 1745 56 95 6.2 16.5 29 17 .0 .0 6.7

SEP

13... 0840 11 150 7.8 16.0 47 26 .0 .0 11

374237081114039 - 006.0PINEY CR @ HWY 25 BR NR CRAB ORCHARD WV LAT 37 42 37 LONG 081 11 40

MAY , 1979

12... 1445 41 225 6.5 17.0 72 51 .0 .0 16

SEP

14... 0820 8.2 350 7.3 17.5 97 54 .0 .0 23

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

KANAWHA RIVER BASIN--Continued

382637079494739 - P03.0DEER CR @ HWY 28/4 @ ARBOVALE WV LAT 38 26 37 LONG 079 49 47

MAY , 1979									
12...	1.0	--	--	7	--	5.7	1.5	34	.05
SEP									
10...	1.6	2.2	.2	12	.9	6.1	1.3	34	.05

380446080242539 - P05.0SPRING CR @ HWY 5 @ LEONARD WV LAT 38 04 46 LONG 080 24 25

MAY , 1979									
12...	1.4	--	--	20	--	5.8	.7	44	.06
SEP									
10...	1.5	1.5	.1	20	2.5	5.7	.1	38	.05

373825080482039 - P06.0GREENBRIER R @ HILLDALE WV LAT 37 38 25 LONG 080 48 20

MAY , 1979									
11...	2.2	--	--	43	--	8.5	3.5	77	.10
SEP									
11...	2.1	3.3	.2	40	1.0	9.5	3.0	62	.08

374542080513539 - 001.0LAUREL CR @ WILLIS BR NR SANDSTONE WV LAT 37 45 42 LONG 080 51 35

MAY , 1979									
13...	2.0	--	--	25	--	8.0	1.3	58	.08
SEP									
13...	2.9	3.4	.2	35	.7	11	2.1	51	.07

374719080530239 - 002.0LICK CR @ PRIVATE BR NR SANDSTONE WV LAT 37 47 19 LONG 080 53 02

MAY , 1979									
13...	1.9	--	--	16	--	8.4	1.3	54	.07
SEP									
13...	3.4	3.8	.2	44	.4	9.7	2.0	55	.07

375008080522339 - 003.0MEADOW CR @ HWY 7/1 BR @ CLAYPOOL WV LAT 37 50 08 LONG 080 52 23

MAY , 1979									
13...	2.0	--	--	13	--	13	2.9	50	.07
SEP									
13...	5.4	5.1	.3	26	.6	34	3.6	76	.10

373917081045839 - 004.0GLADE CR @ HWY 31 BR @ COOL RIDGE WV LAT 37 39 17 LONG 081 04 58

MAY , 1979									
12...	1.6	--	--	4	--	7.2	16	54	.07
SEP									
12...	1.8	7.0	.7	10	1.4	6.8	12	46	.06

375127080593739 - 005.0LAUREL CR @ HWY 41/19 BR @ LAUREL CR WV LAT 37 51 27 LONG 080 59 37

MAY , 1979									
12...	3.0	--	--	12	--	21	2.3	53	.07
SEP									
13...	4.8	8.1	.5	29	.7	32	1.5	72	.10

374237081114039 - 006.0PINEY CR @ HWY 25 BR NR CRAB ORCHARD WV LAT 37 42 37 LONG 081 11 40

MAY , 1979									
12...	7.8	--	--	21	--	67	1.7	131	.18
SEP									
14...	9.5	23	1.0	43	4.2	95	2.6	180	.24

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--	--

KANAWHA RIVER BASIN--Continued

382637079494739 - P03.0DEER CR @ HWY 28/4 @ ARBOVALE WV LAT 38 26 37 LONG 079 49 47

MAY , 1979									
12...	20.8	--	--	--	--	--	1000	910	90
SEP									
10...	.66	0	<10	10	20	20	450	--	170

380446080242539 - P05.0SPRING CR @ HWY 5 @ LEONARD WV LAT 38 04 46 LONG 080 24 25

MAY , 1979									
12...	1.43	--	--	--	--	--	140	120	20
SEP									
10...	.65	0	<10	20	10	10	80	--	20

373825080482039 - P06.0GREENBRIER R @ HILLDALE WV LAT 37 38 25 LONG 080 48 20

MAY , 1979									
11...	299	--	--	--	--	--	290	260	30
SEP									
11...	179	0	<10	10	20	10	490	--	80

374542080513539 - Q01.0LAUREL CR @ WILLIS BR NR SANDSTONE WV LAT 37 45 42 LONG 080 51 35

MAY , 1979									
13...	35.2	--	--	--	--	--	12000	12000	90
SEP									
13...	2.20	0	<10	20	20	20	270	--	20

374719080530239 - Q02.0LICK CR @ PRIVATE BR NR SANDSTONE WV LAT 37 47 19 LONG 080 53 02

MAY , 1979									
13...	107	--	--	--	--	--	6100	6000	80
SEP									
13...	1.63	0	<10	30	20	20	180	--	40

375008080522339 - Q03.0MEADOW CR @ HWY 7/1 BR @ CLAYPOOL WV LAT 37 50 08 LONG 080 52 23

MAY , 1979									
13...	28.6	--	--	--	--	--	5800	5600	170
SEP									
13...	1.07	0	<10	10	20	<10	510	--	60

373917081045839 - Q04.0GLADE CR @ HWY 31 BR @ COOL RIDGE WV LAT 37 39 17 LONG 081 04 58

MAY , 1979									
12...	2.62	--	--	--	--	--	960	770	190
SEP									
12...	.60	0	<10	<10	10	<10	850	--	300

375127080593739 - Q05.0LAUREL CR @ HWY 41/19 BR @ LAUREL CR WV LAT 37 51 27 LONG 080 59 37

MAY , 1979									
12...	8.01	--	--	--	--	--	850	790	60
SEP									
13...	2.14	0	<10	10	30	20	570	--	80

374237081114039 - Q06.0PINEY CR @ HWY 25 BR NR CRAB ORCHARD WV LAT 37 42 37 LONG 081 11 40

MAY , 1979									
12...	14.5	--	--	--	--	--	470	410	60
SEP									
14...	3.99	0	<10	10	20	20	640	--	90

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	---	--	---	--

KANAWHA RIVER BASIN--Continued

382637079494739 - P03.0DEER CR @ HWY 28/4 @ ARBOVALE WV LAT 38 26 37 LONG 079 49 47

MAY , 1979									
12...	--	--	60	40	20	--	--	--	--
SEP									
10...	20	20000	30	10	20	430	.00	0	60

380446080242539 - P05.0SPRING CR @ HWY 5 @ LEONARD WV LAT 38 04 46 LONG 080 24 25

MAY , 1979									
12...	--	--	10	10	0	--	--	--	--
SEP									
10...	10	21000	30	30	3	920	.00	0	50

373825080482039 - P06.0GREENBRIER R @ HILLDALE WV LAT 37 38 25 LONG 080 48 20

MAY , 1979									
11...	--	--	30	30	0	--	--	--	--
SEP									
11...	20	20000	30	20	10	460	.00	0	50

374542080513539 - Q01.0LAUREL CR @ WILLIS BR NR SANDSTONE WV LAT 37 45 42 LONG 080 51 35

MAY , 1979									
13...	--	--	490	470	20	--	--	--	--
SEP									
13...	20	23000	0	0	8	990	.00	0	50

374719080530239 - Q02.0LICK CR @ PRIVATE BR NR SANDSTONE WV LAT 37 47 19 LONG 080 53 02

MAY , 1979									
13...	--	--	260	220	40	--	--	--	--
SEP									
13...	90	36000	20	10	7	920	.00	0	60

375008080522339 - Q03.0MEADOW CR @ HWY 7/1 BR @ CLAYPOOL WV LAT 37 50 08 LONG 080 52 23

MAY , 1979									
13...	--	--	230	150	80	--	--	--	--
SEP									
13...	<10	22000	50	40	9	390	.00	0	40

373917081045839 - Q04.0GLADE CR @ HWY 31 BR @ COOL RIDGE WV LAT 37 39 17 LONG 081 04 58

MAY , 1979									
12...	--	--	110	20	90	--	--	--	--
SEP									
12...	<10	4800	80	20	60	890	.00	0	20

375127080593739 - Q05.0LAUREL CR @ HWY 41/19 BR @ LAUREL CR WV LAT 37 51 27 LONG 080 59 37

MAY , 1979									
12...	--	--	70	20	50	--	--	--	--
SEP									
13...	10	20000	50	10	40	1100	.00	0	90

374237081114039 - Q06.0PINEY CR @ HWY 25 BR NR CRAB ORCHARD WV LAT 37 42 37 LONG 081 11 40

MAY , 1979									
12...	--	--	460	0	470	--	--	--	--
SEP									
14...	60	17000	260	30	230	830	.00	0	100

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
KANAWHA RIVER BASIN--Continued										
374540081095039 - Q07.0PINEY CR @ RALEIGH WV LAT 37 45 40 LONG 081 09 50										
MAY , 1979										
12...	1620	75	215	6.6	19.0	66	41	.0	.0	16
SEP										
13...	1850	11	300	7.8	19.0	80	52	.0	.0	19
375845080564839 - Q08.0GLADE CR @ HWY 41/18 BR @ BABCOCK ST PK WV LAT 37 58 45 LONG 080 56 48										
MAY , 1979										
12...	1955	104	64	6.8	16.0	15	5	.0	.0	3.4
SEP										
13...	1020	22	165	8.1	16.5	26	0	.0	.0	6.1
380552081091639 - Q09.0LAUREL CR @ BR IN BECKWITH WV LAT 38 05 52 LONG 081 09 16										
MAY , 1979										
13...	1515	75	600	6.7	15.0	96	38	.0	.0	22
SEP										
14...	1120	12	>800	8.4	18.0	330	66	.0	.0	73
382027080135839 - R01.0WILLIAMS R @ HWY 135 BR NR HANDLEY P H A WV LAT 38 20 27 LONG 080 13 58										
MAY , 1979										
12...	1515	4.4	<50	6.0	18.0	17	6	.0	.0	5.3
SEP										
13...	1140	44	45	6.7	15.5	17	3	.0	.0	5.1
382245080290539 - R02.0WILLIAMS R @ DYER WV LAT 38 22 45 LONG 080 29 05										
MAY , 1979										
12...	1200	241	<50	5.8	15.5	8	4	.0	.0	2.3
SEP										
13...	1030	98	40	6.4	17.0	10	3	.0	.0	2.8
382517080181539 - R03.0GAULEY R @ HWY 42 BR @ JERRYVILLE WV LAT 38 25 17 LONG 080 18 15										
MAY , 1979										
12...	1720	50	<50	5.8	18.0	15	11	.0	.0	3.6
SEP										
13...	0820	25	60	6.4	15.0	20	12	.0	.0	4.7
382314080311139 - R04.0GAULEY R @ HWY 46 BR @ WILLIAMS RIVER WV LAT 38 23 14 LONG 080 31 11										
MAY , 1979										
12...	1355	160	<50	5.9	19.0	14	10	.0	.0	3.4
SEP										
13...	0935	60	50	6.3	17.0	16	8	.0	.0	3.8
381530080192839 - R05.0N F CRANBERRY R @ HY 76 BR @ CRANBERRY R WV LAT 38 15 30 LONG 080 19 28										
MAY , 1979										
12...	1035	19	<50	4.5	12.0	6	5	.0	.0	1.7
SEP										
12...	1320	14	25	5.1	15.0	7	4	.0	.0	1.7
381745080314039 - R06.0CRANBERRY R NR RICHWOOD WV LAT 38 17 45 LONG 080 31 40										
MAY , 1979										
12...	0845	217	<50	5.6	14.0	7	4	.0	.0	1.8
SEP										
12...	1120	73	30	6.1	11.0	8	3	.0	.0	2.1

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

KANAWHA RIVER BASIN--Continued

374540081095039 - Q07.0PINEY CR @ RALEIGH WV LAT 37 45 40 LONG 081 09 50

MAY , 1979									
12...	6.4	--	--	25	--	54	9.4	124	.17
SEP									
13...	7.9	18	.9	35	.9	70	8.9	144	.20

375845080564839 - Q08.0GLADE CR @ HWY 41/18 BR @ BABCOCK ST PK WV LAT 37 58 45 LONG 080 56 48

MAY , 1979									
12...	1.6	--	--	10	--	14	2.1	50	.07
SEP									
13...	2.5	24	2.1	46	.6	25	2.8	81	.11

380552081091639 - Q09.0LAUREL CR @ BR IN BECKWITH WV LAT 38 05 52 LONG 081 09 16

MAY , 1979									
13...	10	--	--	58	--	200	8.8	376	.51
SEP									
14...	35	430	10	260	2.0	880	30	1550	2.11

382027080135839 - R01.0WILLIAMS R @ HWY 135 BR NR HANDLEY P H A WV LAT 38 20 27 LONG 080 13 58

MAY , 1979									
12...	.9	--	--	11	--	5.0	.6	33	.04
SEP									
13...	1.1	1.0	.1	14	5.5	4.0	.3	32	.04

382245080290539 - R02.0WILLIAMS R @ DYER WV LAT 38 22 45 LONG 080 29 05

MAY , 1979									
12...	.6	--	--	4	--	3.9	.5	21	.03
SEP									
13...	.8	1.0	.1	7	5.4	3.8	.5	24	.03

382517080181539 - R03.0GAULEY R @ HWY 42 BR @ JERRYVILLE WV LAT 38 25 17 LONG 080 18 15

MAY , 1979									
12...	1.4	--	--	4	--	10	.5	30	.04
SEP									
13...	2.1	.9	.1	8	6.2	13	.5	35	.05

382314080311139 - R04.0GAULEY R @ HWY 46 BR @ WILLIAMS RIVER WV LAT 38 23 14 LONG 080 31 11

MAY , 1979									
12...	1.3	--	--	4	--	9.1	1.3	32	.04
SEP									
13...	1.6	1.8	.2	8	7.8	9.7	1.1	32	.04

381530080192839 - R05.0N F CRANBERRY R @ HY 76 BR @ CRANBERRY R WV LAT 38 15 30 LONG 080 19 28

MAY , 1979									
12...	.4	--	--	1	--	4.2	.5	18	.02
SEP									
12...	.6	.4	.1	3	47	3.9	.3	18	.02

381745080314039 - R06.0CRANBERRY R NR RICHWOOD WV LAT 38 17 45 LONG 080 31 40

MAY , 1979									
12...	.5	--	--	3	--	4.0	.6	18	.02
SEP									
12...	.6	.6	.1	5	7.8	4.1	.5	20	.03

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	---	--

KANAWHA RIVER BASIN--Continued

374540081095039 - Q07.0PINEY CR @ RALEIGH WV LAT 37 45 40 LONG 081 09 50

MAY , 1979									
12...	25.1	--	--	--	--	--	850	790	60
SEP									
13...	4.28	0	<10	20	10	20	480	--	60

375845080564839 - Q08.0GLADE CR @ HWY 41/18 BR @ BABCOCK ST PK WV LAT 37 58 45 LONG 080 56 48

MAY , 1979									
12...	14.0	--	--	--	--	--	670	570	100
SEP									
13...	4.81	0	<10	<10	10	<10	660	--	380

380552081091639 - Q09.0LAUREL CR @ BR IN BECKWITH WV LAT 38 05 52 LONG 081 09 16

MAY , 1979									
13...	76.1	--	--	--	--	--	4700	4400	260
SEP									
14...	50.2	0	<10	10	10	<10	1200	--	30

382027080135839 - R01.0WILLIAMS R @ HWY 135 BR NR HANDLEY P H A WV LAT 38 20 27 LONG 080 13 58

MAY , 1979									
12...	.39	--	--	--	--	--	270	230	40
SEP									
13...	3.80	0	<10	<10	10	<10	270	--	90

382245080290539 - R02.0WILLIAMS R @ DYER WV LAT 38 22 45 LONG 080 29 05

MAY , 1979									
12...	12.4	--	--	--	--	--	150	120	30
SEP									
13...	6.35	0	<10	<10	10	<10	130	--	40

382517080181539 - R03.0GAULEY R @ HWY 42 BR @ JERRYVILLE WV LAT 38 25 17 LONG 080 18 15

MAY , 1979									
12...	4.05	--	--	--	--	--	150	100	50
SEP									
13...	2.36	0	<10	<10	10	10	100	--	20

382314080311139 - R04.0GAULEY R @ HWY 46 BR @ WILLIAMS RIVER WV LAT 38 23 14 LONG 080 31 11

MAY , 1979									
12...	13.8	--	--	--	--	--	290	270	20
SEP									
13...	5.18	0	<10	<10	<10	<10	210	--	50

381530080192839 - R05.0N F CRANBERRY R @ HY 76 BR @ CRANBERRY R WV LAT 38 15 30 LONG 080 19 28

MAY , 1979									
12...	.92	--	--	--	--	--	110	90	20
SEP									
12...	.68	0	<10	<10	10	<10	100	--	20

381745080314039 - R06.0CRANBERRY R NR RICHWOOD WV LAT 38 17 45 LONG 080 31 40

MAY , 1979									
12...	10.5	--	--	--	--	--	130	100	30
SEP									
12...	3.94	0	<10	<10	<10	<10	180	--	40

OHIO RIVER BASIN

109

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	---	--	---	--

KANAWHA RIVER BASIN--Continued

374540081095039 - Q07.0PINEY CR @ RALEIGH WV LAT 37 45 40 LONG 081 09 50

MAY , 1979									
12...	--	--	250	30	220	--	--	--	--
SEP									
13...	30	14000	200	50	150	340	.00	0	70

375845080564839 - Q08.0GLADE CR @ HWY 41/18 BR @ BABCOCK ST PK WV LAT 37 58 45 LONG 080 56 48

MAY , 1979									
12...	--	--	60	20	40	--	--	--	--
SEP									
13...	10	18000	40	10	30	840	.00	0	60

380552081091639 - Q09.0LAUREL CR @ BR IN BECKWITH WV LAT 38 05 52 LONG 081 09 16

MAY , 1979									
13...	--	--	490	180	310	--	--	--	--
SEP									
14...	10	20000	540	70	470	1000	.00	0	40

382027080135839 - R01.0WILLIAMS R @ HWY 135 BR NR HANDLEY P H A WV LAT 38 20 27 LONG 080 13 58

MAY , 1979									
12...	--	--	20	10	10	--	--	--	--
SEP									
13...	10	3700	20	0	20	660	.00	0	50

382245080290539 - R02.0WILLIAMS R @ DYER WV LAT 38 22 45 LONG 080 29 05

MAY , 1979									
12...	--	--	30	0	30	--	--	--	--
SEP									
13...	10	4400	20	10	10	130	.00	0	30

382517080181539 - R03.0GAULEY R @ HWY 42 BR @ JERRYVILLE WV LAT 38 25 17 LONG 080 18 15

MAY , 1979									
12...	--	--	50	10	40	--	--	--	--
SEP									
13...	10	16000	50	0	50	560	.00	0	60

382314080311139 - R04.0GAULEY R @ HWY 46 BR @ WILLIAMS RIVER WV LAT 38 23 14 LONG 080 31 11

MAY , 1979									
12...	--	--	30	20	10	--	--	--	--
SEP									
13...	<10	4200	10	0	10	380	.00	0	30

381530080192839 - R05.0N F CRANBERRY R @ HY 76 BR @ CRANBERRY R WV LAT 38 15 30 LONG 080 19 28

MAY , 1979									
12...	--	--	60	10	50	--	--	--	--
SEP									
12...	10	6400	60	0	60	150	.00	0	10

381745080314039 - R06.0CRANBERRY R NR RICHWOOD WV LAT 38 17 45 LONG 080 31 40

MAY , 1979									
12...	--	--	10	0	10	--	--	--	--
SEP									
12...	<10	3800	20	0	20	180	.00	0	260

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
KANAWHA RIVER BASIN--Continued										
381312080234339 - R07.0N FK CHERRY R @ HWY 39 BR LAT 38 13 12 LONG 080 23 43										
MAY , 1979										
11...	2010	28	<50	4.9	12.5	9	5	.0	.0	2.8
SEP										
12...	1445	15	35	6.1	15.5	10	6	.0	.0	2.8
381347080312939 - R08.0N F CHERRY R @ HWY 38/17 BR IN RICHWOOD WV LAT 38 13 47 LONG 080 31 29										
MAY , 1979										
11...	1715	130	<50	5.5	15.0	8	5	.0	.0	2.4
SEP										
12...	1600	31	35	5.6	17.5	10	0	.0	.0	2.6
381318080315939 - R09.0CHERRY R @ HWY 39/18 BR IN RICHWOOD WV LAT 38 13 18 LONG 080 31 59										
MAY , 1979										
11...	1740	240	<50	5.3	16.0	11	8	.0	.0	3.1
SEP										
12...	1705	87	40	5.8	18.5	12	7	.0	.0	3.0
381315080352739 - R10.0LAUREL CR @ HWY 39/26 BR @ FENWICK WV LAT 38 13 15 LONG 080 35 27										
MAY , 1979										
11...	1630	95	55	5.8	16.0	25	21	.0	.0	5.5
SEP										
12...	1000	41	90	6.1	14.5	29	22	.0	.0	6.0
381730080383039 - R11.0GAULEY R NR CRAIGSVILLE WV LAT 38 17 30 LONG 080 38 30										
MAY , 1979										
11...	1450	1130	<50	6.1	18.0	12	8	.0	.0	3.2
SEP										
12...	0900	588	40	6.5	17.0	12	5	.0	.0	3.2
381942080395639 - R12.0BIG BEAVER CR @ HWY 5 BR @ CRAIGSVILLE WV LAT 38 19 42 LONG 080 39 56										
MAY , 1979										
11...	1345	50	80	6.5	19.5	39	37	.0	.0	7.5
SEP										
12...	0745	30	145	5.9	15.0	53	47	.0	.0	10
382308080482939 - R13.0BRUSHY FK @ HWY 19 BR @ HOOKERVILLE WV LAT 38 23 08 LONG 080 48 29										
MAY , 1979										
11...	1230	10	70	6.1	18.0	25	12	.0	.0	5.3
SEP										
10...	1650	10	80	6.0	16.5	25	20	.0	.0	5.5
381839080500939 - R14.0MUDDLETY CR @ HWY 41 BR @ SUMMERSVILLE WV LAT 38 18 39 LONG 080 50 09										
MAY , 1979										
11...	1120	81	135	6.9	20.0	72	59	.0	.0	15
SEP										
10...	1530	71	215	6.8	16.0	82	67	.0	.0	18
375449080402639 - R16.0MEADOW R @ HWY 60/32 BR NR MEADOW BLUFF WV LAT 37 54 49 LONG 080 40 26										
MAY , 1979										
11...	1545	24	40	7.0	21.0	26	1	.0	.0	7.9
SEP										
11...	0830	15	80	6.2	10.5	28	7	.0	.0	8.4

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS SC4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

KANAWHA RIVER BASIN--Continued

381312080234339 - R07.0N FK CHERRY R @ HWY 39 BR LAT 38 13 12 LONG 080 23 43

MAY , 1979									
11...	.6	--	--	4	--	5.2	2.8	30	.04
SEP									
12...	.7	1.1	.2	4	6.2	6.6	1.3	26	.04

381347080312939 - R08.0N F CHERRY R @ HWY 38/17 BR IN RICHWOOD WV LAT 38 13 47 LONG 080 31 29

MAY , 1979									
11...	.6	--	--	3	--	4.7	2.7	29	.04
SEP									
12...	.8	1.5	.2	4	59	4.9	1.6	25	.03

381318080315939 - R09.0CHERRY R @ HWY 39/18 BR IN RICHWOOD WV LAT 38 13 18 LONG 080 31 59

MAY , 1979									
11...	.8	--	--	3	--	4.7	2.2	30	.04
SEP									
12...	1.0	1.2	.2	6	15	6.5	1.2	24	.03

381315080352739 - R10.0LAUREL CR @ HWY 39/26 BR @ FENWICK WV LAT 38 13 15 LONG 080 35 27

MAY , 1979									
11...	2.7	--	--	4	--	22	1.6	59	.08
SEP									
12...	3.4	1.9	.2	6	11	25	.9	53	.07

381730080383039 - R11.0GAULEY R NR CRAIGSVILLE WV LAT 38 17 30 LONG 080 38 30

MAY , 1979									
11...	1.0	--	--	4	--	7.5	1.5	28	.04
SEP									
12...	1.0	1.0	.1	7	4.3	6.6	1.0	30	.04

381942080395639 - R12.0BIG BEAVER CR @ HWY 5 BR @ CRAIGSVILLE WV LAT 38 19 42 LONG 080 39 56

MAY , 1979									
11...	4.8	--	--	2	--	38	2.2	86	.12
SEP									
12...	6.8	1.7	.1	7	15	45	1.5	105	.14

382308080482939 - R13.0BRUSHY FK @ HWY 19 BR @ HOOKERVILLE WV LAT 38 23 08 LONG 080 48 29

MAY , 1979									
11...	2.9	--	--	13	--	21	4.1	66	.09
SEP									
10...	2.8	2.5	.2	5	9.8	19	3.9	54	.07

381839080500939 - R14.0MUDDLETY CR @ HWY 41 BR @ SUMMERSVILLE WV LAT 38 18 39 LONG 080 50 09

MAY , 1979									
11...	8.4	--	--	13	--	59	3.4	142	.19
SEP									
10...	9.1	3.3	.2	19	4.6	58	2.9	130	.18

375449080402639 - R16.0MEADOW R @ HWY 60/32 BR NR MEADOW BLUFF WV LAT 37 54 49 LONG 080 40 26

MAY , 1979									
11...	1.6	--	--	25	--	4.2	2.0	47	.06
SEP									
11...	1.7	1.7	.1	21	26	5.5	1.6	55	.07

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	---	--

KANAWHA RIVER BASIN--Continued

381312080234339 - R07.0N FK CHERRY R @ HWY 39 BR LAT 38 13 12 LONG 080 23 43

MAY , 1979									
11...	2.27	--	--	--	--	--	210	150	60
SEP									
12...	1.05	0	<10	<10	<10	<10	220	--	50

381347080312939 - R08.0N F CHERRY R @ HWY 38/17 BR IN RICHWOOD WV LAT 38 13 47 LONG 080 31 29

MAY , 1979									
11...	10.2	--	--	--	--	--	250	220	30
SEP									
12...	2.09	0	<10	<10	10	20	130	--	40

381318080315939 - R09.0CHERRY R @ HWY 39/18 BR IN RICHWOOD WV LAT 38 13 18 LONG 080 31 59

MAY , 1979									
11...	19.4	--	--	--	--	--	1200	1200	40
SEP									
12...	5.64	0	<10	<10	<10	<10	170	--	70

381315080352739 - R10.0LAUREL CR @ HWY 39/26 BR @ FENWICK WV LAT 38 13 15 LONG 080 35 27

MAY , 1979									
11...	15.1	--	--	--	--	--	1800	1500	260
SEP									
12...	5.87	0	<10	<10	20	<10	790	--	170

381730080383039 - R11.0GAULEY R NR CRAIGSVILLE WV LAT 38 17 30 LONG 080 38 30

MAY , 1979									
11...	85.4	--	--	--	--	--	570	550	20
SEP									
12...	47.6	0	<10	<10	<10	<10	200	--	60

381942080395639 - R12.0BIG BEAVER CR @ HWY 5 BR @ CRAIGSVILLE WV LAT 38 19 42 LONG 080 39 56

MAY , 1979									
11...	11.6	--	--	--	--	--	580	520	60
SEP									
12...	8.51	0	<10	<10	20	<10	430	--	130

382308080482939 - R13.0BRUSHY FK @ HWY 19 BR @ HOOKERVILLE WV LAT 38 23 08 LONG 080 48 29

MAY , 1979									
11...	1.78	--	--	--	--	--	590	470	120
SEP									
10...	1.46	0	<10	<10	<10	<10	1000	--	150

381839080500939 - R14.0MUDDLETY CR @ HWY 41 BR @ SUMMERSVILLE WV LAT 38 18 39 LONG 080 50 09

MAY , 1979									
11...	31.1	--	--	--	--	--	600	540	60
SEP									
10...	24.9	0	<10	<10	20	20	620	--	50

375449080402639 - R16.0MEADOW R @ HWY 60/32 BR NR MEADOW BLUFF WV LAT 37 54 49 LONG 080 40 26

MAY , 1979									
11...	3.05	--	--	--	--	--	1700	950	750
SEP									
11...	2.23	0	<10	10	<10	<10	3300	--	500

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	---	--	---	--

KANAWHA RIVER BASIN--Continued

381312080234339 - R07.0N FK CHERRY R @ HWY 39 BR LAT 38 13 12 LONG 080 23 43

MAY , 1979									
11...	--	--	50	10	40	--	--	--	--
SEP									
12...	<10	3000	40	0	40	140	.00	0	30

381347080312939 - R08.0N F CHERRY R @ HWY 38/17 BR IN RICHWOOD WV LAT 38 13 47 LONG 080 31 29

MAY , 1979									
11...	--	--	20	0	20	--	--	--	--
SEP									
12...	50	13000	20	10	10	470	.00	0	70

381318080315939 - R09.0CHERRY R @ HWY 39/18 BR IN RICHWOOD WV LAT 38 13 18 LONG 080 31 59

MAY , 1979									
11...	--	--	40	30	10	--	--	--	--
SEP									
12...	<10	8400	20	0	20	360	.00	0	40

381315080352739 - R10.0LAUREL CR @ HWY 39/26 BR @ FENWICK WV LAT 38 13 15 LONG 080 35 27

MAY , 1979									
11...	--	--	220	40	180	--	--	--	--
SEP									
12...	<10	7400	230	0	230	490	.00	0	40

381730080383039 - R11.0GAULEY R NR CRAIGSVILLE WV LAT 38 17 30 LONG 080 38 30

MAY , 1979									
11...	--	--	40	0	40	--	--	--	--
SEP									
12...	<10	5300	20	0	20	200	.00	0	30

381942080395639 - R12.0BIG BEAVER CR @ HWY 5 BR @ CRAIGSVILLE WV LAT 38 19 42 LONG 080 39 56

MAY , 1979									
11...	--	--	720	40	680	--	--	--	--
SEP									
12...	<10	9600	840	0	860	850	.00	0	50

382308080482939 - R13.0BRUSHY FK @ HWY 19 BR @ HOOKERVILLE WV LAT 38 23 08 LONG 080 48 29

MAY , 1979									
11...	--	--	350	20	330	--	--	--	--
SEP									
10...	<10	2400	320	0	320	30	.00	0	10

381839080500939 - R14.0MUDDLETY CR @ HWY 41 BR @ SUMMERSVILLE WV LAT 38 18 39 LONG 080 50 09

MAY , 1979									
11...	--	--	300	20	280	--	--	--	--
SEP									
10...	20	15000	350	0	350	1000	.00	0	90

375449080402639 - R16.0MEADOW R @ HWY 60/32 BR NR MEADOW BLUFF WV LAT 37 54 49 LONG 080 40 26

MAY , 1979									
11...	--	--	240	40	200	--	--	--	--
SEP									
11...	20	1600	130	10	120	410	.00	0	40

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
------	------	---	--	---------------	-----------------------------	--	--	--	----------------------------------	--

KANAWHA RIVER BASIN--Continued

375826080383239 - R17.0L CLEAR CR @ HWY 8 BR NR CRAWLEY WV LAT 37 58 26 LONG 080 38 32

MAY , 1979

11... 1420 148 16 7.4 14.0 15 13 .0 .0 3.5

SEP

11... 0955 18 65 6.5 13.5 24 13 .0 .0 5.6

375911080400539 - R18.0BIG CLEAR CR @ HWY 1/2 BR @ KESSLER WV LAT 37 59 11 LONG 080 40 05

MAY , 1979

11... 1250 282 30 7.1 14.0 18 13 .0 .0 4.6

SEP

11... 1100 60 80 6.6 13.0 28 19 .0 .0 6.5

375909080450039 - R19.0MEADOW R @ HWY 60 BR @ MCROSS WV LAT 37 59 09 LONG 080 45 00

MAY , 1979

11... 1130 784 40 7.3 18.5 26 14 .0 .0 7.1

SEP

11... 1400 130 80 6.4 16.0 28 12 .0 .0 7.3

375826080455339 - R20.0SEWELL CR @ HWY 60/1 BR @ EAST RAINELLE WV LAT 37 58 26 LONG 080 45 53

MAY , 1979

11... 1020 68 62 7.7 18.0 27 14 .0 .0 7.2

SEP

11... 1245 30 90 6.6 17.0 30 9 .0 .0 7.7

380818080530839 - R21.0ANGLINS CR @ HWY 41 BR NR POOL WV LAT 38 08 18 LONG 080 53 08

MAY , 1979

25... 1530 127 25 6.8 11.5 10 0 .0 .0 2.2

SEP

10... 1410 39 40 6.3 15.0 11 5 .0 .0 2.5

381540081012039 - R22.0PETERS CR NR LOCKWOOD WV LAT 38 15 40 LONG 081 01 20

MAY , 1979

24... 1200 77 205 7.5 15.5 67 29 .0 .0 15

SEP

10... 1210 32 180 7.4 17.0 62 34 .0 .0 14

381400081104539 - R23.0GAULEY R ABV BELVA WV LAT 38 14 00 LONG 081 10 45

MAY , 1979

24... 1115 1940 62 7.5 15.0 24 6 .0 .0 5.5

SEP

10... 1100 1800 70 6.8 19.0 22 12 .0 .0 5.6

381457081113439 - R25.0BELLS CR @ HWY 16 BR @ DIXIE WV LAT 38 14 57 LONG 081 11 34

MAY , 1979

24... 1045 34 138 7.4 15.5 63 39 .0 .0 12

SEP

10... 0940 11 190 6.9 15.0 71 43 .0 .0 14

381413081110939 - R26.0TWENTYMILE CR @ HWY 16/3 BR @ BELVA WV LAT 38 14 13 LONG 081 11 09

MAY , 1979

24... 1000 79 115 7.0 15.5 21 5 .0 .0 7.9

SEP

10... 0825 48 100 6.7 15.0 35 19 .0 .0 7.0

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

KANAWHA RIVER BASIN--Continued

375826080383239 - R17.0L CLEAR CR @ HWY 8 BR NR CRAWLEY WV LAT 37 58 26 LONG 080 38 32

MAY , 1979									
11...	1.5	--	--	2	--	8.8	.5	36	.05
SEP									
11...	2.5	1.1	.1	11	6.8	13	.6	46	.06

375911080400539 - R18.0BIG CLEAR CR @ HWY 1/2 BR @ KESSLER WV LAT 37 59 11 LONG 080 40 05

MAY , 1979									
11...	1.7	--	--	5	--	14	.7	44	.06
SEP									
11...	2.8	1.3	.1	9	4.4	17	.9	50	.07

375909080450039 - R19.0MEADOW R @ HWY 60 BR @ MCROSS WV LAT 37 59 09 LONG 080 45 00

MAY , 1979									
11...	2.0	--	--	12	--	16	1.6	52	.07
SEP									
11...	2.4	2.4	.2	16	12	12	2.0	54	.07

375826080455339 - R20.0SEWELL CR @ HWY 60/1 BR @ EAST RAINELLE WV LAT 37 58 26 LONG 080 45 53

MAY , 1979									
11...	2.2	--	--	13	--	11	2.5	58	.08
SEP									
11...	2.5	3.1	.2	19	10	12	2.8	56	.08

380818080530839 - R21.0ANGLINS CR @ HWY 41 BR NR POOL WV LAT 38 08 18 LONG 080 53 08

MAY , 1979									
25...	1.1	--	--	11	--	5.4	.8	19	.03
SEP									
10...	1.1	1.1	.1	4	5.9	6.5	1.3	28	.04

381540081012039 - R22.0PETERS CR NR LOCKWOOD WV LAT 38 15 40 LONG 081 01 20

MAY , 1979									
24...	7.1	--	--	38	--	60	5.8	136	.19
SEP									
10...	6.6	12	.7	35	2.2	45	4.6	126	.17

381400081104539 - R23.0GAULEY R ABV BELVA WV LAT 38 14 00 LONG 081 10 45

MAY , 1979									
24...	2.4	--	--	18	--	16	2.2	44	.06
SEP									
10...	2.0	2.5	.2	10	3.1	13	2.3	48	.07

381457081113439 - R25.0BELLS CR @ HWY 16 BR @ DIXIE WV LAT 38 14 57 LONG 081 11 34

MAY , 1979									
24...	8.0	--	--	24	--	46	4.0	98	.13
SEP									
10...	8.8	5.2	.3	28	6.9	44	4.4	107	.15

381413081110939 - R26.0TWENTYMILE CR @ HWY 16/3 BR @ BELVA WV LAT 38 14 13 LONG 081 11 09

MAY , 1979									
24...	.2	--	--	16	--	34	3.6	68	.09
SEP									
10...	4.3	3.3	.2	16	6.2	22	2.6	62	.08

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CG)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	---	--	--	---	---	--

KANAWHA RIVER BASIN--Continued

375826080383239 - R17.0L CLEAR CR @ HWY 8 BR NR CRAWLEY WV LAT 37 58 26 LONG 080 38 32

MAY , 1979									
11...	14.4	--	--	--	--	--	1500	1400	70
SEP									
11...	2.24	0	<10	<10	<10	<10	320	--	70

375911080400539 - R18.0BIG CLEAR CR @ HWY 1/2 BR @ KESSLER WV LAT 37 59 11 LONG 080 40 05

MAY , 1979									
11...	33.5	--	--	--	--	--	1700	1700	40
SEP									
11...	8.10	0	<10	<10	<10	<10	1600	--	60

375909080450039 - R19.0MEADOW R @ HWY 60 BR @ MCROSS WV LAT 37 59 09 LONG 080 45 00

MAY , 1979									
11...	110	--	--	--	--	--	18000	18000	240
SEP									
11...	19.0	0	<10	<10	<10	<10	800	--	280

375826080455339 - R20.0SEWELL CR @ HWY 60/1 BR @ EAST RAINELLE WV LAT 37 58 26 LONG 080 45 53

MAY , 1979									
11...	10.6	--	--	--	--	--	1600	1400	180
SEP									
11...	4.54	0	<10	<10	<10	<10	3000	--	190

380818080530839 - R21.0ANGLINS CR @ HWY 41 BR NR POOL WV LAT 38 08 18 LONG 080 53 08

MAY , 1979									
25...	6.52	--	--	--	--	--	900	820	80
SEP									
10...	2.95	0	<10	<10	<10	<10	1200	--	80

381540081012039 - R22.0PETERS CR NR LOCKWOOD WV LAT 38 15 40 LONG 081 01 20

MAY , 1979									
24...	28.3	--	--	--	--	--	5100	5100	50
SEP									
10...	10.9	0	<10	<10	<10	<10	460	--	70

381400081104539 - R23.0GAULEY R ABV BELVA WV LAT 38 14 00 LONG 081 10 45

MAY , 1979									
24...	230	--	--	--	--	--	520	470	50
SEP									
10...	233	0	<10	<10	<10	10	1500	--	70

381457081113439 - R25.0BELLS CR @ HWY 16 BR @ DIXIE WV LAT 38 14 57 LONG 081 11 34

MAY , 1979									
24...	9.00	--	--	--	--	--	1600	1600	30
SEP									
10...	3.18	0	<10	<10	<10	<10	300	--	30

381413081110939 - R26.0TWENTYMILE CR @ HWY 16/3 BR @ BELVA WV LAT 38 14 13 LONG 081 11 09

MAY , 1979									
24...	14.5	--	--	--	--	--	1100	1000	60
SEP									
10...	8.04	0	<10	<10	<10	<10	220	--	30

OHIO RIVER BASIN

117

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	--	--	---	--

KANAWHA RIVER BASIN--Continued

375826080383239 - R17.0L CLEAR CR @ HWY 8 BR NR CRAWLEY WV LAT 37 58 26 LONG 080 38 32

MAY , 1979									
11...	--	--	80	40	40	--	--	--	--
SEP									
11...	<10	9000	40	10	30	230	.00	0	30

375911080400539 - R18.0BIG CLEAR CR @ HWY 1/2 BR @ KESSLER WV LAT 37 59 11 LONG 080 40 05

MAY , 1979									
11...	--	--	160	50	110	--	--	--	--
SEP									
11...	<10	7200	80	20	60	650	.00	0	30

375909080450039 - R19.0MEADOW R @ HWY 60 BR @ MCROSS WV LAT 37 59 09 LONG 080 45 00

MAY , 1979									
11...	--	--	510	430	80	--	--	--	--
SEP									
11...	<10	3800	80	10	70	180	.00	0	20

375826080455339 - R20.0SEWELL CR @ HWY 60/1 BR @ EAST RAINELLE WV LAT 37 58 26 LONG 080 45 53

MAY , 1979									
11...	--	--	70	20	50	--	--	--	--
SEP									
11...	<10	2100	90	20	70	110	.00	0	10

380818080530839 - R21.0ANGLINS CR @ HWY 41 BR NR POOL WV LAT 38 08 18 LONG 080 53 08

MAY , 1979									
25...	--	--	30	20	10	--	--	--	--
SEP									
10...	<10	2100	30	20	10	190	.00	0	10

381540081012039 - R22.0PETERS CR NR LOCKWOOD WV LAT 38 15 40 LONG 081 01 20

MAY , 1979									
24...	--	--	620	310	310	--	--	--	--
SEP									
10...	10	9600	200	30	170	750	.00	0	30

381400081104539 - R23.0GAULEY R ABV BELVA WV LAT 38 14 00 LONG 081 10 45

MAY , 1979									
24...	--	--	40	30	10	--	--	--	--
SEP									
10...	20	13000	60	40	20	760	.00	0	50

381457081113439 - R25.0BELLS CR @ HWY 16 BR @ DIXIE WV LAT 38 14 57 LONG 081 11 34

MAY , 1979									
24...	--	--	100	30	70	--	--	--	--
SEP									
10...	<10	3700	30	0	30	70	.00	0	10

381413081110939 - R26.0TWENTYMILE CR @ HWY 16/3 BR @ BELVA WV LAT 38 14 13 LONG 081 11 09

MAY , 1979									
24...	--	--	60	30	30	--	--	--	--
SEP									
10...	<10	7900	30	10	20	250	.00	0	30

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
------	------	---	--	---------------	-----------------------------	--	--	--	----------------------------------	--

KANAWHA RIVER BASIN--Continued

380607081145339 - S01.0LOOP CR @ HWY 61 BR @ ROBSON WV LAT 38 06 07 LONG 081 14 53

MAY , 1979

12... 1230 38 440 8.3 20.0 210 170 .0 .0 40

SEP

14... 1420 34 700 8.3 19.5 200 130 .0 .0 37

380840081173439 - S02.0ARMSTRONG CR @ HWY 61 BR @ MT CARBON WV LAT 38 08 40 LONG 081 17 34

MAY , 1979

12... 1145 20 340 7.0 18.0 160 150 .0 .0 30

SEP

14... 1540 20 500 7.5 19.5 160 140 .0 .0 32

375339081154839 - S03.0PAINT CR @ HWY 23 BR @ WILLIS BRANCH WV LAT 37 53 39 LONG 081 15 48

MAY , 1979

12... 0900 34 190 7.4 16.0 46 9 .0 .0 11

SEP

12... 1730 6.7 365 7.9 19.0 64 0 .0 .0 16

375415081142839 - S04.0PACKS BR @ HWY 27 BR @ PACKS BRANCH WV LAT 37 54 15 LONG 081 14 28

MAY , 1979

12... 0945 2.8 240 7.9 17.0 74 9 .0 .0 15

SEP

12... 1645 2.2 550 7.8 17.0 81 0 .0 .0 18

380107081211139 - S05.0PAINT CR @ RR BR @ MAHAN WV LAT 38 01 07 LONG 081 21 11

MAY , 1979

12... 0715 82 300 7.2 18.0 110 82 .0 .0 24

SEP

13... 1445 36 450 5.4 21.0 150 150 .0 .0 31

381313081253739 - S06.0KELLYS CR @ HWY 81/12 BR @ CEDAR GROVE WV LAT 38 13 13 LONG 081 25 37

MAY , 1979

11... 0740 40 250 7.4 15.5 140 120 .0 .0 28

SEP

13... 0915 5.9 475 6.5 18.0 170 130 .0 .0 35

380012081252839 - S07.0FIFTEENMILE FK @ HWY 76/1 BR NR DECOTA WV LAT 38 00 12 LONG 081 25 28

MAY , 1979

11... 1530 5.9 >500 4.5 22.0 400 400 1.8 89 75

SEP

13... 1200 3.4 1000 4.5 18.0 440 440 .0 .0 81

380101081251039 - S08.0CABIN CR @ RR BR @ DECOTA WV LAT 38 01 01 LONG 081 25 10

MAY , 1979

11... 1450 5.1 >500 7.4 21.0 370 330 .0 .0 78

SEP

13... 1245 5.6 1250 7.3 18.0 440 380 .0 .0 93

381056081280839 - S09.0CABIN CR @ HWY 79 BR @ DRY BRANCH WV LAT 38 10 56 LONG 081 28 08

MAY , 1979

11... 1330 92 500 5.6 21.0 240 230 .0 .0 45

SEP

13... 1030 52 925 6.6 19.0 320 310 .0 .0 61

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

KANAWHA RIVER BASIN--Continued

380607081145339 - S01.0LOOP CR @ HWY 61 BR @ ROBSON WV LAT 38 06 07 LONG 081 14 53

MAY , 1979									
12...	27	--	--	45	--	210	4.2	351	.48
SEP									
14...	25	39	1.2	64	.6	200	5.9	365	.50

380840081173439 - S02.0ARMSTRONG CR @ HWY 61 BR @ MT CARBON WV LAT 38 08 40 LONG 081 17 34

MAY , 1979									
12...	21	--	--	14	--	170	2.8	284	.39
SEP									
14...	20	13	.4	21	1.3	160	3.5	269	.37

375339081154839 - S03.0PAINT CR @ HWY 23 BR @ WILLIS BRANCH WV LAT 37 53 39 LONG 081 15 48

MAY , 1979									
12...	4.4	--	--	37	--	48	8.3	137	.19
SEP									
12...	5.8	44	2.4	84	2.1	50	15	197	.27

375415081142839 - S04.0PACKS BR @ HWY 27 BR @ PACKS BRANCH WV LAT 37 54 15 LONG 081 14 28

MAY , 1979									
12...	8.8	--	--	65	--	78	3.0	194	.26
SEP									
12...	8.7	69	3.3	120	3.7	110	4.4	302	.41

380107081211139 - S05.0PAINT CR @ RR BR @ MAHAN WV LAT 38 01 07 LONG 081 21 11

MAY , 1979									
12...	13	--	--	31	--	120	8.7	230	.31
SEP									
13...	18	16	.6	3	7.8	160	9.4	268	.36

381313081253739 - S06.0KELLYS CR @ HWY 81/12 BR @ CEDAR GROVE WV LAT 38 13 13 LONG 081 25 37

MAY , 1979									
11...	16	--	--	15	--	130	6.2	244	.33
SEP									
13...	19	27	.9	37	20	160	11	299	.41

380012081252839 - S07.0FIFTEENMILE FK @ HWY 76/1 BR NR DECOTA WV LAT 38 00 12 LONG 081 25 28

MAY , 1979									
11...	51	--	--	0	--	470	1.8	734	1.00
SEP									
13...	57	19	.4	0	.0	420	.7	--	--

380101081251039 - S08.0CABIN CR @ RR BR @ DECOTA WV LAT 38 01 01 LONG 081 25 10

MAY , 1979									
11...	43	--	--	46	--	440	3.7	739	1.01
SEP									
13...	50	69	1.4	72	6.2	460	3.6	855	1.16

381056081280839 - S09.0CABIN CR @ HWY 79 BR @ DRY BRANCH WV LAT 38 10 56 LONG 081 28 08

MAY , 1979									
11...	30	--	--	2	--	290	5.5	442	.60
SEP									
13...	40	35	.9	7	3.4	350	6.0	567	.77

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	---	--

KANAWHA RIVER BASIN--Continued

380607081145339 - S01.0LOOP CR @ HWY 61 BR @ ROBSON WV LAT 38 06 07 LONG 081 14 53

MAY , 1979									
12...	36.0	--	--	--	--	--	150	130	20
SEP									
14...	33.5	0	<10	10	20	10	460	--	40

380840081173439 - S02.0ARMSTRONG CR @ HWY 61 BR @ MT CARBON WV LAT 38 08 40 LONG 081 17 34

MAY , 1979									
12...	15.3	--	--	--	--	--	240	240	0
SEP									
14...	14.5	0	<10	30	20	20	3700	--	10

375339081154839 - S03.0PAINT CR @ HWY 23 BR @ WILLIS BRANCH WV LAT 37 53 39 LONG 081 15 48

MAY , 1979									
12...	12.6	--	--	--	--	--	870	800	70
SEP									
12...	3.56	0	<10	<10	10	<10	740	--	160

375415081142839 - S04.0PACKS BR @ HWY 27 BR @ PACKS BRANCH WV LAT 37 54 15 LONG 081 14 28

MAY , 1979									
12...	1.47	--	--	--	--	--	380	320	60
SEP									
12...	1.79	0	<10	<10	10	<10	550	--	70

380107081211139 - S05.0PAINT CR @ RR BR @ MAHAN WV LAT 38 01 07 LONG 081 21 11

MAY , 1979									
12...	50.9	--	--	--	--	--	1000	960	40
SEP									
13...	26.1	0	<10	<10	<10	10	260000	--	400

381313081253739 - S06.0KELLYS CR @ HWY 81/12 BR @ CEDAR GROVE WV LAT 38 13 13 LONG 081 25 37

MAY , 1979									
11...	26.4	--	--	--	--	--	300	230	70
SEP									
13...	4.76	0	<10	<10	10	<10	190	--	20

380012081252839 - S07.0FIFTEENMILE FK @ HWY 76/1 BR NR DECOTA WV LAT 38 00 12 LONG 081 25 28

MAY , 1979									
11...	11.7	--	--	--	--	--	870	550	320
SEP									
13...	--	0	<10	<10	<10	20	850	--	230

380101081251039 - S08.0CABIN CR @ RR BR @ DECOTA WV LAT 38 01 01 LONG 081 25 10

MAY , 1979									
11...	10.2	--	--	--	--	--	1200	1200	10
SEP									
13...	12.9	0	<10	<10	<10	10	2200	--	10

381056081280839 - S09.0CABIN CR @ HWY 79 BR @ DRY BRANCH WV LAT 38 10 56 LONG 081 28 08

MAY , 1979									
11...	110	--	--	--	--	--	1700	1300	390
SEP									
13...	79.6	0	<10	<10	10	<10	2100	--	10

OHIO RIVER BASIN

121

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	---	--	---	--

KANAWHA RIVER BASIN--Continued

380607081145339 - S01.0LOOP CR @ HWY 61 BR @ ROBSON WV LAT 38 06 07 LONG 081 14 53

MAY , 1979									
12...	--	--	100	10	90	--	--	--	--
SEP									
14...	20	19000	70	20	50	730	.00	0	70

380840081173439 - S02.0ARMSTRONG CR @ HWY 61 BR @ MT CARBON WV LAT 38 08 40 LONG 081 17 34

MAY , 1979									
12...	--	--	330	20	310	--	--	--	--
SEP									
14...	20	12000	570	310	260	420	.00	0	60

375339081154839 - S03.0PAINT CR @ HWY 23 BR @ WILLIS BRANCH WV LAT 37 53 39 LONG 081 15 48

MAY , 1979									
12...	--	--	100	20	80	--	--	--	--
SEP									
12...	10	5500	180	50	130	240	.00	0	20

375415081142839 - S04.0PACKS BR @ HWY 27 BR @ PACKS BRANCH WV LAT 37 54 15 LONG 081 14 28

MAY , 1979									
12...	--	--	60	10	50	--	--	--	--
SEP									
12...	10	10000	80	20	60	560	.00	0	40

380107081211139 - S05.0PAINT CR @ RR BR @ MAHAN WV LAT 38 01 07 LONG 081 21 11

MAY , 1979									
12...	--	--	200	10	190	--	--	--	--
SEP									
13...	20	15000	1800	870	930	300	.00	0	50

381313081253739 - S06.0KELLYS CR @ HWY 81/12 BR @ CEDAR GROVE WV LAT 38 13 13 LONG 081 25 37

MAY , 1979									
11...	--	--	280	10	270	--	--	--	--
SEP									
13...	10	3600	360	20	340	130	.00	0	20

380012081252839 - S07.0FIFTEENMILE FK @ HWY 76/1 BR NR DECOTA WV LAT 38 00 12 LONG 081 25 28

MAY , 1979									
11...	--	--	1600	0	1600	--	--	--	--
SEP									
13...	<10	14000	1900	0	2200	640	.00	0	50

380101081251039 - S08.0CABIN CR @ RR BR @ DECOTA WV LAT 38 01 01 LONG 081 25 10

MAY , 1979									
11...	--	--	690	40	650	--	--	--	--
SEP									
13...	30	6500	930	0	940	210	.00	0	40

381056081280839 - S09.0CABIN CR @ HWY 79 BR @ DRY BRANCH WV LAT 38 10 56 LONG 081 28 08

MAY , 1979									
11...	--	--	1100	0	1100	--	--	--	--
SEP									
13...	10	6500	1700	0	1900	150	.00	0	30

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
KANAWHA RIVER BASIN--Continued										
381854081320439 - S10.0CAMPBELLS CR @ HWY 73 BR D/S OF COAL FK WV LAT 38 18 54 LONG 081 32 04										
MAY , 1979										
11...	0630	37	180	7.1	18.0	58	23	.0	.0	12
SEP										
13...	0745	3.8	650	7.5	18.5	110	0	.0	.0	27
382322080074239 - T01.00LD FLD FK @ HWY 219/1 BR NR SLATYFORK WV LAT 38 23 22 LONG 080 07 42										
APR , 1979										
21...	0920	11	55	6.9	8.5	20	7	.0	.0	6.1
SEP										
13...	1345	1.3	65	6.8	15.5	26	8	.0	.0	8.4
382458080070939 - T02.0BIG SPRING FK @ HWY 219 @ SLATYFORK WV LAT 38 24 58 LONG 080 07 09										
APR , 1979										
21...	1030	.06	120	7.9	9.0	54	5	.0	.0	19
SEP										
13...	1455	2.9	150	6.8	14.5	66	12	.0	.0	23
382902080175939 - T03.0LEATHERWOOD CR @ HWY 26/4 BR @ BERGOO WV LAT 38 29 02 LONG 080 17 59										
APR , 1979										
21...	1220	27	<50	6.2	13.0	10	3	.0	.0	2.3
SEP										
13...	1830	12	40	7.3	18.0	12	8	.0	.0	3.0
383412080182239 - T04.0L SUGAR CR @ HWY 18/3 NR SKELT WV LAT 38 34 12 LONG 080 18 22										
APR , 1979										
21...	1830	7.0	<50	6.3	14.5	7	4	.0	.0	1.3
SEP										
14...	1100	5.7	40	7.2	20.0	13	9	.0	.0	2.5
383410080182039 - T05.0SUGAR CR U/S FROM L SUGAR CR NR SKELT WV LAT 38 34 10 LONG 080 18 20										
APR , 1979										
21...	1855	16	<50	6.2	13.5	7	1	.0	.0	1.4
SEP										
14...	1200	11	20	7.2	19.5	9	2	.0	.0	2.0
383550080292039 - T06.0ELK R BELOW WEBSTER SPRINGS WV LAT 38 35 50 LONG 080 29 20										
APR , 1979										
21...	1430	341	55	7.6	14.5	24	9	.0	.0	7.1
SEP										
14...	0900	196	90	7.1	20.5	33	8	.0	.0	10
383108080351939 - T07.0LAUREL CR @ HWY 9 BR AT ERBACON WV LAT 38 31 08 LONG 080 35 19										
APR , 1979										
22...	1500	24	<50	--	18.0	16	9	.0	.0	3.1
SEP										
13...	1030	16	90	7.5	18.0	29	16	.0	.0	6.6
383336080270639 - T08.0GRASSY CR @ HWY 20 BR @ DIANA WV LAT 38 33 36 LONG 080 27 06										
APR , 1979										
21...	1630	12	<50	6.9	15.5	11	5	.0	.0	2.1
SEP										
13...	1645	6.2	60	7.5	20.0	18	5	.0	.0	4.3

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

KANAWHA RIVER BASIN--Continued

381854081320439 - S10.0CAMPBELLS CR @ HWY 73 BR D/S OF COAL FK WV LAT 38 18 54 LONG 081 32 04

MAY , 1979									
11...	6.7	--	--	35	--	60	8.3	142	.19
SEP									
13...	11	90	3.7	130	8.0	130	31	390	.53

382322080074239 - T01.00LD FLD FK @ HWY 219/1 BR NR SLATYFORK WV LAT 38 23 22 LONG 080 07 42

APR , 1979									
21...	1.1	--	--	13	--	7.0	1.6	29	.04
SEP									
13...	1.3	1.4	.1	22	5.6	5.9	.6	40	.05

382458080070939 - T02.0BIG SPRING FK @ HWY 219 @ SLATYFORK WV LAT 38 24 58 LONG 080 07 09

APR , 1979									
21...	1.6	--	--	49	--	8.1	2.1	73	.10
SEP									
13...	2.0	1.9	.1	60	17	5.3	1.3	80	.11

382902080175939 - T03.0LEATHERWOOD CR @ HWY 26/4 BR @ BERGOO WV LAT 38 29 02 LONG 080 17 59

APR , 1979									
21...	1.0	--	--	7	--	7.2	.5	22	.03
SEP									
13...	1.1	.6	.1	4	.4	7.2	.5	26	.04

383412080182239 - T04.0L SUGAR CR @ HWY 18/3 NR SKELT WV LAT 38 34 12 LONG 080 18 22

APR , 1979									
21...	.8	--	--	3	--	4.2	.4	17	.02
SEP									
14...	1.7	.6	.1	2	.2	12	.0	32	.04

383410080182039 - T05.0SUGAR CR U/S FROM L SUGAR CR NR SKELT WV LAT 38 34 10 LONG 080 18 20

APR , 1979									
21...	.8	--	--	6	--	5.1	.4	19	.03
SEP									
14...	1.0	.4	.1	7	.9	5.8	.5	24	.03

383550080292039 - T06.0ELK R BELOW WEBSTER SPRINGS WV LAT 38 35 50 LONG 080 29 20

APR , 1979									
21...	1.5	--	--	15	--	8.6	1.9	40	.05
SEP									
14...	1.9	1.9	.1	25	3.9	9.5	1.6	48	.07

383108080351939 - T07.0LAUREL CR @ HWY 9 BR AT ERBACON WV LAT 38 31 08 LONG 080 35 19

APR , 1979									
22...	1.9	--	--	7	--	11	1.3	30	.04
SEP									
13...	3.1	1.6	.1	17	.8	14	1.6	49	.07

383336080270639 - T08.0GRASSY CR @ HWY 20 BR @ DIANA WV LAT 38 33 36 LONG 080 27 06

APR , 1979									
21...	1.3	--	--	6	--	7.2	2.3	26	.04
SEP									
13...	1.7	1.7	.2	13	.8	7.1	2.0	32	.04

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--

KANAWHA RIVER BASIN--Continued

381854081320439 - S10.0CAMPBELLS CR @ HWY 73 BR D/S OF COAL FK WV LAT 38 18 54 LONG 081 32 04

MAY , 1979								
11...	14.2	--	--	--	--	--	910	880 30
SEP								
13...	4.00	0	<10	<10	10	<10	1200	-- 100

382322080074239 - T01.00LD FLD FK @ HWY 219/1 BR NR SLATYFORK WV LAT 38 23 22 LONG 080 07 42

APR , 1979								
21...	.89	--	--	--	--	--	50	50 0
SEP								
13...	.14	0	<10	<10	20	<10	100	-- 10

382458080070939 - T02.0BIG SPRING FK @ HWY 219 @ SLATYFORK WV LAT 38 24 58 LONG 080 07 09

APR , 1979								
21...	.01	--	--	--	--	--	50	50 0
SEP								
13...	.63	0	<10	<10	<10	<10	110	-- 10

382902080175939 - T03.0LEATHERWOOD CR @ HWY 26/4 BR @ BERGOO WV LAT 38 29 02 LONG 080 17 59

APR , 1979								
21...	1.60	--	--	--	--	--	110	110 0
SEP								
13...	.84	0	<10	<10	10	10	70	-- 20

383412080182239 - T04.0L SUGAR CR @ HWY 18/3 NR SKELT WV LAT 38 34 12 LONG 080 18 22

APR , 1979								
21...	.32	--	--	--	--	--	120	120 0
SEP								
14...	.49	0	<10	<10	<10	<10	10000	-- 40

383410080182039 - T05.0SUGAR CR U/S FROM L SUGAR CR NR SKELT WV LAT 38 34 10 LONG 080 18 20

APR , 1979								
21...	.83	--	--	--	--	--	170	150 20
SEP								
14...	.73	0	<10	<10	<10	<10	4700	-- 250

383550080292039 - T06.0ELK R BELOW WEBSTER SPRINGS WV LAT 38 35 50 LONG 080 29 20

APR , 1979								
21...	36.8	--	--	--	--	--	120	120 0
SEP								
14...	25.4	0	<10	<10	<10	<10	130	-- 20

383108080351939 - T07.0LAUREL CR @ HWY 9 BR AT ERBACON WV LAT 38 31 08 LONG 080 35 19

APR , 1979								
22...	1.94	--	--	--	--	--	250	210 40
SEP								
13...	2.18	0	<10	<10	<10	<10	320	-- 110

383336080270639 - T08.0GRASSY CR @ HWY 20 BR @ DIANA WV LAT 38 33 36 LONG 080 27 06

APR , 1979								
21...	.84	--	--	--	--	--	240	240 0
SEP								
13...	.54	0	<10	<10	<10	<10	240	-- 60

OHIO RIVER BASIN

125

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	--	--	---	--

KANAWHA RIVER BASIN--Continued

381854081320439 - S10.0CAMPBELLS CR @ HWY 73 BR D/S OF COAL FK WV LAT 38 18 54 LONG 081 32 04

MAY , 1979									
11...	--	--	140	30	110	--	--	--	--
SEP									
13...	10	5000	220	40	180	240	.00	0	30

382322080074239 - T01.00LD FLD FK @ HWY 219/1 BR NR SLATYFORK WV LAT 38 23 22 LONG 080 07 42

APR , 1979									
21...	--	--	0	0	0	--	--	--	--
SEP									
13...	50	4800	10	8	2	700	.00	0	20

382458080070939 - T02.0RIG SPRING FK @ HWY 219 @ SLATYFORK WV LAT 38 24 58 LONG 080 07 09

APR , 1979									
21...	--	--	0	0	0	--	--	--	--
SEP									
13...	20	12000	10	7	3	710	.00	0	40

382902080175939 - T03.0LEATHERWOOD CR @ HWY 26/4 BR @ BERGOO WV LAT 38 29 02 LONG 080 17 59

APR , 1979									
21...	--	--	10	10	0	--	--	--	--
SEP									
13...	10	12000	10	0	10	880	.00	0	60

383412080182239 - T04.0L SUGAR CR @ HWY 18/3 NR SKELT WV LAT 38 34 12 LONG 080 18 22

APR , 1979									
21...	--	--	0	0	0	--	--	--	--
SEP									
14...	10	16000	240	240	2	420	.00	0	40

383410080182039 - T05.0SUGAR CR U/S FROM L SUGAR CR NR SKELT WV LAT 38 34 10 LONG 080 18 20

APR , 1979									
21...	--	--	20	20	0	--	--	--	--
SEP									
14...	<10	10000	110	80	30	4	.00	0	40

383550080292039 - T06.0ELK R BELOW WEBSTER SPRINGS WV LAT 38 35 50 LONG 080 29 20

APR , 1979									
21...	--	--	10	10	0	--	--	--	--
SEP									
14...	10	7700	20	10	9	190	.00	0	30

383108080351939 - T07.0LAUREL CR @ HWY 9 BR AT ERBACON WV LAT 38 31 08 LONG 080 35 19

APR , 1979									
22...	--	--	20	0	20	--	--	--	--
SEP									
13...	20	3700	60	0	60	130	.00	0	14

383336080270639 - T08.0GRASSY CR @ HWY 20 BR @ DIANA WV LAT 38 33 36 LONG 080 27 06

APR , 1979									
21...	--	--	10	10	0	--	--	--	--
SEP									
13...	10	7800	30	10	20	400	.00	0	30

OHIO RIVER BASIN

DATE	TIME	STREAM- FLOW+ INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
KANAWHA RIVER BASIN--Continued										
383808080275839 - T09.0R FK HOLLY R @ GUARDIAN WV LAT 38 38 08 LONG 080 27 58										
APR , 1979										
21...	1715	37	<50	6.7	16.5	12	5	.0	.0	2.3
SEP										
13...	1615	29	60	7.3	21.0	18	6	.0	.0	4.2
383804080192239 - T10.0L FK HOLLY R D/S FALL RUN NR HACKER VLY WV LAT 38 38 04 LONG 080 19 22										
APR , 1979										
22...	1045	10	<50	6.3	13.0	7	1	.0	.0	1.4
383912080225339 - T11.0LAUREL FK @ HWY 3 @ HACKER VLY WV LAT 38 39 12 LONG 080 22 53										
APR , 1979										
22...	0905	12	<50	5.7	10.5	5	2	.0	.0	1.1
SEP										
13...	1415	6.8	30	6.7	18.0	7	5	.0	.0	1.8
384119080260139 - T12.0L FK HOLLY R NR REPLETE WV LAT 38 41 19 LONG 080 26 01										
APR , 1979										
22...	0755	44	<50	6.4	13.0	9	5	.0	.0	1.7
SEP										
13...	1330	23	50	7.0	19.0	12	5	.0	.0	2.9
382811080383339 - T13.0BIRCH R @ HWY 44 BR @ BOGGS WV LAT 38 28 11 LONG 080 38 33										
APR , 1979										
22...	1325	13	50	4.0	19.5	17	10	.0	.0	3.3
SEP										
13...	0900	9.0	80	7.0	17.0	27	11	.0	.0	6.5
383444080440439 - T14.0L BIRCH R @ HWY 40/15 NR LITTLE BIRCH WV LAT 38 34 44 LONG 080 44 04										
APR , 1979										
22...	1640	17	<50	--	16.5	12	5	.0	.0	2.3
SEP										
13...	0730	6.9	75	7.6	18.0	18	8	.0	.0	4.2
383429080480439 - T15.0BIRCH R @ HEROLD WV LAT 38 34 29 LONG 080 48 04										
APR , 1979										
22...	1745	92	60	--	17.0	21	16	.0	.0	4.3
SEP										
12...	1815	72	95	7.6	21.5	32	16	.0	.0	8.0
383333080534039 - T16.0STRANGE CR @ HWY 40 NR STRANGE CREEK WV LAT 38 33 33 LONG 080 53 40										
APR , 1979										
22...	1410	21	80	6.5	16.5	28	20	.0	.0	6.6
SEP										
12...	1700	12	100	7.5	21.0	32	24	.0	.0	7.9
383323080574039 - T17.0GROVES CR @ R R BR @ GROVES WV LAT 38 33 23 LONG 080 57 40										
APR , 1979										
22...	1200	11	90	6.5	15.5	28	17	.0	.0	6.5
SEP										
12...	1445	3.4	150	7.5	20.0	39	23	.0	.0	9.6

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

KANAWHA RIVER BASIN--Continued

383808080275839 - T09.0R FK HOLLY R @ GUARDIAN WV LAT 38 38 08 LONG 080 27 58

APR , 1979									
21...	1.5	--	--	7	--	8.3	2.9	27	.04
SEP									
13...	1.9	2.0	.2	15	1.2	8.2	2.2	38	.05

383804080192239 - T10.0L FK HOLLY R D/S FALL RUN NR HACKER VLY WV LAT 38 38 04 LONG 080 19 22

APR , 1979									
22...	.9	--	--	6	--	4.5	.4	18	.02

383912080225339 - T11.0LAUREL FK @ HWY 3 @ HACKER VLY WV LAT 38 39 12 LONG 080 22 53

APR , 1979									
22...	.6	--	--	3	--	5.2	1.6	19	.03
SEP									
13...	.7	.9	.1	5	.8	4.1	1.0	20	.03

384119080260139 - T12.0L FK HOLLY R NR REPLETE WV LAT 38 41 19 LONG 080 26 01

APR , 1979									
22...	1.1	--	--	4	--	7.0	2.0	25	.03
SEP									
13...	1.2	1.6	.2	7	1.4	6.1	1.5	30	.04

382811080383339 - T13.0BIRCH R @ HWY 44 BR @ BOGGS WV LAT 38 28 11 LONG 080 38 33

APR , 1979									
22...	2.2	--	--	7	--	17	2.3	40	.05
SEP									
13...	2.6	2.4	.2	14	3.1	16	1.4	51	.07

383444080440439 - T14.0L BIRCH R @ HWY 40/15 NR LITTLE BIRCH WV LAT 38 34 44 LONG 080 44 04

APR , 1979									
22...	1.5	--	--	7	--	10	3.5	29	.04
SEP									
13...	1.8	2.7	.3	10	.5	7.9	4.3	43	.06

383429080480439 - T15.0BIRCH R @ HEROLD WV LAT 38 34 29 LONG 080 48 04

APR , 1979									
22...	2.6	--	--	5	--	18	3.7	42	.06
SEP									
12...	2.9	2.6	.2	16	.8	18	3.0	55	.07

383333080534039 - T16.0STRANGE CR @ HWY 40 NR STRANGE CREEK WV LAT 38 33 33 LONG 080 53 40

APR , 1979									
22...	2.8	--	--	8	--	27	2.4	55	.07
SEP									
12...	2.9	2.9	.2	10	.5	24	1.8	58	.08

383323080574039 - T17.0GROVES CR @ R R BR @ GROVES WV LAT 38 33 23 LONG 080 57 40

APR , 1979									
22...	2.9	--	--	11	--	31	2.6	54	.07
SEP									
12...	3.7	6.3	.4	13	1.0	36	5.3	83	.11

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	---	--

KANAWHA RIVER BASIN--Continued

383808080275839 - T09.0R FK HOLLY R @ GUARDIAN WV LAT 38 38 08 LONG 080 27 58

APR , 1979									
21...	2.70	--	--	--	--	--	270	260	10
SEP									
13...	2.98	0	<10	<10	<10	<10	360	--	70

383804080192239 - T10.0L FK HOLLY R D/S FALL RUN NR HACKER VLY WV LAT 38 38 04 LONG 080 19 22

APR , 1979									
22...	.49	--	--	--	--	--	250	250	0

383912080225339 - T11.0LAUREL FK @ HWY 3 @ HACKER VLY WV LAT 38 39 12 LONG 080 22 53

APR , 1979									
22...	.62	--	--	--	--	--	50	20	30
SEP									
13...	.37	0	<10	<10	<10	<10	910	--	60

384119080260139 - T12.0L FK HOLLY R NR REPLETE WV LAT 38 41 19 LONG 080 26 01

APR , 1979									
22...	2.97	--	--	--	--	--	50	40	10
SEP									
13...	1.87	0	<10	<10	<10	<10	200	--	50

382811080383339 - T13.0BIRCH R @ HWY 44 BR @ BOGGS WV LAT 38 28 11 LONG 080 38 33

APR , 1979									
22...	1.40	--	--	--	--	--	120	120	0
SEP									
13...	1.25	0	<10	<10	<10	<10	190	--	40

383444080440439 - T14.0L BIRCH R @ HWY 40/15 NR LITTLE BIRCH WV LAT 38 34 44 LONG 080 44 04

APR , 1979									
22...	1.33	--	--	--	--	--	170	150	20
SEP									
13...	.80	0	<10	<10	<10	<10	370	--	130

383429080480439 - T15.0BIRCH R @ HEROLD WV LAT 38 34 29 LONG 080 48 04

APR , 1979									
22...	10.5	--	--	--	--	--	140	130	10
SEP									
12...	10.7	0	<10	<10	<10	<10	270	--	80

383333080534039 - T16.0STRANGE CR @ HWY 40 NR STRANGE CREEK WV LAT 38 33 33 LONG 080 53 40

APR , 1979									
22...	3.12	--	--	--	--	--	370	370	0
SEP									
12...	1.96	0	<10	<10	<10	<10	380	--	40

383323080574039 - T17.0GROVES CR @ R R BR @ GROVES WV LAT 38 33 23 LONG 080 57 40

APR , 1979									
22...	1.60	--	--	--	--	--	180	70	110
SEP									
12...	.78	0	<10	<10	<10	<10	410	--	80

OHIO RIVER BASIN

129

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	--	---	--

KANAWHA RIVER BASIN--Continued

383808080275839 - T09.0R FK HOLLY R @ GUARDIAN WV LAT 38 38 08 LONG 080 27 58

APR , 1979								
21...	--	--	10	10	0	--	--	--
SEP								
13...	<10	8400	30	0	30	200	.00	0

383804080192239 - T10.0L FK HOLLY R D/S FALL RUN NR HACKER VLY WV LAT 38 38 04 LONG 080 19 22

APR , 1979								
22...	--	--	10	10	0	--	--	--

383912080225339 - T11.0LAUREL FK @ HWY 3 @ HACKER VLY WV LAT 38 39 12 LONG 080 22 53

APR , 1979								
22...	--	--	20	10	10	--	--	--
SEP								
13...	<10	4300	60	40	20	210	.00	0

384119080260139 - T12.0L FK HOLLY R NR REPLETE WV LAT 38 41 19 LONG 080 26 01

APR , 1979								
22...	--	--	10	10	0	--	--	--
SEP								
13...	10	5100	20	10	10	250	.00	0

382811080383339 - T13.0BIRCH R @ HWY 44 BR @ BOGGS WV LAT 38 28 11 LONG 080 38 33

APR , 1979								
22...	--	--	40	10	30	--	--	--
SEP								
13...	10	8400	50	0	60	380	.00	0

383444080440439 - T14.0L BIRCH R @ HWY 40/15 NR LITTLE BIRCH WV LAT 38 34 44 LONG 080 44 04

APR , 1979								
22...	--	--	20	20	0	--	--	--
SEP								
13...	<10	4000	40	0	40	80	.00	0

383429080480439 - T15.0BIRCH R @ HEROLD WV LAT 38 34 29 LONG 080 48 04

APR , 1979								
22...	--	--	10	0	10	--	--	--
SEP								
12...	10	3200	30	10	20	90	.00	0

38333080534039 - T16.0STRANGE CR @ HWY 40 NR STRANGE CREEK WV LAT 38 33 33 LONG 080 53 40

APR , 1979								
22...	--	--	10	0	10	--	--	--
SEP								
12...	10	4000	40	20	20	100	.00	0

383323080574039 - T17.0GROVES CR @ R R BR @ GROVES WV LAT 38 33 23 LONG 080 57 40

APR , 1979								
22...	--	--	10	0	20	--	--	--
SEP								
12...	<10	6000	40	0	50	130	.00	0

OHIO RIVER BASIN

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
KANAWHA RIVER BASIN--Continued										
382650080552539 - T18.0ROBINSON FK @ HWY 15/4 BR NR ENOCH WV LAT 38 26 50 LONG 080 55 25										
APR , 1979										
22...	0900	19	90	6.8	13.0	34	30	.0	.0	5.0
SEP										
12...	1100	8.3	110	6.8	19.0	42	35	.0	.0	7.1
382700080552339 - T19.0BUFFALO CR @ RR B 1000 FT U/S ROBINSN FK WV LAT 38 27 00 LONG 080 55 23										
APR , 1979										
22...	0945	25	230	4.2	13.0	82	82	.0	.0	18
SEP										
12...	1215	19	320	4.3	20.0	110	110	.0	.0	25
382716081040139 - T20.0BUFFALO CR @ HWY 11/9 BR @ CLAY WV LAT 38 27 16 LONG 081 04 01										
APR , 1979										
21...	1700	112	105	5.5	16.0	35	31	.0	.0	7.1
SEP										
11...	1115	27	160	6.1	18.5	51	50	.0	.0	11
382417081064039 - T21.0MIDDLE CR @ HWY 16 BR U/S FR HARTLAND WV LAT 38 24 17 LONG 081 06 40										
APR , 1979										
21...	1750	8.1	80	7.0	16.5	24	17	.0	.0	5.0
SFP										
11...	1300	2.9	110	7.5	20.0	33	19	.0	.0	8.0
382308081091939 - T22.0SYCAMORE CR D/S CHARLEY BR NR INDORE WV LAT 38 23 08 LONG 081 09 19										
APR , 1979										
22...	0700	26	60	7.0	12.0	17	12	.0	.0	3.5
SEP										
11...	1430	8.1	90	7.4	21.0	23	11	.0	.0	5.3
382820081171039 - T23.0ELK R @ QUEEN SHOALS WV LAT 38 28 20 LONG 081 17 10										
APR , 1979										
21...	1600	1260	60	7.4	15.0	19	12	.0	.0	4.5
SEP										
10...	1600	1700	80	7.4	22.0	26	10	.0	.0	6.8
383137081185539 - T24.0BIG SANDY CR D/S L BLUE CR NR CLENDENIN WV LAT 38 31 37 LONG 081 18 55										
APR , 1979										
21...	1430	40	125	7.2	16.0	44	13	.0	.0	12
SEP										
11...	1000	7.3	205	7.7	18.0	70	14	.0	.0	20
382737081232539 - T25.0FALLING RK CR @ HWY 58 @ FALLING RK WV LAT 38 27 37 LONG 081 23 25										
APR , 1979										
21...	0930	25	160	7.2	11.5	17	12	.0	.0	3.6
SEP										
10...	1245	2.9	90	7.6	19.0	23	4	.0	.0	5.6
382145081215239 - T26.0BLUE CR @ HWY 57 BR @ SANDERSON WV LAT 38 21 45 LONG 081 21 52										
APR , 1979										
21...	1045	57	150	7.3	12.0	51	50	.0	.0	11
SFP										
10...	1400	9.7	220	6.7	20.0	66	63	.0	.0	14

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

KANAWHA RIVER BASIN--Continued

382650080552539 - T18.0ROBINSON FK @ HWY 15/4 BR NR ENOCH WV LAT 38 26 50 LONG 080 55 25

APR , 1979									
22...	5.2	--	--	4	--	36	1.4	67	.09
SEP									
12...	5.9	1.6	.1	3	2.2	38	1.3	74	.10

382700080552339 - T19.0BUFFALO CR @ RR B 1000 FT U/S ROBINSN FK WV LAT 38 27 00 LONG 080 55 23

APR , 1979									
22...	9.0	--	--	0	--	93	2.3	160	.22
SEP									
12...	12	3.8	.2	0	.0	110	2.1	198	.27

382716081040139 - T20.0BUFFALO CR @ HWY 11/9 BR @ CLAY WV LAT 38 27 16 LONG 081 04 01

APR , 1979									
21...	4.3	--	--	4	--	40	2.4	78	.11
SEP									
11...	5.7	2.3	.1	1	1.6	50	1.9	86	.12

382417081064039 - T21.0MIDDLE CR @ HWY 16 BR U/S FR HARTLAND WV LAT 38 24 17 LONG 081 06 40

APR , 1979									
21...	2.7	--	--	7	--	23	3.8	55	.07
SEP									
11...	3.2	4.3	.3	15	.9	20	4.5	63	.09

382308081091939 - T22.0SYCAMORE CR D/S CHARLEY BR NR INDORE WV LAT 38 23 08 LONG 081 09 19

APR , 1979									
22...	2.1	--	--	5	--	15	3.5	40	.05
SEP									
11...	2.4	3.4	.3	12	.9	14	4.7	52	.07

382820081171039 - T23.0ELK R @ QUEEN SHOALS WV LAT 38 28 20 LONG 081 17 10

APR , 1979									
21...	1.9	--	--	7	--	14	3.4	43	.06
SEP									
10...	2.2	1.9	.2	15	1.2	14	1.9	46	.06

383137081185539 - T24.0BIG SANDY CR D/S L BLUE CR NR CLENDENIN WV LAT 38 31 37 LONG 081 18 55

APR , 1979									
21...	3.4	--	--	31	--	15	7.8	71	.10
SEP									
11...	4.8	13	.7	56	2.2	17	17	125	.17

382737081232539 - T25.0FALLING RK CR @ HWY 58 @ FALLING RK WV LAT 38 27 37 LONG 081 23 25

APR , 1979									
21...	1.9	--	--	5	--	15	2.9	44	.06
SEP									
10...	2.3	4.5	.4	16	.9	12	4.8	52	.07

382145081215239 - T26.0BLUE CR @ HWY 57 BR @ SANDERSON WV LAT 38 21 45 LONG 081 21 52

APR , 1979									
21...	5.8	--	--	1	--	50	4.1	96	.13
SEP									
10...	7.5	5.3	.3	3	1.2	63	6.4	130	.18

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--	--

KANAWHA RIVER BASIN--Continued

382650080552539 - T18.0ROBINSON FK @ HWY 15/4 BR NR ENOCH WV LAT 38 26 50 LONG 080 55 25

APR , 1979									
22...	3.44	--	--	--	--	--	140	110	30
SEP									
12...	1.67	0	<10	<10	<10	<10	180	--	40

382700080552339 - T19.0BUFFALO CR @ RR B 1000 FT U/S ROBINSN FK WV LAT 38 27 00 LONG 080 55 23

APR , 1979									
22...	10.8	--	--	--	--	--	190	60	130
SEP									
12...	10.6	0	<10	<10	<10	<10	870	--	170

382716081040139 - T20.0BUFFALO CR @ HWY 11/9 BR @ CLAY WV LAT 38 27 16 LONG 081 04 01

APR , 1979									
21...	23.6	--	--	--	--	--	110	70	40
SEP									
11...	6.46	0	<10	<10	<10	<10	250	--	80

382417081064039 - T21.0MIDDLE CR @ HWY 16 BR U/S FR HARTLAND WV LAT 38 24 17 LONG 081 06 40

APR , 1979									
21...	1.20	--	--	--	--	--	130	120	10
SEP									
11...	.50	0	<10	10	<10	<10	240	--	40

382308081091939 - T22.0SYCAMORE CR D/S CHARLEY BR NR INDORE WV LAT 38 23 08 LONG 081 09 19

APR , 1979									
22...	2.81	--	--	--	--	--	190	140	50
SEP									
11...	1.15	0	<10	<10	<10	<10	330	--	50

382820081171039 - T23.0ELK R @ QUEEN SHOALS WV LAT 38 28 20 LONG 081 17 10

APR , 1979									
21...	146	--	--	--	--	--	210	170	40
SEP									
10...	211	0	<10	10	20	20	400	--	60

383137081185539 - T24.0BIG SANDY CR D/S L BLUE CR NR CLENDENIN WV LAT 38 31 37 LONG 081 18 55

APR , 1979									
21...	7.67	--	--	--	--	--	600	480	120
SEP									
11...	2.49	0	<10	<10	<10	<10	2400	--	250

382737081232539 - T25.0FALLING RK CR @ HWY 58 @ FALLING RK WV LAT 38 27 37 LONG 081 23 25

APR , 1979									
21...	2.97	--	--	--	--	--	150	40	110
SEP									
10...	.41	0	<10	<10	<10	<10	420	--	220

382145081215239 - T26.0BLUE CR @ HWY 57 BR @ SANDERSON WV LAT 38 21 45 LONG 081 21 52

APR , 1979									
21...	14.8	--	--	--	--	--	1000	200	800
SFP									
10...	3.40	0	<10	<10	<10	<10	1900	--	1500

OHIO RIVER BASIN

133

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	---	--	---	--

KANAWHA RIVER BASIN--Continued

382650080552539 - T18.0ROBINSON FK @ HWY 15/4 BR NR ENOCH WV LAT 38 26 50 LONG 080 55 25

APR , 1979									
22...	--	--	290	10	280	--	--	--	--
SEP									
12...	<10	3600	250	0	250	150	.00	0	10

382700080552339 - T19.0BUFFALO CR @ RR B 1000 FT U/S ROBINSN FK WV LAT 38 27 00 LONG 080 55 23

APR , 1979									
22...	--	--	600	0	610	--	--	--	--
SEP									
12...	10	3100	990	0	990	50	.00	0	70

382716081040139 - T20.0BUFFALO CR @ HWY 11/9 BR @ CLAY WV LAT 38 27 16 LONG 081 04 01

APR , 1979									
21...	--	--	220	0	230	--	--	--	--
SEP									
11...	<10	3700	400	20	380	100	.00	0	20

382417081064039 - T21.0MIDDLE CR @ HWY 16 BR U/S FR HARTLAND WV LAT 38 24 17 LONG 081 06 40

APR , 1979									
21...	--	--	30	10	20	--	--	--	--
SEP									
11...	<10	4700	40	10	30	170	.00	0	20

382308081091939 - T22.0SYCAMORE CR D/S CHARLEY BR NR INDORE WV LAT 38 23 08 LONG 081 09 19

APR , 1979									
22...	--	--	40	0	40	--	--	--	--
SEP									
11...	10	5200	50	30	20	160	.00	0	20

382820081171039 - T23.0ELK R @ QUEEN SHOALS WV LAT 38 28 20 LONG 081 17 10

APR , 1979									
21...	--	--	50	20	30	--	--	--	--
SEP									
10...	40	19000	60	40	20	1800	.00	0	100

383137081185539 - T24.0BIG SANDY CR D/S L BLUE CR NR CLENDENIN WV LAT 38 31 37 LONG 081 18 55

APR , 1979									
21...	--	--	40	0	50	--	--	--	--
SEP									
11...	<10	10000	180	60	120	370	.00	0	20

382737081232539 - T25.0FALLING RK CR @ HWY 58 @ FALLING RK WV LAT 38 27 37 LONG 081 23 25

APR , 1979									
21...	--	--	20	0	20	--	--	--	--
SEP									
10...	<10	5600	30	0	40	130	.00	0	20

382145081215239 - T26.0BLUE CR @ HWY 57 BR @ SANDERSON WV LAT 38 21 45 LONG 081 21 52

APR , 1979									
21...	--	--	290	0	290	--	--	--	--
SEP									
10...	<10	5200	800	0	820	250	.00	0	20

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
------	------	---	--	---------------	-----------------------------	--	--	--	----------------------------------	--

KANAWHA RIVER BASIN--Continued

382616081264139 - T27.0BLUE CR @ PRIVATE BR NR BLUE CR WV LAT 38 26 16 LONG 081 26 41

APR . 1979

21... 0730 92 120 7.4 12.0 47 42 .0 .0 10

SEP

10... 1045 15 160 7.2 18.5 52 44 .0 .0 11

383150081202439 - T28.0LEFTHAND CR @ HWY 119/3 BR NR CLENDENIN WV LAT 38 31 50 LONG 081 20 24

APR . 1979

21... 1300 16 110 7.6 15.0 39 12 .0 .0 11

SEP

11... 0700 1.2 190 7.7 18.0 70 6 .0 .0 21

382747081300039 - T29.0L SANDY CR @ HWY 39 @ WILLS, WV LAT 38 27 47 LONG 081 30 00

APR . 1979

21... 0615 24 125 7.4 11.0 49 19 .0 .0 14

SEP

10... 0700 2.0 220 7.5 18.0 75 19 .0 .0 22

381653081383239 - U01.0DAVIS CR @ HWY 23 @ KAN STATE FOREST WV LAT 38 16 53 LONG 081 38 32

APR . 1979

22... 1910 6.4 60 6.3 15.0 23 15 .0 .0 3.9

SEP

10... 0900 .53 95 5.2 16.0 33 16 .0 .0 6.8

382032081423439 - U02.0DAVIS CR U/S FROM TRACE FK @ DAVIS CR WV LAT 38 20 32 LONG 081 42 34

APR . 1979

22... 1815 34 70 6.4 17.0 31 19 .0 .0 6.4

SEP

10... 1100 5.4 175 6.0 16.0 56 25 .0 .0 13

383817081240739 - U03.0POCOTALICO R AT HWY 119 BR @ WALTON WV LAT 38 38 17 LONG 081 24 07

APR . 1979

22... 1420 21 260 7.3 18.0 91 32 .0 .0 27

SEP

11... 0750 1.5 550 7.4 18.0 150 92 .0 .0 47

383832081282339 - U04.0FLAT FK @ HWY 32 BR @ RYAN WV LAT 38 38 32 LONG 081 28 23

APR . 1979

22... 1605 9.0 130 7.6 18.0 53 9 .0 .0 15

SEP

11... 0950 1.1 180 7.4 18.0 63 0 .0 .0 18

383333081380539 - U05.0POCOTALICO CR @ RT 21 BR NR ROMANCE WV LAT 38 33 33 LONG 081 38 05

APR . 1979

22... 1115 13 180 7.6 18.0 82 14 .0 .0 24

SEP

11... 1305 1.2 465 7.7 19.0 150 7 .0 .0 44

383328081373239 - U06.0MIDDLE FK @ HWY 42 BR NR ROMANCE WV LAT 38 33 28 LONG 081 37 32

APR . 1979

22... 1155 13 105 7.1 18.0 51 10 .0 .0 15

SEP

11... 1400 1.6 175 7.3 24.0 68 8 .0 .0 20

DATE	MAGNE- STUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

KANAWHA RIVER BASIN--Continued

382616081264139 - T27.0BLUE CR @ PRIVATE BR NR BLUE CR WV LAT 38 26 16 LONG 081 26 41

APR , 1979									
21...	5.3	--	--	5	--	47	4.5	91	.12
SEP									
10...	6.0	5.1	.3	8	1.0	47	6.3	101	.14

383150081202439 - T28.0LEFTHAND CR @ HWY 119/3 BR NR CLENDENIN WV LAT 38 31 50 LONG 081 20 24

APR , 1979									
21...	2.8	--	--	27	--	18	4.4	62	.08
SEP									
11...	4.3	9.5	.5	64	2.5	12	9.8	104	.14

382747081300039 - T29.0L SANDY CR @ HWY 39 @ WILLS, WV LAT 38 27 47 LONG 081 30 00

APR , 1979									
21...	3.5	--	--	30	--	20	8.5	84	.11
SEP									
10...	4.9	12	.6	64	3.5	13	19	118	.16

381653081383239 - U01.0DAVIS CR @ HWY 23 @ KAN STATE FOREST WV LAT 38 16 53 LONG 081 38 32

APR , 1979									
22...	3.2	--	--	8	--	21	2.0	48	.07
SEP									
10...	4.0	2.0	.2	17	209	17	1.9	62	.08

382032081423439 - U02.0DAVIS CR U/S FROM TRACE FK @ DAVIS CR WV LAT 38 20 32 LONG 081 42 34

APR , 1979									
22...	3.7	--	--	12	--	25	6.9	62	.08
SEP									
10...	5.6	7.2	.4	31	60	24	9.7	95	.13

383817081240739 - U03.0POCATALICO R AT HWY 119 BR @ WALTON WV LAT 38 38 17 LONG 081 24 07

APR , 1979									
22...	5.8	--	--	59	--	18	55	174	.24
SEP									
11...	8.8	40	1.4	103	4.8	4.5	100	313	.43

383832081282339 - U04.0FLAT FK @ HWY 32 BR @ RYAN WV LAT 38 38 32 LONG 081 28 23

APR , 1979									
22...	3.8	--	--	44	--	17	13	87	.12
SEP									
11...	4.4	6.4	.4	65	5.4	12	6.5	101	.14

383333081380539 - U05.0POCATALICO CR @ RT 21 BR NR ROMANCE WV LAT 38 33 33 LONG 081 38 05

APR , 1979									
22...	5.3	--	--	68	--	21	15	117	.16
SEP									
11...	8.9	26	.9	138	5.5	15	48	249	.34

383328081373239 - U06.0MIDDLE FK @ HWY 42 BR NR ROMANCE WV LAT 38 33 28 LONG 081 37 32

APR , 1979									
22...	3.3	--	--	41	--	18	2.9	75	.10
SEP									
11...	4.4	4.6	.2	60	5.9	12	2.5	95	.13

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	---	--

KANAWHA RIVER BASIN--Continued

382616081264139 - T27.0BLUE CR @ PRIVATE BR NR BLUE CR WV LAT 38 26 16 LONG 081 26 41

APR , 1979									
21...	22.6	--	--	--	--	--	420	160	260
SEP									
10...	4.15	0	<10	<10	<10	<10	390	--	40

383150081202439 - T28.0LEFTHAND CR @ HWY 119/3 BR NR CLENDENIN WV LAT 38 31 50 LONG 081 20 24

APR , 1979									
21...	2.68	--	--	--	--	--	280	170	110
SEP									
11...	.34	0	<10	<10	<10	<10	650	--	150

382747081300039 - T29.0L SANDY CR @ HWY 39 @ WILLS, WV LAT 38 27 47 LONG 081 30 00

APR , 1979									
21...	5.44	--	--	--	--	--	560	520	40
SEP									
10...	.66	0	<10	<10	<10	<10	390	--	110

381653081383239 - U01.0DAVIS CR @ HWY 23 @ KAN STATE FOREST WV LAT 38 16 53 LONG 081 38 32

APR , 1979									
22...	.83	--	--	--	--	--	6000	5600	390
SEP									
10...	.09	0	<10	<10	<10	<10	1300	--	280

382032081423439 - U02.0DAVIS CR U/S FROM TRACE FK @ DAVIS CR WV LAT 38 20 32 LONG 081 42 34

APR , 1979									
22...	5.69	--	--	--	--	--	410	210	200
SEP									
10...	1.39	0	<10	<10	10	<10	1900	--	210

383817081240739 - U03.0POCOTALICO R AT HWY 119 BR @ WALTON WV LAT 38 38 17 LONG 081 24 07

APR , 1979									
22...	9.87	--	--	--	--	--	280	40	240
SEP									
11...	1.27	0	<10	<10	20	<10	1200	--	50

383832081282339 - U04.0FLAT FK @ HWY 32 BR @ RYAN WV LAT 38 38 32 LONG 081 28 23

APR , 1979									
22...	2.11	--	--	--	--	--	380	200	180
SEP									
11...	.30	0	<10	10	10	<10	340	--	80

383333081380539 - U05.0POCOTALICO CR @ RT 21 BR NR ROMANCE WV LAT 38 33 33 LONG 081 38 05

APR , 1979									
22...	4.11	--	--	--	--	--	410	250	160
SEP									
11...	.81	0	<10	<10	20	<10	5000	--	60

383328081373239 - U06.0MIDDLE FK @ HWY 42 BR NR ROMANCE WV LAT 38 33 28 LONG 081 37 32

APR , 1979									
22...	2.63	--	--	--	--	--	700	540	160
SEP									
11...	.41	0	<10	<10	<10	10	890	--	90

OHIO RIVER BASIN

137

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	---	--	---	--

KANAWHA RIVER BASIN--Continued

382616081264139 - T27.0BLUE CR @ PRIVATE BR NR BLUE CR WV LAT 38 26 16 LONG 081 26 41

APR , 1979									
21...	--	--	260	0	270	--	--	--	--
SEP									
10...	<10	2600	170	10	160	180	.00	0	20

383150081202439 - T28.0LEFTHAND CR @ HWY 119/3 BR NR CLENDENIN WV LAT 38 31 50 LONG 081 20 24

APR , 1979									
21...	--	--	20	0	30	--	--	--	--
SEP									
11...	20	5500	220	30	190	280	.00	0	20

382747081300039 - T29.0L SANDY CR @ HWY 39 @ WILLS, WV LAT 38 27 47 LONG 081 30 00

APR , 1979									
21...	--	--	50	10	40	--	--	--	--
SEP									
10...	20	10000	120	20	100	390	.00	0	30

381653081383239 - U01.0DAVIS CR @ HWY 23 @ KAN STATE FOREST WV LAT 38 16 53 LONG 081 38 32

APR , 1979									
22...	--	--	170	70	100	--	--	--	--
SEP									
10...	<10	2500	230	0	240	60	.00	0	10

382032081423439 - U02.0DAVIS CR U/S FROM TRACE FK @ DAVIS CR WV LAT 38 20 32 LONG 081 42 34

APR , 1979									
22...	--	--	100	10	90	--	--	--	--
SEP									
10...	10	5700	340	90	250	150	.00	0	20

383817081240739 - U03.0POCOTALICO R AT HWY 119 BR @ WALTON WV LAT 38 38 17 LONG 081 24 07

APR , 1979									
22...	--	--	70	0	80	--	--	--	--
SEP									
11...	<10	8000	470	40	430	230	.00	0	20

383832081282339 - U04.0FLAT FK @ HWY 32 BR @ RYAN WV LAT 38 38 32 LONG 081 28 23

APR , 1979									
22...	--	--	50	0	60	--	--	--	--
SEP									
11...	10	8400	80	10	70	220	.00	0	20

383333081380539 - U05.0POCATALICO CR @ RT 21 BR NR ROMANCE WV LAT 38 33 33 LONG 081 38 05

APR , 1979									
22...	--	--	110	0	140	--	--	--	--
SEP									
11...	20	11000	330	20	310	410	.00	0	30

383328081373239 - U06.0MIDDLE FK @ HWY 42 BR NR ROMANCE WV LAT 38 33 28 LONG 081 37 32

APR , 1979									
22...	--	--	100	0	100	--	--	--	--
SEP									
11...	10	4600	370	50	320	240	.00	0	10

OHIO RIVER BASIN

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
KANAWHA RIVER BASIN--Continued										
383135081375039 - U07.0POCOTALICO R @ Sissonville WV LAT 38 31 35 LONG 081 37 50										
APR . 1979										
22...	0840	124	210	6.7	15.0	78	30	.0	.0	23
SEP										
11...	1515	13	350	7.6	23.0	100	38	.0	.0	31
383058081423839 - U08.0FROG CR @ HWY 30 BR NR CAMP VIRGIL TATE WV LAT 38 30 58 LONG 081 42 38										
APR . 1979										
22...	0945	4.7	145	7.1	15.5	72	16	.0	.0	20
SEP										
11...	1635	.17	220	7.4	24.0	87	18	.0	.0	25
382723081555439 - U09.0POPLAR FK @ I-64 BR @ MT VERNON WV LAT 38 27 23 LONG 081 55 54										
APR . 1979										
23...	0655	3.8	145	6.7	15.0	63	20	.0	.0	17
SEP										
12...	0650	.31	280	7.1	19.5	87	16	.0	.0	25
382442081593539 - U10.0HURRICANE CR @ HWY 48 BR NR HURRICANE WV LAT 38 24 42 LONG 081 59 35										
APR . 1979										
21...	1855	3.6	125	8.0	19.0	55	22	.0	.0	15
SEP										
11...	1830	.24	300	7.6	21.5	110	22	.0	.0	32
383741081483439 - U11.018-MILE CR @ HWY 5 BR NR PARADISE WV LAT 38 37 41 LONG 081 48 34										
APR . 1979										
21...	1705	8.8	145	7.6	17.5	66	8	.0	.0	18
SEP										
10...	1740	.57	225	7.6	19.5	92	8	.0	.0	26
383722081485039 - U12.0CHERRY FK @ HWY 5/3 BR NR PARADISE WV LAT 38 37 22 LONG 081 48 50										
APR . 1979										
21...	1620	7.7	125	7.6	19.0	58	15	.0	.0	16
SEP										
10...	1835	.38	205	7.5	20.0	79	15	.0	.0	22
383718081542839 - U13.018-MILE CR @ HWY 6 BR @ WHITE STAR SCH WV LAT 38 37 18 LONG 081 54 28										
APR . 1979										
21...	1450	29	150	7.0	17.0	66	12	.0	.0	18
SEP										
10...	1555	2.9	220	7.3	21.5	86	11	.0	.0	24
384247081525439 - U14.0POPLAR FK @ HWY 35/10 BR @ CAPEHART WV LAT 38 42 47 LONG 081 52 54										
APR . 1979										
21...	1255	3.8	200	7.4	17.0	91	8	.0	.0	25
SEP										
10...	1415	.39	240	7.5	22.0	93	0	.0	.0	26
384142081511139 - U15.0MUDLICK FK @ HWY 35/10 BR @ ELMWOOD WV LAT 38 41 42 LONG 081 51 11										
APR . 1979										
21...	1210	7.1	175	7.5	15.5	80	8	.0	.0	22
SEP										
10...	1315	.60	340	7.3	20.0	130	44	.0	.0	35

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

KANAWHA RIVER BASIN--Continued

383135081375039 - U07.0POCATALICO R @ SISSONVILLE WV LAT 38 31 35 LONG 081 37 50

APR , 1979									
22...	5.0	--	--	48	--	18	35	136	.19
SEP									
11...	6.1	26	1.1	65	3.2	16	53	202	.27

383058081423839 - U08.0FROG CR @ HWY 30 BR NR CAMP VIRGIL TATE WV LAT 38 30 58 LONG 081 42 38

APR , 1979									
22...	5.3	--	--	56	--	23	4.1	97	.13
SEP									
11...	5.9	7.9	.4	79	5.4	21	5.4	119	.16

382723081555439 - U09.0POPLAR FK @ I-64 BR @ MT VERNON WV LAT 38 27 23 LONG 081 55 54

APR , 1979									
23...	5.0	--	--	43	--	26	9.5	103	.14
SEP									
12...	5.9	18	.8	71	11	19	22	138	.19

382442081593539 - U10.0HURRICANE CR @ HWY 48 BR NR HURRICANE WV LAT 38 24 42 LONG 081 59 35

APR , 1979									
21...	4.3	--	--	33	--	27	5.9	84	.11
SEP									
11...	7.9	16	.7	101	4.4	26	17	166	.23

383741081483439 - U11.018-MILE CR @ HWY 5 BR NR PARADISE WV LAT 38 37 41 LONG 081 48 34

APR , 1979									
21...	5.1	--	--	58	--	21	3.5	95	.13
SEP									
10...	6.6	8.6	.4	93	4.1	15	3.3	142	.19

383722081485039 - U12.0CHERRY FK @ HWY 5/3 BR NR PARADISE WV LAT 38 37 22 LONG 081 48 50

APR , 1979									
21...	4.5	--	--	43	--	24	4.9	87	.12
SEP									
10...	5.8	8.6	.4	64	3.9	21	5.5	112	.15

383718081542839 - U13.018-MILE CR @ HWY 6 BR @ WHITE STAR SCH WV LAT 38 37 18 LONG 081 54 28

APR , 1979									
21...	5.2	--	--	54	--	23	4.4	98	.13
SEP									
10...	6.3	8.3	.4	75	7.3	17	4.7	116	.16

384247081525439 - U14.0POPLAR FK @ HWY 35/10 BR @ CAPEHART WV LAT 38 42 47 LONG 081 52 54

APR , 1979									
21...	7.0	--	--	83	--	27	4.2	128	.17
SEP									
10...	6.8	9.8	.4	93	5.7	16	3.5	124	.17

384142081511139 - U15.0MUDLICK FK @ HWY 35/10 BR @ ELMWOOD WV LAT 38 41 42 LONG 081 51 11

APR , 1979									
21...	6.0	--	--	72	--	25	4.2	118	.16
SFP									
10...	9.2	16	.6	81	7.9	43	21	189	.26

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	---	--	--	---	---	--

KANAWHA RIVER BASIN--Continued

383135081375039 - U07.0POCATAICO R @ SISSONVILLE WV LAT 38 31 35 LONG 081 37 50

APR , 1979									
22...	45.5	--	--	--	--	--	750	680	70
SEP									
11...	7.09	0	<10	<10	<10	<10	980	--	60

383058081423839 - U08.0FROG CR @ HWY 30 BR NR CAMP VIRGIL TATE WV LAT 38 30 58 LONG 081 42 38

APR , 1979									
22...	1.23	--	--	--	--	--	310	220	90
SEP									
11...	.05	0	<10	10	<10	10	690	--	250

382723081555439 - U09.0POPLAR FK @ I-64 BR @ MT VERNON WV LAT 38 27 23 LONG 081 55 54

APR , 1979									
23...	1.06	--	--	--	--	--	610	410	200
SEP									
12...	.12	0	<10	<10	10	<10	1500	--	200

382442081593539 - U10.0HURRICANE CR @ HWY 48 BR NR HURRICANE WV LAT 38 24 42 LONG 081 59 35

APR , 1979									
21...	.82	--	--	--	--	--	270	190	80
SEP									
11...	.11	0	<10	<10	<10	<10	450	--	90

383741081483439 - U11.018-MILE CR @ HWY 5 BR NR PARADISE WV LAT 38 37 41 LONG 081 48 34

APR , 1979									
21...	2.26	--	--	--	--	--	590	540	50
SEP									
10...	.22	0	<10	10	10	10	300	--	50

383722081485039 - U12.0CHERRY FK @ HWY 5/3 BR NR PARADISE WV LAT 38 37 22 LONG 081 48 50

APR , 1979									
21...	1.81	--	--	--	--	--	160	120	40
SEP									
10...	.12	0	<10	<10	<10	<10	230	--	30

383718081542839 - U13.018-MILE CR @ HWY 6 BR @ WHITE STAR SCH WV LAT 38 37 18 LONG 081 54 28

APR , 1979									
21...	7.67	--	--	--	--	--	540	470	70
SEP									
10...	.91	0	<10	<10	<10	<10	570	--	40

384247081525439 - U14.0POPLAR FK @ HWY 35/10 BR @ CAPEHART WV LAT 38 42 47 LONG 081 52 54

APR , 1979									
21...	1.31	--	--	--	--	--	890	640	250
SEP									
10...	.13	0	<10	<10	20	<10	1400	--	220

384142081511139 - U15.0MUDLICK FK @ HWY 35/10 BR @ ELMWOOD WV LAT 38 41 42 LONG 081 51 11

APR , 1979									
21...	2.26	--	--	--	--	--	370	290	80
SEP									
10...	.31	0	<10	10	20	<10	1400	--	150

OHIO RIVER BASIN

141

DATE	LEAD. RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON. RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC. RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	---	--	---	--

KANAWHA RIVER BASIN--Continued

383135081375039 - U07.0POCOTALICO R @ Sissonville WV LAT 38 31 35 LONG 081 37 50

APR , 1979									
22...	--	--	120	0	120	--	--	--	--
SEP									
11...	<10	8800	420	80	340	390	.00	0	30

383058081423839 - U08.0FROG CR @ HWY 30 BR NR CAMP VIRGIL TATE WV LAT 38 30 58 LONG 081 42 38

APR , 1979									
22...	--	--	50	0	50	--	--	--	--
SEP									
11...	20	14000	330	20	310	550	.00	0	40

382723081555439 - U09.0POPLAR FK @ I-64 BR @ MT VERNON WV LAT 38 27 23 LONG 081 55 54

APR , 1979									
23...	--	--	320	0	340	--	--	--	--
SEP									
12...	10	8600	1200	100	1100	580	.00	0	20

382442081593539 - U10.0HURRICANE CR @ HWY 48 BR NR HURRICANE WV LAT 38 24 42 LONG 081 59 35

APR , 1979									
21...	--	--	50	0	60	--	--	--	--
SEP									
11...	20	13000	190	30	160	650	.00	0	30

383741081483439 - U11.018-MILE CR @ HWY 5 BR NR PARADISE WV LAT 38 37 41 LONG 081 48 34

APR , 1979									
21...	--	--	90	0	90	--	--	--	--
SEP									
10...	10	12000	220	30	190	480	.00	0	30

383722081485039 - U12.0CHERRY FK @ HWY 5/3 BR NR PARADISE WV LAT 38 37 22 LONG 081 48 50

APR , 1979									
21...	--	--	40	0	40	--	--	--	--
SEP									
10...	<10	9100	200	30	170	680	.00	0	20

383718081542839 - U13.018-MILE CR @ HWY 6 BR @ WHITE STAR SCH WV LAT 38 37 18 LONG 081 54 28

APR , 1979									
21...	--	--	120	0	130	--	--	--	--
SEP									
10...	10	10000	510	90	420	270	.00	0	20

384247081525439 - U14.0POPLAR FK @ HWY 35/10 BR @ CAPEHART WV LAT 38 42 47 LONG 081 52 54

APR , 1979									
21...	--	--	180	0	200	--	--	--	--
SEP									
10...	<10	12000	490	40	450	410	.00	0	30

384142081511139 - U15.0MUDLICK FK @ HWY 35/10 BR @ ELMWOOD WV LAT 38 41 42 LONG 081 51 11

APR , 1979									
21...	--	--	210	0	240	--	--	--	--
SEP									
10...	20	16000	1300	0	1400	840	.00	0	30

OHIO RIVER BASIN

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
------	------	---	--	---------------	-----------------------------	--	--	--	----------------------------------	--

KANAWHA RIVER BASIN--Continued

374645081221839 - V01.0MARSH FK @ HWY 99 BR @ FAIRDALE WV LAT 37 46 45 LONG 081 22 18

MAY , 1979

10...	1330	40	390	7.5	18.0	100	17	.0	.0	22
SEP										
11...	1845	12	840	8.2	16.0	120	0	.0	.0	24

374928081245239 - V02.0SANDLICK CR @ HWY 3/9 BR NR ARNETT WV LAT 37 49 28 LONG 081 24 52

MAY , 1979

10...	1230	14	135	7.3	19.0	37	21	.0	.0	8.2
SEP										
12...	1430	2.7	575	7.2	18.0	74	15	.0	.0	17

375809081315839 - V03.0MARSH FK @ HWY 1 BR @ WHITESVILLE WV LAT 37 58 09 LONG 081 31 58

MAY , 1979

10...	1100	163	280	7.7	20.0	100	65	.0	.0	21
SEP										
12...	1245	46	535	8.6	22.0	140	68	.0	.0	29

375758081312839 - V04.0CLEAR FK @ HWY 1/21 BR @ LEEVALE WV LAT 37 57 58 LONG 081 31 28

MAY , 1979

10...	1000	56	330	7.3	19.0	160	160	.0	.0	33
SEP										
12...	1130	19	525	6.9	19.5	210	180	.0	.0	41

380433081382039 - V06.0LAUREL CR @ HWY 5 BR @ HOPKINS FORK WV LAT 38 04 33 LONG 081 38 20

SEP , 1979

12...	0915	7.0	185	6.4	18.0	67	60	.0	.0	12
-------	------	-----	-----	-----	------	----	----	----	----	----

380516081382139 - V06.5LAUREL CR BLW HOPKINS FK @ HOPKINS FORK WV LAT 38 05 16 LONG 081 38 21

MAY , 1979

10...	0815	60	--	--	--	80	73	.0	.0	14
-------	------	----	----	----	----	----	----	----	----	----

380536081382339 - V06.6SANDLICK CR @ HOPKINS FORK WV LAT 38 05 36 LONG 081 38 23

MAY , 1979

10...	0715	7.7	--	--	--	21	12	.0	.0	3.8
-------	------	-----	----	----	----	----	----	----	----	-----

380729081413339 - V07.0DRAWDY CR NR PEYTONA WV LAT 38 07 29 LONG 081 41 33

MAY , 1979

11...	0645	7.0	250	6.9	16.0	100	83	.0	.0	22
SEP										
10...	1930	3.9	425	6.4	19.0	130	110	.0	.0	29

381227081463639 - V08.0FORK CR @ HWY 2/2 NR EMMONS WV LAT 38 12 27 LONG 081 46 36

MAY , 1979

10...	1215	10	135	7.4	17.5	31	0	.0	.0	6.3
SEP										
10...	1710	2.1	560	7.9	18.0	43	0	.0	.0	9.8

OHIO RIVER BASIN

143

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINIT (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	---	---	---	---	--	---

KANAWHA RIVER BASIN--Continued

374645081221839 - V01.0MARSH FK @ HWY 99 BR @ FAIRDALE WV LAT 37 46 45 LONG 081 22 18

MAY , 1979									
10...	11	--	--	83	--	130	6.0	283	.38
SEP									
11...	14	120	4.8	200	2.5	160	9.9	458	.62

374928081245239 - V02.0SANDLICK CR @ HWY 3/9 BR NR ARNETT WV LAT 37 49 28 LONG 081 24 52

MAY , 1979									
10...	4.1	--	--	16	--	40	7.9	93	.13
SEP									
12...	7.6	59	3.0	59	7.3	67	66	274	.37

375809081315839 - V03.0MARSH FK @ HWY 1 BR @ WHITESVILLE WV LAT 37 58 09 LONG 081 31 58

MAY , 1979									
10...	12	--	--	37	--	100	5.3	203	.28
SEP									
12...	16	50	1.9	81	.3	150	10	315	.43

375758081312839 - V04.0CLEAR FK @ HWY 1/21 BR @ LEEVALE WV LAT 37 57 58 LONG 081 31 28

MAY , 1979									
10...	20	--	--	8	--	160	2.5	282	.38
SEP									
12...	25	11	.3	28	6.1	190	3.3	322	.44

380433081382039 - V06.0LAUREL CR @ HWY 5 BR @ HOPKINS FORK WV LAT 38 04 33 LONG 081 38 20

SEP , 1979									
12...	9.1	1.6	.1	7	5.4	65	.9	107	.15

380516081382139 - V06.5LAUREL CR BLW HOPKINS FK @ HOPKINS FORK WV LAT 38 05 16 LONG 081 38 21

MAY , 1979									
10...	11	--	--	7	--	74	2.6	138	.19

380536081382339 - V06.6SANDLICK CR @ HOPKINS FORK WV LAT 38 05 36 LONG 081 38 23

MAY , 1979									
10...	2.9	--	--	9	--	16	.8	50	.07

380729081413339 - V07.0DRAWDY CR NR PEYTONA WV LAT 38 07 29 LONG 081 41 33

MAY , 1979									
11...	11	--	--	17	--	100	6.8	192	.26
SEP									
10...	14	22	.8	32	17	130	9.1	248	.34

381227081463639 - V08.0FORK CR @ HWY 2/2 NR EMMONS WV LAT 38 12 27 LONG 081 46 36

MAY , 1979									
10...	3.8	--	--	53	--	26	1.6	109	.15
SEP									
10...	4.5	79	5.2	210	5.2	39	4.0	289	.39

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	---	--

KANAWHA RIVER BASIN--Continued

374645081221839 - V01.0MARSH FK @ HWY 99 BR @ FAIRDALE WV LAT 37 46 45 LONG 081 22 18

MAY , 1979									
10...	30.6	--	--	--	--	--	1000	960	40
SEP									
11...	14.8	0	<10	<10	<10	<10	880	--	10

374928081245239 - V02.0SANDLICK CR @ HWY 3/9 BR NR ARNETT WV LAT 37 49 28 LONG 081 24 52

MAY , 1979									
10...	3.52	--	--	--	--	--	740	610	130
SEP									
12...	2.00	0	<10	<10	<10	<10	580	--	50

375809081315839 - V03.0MARSH FK @ HWY 1 BR @ WHITESVILLE WV LAT 37 58 09 LONG 081 31 58

MAY , 1979									
10...	89.3	--	--	--	--	--	230	210	20
SEP									
12...	39.1	0	<10	<10	<10	<10	350	--	30

375758081312839 - V04.0CLEAR FK @ HWY 1/21 BR @ LEEVALE WV LAT 37 57 58 LONG 081 31 28

MAY , 1979									
10...	42.6	--	--	--	--	--	100	90	10
SEP									
12...	16.5	0	<10	<10	30	20	1200	--	20

380433081382039 - V06.0LAUREL CR @ HWY 5 BR @ HOPKINS FORK WV LAT 38 04 33 LONG 081 38 20

SEP , 1979									
12...	2.02	0	<10	<10	<10	<10	150	--	20

380516081382139 - V06.5LAUREL CR BLW HOPKINS FK @ HOPKINS FORK WV LAT 38 05 16 LONG 081 38 21

MAY , 1979									
10...	22.4	--	--	--	--	--	170	140	30

380536081382339 - V06.6SANDLICK CR @ HOPKINS FORK WV LAT 38 05 36 LONG 081 38 23

MAY , 1979									
10...	1.04	--	--	--	--	--	110	100	10

380729081413339 - V07.0DRAWDY CR NR PEYTONA WV LAT 38 07 29 LONG 081 41 33

MAY , 1979									
11...	3.63	--	--	--	--	--	460	150	310
SEP									
10...	2.61	0	<10	<10	<10	<10	960	--	330

381227081463639 - V08.0FORK CR @ HWY 2/2 NR EMMONS WV LAT 38 12 27 LONG 081 46 36

MAY , 1979									
10...	2.94	--	--	--	--	--	230	170	60
SEP									
10...	1.64	0	<10	<10	<10	<10	520	--	280

OHIO RIVER BASIN

145

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	---	--	---	--

KANAWHA RIVER BASIN--Continued

374645081221839 - V01.0MARSH FK @ HWY 99 BR @ FAIRDALE WV LAT 37 46 45 LONG 081 22 18

MAY , 1979									
10...	--	--	400	40	360	--	--	--	--
SEP									
11...	<10	3200	200	30	170	220	.00	0	40

374928081245239 - V02.0SANDLICK CR @ HWY 3/9 BR NR ARNETT WV LAT 37 49 28 LONG 081 24 52

MAY , 1979									
10...	--	--	930	870	60	--	--	--	--
SEP									
12...	<10	11000	100	20	80	840	.00	0	50

375809081315839 - V03.0MARSH FK @ HWY 1 BR @ WHITESVILLE WV LAT 37 58 09 LONG 081 31 58

MAY , 1979									
10...	--	--	90	30	60	--	--	--	--
SEP									
12...	10	5800	100	30	70	250	.00	0	30

375758081312839 - V04.0CLEAR FK @ HWY 1/21 BR @ LEEVALE WV LAT 37 57 58 LONG 081 31 28

MAY , 1979									
10...	--	--	260	10	250	--	--	--	--
SEP									
12...	30	16000	140	50	90	710	.00	0	140

380433081382039 - V06.0LAUREL CR @ HWY 5 BR @ HOPKINS FORK WV LAT 38 04 33 LONG 081 38 20

SEP , 1979									
12...	<10	4100	350	10	340	70	.00	0	10

380516081382139 - V06.5LAUREL CR BLW HOPKINS FK @ HOPKINS FORK WV LAT 38 05 16 LONG 081 38 21

MAY , 1979									
10...	--	--	390	10	380	--	--	--	--

380536081382339 - V06.6SANDLICK CR @ HOPKINS FORK WV LAT 38 05 36 LONG 081 38 23

MAY , 1979									
10...	--	--	10	0	10	--	--	--	--

380729081413339 - V07.0DRAWDY CR NR PEYTONA WV LAT 38 07 29 LONG 081 41 33

MAY , 1979									
11...	--	--	80	0	880	--	--	--	--
SEP									
10...	<10	6400	1400	0	1400	310	.00	0	30

381227081463639 - V08.0FORK CR @ HWY 2/2 NR EMMONS WV LAT 38 12 27 LONG 081 46 36

MAY , 1979									
10...	--	--	20	10	10	--	--	--	--
SEP									
10...	<10	4000	20	0	20	60	.00	0	10

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
------	------	--	--	---------------	-----------------------------	--	--	--	----------------------------------	--

KANAWHA RIVER BASIN--Continued

381422081461739 - V09.0BRIER CR @ HWY 18 BR @ BROWNLAND WV LAT 38 14 22 LONG 081 46 17

MAY , 1979										
10...	0940	20	80	7.3	19.0	35	23	.0	.0	7.2
SEP										
10...	1345	3.0	172	7.3	17.0	60	29	.0	.0	13

381500081475439 - V10.0BIG COAL R NR ALUM CREEK WV LAT 38 15 00 LONG 081 47 54

MAY , 1979										
10...	0845	543	200	7.4	20.0	90	72	.0	.0	18
SEP										
10...	1445	202	372	6.8	21.0	120	82	.0	.0	24

375340081492639 - V11.0SPRUCE FK @ HWY 17 BR @ FIVE BLOCK WV LAT 37 53 40 LONG 081 49 26

MAY , 1979										
11...	1115	31	>500	8.3	19.0	210	84	.0	.0	51
SEP										
11...	1345	22	2040	8.3	20.5	270	73	.0	.0	63

375645081482339 - V12.0SPRUCE LAUREL FK @ RR BR @ CLOTHIER WV LAT 37 56 45 LONG 081 48 23

MAY , 1979										
11...	1015	26	300	7.8	18.0	80	29	.0	.0	17
SEP										
11...	1230	9.4	685	7.1	18.0	130	5	.0	.0	27

375814081493339 - V13.0HEWITT CR @ PRIVATE BR @ JEFFREY WV LAT 37 58 14 LONG 081 49 33

MAY , 1979										
11...	0930	17	260	7.3	18.0	120	93	.0	.0	27
SEP										
11...	1130	5.8	465	6.6	18.0	170	130	.0	.0	37

374955081375339 - V14.0POND FK @ HWY 85 BR NR ROCK LICK WV LAT 37 49 55 LONG 081 37 53

MAY , 1979										
10...	1430	26	>500	7.7	23.0	400	370	.0	.0	94
SEP										
11...	1745	22	1300	7.2	24.0	480	440	.0	.0	110

375715081431039 - V15.0POND FK @ BR @ BOB WHITE WV LAT 37 57 15 LONG 081 43 10

MAY , 1979										
10...	1530	60	>500	9.0	19.0	230	180	.0	.0	55
SEP										
11...	1615	34	850	9.1	23.0	270	220	.0	.0	61

375820081423839 - V16.0WEST FK @ RR BR @ VAN WV LAT 37 58 20 LONG 081 42 38

MAY , 1979										
10...	1630	47	280	7.8	18.0	110	83	.0	.0	22
SEP										
11...	1530	24	455	7.4	22.0	170	130	.0	.0	33

380917081511039 - V17.0LITTLE COAL R @ JULIAN WV LAT 38 09 17 LONG 081 51 10

MAY , 1979										
11...	0800	348	370	7.4	20.0	110	67	.0	.0	24
SEP										
11...	0935	134	650	7.0	19.0	160	89	.0	.0	36

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS SC4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

KANAWHA RIVER BASIN--Continued

381422081461739 - V09.0BRIER CR @ HWY 18 BR @ BOUNLAND WV LAT 38 14 22 LONG 081 46 17

MAY , 1979									
10...	4.2	--	--	12	--	27	2.2	70	.10
SEP									
10...	6.8	6.1	.3	31	3.0	35	3.1	97	.13

381500081475439 - V10.0BIG COAL R NR ALUM CREEK WV LAT 38 15 00 LONG 081 47 54

MAY , 1979									
10...	11	--	--	18	--	87	4.5	175	.24
SEP									
10...	15	21	.8	44	12	100	9.5	217	.30

375340081492639 - V11.0SPRUCE FK @ HWY 17 BR @ FIVE BLOCK WV LAT 37 53 40 LONG 081 49 26

MAY , 1979									
11...	21	--	--	130	--	570	18	1010	1.37
SEP									
11...	28	370	9.8	200	2.0	840	23	1470	2.00

375645081482339 - V12.0SPRUCE LAUREL FK @ RR BR @ CLOTHIER WV LAT 37 56 45 LONG 081 48 23

MAY , 1979									
11...	9.0	--	--	51	--	110	5.3	226	.31
SEP									
11...	14	71	2.8	116	19	170	8.1	372	.51

375814081493339 - V13.0HEWITT CR @ PRIVATE BR @ JEFFREY WV LAT 37 58 14 LONG 081 49 33

MAY , 1979									
11...	13	--	--	28	--	110	4.7	214	.29
SEP									
11...	18	19	.6	46	20	140	5.3	270	.37

374955081375339 - V14.0POND FK @ HWY 85 BR NR ROCK LICK WV LAT 37 49 55 LONG 081 37 53

MAY , 1979									
10...	41	--	--	36	--	450	8.0	772	1.05
SEP									
11...	50	64	1.3	46	5.4	490	8.2	898	1.22

375715081431039 - V15.0POND FK @ BR @ BOB WHITE WV LAT 37 57 15 LONG 081 43 10

MAY , 1979									
10...	23	--	--	54	--	250	5.7	463	.63
SEP									
11...	29	51	1.3	56	.1	310	6.4	524	.71

375820081423839 - V16.0WEST FK @ RR BR @ VAN WV LAT 37 58 20 LONG 081 42 38

MAY , 1979									
10...	14	--	--	30	--	110	5.7	215	.29
SEP									
11...	21	14	.5	42	2.7	140	7.3	251	.34

380917081511039 - V17.0LITTLE COAL R @ JULIAN WV LAT 38 09 17 LONG 081 51 10

MAY , 1979									
11...	13	--	--	46	--	160	6.3	304	.41
SEP									
11...	18	63	2.1	73	15	210	9.1	408	.55

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	---	--

KANAWHA RIVER BASIN--Continued

381422081461739 - V09.0BRIER CR @ HWY 18 BR @ BROUNLAND WV LAT 38 14 22 LONG 081 46 17

MAY , 1979									
10...	3.78	--	--	--	--	--	230	180	50
SEP									
10...	.79	0	<10	<10	<10	<10	370	--	180

381500081475439 - V10.0BIG COAL R NR ALUM CREEK WV LAT 38 15 00 LONG 081 47 54

MAY , 1979									
10...	257	--	--	--	--	--	390	370	20
SEP									
10...	118	0	<10	<10	<10	<10	540	--	20

375340081492639 - V11.0SPRUCE FK @ HWY 17 BR @ FIVE BLOCK WV LAT 37 53 40 LONG 081 49 26

MAY , 1979									
11...	84.5	--	--	--	--	--	1000	960	40
SEP									
11...	87.3	0	<10	<10	<10	<10	960	--	120

375645081482339 - V12.0SPRUCE LAUREL FK @ RR BR @ CLOTHIER WV LAT 37 56 45 LONG 081 48 23

MAY , 1979									
11...	15.9	--	--	--	--	--	210	190	20
SEP									
11...	9.44	0	<10	<10	<10	<10	280	--	20

375814081493339 - V13.0HEWITT CR @ PRIVATE BR @ JEFFREY WV LAT 37 58 14 LONG 081 49 33

MAY , 1979									
11...	9.82	--	--	--	--	--	470	430	40
SEP									
11...	4.23	0	<10	<10	20	<10	400	--	10

374955081375339 - V14.0POND FK @ HWY 85 BR NR ROCK LICK WV LAT 37 49 55 LONG 081 37 53

MAY , 1979									
10...	54.2	--	--	--	--	--	1000	990	10
SEP									
11...	53.3	0	<10	<10	30	20	1900	--	10

375715081431039 - V15.0POND FK @ BR @ BOB WHITE WV LAT 37 57 15 LONG 081 43 10

MAY , 1979									
10...	75.0	--	--	--	--	--	230	220	10
SEP									
11...	48.1	0	<10	<10	20	30	230	--	20

375820081423839 - V16.0WEST FK @ RR BR @ VAN WV LAT 37 58 20 LONG 081 42 38

MAY , 1979									
10...	27.3	--	--	--	--	--	110	100	10
SEP									
11...	16.3	0	<10	<10	10	<10	150	--	0

380917081511039 - V17.0LITTLE COAL R @ JULIAN WV LAT 38 09 17 LONG 081 51 10

MAY , 1979									
11...	286	--	--	--	--	--	340	320	20
SEP									
11...	148	0	<10	<10	20	<10	490	--	40

OHIO RIVER BASIN

149

DATE	LEAD, RECOV. FM ROT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	--	--	--	--

KANAWHA RIVER BASIN--Continued

381422081461739 - V09.0BRIER CR @ HWY 18 BR @ BROUNLAND WV LAT 38 14 22 LONG 081 46 17

MAY , 1979									
10...	--	--	40	10	30	--	--	--	--
SEP									
10...	10	5500	40	0	40	210	.00	0	20

381500081475439 - V10.0BIG COAL R NR ALUM CREEK WV LAT 38 15 00 LONG 081 47 54

MAY , 1979									
10...	--	--	80	30	50	--	--	--	--
SEP									
10...	<10	6100	90	20	70	220	.00	0	40

375340081492639 - V11.0SPRUCE FK @ HWY 17 BR @ FIVE BLOCK WV LAT 37 53 40 LONG 081 49 26

MAY , 1979									
11...	--	--	560	60	500	--	--	--	--
SEP									
11...	20	6300	730	20	710	170	.00	0	20

375645081482339 - V12.0SPRUCE LAUREL FK @ RR BR @ CLOTHIER WV LAT 37 56 45 LONG 081 48 23

MAY , 1979									
11...	--	--	220	30	190	--	--	--	--
SEP									
11...	10	3300	300	10	290	120	.00	0	10

375814081493339 - V13.0HEWITT CR @ PRIVATE BR @ JEFFREY WV LAT 37 58 14 LONG 081 49 33

MAY , 1979									
11...	--	--	180	20	160	--	--	--	--
SEP									
11...	<10	8400	310	40	270	250	.00	0	40

374955081375339 - V14.0POND FK @ HWY 85 BR NR ROCK LICK WV LAT 37 49 55 LONG 081 37 53

MAY , 1979									
10...	--	--	700	140	560	--	--	--	--
SEP									
11...	30	9900	980	0	980	460	.00	0	60

375715081431039 - V15.0POND FK @ BR @ BOB WHITE WV LAT 37 57 15 LONG 081 43 10

MAY , 1979									
10...	--	--	170	40	130	--	--	--	--
SEP									
11...	20	5800	100	40	60	250	.00	0	20

375820081423839 - V16.0WEST FK @ RR BR @ VAN WV LAT 37 58 20 LONG 081 42 38

MAY , 1979									
10...	--	--	120	0	120	--	--	--	--
SEP									
11...	<10	37000	260	30	230	160	.00	0	30

380917081511039 - V17.0LITTLE COAL R @ JULIAN WV LAT 38 09 17 LONG 081 51 10

MAY , 1979									
11...	--	--	50	0	50	--	--	--	--
SEP									
11...	<10	7800	80	10	70	230	.00	0	40

OHIO RIVER BASIN

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
------	------	---	--	---------------	-----------------------------	--	--	--	----------------------------------	--

KANAWHA RIVER BASIN--Continued

380952081520839 - V18.0BIG HORSE CR @ HWY 3 BR @ ALTMAN WV LAT 38 09 52 LONG 081 52 08

MAY , 1979

11...	0830	33	95	6.8	17.0	42	27	.0	.0	8.8
-------	------	----	----	-----	------	----	----	----	----	-----

SEP

11...	0830	8.8	155	6.5	17.0	64	45	.0	.0	14
-------	------	-----	-----	-----	------	----	----	----	----	----

382020081503039 - V19.0COAL R @ TORNADO WV LAT 38 20 20 LONG 081 50 30

MAY , 1979

10...	0545	1000	220	7.2	19.0	81	53	.0	.0	16
-------	------	------	-----	-----	------	----	----	----	----	----

SEP

10...	1230	336	470	6.7	20.0	120	77	.0	.0	26
-------	------	-----	-----	-----	------	-----	----	----	----	----

OHIO RIVER BASIN

151

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINEITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	---	---	---	---	--	---

KANAWHA RIVER BASIN--Continued

380952081520839 - V18.0BIG HORSE CR @ HWY 3 BR @ ALTMAN WV LAT 38 09 52 LONG 081 52 08

MAY , 1979									
11...	4.8	--	--	15	--	31	2.3	86	.12
SEP									
11...	7.1	3.6	.2	26	12	39	2.6	86	.12

382020081503039 - V19.0COAL R @ TORNADO WV LAT 38 20 20 LONG 081 50 30

MAY , 1979									
10...	10	--	--	28	--	96	4.5	183	.25
SEP									
10...	14	33	1.3	46	18	130	7.7	255	.35

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--	--

KANAWHA RIVER BASIN--Continued

380952081520839 - V18.0BIG HORSE CR @ HWY 3 BR @ ALTMAN WV LAT 38 09 52 LONG 081 52 08

MAY , 1979									
11...	7.66	--	--	--	--	--	370	310	60
SEP									
11...	2.04	0	<10	<10	10	<10	500	--	130

382020081503039 - V19.0COAL R @ TORNADO WV LAT 38 20 20 LONG 081 50 30

MAY , 1979									
10...	494	--	--	--	--	--	360	340	20
SEP									
10...	231	0	<10	<10	10	<10	660	--	20

OHIO RIVER BASIN

153

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	--	--	---	--

KANAWHA RIVER BASIN--Continued

380952081520839 - V18.0B1G HORSE CR @ HWY 3 BR @ ALTMAN WV LAT 38 09 52 LONG 081 52 08

MAY , 1979									
11...	--	--	110	10	100	--	--	--	--
SEP									
11...	<10	3900	170	10	160	.360	.00	0	20

382020081503039 - V19.0COAL R @ TORNADO WV LAT 38 20 20 LONG 081 50 30

MAY , 1979									
10...	--	--	40	20	20	--	--	--	--
SEP									
10...	30	3900	70	30	40	130	.00	0	20



FIGURE 7.--LOCATION OF SAMPLING SITES IN THE GUYANDOTTE RIVER BASIN

Table 6.--Name, location, and drainage area for sites in the Guyandotte River basin.

Local No.	Name	County	Drain. Area (Mi ²)	Data Begins Page No.	Local No.	Name	County	Drain. Area (Mi ²)	Data Begins Page No.
W01.0	Winding Gulf	Raleigh	18.9	156	W19.0	Buffalo Creek	Logan	21.6	164
W02.0	Stonecoal Creek	"	33.1	"	W20.0	Buffalo Creek	"	43.7	"
W03.0	Devils Fork	"	23.1	"	W21.0	Rum Creek	"	17.6	"
W04.0	Slab Fork	"	32.7	"	W22.0	Dingess Run	"	23.4	"
W05.0	Barkers Creek	"	36.4	"	W23.0	Island Creek	"	7.73	"
W06.0	Pinnacle Creek	"	56.9	"	W24.0	Island Creek	"	58.5	"
W07.0	Rockcastle Creek	"	13.4	"	W25.0	Copperas Mine Fork	"	45.4	"
W08.0	Indian Creek	"	41.3	"	W26.0	Guyandotte River	"	836.	"
W09.0	Guyandotte River	"	308.	"	X01.0	Crawley Creek	"	14.4	168
W10.0	Clear Fork	"	24.2	160	X02.0	Big Creek	"	28.1	"
W10.5	Toney Fork	"	8.88	"	X03.0	Big Harts Creek	"	28.1	"
W11.0	Laurel Fork	"	19.2	"	X04.0	Big Ugly Creek	Lincoln	18.1	"
W12.0	Laurel Fork	"	52.8	"	X05.0	Guyandotte River	"	1,226.	"
W13.0	Clear Fork	"	123.	"	X06.0	Mud River	"	14.0	"
W14.0	Big Cub Creek	"	16.6	"	X07.0	Mud River	"	81.2	"
W15.0	Little Huff Creek	"	40.9	"	X08.0	Middle Fork	"	50.1	"
W16.0	Gilbert Creek	Mingo	26.7	"	X09.0	Trace Fork	Putnam	32.6	"
W17.0	Huff Creek	Wyoming	27.3	"	X10.0	Mud River	Cabell	256.	172
W18.0	Huff Creek	Logan	45.7	164					

OHIO RIVER BASIN

DATE	TIME	STREAM- FLOW, INSTANTAN- EUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
------	------	---	--	---------------	-----------------------------	--	--	--	----------------------------------	--

GUYANDOTTE RIVER BASIN

373809081185139 - W01.0WINDING GULF @ HWY 16/18 BR @ HELEN WV LAT 37 38 09 LONG 081 18 51

MAY , 1979

10... 0845 24 600 7.9 15.5 160 0 .0 .0 36

SEP

10... 1030 7.5 770 8.0 12.0 180 0 .0 .0 39

373609081191839 - W02.0STONECOAL CR @ HWY 33 BR @ STONECOAL WV LAT 37 36 09 LONG 081 19 18

MAY , 1979

10... 0945 69 400 7.7 17.0 100 9 .0 .0 22

SEP

10... 1145 28 660 7.9 14.0 99 0 .0 .0 23

373549081191439 - W03.0DEVILS FK @ HWY 35 BR @ AMIGO WV LAT 37 35 49 LONG 081 19 14

MAY , 1979

10... 1030 33 80 7.2 17.0 26 16 .0 .0 5.4

SEP

10... 1300 6.8 111 7.3 17.0 33 26 .0 .0 7.1

373601081224539 - W04.0SLAB FK @ HWY 54 BR @ MULLENS WV LAT 37 36 01 LONG 081 22 45

MAY , 1979

10... 1200 47 200 7.8 18.5 79 20 .0 .0 15

SEP

10... 1430 14 640 7.5 20.0 130 18 .0 .0 25

373322081240339 - W05.0BARKERS CR @ BR IN TRALEE WV LAT 37 33 22 LONG 081 24 03

MAY , 1979

10... 1315 67 320 8.4 19.0 80 0 .0 .0 20

SEP

10... 1540 22 590 8.7 20.0 93 0 .0 .0 24

373406081315839 - W06.0PINNACLE CR @ HWY 16 BR NR PINEVILLE WV LAT 37 34 06 LONG 081 31 58

MAY , 1979

10... 1430 90 300 8.1 19.0 73 0 .0 .0 18

SEP

10... 1720 9.1 660 8.4 18.0 67 0 .0 .0 17

373509081315539 - W07.0ROCKCASTLE CR @ HWY 97 BR @ PINEVILLE WV LAT 37 35 09 LONG 081 31 55

MAY , 1979

10... 1600 10 60 8.4 22.0 17 1 .0 .0 4.6

SEP

12... 0900 1.5 181 7.4 18.0 51 0 .0 .0 15

373400081391039 - W08.0INDIAN CR @ FANROCK WV LAT 37 34 00 LONG 081 39 10

MAY , 1979

12... 1300 367 40 7.4 19.0 17 5 .0 .0 4.1

SEP

11... 0900 4.9 190 7.3 16.0 50 0 .0 .0 13

373615081384439 - W09.0GUYANDOTTE R NR BAILEYSVILLE WV LAT 37 36 15 LONG 081 38 44

MAY , 1979

12... 1245 434 320 7.6 20.5 78 6 .0 .0 18

SEP

11... 0940 106 458 7.9 19.0 98 0 .0 .0 23

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

GUYANDOTTE RIVER BASIN--Continued

373809081185139 - W01.0WINDING GULF @ HWY 16/18 BR @ HELEN WV LAT 37 38 09 LONG 081 18 51

MAY , 1979									
10...	18	--	--	200	--	150	5.4	433	.59
SEP									
10...	19	100	3.3	210	4.1	150	5.2	446	.61

373609081191839 - W02.0STONECOAL CR @ HWY 33 BR @ STONECOAL WV LAT 37 36 09 LONG 081 19 18

MAY , 1979									
10...	11	--	--	91	--	110	3.4	260	.35
SEP									
10...	10	70	3.1	150	3.7	140	4.0	368	.50

373549081191439 - W03.0DEVILS FK @ HWY 35 BR @ AMIGO WV LAT 37 35 49 LONG 081 19 14

MAY , 1979									
10...	3.0	--	--	10	--	26	1.5	72	.10
SEP									
10...	3.8	2.6	.2	7	.7	32	2.9	60	.08

373601081224539 - W04.0SLAB FK @ HWY 54 BR @ MULLENS WV LAT 37 36 01 LONG 081 22 45

MAY , 1979									
10...	10	--	--	59	--	91	3.9	206	.28
SEP									
10...	16	65	2.5	110	6.8	190	5.6	388	.53

373322081240339 - W05.0BARKERS CR @ BR IN TRALEE WV LAT 37 33 22 LONG 081 24 03

MAY , 1979									
10...	7.3	--	--	88	--	71	5.5	215	.29
SEP									
10...	8.1	82	3.7	170	.7	98	4.6	334	.45

373406081315839 - W06.0PINNACLE CR @ HWY 16 BR NR PINEVILLE WV LAT 37 34 06 LONG 081 31 58

MAY , 1979									
10...	6.8	--	--	120	--	57	3.6	222	.30
SEP									
10...	6.0	120	6.4	246	1.9	72	3.8	368	.50

373509081315539 - W07.0ROCKCASTLE CR @ HWY 97 BR @ PINEVILLE WV LAT 37 35 09 LONG 081 31 55

MAY , 1979									
10...	1.4	--	--	16	--	8.5	5.3	48	.07
SEP									
12...	3.2	13	.8	59	4.6	10	11	97	.13

373400081391039 - W08.0INDIAN CR @ FANROCK WV LAT 37 34 00 LONG 081 39 10

MAY , 1979									
12...	1.7	--	--	12	--	11	1.5	47	.06
SEP									
11...	4.2	18	1.1	65	6.4	15	4.5	101	.14

373615081384439 - W09.0GUYANDOTTE R NR BAILEYSVILLE WV LAT 37 36 15 LONG 081 38 44

MAY , 1979									
12...	8.1	--	--	72	--	75	4.1	196	.27
SEP									
11...	9.8	59	2.6	120	2.9	100	5.8	285	.39

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	---	--

GUYANDOTTE RIVER BASIN--Continued

373809081185139 - W01.0WINDING GULF @ HWY 16/18 BR @ HELEN WV LAT 37 38 09 LONG 081 18 51

MAY , 1979									
10...	28.1	--	--	--	--	--	470	460	10
SEP									
10...	9.03	0	<10	<10	20	20	500	--	20

373609081191839 - W02.0STONECOAL CR @ HWY 33 BR @ STONECOAL WV LAT 37 36 09 LONG 081 19 18

MAY , 1979									
10...	48.4	--	--	--	--	--	370	360	10
SEP									
10...	27.8	2	<10	10	40	30	460	--	70

373549081191439 - W03.0DEVILS FK @ HWY 35 BR @ AMIGO WV LAT 37 35 49 LONG 081 19 14

MAY , 1979									
10...	6.42	--	--	--	--	--	250	220	30
SEP									
10...	1.10	0	<10	<10	10	20	180	--	50

373601081224539 - W04.0SLAB FK @ HWY 54 BR @ MULLENS WV LAT 37 36 01 LONG 081 22 45

MAY , 1979									
10...	26.1	--	--	--	--	--	790	780	10
SEP									
10...	14.7	0	<10	10	20	10	660	--	20

373322081240339 - W05.0BARKERS CR @ BR IN TRALEE WV LAT 37 33 22 LONG 081 24 03

MAY , 1979									
10...	38.9	--	--	--	--	--	340	320	20
SEP									
10...	19.8	0	<10	10	20	20	500	--	80

373406081315839 - W06.0PINNACLE CR @ HWY 16 BR NR PINEVILLE WV LAT 37 34 06 LONG 081 31 58

MAY , 1979									
10...	53.9	--	--	--	--	--	310	290	20
SEP									
10...	9.04	0	<10	<10	<10	<10	460	--	60

373509081315539 - W07.0ROCKCASTLE CR @ HWY 97 BR @ PINEVILLE WV LAT 37 35 09 LONG 081 31 55

MAY , 1979									
10...	1.30	--	--	--	--	--	460	340	120
SEP									
12...	.39	0	<10	10	20	10	810	--	190

373400081391039 - W08.0INDIAN CR @ FANROCK WV LAT 37 34 00 LONG 081 39 10

MAY , 1979									
12...	46.6	--	--	--	--	--	3000	2900	80
SEP									
11...	1.34	0	<10	<10	<10	<10	1400	--	440

373615081384439 - W09.0GUYANDOTTE R NR BAILEYSVILLE WV LAT 37 36 15 LONG 081 38 44

MAY , 1979									
12...	230	--	--	--	--	--	920	900	20
SEP									
11...	81.6	0	<10	<10	<10	<10	1100	--	40

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	---	--	---	--

GUYANDOTTE RIVER BASIN--Continued

373809081185139 - W01.0WINDING GULF @ HWY 16/18 BR @ HELEN WV LAT 37 38 09 LONG 081 18 51

MAY , 1979									
10...	--	--	180	30	150	--	--	--	--
SEP									
10...	20	11000	110	0	170	170	.00	0	70

373609081191839 - W02.0STONECOAL CR @ HWY 33 BR @ STONECOAL WV LAT 37 36 09 LONG 081 19 18

MAY , 1979									
10...	--	--	140	10	130	--	--	--	--
SEP									
10...	40	18000	110	20	90	900	.00	0	160

373549081191439 - W03.0DEVILS FK @ HWY 35 BR @ AMIGO WV LAT 37 35 49 LONG 081 19 14

MAY , 1979									
10...	--	--	90	0	90	--	--	--	--
SEP									
10...	10	16000	100	10	90	410	.00	0	120

373601081224539 - W04.0SLAB FK @ HWY 54 BR @ MULLENS WV LAT 37 36 01 LONG 081 22 45

MAY , 1979									
10...	--	--	360	30	330	--	--	--	--
SEP									
10...	20	14000	480	30	450	370	.00	0	70

373322081240339 - W05.0BARKERS CR @ BR IN TRALEE WV LAT 37 33 22 LONG 081 24 03

MAY , 1979									
10...	--	--	60	20	40	--	--	--	--
SEP									
10...	30	16000	70	20	50	620	.00	0	70

373406081315839 - W06.0PINNACLE CR @ HWY 16 BR NR PINEVILLE WV LAT 37 34 06 LONG 081 31 58

MAY , 1979									
10...	--	--	20	0	20	--	--	--	--
SEP									
10...	<10	4800	40	20	20	100	.00	0	20

373509081315539 - W07.0ROCKCASTLE CR @ HWY 97 BR @ PINEVILLE WV LAT 37 35 09 LONG 081 31 55

MAY , 1979									
10...	--	--	40	20	20	--	--	--	--
SEP									
12...	30	18000	90	10	80	420	.00	0	70

373400081391039 - W08.0INDIAN CR @ FANROCK WV LAT 37 34 00 LONG 081 39 10

MAY , 1979									
12...	--	--	120	70	50	--	--	--	--
SEP									
11...	10	6400	120	10	110	350	.00	0	20

373615081384439 - W09.0GUYANDOTTE R NR BAILEYSVILLE WV LAT 37 36 15 LONG 081 38 44

MAY , 1979									
12...	--	--	100	30	70	--	--	--	--
SEP									
11...	20	11000	130	70	60	360	.00	0	30

DATE	TIME	STREAM- FLOW- INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
GUYANDOTTE RIVER BASIN--Continued										
374246081353139 - W10.0CLEAR FK @ PRIVATE BR @ TONEY FORK WV LAT 37 42 46 LONG 081 35 31										
MAY , 1979										
11...	0830	18	570	6.6	15.5	290	290	.0	.0	59
SEP										
11...	1130	11	810	6.6	17.0	370	370	.0	.0	76
374246081354939 - W10.5TONEY FK @ HWY 2 BR @ TONEY FORK WV LAT 37 42 46 LONG 081 35 49										
MAY , 1979										
11...	0745	6.5	450	7.2	15.0	250	220	.0	.0	36
SEP										
11...	1230	2.1	840	7.2	17.0	320	290	.0	.0	49
374122081290339 - W11.0LAUREL FK @ HWY 5 BR @ RAVENCLIFF WV LAT 37 41 22 LONG 081 29 03										
MAY , 1979										
10...	1715	17	200	6.8	21.0	63	47	.0	.0	12
SEP										
11...	1400	3.7	520	7.5	18.0	120	77	.0	.0	25
374001081360539 - W12.0LAUREL FK @ HWY 9/9 BR @ MATHENY WV LAT 37 40 01 LONG 081 36 05										
MAY , 1979										
10...	1815	53	150	7.6	21.0	41	20	.0	.0	8.8
SEP										
11...	1515	11	338	7.6	21.0	81	35	.0	.0	18
373726081421339 - W13.0CLEAR FK @ HWY 6 BR @ CLEAR FORK WV LAT 37 37 26 LONG 081 42 13										
MAY , 1979										
12...	1345	250	170	7.4	19.0	62	48	.0	.0	13
SEP										
11...	1630	39	540	8.3	23.0	190	170	.0	.0	39
373702081472439 - W14.0BIG CUB CR @ RR BR NR GUYAN WV LAT 37 37 02 LONG 081 47 24										
MAY , 1979										
12...	1130	5.4	420	8.5	23.0	190	140	.0	.0	40
SEP										
12...	1830	2.4	388	8.8	24.0	250	190	.0	.0	51
373539081494339 - W15.0L HUFF CR @ U S 52 BR NR JUSTICE WV LAT 37 35 39 LONG 081 49 43										
MAY , 1979										
12...	0900	33	190	7.4	21.0	76	54	.0	.0	18
SEP										
12...	1700	7.5	285	8.5	24.0	110	73	.0	.0	29
373707081525439 - W16.0GILBERT CR @ BR TO HIGH SCHOOL @ GILBERT WV LAT 37 37 07 LONG 081 52 54										
MAY , 1979										
11...	1930	15	270	8.1	25.0	98	74	.0	.0	21
SEP										
11...	1800	6.2	385	8.0	23.0	120	79	.0	.0	28
374346081432639 - W17.0HUFF CR @ PRIVATE BR @ CAMPUS WV LAT 37 43 46 LONG 081 43 26										
MAY , 1979										
11...	0930	18	150	7.6	18.0	67	37	.0	.0	15

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

GUYANDOTTE RIVER BASIN--Continued

374246081353139 - W10.0CLEAR FK @ PRIVATE BR @ TONEY FORK WV LAT 37 42 46 LONG 081 35 31

MAY , 1979									
11...	35	--	--	4	--	310	1.8	474	.64
SEP									
11...	44	16	.4	6	2.9	380	1.5	597	.81

374246081354939 - W10.5TONEY FK @ HWY 2 BR @ TONEY FORK WV LAT 37 42 46 LONG 081 35 49

MAY , 1979									
11...	38	--	--	24	--	250	7.0	410	.56
SEP									
11...	47	19	.5	22	2.7	340	8.3	563	.77

374122081290339 - W11.0LAUREL FK @ HWY 5 BR @ RAVENCLIFF WV LAT 37 41 22 LONG 081 29 03

MAY , 1979									
10...	8.0	--	--	16	--	75	6.8	139	.19
SEP									
11...	14	32	1.3	43	2.7	140	17	285	.39

374001081360539 - W12.0LAUREL FK @ HWY 9/9 BR @ MATHENY WV LAT 37 40 01 LONG 081 36 05

MAY , 1979									
10...	4.7	--	--	21	--	42	6.7	100	.14
SEP									
11...	8.7	29	1.4	51	2.3	74	11	166	.23

373726081421339 - W13.0CLEAR FK @ HWY 6 BR @ CLEAR FORK WV LAT 37 37 26 LONG 081 42 13

MAY , 1979									
12...	7.2	--	--	14	--	60	3.7	120	.16
SEP									
11...	23	18	.6	25	.2	190	6.9	305	.41

373702081472439 - W14.0BIG CUB CR @ RR BR NR GUYAN WV LAT 37 37 02 LONG 081 47 24

MAY , 1979									
12...	21	--	--	45	--	170	5.8	312	.42
SEP									
12...	29	21	.6	59	.2	220	4.2	392	.53

373539081494339 - W15.0L HUFF CR @ U S 52 BR NR JUSTICE WV LAT 37 35 39 LONG 081 49 43

MAY , 1979									
12...	7.6	--	--	22	--	68	5.4	136	.19
SEP									
12...	9.3	12	.5	38	.2	91	11	193	.26

373707081525439 - W16.0GILBERT CR @ BR TO HIGH SCHOOL @ GILBERT WV LAT 37 37 07 LONG 081 52 54

MAY , 1979									
11...	11	--	--	24	--	88	8.2	166	.23
SEP									
11...	13	13	.5	44	.9	110	8.0	214	.29

374346081432639 - W17.0HUFF CR @ PRIVATE BR @ CAMPUS WV LAT 37 43 46 LONG 081 43 26

MAY , 1979									
11...	7.2	--	--	30	--	53	2.4	114	.16

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE- RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--	--

GUYANDOTTE RIVER BASIN--Continued

374246081353139 - W10.0CLEAR FK @ PRIVATE BR @ TONEY FORK WV LAT 37 42 46 LONG 081 35 31

MAY , 1979									
11...	23.0	--	--	--	--	--	560	360	200
SEP									
11...	17.7	0	<10	10	10	30	480	--	120

374246081354939 - W10.5TONEY FK @ HWY 2 BR @ TONEY FORK WV LAT 37 42 46 LONG 081 35 49

MAY , 1979									
11...	7.20	--	--	--	--	--	130	100	30
SEP									
11...	3.19	0	<10	10	20	10	290	--	30

374122081290339 - W11.0LAUREL FK @ HWY 5 BR @ RAVENCLIFF WV LAT 37 41 22 LONG 081 29 03

MAY , 1979									
10...	6.38	--	--	--	--	--	2100	1700	410
SEP									
11...	2.85	0	<10	10	10	10	770	--	20

374001081360539 - W12.0LAUREL FK @ HWY 9/9 BR @ MATHENY WV LAT 37 40 01 LONG 081 36 05

MAY , 1979									
10...	14.3	--	--	--	--	--	530	450	80
SEP									
11...	4.93	0	<10	<10	10	<10	710	--	110

373726081421339 - W13.0CLEAR FK @ HWY 6 BR @ CLEAR FORK WV LAT 37 37 26 LONG 081 42 13

MAY , 1979									
12...	81.0	--	--	--	--	--	4300	4200	70
SEP									
11...	32.1	0	<10	<10	10	<10	390	--	20

373702081472439 - W14.0BIG CUB CR @ RR BR NR GUYAN WV LAT 37 37 02 LONG 081 47 24

MAY , 1979									
12...	4.55	--	--	--	--	--	360	350	10
SEP									
12...	2.54	0	<10	<10	20	20	250	--	20

373539081494339 - W15.0L HUFF CR @ U S 52 BR NR JUSTICE WV LAT 37 35 39 LONG 081 49 43

MAY , 1979									
12...	12.1	--	--	--	--	--	610	550	60
SEP									
12...	3.91	0	<10	10	20	10	450	--	30

373707081525439 - W16.0GILBERT CR @ BR TO HIGH SCHOOL @ GILBERT WV LAT 37 37 07 LONG 081 52 54

MAY , 1979									
11...	6.72	--	--	--	--	--	650	560	90
SEP									
11...	3.58	0	<10	<10	10	10	240	--	30

374346081432639 - W17.0HUFF CR @ PRIVATE BR @ CAMPUS WV LAT 37 43 46 LONG 081 43 26

MAY , 1979									
11...	5.54	--	--	--	--	--	160	130	30

OHIO RIVER BASIN

163

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	---	--	---	--

GUYANDOTTE RIVER BASIN--Continued

374246081353139 - W10.0CLEAR FK @ PRIVATE BR @ TONEY FORK WV LAT 37 42 46 LONG 081 35 31

MAY , 1979									
11...	--	--	1000	80	920	--	--	--	--
SEP									
11...	20	18000	1400	0	1400	310	.00	0	120

374246081354939 - W10.5TONEY FK @ HWY 2 BR @ TONEY FORK WV LAT 37 42 46 LONG 081 35 49

MAY , 1979									
11...	--	--	470	10	460	--	--	--	--
SEP									
11...	20	18000	230	30	200	860	.00	0	60

374122081290339 - W11.0LAUREL FK @ HWY 5 BR @ RAVENCLIFF WV LAT 37 41 22 LONG 081 29 03

MAY , 1979									
10...	--	--	600	30	570	--	--	--	--
SEP									
11...	10	17000	960	0	960	220	.00	0	60

374001081360539 - W12.0LAUREL FK @ HWY 9/9 BR @ MATHENY WV LAT 37 40 01 LONG 081 36 05

MAY , 1979									
10...	--	--	120	10	110	--	--	--	--
SEP									
11...	10	5900	100	10	90	90	.00	0	30

373726081421339 - W13.0CLEAR FK @ HWY 6 BR @ CLEAR FORK WV LAT 37 37 26 LONG 081 42 13

MAY , 1979									
12...	--	--	240	70	170	--	--	--	--
SEP									
11...	10	9400	210	40	170	300	.00	0	40

373702081472439 - W14.0BIG CUB CR @ RR BR NR GUYAN WV LAT 37 37 02 LONG 081 47 24

MAY , 1979									
12...	--	--	130	20	110	--	--	--	--
SEP									
12...	30	15000	80	30	50	970	.00	0	110

373539081494339 - W15.0L HUFF CR @ U S 52 BR NR JUSTICE WV LAT 37 35 39 LONG 081 49 43

MAY , 1979									
12...	--	--	140	10	130	--	--	--	--
SEP									
12...	20	20000	50	20	30	260	.00	0	60

373707081525439 - W16.0GILBERT CR @ BR TO HIGH SCHOOL @ GILBERT WV LAT 37 37 07 LONG 081 52 54

MAY , 1979									
11...	--	--	100	10	90	--	--	--	--
SEP									
11...	10	19000	70	0	70	420	.00	0	50

374346081432639 - W17.0HUFF CR @ PRIVATE BR @ CAMPUS WV LAT 37 43 46 LONG 081 43 26

MAY , 1979									
11...	--	--	10	0	10	--	--	--	--

OHIO RIVER BASIN

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
GUYANDOTTE RIVER BASIN--Continued										
374350081501639 - W18.0HUFF CR @ HWY 10/10 BR @ MALLORY WV LAT 37 43 50 LONG 081 50 16										
MAY , 1979										
11...	1030	32	190	7.9	21.0	76	49	.0	.0	17
SEP										
12...	1115	12	143	7.5	20.0	100	58	.0	.0	24
374755081454839 - W19.0BUFFALO CR @ HWY 16 BY-PASS BR @ CRITES WV LAT 37 47 55 LONG 081 45 48										
MAY , 1979										
11...	1200	17	530	8.0	22.0	210	140	.0	.0	45
SEP										
12...	1330	14	237	8.0	25.0	250	160	.0	.0	52
374521081513639 - W20.0BUFFALO CR @ HWY 16/5 BR @ KISTLER WV LAT 37 45 21 LONG 081 51 36										
MAY , 1979										
11...	1300	41	520	8.2	24.0	190	110	.0	.0	43
SEP										
12...	1215	29	235	7.9	22.0	230	140	.0	.0	49
374833081550239 - W21.0RUM CR @ HWY 14/1 BR @ DEHUE WV LAT 37 48 33 LONG 081 55 02										
MAY , 1979										
11...	1430	17	740	8.7	24.0	180	90	.0	.0	43
SEP										
12...	1445	10	640	8.8	24.0	190	79	.0	.0	46
375028081565739 - W22.0DINGESS RUN @ R R BR @ MELLVILLE WV LAT 37 50 28 LONG 081 56 57										
MAY , 1979										
11...	1530	23	260	8.9	24.0	92	22	.0	.0	21
SEP										
13...	1215	11	360	8.6	20.0	120	21	.0	.0	27
374224081592039 - W23.0ISLAND CR @ HWY 119 BR @ CRYSTAL BLOCK WV LAT 37 42 24 LONG 081 59 20										
MAY , 1979										
11...	1830	4.4	190	7.9	21.0	60	18	.0	.0	14
SEP										
13...	0830	2.0	380	7.5	17.0	110	28	.0	.0	26
375041082003639 - W24.0ISLAND CR @ HWY 119 BR @ MT GAY WV LAT 37 50 41 LONG 082 00 36										
MAY , 1979										
11...	1715	74	640	7.7	23.0	170	65	.0	.0	42
SEP										
13...	0945	39	970	7.5	18.0	250	65	.0	.0	62
375044082005239 - W25.0COPPERAS MINE FK @ 119/14 BR @ MT GAY WV LAT 37 50 44 LONG 082 00 52										
MAY , 1979										
11...	1645	44	470	6.2	25.0	180	170	.0	.0	39
SEP										
13...	1030	10	790	6.8	19.0	350	330	.0	.0	85
375034081583439 - W26.0GUYANDOTTE R @ LOGAN WV LAT 37 50 34 LONG 081 58 34										
MAY , 1979										
11...	1600	836	280	7.9	24.0	89	31	.0	.0	20
SEP										
13...	1130	300	440	8.5	23.0	140	59	.0	.0	31

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINIT- Y (MG/L CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	---	---	---	---	--	---

GUYANDOTTE RIVER BASIN--Continued

374350081501639 - W18.0HUFF CR @ HWY 10/10 BR @ MALLORY WV LAT 37 43 50 LONG 081 50 16

MAY , 1979									
11...	8.1	--	--	27	--	58	4.1	119	.16
SEP									
12...	10	11	.5	43	2.7	78	7.2	171	.23

374755081454839 - W19.0BUFFALO CR @ HWY 16 BY-PASS BR @ CRITES WV LAT 37 47 55 LONG 081 45 48

MAY , 1979									
11...	23	--	--	71	--	210	5.2	382	.52
SEP									
12...	29	38	1.0	94	1.7	210	4.1	446	.61

374521081513639 - W20.0BUFFALO CR @ HWY 16/5 BR @ KISTLER WV LAT 37 45 21 LONG 081 51 36

MAY , 1979									
11...	21	--	--	81	--	200	5.8	388	.53
SEP									
12...	25	46	1.3	90	2.2	220	4.7	434	.59

374833081550239 - W21.0RUM CR @ HWY 14/1 BR @ DEHUE WV LAT 37 48 33 LONG 081 55 02

MAY , 1979									
11...	18	--	--	92	--	290	14	538	.73
SEP									
12...	18	99	3.1	110	.3	280	13	556	.76

375028081565739 - W22.0DINGESS RUN @ R R BR @ MELLVILLE WV LAT 37 50 28 LONG 081 56 57

MAY , 1979									
11...	9.7	--	--	70	--	67	4.2	175	.24
SEP									
13...	13	30	1.2	103	.5	75	3.9	217	.30

374224081592039 - W23.0ISLAND CR @ HWY 119 BR @ CRYSTAL BLOCK WV LAT 37 42 24 LONG 081 59 20

MAY , 1979									
11...	6.1	--	--	42	--	49	5.6	125	.17
SEP									
13...	11	38	1.6	82	5.1	93	7.1	231	.31

375041082003639 - W24.0ISLAND CR @ HWY 119 BR @ MT GAY WV LAT 37 50 41 LONG 082 00 36

MAY , 1979									
11...	17	--	--	110	--	240	10	474	.64
SEP									
13...	22	130	3.6	180	11	380	16	770	1.05

375044082005239 - W25.0COPPERAS MINE FK @ 119/14 BR @ MT GAY WV LAT 37 50 44 LONG 082 00 52

MAY , 1979									
11...	19	--	--	5	--	220	5.8	338	.46
SEP									
13...	33	51	1.2	30	4.9	400	10	677	.92

375034081583439 - W26.0GUYANDOTTE R @ LOGAN WV LAT 37 50 34 LONG 081 58 34

MAY , 1979									
11...	9.5	--	--	58	--	84	5.1	181	.25
SEP									
13...	15	40	1.5	80	.5	130	11	287	.39

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	---	--

GUYANDOTTE RIVER BASIN--Continued

374350081501639 - W18.0HUFF CR @ HWY 10/10 BR @ MALLORY WV LAT 37 43 50 LONG 081 50 16

MAY , 1979									
11...	10.3	--	--	--	--	--	150	140	10
SEP									
12...	5.54	0	<10	<10	20	<10	150	--	50

374755081454839 - W19.0BUFFALO CR @ HWY 16 BY-PASS BR @ CRITES WV LAT 37 47 55 LONG 081 45 48

MAY , 1979									
11...	17.5	--	--	--	--	--	410	410	0
SEP									
12...	16.9	0	<10	<10	20	20	180	--	10

374521081513639 - W20.0BUFFALO CR @ HWY 16/5 BR @ KISTLER WV LAT 37 45 21 LONG 081 51 36

MAY , 1979									
11...	43.0	--	--	--	--	--	500	490	10
SEP									
12...	34.0	0	<10	<10	10	20	120	--	20

374833081550239 - W21.0RUM CR @ HWY 14/1 BR @ DEHUE WV LAT 37 48 33 LONG 081 55 02

MAY , 1979									
11...	24.7	--	--	--	--	--	1600	1600	20
SEP									
12...	15.0	0	<10	10	<10	20	500	--	10

375028081565739 - W22.0DINGESS RUN @ R R BR @ MELLVILLE WV LAT 37 50 28 LONG 081 56 57

MAY , 1979									
11...	10.9	--	--	--	--	--	380	370	10
SEP									
13...	6.44	0	<10	<10	20	<10	90	--	20

374224081592039 - W23.0ISLAND CR @ HWY 119 BR @ CRYSTAL BLOCK WV LAT 37 42 24 LONG 081 59 20

MAY , 1979									
11...	1.49	--	--	--	--	--	130	110	20
SEP									
13...	1.25	0	<10	<10	10	<10	180	--	10

375041082003639 - W24.0ISLAND CR @ HWY 119 BR @ MT GAY WV LAT 37 50 41 LONG 082 00 36

MAY , 1979									
11...	94.7	--	--	--	--	--	1600	1600	0
SEP									
13...	81.1	0	<10	<10	10	20	3000	--	320

375044082005239 - W25.0COPPERAS MINE FK @ 119/14 BR @ MT GAY WV LAT 37 50 44 LONG 082 00 52

MAY , 1979									
11...	40.2	--	--	--	--	--	2500	1700	830
SEP									
13...	18.3	0	<10	<10	<10	10	2300	--	790

375034081583439 - W26.0GUYANDOTTE R @ LOGAN WV LAT 37 50 34 LONG 081 58 34

MAY , 1979									
11...	409	--	--	--	--	--	320	250	70
SEP									
13...	232	0	<10	10	20	20	320	--	10

OHIO RIVER BASIN

167

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	--	--	---	--

GUYANDOTTE RIVER BASIN--Continued

374350081501639 - W18.0HUFF CR @ HWY 10/10 BR @ MALLORY WV LAT 37 43 50 LONG 081 50 16

MAY , 1979									
11...	--	--	20	20	0	--	--	--	--
SEP									
12...	20	17000	20	10	10	310	.00	0	40

374755081454839 - W19.0BUFFALO CR @ HWY 16 BY-PASS BR @ CRITES WV LAT 37 47 55 LONG 081 45 48

MAY , 1979									
11...	--	--	240	0	370	--	--	--	--
SEP									
12...	20	8900	460	50	410	370	.00	0	100

374521081513639 - W20.0BUFFALO CR @ HWY 16/5 BR @ KISTLER WV LAT 37 45 21 LONG 081 51 36

MAY , 1979									
11...	--	--	230	20	210	--	--	--	--
SEP									
12...	20	10000	3300	3000	320	180	.00	0	60

374833081550239 - W21.0RUM CR @ HWY 14/1 BR @ DEHUE WV LAT 37 48 33 LONG 081 55 02

MAY , 1979									
11...	--	--	190	60	130	--	--	--	--
SEP									
12...	30	10000	1000	940	60	360	.00	0	40

375028081565739 - W22.0DINGESS RUN @ R R BR @ MELLVILLE WV LAT 37 50 28 LONG 081 56 57

MAY , 1979									
11...	--	--	10	10	0	--	--	--	--
SEP									
13...	20	4900	20	10	10	200	.00	0	20

374224081592039 - W23.0ISLAND CR @ HWY 119 BR @ CRYSTAL BLOCK WV LAT 37 42 24 LONG 081 59 20

MAY , 1979									
11...	--	--	10	10	0	--	--	--	--
SEP									
13...	20	4700	30	20	10	130	.00	0	20

375041082003639 - W24.0ISLAND CR @ HWY 119 BR @ MT GAY WV LAT 37 50 41 LONG 082 00 36

MAY , 1979									
11...	--	--	240	0	240	--	--	--	--
SEP									
13...	10	14000	520	10	510	150	.00	0	40

375044082005239 - W25.0COPPERAS MINE FK @ 119/14 BR @ MT GAY WV LAT 37 50 44 LONG 082 00 52

MAY , 1979									
11...	--	--	870	10	860	--	--	--	--
SEP									
13...	20	13000	2000	0	2100	60	.00	0	30

375034081583439 - W26.0GUYANDOTTE R @ LOGAN WV LAT 37 50 34 LONG 081 58 34

MAY , 1979									
11...	--	--	30	10	20	--	--	--	--
SEP									
13...	20	15000	80	30	50	420	.00	0	60

OHIO RIVER BASIN

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
GUYANDOTTE RIVER BASIN--Continued										
375745082025739 - X01.0CRAWLEY CR @ HWY 3/4 BR NR CHAPMANVILLE WV LAT 37 57 45 LONG 082 02 57										
MAY , 1979										
12...	1945	7.4	335	7.1	23.0	160	130	.0	.0	36
SEP										
13...	1345	3.4	650	7.4	20.0	280	250	.0	.0	67
380033082010539 - X02.0BIG CR @ HWY 2 BR NR BIG CREEK WV LAT 38 00 33 LONG 082 01 05										
MAY , 1979										
13...	1025	17	190	6.8	18.0	86	62	.0	.0	18
SEP										
13...	1545	3.9	290	7.2	20.0	110	70	.0	.0	24
375840082083839 - X03.0BIG HARTS CR @ HWY 3 BR NR SHIVELY WV LAT 37 58 40 LONG 082 08 38										
MAY , 1979										
12...	1850	14	85	7.3	23.5	31	13	.0	.0	6.5
SEP										
13...	1430	5.8	132	7.4	21.0	44	8	.0	.0	11
380259082040239 - X04.0BIG UGLY CR @ HWY 7 BR NR LEET WV LAT 38 02 59 LONG 082 04 02										
MAY , 1979										
13...	1125	16	65	6.7	17.0	23	7	.0	.0	4.6
SEP										
13...	1640	3.8	97	7.5	20.0	37	15	.0	.0	8.4
381315082121039 - X05.0GUYANDOTTE R @ BRANCHLAND WV LAT 38 13 15 LONG 082 12 10										
MAY , 1979										
10...	1930	1500	240	7.5	21.0	80	42	.0	.0	18
SEP										
12...	1155	463	520	7.7	23.0	140	76	.0	.0	31
380532081580639 - X06.0MUD R @ HWY 46 BR @ MUD WV LAT 38 05 32 LONG 081 58 06										
MAY , 1979										
13...	1400	17	60	6.0	15.0	22	9	.0	.0	3.7
SEP										
12...	1520	6.4	80	6.7	22.0	28	6	.0	.0	6.1
381319082064839 - X07.0MUD R @ HWY 7 BR @ MYRA WV LAT 38 13 19 LONG 082 06 48										
MAY , 1979										
10...	1825	76	50	6.8	20.5	21	7	.0	.0	4.1
SEP										
12...	1340	19	80	6.7	21.0	31	0	.0	.0	6.5
381642082043039 - X08.0MIDDLE FK @ HWY 3 BR @ HAMLIN WV LAT 38 16 42 LONG 082 04 30										
MAY , 1979										
10...	1535	28	125	7.0	17.5	48	13	.0	.0	13
SEP										
12...	1000	2.5	230	7.1	19.0	71	5	.0	.0	20
381956081583839 - X09.0TRACE FK @ HWY 37 BR NR MT MORIAH WV LAT 38 19 56 LONG 081 58 38										
MAY , 1979										
10...	1655	24	130	7.1	22.0	55	13	.0	.0	16
SEP										
12...	0840	1.4	225	7.0	19.0	84	5	.0	.0	25

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

GUYANDOTTE RIVER BASIN--Continued

375745082025739 - X01.0CRAWLEY CR @ HWY 3/4 BR NR CHAPMANVILLE WV LAT 37 57 45 LONG 082 02 57

MAY , 1979									
12...	16	--	--	26	--	170	3.8	282	.38
SEP									
13...	28	35	.9	36	2.8	300	5.2	503	.68

380033082010539 - X02.0BIG CR @ HWY 2 BR NR BIG CREEK WV LAT 38 00 33 LONG 082 01 05

MAY , 1979									
13...	10	--	--	24	--	70	8.8	157	.21
SEP									
13...	11	10	.4	35	4.3	81	9.4	179	.24

375840082083839 - X03.0BIG HARTS CR @ HWY 3 BR NR SHIVELY WV LAT 37 58 40 LONG 082 08 38

MAY , 1979									
12...	3.5	--	--	18	--	21	4.5	56	.08
SEP									
13...	4.1	5.8	.4	36	2.8	16	7.1	79	.11

380259082040239 - X04.0BIG UGLY CR @ HWY 7 BR NR LEET WV LAT 38 02 59 LONG 082 04 02

MAY , 1979									
13...	2.9	--	--	16	--	16	1.5	49	.07
SEP									
13...	3.8	1.5	.1	22	1.4	16	1.8	60	.08

381315082121039 - X05.0GUYANDOTTE R @ BRANCHLAND WV LAT 38 13 15 LONG 082 12 10

MAY , 1979									
10...	8.5	--	--	38	--	80	7.3	165	.22
SEP									
12...	14	47	1.8	59	2.3	140	22	331	.45

380532081580639 - X06.0MUD R @ HWY 46 BR @ MUD WV LAT 38 05 32 LONG 081 58 06

MAY , 1979									
13...	3.1	--	--	13	--	18	1.1	48	.07
SEP									
12...	3.1	1.8	.1	22	8.6	15	1.1	50	.07

381319082064839 - X07.0MUD R @ HWY 7 BR @ MYRA WV LAT 38 13 19 LONG 082 06 48

MAY , 1979									
10...	2.5	--	--	14	--	15	1.5	42	.06
SEP									
12...	3.5	1.8	.1	23	13	12	1.6	51	.07

381642082043039 - X08.0MIDDLE FK @ HWY 3 BR @ HAMLIN WV LAT 38 16 42 LONG 082 04 30

MAY , 1979									
10...	3.8	--	--	35	--	24	5.9	81	.11
SEP									
12...	5.1	10	.5	64	10	13	16	120	.16

381956081583839 - X09.0TRACE FK @ HWY 37 BR NR MT MORIAH WV LAT 38 19 56 LONG 081 58 38

MAY , 1979									
10...	3.7	--	--	42	--	21	5.0	85	.12
SEP									
12...	5.2	6.4	.3	79	15	12	7.4	125	.17

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE- D RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--	--

GUYANDOTTE RIVER BASIN--Continued

375745082025739 - X01.0CRAWLEY CR @ HWY 3/4 BR NR CHAPMANVILLE WV LAT 37 57 45 LONG 082 02 57

MAY , 1979									
12...	5.63	--	--	--	--	--	660	590	70
SEP									
13...	4.62	0	<10	<10	10	<10	600	--	90

380033082010539 - X02.0BIG CR @ HWY 2 BR NR BIG CREEK WV LAT 38 00 33 LONG 082 01 05

MAY , 1979									
13...	7.21	--	--	--	--	--	470	440	30
SFP									
13...	1.88	2	<10	10	<10	10	660	--	40

375840082083839 - X03.0BIG HARTS CR @ HWY 3 BR NR SHIVELY WV LAT 37 58 40 LONG 082 08 38

MAY , 1979									
12...	2.12	--	--	--	--	--	570	250	320
SEP									
13...	1.24	0	<10	<10	<10	<10	1000	--	350

380259082040239 - X04.0BIG UGLY CR @ HWY 7 BR NR LEET WV LAT 38 02 59 LONG 082 04 02

MAY , 1979									
13...	2.12	--	--	--	--	--	950	890	60
SEP									
13...	.62	0	<10	<10	10	<10	620	--	250

381315082121039 - X05.0GUYANDOTTE R @ BRANCHLAND WV LAT 38 13 15 LONG 082 12 10

MAY , 1979									
10...	668	--	--	--	--	--	650	590	60
SFP									
12...	414	0	<10	<10	10	<10	5400	--	40

380532081580639 - X06.0MUD R @ HWY 46 BR @ MUD WV LAT 38 05 32 LONG 081 58 06

MAY , 1979									
13...	2.20	--	--	--	--	--	610	540	70
SEP									
12...	.86	0	<10	<10	<10	<10	470	--	150

381319082064839 - X07.0MUD R @ HWY 7 BR @ MYRA WV LAT 38 13 19 LONG 082 06 48

MAY , 1979									
10...	8.62	--	--	--	--	--	730	620	110
SEP									
12...	2.62	0	<10	<10	<10	10	1200	--	250

381642082043039 - X08.0MIDDLE FK @ HWY 3 BR @ HAMLIN WV LAT 38 16 42 LONG 082 04 30

MAY , 1979									
10...	6.12	--	--	--	--	--	890	760	130
SEP									
12...	.81	0	<10	<10	10	<10	1100	--	160

381956081583839 - X09.0TRACE FK @ HWY 37 BR NR MT MORIAH WV LAT 38 19 56 LONG 081 58 38

MAY , 1979									
10...	5.51	--	--	--	--	--	1300	1200	110
SEP									
12...	.47	0	<10	10	20	<10	1500	--	180

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	--	--	---	--

GUYANDOTTE RIVER BASIN--Continued

375745082025739 - X01.0CRAWLEY CR @ HWY 3/4 BR NR CHAPMANVILLE WV LAT 37 57 45 LONG 082 02 57

MAY , 1979									
12...	--	--	170	0	210	--	--	--	--
SEP									
13...	20	9200	380	30	350	340	.00	0	30

380033082010539 - X02.0BIG CR @ HWY 2 BR NR BIG CREEK WV LAT 38 00 33 LONG 082 01 05

MAY , 1979									
13...	--	--	210	0	210	--	--	--	--
SEP									
13...	20	18000	290	0	290	370	.00	0	60

375840082083839 - X03.0BIG HARTS CR @ HWY 3 BR NR SHIVELY WV LAT 37 58 40 LONG 082 08 38

MAY , 1979									
12...	--	--	40	0	50	--	--	--	--
SEP									
13...	<10	9800	120	10	110	190	.00	0	30

380259082040239 - X04.0BIG UGLY CR @ HWY 7 BR NR LEET WV LAT 38 02 59 LONG 082 04 02

MAY , 1979									
13...	--	--	40	0	50	--	--	--	--
SEP									
13...	10	12000	50	10	40	370	.00	0	40

381315082121039 - X05.0GUYANDOTTE R @ BRANCHLAND WV LAT 38 13 15 LONG 082 12 10

MAY , 1979									
10...	--	--	40	30	10	--	--	--	--
SEP									
12...	10	8000	90	40	50	220	.00	0	30

380532081580639 - X06.0MUD R @ HWY 46 BR @ MUD WV LAT 38 05 32 LONG 081 58 06

MAY , 1979									
13...	--	--	50	0	50	--	--	--	--
SEP									
12...	<10	4000	90	0	90	130	.00	0	10

381319082064839 - X07.0MUD R @ HWY 7 BR @ MYRA WV LAT 38 13 19 LONG 082 06 48

MAY , 1979									
10...	--	--	60	0	70	--	--	--	--
SEP									
12...	50	13000	150	10	140	630	.00	0	50

381642082043039 - X08.0MIDDLE FK @ HWY 3 BR @ HAMLIN WV LAT 38 16 42 LONG 082 04 30

MAY , 1979									
10...	--	--	90	0	90	--	--	--	--
SEP									
12...	10	8400	290	40	250	540	.00	0	20

381956081583839 - X09.0TRACE FK @ HWY 37 BR NR MT MORIAH WV LAT 38 19 56 LONG 081 58 38

MAY , 1979									
10...	--	--	100	0	110	--	--	--	--
SEP									
12...	20	12000	660	50	610	390	.00	0	30

OHIO RIVER BASIN

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
------	------	---	--	---------------	-----------------------------	--	--	--	----------------------------------	--

GUYANDOTTE RIVER BASIN--Continued

382315082064639 - X10.0MUD R NR MILTON WV LAT 38 23 15 LONG 082 06 46

MAY , 1979

11...	0715	198	80	6.9	19.0	38	12	.0	.0	10
SEP										
12...	1800	35	120	6.9	21.0	42	6	.0	.0	11

OHIO RIVER BASIN

173

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

GUYANDOTTE RIVER BASIN--Continued

382315082064639 - X10.0MUD R NR MILTON WV LAT 38 23 15 LONG 082 06 46

MAY , 1979									
11...	3.2	--	--	26	--	20	3.8	66	.09
SFP									
12...	3.6	4.3	.3	34	8.8	13	5.9	70	.10

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--	--

GUYANDOTTE RIVER BASIN--Continued

382315082064639 - X10.0MUD R NR MILTON WV LAT 38 23 15 LONG 082 06 46

MAY , 1979									
11...	35.3	--	--	--	--	--	950	850	100
SEP									
12...	6.62	0	<10	<10	10	<10	1000	--	260

OHIO RIVER BASIN

175

	LEAD,	IRON,	MANGA-	MANGA-		MANGA-	MERCURY	SELE-	ZINC,
	RECOV.	RECOV.	NESE,	NESE,	MANGA-	NESE,	RECOV.	NIUM,	RECOV.
	FM BOT-	FM BOT-	TOTAL	SUS-	NESE,	RECCV.	FM BOT-	TOTAL	FM BOT-
	TOM MA-	TOM MA-	RECOV-	PENDED	DIS-	FM BOT-	TOM MA-	IN BOT-	TOM MA-
	TERIAL	TERIAL	ERABLE	RECOV.	SOLVED	TOM MA-	TERIAL	TOM MA-	TERIAL
	(UG/G	(UG/G	(UG/L	(UG/L	(UG/L	TERIAL	(UG/G	TERIAL	(UG/G
DATE	AS PB)	AS FE)	AS MN)	AS MN)	AS MN)	(UG/G)	AS HG)	(UG/G)	AS ZN)

GUYANDOTTE RIVER BASIN--Continued

382315082064639 - X10.0MUD R NR MILTON WV LAT 38 23 15 LONG 082 06 46

MAY , 1979									
11...	--	--	40	10	30	--	--	--	--
SEP									
12...	<10	3400	120	10	110	380	.00	0	10

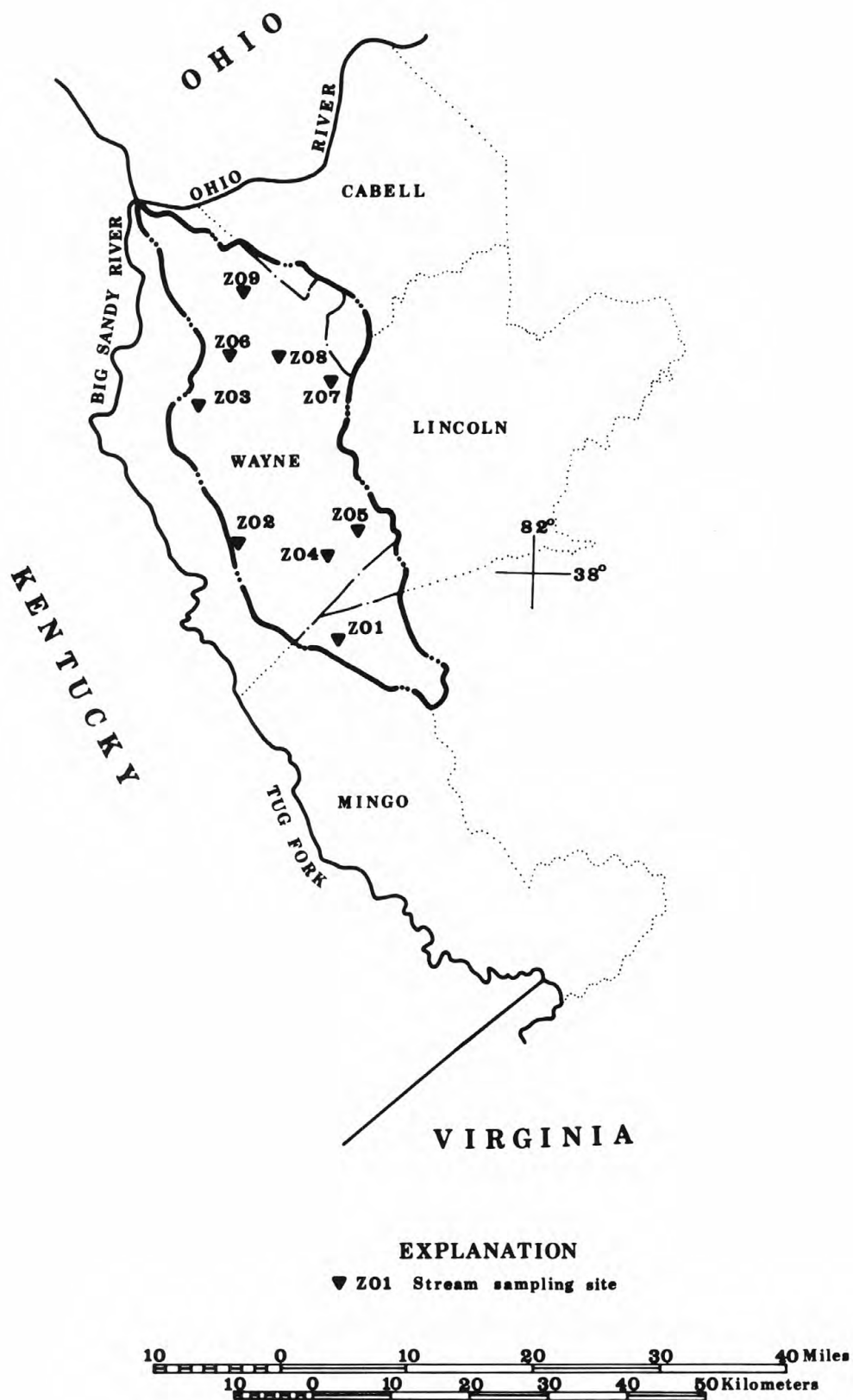


FIGURE 8.--LOCATION OF SAMPLING SITES IN
THE TWELVEPOLE CREEK BASIN

Table 7.--Name, location, and drainage area for sites in the Twelvepole Creek basin.

Local			Drain.	Data
No.	Name	County	Area (Mi ²)	Begins Page No.
Z01.0	W Fk Twelvepole Creek	Mingo	24.7	178
Z02.0	W Fk Twelvepole Creek	Wayne	65.1	"
Z03.0	W Fk Twelvepole Creek	"	108.	"
Z04.0	E Fk Twelvepole Creek	"	38.5	"
Z05.0	Kiah Creek	"	18.0	"
Z06.0	Twelvepole Creek	"	300.	"
Z07.0	Beech Fork	"	14.3	"
Z08.0	Millers Fork	"	9.37	"
Z09.0	Beech Fork	"	80.4	"

OHIO RIVER BASIN

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
TWELVEPOLE CREEK BASIN										
375534082161239 - Z01.0W FK TWELVEPOLE CR @ HWY 2 BR @ BREEDEN WV LAT 37 55 34 LONG 082 16 12										
MAY , 1979										
12...	1555	14	70	7.1	25.0	24	8	.0	.0	5.4
SEP										
14...	0940	5.1	180	7.4	20.5	48	7	.0	.0	12
380126082255539 - Z02.0W FK TWELVEPOLE CR @ HWY 44 BR @ DUNLOW WV LAT 38 01 26 LONG 082 25 55										
MAY , 1979										
11...	1815	62	60	6.6	22.0	24	7	.0	.0	4.8
SEP										
14...	1145	33	110	6.9	20.0	36	7	.0	.0	8.0
381052082283339 - Z03.0W FK TWELVEPOLE CR @ HWY 52/49 BR @ ECHO WV LAT 38 10 52 LONG 082 28 33										
MAY , 1979										
11...	1530	99	70	6.7	21.5	28	12	.0	.0	6.0
SEP										
14...	1435	54	130	6.9	20.0	45	16	.0	.0	11
380102082174639 - Z04.0E FK TWELVEPOLE CR NR DUNLOW WV LAT 38 01 02 LONG 082 17 46										
MAY , 1979										
12...	0705	33	51	6.3	19.0	20	4	.0	.0	3.8
SEP										
14...	0740	20	85	6.7	19.0	26	10	.0	.0	5.3
380232082152339 - Z05.0KIAH CR @ HWY 33 BR NR KIAHSVILLE WV LAT 38 02 32 LONG 082 15 23										
MAY , 1979										
12...	1020	8.7	50	6.7	19.5	19	7	.0	.0	3.5
SEP										
13...	1705	4.0	70	6.9	21.0	22	8	.0	.0	4.2
381456082260639 - Z06.0TWELVEPOLE CR BLW WAYNE WV LAT 38 14 56 LONG 082 26 06										
MAY , 1979										
11...	1015	293	75	6.6	19.0	27	11	.0	.0	6.0
SEP										
13...	1120	58	125	6.6	21.0	40	6	.0	.0	9.1
381351082184839 - Z07.0BEECH FK @ HWY 26 BR NR GILKERSON WV LAT 38 13 51 LONG 082 18 48										
MAY , 1979										
11...	1355	6.0	145	7.5	24.0	58	26	.0	.0	16
SEP										
13...	1425	.30	210	7.0	21.0	79	17	.0	.0	22
381500082221739 - Z08.0MILLERS FK @ HWY 22 BR NR CROCKETT WV LAT 38 15 00 LONG 082 22 17										
MAY , 1979										
11...	1230	2.6	135	7.2	12.0	55	26	.0	.0	14
SEP										
13...	1245	.21	195	6.9	20.0	68	20	.0	.0	19
381828082252839 - Z09.0BEECH FK BLW BEECH FK DAM WV LAT 38 18 28 LONG 082 25 28										
MAY , 1979										
11...	0920	16	105	6.7	17.5	51	26	.0	.0	14
SEP										
13...	0720	17	140	6.7	21.0	50	20	.0	.0	14

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

TWELVEPOLE CREEK BASIN--Continued

375534082161239 - Z01.0W FK TWELVEPOLE CR @ HWY 2 BR @ BREEDEN WV LAT 37 55 34 LONG 082 16 12

MAY , 1979									
12...	2.6	--	--	16	--	14	2.5	54	.07
SEP									
14...	4.4	7.1	.4	41	3.2	15	7.0	86	.12

380126082255539 - Z02.0W FK TWELVEPOLE CR @ HWY 44 BR @ DUNLOW WV LAT 38 01 26 LONG 082 25 55

MAY , 1979									
11...	2.9	--	--	17	--	14	2.7	50	.07
SEP									
14...	3.9	3.7	.3	29	7.1	10	4.5	66	.09

381052082283339 - Z03.0W FK TWELVEPOLE CR @ HWY 52/49 BR @ ECHO WV LAT 38 10 52 LONG 082 28 33

MAY , 1979									
11...	3.1	--	--	16	--	16	3.4	57	.08
SEP									
14...	4.2	3.8	.2	29	7.1	13	5.3	72	.10

380102082174639 - Z04.0E FK TWELVEPOLE CR NR DUNLOW WV LAT 38 01 02 LONG 082 17 46

MAY , 1979									
12...	2.5	--	--	16	--	14	1.4	46	.06
SEP									
14...	3.0	2.3	.2	16	6.2	9.3	2.8	48	.07

380232082152339 - Z05.0KIAH CR @ HWY 33 BR NR KIAHSVILLE WV LAT 38 02 32 LONG 082 15 23

MAY , 1979									
12...	2.4	--	--	12	--	14	1.1	44	.06
SEP									
13...	2.9	1.1	.1	14	3.4	19	.0	59	.08

381456082260639 - Z06.0TWELVEPOLE CR BLW WAYNE WV LAT 38 14 56 LONG 082 26 06

MAY , 1979									
11...	3.0	--	--	16	--	20	2.6	60	.08
SEP									
13...	4.2	4.7	.3	26	17	15	6.9	74	.10

381351082184839 - Z07.0BEECH FK @ HWY 26 BR NR GILKERSON WV LAT 38 13 51 LONG 082 18 48

MAY , 1979									
11...	4.5	--	--	32	--	32	3.3	99	.13
SEP									
13...	5.8	7.4	.4	62	12	24	5.2	104	.14

381500082221739 - Z08.0MILLERS FK @ HWY 22 BR NR CROCKETT WV LAT 38 15 00 LONG 082 22 17

MAY , 1979									
11...	4.9	--	--	29	--	35	3.2	109	.15
SEP									
13...	5.1	6.4	.3	48	12	26	5.3	106	.14

381828082252839 - Z09.0BEECH FK BLW BEECH FK DAM WV LAT 38 18 28 LONG 082 25 28

MAY , 1979									
11...	3.9	--	--	25	--	28	3.1	89	.12
SEP									
13...	3.7	2.6	.2	34	12	18	2.0	75	.10

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--	--

GUYANDOTTE RIVER BASIN--Continued

375534082161239 - Z01.0W FK TWELVEPOLE CR @ HWY 2 BR @ BREEDEN WV LAT 37 55 34 LONG 082 16 12

MAY , 1979									
12...	2.04	--	--	--	--	--	430	290	140
SEP									
14...	1.18	0	<10	<10	<10	<10	1700	--	340

380126082255539 - Z02.0W FK TWELVEPOLE CR @ HWY 44 BR @ DUNLOW WV LAT 38 01 26 LONG 082 25 55

MAY , 1979									
11...	8.37	--	--	--	--	--	600	420	180
SEP									
14...	5.88	0	<10	<10	<10	<10	2100	--	430

381052082283339 - Z03.0W FK TWELVEPOLE CR @ HWY 52/49 BR @ ECHO WV LAT 38 10 52 LONG 082 28 33

MAY , 1979									
11...	15.2	--	--	--	--	--	900	760	140
SEP									
14...	10.5	0	<10	<10	<10	<10	2700	--	250

380102082174639 - Z04.0E FK TWELVEPOLE CR NR DUNLOW WV LAT 38 01 02 LONG 082 17 46

MAY , 1979									
12...	4.10	--	--	--	--	--	410	290	120
SEP									
14...	2.59	0	<10	<10	<10	<10	1100	--	250

380232082152339 - Z05.0KIAH CR @ HWY 33 BR NR KIAHSVILLE WV LAT 38 02 32 LONG 082 15 23

MAY , 1979									
12...	1.03	--	--	--	--	--	250	170	80
SEP									
13...	.64	0	<10	<10	<10	<10	410	--	180

381456082260639 - Z06.0TWELVEPOLE CR BLW WAYNE WV LAT 38 14 56 LONG 082 26 06

MAY , 1979									
11...	47.5	--	--	--	--	--	700	630	70
SEP									
13...	11.6	0	<10	<10	<10	<10	1200	--	350

381351082184839 - Z07.0BEECH FK @ HWY 26 BR NR GILKERSON WV LAT 38 13 51 LONG 082 18 48

MAY , 1979									
11...	1.60	--	--	--	--	--	300	250	50
SEP									
13...	.08	0	<10	<10	10	<10	900	--	290

381500082221739 - Z08.0MILLERS FK @ HWY 22 BR NR CROCKETT WV LAT 38 15 00 LONG 082 22 17

MAY , 1979									
11...	.77	--	--	--	--	--	400	360	40
SEP									
13...	.06	0	<10	<10	20	<10	750	--	170

381828082252839 - Z09.0BEECH FK BLW BEECH FK DAM WV LAT 38 18 28 LONG 082 25 28

MAY , 1979									
11...	3.84	--	--	--	--	--	600	500	100
SEP									
13...	3.44	0	<10	<10	<10	<10	1700	--	580

OHIO RIVER BASIN

181

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	--	--	--	--

TWELVEPOLE CREEK BASIN--Continued

375534082161239 - Z01.0W FK TWELVEPOLE CR @ HWY 2 BR @ BREEDEN WV LAT 37 55 34 LONG 082 16 12

MAY , 1979									
12...	--	--	40	10	30	--	--	--	--
SEP									
14...	10	3700	90	30	60	90	.00	0	10

380126082255539 - Z02.0W FK TWELVEPOLE CR @ HWY 44 BR @ DUNLOW WV LAT 38 01 26 LONG 082 25 55

MAY , 1979									
11...	--	--	50	10	40	--	--	--	--
SEP									
14...	<10	2600	190	40	150	90	.00	0	10

381052082283339 - Z03.0W FK TWELVEPOLE CR @ HWY 52/49 BR @ ECHO WV LAT 38 10 52 LONG 082 28 33

MAY , 1979									
11...	--	--	50	10	40	--	--	--	--
SEP									
14...	<10	4300	160	60	100	230	.00	0	10

380102082174639 - Z04.0E FK TWELVEPOLE CR NR DUNLOW WV LAT 38 01 02 LONG 082 17 46

MAY , 1979									
12...	--	--	30	10	20	--	--	--	--
SEP									
14...	<10	9100	90	10	80	240	.00	0	20

380232082152339 - Z05.0KIAH CR @ HWY 33 BR NR KIAHSVILLE WV LAT 38 02 32 LONG 082 15 23

MAY , 1979									
12...	--	--	10	0	20	--	--	--	--
SEP									
13...	<10	4400	30	10	20	130	.00	0	20

381456082260639 - Z06.0TWELVEPOLE CR BLW WAYNE WV LAT 38 14 56 LONG 082 26 06

MAY , 1979									
11...	--	--	80	0	80	--	--	--	--
SEP									
13...	<10	4900	310	30	280	440	.00	0	20

381351082184839 - Z07.0BEECH FK @ HWY 26 BR NR GILKERSON WV LAT 38 13 51 LONG 082 18 48

MAY , 1979									
11...	--	--	40	0	40	--	--	--	--
SEP									
13...	<10	11000	340	10	330	460	.00	0	30

381500082221739 - Z08.0MILLERS FK @ HWY 22 BR NR CROCKETT WV LAT 38 15 00 LONG 082 22 17

MAY , 1979									
11...	--	--	60	10	50	--	--	--	--
SEP									
13...	20	6900	270	0	280	270	.00	0	20

381828082252839 - Z09.0BEECH FK BLW BEECH FK DAM WV LAT 38 18 28 LONG 082 25 28

MAY , 1979									
11...	--	--	120	30	90	--	--	--	--
SEP									
13...	<10	6200	890	0	890	480	.00	0	10

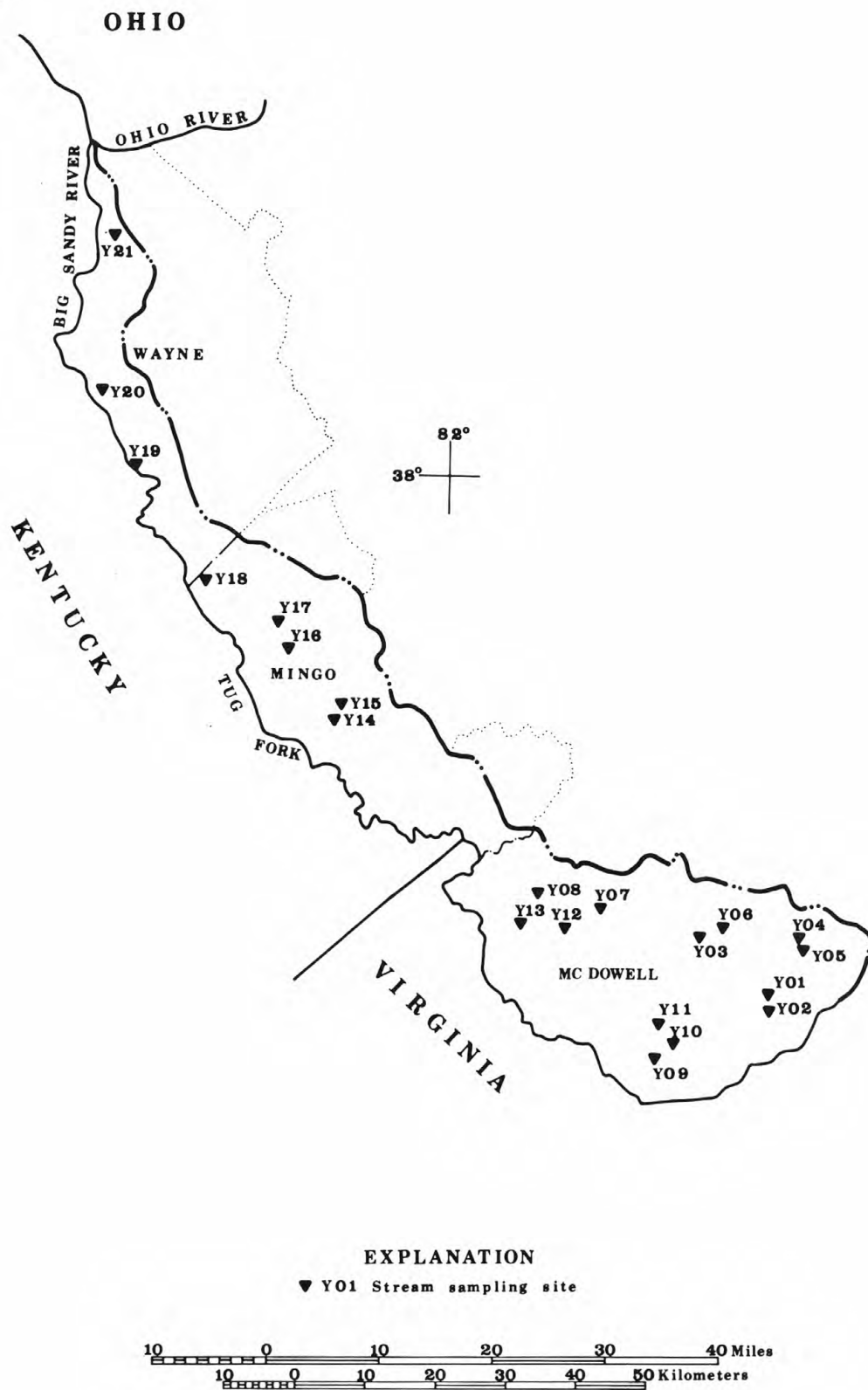


FIGURE 9.--LOCATION OF SAMPLING SITES
IN THE BIG SANDY RIVER BASIN

Table 8.--Name, location, and drainage area for sites in the Big Sandy River basin.

Local No.	Name	County	Drain. Area (Mi ²)	Data Begins Page No.
Y01.0	Tug Fork	McDowell	27.2	184
Y02.0	South Fork	"	17.5	"
Y03.0	Tug Fork	"	85.8	"
Y04.0	N Fk Elkhorn Creek	"	14.4	"
Y05.0	Elkhorn Creek	"	11.7	"
Y06.0	Elkhorn Creek	"	69.9	"
Y07.0	Clear Fork	"	25.3	"
Y08.0	Tug Fork	"	502.	"
Y09.0	Dry Fork	"	51.2	"
Y10.0	Jacobs Fork	"	31.7	188
Y11.0	Big Creek	"	34.0	"
Y12.0	Dry Fork	"	225.	"
Y13.0	Panther Creek	"	31.0	"
Y14.0	Pigeon Creek	Mingo	23.7	"
Y15.0	Rockhouse Fork	"	15.6	"
Y16.0	Pigeon Creek	"	93.9	"
Y17.0	Laurel Fork	"	33.1	"
Y18.0	Marrowbone Creek	"	20.7	"
Y19.0	Tug Fork	Wayne	1,500.	192
Y20.0	Mill Creek	"	20.5	"
Y21.0	Whites Creek	"	13.2	"

OHIO RIVER BASIN

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
------	------	---	--	---------------	-----------------------------	--	--	--	----------------------------------	--

BIG SANDY RIVER BASIN

372012081283839 - Y01.0TUG FK @ PRIVATE BR @ BLACK WOLF WV LAT 37 20 12 LONG 081 28 38

MAY , 1979

10...	1320	50	420	8.3	18.5	190	94	.0	.0	43
-------	------	----	-----	-----	------	-----	----	----	----	----

SEP

10...	1340	7.8	500	8.2	17.5	240	96	.0	.0	55
-------	------	-----	-----	-----	------	-----	----	----	----	----

371937081283639 - Y02.0SOUTH FK @ HWY 161 BR @ SKYGUSTY WV LAT 37 19 37 LONG 081 28 36

MAY , 1979

10...	1420	16	280	8.6	21.0	91	62	.0	.0	20
-------	------	----	-----	-----	------	----	----	----	----	----

SEP

10...	1500	1.9	330	8.4	23.0	140	71	.0	.0	34
-------	------	-----	-----	-----	------	-----	----	----	----	----

372456081352539 - Y03.0TUG FK @ U S 52 BR @ WELCH WV LAT 37 24 56 LONG 081 35 25

MAY , 1979

10...	1915	161	620	7.8	20.0	210	95	.0	.0	48
-------	------	-----	-----	-----	------	-----	----	----	----	----

SEP

11...	0930	15	660	7.8	17.5	260	120	.0	.0	60
-------	------	----	-----	-----	------	-----	-----	----	----	----

372512081252939 - Y04.0N FK ELKHORN CR @ HWY 17 BR @ ALGOMA WV LAT 37 25 12 LONG 081 25 29

MAY , 1979

10...	1115	27	500	8.1	19.0	160	7	.0	.0	38
-------	------	----	-----	-----	------	-----	---	----	----	----

SEP

10...	1045	7.1	510	8.0	13.5	160	0	.0	.0	39
-------	------	-----	-----	-----	------	-----	---	----	----	----

372310081244139 - Y05.0ELKHORN CR @ HWY 52/20 BR @ ELKHORN WV LAT 37 23 10 LONG 081 24 41

MAY , 1979

10...	1220	49	500	8.0	18.0	190	42	.0	.0	44
-------	------	----	-----	-----	------	-----	----	----	----	----

SEP

10...	1220	14	540	8.0	15.0	190	1	.0	.0	45
-------	------	----	-----	-----	------	-----	---	----	----	----

372540081330539 - Y06.0ELKHORN CR @ MAITLAND WV LAT 37 25 40 LONG 081 33 05

MAY , 1979

10...	0945	217	600	7.6	16.0	180	0	.0	.0	42
-------	------	-----	-----	-----	------	-----	---	----	----	----

SEP

11...	1015	38	800	8.1	16.0	190	0	.0	.0	47
-------	------	----	-----	-----	------	-----	---	----	----	----

372702081441439 - Y07.0CLEAR FK @ U S 52 BR @ CLEAR FK JCT WV LAT 37 27 02 LONG 081 44 14

MAY , 1979

11...	0815	44	860	8.3	17.0	100	0	.0	.0	25
-------	------	----	-----	-----	------	-----	---	----	----	----

SEP

11...	1130	18	1500	8.5	18.0	91	0	.0	.0	20
-------	------	----	------	-----	------	----	---	----	----	----

372905081504039 - Y08.0TUG FK @ LITWAR WV LAT 37 29 05 LONG 081 50 40

MAY , 1979

11...	1220	789	520	8.1	20.0	150	15	.0	.0	35
-------	------	-----	-----	-----	------	-----	----	----	----	----

SEP

11...	1440	162	840	8.4	22.0	140	0	.0	.0	34
-------	------	-----	-----	-----	------	-----	---	----	----	----

371537081393239 - Y09.0DRY FK @ HWY 9 BR @ BERWIND WV LAT 37 15 37 LONG 081 39 32

MAY , 1979

10...	1740	95	460	8.5	20.5	140	0	.0	.0	36
-------	------	----	-----	-----	------	-----	---	----	----	----

SEP

10...	1850	18	800	8.3	21.5	120	0	.0	.0	30
-------	------	----	-----	-----	------	-----	---	----	----	----

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

BIG SANDY RIVER BASIN--Continued

372012081283839 - Y01.0TUG FK @ PRIVATE BR @ BLACK WOLF WV LAT 37 20 12 LONG 081 28 38

MAY , 1979									
10...	21	--	--	100	--	95	3.5	272	.37
SEP									
10...	24	15	.4	140	1.7	120	6.1	340	.46

371937081283639 - Y02.0SOUTH FK @ HWY 161 BR @ SKYGUSTY WV LAT 37 19 37 LONG 081 28 36

MAY , 1979									
10...	10	--	--	29	--	66	3.3	162	.22
SEP									
10...	13	10	.4	67	.5	78	6.8	210	.29

372456081352539 - Y03.0TUG FK @ U S 52 BR @ WELCH WV LAT 37 24 56 LONG 081 35 25

MAY , 1979									
10...	23	--	--	120	--	180	4.4	406	.55
SEP									
11...	26	35	1.0	140	4.3	190	9.6	449	.61

372512081252939 - Y04.0N FK ELKHORN CR @ HWY 17 BR @ ALGOMA WV LAT 37 25 12 LONG 081 25 29

MAY , 1979									
10...	15	--	--	150	--	94	4.1	291	.40
SEP									
10...	14	54	1.9	190	3.7	85	5.9	348	.47

372310081244139 - Y05.0ELKHORN CR @ HWY 52/20 BR @ ELKHORN WV LAT 37 23 10 LONG 081 24 41

MAY , 1979									
10...	20	--	--	150	--	94	5.1	297	.40
SEP									
10...	19	43	1.4	190	3.7	98	5.9	358	.49

372540081330539 - Y06.0ELKHORN CR @ MAITLAND WV LAT 37 25 40 LONG 081 33 05

MAY , 1979									
10...	18	--	--	180	--	110	4.5	341	.46
SEP									
11...	18	87	2.7	260	4.0	140	6.8	504	.69

372702081441439 - Y07.0CLEAR FK @ U S 52 BR @ CLEAR FK JCT WV LAT 37 27 02 LONG 081 44 14

MAY , 1979									
11...	10	--	--	220	--	170	18	512	.70
SEP									
11...	10	280	13	420	2.6	240	37	890	1.21

372905081504039 - Y08.0TUG FK @ LITWAR WV LAT 37 29 05 LONG 081 50 40

MAY , 1979									
11...	14	--	--	130	--	110	6.7	303	.41
SEP									
11...	14	110	4.0	250	1.9	130	14	490	.67

371537081393239 - Y09.0DRY FK @ HWY 9 BR @ BERWIND WV LAT 37 15 37 LONG 081 39 32

MAY , 1979									
10...	11	--	--	150	--	81	4.6	270	.37
SEP									
10...	12	120	4.7	310	3.0	81	7.5	465	.63

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	--	--

BIG SANDY RIVER BASIN--Continued

372012081283839 - Y01.0TUG FK @ PRIVATE BR @ BLACK WOLF WV LAT 37 20 12 LONG 081 28 38

MAY , 1979									
10...	36.7	--	--	--	--	--	290	280	10
SEP									
10...	7.16	0	<10	<10	20	10	320	--	20

371937081283639 - Y02.0SOUTH FK @ HWY 161 BR @ SKYGUSTY WV LAT 37 19 37 LONG 081 28 36

MAY , 1979									
10...	7.00	--	--	--	--	--	200	180	20
SEP									
10...	1.08	0	<10	<10	<10	10	310	--	50

372456081352539 - Y03.0TUG FK @ U S 52 BR @ WELCH WV LAT 37 24 56 LONG 081 35 25

MAY , 1979									
10...	176	--	--	--	--	--	300	280	20
SEP									
11...	18.2	0	<10	<10	10	10	450	--	30

372512081252939 - Y04.0N FK ELKHORN CR @ HWY 17 BR @ ALGOMA WV LAT 37 25 12 LONG 081 25 29

MAY , 1979									
10...	21.2	--	--	--	--	--	260	240	20
SEP									
10...	6.67	0	<10	<10	<10	20	290	--	10

372310081244139 - Y05.0ELKHORN CR @ HWY 52/20 BR @ ELKHORN WV LAT 37 23 10 LONG 081 24 41

MAY , 1979									
10...	39.3	--	--	--	--	--	300	280	20
SEP									
10...	13.5	0	<10	<10	10	20	310	--	10

372540081330539 - Y06.0ELKHORN CR @ MAITLAND WV LAT 37 25 40 LONG 081 33 05

MAY , 1979									
10...	200	--	--	--	--	--	650	630	20
SEP									
11...	51.7	0	<10	20	30	60	280	--	40

372702081441439 - Y07.0CLEAR FK @ U S 52 BR @ CLEAR FK JCT WV LAT 37 27 02 LONG 081 44 14

MAY , 1979									
11...	60.8	--	--	--	--	--	640	620	20
SEP									
11...	43.3	0	<10	<10	<10	<10	720	--	20

372905081504039 - Y08.0TUG FK @ LITWAR WV LAT 37 29 05 LONG 081 50 40

MAY , 1979									
11...	645	--	--	--	--	--	450	430	20
SEP									
11...	214	0	<10	10	20	30	610	--	20

371537081393239 - Y09.0DRY FK @ HWY 9 BR @ BERWIND WV LAT 37 15 37 LONG 081 39 32

MAY , 1979									
10...	69.3	--	--	--	--	--	230	210	20
SEP									
10...	22.6	0	<10	<10	10	10	220	--	70

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	---	--	---	--

BIG SANDY RIVER BASIN--Continued

372012081283839 - Y01.0TUG FK @ PRIVATE BR @ BLACK WOLF WV LAT 37 20 12 LONG 081 28 38

MAY , 1979									
10...	--	--	30	0	30	--	--	--	--
SEP									
10...	20	9700	70	10	60	360	.00	0	70

371937081283639 - Y02.0SOWTH FK @ HWY 161 BR @ SKYGUSTY WV LAT 37 19 37 LONG 081 28 36

MAY , 1979									
10...	--	--	30	10	20	--	--	--	--
SEP									
10...	20	9000	20	0	20	260	.00	0	40

372456081352539 - Y03.0TUG FK @ U S 52 BR @ WELCH WV LAT 37 24 56 LONG 081 35 25

MAY , 1979									
10...	--	--	130	10	120	--	--	--	--
SEP									
11...	30	7100	70	10	60	310	.00	0	60

372512081252939 - Y04.0N FK ELKHORN CR @ HWY 17 BR @ ALGOMA WV LAT 37 25 12 LONG 081 25 29

MAY , 1979									
10...	--	--	20	0	20	--	--	--	--
SEP									
10...	20	13000	10	0	20	210	.00	0	70

372310081244139 - Y05.0ELKHORN CR @ HWY 52/20 BR @ ELKHORN WV LAT 37 23 10 LONG 081 24 41

MAY , 1979									
10...	--	--	30	10	20	--	--	--	--
SEP									
10...	40	1200	20	10	10	360	.00	0	160

372540081330539 - Y06.0ELKHORN CR @ MAITLAND WV LAT 37 25 40 LONG 081 33 05

MAY , 1979									
10...	--	--	50	20	30	--	--	--	--
SEP									
11...	80	26000	20	0	20	840	.00	0	180

372702081441439 - Y07.0CLEAR FK @ U S 52 BR @ CLEAR FK JCT WV LAT 37 27 02 LONG 081 44 14

MAY , 1979									
11...	--	--	50	20	30	--	--	--	--
SEP									
11...	20	6100	40	20	20	150	.00	0	20

372905081504039 - Y08.0TUG FK @ LITWAR WV LAT 37 29 05 LONG 081 50 40

MAY , 1979									
11...	--	--	30	10	20	--	--	--	--
SEP									
11...	50	19000	10	0	20	610	.00	0	90

371537081393239 - Y09.0DRY FK @ HWY 9 BR @ BERWIND WV LAT 37 15 37 LONG 081 39 32

MAY , 1979									
10...	--	--	20	0	20	--	--	--	--
SEP									
10...	10	10000	20	10	10	220	.00	0	50

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L AS CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
------	------	---	--	---------------	-----------------------------	--	--	--	----------------------------------	--

BIG SANDY RIVER BASIN--Continued

371643081373839 - Y10.0JACOBS FK @ HWY 16 BR @ CUCUMBER WV LAT 37 16 43 LONG 081 37 38

MAY , 1979										
10...	1550	44	640	8.5	20.5	130	0	.0	.0	33
SEP										
10...	1650	10	1170	8.7	22.0	89	0	.0	.0	21

371724081390839 - Y11.0BIG CR @ HWY 16 BR NR RIFT WV LAT 37 17 24 LONG 081 39 08

MAY , 1979										
10...	1645	38	320	8.1	21.0	140	79	.0	.0	31
SEP										
10...	1750	2.3	430	7.8	21.0	170	70	.0	.0	37

372532081472239 - Y12.0DRY FK NR AVONDALE WV LAT 37 25 32 LONG 081 47 22

MAY , 1979										
11...	1010	307	440	8.2	19.5	110	0	.0	.0	28
SEP										
11...	1205	54	820	8.5	23.0	110	0	.0	.0	27

372645081521539 - Y13.0PANTHER CR NR PANTHER WV LAT 37 26 45 LONG 081 52 15

MAY , 1979										
11...	1315	28	120	8.2	20.0	29	5	.0	.0	6.9
SEP										
11...	1545	.65	600	8.3	22.5	60	0	.0	.0	15

374148082110239 - Y14.0PIGEON CR @ U S 52 BR @ DELBARTON WV LAT 37 41 48 LONG 082 11 02

MAY , 1979										
11...	1530	14	300	8.8	25.0	85	67	.0	.0	19
SEP										
12...	1810	3.4	440	7.9	24.0	140	120	.0	.0	33

374219082101739 - Y15.0ROCKHOUSE FK @ HWY 65/2 BR @ DELBARTON WV LAT 37 42 19 LONG 082 10 17

MAY , 1979										
11...	1615	12	1320	7.6	27.0	110	74	.0	.0	27
SEP										
13...	0910	5.1	730	6.8	18.0	170	110	.0	.0	43

374713082154439 - Y16.0PIGEON CR NR LENORE WV LAT 37 47 13 LONG 082 15 44

MAY , 1979										
11...	1715	73	560	8.6	24.0	85	26	.0	.0	21
SEP										
13...	1015	35	650	7.6	20.5	130	4	.0	.0	34

374753082171039 - Y17.0LAUREL FK @ HWY 65 BR @ LENORE WV LAT 37 47 53 LONG 082 17 10

MAY , 1979										
11...	1840	26	80	7.8	24.0	26	15	.0	.0	5.8
SEP										
13...	1100	2.9	130	7.0	20.5	44	11	.0	.0	11

375132082230239 - Y18.0MARROWBONE CR @ PRIVATE BR @ SELWYN WV LAT 37 51 32 LONG 082 23 02

MAY , 1979										
11...	2030	13	66	7.4	24.0	22	14	.0	.0	5.2
SEP										
13...	1220	2.5	90	6.9	21.5	35	11	.0	.0	8.8

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	--	---	---	---	--	---

BIG SANDY RIVER BASIN--Continued

371643081373839 - Y10.0JACOBS FK @ HWY 16 BR @ CUCUMBER WV LAT 37 16 43 LONG 081 37 38

MAY , 1979									
10...	12	--	--	190	--	120	6.0	368	.50
SEP									
10...	8.9	240	11	410	1.6	170	25	686	.93

371724081390839 - Y11.0BIG CR @ HWY 16 BR NR RIFT WV LAT 37 17 24 LONG 081 39 08

MAY , 1979									
10...	15	--	--	60	--	82	1.1	208	.28
SEP									
10...	18	20	.7	103	3.0	100	2.4	245	.33

372532081472239 - Y12.0DRY FK NR AVONDALE WV LAT 37 25 32 LONG 081 47 22

MAY , 1979									
11...	9.9	--	--	130	--	76	6.1	240	.33
SEP									
11...	11	130	5.3	290	1.8	96	15	325	.44

372645081521539 - Y13.0PANTHER CR NR PANTHER WV LAT 37 26 45 LONG 081 52 15

MAY , 1979									
11...	2.8	--	--	24	--	23	1.7	77	.10
SEP									
11...	5.5	94	5.3	160	1.6	110	3.5	334	.45

374148082110239 - Y14.0PIGEON CR @ U S 52 BR @ DELBARTON WV LAT 37 41 48 LONG 082 11 02

MAY , 1979									
11...	9.1	--	--	18	--	90	4.5	173	.24
SEP									
12...	15	36	1.3	33	.7	170	7.2	276	.38

374219082101739 - Y15.0ROCKHOUSE FK @ HWY 65/2 BR @ DELBARTON WV LAT 37 42 19 LONG 082 10 17

MAY , 1979									
11...	11	--	--	39	--	150	4.4	283	.38
SEP									
13...	16	71	2.3	59	18	250	7.9	448	.61

374713082154439 - Y16.0PIGEON CR NR LENORE WV LAT 37 47 13 LONG 082 15 44

MAY , 1979									
11...	8.0	--	--	59	--	85	5.2	205	.28
SEP									
13...	12	77	2.9	130	6.4	150	9.7	370	.50

374753082171039 - Y17.0LAUREL FK @ HWY 65 BR @ LENORE WV LAT 37 47 53 LONG 082 17 10

MAY , 1979									
11...	2.7	--	--	11	--	14	1.7	52	.07
SEP									
13...	4.0	6.7	.4	33	6.4	14	4.9	55	.07

375132082230239 - Y18.0MARROWBONE CR @ PRIVATE BR @ SELWYN WV LAT 37 51 32 LONG 082 23 02

MAY , 1979									
11...	2.3	--	--	8	--	13	2.6	50	.07
SEP									
13...	3.2	4.2	.3	30	5.9	10	3.7	51	.07

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	---	--

BIG SANDY RIVER BASIN--Continued

371643081373839 - Y10.0JACOBS FK @ HWY 16 BR @ CUCUMBER WV LAT 37 16 43 LONG 081 37 38

MAY , 1979									
10...	43.7	--	--	--	--	--	200	170	30
SEP									
10...	18.5	0	<10	10	10	20	230	--	20

371724081390839 - Y11.0BIG CR @ HWY 16 BR NR RIFT WV LAT 37 17 24 LONG 081 39 08

MAY , 1979									
10...	21.3	--	--	--	--	--	270	240	30
SEP									
10...	1.52	0	<10	<10	10	<10	450	--	10

372532081472239 - Y12.0DRY FK NR AVONDALE WV LAT 37 25 32 LONG 081 47 22

MAY , 1979									
11...	199	--	--	--	--	--	250	210	40
SEP									
11...	47.4	0	<10	<10	<10	20	300	--	30

372645081521539 - Y13.0PANTHER CR NR PANTHER WV LAT 37 26 45 LONG 081 52 15

MAY , 1979									
11...	5.82	--	--	--	--	--	340	280	60
SEP									
11...	.59	0	<10	<10	<10	<10	460	--	90

374148082110239 - Y14.0PIGEON CR @ U S 52 BR @ DELBARTON WV LAT 37 41 48 LONG 082 11 02

MAY , 1979									
11...	6.54	--	--	--	--	--	340	280	60
SEP									
12...	2.53	0	<10	<10	10	<10	150	--	40

374219082101739 - Y15.0ROCKHOUSE FK @ HWY 65/2 BR @ DELBARTON WV LAT 37 42 19 LONG 082 10 17

MAY , 1979									
11...	9.17	--	--	--	--	--	2100	2100	50
SEP									
13...	6.17	0	<10	<10	<10	20	3800	--	510

374713082154439 - Y16.0PIGEON CR NR LENORE WV LAT 37 47 13 LONG 082 15 44

MAY , 1979									
11...	40.4	--	--	--	--	--	440	300	140
SEP									
13...	35.0	0	<10	<10	<10	<10	380	--	50

374753082171039 - Y17.0LAUREL FK @ HWY 65 BR @ LENORE WV LAT 37 47 53 LONG 082 17 10

MAY , 1979									
11...	3.65	--	--	--	--	--	330	180	150
SEP									
13...	.43	0	<10	<10	<10	<10	570	--	160

375132082230239 - Y18.0MARROWBONE CR @ PRIVATE BR @ SELWYN WV LAT 37 51 32 LONG 082 23 02

MAY , 1979									
11...	1.76	--	--	--	--	--	400	260	140
SEP									
13...	.34	0	<10	<10	<10	<10	880	--	380

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	---	--	---	--

BIG SANDY RIVER BASIN--Continued

371643081373839 - Y10.0JACOBS FK @ HWY 16 BR @ CUCUMBER WV LAT 37 16 43 LONG 081 37 38

MAY , 1979									
10...	--	--	20	10	10	--	--	--	--
SEP									
10...	30	21000	20	20	4	390	.00	0	80

371724081390839 - Y11.0BIG CR @ HWY 16 BR NR RIFT WV LAT 37 17 24 LONG 081 39 08

MAY , 1979									
10...	--	--	20	0	20	--	--	--	--
SEP									
10...	<10	9900	50	20	30	330	.00	0	20

372532081472239 - Y12.0DRY FK NR AVONDALE WV LAT 37 25 32 LONG 081 47 22

MAY , 1979									
11...	--	--	30	0	30	--	--	--	--
SEP									
11...	<10	15000	30	20	10	210	.00	0	40

372645081521539 - Y13.0PANTHER CR NR PANTHER WV LAT 37 26 45 LONG 081 52 15

MAY , 1979									
11...	--	--	10	0	10	--	--	--	--
SEP									
11...	<10	9900	40	30	10	250	.00	0	30

374148082110239 - Y14.0PIGEON CR @ U S 52 BR @ DELBARTON WV LAT 37 41 48 LONG 082 11 02

MAY , 1979									
11...	--	--	80	10	70	--	--	--	--
SEP									
12...	10	9700	80	10	70	240	.00	0	30

374219082101739 - Y15.0ROCKHOUSE FK @ HWY 65/2 BR @ DELBARTON WV LAT 37 42 19 LONG 082 10 17

MAY , 1979									
11...	--	--	410	30	380	--	--	--	--
SEP									
13...	10	18000	690	20	670	290	.00	0	50

374713082154439 - Y16.0PIGEON CR NR LENORE WV LAT 37 47 13 LONG 082 15 44

MAY , 1979									
11...	--	--	60	0	70	--	--	--	--
SEP									
13...	10	6600	50	10	40	260	.00	0	20

374753082171039 - Y17.0LAUREL FK @ HWY 65 BR @ LENORE WV LAT 37 47 53 LONG 082 17 10

MAY , 1979									
11...	--	--	20	0	20	--	--	--	--
SEP									
13...	<10	3300	50	10	40	170	.00	0	10

375132082230239 - Y18.0MARROWBONE CR @ PRIVATE BR @ SELWYN WV LAT 37 51 32 LONG 082 23 02

MAY , 1979									
11...	--	--	30	0	40	--	--	--	--
SEP									
13...	<10	5700	110	20	90	80	.00	0	10

OHIO RIVER BASIN

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
BIG SANDY RIVER BASIN--Continued										
380020082305339 - Y19.0TUG FK @ GLENHAYES WV LAT 38 00 20 LONG 082 30 53										
SEP , 1979										
13...	1400	450	640	7.5	23.0	170	40	.0	.0	40
380602082340239 - Y20.0MILL CR @ U S 52 BR NR SALT PETRE WV LAT 38 06 02 LONG 082 34 02										
MAY , 1979										
12...	0945	12	120	6.5	20.5	40	23	.0	.0	10
SEP										
13...	1500	2.4	146	6.8	21.5	61	23	.0	.0	16
381758082323039 - Y21.0WHITES CR @ HWY 19 BR NR CYRUS WV LAT 38 17 58 LONG 082 32 30										
MAY , 1979										
12...	1130	3.0	230	7.1	23.0	88	29	.0	.0	25
SEP										
13...	1700	.91	260	6.9	22.5	110	23	.0	.0	31

OHIO RIVER BASIN

193

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINEITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
------	--	--	---	---	---	---	---	--	---

BIG SANDY RIVER BASIN--Continued

380020082305339 - Y19.0TUG FK @ GLENHAYES WV LAT 38 00 20 LONG 082 30 53

SEP , 1979									
13...	17	66	2.2	130	8.0	130	25	350	.48

380602082340239 - Y20.0MILL CR @ U S 52 BR NR SALT PETRE WV LAT 38 06 02 LONG 082 34 02

MAY , 1979									
12...	3.7	--	--	17	--	23	3.4	79	.11
SEP									
13...	5.2	4.9	.3	45	12	22	5.0	79	.11

381758082323039 - Y21.0WHITES CR @ HWY 19 BR NR CYRUS WV LAT 38 17 58 LONG 082 32 30

MAY , 1979									
12...	6.1	--	--	59	--	38	5.8	143	.19
SEP									
13...	6.7	8.3	.4	89	20	24	7.5	130	.18

OHIO RIVER BASIN

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
------	---	---	--	--	--	--	---	---	--

BIG SANDY RIVER BASIN--Continued

380020082305339 - Y19.0TUG FK @ GLENHAYES WV LAT 38 00 20 LONG 082 30 53

SEP , 1979									
13...	425	0	<10	<10	20	<10	40	--	10

380602082340239 - Y20.0MILL CR @ U S 52 BR NR SALT PETRE WV LAT 38 06 02 LONG 082 34 02

MAY , 1979									
12...	2.56	--	--	--	--	--	1000	920	80
SEP									
13...	.51	0	<10	<10	10	<10	1600	--	550

381758082323039 - Y21.0WHITES CR @ HWY 19 BR NR CYRUS WV LAT 38 17 58 LONG 082 32 30

MAY , 1979									
12...	1.16	--	--	--	--	--	610	520	90
SEP									
13...	.32	0	<10	<10	10	<10	1100	--	110

OHIO RIVER BASIN

195

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL FM BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
------	--	--	---	---	--	---	--	---	--

BIG SANDY RIVER BASIN--Continued

380020082305339 - Y19.0TUG FK @ GLENHAYES WV LAT 38 00 20 LONG 082 30 53

SEP , 1979									
13...	<10	5600	20	10	10	720	.00	0	30

380602082340239 - Y20.0MILL CR @ U S 52 BR NR SALT PETRE WV LAT 38 06 02 LONG 082 34 02

MAY , 1979									
12...	--	--	140	10	130	--	--	--	--
SEP									
13...	10	15000	350	0	350	440	.00	0	40

381758082323039 - Y21.0WHITES CR @ HWY 19 BR NR CYRUS WV LAT 38 17 58 LONG 082 32 30

MAY , 1979									
12...	--	--	150	20	130	--	--	--	--
SEP									
13...	10	10000	240	10	230	280	.00	0	20

ANALYSES OF SAMPLES--MINING EFFECTS RESEARCH PROJECT

The data in this section of the appendix were collected and analyzed as part of an interpretive study to determine the effects of deep and surface coal mining on the hydrologic environment of small stream basins in southern West Virginia. The study was funded cooperatively by the West Virginia Geological and Economic Survey and the U.S. Geological Survey. These data were collected primarily from five small stream basins near the headwaters of the Guyandotte River, in the southern West Virginia coal fields. The data include chemical analyses of stream, well, mine shaft, and coal mine discharge waters, collected intermittently from February 1976 through January 1980. Daily water level measurements in observation wells and abandoned vertical mine shafts are also included. Other hydrologic data including daily figures for discharge, specific conductance, pH, water temperature, turbidity, suspended sediment and miscellaneous chemical analyses for basin outflow stations are published in U.S. Geological Survey Water-Data Reports WV-78-1 and WV-79-1.

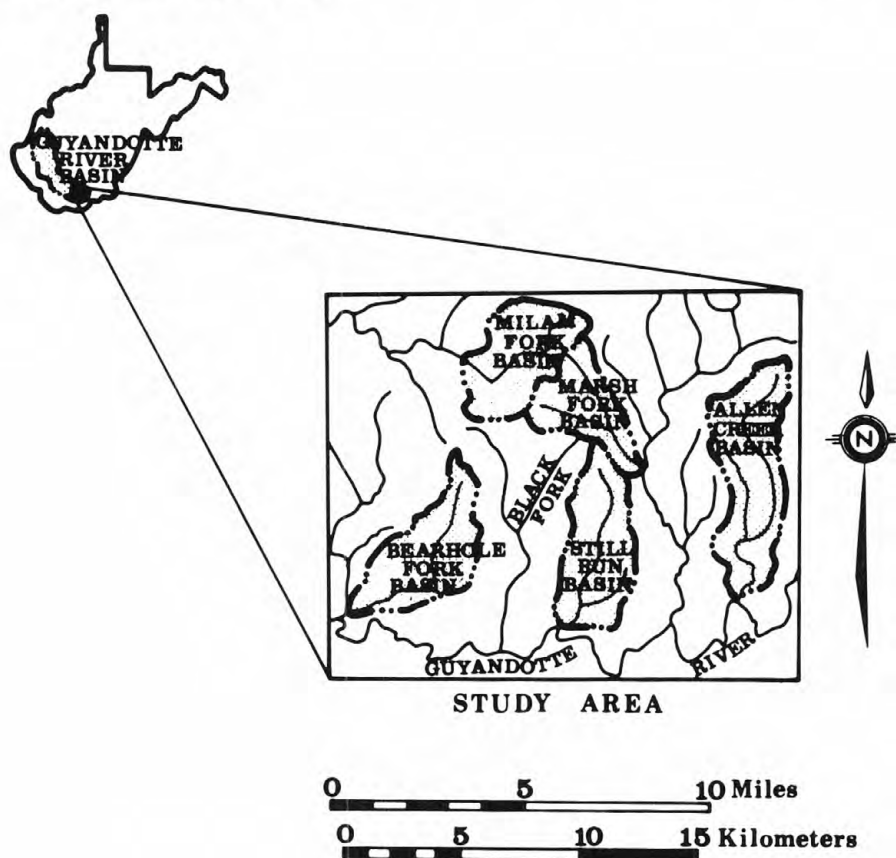


FIGURE 10.--MAP SHOWING LOCATION OF SITES IN MINING EFFECTS RESEARCH PROJECT

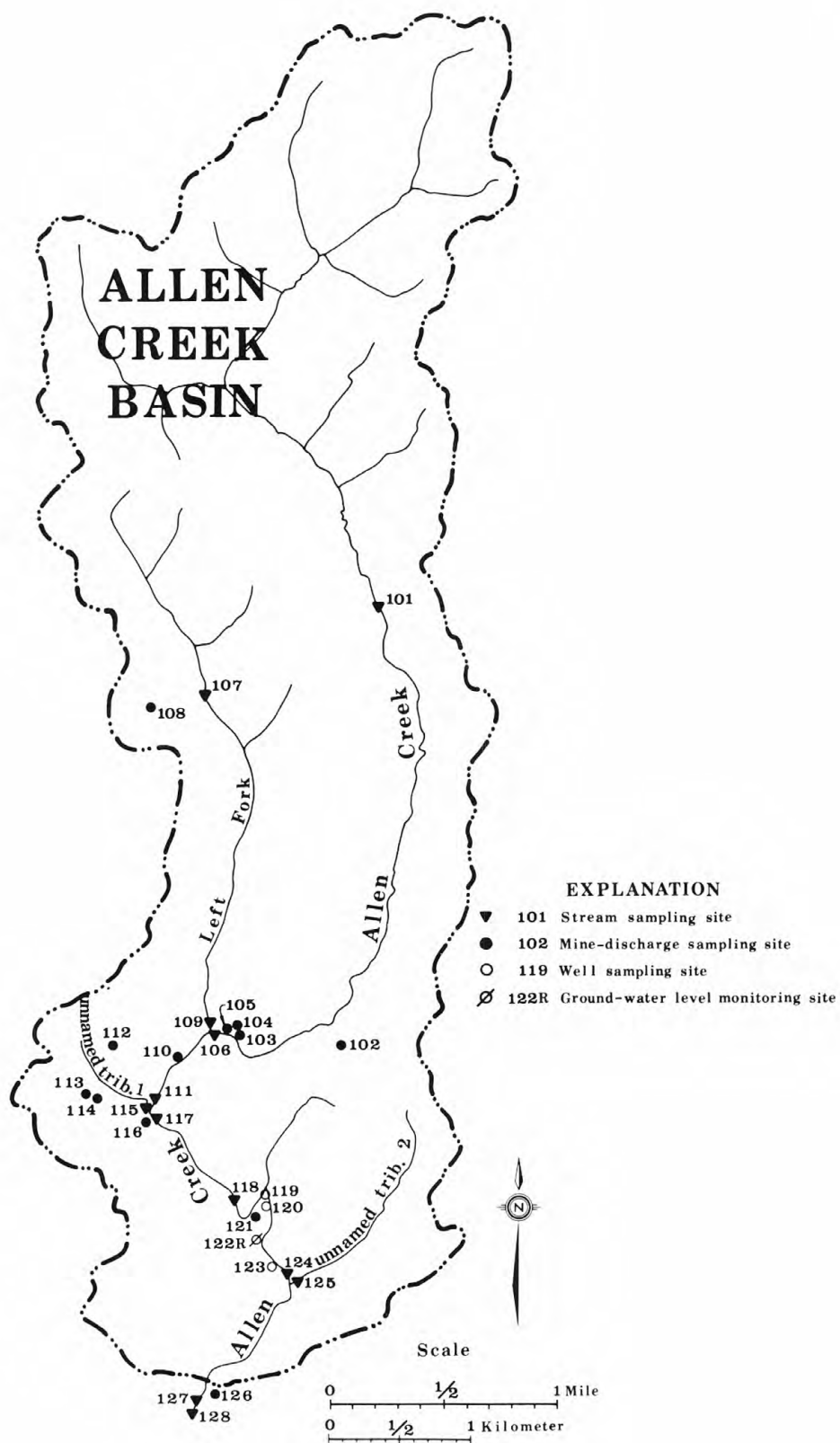


FIGURE 11.--LOCATION OF SAMPLING SITES
IN THE ALLEN CREEK BASIN

ALLEN CREEK BASIN
STREAM SAMPLING SITES

SITE NUMBER	DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CaCO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)
101	373827081200301 - ALLEN CREEK 2.8 MILES ABOVE MOUTH OF LEFT FORK LAT 37 38 27 LONG 081 20 03											
	OCT . 1979											
	26...	1220	.08	230	6.8	8.5	--	76	38	14	10	8.5
106	373649081204901 - ALLEN CREEK ABOVE LEFT FORK LAT 37 36 49 LONG 081 20 49.01)											
	SEP . 1978											
	22...	1440	.78	590	7.4	22.0	--	110	0	27	9.2	110
	OCT . 1979											
	23...	0935	1.7	310	7.3	13.0	--	82	0	20	7.9	56
107	373807081205401 - LEFT FORK ALLEN CREEK 2 MILES ABOVE MOUTH LAT 37 38 07 LONG 081 20 54											
	OCT . 1979											
	25...	1745	.16	90	6.8	9.0	--	33	8	6.1	4.2	4.2
109	373650081205401 - LEFT FORK ALLEN CREEK @ MOUTH LAT 37 36 50 LONG 081 20 54											
	SEP . 1978											
	22...	--	.00	220	7.0	--	--	--	--	--	--	--
	OCT . 1979											
	23...	0820	.60	185	6.8	13.0	--	79	69	15	10	3.5
111	373632081210901 - ALLEN CREEK ABOVE UNNAMED TRIBUTARY 1 LAT 37 36 32 LONG 081 21 09											
	OCT . 1979											
	22...	1915	2.6	310	7.5	15.0	--	95	0	20	8.4	45
115	373632081211001 - MOUTH OF UNNAMED TRIB 1 TO ALLEN CREEK LAT 37 36 32 LONG 081 21 10											
	OCT . 1979											
	22...	1820	.17	625	7.9	16.0	--	150	0	34	15	100
117	373629081210801 - ALLEN CREEK BELOW UNNAMED TRIB 1 LAT 37 36 29 LONG 081 21 08											
	SEP . 1978											
	22...	1110	--	490	7.5	20.0	--	--	--	--	--	--
118	373612081204501 - ALLEN CREEK ABOVE WYCO, WV LAT 37 36 12 LONG 081 20 45											
	MAR . 1977											
	14...	1625	--	330	7.4	14.0	--	--	--	--	--	--
	SEP . 1978											
	22...	1100	--	490	7.5	20.5	--	--	--	--	--	--
	OCT . 1979											
	22...	1800	2.4	360	6.9	16.5	--	86	0	20	8.7	42
124	373553081203001 - ALLEN CREEK ABOVE UNNAMED TRIBUTARY 2 LAT 37 35 53 LONG 081 20 30											
	OCT . 1979											
	22...	1610	2.6	470	7.6	17.5	--	92	0	18	8.9	43

ALLEN CREEK BASIN

199

STREAM SAMPLING SITES--Continued

SITE NUMBER	DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	CARRON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
101	373827081200301 - ALLEN CREEK 2.8 MILES ABOVE MOUTH OF LEFT FORK LAT 37 38 27 LONG 081 20 03										
	OCT . 1979 26...	1.7	--	--	38	--	56	.6	.1	7.8	130
106	373649081204901 - ALLEN CREEK ABOVE LEFT FORK LAT 37 36 49 LONG 081 20 49										
	SEP . 1978 22...	2.6	--	--	230	--	100	2.6	.1	9.6	408
	OCT . 1979 23...	2.1	--	--	110	--	63	1.1	.1	8.9	217
107	373807081205401 - LEFT FORK ALLEN CREEK 2 MILES ABOVE MOUTH LAT 37 38 07 LONG 081 20 54										
	OCT . 1979 25...	1.5	--	--	25	--	17	.6	.1	7.0	59
109	373650081205401 - LEFT FORK ALLEN CREEK @ MOUTH LAT 37 36 50 LONG 081 20 54										
	SEP . 1978 22...	--	--	--	--	--	--	--	--	--	--
	OCT . 1979 23...	2.3	--	--	10	--	68	.7	.1	7.5	131
111	373632081210901 - ALLEN CREEK ABOVE UNNAMED TRIBUTARY 1 LAT 37 36 32 LONG 081 21 09										
	OCT . 1979 22...	2.1	--	--	110	--	60	1.1	.1	9.0	439
115	373632081211001 - MOUTH OF UNNAMED TRIB 1 TO ALLEN CREEK LAT 37 36 32 LONG 081 21 10										
	OCT . 1979 22...	2.4	--	--	170	--	180	1.0	.2	8.3	313
117	373629081210801 - ALLEN CREEK BELOW UNNAMED TRIB 1 LAT 37 36 29 LONG 081 21 08										
	SEP . 1978 22...	--	--	--	--	--	--	--	--	--	--
118	373612081204501 - ALLEN CREEK ABOVE WYCO, WV LAT 37 36 12 LONG 081 20 45										
	MAR . 1977 14...	--	--	--	--	--	--	--	--	--	--
	SEP . 1978 22...	--	--	--	--	--	--	--	--	--	--
	OCT . 1979 22...	2.1	--	--	97	--	67	1.0	.1	8.4	214
124	373553081203001 - ALLEN CREEK ABOVE UNNAMED TRIBUTARY 2 LAT 37 35 53 LONG 081 20 30										
	OCT . 1979 22...	2.4	--	--	93	--	72	1.1	.1	8.1	213

[illegible]

ALLEN CREEK BASIN

STREAM SAMPLING SITES--Continued

SITE NUMBER	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)
125	373552081202901 - MOUTH OF UNNAMED TRIB 2 TO ALLEN CREEK LAT 37 35 52 LONG 081 20 29											
	OCT . 1979 22...	1515	.01	340	4.1	15.0	--	150	140	31	18	10
127	373527081205401 - ALLEN CREEK .1 MILE ABOVE MOUTH LAT 37 35 27 LONG 081 20 54											
	MAY . 1976 24...	1215	2.2	625	8.1	15.0	9.6	150	11	34	15	65
	SEP . 1978 22...	1030	--	450	7.1	19.5	--	--	--	--	--	--
128	373522081205701 - ALLEN CREEK @ MOUTH LAT 37 35 22 LONG 081 20 57											
	OCT . 1979 22...	1250	3.3	425	7.6	14.0	--	150	60	34	16	50

ALLEN CREEK BASIN

203

STREAM SAMPLING SITES--Continued

SITE NUMBER	DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
125	373552081202901 - MOUTH OF UNNAMED TRIB 2 TO ALLEN CREEK LAT 37 35 52 LONG 081 20 29										
	OCT , 1979 22...	3.2	--	--	7	--	200	1.1	.2	23	326
127	373527081205401 - ALLEN CREEK .1 MILE ABOVE MOUTH LAT 37 35 27 LONG 081 20 54										
	MAY , 1976 24...	3.6	166	0	136	2.1	150	2.1	--	9.2	--
	SEP , 1978 22...	--	--	--	--	--	--	--	--	--	--
128	373522081205701 - ALLEN CREEK @ MOUTH LAT 37 35 22 LONG 081 20 57										
	OCT , 1979 22...	3.9	--	--	91	--	140	1.7	.1	9.7	312

SITE NUMBER	DATE	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS P04)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
----------------	------	--	---	---	---	---	---	--	--	--	--

OCT , 1979										
22...	291	.01	--	--	--	--	--	--	--	--

[illegible]

OCT - 1979										
22...	310	2.78	--	--	--	--	--	--	--	--

ALLEN CREEK BASIN
MINE-DISCHARGE SAMPLING SITES

SITE NUMBER	STATION NUMBER	DATE OF SAMPLE	TIME	FLOW, INSTAN- TANEOUS (CFS)	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)
102	373645081201201	78-09-22	1300	.02	590	7.1	20.0	350	270	--	31	24
		79-10-25	1245	.04	375	6.8	11.0	150	62	40	11	13
103	373650081204301	79-10-25	1300	.33	400	6.6	13.0	140	49	41	8.9	24
104	373649081204301	79-10-25	1250	.30	340	7.2	13.0	79	0	24	4.7	34
105	373650081204601	79-10-26	1330	.05	675	7.7	11.0	130	0	38	9.0	79
108	373805081210901	78-09-22	--	<.01	660	3.6	17.0	--	--	--	--	--
		79-10-26	1415	.02	900	4.3	11.0	430	430	92	49	8.3
110	373645081210101	79-10-25	1645	.04	550	6.6	11.5	220	0	71	9.8	31
112	373641081212401	79-10-26	0945	.01	2000	3.0	7.0	850	840	220	72	11
113	373637081212401	79-10-25	1115	.01	400	6.9	7.0	170	110	48	12	7.1
114	373636081212201	79-10-25	1045	.03	740	7.1	12.0	150	0	39	13	91
116	373629081211001	78-09-22	--	.02	490	6.6	12.0	--	--	--	--	--
		79-10-25	1100	.05	650	6.9	11.5	250	85	74	17	26
121	373607081203901	79-10-25	1215	.12	550	6.4	10.5	200	140	50	18	22
126	373525081205401	78-04-05	1815	--	832	8.0	--	300	170	--	33	60
		78-09-22	--	--	450	6.5	--	--	--	--	--	--
		78-09-22	1030	.02	775	7.5	19.0	--	--	--	--	--
		79-10-25	0945	.19	1050	7.9	17.0	400	290	88	43	67

ALLEN CREEK BASIN
MINE-DISCHARGE SAMPLING SITES--Continued

SITE NUMBER	STATION NUMBER	DATE OF SAMPLE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINEITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER DAY)
102	373645081201201	78-09-22	2.5	78	--	290	1.7	.1	10	555	496	--
		79-10-25	1.6	83	26	88	.7	.2	11	235	215	.03
103	373650081204301	79-10-25	3.9	90	44	84	.8	.1	12	236	229	.21
104	373649081204301	79-10-25	1.7	120	15	38	1.0	.2	12	198	188	.16
105	373650081204601	79-10-26	3.0	250	9.7	89	2.2	.2	12	404	383	.05
108	373805081210901	78-09-22	--	--	--	--	--	--	--	--	--	--
		79-10-26	1.9	0	.0	460	.5	.3	14	692	626	.04
110	373645081210101	79-10-25	3.6	250	123	32	1.3	.1	14	311	313	.03
112	373641081212401	79-10-26	4.2	2	3900	880	.4	.3	37	1650	1230	.04
113	373637081212401	79-10-25	3.1	58	14	120	.9	.1	11	253	237	.01
114	373636081212201	79-10-25	2.5	180	28	190	1.0	.2	8.3	473	453	.04
116	373629081211001	78-09-22	--	--	--	--	--	--	--	--	--	--
		79-10-25	3.2	170	42	150	1.6	.1	16	412	390	.06
121	373607081203901	79-10-25	4.8	61	47	180	1.4	.1	9.2	345	322	.11
126	373525081205401	78-04-05	6.6	120	2.4	310	2.9	.2	13	584	564	--
		78-09-22	--	--	--	--	--	--	--	--	--	--
		78-09-22	--	--	--	--	--	--	--	--	--	--
		79-10-25	8.2	110	2.7	380	3.8	.2	14	780	670	.40

ALLEN CREEK BASIN
WELL SAMPLING SITES

SITE NUMBER	STATION NUMBER	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)
119	373613081203601	76-10-15	--	37	--	--	--	--	--	--	--	--
		78-05-03	1515	37	250	6.3	12.0	78	54	19	7.3	16
120	373611081203501	78-05-04	1430	40	350	6.4	12.5	77	40	20	6.5	21
122R	373602081203901	78-06-10	1615	48	360	6.2	12.0	--	--	--	--	22
123	373556081203301	78-05-22	1140	28	590	6.6	14.0	150	110	35	15	1.3
		79-08-09	1330	28	495	6.5	15.0	140	89	34	13	27

SITE NUMBER	STATION NUMBER	DATE OF SAMPLE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
119	373613081203601	76-10-15	--	--	--	--	--	--	--	--	--
		78-05-03	2.1	29	24	23	72	6.2	--	9.7	--
120	373611081203501	78-05-04	1.9	45	37	29	76	8.8	--	10	--
122R	373602081203901	78-06-10	2.1	16	13	16	98	5.6	--	8.9	--
123	373556081203301	78-05-22	3.3	44	36	18	140	9.6	--	7.6	--
		79-08-09	3.2	--	49	30	130	7.1	.1	12	279

SITE NUMBER	STATION NUMBER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
119	373613081203601	76-10-15	--	--	--
		78-05-03	155	7700	660
120	373611081203501	78-05-04	177	10000	570
122R	373602081203901	78-06-10	--	11000	1400
123	373556081203301	78-05-22	254	19000	1300
		79-08-09	256	--	--

ALLEN CREEK BASIN

209

GROUND-WATER LEVEL MONITORING SITES

STATION NUMBER 373602081203901 LOCAL NUMBER 122R
 LATITUDE 373602 LONGITUDE 0812039 WELL DEPTH 48 FEET

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
 INSTANTANEOUS OBSERVATIONS AT 1200

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									---	15.61	16.21	34.51
2									---	15.56	16.85	33.57
3									---	15.46	16.51	31.34
4									---	36.54	15.65	30.41
5									---	35.87	15.54	30.12
6									---	33.22	15.43	29.66
7									---	32.97	15.46	29.65
8									---	30.03	15.53	28.21
9									---	28.84	15.61	28.51
10									---	28.62	15.60	31.18
11									---	26.64	15.60	26.94
12									---	25.16	15.78	24.97
13									---	25.60	16.64	26.88
14									---	24.97	36.26	26.28
15									21.28	22.70	35.78	24.61
16									17.70	21.45	34.43	25.02
17									17.54	21.93	33.84	24.17
18									16.70	23.46	32.82	23.98
19									15.80	19.45	32.95	24.61
20									15.60	18.02	33.18	24.16
21									15.48	16.50	32.55	23.26
22									15.51	19.59	32.52	23.57
23									15.46	15.84	32.46	23.18
24									15.54	15.57	32.54	20.91
25									15.83	15.53	31.67	21.82
26									16.39	15.61	32.11	24.60
27									15.52	15.67	31.57	20.67
28									15.68	16.50	31.29	19.09
29									16.31	16.34	31.13	25.02
30									15.49	15.72	29.41	21.61
31									---	15.61	28.96	---
MEAN									16.36	21.95	25.54	26.08
WTR YR 1978	MEAN	23.30		HIGH	15.43		LOW	36.54				

ALLEN CREEK BASIN

GROUND-WATER LEVEL MONITORING SITES--Continued

STATION NUMBER 373602081203901 LOCAL NUMBER 122R
 LATITUDE 373602 LONGITUDE 0812039 WELL DEPTH 48 FEET

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
 INSTANTANEOUS OBSERVATIONS AT 1200

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.84	16.11	15.48	13.68	---	---	33.56	---	30.60	29.69	35.92	36.69
2	17.07	16.12	15.50	13.57	---	---	33.66	---	31.38	35.77	36.93	36.55
3	17.60	16.04	15.32	13.82	---	---	33.65	---	30.18	35.19	37.01	36.61
4	17.29	15.93	14.96	13.78	---	---	33.20	---	30.34	34.60	36.39	36.62
5	16.45	16.43	14.90	13.68	---	33.33	33.47	---	35.75	34.12	36.29	36.15
6	16.10	16.19	15.04	13.65	---	32.79	33.35	---	35.19	33.18	36.10	36.55
7	16.50	15.95	14.42	13.48	35.35	32.40	32.88	---	34.81	33.19	36.10	36.94
8	17.01	16.71	14.18	13.45	---	32.29	32.58	---	35.40	32.22	36.09	36.86
9	16.60	16.10	13.95	13.46	---	33.95	32.76	---	34.77	32.07	36.07	36.79
10	16.34	16.88	14.07	---	---	33.42	32.77	---	34.25	32.35	36.06	36.57
11	15.71	17.27	13.98	---	---	32.56	32.38	---	34.46	31.03	36.08	36.45
12	15.64	16.24	13.94	---	---	32.24	32.01	---	35.14	29.86	36.13	36.61
13	15.69	16.21	13.84	---	---	31.99	31.65	---	34.25	36.35	36.13	36.43
14	16.22	16.69	14.10	---	---	33.24	32.49	---	34.11	36.15	35.98	36.93
15	16.44	16.45	14.06	---	---	32.96	31.80	---	33.92	36.07	35.90	36.66
16	16.14	16.41	14.15	---	---	32.57	31.89	---	33.73	36.09	36.06	36.43
17	17.60	15.95	14.36	---	---	34.44	32.22	---	34.42	36.01	36.08	36.24
18	16.30	16.99	15.56	---	---	34.45	32.17	---	33.84	36.04	35.98	36.31
19	15.63	16.74	15.67	---	---	34.31	31.69	---	33.52	35.99	36.22	36.40
20	16.00	16.74	15.64	---	---	34.22	33.87	---	32.48	36.10	36.20	36.51
21	15.99	16.30	15.60	---	---	34.23	33.18	---	34.70	36.15	35.97	35.88
22	16.26	16.16	15.28	---	---	34.26	32.76	33.38	33.07	36.19	35.98	36.81
23	15.92	15.82	14.35	---	---	34.21	33.38	31.98	32.08	36.19	36.17	36.57
24	16.38	16.19	13.89	---	---	34.01	32.65	31.93	31.78	36.17	35.98	36.16
25	15.81	16.79	13.98	---	---	34.46	31.76	31.27	31.38	36.26	36.35	35.90
26	16.04	16.20	13.73	---	---	34.46	31.91	31.66	30.19	36.23	36.41	35.79
27	17.33	15.77	14.24	---	---	34.08	33.83	32.76	31.71	36.11	36.18	35.82
28	16.29	16.50	14.11	---	---	33.77	32.52	30.87	30.86	35.86	36.08	35.49
29	16.42	15.64	14.17	---	---	33.64	31.75	33.94	30.71	35.96	35.98	35.51
30	17.02	15.55	14.17	---	---	33.48	34.73	32.78	30.51	35.97	36.14	37.15
31	15.94	---	14.03	---	---	33.48	---	31.48	---	35.92	36.10	---
MEAN	16.47	16.30	14.54	13.62	35.35	33.53	32.75	32.21	32.98	34.81	36.16	36.41
WTR YR 1979	MEAN	27.84	HIGH	13.45	LOW	37.15						

ALLEN CREEK BASIN

211

GROUND-WATER LEVEL MONITORING SITES--Continued

STATION NUMBER 373602081203901 LOCAL NUMBER 122R
 LATITUDE 373602 LONGITUDE 0812039 WELL DEPTH 48 FEET

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
 INSTANTANEOUS OBSERVATIONS AT 1200

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37.10	35.47										
2	36.84	34.03										
3	37.12	32.99										
4	36.61	32.06										
5	36.52	37.55										
6	36.43	36.84										
7	36.41	36.79										
8	36.95	36.50										
9	36.64	36.42										
10	36.46	36.80										
11	36.40	36.72										
12	36.16	36.61										
13	36.57	36.45										
14	36.17	36.56										
15	35.90	36.49										
16	36.21	36.80										
17	36.51	36.61										
18	36.17	36.65										
19	36.07	36.82										
20	35.95	36.89										
21	34.72	37.37										
22	34.38	37.34										
23	34.99	37.16										
24	34.37	37.47										
25	33.73	37.14										
26	34.08	37.33										
27	33.32	37.19										
28	33.15	37.05										
29	33.10	36.94										
30	32.87	37.05										
31	34.86	---										
MEAN	35.57	36.47										
WTR YR 1980	MEAN	36.01			HIGH	32.06		LOW	37.55			

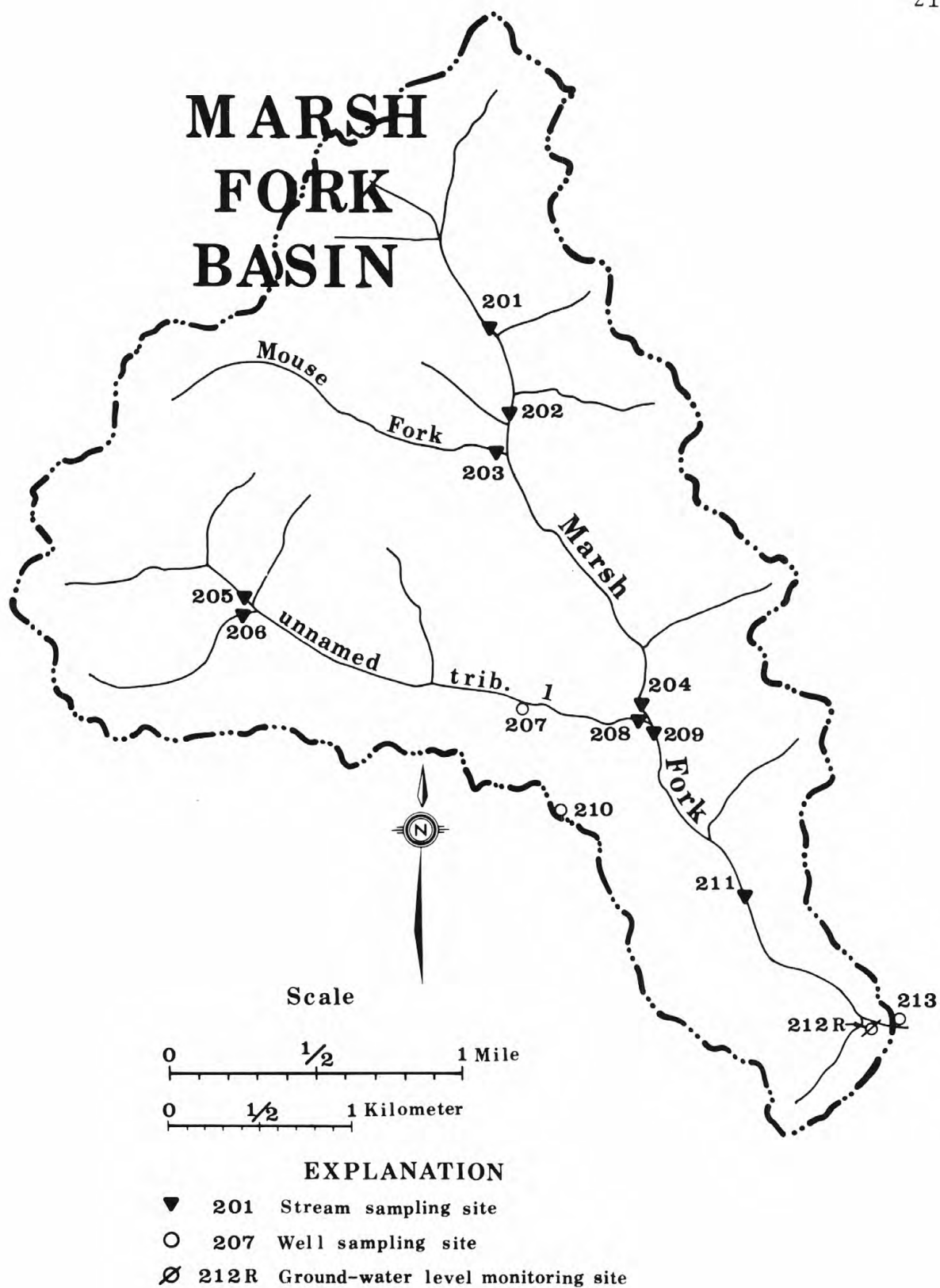


FIGURE 12.--LOCATION OF SAMPLING SITES
IN THE MARSH FORK BASIN

MARSH FORK BASIN
STREAM SAMPLING SITES

SITE NUMBER	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
201	374021081251001 - MARSH FORK NEAR POLK GAP LAT 37 40 21 LONG 081 25 10											
	NOV , 1976											
	05...	0910	--	<50	--	4.5	--	--	--	--	--	--
202	374010041250601 - MARSH FORK ABOVE MOUSE FORK LAT 37 40 10 LONG 081 25 06											
	MAY , 1977											
	26...	1015	--	70	7.2	15.5	--	--	--	--	--	--
	JUL											
	12...	0815	.02	110	6.4	17.5	--	71.0	34	0	7.7	3.6
	SEP , 1978											
	12...	1600	.10	93	6.2	17.0	65	--	--	--	--	--
	OCT , 1979											
	22...	1845	.20	57	--	13.5	--	--	19	12	4.1	2.2
203	374000081251001 - MOUSE FORK @ MOUTH LAT 37 40 00 LONG 081 25 10											
	MAY , 1977											
	26...	1045	--	60	7.6	17.0	--	--	--	--	--	--
	JUL											
	12...	0945	.07	90	7.0	19.0	--	7.8	--	--	--	--
	OCT , 1979											
	22...	2000	.30	47	6.5	14.0	--	--	15	3	3.3	1.7
204	373916081243901 - MARSH FORK ABOVE UNNAMED TRIBUTARY 1 LAT 37 39 16 LONG 081 24 39											
	MAY , 1977											
	26...	1300	--	65	7.3	17.0	--	--	--	--	--	--
	JUL											
	12...	1045	.15	110	7.4	18.5	--	8.2	--	--	--	--
	OCT , 1979											
	22...	1700	.67	57	6.7	14.5	--	--	17	8	3.8	1.9
205	373935081260301 - NO BR HEADWATERS OF UNNAMED TRIB 1 TO MARSH FK LAT 37 39 35 LONG 081 26 03											
	MAY , 1977											
	26...	1115	--	<50	6.8	18.0	--	--	--	--	--	--
	JUL											
	12...	1430	--	50	7.2	22.0	--	7.2	--	--	--	--
206	373931081260701 - SO BR HEADWATERS OF UNNAMED TRIB 1 TO MARSH FK LAT 37 39 31 LONG 081 26 07											
	MAY , 1977											
	26...	1100	--	210	7.3	18.0	--	--	--	--	--	--
	JUL											
	12...	1445	.01	350	7.1	23.0	--	6.6	--	--	--	--
208	373912081243701 - MOUTH OF UNNAMED TRIB 1 TO MARSH FORK LAT 37 39 12 LONG 081 24 37											
	MAY , 1977											
	26...	1300	--	120	7.3	17.0	--	--	--	--	--	--
	JUL											
	12...	1040	.16	210	7.7	19.5	--	9.4	50	6	14	3.7
	OCT , 1979											
	22...	1530	.58	108	6.6	14.5	--	--	25	3	6.5	2.2

MARSH FORK BASIN

215

STREAM SAMPLING SITES--Continued

SITE NUMBER	DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
201	374021081251001 - MARSH FORK NEAR POLK GAP LAT 37 40 21 LONG 081 25 10										
	NOV , 1976 05...	--	--	--	--	--	--	--	--	--	--
202	374010081250601 - MARSH FORK ABOVE MOUSE FORK LAT 37 40 10 LONG 081 25 06										
	MAY , 1977 26...	--	--	--	--	--	--	--	--	--	--
	JUL 12...	2.5	1.8	43	0	35	27	1.7	1.7	.1	7.1
	SEP , 1978 12...	--	--	--	--	--	--	--	--	--	--
	OCT , 1979 22...	1.6	1.4	--	--	7	--	9.0	.7	.0	7.7
203	374000081251001 - MOUSE FORK @ MOUTH LAT 37 40 00 LONG 081 25 10										
	MAY , 1977 26...	--	--	--	--	--	--	--	--	--	--
	JUL 12...	--	--	--	--	--	--	--	--	--	--
	OCT , 1979 22...	1.8	1.8	--	--	12	--	5.6	.9	.0	7.7
204	373916081243901 - MARSH FORK ABOVE UNNAMED TRIBUTARY 1 LAT 37 39 16 LONG 081 24 39										
	MAY , 1977 26...	--	--	--	--	--	--	--	--	--	--
	JUL 12...	--	--	--	--	--	--	--	--	--	--
	OCT , 1979 22...	2.5	1.5	--	--	9	--	7.1	.7	.0	7.5
205	373935081260301 - NO BR HEADWATERS OF UNNAMED TRIB 1 TO MARSH FK LAT 37 39 35 LONG 081 26 03										
	MAY , 1977 26...	--	--	--	--	--	--	--	--	--	--
	JUL 12...	--	--	--	--	--	--	--	--	--	--
206	373931081260701 - SO BR HEADWATERS OF UNNAMED TRIB 1 TO MARSH FK LAT 37 39 31 LONG 081 26 07										
	MAY , 1977 26...	--	--	--	--	--	--	--	--	--	--
	JUL 12...	--	--	--	--	--	--	--	--	--	--
208	373912081243701 - MOUTH OF UNNAMED TRIB 1 TO MARSH FORK LAT 37 39 12 LONG 081 24 37										
	MAY , 1977 26...	--	--	--	--	--	--	--	--	--	--
	JUL 12...	16	1.7	54	0	44	1.7	7.0	20	.1	6.9
	OCT , 1979 22...	8.2	1.5	--	--	22	--	6.0	10	.0	7.1

MARSH FORK BASIN

STREAM SAMPLING SITES--Continued

SITE NUMBER	DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ALUM- INUM, SUS- PENDE RECOV. (UG/L AS AL)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
201	374021081251001 - MARSH FORK NEAR POLK GAP LAT 37 40 21 LONG 081 25 10										
	NOV , 1976 05...	--	--	--	--	--	--	--	--	--	--
202	374010081250601 - MARSH FORK ABOVE MOUSE FORK LAT 37 40 10 LONG 081 25 06										
	MAY , 1977 26...	--	--	--	--	--	--	--	--	--	--
	JUL 12...	59	49	.00	.71	.00	.00	430	270	160	0
	SEP , 1978 12...	--	--	--	--	--	--	--	--	--	--
	OCT , 1979 22...	38	31	.02	--	--	--	--	--	--	--
203	374000081251001 - MOUSE FORK @ MOUTH LAT 37 40 00 LONG 081 25 10										
	MAY , 1977 26...	--	--	--	--	--	--	--	--	--	--
	JUL 12...	--	--	--	--	--	--	--	--	--	--
	OCT , 1979 22...	36	30	.03	--	--	--	--	--	--	--
204	373916081243901 - MARSH FORK ABOVE UNNAMED TRIBUTARY 1 LAT 37 39 16 LONG 081 24 39										
	MAY , 1977 26...	--	--	--	--	--	--	--	--	--	--
	JUL 12...	--	--	--	--	--	--	--	--	--	--
	OCT , 1979 22...	39	30	.07	--	--	--	--	--	--	--
205	373935081260301 - NO BR HEADWATERS OF UNNAMED TRIB 1 TO MARSH FK LAT 37 39 35 LONG 081 26 03										
	MAY , 1977 26...	--	--	--	--	--	--	--	--	--	--
	JUL 12...	--	--	--	--	--	--	--	--	--	--
206	373931081260701 - SO BR HEADWATERS OF UNNAMED TRIB 1 TO MARSH FK LAT 37 39 31 LONG 081 26 07										
	MAY , 1977 26...	--	--	--	--	--	--	--	--	--	--
	JUL 12...	--	--	--	--	--	--	--	--	--	--
208	373912081243701 - MOUTH OF UNNAMED TRIB 1 TO MARSH FORK LAT 37 39 12 LONG 081 24 37										
	MAY , 1977 26...	--	--	--	--	--	--	--	--	--	--
	JUL 12...	102	97	.04	1.2	.00	.00	270	110	160	0
	OCT , 1979 22...	54	55	.08	--	--	--	--	--	--	--

217

[illegible]

MARSH FORK BASIN

STREAM SAMPLING SITES--Continued

[illegible]

MARSH FORK BASIN
STREAM SAMPLING SITES--Continued

211 373840081241301 - MARSH FK .75 MILE ABOVE MOUTH LAT 37 38 40 LONG 081 24 13

SITE NUMBER	DATE	SODIUM, DIS- SOLVED	POTAS- SIUM, DIS- SOLVED	BICAR- BONATE	CAR- BONATE	ALKA- LINITY	CARBON DIOXIDE	SULFATE	CHLO- RIDE,	FLUO- RIDE,	SILICA, DIS-
		(MG/L AS NA)	(MG/L AS K)	(MG/L AS HCO3)	(MG/L AS CO3)	(MG/L AS CAO3)	(MG/L AS CO2)	(MG/L AS SO4)	(MG/L AS CL)	(MG/L AS F)	(MG/L AS SiO2)

[illegible][illegible]

221

[illegible]

MARSH FORK BASIN
WELL SAMPLING SITES

SITE NUMBER	STATION NUMBER	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHQS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)
207	373915081250301	76-10-19	--	56	470	6.8	13.5	40	0	10	3.7	50
		76-10-27	--	56	--	--	--	--	--	--	--	--
		78-01-31	--	56	670	6.6	11.0	100	23	29	7.8	20
210	373853081245101	78-01-30	--	118	220	6.3	10.5	50	39	7.7	7.5	13
212R	373818081234301	76-05-00	--	95	--	--	--	--	--	--	--	--
213	373820081233801	76-10-19	--	95	360	7.1	13.0	--	--	--	--	--
		78-01-31	--	80	380	6.3	12.0	48	31	12	4.3	75
		79-08-09	1445	80	290	6.5	13.0	84	0	23	6.5	19

SITE NUMBER	STATION NUMBER	DATE OF SAMPLE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
207	373915081250301	76-10-19	2.1	65	--	53	16	2.4	120	--	5.7	--
		76-10-27	--	--	--	--	--	--	--	--	--	--
		78-01-31	1.7	100	0	82	40	7.0	34	--	9.9	--
210	373853081245101	78-01-30	1.0	14	0	11	11	6.1	20	--	21	--
212R	373818081234301	76-05-00	--	--	--	--	--	--	--	--	--	--
213	373820081233801	76-10-19	--	--	--	--	--	--	--	--	--	--
		78-01-31	1.5	20	0	16	16	5.5	140	--	9.7	--
		79-08-09	1.4	--	--	84	52	5.9	25	.1	11	143

SITE NUMBER	STATION NUMBER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
207	373915081250301	76-10-19	239	4500	8900
		76-10-27	--	--	--
		78-01-31	165	5700	610
210	373853081245101	78-01-30	83	60	110
212R	373818081234301	76-05-00	--	--	--
213	373820081233801	76-10-19	--	--	--
		78-01-31	271	2000	11000
		79-08-09	142	--	--

MARSH FORK BASIN

243

GROUND-WATER LEVEL MONITORING SITES

STATION NUMBER 373818081234301 LOCAL NUMBER 212R
 LATITUDE 373818 LONGITUDE 0812343 WELL DEPTH 95 FEET

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) * WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
 INSTANTANEOUS OBSERVATIONS AT 1200

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					---	50.84	50.31	50.31	50.56	52.41		
2					---	50.83	50.78	50.17	50.52	52.41		
3					---	51.14	50.69	50.13	50.44	52.56		
4					---	51.14	50.57	50.28	50.60	52.30		
5					---	50.93	50.47	50.19	50.46	52.40		
6					---	51.32	50.94	50.40	51.06	52.40		
7					---	51.19	50.95	50.60	50.61	52.39		
8					---	51.07	50.90	50.45	50.55	52.97		
9					---	51.01	50.89	50.00	50.90	52.77		
10					---	50.73	50.96	49.64	50.79	52.91		
11					---	50.78	51.08	49.69	50.96	52.59		
12					---	50.39	51.21	49.44	51.01	52.74		
13					---	50.04	51.12	49.72	50.94	52.86		
14					---	49.70	51.27	49.69	51.02	52.73		
15					---	49.40	51.31	49.60	51.02	52.89		
16					---	49.09	51.30	50.09	52.40	53.01		
17					---	49.26	51.54	50.06	52.27	52.74		
18					---	49.52	51.34	50.07	52.30	53.36		
19					---	49.53	51.60	50.09	51.97	53.32		
20					---	49.79	51.63	50.24	51.85	53.21		
21					---	49.88	51.69	50.21	52.65	---		
22					---	50.02	51.62	50.35	52.45	---		
23					---	50.06	51.62	51.19	52.17	---		
24					---	50.18	51.49	51.09	52.29	---		
25					51.41	50.37	51.72	50.60	52.69	---		
26					51.37	50.34	52.04	50.09	52.41	---		
27					51.12	50.67	51.23	50.12	52.41	---		
28					50.92	50.61	50.59	49.96	52.40	---		
29					---	50.44	50.22	50.05	52.40	---		
30					---	50.31	50.28	50.19	52.44	---		
31					---	50.36	---	50.45	---	---		
MEAN					51.21	50.35	51.11	50.17	51.55	52.75		
WTR YR 1978	MEAN	51.07		HIGH	49.09		LOW	53.36				

MARSH FORK BASIN

GROUND-WATER LEVEL MONITORING SITES--Continued

STATION NUMBER 373818081234301 LOCAL NUMBER 212R
 LATITUDE 373818 LONGITUDE 0812343 WELL DEPTH 95 FEET

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
 INSTANTANEOUS OBSERVATIONS AT 1200

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	51.70	49.70	48.87	48.07	48.99	49.24	50.15	49.75	49.53	51.69
2		---	52.62	49.21	48.84	48.32	49.17	49.34	50.01	49.98	49.60	51.53
3		---	52.96	48.60	49.24	48.39	49.19	49.60	49.81	50.22	49.71	51.92
4		---	51.33	48.15	49.52	48.26	49.08	49.54	49.63	50.20	49.86	51.86
5		---	50.22	48.21	49.43	48.27	48.70	49.68	49.53	50.26	49.94	51.70
6		---	49.63	48.38	49.43	48.19	48.29	49.74	49.44	49.89	49.95	51.66
7		---	49.25	48.53	49.53	48.05	47.95	49.57	49.74	49.96	50.07	51.46
8		---	49.17	48.43	49.51	48.04	48.07	49.49	49.63	49.97	49.90	---
9		---	49.21	47.99	50.39	48.00	48.79	49.32	49.54	49.81	50.44	---
10		---	48.93	47.83	50.37	47.97	48.87	49.60	49.60	50.08	50.75	---
11		---	48.69	47.89	50.26	48.01	48.49	49.48	49.86	50.34	50.96	---
12		---	48.67	48.02	50.11	48.20	48.51	49.49	49.79	50.05	51.39	---
13		---	48.70	48.60	50.16	48.17	48.98	49.54	49.65	49.80	51.36	---
14		---	49.05	48.93	49.98	48.28	48.97	49.28	49.52	49.57	51.36	---
15		---	49.65	48.80	50.25	48.61	48.91	48.92	49.74	49.56	51.36	---
16		---	49.68	48.65	50.27	48.42	48.82	48.60	49.76	49.38	51.36	---
17		53.14	49.86	48.86	50.07	48.52	48.90	48.68	50.23	49.53	51.36	---
18		53.03	50.23	48.99	49.79	49.68	48.79	49.10	50.06	49.79	51.38	---
19		53.69	50.31	49.32	49.59	49.78	48.97	49.00	50.02	49.71	51.38	---
20		53.35	50.42	49.85	49.42	49.84	49.13	49.08	50.14	49.96	51.53	---
21		53.30	50.43	49.45	50.02	49.69	49.35	49.63	51.49	50.80	51.34	---
22		53.12	50.09	48.64	49.84	49.38	49.10	49.41	50.91	50.53	51.29	---
23		53.09	50.05	47.86	49.93	49.32	49.50	49.69	50.17	50.25	51.24	---
24		53.10	49.82	47.61	49.41	49.46	49.79	49.62	49.81	50.34	51.92	---
25		53.27	49.78	47.74	48.72	49.25	49.90	49.46	49.34	50.22	51.82	---
26		53.17	49.29	47.67	48.54	48.82	50.26	49.51	48.95	50.47	51.63	51.50
27		53.34	48.89	47.72	48.17	48.55	50.24	49.58	48.83	51.19	51.72	51.14
28		53.17	48.98	48.00	47.88	48.23	49.76	49.49	48.94	50.40	51.57	51.02
29		53.99	49.08	48.29	---	48.38	49.50	49.16	49.20	49.98	51.45	51.74
30		50.97	49.07	48.27	---	48.59	49.25	49.04	49.51	49.78	51.26	51.52
31		---	49.68	48.68	---	48.89	---	50.23	---	49.66	51.36	---
MEAN		53.12	49.85	48.48	49.56	48.63	49.07	49.39	49.77	50.05	50.96	51.56
WTR YR 1979	MEAN	49.78		HIGH	47.61		LOW	53.99				

MARSH FORK BASIN

225

GROUND-WATER LEVEL MONITORING SITES--Continued

STATION NUMBER 373818081234301 LOCAL NUMBER 212R
 LATITUDE 373818 LONGITUDE 0812343 WELL DEPTH 95 FEET

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
 INSTANTANEOUS OBSERVATIONS AT 1200

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51.40	49.51										
2	51.46	49.49										
3	51.58	51.22										
4	51.20	50.81										
5	51.17	50.38										
6	51.12	50.12										
7	51.15	50.01										
8	50.80	50.11										
9	51.53	49.99										
10	51.22	49.95										
11	51.32	49.88										
12	51.10	49.40										
13	50.76	49.77										
14	50.39	49.56										
15	51.15	49.26										
16	50.62	49.76										
17	50.47	49.48										
18	50.31	49.60										
19	49.97	---										
20	50.48	---										
21	---	---										
22	---	---										
23	---	---										
24	---	---										
25	---	---										
26	---	---										
27	---	---										
28	---	---										
29	---	---										
30	---	---										
31	---	---										
MEAN	50.96	49.91										
WTR YR 1980	MEAN	50.46		HIGH	49.26		LOW	51.58				

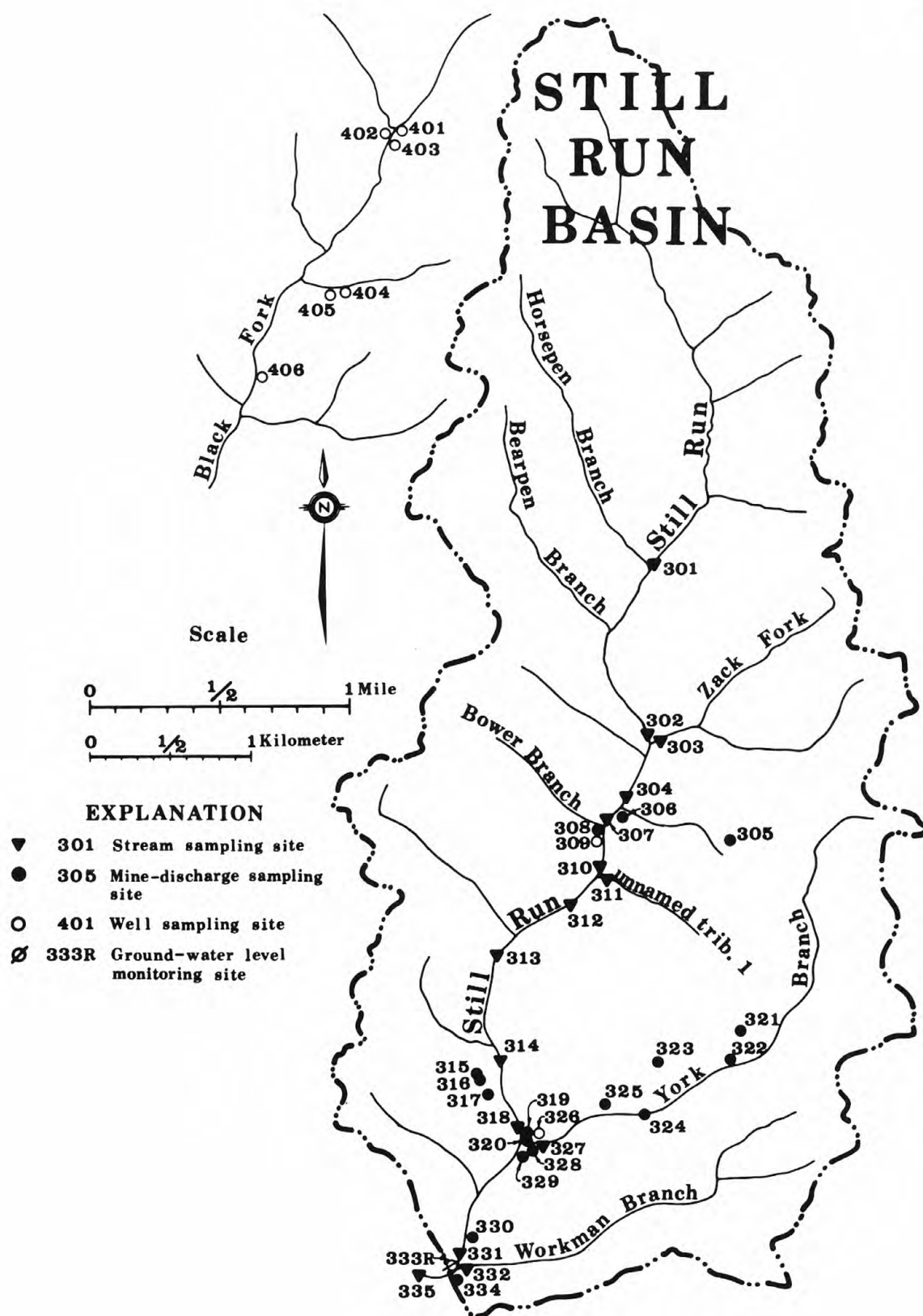


FIGURE 13.--LOCATION OF SAMPLING SITES
IN THE STILL RUN BASIN

STILL RUN BASIN
STREAM SAMPLING SITES

SITE NUMBER	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
301	373713081245001 - STILL RUN ABOVE HORSEPEN BR LAT 37 37 13 LONG 081 24 50											
	SEP . 1978											
	21...	--	--	96	7.8	22.0	--	--	--	--	--	--
302	373636081245201 - STILL RUN ABOVE ZACK FORK LAT 37 36 36 LONG 081 24 52											
	MAY . 1977											
	27...	1140	--	60	7.2	18.0	--	--	--	--	--	--
	JUL											
	13...	1515	.34	105	7.2	23.5	--	8.2	26	0	5.9	2.8
	SEP . 1978											
	13...	0900	1.0	170	7.0	19.0	15	--	--	--	--	--
	21...	1620	.01	85	7.2	23.0	--	--	21	0	4.4	2.5
	OCT . 1979											
	23...	0915	1.1	55	6.6	13.0	--	--	13	0	2.8	1.5
303	373638081244701 - ZACK FORK @ MOUTH LAT 37 36 38 LONG 081 24 47											
	JUL . 1977											
	13...	1500	.08	230	7.0	25.0	--	7.2	--	--	--	--
	SEP . 1978											
	21...	1635	.02	35	7.2	23.0	--	--	--	--	--	--
	OCT . 1979											
	23...	0900	.15	142	6.7	14.0	--	--	42	16	9.7	4.4
304	373621081250201 - STILL RUN BELOW ZACK FORK LAT 37 36 21 LONG 081 25 02											
	NOV . 1977											
	22...	1300	4.1	50	6.7	9.0	--	--	--	--	--	--
	SEP . 1979											
	28...	1200	2.7	69	6.8	15.0	4.0	--	--	--	--	--
307	373621081250301 - STILL RUN ABOVE BOWER BRANCH LAT 37 36 21 LONG 081 25 03											
	SEP . 1978											
	21...	1645	--	180	7.7	23.0	--	--	--	--	--	--
310	373613081250301 - STILL RUN ABOVE UNNAMED TRIB 1 LAT 37 36 13 LONG 081 25 03											
	SEP . 1978											
	21...	1655	--	205	7.2	25.0	--	--	--	--	--	--
311	373610081250201 - MOUTH OF UNNAMED TRIB 1 TO STILL RUN LAT 37 36 10 LONG 081 25 02											
	MAY . 1977											
	27...	1100	--	<50	7.2	15.0	--	--	--	--	--	--
	JUL											
	13...	1400	--	55	6.1	23.0	--	7.4	--	--	--	--
312	373609081250601 - STILL RUN 2 MILES ABOVE MOUTH LAT 37 36 09 LONG 081 25 06											
	MAY . 1977											
	27...	1130	--	80	7.4	15.0	--	--	--	--	--	--
	JUL											
	13...	1440	.63	125	7.1	24.5	--	7.3	--	--	--	--
	SEP . 1978											
	21...	1515	.02	180	8.0	22.0	--	--	50	16	11	5.4

STILL RUN BASIN

229

STREAM SAMPLING SITES--Continued

SITE NUMBER	DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
301	373713081245001 - STILL RUN ABOVE HORSEPEN BR LAT 37 37 13 LONG 081 24 50										
	SEP . 1978 21...	--	--	--	--	--	--	--	--	--	--
302	373636081245201 - STILL RUN ABOVE ZACK FORK LAT 37 36 36 LONG 081 24 52										
	MAY . 1977 27...	--	--	--	--	--	--	--	--	--	--
	JUL 13...	9.0	1.6	33	0	27	3.3	20	.8	.0	7.1
	SEP . 1978 13...	--	--	--	--	--	--	--	--	--	--
	21...	10	1.6	--	--	38	--	7.0	1.7	.0	5.8
	OCT . 1979 23...	2.6	1.6	--	--	16	--	6.7	1.4	.0	5.8
303	373638081244701 - ZACK FORK @ MOUTH LAT 37 36 38 LONG 081 24 47										
	JUL . 1977 13...	--	--	--	--	--	--	--	--	--	--
	SEP . 1978 21...	--	--	--	--	--	--	--	--	--	--
	OCT . 1979 23...	15	2.2	--	--	26	--	42	.9	.1	8.6
304	373621081250201 - STILL RUN BELOW ZACK FORK LAT 37 36 21 LONG 081 25 02										
	NOV . 1977 22...	--	--	--	--	--	--	--	--	--	--
	SEP . 1979 28...	--	--	--	--	--	--	--	--	--	--
307	373621081250301 - STILL RUN ABOVE BOWER BRANCH LAT 37 36 21 LONG 081 25 03										
	SEP . 1978 21...	--	--	--	--	--	--	--	--	--	--
310	373613081250301 - STILL RUN ABOVE UNNAMED TRIB 1 LAT 37 36 13 LONG 081 25 03										
	SEP . 1978 21...	--	--	--	--	--	--	--	--	--	--
311	373610081250201 - MOUTH OF UNNAMED TRIB 1 TO STILL RUN LAT 37 36 10 LONG 081 25 02										
	MAY . 1977 27...	--	--	--	--	--	--	--	--	--	--
	JUL 13...	--	--	--	--	--	--	--	--	--	--
312	373609081250601 - STILL RUN 2 MILES ABOVE MOUTH LAT 37 36 09 LONG 081 25 06										
	MAY . 1977 27...	--	--	--	--	--	--	--	--	--	--
	JUL 13...	--	--	--	--	--	--	--	--	--	--
	SEP . 1978 21...	19	2.1	--	--	34	--	63	1.3	.0	6.2

230

STILL RUN BASIN

STREAM SAMPLING SITES--Continued

SITE NUMBER	DATE	SOLIDS. RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS. SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ALUM- INUM, SUS- PENDE RECOV. (UG/L AS AL)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
301	373713081245001 - STILL RUN ABOVE HORSEPEN BR LAT 37 37 13 LONG 081 24 50										
	SEP . 1978 21...	--	--	--	--	--	--	--	--	--	--
302	373636081245201 - STILL RUN ABOVE ZACK FORK LAT 37 36 36 LONG 081 24 52										
	MAY . 1977 27...	--	--	--	--	--	--	--	--	--	--
	JUL 13...	72	65	.07	.66	.00	.00	300	120	180	0
	SEP . 1978 13...	--	--	--	--	--	--	--	--	--	--
	21...	61	56	.00	--	--	--	--	--	20	--
	OCT . 1979 23...	36	32	.11	--	--	--	--	--	--	--
303	373638081244701 - ZACK FORK @ MOUTH LAT 37 36 38 LONG 081 24 47										
	JUL . 1977 13...	--	--	--	--	--	--	--	--	--	--
	SEP . 1978 21...	--	--	--	--	--	--	--	--	--	--
	OCT . 1979 23...	108	99	.04	--	--	--	--	--	--	--
304	373621081250201 - STILL RUN BELOW ZACK FORK LAT 37 36 21 LONG 081 25 02										
	NOV . 1977 22...	--	--	--	--	--	--	--	--	--	--
	SEP . 1979 28...	--	--	--	--	--	--	--	--	--	--
307	373621081250301 - STILL RUN ABOVE BOWER BRANCH LAT 37 36 21 LONG 081 25 03										
	SEP . 1978 21...	--	--	--	--	--	--	--	--	--	--
310	373613081250301 - STILL RUN ABOVE UNNAMED TRIB 1 LAT 37 36 13 LONG 081 25 03										
	SEP . 1978 21...	--	--	--	--	--	--	--	--	--	--
311	373610081250201 - MOUTH OF UNNAMED TRIB 1 TO STILL RUN LAT 37 36 10 LONG 081 25 02										
	MAY . 1977 27...	--	--	--	--	--	--	--	--	--	--
	JUL 13...	--	--	--	--	--	--	--	--	--	--
312	373609081250601 - STILL RUN 2 MILES ABOVE MOUTH LAT 37 36 09 LONG 081 25 06										
	MAY . 1977 27...	--	--	--	--	--	--	--	--	--	--
	JUL 13...	--	--	--	--	--	--	--	--	--	--
	SEP . 1978 21...	125	129	.01	--	--	--	--	--	20	--

STILL RUN BASIN

231

STREAM SAMPLING SITES--Continued

SITE NUMBER	DATE	CADMIUM SUS- PENDE REC OV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL REC OV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	IRON, TOTAL REC OV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL REC OV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE REC OV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL REC OV- ERABLE (UG/L AS MN)
301	373713081245001 - STILL RUN ABOVE HORSEPEN BR LAT 37 37 13 LONG 081 24 50										
	SEP . 1978 21...	--	--	--	--	--	--	--	--	--	--
302	373636081245201 - STILL RUN ABOVE ZACK FORK LAT 37 36 36 LONG 081 24 52										
	MAY . 1977 27...	--	--	--	--	--	--	--	--	--	--
	JUL 13...	0	0	20	0	500	170	4	0	4	80
	SEP . 1978 13...	--	--	--	--	--	--	--	--	--	--
	21...	--	--	--	--	--	230	--	--	--	--
	OCT . 1979 23...	--	--	--	--	--	--	--	--	--	--
303	373638081244701 - ZACK FORK @ MOUTH LAT 37 36 38 LONG 081 24 47										
	JUL . 1977 13...	--	--	--	--	--	--	--	--	--	--
	SEP . 1978 21...	--	--	--	--	--	--	--	--	--	--
	OCT . 1979 23...	--	--	--	--	--	--	--	--	--	--
304	373621081250201 - STILL RUN BELOW ZACK FORK LAT 37 36 21 LONG 081 25 02										
	NOV . 1977 22...	--	--	--	--	--	--	--	--	--	--
	SEP . 1979 28...	--	--	--	--	--	--	--	--	--	--
307	373621081250301 - STILL RUN ABOVE BOWER BRANCH LAT 37 36 21 LONG 081 25 03										
	SEP . 1978 21...	--	--	--	--	--	--	--	--	--	--
310	373613081250301 - STILL RUN ABOVE UNNAMED TRIB 1 LAT 37 36 13 LONG 081 25 03										
	SEP . 1978 21...	--	--	--	--	--	--	--	--	--	--
311	373610081250201 - MOUTH OF UNNAMED TRIB 1 TO STILL RUN LAT 37 36 10 LONG 081 25 02										
	MAY . 1977 27...	--	--	--	--	--	--	--	--	--	--
	JUL 13...	--	--	--	--	--	--	--	--	--	--
312	373609081250601 - STILL RUN 2 MILES ABOVE MOUTH LAT 37 36 09 LONG 081 25 06										
	MAY . 1977 27...	--	--	--	--	--	--	--	--	--	--
	JUL 13...	--	--	--	--	--	--	--	--	--	--
	SEP . 1978 21...	--	--	--	--	--	110	--	--	--	--

STILL RUN BASIN

STREAM SAMPLING SITES--Continued

SITE NUMBER	DATE	MANGA- NESE, SUS- PENDE RECOV, (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)
301	373713081245001 - STILL RUN ABOVE HORSEPEN BR	LAT 37 37 13 LONG 081 24 50									
	SEP , 1978 21...	--	--	--	--	--	--	--	--	--	--
302	373636081245201 - STILL RUN ABOVE ZACK FORK	LAT 37 36 36 LONG 081 24 52									
	MAY , 1977 27...	--	--	--	--	--	--	--	--	--	--
	JUL 13...	30	50	.0	.0	.0	20	10	10	6.0	270
	SEP , 1978 13...	--	--	--	--	--	--	--	--	--	--
	21...	--	70	--	--	--	--	--	--	--	--
	OCT , 1979 23...	--	--	--	--	--	--	--	--	--	--
303	373638081244701 - ZACK FORK @ MOUTH	LAT 37 36 38 LONG 081 24 47									
	JUL , 1977 13...	--	--	--	--	--	--	--	--	--	--
	SEP , 1978 21...	--	--	--	--	--	--	--	--	--	--
	OCT , 1979 23...	--	--	--	--	--	--	--	--	--	--
304	373621081250201 - STILL RUN BELOW ZACK FORK	LAT 37 36 21 LONG 081 25 02									
	NOV , 1977 22...	--	--	--	--	--	--	--	--	--	--
	SEP , 1979 28...	--	--	--	--	--	--	--	--	--	--
307	373621081250301 - STILL RUN ABOVE BOWER BRANCH	LAT 37 36 21 LONG 081 25 03									
	SEP , 1978 21...	--	--	--	--	--	--	--	--	--	--
310	373613081250301 - STILL RUN ABOVE UNNAMED TRIB 1	LAT 37 36 13 LONG 081 25 03									
	SEP , 1978 21...	--	--	--	--	--	--	--	--	--	--
311	373610081250201 - MOUTH OF UNNAMED TRIB 1 TO STILL RUN	LAT 37 36 10 LONG 081 25 02									
	MAY , 1977 27...	--	--	--	--	--	--	--	--	--	--
	JUL 13...	--	--	--	--	--	--	--	--	--	--
312	373609081250601 - STILL RUN 2 MILES ABOVE MOUTH	LAT 37 36 09 LONG 081 25 06									
	MAY , 1977 27...	--	--	--	--	--	--	--	--	--	--
	JUL 13...	--	--	--	--	--	--	--	--	--	--
	SEP , 1978 21...	--	50	--	--	--	--	--	--	--	--

234

STILL RUN BASIN
STREAM SAMPLING SITES--Continued

SITE NUMBER	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
313	37353081253001 - STILL RUN 1.6 MILES ABOVE MOUTH LAT 37 35 53 LONG 081 25 30											
	SEP , 1978											
	21...	1740	--	145	6.5	25.0	--	--	--	--	--	--
314	373533081253001 - STILL RUN 1.3 MILES ABOVE MOUTH LAT 37 35 33 LONG 081 25 30											
	SEP , 1978											
	21...	--	--	180	6.6	25.0	--	--	--	--	--	--
318	373519081252401 - STILL RUN ABOVE YORK BRANCH LAT 37 35 19 LONG 081 25 24											
	SEP , 1978											
	21...	1340	--	725	7.7	28.0	--	--	--	--	--	--
	OCT , 1979											
	22...	1745	1.6	255	6.5	17.0	--	--	30	0	7.2	2.9
327	373517081252401 - YORK BRANCH @ MOUTH LAT 37 35 17 LONG 081 25 24											
	MAY , 1977											
	27...	1030	--	<50	7.4	19.0	--	--	--	--	--	--
	JUL											
	13...	1245	.16	220	7.6	23.0	--	8.1	64	31	15	6.5
	SEP , 1978											
	21...	1410	.01	225	7.5	22.0	--	--	57	0	13	6.0
	OCT , 1979											
	22...	1700	.27	220	6.9	16.0	--	--	58	30	14	5.6
331	373455081254001 - STILL RUN ABOVE WORKMAN BRANCH LAT 37 34 55 LONG 081 25 40											
	MAY , 1977											
	26...	1525	--	360	7.5	22.0	--	--	--	--	--	--
	JUL											
	13...	1030	1.0	270	7.6	21.5	--	8.4	--	--	--	--
	SEP , 1978											
	21...	1305	.21	590	8.0	27.0	--	--	110	0	27	10
	OCT , 1979											
	22...	1615	1.9	560	7.8	19.0	--	--	49	0	12	4.7
332	373453081253801 - WORKMAN BRANCH @ MOUTH LAT 37 34 53 LONG 081 25 38											
	MAY , 1977											
	26...	1515	--	380	7.3	23.0	--	--	150	130	35	14
	JUL											
	13...	1015	.01	420	7.9	20.5	--	8.5	200	170	48	20
	SEP , 1978											
	21...	1130	.01	480	7.7	20.5	--	--	240	180	57	23
	OCT , 1979											
	22...	1430	.09	295	6.9	14.0	--	--	91	66	20	10
335	373450081255901 - STILL RUN .25 MILE ABOVE MOUTH LAT 37 34 50 LONG 081 25 59											
	SEP , 1978											
	21...	1110	--	480	7.6	22.0	--	--	--	--	--	--

235

[illegible]

237

[illegible]

STILL RUN BASIN

STREAM SAMPLING SITES--Continued

[illegible]

STILL RUN BASIN
MINE-DISCHARGE SAMPLING SITES

SITE NUMBER	STATION NUMBER	DATE OF SAMPLE	TIME	FLOW, INSTAN- TANEOUS (CFS)	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)
305	373557081244001	79-09-24	1205	--	720	7.9	--	16	0	5.6	.5	260
306	373621081245801	79-09-24	1530	3.3	1650	7.5	14.0	70	0	20	4.9	510
308	373618081250501	79-10-24	1545	.07	375	6.5	10.0	160	64	49	9.9	8.7
315	373527081253701	77-05-27	1400	--	653	6.7	--	360	140	90	32	11
316	373527081253702	77-05-27	1400	--	--	--	--	550	450	150	42	12
317	373526081253301	77-05-27	1500	--	840	7.0	15.0	490	420	--	40	12
319	373519081252101	78-09-21	1400	.05	1650	--	15.5	130	0	--	9.7	620
		79-10-24	1645	.03	2200	8.0	12.0	120	0	36	6.4	470
320	373518081252101	79-09-24	1320	--	2270	3.5	10.0	1000	1000	230	110	290
321	373547081243501	79-09-24	1400	.02	270	7.1	13.0	110	41	32	6.4	20
322	373532081243501	79-10-24	1620	.06	650	7.0	13.0	210	130	65	11	48
323	373532081244901	79-09-24	1035	.01	2500	7.6	--	54	0	15	4.0	820
324	373521081245501	79-09-24	1230	.01	185	7.0	--	62	0	17	4.8	29
325	373522081245901	79-09-24	1230	--	345	7.3	--	96	46	29	5.8	64
328	373516081251701	78-09-21	1330	.03	925	--	19.0	110	0	--	9.3	260
		79-10-24	1150	.05	1150	8.0	10.0	120	0	32	10	210
329	373514081252201	78-09-21	--	.03	970	7.9	16.0	--	--	--	--	--
		79-10-24	1230	.06	1000	6.3	11.0	180	3	47	16	140
330	373500081253201	79-10-24	1245	.05	500	6.4	11.5	170	100	41	16	31
334	373446081254101	78-09-21	1220	.01	810	2.7	22.0	300	300	61	36	14
		79-10-24	1145	.02	800	6.6	10.0	380	210	87	39	15

STILL RUN BASIN

MINE-DISCHARGE SAMPLING SITES--Continued

SITE NUMBER	STATION NUMBER	DATE OF SAMPLE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINEITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER DAY)
305	373557081244001	79-09-24	4.5	350	--	160	5.6	.5	10	639	657	--
306	373621081245801	79-09-24	2.5	670	--	460	11	.3	14	1440	1430	12.8
308	373618081250501	79-10-24	2.7	99	61	70	1.0	.1	9.7	233	211	.04
315	373527081253701	77-05-27	--	213	83	150	4.1	--	--	--	--	--
316	373527081253702	77-05-27	--	98	--	450	1.6	--	--	--	--	--
317	373526081253301	77-05-27	--	72	14	430	1.4	--	--	--	--	--
319	373519081252101	78-09-21	5.8	480	--	980	8.5	.2	7.2	1930	1960	--
		79-10-24	4.9	260	--	780	5.9	.2	8.8	1510	1470	.12
320	373518081252101	79-09-24	13	1	--	1900	1.0	.4	59	2960	2600	--
321	373547081243501	79-09-24	2.4	65	--	80	.8	.1	11	203	192	.01
322	373532081243501	79-10-24	4.8	74	14	210	3.3	.2	9.0	427	396	.07
323	373532081244901	79-09-24	5.7	660	--	1000	10	.3	11	2380	2260	.06
324	373521081245501	79-09-24	.9	87	--	21	1.2	.1	15	134	141	.00
325	373522081245901	79-09-24	2.2	50	--	150	1.1	.1	9.4	278	292	--
328	373516081251701	78-09-21	3.1	260	--	370	4.0	.2	7.5	825	839	--
		79-10-24	3.0	200	3.9	380	2.4	.2	7.8	750	766	.10
329	373514081252201	78-09-21	--	--	--	--	--	--	--	--	--	--
		79-10-24	3.3	180	176	330	1.6	.2	8.1	658	654	.11
330	373500081253201	79-10-24	3.7	65	51	170	.8	.1	6.3	324	308	.04
334	373446081254101	78-09-21	4.7	2	--	450	1.5	.3	35	736	629	--
		79-10-24	5.2	170	--	230	1.2	.2	3.6	520	483	.03

STILL RUN BASIN
WELL SAMPLING SITES

SITE NUMBER	STATION	NUMBER	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)
309	373617081250501		79-12-01	1320	116	400	5.6	11.0	--	--	--	--	--
326	373517081252002		76-02-00	--	125	--	--	--	--	--	--	--	--
			76-05-05	--	125	1000	7.3	17.0	270	200	73	21	110
333R	373452081254301		78-06-09	1130	50	305	6.3	12.5	83	31	23	6.3	12

SITE NUMBER	STATION	NUMBER	DATE OF SAMPLE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS SC4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
309	373617081250501		79-12-01	2.4	--	19	--	160	2.4	.0	--	258
326	373517081252002		76-02-00	--	--	--	--	--	--	--	--	--
			76-05-05	2.0	90	74	7.2	400	1.4	--	16	--
333R	373452081254301		78-06-09	1.7	64	53	51	67	5.6	--	11	--

SITE NUMBER	STATION	NUMBER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
309	373617081250501		79-12-01	176	--	--
326	373517081252002		76-02-00	--	--	--
			76-05-05	669	250	740
333R	373452081254301		78-06-09	172	13000	1100

STILL RUN BASIN
WELL SAMPLING SITES--Continued

SITE NUMBER	STATION NUMBER	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)
401	373840081255001	76-05-05	--	80	120	7.7	13.0	49	11	14	3.5	2.3
402	373839081255401	76-05-05	--	79	--	--	--	--	--	--	--	--
		77-03-15	--	79	--	--	--	--	--	--	--	--
		77-03-15	1342	--	160	6.1	14.5	44	11	11	3.9	2.6
		77-03-15	1400	--	140	6.5	14.0	44	11	11	4.0	2.5
		77-03-15	2145	--	140	6.4	12.5	49	14	13	4.0	2.9
		77-03-16	0545	--	160	6.4	13.0	49	16	13	4.0	2.9
		77-03-16	1345	--	160	6.6	13.0	49	14	13	4.0	3.0
403	373837081255301	76-08-18	--	80	160	6.7	12.0	49	12	13	3.9	2.9
404	373809081260501	76-05-05	--	67	50	6.6	11.5	23	10	7.1	1.2	1.3
405	373808081260901	76-05-05	--	81	150	6.6	11.5	38	22	12	2.0	7.3
406	373750081262801	78-11-29	1430	100	90	6.2	11.5	25	0	6.4	2.1	4.3

STILL RUN BASIN
WELL SAMPLING SITES--Continued

SITE NUMBER	STATION NUMBER	DATE OF SAMPLE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
401	373840081255001	76-05-05	.7	47	--	39	1.5	14	2.4	--	13	--
402	373839081255401	76-05-05	--	--	--	--	--	--	--	--	--	--
		77-03-15	--	--	--	--	--	--	--	--	--	--
		77-03-15	.8	40	0	33	51	8.2	.8	.1	13	79
		77-03-15	--	40	--	33	20	7.9	--	--	--	--
		77-03-15	.8	42	0	34	27	9.8	.8	.1	13	93
		77-03-16	--	40	--	33	25	11	--	--	--	--
		77-03-16	.8	42	0	34	17	10	1.0	.1	13	90
403	373837081255301	76-08-18	.8	45	--	37	14	15	3.6	--	15	--
404	373809081260501	76-05-05	1.1	16	--	13	6.4	7.7	3.0	--	7.6	--
405	373808081260901	76-05-05	.9	20	--	16	8.0	14	10	--	8.8	--
406	373750081262801	78-11-29	.8	--	--	25	--	1.5	3.5	.0	12	53

SITE NUMBER	STATION NUMBER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
401	373840081255001	76-05-05	77	--	3100	320
402	373839081255401	76-05-05	--	--	--	--
		77-03-15	--	--	--	--
		77-03-15	75	.04	14000	570
		77-03-15	--	--	14000	560
		77-03-15	80	.06	14000	540
		77-03-16	--	--	15000	530
		77-03-16	81	.04	15000	520
403	373837081255301	76-08-18	86	--	8900	460
404	373809081260501	76-05-05	40	--	3200	130
405	373808081260901	76-05-05	74	--	8700	380
406	373750081262801	78-11-29	60	.18	13000	300

STILL RUN BASIN

245

GROUND-WATER LEVEL MONITORING SITES

STATION NUMBER 373452081254301 LOCAL NUMBER 333R
 LATITUDE 373452 LONGITUDE 0812543 WELL DEPTH 50 FEET

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)* WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
 INSTANTANEOUS OBSERVATIONS AT 1200

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									---	16.62	17.23	16.83
2									---	16.81	17.17	16.73
3									---	16.53	17.17	16.53
4									---	16.72	17.15	16.51
5									---	16.45	16.73	16.46
6									---	16.65	16.68	16.40
7									---	16.60	16.65	16.31
8									---	16.33	16.61	16.22
9									---	16.26	16.58	16.13
10									---	16.99	16.55	16.07
11									---	17.33	16.52	15.94
12									---	16.92	16.47	15.81
13									---	16.77	16.17	15.75
14									17.58	16.65	16.53	15.66
15									17.60	16.37	16.26	16.77
16									17.65	16.38	16.66	17.13
17									17.47	16.23	16.75	17.39
18									17.19	16.68	16.80	18.83
19									17.45	17.15	16.70	18.37
20									17.60	17.43	16.43	17.96
21									17.74	17.55	16.73	17.70
22									17.79	17.33	16.77	18.02
23									17.68	16.94	16.81	17.45
24									17.32	17.14	16.80	17.30
25									17.01	17.42	16.79	17.51
26									17.02	17.53	16.52	17.48
27									16.87	17.67	16.66	17.48
28									16.99	17.57	16.71	17.66
29									16.85	17.07	16.82	17.74
30									16.76	16.97	16.88	17.38
31									---	17.12	16.91	---
MEAN									17.33	16.91	16.72	16.98
WTR YR 1978	MEAN	16.94		HIGH	15.66		LOW	18.83				

STILL RUN BASIN

GROUND-WATER LEVEL MONITORING SITES--Continued

STATION NUMBER 373452081254301 LOCAL NUMBER 333R
 LATITUDE 373452 LONGITUDE 0812543 WELL DEPTH 50 FEET

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)*, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
 INSTANTANEOUS OBSERVATIONS AT 1200

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.32	18.75	19.07	15.86	15.37	17.41	16.36	15.78	16.40	14.15	16.38	18.92
2	17.58	18.77	18.75	15.70	15.44	17.72	14.15	15.74	16.14	14.77	16.46	21.99
3	17.68	18.78	18.11	15.96	15.47	15.48	16.73	15.80	16.16	14.74	16.67	18.86
4	18.10	18.63	18.21	15.94	13.95	14.70	13.43	16.03	15.89	14.84	16.65	18.31
5	18.21	18.26	18.47	16.03	17.17	16.80	15.36	15.68	15.91	14.69	16.62	---
6	18.30	18.49	18.39	15.78	16.57	15.65	15.60	15.46	16.15	14.19	16.76	---
7	18.25	18.85	18.13	15.55	16.22	13.27	14.36	15.58	16.22	14.45	17.10	---
8	17.98	18.88	17.78	15.44	16.58	15.85	15.79	16.02	16.33	14.58	17.04	---
9	18.75	18.97	17.31	15.42	17.23	15.18	19.53	16.22	16.35	14.74	17.12	---
10	18.55	19.15	16.64	15.49	16.39	14.60	20.02	15.88	16.05	14.33	16.68	---
11	18.52	18.80	17.42	15.62	16.43	14.25	19.84	16.05	16.46	14.26	17.27	---
12	18.76	18.56	16.90	15.85	16.20	14.76	19.84	15.94	16.77	14.32	17.87	---
13	18.71	18.51	16.93	15.67	16.93	15.06	19.83	15.73	16.84	14.04	17.57	---
14	18.51	18.92	17.40	15.98	17.00	15.17	19.83	15.26	17.06	14.28	17.37	---
15	18.25	19.06	17.38	16.42	17.01	15.57	19.82	15.38	16.99	14.15	17.26	---
16	18.48	18.96	16.97	16.49	18.04	15.65	19.81	15.24	16.64	14.82	17.39	---
17	18.65	19.08	16.89	16.46	16.87	15.33	19.83	15.38	16.53	15.18	17.32	---
18	18.63	18.75	17.20	16.58	16.70	15.36	17.38	15.43	16.98	15.62	17.03	---
19	18.74	18.39	17.48	16.71	18.40	15.55	18.18	15.43	16.93	15.72	16.83	---
20	18.87	18.44	17.38	16.47	18.66	16.09	16.45	15.36	16.84	15.77	17.00	---
21	18.65	18.85	17.43	15.03	18.10	16.24	17.48	15.52	16.61	15.64	17.06	---
22	18.17	18.74	17.05	14.96	18.73	16.49	15.99	15.87	14.87	15.55	16.86	---
23	18.46	18.40	16.55	14.56	18.18	14.86	17.18	16.27	14.23	15.86	16.89	---
24	19.22	18.40	16.33	14.23	18.00	15.94	15.85	16.42	13.71	15.99	16.98	---
25	19.45	18.24	16.49	14.39	15.95	14.41	18.06	16.38	13.81	16.34	16.91	---
26	19.37	18.09	15.93	14.16	17.64	15.00	17.13	16.33	14.05	16.43	16.76	17.75
27	19.18	18.07	16.48	13.73	17.22	16.06	16.51	15.89	14.00	14.30	16.79	17.99
28	18.79	18.65	16.66	13.95	17.33	14.40	16.03	15.80	14.21	15.96	16.83	17.75
29	18.43	18.86	16.78	14.54	---	14.82	15.53	16.05	14.32	16.60	17.07	17.51
30	18.53	18.78	16.54	14.99	---	16.48	15.49	16.00	14.50	16.30	17.13	17.35
31	18.77	---	16.24	14.90	---	14.19	---	16.19	---	16.37	15.79	---
MEAN	18.51	18.67	17.27	15.45	16.92	15.43	17.25	15.81	15.80	15.13	16.95	18.49
WTR YR 1979	MEAN	16.69		HIGH	13.27		LOW	21.99				

STILL RUN BASIN

247

GROUND-WATER LEVEL MONITORING SITES--Continued

STATION NUMBER 373452081254301 LOCAL NUMBER 333R
 LATITUDE 373452 LONGITUDE 0812543 WELL DEPTH 50 FEET

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
 INSTANTANEOUS OBSERVATIONS AT 1200

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.31	18.05										
2	17.46	17.98										
3	17.53	17.53										
4	17.66	17.44										
5	17.59	17.61										
6	17.34	17.78										
7	17.36	17.87										
8	17.54	17.94										
9	17.24	17.74										
10	17.56	17.66										
11	17.51	17.46										
12	17.45	17.12										
13	17.43	17.30										
14	17.10	17.42										
15	17.13	17.50										
16	17.20	17.56										
17	17.26	17.32										
18	17.35	17.24										
19	17.43	17.58										
20	17.53	17.91										
21	17.36	18.02										
22	17.39	17.85										
23	17.46	17.81										
24	17.55	17.88										
25	17.65	17.56										
26	17.94	17.59										
27	17.82	17.53										
28	17.59	17.54										
29	17.47	17.59										
30	17.91	17.64										
31	18.03	---										
MEAN	17.49	17.63										
WTR YR 1980	MEAN	17.56		HIGH	17.10		LOW	18.05				

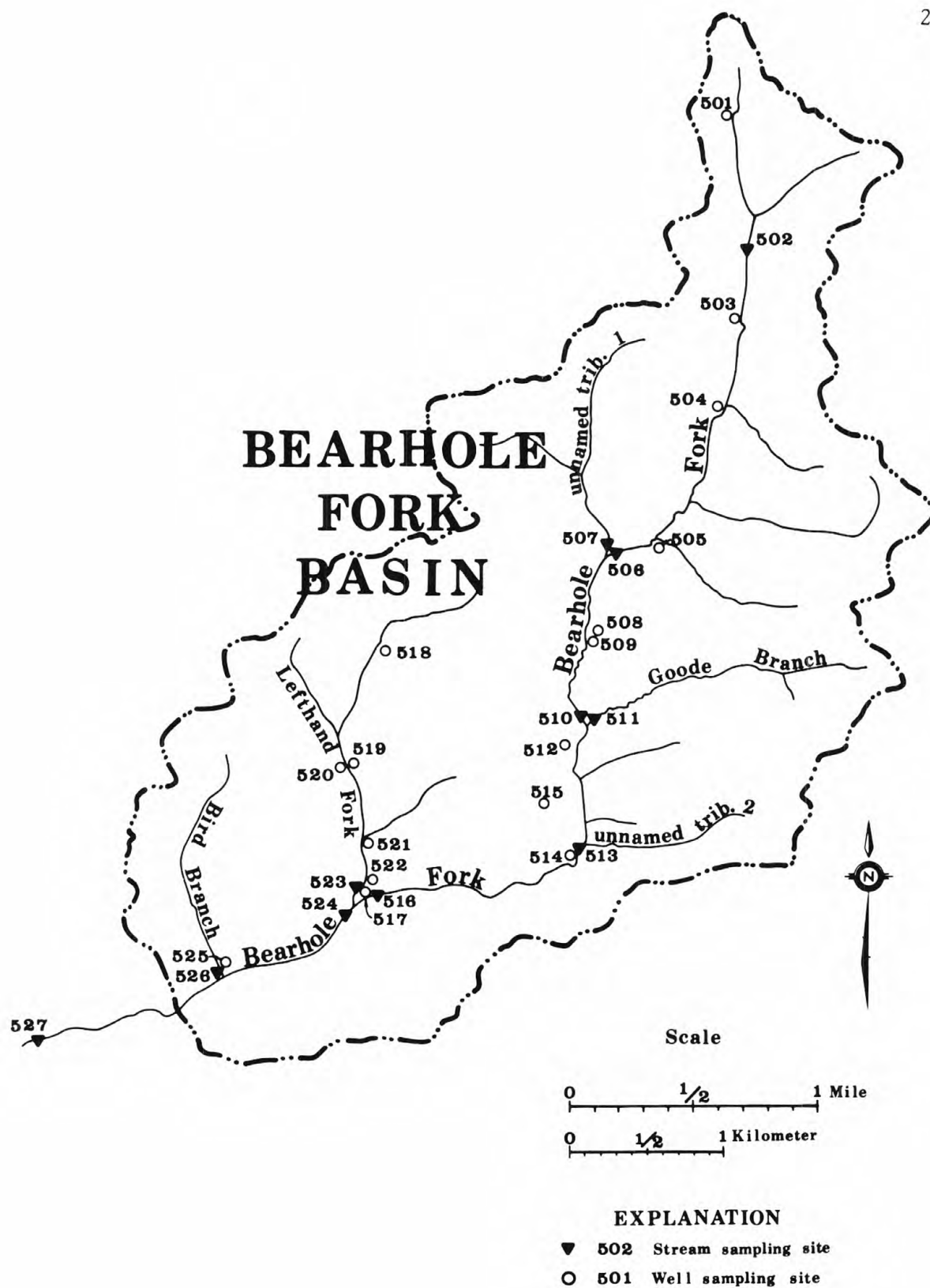


FIGURE 14.--LOCATION OF SAMPLING SITES
IN THE BEARHOLE FORK BASIN

BEARHOLE FORK BASIN
STREAM SAMPLING SITES

SITE NUMBER	DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
502	373751081284601 - BEARHOLE FORK @ HEADWATERS LAT 37 37 51 LONG 081 28 46											
	JUN , 1977											
	06...	1740	--	210	7.4	18.0	--	--	48	25	12	4.4
	JUL											
	12...	1600	.04	190	6.7	23.0	--	7.6	46	19	11	4.6
	SEP , 1978											
	12...	1500	.10	213	7.1	20.0	7.0	--	--	--	--	--
	21...	1020	.01	250	6.7	19.0	--	--	65	30	15	6.7
	OCT , 1979											
	23...	1930	.18	100	6.6	11.0	--	--	26	3	6.2	2.6
506	373649081292101 - BEARHOLE FORK ABOVE UNNAMED TRIBUTARY 1 LAT 37 36 49 LONG 081 29 21											
	JUN , 1977											
	06...	--	--	160	7.0	17.5	--	--	--	--	--	--
	JUL											
	14...	0820	.05	130	6.7	20.0	--	5.3	28	8	6.7	2.8
	SEP , 1978											
	21...	1015	--	168	6.5	19.0	--	--	--	--	--	--
	OCT , 1979											
	23...	1730	.47	70	6.4	12.0	--	--	18	11	4.1	1.9
507	373653081292101 - MOUTH OF UNNAMED TRIB 1 TO BEARHOLE FK LAT 37 36 53 LONG 081 29 21											
	JUN , 1977											
	06...	--	--	90	7.0	16.0	--	--	--	--	--	--
	JUL											
	14...	0830	--	55	6.7	18.0	--	6.5	--	--	--	--
	SEP , 1978											
	21...	1010	.00	105	6.5	19.0	--	--	--	--	--	--
	OCT , 1979											
	23...	1700	.05	50	6.4	11.0	--	--	11	4	2.3	1.2
510	373615081292801 - BEARHOLE FORK ABOVE GOODE BRANCH LAT 37 36 15 LONG 081 29 28											
	JUN , 1977											
	06...	--	--	130	7.0	18.0	--	--	--	--	--	--
	SEP , 1978											
	21...	0955	--	140	6.4	19.0	--	--	--	--	--	--
	OCT , 1979											
	23...	1600	1.1	65	6.2	13.0	--	--	15	3	3.4	1.5
511	373616081292401 - GOODE BRANCH @ MOUTH LAT 37 36 16 LONG 081 29 24											
	JUN , 1977											
	06...	--	--	160	7.0	16.0	--	--	--	--	--	--
	JUL											
	14...	0930	--	135	6.1	19.5	--	6.7	--	--	--	--
	SEP , 1978											
	21...	0950	<.01	140	6.9	19.5	--	--	--	--	--	--
	OCT , 1979											
	23...	1725	.13	80	6.5	11.5	--	--	21	0	5.5	1.8
513	373547081292901 - BEARHOLE FORK BELOW UNNAMED TRIBUTARY 2 LAT 37 35 47 LONG 081 29 29											
	SEP , 1978											
	21...	0940	--	150	7.4	18.0	--	--	--	--	--	--
	OCT , 1979											
	23...	1500	1.7	80	5.8	13.0	--	--	17	0	4.2	1.6

BEARHOLE FORK BASIN

251

STREAM SAMPLING SITES--Continued

SITE NUMBER	DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
502	373751081284601 - BEARHOLE FORK @ HEADWATERS LAT 37 37 51 LONG 081 28 46										
	JUN , 1977										
	06...	13	--	28	--	23	1.8	12	27	--	--
	JUL										
	12...	14	2.2	33	0	27	11	1.7	32	.0	6.2
	SEP , 1978										
	12...	--	--	--	--	--	--	--	--	--	--
	21...	23	2.4	--	--	35	--	5.1	57	.0	5.2
	OCT , 1979										
	23...	6.6	1.8	--	--	23	--	7.9	10	.0	7.5
506	373649081292101 - BEARHOLE FORK ABOVE UNNAMED TRIBUTARY 1 LAT 37 36 49 LONG 081 29 21										
	JUN , 1977										
	06...	--	--	--	--	--	--	--	--	--	--
	JUL										
	14...	8.8	2.3	25	0	21	8.0	4.4	19	.0	4.8
	SEP , 1978										
	21...	--	--	--	--	--	--	--	--	--	--
	OCT , 1979										
	23...	4.2	2.2	--	--	7	--	6.2	6.2	.0	6.8
507	373653081292101 - MOUTH OF UNNAMED TRIB 1 TO BEARHOLE FK LAT 37 36 53 LONG 081 29 21										
	JUN , 1977										
	06...	--	--	--	--	--	--	--	--	--	--
	JUL										
	14...	--	--	--	--	--	--	--	--	--	--
	SEP , 1978										
	21...	--	--	--	--	--	--	--	--	--	--
	OCT , 1979										
	23...	1.1	1.6	--	--	7	--	5.1	.7	.0	6.6
510	373615081292801 - BEARHOLE FORK ABOVE GOODE BRANCH LAT 37 36 15 LONG 081 29 28										
	JUN , 1977										
	06...	--	--	--	--	--	--	--	--	--	--
	SEP , 1978										
	21...	--	--	--	--	--	--	--	--	--	--
	OCT , 1979										
	23...	3.8	1.9	--	--	12	--	6.0	4.7	.0	6.5
511	373616081292401 - GOODE BRANCH @ MOUTH LAT 37 36 16 LONG 081 29 24										
	JUN , 1977										
	06...	--	--	--	--	--	--	--	--	--	--
	JUL										
	14...	--	--	--	--	--	--	--	--	--	--
	SEP , 1978										
	21...	--	--	--	--	--	--	--	--	--	--
	OCT , 1979										
	23...	3.4	2.5	--	--	26	--	5.1	5.1	.0	5.6
513	373547081292901 - BEARHOLE FORK BELOW UNNAMED TRIBUTARY 2 LAT 37 35 47 LONG 081 29 29										
	SEP , 1978										
	21...	--	--	--	--	--	--	--	--	--	--
	OCT , 1979										
	23...	5.6	1.7	--	--	21	--	5.9	5.2	.0	6.8

BEARHOLE FORK BASIN

STREAM SAMPLING SITES--Continued

SITE NUMBER	DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS P04)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ALUM- INUM, SUS- PENDEO RECOV. (UG/L AS AL)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
502	373751081284601 - BEARHOLE FORK @ HEADWATERS LAT 37 37 51 LONG 081 28 46										
	JUN . 1977										
	06...	--	--	--	--	--	--	--	--	--	--
	JUL										
	12...	114	89	.01	.53	.00	.00	270	60	210	0
	SEP . 1978										
	12...	--	--	--	--	--	--	--	--	--	--
	21...	166	136	.00	--	--	--	--	--	20	--
	OCT . 1979										
	23...	57	56	.03	--	--	--	--	--	--	--
506	373649081292101 - BEARHOLE FORK ABOVE UNNAMED TRIBUTARY 1 LAT 37 36 49 LONG 081 29 21										
	JUN . 1977										
	06...	--	--	--	--	--	--	--	--	--	--
	JUL										
	14...	72	63	.01	.93	.03	.00	320	80	240	0
	SEP . 1978										
	21...	--	--	--	--	--	--	--	--	--	--
	OCT . 1979										
	23...	45	36	.06	--	--	--	--	--	--	--
507	373653081292101 - MOUTH OF UNNAMED TRIB 1 TO BEARHOLE FK LAT 37 36 53 LONG 081 29 21										
	JUN . 1977										
	06...	--	--	--	--	--	--	--	--	--	--
	JUL										
	14...	--	--	--	--	--	--	--	--	--	--
	SEP . 1978										
	21...	--	--	--	--	--	--	--	--	--	--
	OCT . 1979										
	23...	30	23	.00	--	--	--	--	--	--	--
510	373615081292801 - BEARHOLE FORK ABOVE GOODE BRANCH LAT 37 36 15 LONG 081 29 28										
	JUN . 1977										
	06...	--	--	--	--	--	--	--	--	--	--
	SEP . 1978										
	21...	--	--	--	--	--	--	--	--	--	--
	OCT . 1979										
	23...	41	35	.12	--	--	--	--	--	--	--
511	373616081292401 - GOODE BRANCH @ MOUTH LAT 37 36 16 LONG 081 29 24										
	JUN . 1977										
	06...	--	--	--	--	--	--	--	--	--	--
	JUL										
	14...	--	--	--	--	--	--	--	--	--	--
	SEP . 1978										
	21...	--	--	--	--	--	--	--	--	--	--
	OCT . 1979										
	23...	50	45	.02	--	--	--	--	--	--	--
513	373547081292901 - BEARHOLE FORK BELOW UNNAMED TRIBUTARY 2 LAT 37 35 47 LONG 081 29 29										
	SEP . 1978										
	21...	--	--	--	--	--	--	--	--	--	--
	OCT . 1979										
	23...	44	44	.20	--	--	--	--	--	--	--

253

[illegible]

BEARHOLE FORK BASIN

STREAM SAMPLING SITES--Continued

SITE NUMBER	DATE	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)
502	373751081284601 - BEARHOLE FORK @ HEADWATERS LAT 37 37 51 LONG 081 28 46										
	JUN * 1977										
	06...	--	--	--	--	--	--	--	--	--	--
	JUL										
	12...	0	200	.0	.0	.0	10	10	0	6.1	28
	SEP * 1978										
	12...	--	--	--	--	--	--	--	--	--	--
	21...	--	540	--	--	--	--	--	--	--	--
	OCT * 1979										
	23...	--	--	--	--	--	--	--	--	--	--
506	373649081292101 - BEARHOLE FORK ABOVE UNNAMED TRIBUTARY 1 LAT 37 36 49 LONG 081 29 21										
	JUN * 1977										
	06...	--	--	--	--	--	--	--	--	--	--
	JUL										
	14...	10	360	.1	.0	.1	10	0	10	5.1	200
	SEP * 1978										
	21...	--	--	--	--	--	--	--	--	--	--
	OCT * 1979										
	23...	--	--	--	--	--	--	--	--	--	--
507	373653081292101 - MOUTH OF UNNAMED TRIB 1 TO BEARHOLE FK LAT 37 36 53 LONG 081 29 21										
	JUN * 1977										
	06...	--	--	--	--	--	--	--	--	--	--
	JUL										
	14...	--	--	--	--	--	--	--	--	--	--
	SEP * 1978										
	21...	--	--	--	--	--	--	--	--	--	--
	OCT * 1979										
	23...	--	--	--	--	--	--	--	--	--	--
510	373615081292801 - BEARHOLE FORK ABOVE GOODE BRANCH LAT 37 36 15 LONG 081 29 28										
	JUN * 1977										
	06...	--	--	--	--	--	--	--	--	--	--
	SEP * 1978										
	21...	--	--	--	--	--	--	--	--	--	--
	OCT * 1979										
	23...	--	--	--	--	--	--	--	--	--	--
511	373616081292401 - GOODE BRANCH @ MOUTH LAT 37 36 16 LONG 081 29 24										
	JUN * 1977										
	06...	--	--	--	--	--	--	--	--	--	--
	JUL										
	14...	--	--	--	--	--	--	--	--	--	--
	SEP * 1978										
	21...	--	--	--	--	--	--	--	--	--	--
	OCT * 1979										
	23...	--	--	--	--	--	--	--	--	--	--
513	373547081292901 - BEARHOLE FORK BELOW UNNAMED TRIBUTARY 2 LAT 37 35 47 LONG 081 29 29										
	SEP * 1978										
	21...	--	--	--	--	--	--	--	--	--	--
	OCT * 1979										
	23...	--	--	--	--	--	--	--	--	--	--

BEARHOLE FORK BASIN
STREAM SAMPLING SITES--Continued

SITE NUMBER	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
516	373537081302701 - BEARHOLE FORK ABOVE LEFTHAND FORK LAT 37 35 37 LONG 081 30 27											
	JUN , 1977											
	06...	--	--	160	7.7	18.5	--	--	--	--	--	--
	JUL											
	14...	0945	.29	145	7.2	20.5	--	8.4	28	0	7.3	2.3
	SEP , 1978											
	21...	0930	--	150	7.2	19.5	--	--	--	--	--	--
	OCT , 1979											
	23...	1300	2.0	80	6.6	13.0	--	--	20	0	5.0	1.8
523	373537081302801 - LEFTHAND FORK @ MOUTH LAT 37 35 37 LONG 081 30 28											
	JUN , 1977											
	06...	--	--	70	7.6	15.5	--	--	--	--	--	--
	JUL											
	14...	1045	.30	55	6.7	20.0	--	7.9	12	0	2.7	1.3
	SEP , 1978											
	21...	0915	.01	55	7.3	19.0	--	--	18	0	3.9	2.0
	OCT , 1979											
	23...	1330	.79	50	6.6	13.0	--	--	11	4	2.4	1.1
524	373536081302801 - BEARHOLE FORK BELOW LEFTHAND FORK LAT 37 35 36 LONG 081 30 28											
	JUN , 1977											
	06...	--	--	125	7.6	17.0	--	--	--	--	--	--
526	373523081310201 - BIRD BRANCH AT MOUTH LAT 37 35 23 LONG 081 31 02											
	SEP , 1978											
	21...	0900	<.01	142	7.1	20.0	--	--	63	0	19	3.7
527	373509081315301 - BEARHOLE FORK AT MOUTH LAT 37 35 09 LONG 081 31 53											
	JUN , 1977											
	06...	--	--	150	8.1	20.0	--	--	--	--	--	--
	JUL											
	11...	1440	.72	105	8.2	21.5	--	7.7	27	0	6.9	2.3
	MAR , 1978											
	09...	1530	.49	60	7.3	6.0	--	--	13	6	3.2	1.3

BEARHOLE FORK BASIN

257

STREAM SAMPLING SITES--Continued

SITE NUMBER	DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
516	373537081302701 - BEARHOLE FORK ABOVE LEFTHAND FORK LAT 37 35 37 LONG 081 30 27										
	JUN . 1977										
	06...	--	--	--	--	--	--	--	--	--	--
	JUL										
	14...	13	1.9	42	0	34	4.2	4.3	11	.0	6.4
	SEP . 1978										
	21...	--	--	--	--	--	--	--	--	--	--
	OCT . 1979										
	23...	5.8	1.9	--	--	22	--	6.7	5.1	.0	6.7
523	373537081302801 - LEFTHAND FORK @ MOUTH LAT 37 35 37 LONG 081 30 28										
	JUN . 1977										
	06...	--	--	--	--	--	--	--	--	--	--
	JUL										
	14...	1.8	1.5	20	0	16	6.4	3.3	1.7	.0	6.5
	SEP . 1978										
	21...	4.0	1.8	--	--	19	--	3.8	3.5	.0	6.3
	OCT . 1979										
	23...	1.4	1.5	--	--	7	--	5.2	1.1	.0	6.4
524	373536081302801 - BEARHOLE FORK BELOW LEFTHAND FORK LAT 37 35 36 LONG 081 30 28										
	JUN . 1977										
	06...	--	--	--	--	--	--	--	--	--	--
526	373523081310201 - BIRD BRANCH AT MOUTH LAT 37 35 23 LONG 081 31 02										
	SEP . 1978										
	21...	6.9	1.9	--	--	66	--	11	1.9	.1	4.9
527	373509081315301 - BEARHOLE FORK AT MOUTH LAT 37 35 09 LONG 081 31 53										
	JUN . 1977										
	06...	--	--	--	--	--	--	--	--	--	--
	JUL										
	11...	10	1.8	39	0	32	.4	6.9	8.5	.1	5.0
	MAR . 1978										
	09...	5.7	1.4	9	0	7	.7	6.6	6.9	.0	4.9

BEARHOLE FORK BASIN

STREAM SAMPLING SITES--Continued

SITE NUMBER	DATE	SOLIDS RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS SUM OF CONSTITUENTS DIS- SOLVED (MG/L)	SOLIDS DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ALUM- INUM, SUS- PENDE RECOV. (UG/L AS AL)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
516	373537081302701 - BEARHOLE FORK ABOVE LEFTHAND FORK LAT 37 35 37 LONG 081 30 27										
	JUN . 1977										
	06...	--	--	--	--	--	--	--	--	--	--
	JUL										
	14...	74	69	.06	1.4	.00	.00	340	110	230	0
	SEP . 1978										
	21...	--	--	--	--	--	--	--	--	--	--
	OCT . 1979										
	23...	49	46	.26	--	--	--	--	--	--	--
523	373537081302801 - LEFTHAND FORK @ MOUTH LAT 37 35 37 LONG 081 30 28										
	JUN . 1977										
	06...	--	--	--	--	--	--	--	--	--	--
	JUL										
	14...	25	30	.02	1.1	.00	.00	330	140	190	0
	SEP . 1978										
	21...	43	37	.00	--	--	--	--	--	30	--
	OCT . 1979										
	23...	30	23	.06	--	--	--	--	--	--	--
524	373536081302801 - BEARHOLE FORK BELOW LEFTHAND FORK LAT 37 35 36 LONG 081 30 28										
	JUN . 1977										
	06...	--	--	--	--	--	--	--	--	--	--
526	373523081310201 - BIRD BRANCH AT MOUTH LAT 37 35 23 LONG 081 31 02										
	SEP . 1978										
	21...	95	90	--	--	--	--	--	--	40	--
527	373509081315301 - BEARHOLE FORK AT MOUTH LAT 37 35 09 LONG 081 31 53										
	JUN . 1977										
	06...	--	--	--	--	--	--	--	--	--	--
	JUL										
	11...	67	62	.13	.53	.00	.12	280	80	200	0
	MAR . 1978										
	09...	42	35	5.56	--	--	--	--	--	20	--

BEARHOLE FORK BASIN

259

STREAM SAMPLING SITES--Continued

SITE NUMBER	DATE	CADMIUM SUS- PENDE- RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE- RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
516	373537081302701 - BEARHOLE FORK ABOVE LEFTHAND FORK LAT 37 35 37 LONG 081 30 27										
	JUN , 1977										
	06...	--	--	--	--	--	--	--	--	--	--
	JUL										
	14...	0	0	20	0	180	80	5	1	4	10
	SEP , 1978										
	21...	--	--	--	--	--	--	--	--	--	--
	OCT , 1979										
	23...	--	--	--	--	--	--	--	--	--	--
523	373537081302801 - LEFTHAND FORK @ MOUTH LAT 37 35 37 LONG 081 30 28										
	JUN , 1977										
	06...	--	--	--	--	--	--	--	--	--	--
	JUL										
	14...	0	0	10	0	240	50	4	0	4	50
	SEP , 1978										
	21...	--	--	--	--	--	140	--	--	--	--
	OCT , 1979										
	23...	--	--	--	--	--	--	--	--	--	--
524	373536081302801 - BEARHOLE FORK BELOW LEFTHAND FORK LAT 37 35 36 LONG 081 30 28										
	JUN , 1977										
	06...	--	--	--	--	--	--	--	--	--	--
526	373523081310201 - BIRD BRANCH AT MOUTH LAT 37 35 23 LONG 081 31 02										
	SEP , 1978										
	21...	--	--	--	--	--	560	--	--	--	--
527	373509081315301 - BEARHOLE FORK AT MOUTH LAT 37 35 09 LONG 081 31 53										
	JUN , 1977										
	06...	--	--	--	--	--	--	--	--	--	--
	JUL										
	11...	0	0	20	0	220	50	4	0	4	20
	MAR , 1978										
	09...	--	--	--	--	--	20	--	--	--	--

BEARHOLE FORK BASIN

STREAM SAMPLING SITES--Continued

SITE NUMBER	DATE	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)
516	373537081302701 - BEARHOLE FORK ABOVE LEFTHAND FORK LAT 37 35 37 LONG 081 30 27										
	JUN • 1977										
	06...	--	--	--	--	--	--	--	--	--	--
	JUL										
	14...	0	10	.1	.0	.1	20	20	0	5.4	290
	SEP • 1978										
	21...	--	--	--	--	--	--	--	--	--	--
	OCT • 1979										
	23...	--	--	--	--	--	--	--	--	--	--
523	373537081302801 - LEFTHAND FORK @ MOUTH LAT 37 35 37 LONG 081 30 28										
	JUN • 1977										
	06...	--	--	--	--	--	--	--	--	--	--
	JUL										
	14...	10	40	.0	.0	.0	10	10	0	5.2	32
	SEP • 1978										
	21...	--	140	--	--	--	--	--	--	--	--
	OCT • 1979										
	23...	--	--	--	--	--	--	--	--	--	--
524	373536081302801 - BEARHOLE FORK BELOW LEFTHAND FORK LAT 37 35 36 LONG 081 30 28										
	JUN • 1977										
	06...	--	--	--	--	--	--	--	--	--	--
526	373523081310201 - BIRD BRANCH AT MOUTH LAT 37 35 23 LONG 081 31 02										
	SEP • 1978										
	21...	--	350	--	--	--	--	--	--	--	--
527	373509081315301 - BEARHOLE FORK AT MOUTH LAT 37 35 09 LONG 081 31 53										
	JUN • 1977										
	06...	--	--	--	--	--	--	--	--	--	--
	JUL										
	11...	10	10	.1	.1	.0	20	10	10	5.8	580
	MAR • 1978										
	09...	--	40	--	--	--	--	--	--	--	--

BEARHOLE FORK BASIN

WELL SAMPLING SITES

SITE NUMBER	STATION	NUMBER	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)
501	373819081284901		78-01-19	--	60	240	7.1	--	57	2	15	4.7	5.6
503	373740081285001		78-01-19	--	78	190	6.2	9.0	46	9	12	3.9	4.6
504	373719081285401		76-10-28	--	93	110	6.9	11.0	27	11	8.0	1.8	3.0
			78-01-19	--	93	130	6.2	8.5	32	8	9.5	2.1	3.8
505	373651081290701		78-01-19	--	98	195	6.0	9.5	26	7	6.2	2.6	5.5
508	373636081292401		78-01-19	--	104	215	6.9	10.5	65	0	20	3.6	13
509	373635081292701		78-01-18	--	40	140	6.3	11.0	28	0	7.5	2.3	9.4
512	373609081293401		76-10-28	--	103	180	7.1	12.0	66	0	22	2.6	3.8
514	373546081293101		78-01-18	--	90	230	6.8	13.0	61	0	19	3.3	18
515	373600081294401		78-01-19	--	134	310	6.5	12.5	140	5	38	10	4.7
517	373539081302401		77-01-25	--	52	250	6.9	12.0	24	0	6.9	1.7	48
			78-01-18	--	52	280	7.4	11.5	27	0	8.1	1.7	50
518	373627081302201		78-01-17	--	30	120	6.2	10.5	28	3	8.9	1.4	3.0
519	373606081302701		78-01-17	--	75	150	6.7	10.0	49	0	15	2.9	6.0
520	373604081302901		78-01-17	--	75	110	6.5	9.0	19	0	4.7	1.8	5.0
521	373548081302501		77-03-03	--	172	385	7.3	11.5	79	0	23	5.2	54
			78-01-17	--	172	390	7.0	11.0	61	0	18	4.0	65
522	373542081302401		78-01-18	--	64	290	6.5	8.0	51	0	14	3.9	26
525	373524081310301		78-01-17	--	75	140	6.3	12.0	47	8	13	3.6	6.5

BEARHOLE FORK BASIN

WELL SAMPLING SITES--Continued

SITE NUMBER	STATION	NUMBER	DATE OF SAMPLE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SILICA, DIS- SOLVED (MG/L AS SI02)
501	373819081284901	78-01-19		1.4	67	0	55	8.5	6.0	1.4	11
503	373740081285001	78-01-19		1.3	45	0	37	45	3.0	5.5	12
504	373719081285401	76-10-28		.8	20	--	16	4.0	16	5.7	12
		78-01-19		1.1	30	0	25	30	6.8	4.5	11
505	373651081290701	78-01-19		1.2	24	0	20	38	4.7	10	6.6
508	373636081292401	78-01-19		1.3	83	0	68	17	3.6	10	16
509	373635081292701	78-01-18		1.0	46	0	38	37	3.2	4.6	13
512	373609081293401	76-10-28		.9	82	--	67	10	9.5	2.1	16
514	373546081293101	78-01-18		1.1	100	0	82	25	2.0	6.1	15
515	373600081294401	78-01-19		1.4	160	0	130	81	5.3	1.4	16
517	373539081302401	77-01-25		.8	149	--	122	30	1.4	7.8	12
		78-01-18		.9	140	0	110	8.9	3.3	6.5	12
518	373627081302201	78-01-17		.8	30	0	25	30	3.2	1.4	12
519	373606081302701	78-01-17		1.1	66	0	54	21	1.4	1.4	16
520	373604081302901	78-01-17		1.0	33	0	27	17	1.2	1.4	15
521	373548081302501	77-03-03		1.1	173	--	142	14	29	14	15
		78-01-17		1.0	160	0	130	26	42	11	13
522	373542081302401	78-01-18		1.4	93	0	76	47	8.1	15	10
525	373524081310301	78-01-17		1.4	48	0	39	38	12	2.7	10

SITE NUMBER	STATION	NUMBER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
501	373819081284901	78-01-19		105	26000	890
503	373740081285001	78-01-19		74	9000	590
504	373719081285401	76-10-28		62	4300	270
		78-01-19		54	0	300
505	373651081290701	78-01-19		50	10	1800
508	373636081292401	78-01-19		110	1600	80
509	373635081292701	78-01-18		71	6700	260
512	373609081293401	76-10-28		104	6500	350
514	373546081293101	78-01-18		119	5000	190
515	373600081294401	78-01-19		156	460	310
517	373539081302401	77-01-25		153	780	40
		78-01-18		153	1000	50
518	373627081302201	78-01-17		46	0	350
519	373606081302701	78-01-17		82	4400	1200
520	373604081302901	78-01-17		61	13000	1200
521	373548081302501	77-03-03		227	40	50
		78-01-17		233	80	70
522	373542081302401	78-01-18		136	11000	900
525	373524081310301	78-01-17		73	120	20

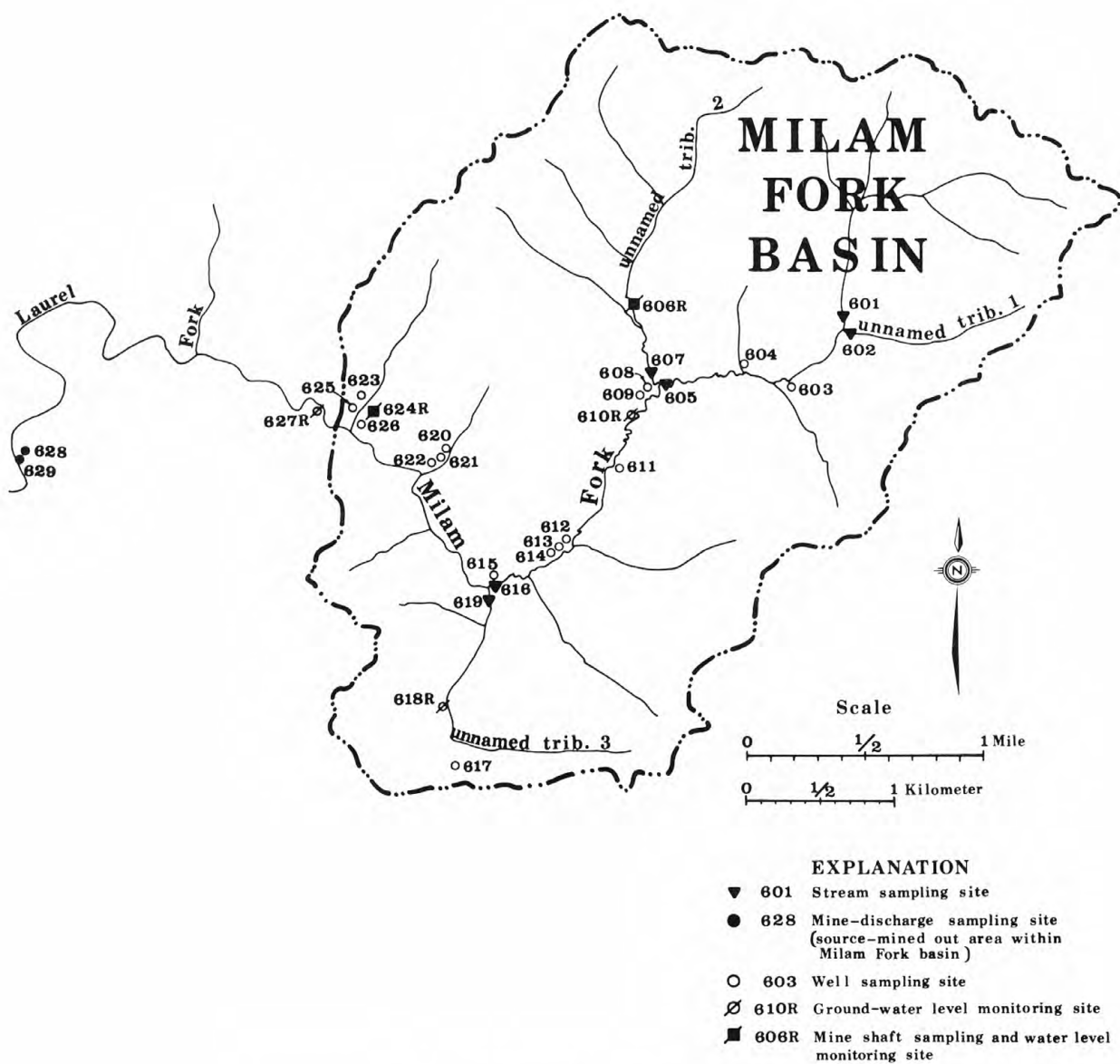


FIGURE 15.--LOCATION OF SAMPLING SITES
IN THE MILAM FORK BASIN

MILAM FORK BASIN
STREAM SAMPLING SITES

SITE NUMBER	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)
601	374110081261001 - MILAM FORK ABOVE UNNAMED TRIBUTARY 1 LAT 37 41 10 LONG 081 26 10										
	OCT , 1979 23...	1350	.54	110	7.1	12.5	28	0	6.0	3.1	9.8
602	374109081261001 - MOUTH OF UNNAMED TRIBUTARY 1 TO MILAM FORK LAT 37 41 09 LONG 081 26 10										
	OCT , 1979 23...	1250	.18	90	6.9	11.5	31	6	6.5	3.7	2.0
605	374058081270001 - MILAM FORK ABOVE UNNAMED TRIBUTARY 2 LAT 37 40 58 LONG 081 27 00										
	OCT , 1979 23...	1155	1.2	100	6.9	12.5	31	2	6.7	3.5	6.8
607	374100081270301 - MOUTH OF UNNAMED TRIBUTARY 2 TO MILAM FORK LAT 37 41 00 LONG 081 27 03										
	OCT , 1979 23...	1615	.37	86	6.6	12.0	24	2	5.5	2.5	6.7
616	374014081274701 - MILAM FORK ABOVE UNNAMED TRIBUTARY 3 LAT 37 40 14 LONG 081 27 47										
	OCT , 1979 23...	1745	--	133	6.8	12.5	28	0	6.1	3.0	17
619	374011081274701 - MOUTH OF UNNAMED TRIBUTARY 3 TO MILAM FORK LAT 37 40 11 LONG 081 27 47										
	OCT , 1979 23...	1400	.30	83	6.5	12.5	21	0	4.6	2.2	5.9

MILAM FORK BASIN

267

STREAM SAMPLING SITES--Continued

SITE NUMBER	DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER DAY)
601	374110081261001 - MILAM FORK ABOVE UNNAMED TRIBUTARY 1 LAT 37 41 10 LONG 081 26 10									
	OCT , 1979 23...	1.9	31	13	.7	.1	7.6	68	61	.10
602	374109081261001 - MOUTH OF UNNAMED TRIBUTARY 1 TO MILAM FORK LAT 37 41 09 LONG 081 26 10									
	OCT , 1979 23...	1.5	25	13	.5	.1	7.6	54	50	.03
605	374058081270001 - MILAM FORK ABOVE UNNAMED TRIBUTARY 2 LAT 37 40 58 LONG 081 27 00									
	OCT , 1979 23...	2.0	29	12	1.1	.1	7.7	56	57	.18
607	374100081270301 - MOUTH OF UNNAMED TRIBUTARY 2 TO MILAM FORK LAT 37 41 00 LONG 081 27 03									
	OCT , 1979 23...	1.4	22	16	.8	.0	7.5	55	54	.06
616	374014081274701 - MILAM FORK ABOVE UNNAMED TRIBUTARY 3 LAT 37 40 14 LONG 081 27 47									
	OCT , 1979 23...	1.8	44	12	3.8	.1	7.4	79	78	--
619	374011081274701 - MOUTH OF UNNAMED TRIBUTARY 3 TO MILAM FORK LAT 37 40 11 LONG 081 27 47									
	OCT , 1979 23...	2.1	21	7.7	8.4	.0	6.8	52	50	.04

MILAM FORK BASIN
MINE-DISCHARGE SAMPLING SITES

SITE NUMBER	STATION NUMBER	DATE OF SAMPLE	TIME	FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)
628	374032081295501	79-10-26	1300	1.4	320	7.5	12.0	66	0	18	5.2	48
629	374032081295601	79-10-26	1300	.18	380	7.5	11.5	68	0	18	5.5	50

SITE NUMBER	STATION NUMBER	DATE OF SAMPLE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUC- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER DAY)
628	374032081295501	79-10-26	1.6	140	41	9.2	.2	9.1	221	216	.84
629	374032081295601	79-10-26	1.6	130	40	9.2	.2	9.4	224	212	.11

MILAM FORK BASIN
WELL SAMPLING SITES

SITE NUMBER	STATION	NUMBER	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)
603	374057081262201		78-02-28	1600	101	170	6.9	10.0	61	2	14	6.2	5.4
604	374102081263701		76-10-21	--	45	240	7.1	13.5	72	0	15	8.4	14
			78-03-01	0930	45	240	6.9	11.5	71	2	15	8.2	15
608	374057081270601		78-03-01	1030	91	140	6.7	12.0	37	0	9.2	3.3	12
609	374055081270801		78-03-01	1215	72	120	6.6	10.0	35	5	8.5	3.3	6.0
610R	374052081270801		78-06-10	1130	72	235	6.6	11.0	50	0	13	4.3	11
611	374040081271101		78-03-01	1330	90	750	7.2	10.5	74	0	19	6.5	140
612	374022081272601		78-03-01	1500	52	750	7.3	10.0	39	0	10	3.5	150
613	374021081272801		78-03-01	1530	50	610	7.0	10.0	33	0	7.9	3.2	130
614	374020081272901		78-03-01	1645	37	710	7.0	11.5	39	0	10	3.5	140
615	374016081274501		76-10-21	--	84	620	7.2	14.5	60	0	16	4.8	110
			78-02-28	1330	84	690	6.8	13.0	61	0	17	4.5	130
			79-08-09	1045	84	375	6.1	15.0	30	0	7.8	2.5	66
617	373935081275801		78-02-01	0900	170	530	6.3	10.0	190	120	51	15	15
618R	373949081280501		78-06-07	1600	58	190	6.4	12.5	27	0	6.4	2.7	12
620	374042081280001		78-08-17	1145	152	280	7.2	17.5	95	--	26	7.3	40
621	374041081280201		78-08-17	1100	122	280	6.9	14.0	82	--	19	8.3	48
622	374041081280401		78-08-17	1230	158	315	7.1	13.0	52	--	13	4.7	60
623	374058081281901		78-08-16	1415	106	80	6.8	13.0	40	--	10	3.6	3.0
625	374057081282001		78-08-16	1530	--	90	5.8	13.5	34	--	7.8	3.5	6.0
			78-08-16	1630	100	--	--	--	--	--	--	--	--
626	374052081281901		78-08-16	1615	170	150	6.8	13.5	58	--	15	5.0	11
627R	374052081283201		78-05-04	1100	87	90	5.1	11.0	22	17	5.1	2.3	1.3
			78-06-06	1430	87	140	5.3	17.0	33	33	7.5	3.4	4.5

MILAM FORK BASIN
WELL SAMPLING SITES--Continued

SITE NUMBER	STATION	NUMBER	DATE OF SAMPLE	POTAS- SIUM, DIS- SOLVED	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED	SULFATE DIS- SOLVED	CHLO- RIDE, DIS- SOLVED	FLUO- RIDE, DIS- SOLVED	SILICA, DIS- SOLVED	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED
				(MG/L AS K)	(MG/L AS HCO3)	(MG/L AS CO3)	(MG/L AS CACO3)	(MG/L AS CO2)	(MG/L AS SO4)	(MG/L AS CL)	(MG/L AS F)	(MG/L AS SiO2)	(MG/L)
603	374057081262201	78-02-28	1.1	71	0	58	14	21	1.5	--	14	--	
604	374102081263701	76-10-21	1.2	89	--	73	11	31	1.9	--	16	--	
		78-03-01	1.2	85	0	70	17	29	1.0	--	15	--	
608	374057081270601	78-03-01	1.0	55	0	45	18	16	.6	--	8.9	--	
609	374055081270801	78-03-01	.9	36	0	30	14	19	1.8	--	7.8	--	
610R	374052081270801	78-06-10	1.7	64	--	53	26	15	5.7	--	8.4	--	
611	374040081271101	78-03-01	1.4	390	0	320	39	16	26	--	11	--	
612	374022081272601	78-03-01	1.4	380	0	310	30	2.8	32	--	9.6	--	
613	374021081272801	78-03-01	1.3	310	0	250	50	3.1	31	--	9.0	--	
614	374020081272901	78-03-01	1.3	350	0	290	56	2.7	31	--	9.6	--	
615	374016081274501	76-10-21	2.0	297	--	244	30	6.4	34	--	9.9	--	
		78-02-28	1.9	330	0	270	84	5.7	35	--	8.9	--	
		79-08-09	3.3	--	--	130	201	9.6	26	.1	7.8	214	
617	373935081275801	78-02-01	1.5	82	0	67	66	34	83	--	16	--	
618R	373949081280501	78-06-07	1.4	49	--	40	31	7.6	3.2	--	8.6	--	
620	374042081280001	78-08-17	1.4	--	--	130	--	37	5.7	.1	9.4	--	
621	374041081280201	78-08-17	1.5	--	--	150	--	22	19	.1	8.1	--	
622	374041081280401	78-08-17	1.7	--	--	140	--	4.0	24	.1	7.5	--	
623	374058081281901	78-08-16	1.3	--	--	20	--	23	1.9	.0	7.1	--	
625	374057081282001	78-08-16	1.8	--	--	17	--	24	3.6	.0	7.4	--	
		78-08-16	--	--	--	--	--	--	--	--	--	--	
626	374052081281901	78-08-16	1.4	--	--	32	--	19	21	.1	7.3	--	
627R	374052081283201	78-05-04	1.4	6	--	5	76	23	2.7	--	6.7	--	
		78-06-06	1.6	0	--	0	.0	28	8.1	--	7.6	--	

MILAM FORK BASIN
WELL SAMPLING SITES--Continued

SITE NUMBER	STATION NUMBER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+N03 DIS- SOLVED (MG/L AS N)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
603	374057081262201	78-02-28	102	--	3700	180
604	374102081263701	76-10-21	138	--	6300	440
		78-03-01	133	--	6400	370
608	374057081270601	78-03-01	82	--	3600	190
609	374055081270801	78-03-01	71	--	5500	360
610R	374052081270801	78-06-10	103	--	12000	670
611	374040081271101	78-03-01	418	--	5700	280
612	374022081272601	78-03-01	401	--	4500	250
613	374021081272801	78-03-01	353	--	14000	460
614	374020081272901	78-03-01	378	--	7400	270
615	374016081274501	76-10-21	344	--	14000	500
		78-02-28	375	--	9000	380
		79-08-09	201	--	--	--
617	373935081275801	78-02-01	257	--	1400	140
618R	373949081280501	78-06-07	81	--	14000	450
620	374042081280001	78-08-17	--	.19	70	70
621	374041081280201	78-08-17	--	.05	220	720
622	374041081280401	78-08-17	--	.33	5300	460
623	374058081281901	78-08-16	--	.01	840	160
625	374057081282001	78-08-16	--	.61	110	50
		78-08-16	--	--	--	--
626	374052081281901	78-08-16	--	.09	2000	320
627R	374052081283201	78-05-04	47	--	880	330
		78-06-06	62	--	590	670

MILAM FORK BASIN
MINESHAFT SAMPLING SITE

SITE NUMBER	STATION NUMBER	DATE OF SAMPLE	TIME	SAMP- LING DEPTH (FT)	DEPTH OF SHAFT, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
606R	374112081270601	79-08-08	1530	--	477	2230	7.2	16.5	78	0	18	8.0
		79-11-28	1145	14	477	1900	7.3	10.0	--	--	--	--
		79-11-28	1200	37	477	2100	7.3	9.0	88	0	21	8.6
		79-11-28	1215	87	477	2080	7.3	13.0	90	0	22	8.5
		79-11-28	1230	237	477	2080	7.3	13.5	91	0	22	8.7
624R	374057081281401	79-11-28	1250	477	477	2060	7.3	14.0	110	0	29	10
		79-08-07	1600	--	160	155	6.0	13.0	37	10	10	2.8
SITE NUMBER	STATION NUMBER	DATE OF SAMPLE	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)
606R	374112081270601	79-08-08	490	3.6	990	122	10	120	.5	11	1270	1260
		79-11-28	--	4.2	1000	--	17	110	.5	--	1260	733
		79-11-28	490	4.1	1000	--	15	110	.5	12	1230	1260
		79-11-28	500	4.5	950	--	16	110	.5	11	1270	1240
		79-11-28	500	4.1	990	--	16	110	.5	11	1260	1270
624R	374057081281401	79-11-28	500	4.0	1000	--	12	110	.5	12	1260	1280
		79-08-07	8.5	1.4	27	53	21	1.5	.0	7.4	80	69

MILAM FORK BASIN

273

GROUND-WATER LEVEL MONITORING SITES

STATION NUMBER 374052081270801 LOCAL NUMBER 610R
 LATITUDE 374052 LONGITUDE 0812708 WELL DEPTH 72 FEET

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
 INSTANTANEOUS OBSERVATIONS AT 1200

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									---	11.06	12.10	12.71
2									---	11.03	12.15	12.74
3									---	10.87	12.18	12.60
4									---	10.98	12.23	12.67
5									---	11.11	12.14	12.74
6									---	11.18	12.18	12.78
7									---	11.23	12.02	12.79
8									---	11.23	12.03	12.83
9									---	11.26	12.04	12.85
10									---	11.35	12.05	12.88
11									---	11.41	12.10	13.06
12									---	11.47	12.13	12.88
13									---	11.56	12.19	12.97
14									---	11.57	12.24	13.00
15									9.92	11.50	12.26	12.99
16									10.00	11.27	12.28	12.91
17									10.09	11.35	12.35	12.99
18									10.14	11.44	12.44	13.05
19									10.19	11.51	12.55	13.10
20									10.25	11.57	12.64	13.09
21									10.34	11.62	12.68	13.14
22									10.35	11.66	12.74	13.09
23									10.43	11.76	12.81	13.07
24									10.48	11.79	12.85	13.05
25									10.60	11.80	12.88	13.05
26									10.64	11.80	12.99	13.12
27									10.76	11.85	13.04	13.15
28									10.84	11.97	13.12	13.16
29									10.93	12.00	13.18	13.24
30									10.99	12.04	13.21	13.30
31									---	12.00	13.08	---
MEAN									10.43	11.49	12.48	12.97
WTR YR 1978	MEAN	12.03		HIGH	9.92		LOW	13.30				

MILAM FORK BASIN

GROUND-WATER LEVEL MONITORING SITES--Continued

STATION NUMBER 374052081270801 LOCAL NUMBER 610R
 LATITUDE 374052 LONGITUDE 0812708 WELL DEPTH 72 FEET

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
 INSTANTANEOUS OBSERVATIONS AT 1200

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.28	14.37	13.94	9.53	9.35	8.57	8.98	8.92	9.50	9.35	9.22	10.96
2	13.37	14.40	14.01	8.79	9.49	8.81	8.94	8.96	9.53	9.53	9.32	11.02
3	13.36	14.41	13.91	9.19	9.48	8.91	8.92	8.95	9.52	9.64	9.48	11.05
4	13.38	14.40	12.91	9.43	9.53	8.78	8.25	8.95	9.46	9.57	9.61	11.12
5	13.39	14.46	12.89	9.56	9.68	8.03	8.02	9.00	9.51	9.12	9.72	11.06
6	13.42	14.51	13.01	9.57	9.71	8.15	8.31	8.98	---	9.27	9.77	10.98
7	13.54	14.50	12.99	9.38	9.52	8.27	8.53	9.03	9.70	9.33	9.88	11.05
8	13.62	14.59	12.15	8.31	9.87	8.37	8.49	9.09	9.82	9.40	9.98	11.17
9	13.69	14.59	10.85	8.88	9.95	8.75	8.38	9.12	9.85	9.42	10.08	11.23
10	13.69	14.67	11.50	9.10	10.04	8.79	8.68	9.17	9.85	9.26	10.10	11.24
11	13.67	14.72	11.66	9.33	10.08	8.74	8.69	9.26	9.75	9.37	10.12	11.27
12	13.75	14.69	11.74	9.34	9.98	8.90	8.70	9.29	9.88	9.45	9.93	11.35
13	13.79	14.71	11.60	9.25	10.11	8.91	8.66	9.12	10.00	7.87	10.10	11.33
14	13.82	14.75	11.73	9.31	10.06	8.90	8.71	8.88	10.11	8.48	10.19	11.34
15	13.88	14.77	11.73	9.65	10.03	9.14	8.69	8.86	10.13	8.80	10.28	11.49
16	13.84	14.69	11.73	9.56	9.70	9.24	8.81	8.94	10.13	8.95	10.41	11.56
17	14.04	14.59	11.67	9.48	9.38	9.25	8.91	9.05	10.04	9.03	10.46	11.59
18	14.01	14.63	11.67	9.55	9.38	9.19	8.99	9.06	10.17	9.15	10.51	11.56
19	13.93	14.66	11.62	9.56	9.40	9.21	9.04	9.06	10.17	9.25	10.44	11.63
20	14.02	14.62	11.50	9.07	9.50	9.27	9.08	9.18	10.12	9.39	10.42	11.71
21	14.07	14.59	10.78	7.51	9.36	9.35	9.13	9.25	9.66	9.44	10.43	11.60
22	14.12	14.59	10.67	8.15	9.06	9.44	9.24	9.35	8.38	9.54	10.50	10.71
23	14.10	14.52	10.67	8.54	8.37	9.34	9.31	9.46	8.68	9.65	10.46	10.67
24	14.17	14.49	10.67	8.37	7.76	8.56	9.32	9.31	8.80	9.72	10.51	10.79
25	14.16	14.51	10.30	8.77	7.58	8.33	9.33	9.34	8.94	9.75	10.62	10.83
26	14.16	14.45	10.30	8.90	7.76	8.73	9.24	9.41	9.04	9.74	10.65	10.88
27	14.20	14.24	10.30	8.90	8.20	8.89	8.75	9.53	9.12	9.16	10.64	10.86
28	14.22	14.24	10.30	8.92	8.40	8.92	8.70	9.44	9.19	9.05	10.68	10.58
29	14.33	14.21	10.30	9.14	---	8.91	8.78	9.36	9.23	9.02	10.75	10.44
30	14.38	13.97	10.30	9.19	---	8.93	8.84	9.41	9.23	9.09	10.86	10.40
31	14.35	---	10.10	9.15	---	8.94	---	9.51	---	9.13	10.92	---
MEAN	13.86	14.52	11.60	9.08	9.31	8.86	8.81	9.17	9.57	9.26	10.23	11.12
WTR YR 1979	MEAN	10.45		HIGH	7.51		LOW	14.77				

MILAM FORK BASIN

275

GROUND-WATER LEVEL MONITORING SITES--Continued

STATION NUMBER 374052081270801 LOCAL NUMBER 610R
 LATITUDE 374052 LONGITUDE 0812708 WELL DEPTH 72 FEET

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
 INSTANTANEOUS OBSERVATIONS AT 1200

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.40	10.21										
2	10.36	9.82										
3	10.21	9.20										
4	10.05	9.46										
5	9.98	9.53										
6	10.04	9.49										
7	10.02	9.58										
8	10.12	9.52										
9	10.06	8.94										
10	9.89	9.06										
11	9.59	9.01										
12	9.56	9.16										
13	9.54	9.19										
14	9.41	9.25										
15	9.41	9.38										
16	9.47	9.47										
17	9.55	9.49										
18	9.64	9.52										
19	9.68	9.51										
20	9.74	9.54										
21	9.83	9.41										
22	9.84	8.73										
23	9.81	8.91										
24	9.91	---										
25	10.01	---										
26	10.12	---										
27	10.15	---										
28	10.12	---										
29	10.09	---										
30	10.19	---										
31	10.27	---										
MEAN	9.91	9.36										
WTR YR 1980	MEAN	9.67		HIGH	8.73		LOW	10.40				

MILAM FORK BASIN

GROUND-WATER LEVEL MONITORING SITES--Continued

STATION NUMBER 373949081280501 LOCAL NUMBER 618R
 LATITUDE 373949 LONGITUDE 0812805 WELL DEPTH 58 FEET

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
 INSTANTANEOUS OBSERVATIONS AT 1200

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									---	---	25.74	25.72
2									---	---	25.45	25.65
3									---	---	25.45	25.26
4									---	---	25.50	25.10
5									---	---	25.40	25.12
6									---	---	25.33	25.22
7									---	---	25.03	25.21
8									---	---	25.01	25.21
9									---	---	25.06	25.21
10									---	---	24.96	25.21
11									---	---	25.19	25.21
12									---	---	25.32	25.26
13									---	---	25.35	---
14									25.17	---	25.36	25.28
15									25.08	---	25.33	25.52
16									25.07	---	25.31	24.98
17									25.15	---	25.43	25.12
18									---	---	25.49	25.20
19									---	---	25.49	25.28
20									---	25.17	25.49	---
21									---	25.25	26.11	---
22									---	25.27	25.94	---
23									---	25.37	25.74	---
24									---	25.74	25.79	---
25									---	25.47	26.07	---
26									---	25.50	25.74	---
27									---	26.09	26.04	---
28									---	25.76	25.74	---
29									---	25.74	25.74	---
30									---	25.86	25.74	---
31									---	25.74	25.72	---
MEAN									25.12	25.58	25.52	25.26
WTR YR 1978	MEAN	25.43		HIGH	24.96		LOW	26.11				

MILAM FORK BASIN

277

GROUND-WATER LEVEL MONITORING SITES--Continued

STATION NUMBER 373949081280501 LOCAL NUMBER 618R
 LATITUDE 373949 LONGITUDE 0812805 WELL DEPTH 58 FEET

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
 INSTANTANEOUS OBSERVATIONS AT 1200

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	24.96	24.39	24.81	24.43	24.90	25.33	25.80	25.73	25.60	26.50
2		25.74	24.96	24.36	24.99	24.72	24.92	25.29	25.83	25.87	25.71	26.44
3		26.13	24.96	24.34	24.96	24.78	24.99	25.21	25.70	26.01	25.90	26.48
4		25.56	24.96	24.32	24.95	24.59	24.39	25.20	25.72	25.84	25.97	26.57
5		25.56	24.96	24.31	25.03	24.44	24.56	25.41	25.73	25.72	26.03	26.56
6		25.55	24.96	24.29	25.06	24.34	24.73	25.31	25.79	25.84	26.06	26.44
7		25.55	24.96	23.96	24.77	24.38	24.83	25.43	25.90	25.94	---	26.45
8		25.57	24.96	23.94	25.33	24.44	24.57	25.45	26.01	25.92	---	26.64
9		25.55	24.94	23.93	25.38	24.81	24.30	25.49	25.95	25.94	---	27.64
10		25.70	24.94	---	25.44	24.79	24.97	25.51	25.95	25.72	---	26.61
11		25.78	24.94	---	25.45	24.76	24.90	25.50	25.92	25.82	---	26.63
12		26.47	24.94	24.19	25.26	24.91	24.92	25.60	26.02	25.86	---	26.58
13		25.55	24.94	23.98	25.47	24.84	24.78	25.53	26.06	24.91	---	26.35
14		25.21	24.94	24.19	25.39	24.75	24.91	25.40	26.13	25.06	---	26.49
15		25.78	24.94	24.74	25.35	25.16	24.80	25.39	26.02	25.39	---	26.92
16		25.58	24.92	24.63	25.43	25.23	24.96	25.51	26.04	25.44	---	26.72
17		25.82	24.91	24.53	25.23	25.14	25.04	25.61	25.99	25.60	---	26.64
18		25.43	24.89	24.63	25.11	25.05	25.16	25.52	26.12	25.73	---	26.45
19		25.14	24.87	24.56	25.15	25.05	25.20	25.43	26.13	25.78	---	26.82
20		25.03	24.85	24.12	25.23	25.14	25.24	25.53	26.12	25.85	---	26.51
21		24.98	24.75	23.16	25.09	25.21	25.27	25.58	25.89	25.84	26.35	27.47
22		24.98	24.73	23.83	25.09	25.21	25.35	25.74	24.85	25.95	26.34	26.27
23		24.98	24.71	24.00	24.65	24.99	25.47	25.73	24.84	26.01	26.35	26.27
24		24.97	24.69	23.55	24.21	24.54	25.47	25.50	25.03	26.09	26.33	26.27
25		24.97	24.68	24.18	23.87	24.54	25.44	25.53	25.26	26.00	26.39	26.27
26		24.97	24.66	24.36	23.89	24.92	25.17	25.70	25.38	25.94	26.36	26.27
27		24.96	24.64	24.33	24.39	25.01	25.20	25.83	25.45	25.50	26.40	26.19
28		24.96	24.63	24.24	24.40	24.99	25.18	25.78	25.58	25.30	26.33	26.02
29		24.96	24.61	24.65	---	24.98	25.24	25.74	25.67	25.34	26.39	25.88
30		24.96	24.59	24.74	---	25.04	25.18	25.79	25.52	25.52	26.43	25.97
31		---	24.40	24.54	---	24.82	---	25.80	---	25.59	26.76	---
MEAN		25.39	24.83	24.24	24.98	24.84	25.00	25.53	25.75	25.71	26.22	26.51
WTR YR 1979	MEAN	25.33		HIGH	23.16		LOW	27.64				

MILAM FORK BASIN

GROUND-WATER LEVEL MONITORING SITES--Continued

STATION NUMBER 373949081280501 LOCAL NUMBER 618R
 LATITUDE 373949 LONGITUDE 0812805 - WELL DEPTH 58 FEET

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
 INSTANTANEOUS OBSERVATIONS AT 1200

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.05	26.23										
2	26.05	26.03										
3	26.04	25.46										
4	25.85	25.75										
5	25.92	25.78										
6	25.99	25.73										
7	26.03	25.89										
8	26.10	25.80										
9	26.03	25.82										
10	26.01	25.83										
11	25.63	25.58										
12	25.65	25.56										
13	25.85	25.65										
14	25.64	25.85										
15	25.53	25.85										
16	25.59	25.90										
17	25.69	25.91										
18	25.84	25.94										
19	25.85	26.09										
20	25.91	26.14										
21	26.06	26.18										
22	26.03	26.19										
23	26.01	26.13										
24	26.07	26.25										
25	26.11	26.04										
26	26.22	25.68										
27	26.12	25.67										
28	26.16	25.60										
29	26.30	25.77										
30	26.22	---										
31	26.27	---										
MEAN	25.96	25.87										
WTR YR 1980	MEAN	25.92		HIGH	25.46		LOW	26.30				

MILAM FORK BASIN

279

GROUND-WATER LEVEL MONITORING SITES--Continued

STATION NUMBER 374052081283201 LOCAL NUMBER 627R
 LATITUDE 374052 LONGITUDE 0812832 WELL DEPTH 87 FEET

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
 INSTANTANEOUS OBSERVATIONS AT 1200

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									---	27.93	---	28.52
2									---	27.97	---	28.52
3									---	27.97	---	28.48
4									---	27.97	---	28.48
5									---	28.02	---	28.48
6									---	28.02	---	28.48
7									---	28.05	---	28.48
8									---	28.07	---	28.48
9									---	28.07	---	28.48
10									---	28.08	---	28.48
11									---	28.10	---	28.48
12									26.88	28.13	---	---
13									26.91	28.13	---	---
14									26.92	28.13	---	---
15									27.03	28.13	---	---
16									27.08	28.06	---	---
17									27.10	28.06	---	---
18									---	28.06	---	---
19									---	28.06	---	---
20									---	---	---	---
21									---	---	---	---
22									27.63	---	28.54	---
23									27.62	---	28.55	---
24									27.63	---	28.56	---
25									27.67	---	28.58	---
26									27.72	---	28.59	---
27									27.76	---	28.60	---
28									27.81	---	28.61	---
29									27.87	---	28.63	---
30									27.91	---	28.52	---
31									---	---	28.52	---
MEAN									27.44	28.05	28.57	28.49
WTR YR 1978	MEAN	28.07		HIGH	26.88		LOW	28.63				

MILAM FORK BASIN

GROUND-WATER LEVEL MONITORING SITES--Continued

STATION NUMBER 374052081283201 LOCAL NUMBER 627R
 LATITUDE 374052 LONGITUDE 0812832 WELL DEPTH 87 FEET

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
 INSTANTANEOUS OBSERVATIONS AT 1200

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	29.46	---	23.12	22.98	23.21	---	23.21	23.34	23.31	25.74
2		29.04	29.42	---	23.16	22.98	23.21	---	23.20	23.36	23.31	25.97
3		29.04	29.34	---	23.23	22.98	23.21	---	23.24	23.39	23.31	26.00
4		29.04	29.01	---	23.26	22.98	23.08	---	23.19	23.38	23.32	26.21
5		29.05	28.86	---	23.55	22.98	23.04	---	23.18	23.28	23.32	26.43
6		29.05	28.77	---	24.46	22.98	---	---	23.22	23.30	23.36	25.98
7		29.05	28.73	---	24.75	22.98	---	---	23.30	23.32	23.39	25.98
8		29.06	28.17	---	24.89	22.98	---	---	23.45	23.32	23.42	26.07
9		29.06	26.47	---	24.98	23.02	---	---	24.75	23.33	23.45	26.24
10		29.13	26.70	---	25.65	23.02	---	---	25.61	23.32	23.49	26.45
11		29.14	26.92	---	25.85	23.02	---	---	25.52	23.33	23.53	26.68
12		29.20	26.92	23.17	25.93	23.02	---	---	25.94	23.35	23.42	26.91
13		29.23	26.62	23.17	25.93	23.04	---	---	26.17	23.11	23.45	27.12
14		29.30	26.17	23.17	25.94	23.08	---	---	26.35	23.12	23.48	27.33
15		29.34	26.17	23.17	25.84	23.14	---	---	26.52	23.15	23.52	27.54
16		29.51	26.17	23.17	23.45	23.18	---	---	26.64	23.21	23.57	27.77
17		29.51	26.17	23.17	23.26	23.21	---	---	26.46	23.27	23.81	28.02
18		29.51	26.26	23.17	23.26	23.21	---	---	26.69	23.30	24.20	28.22
19		29.51	26.23	23.17	23.26	23.22	---	---	25.69	23.31	23.81	28.37
20		29.51	26.23	23.18	23.26	23.24	---	---	25.96	23.32	23.97	28.48
21		29.51	25.07	23.18	23.26	23.30	---	---	23.17	23.34	24.36	28.60
22		29.51	25.07	23.16	23.26	23.42	---	23.31	23.12	23.37	24.73	23.46
23		29.51	25.00	23.16	23.21	24.45	---	23.38	23.14	23.41	23.79	23.30
24		29.51	24.29	23.09	23.01	23.16	---	23.42	23.18	23.45	24.00	23.30
25		29.51	23.98	23.11	22.99	23.04	---	23.49	23.23	23.49	24.20	23.30
26		29.51	24.10	23.12	22.99	23.04	---	23.88	23.25	23.52	24.37	23.30
27		29.51	24.11	23.12	22.99	23.04	---	24.01	23.29	23.33	24.38	23.30
28		29.51	24.30	23.12	22.98	23.11	---	23.42	23.32	23.29	24.59	23.29
29		29.51	24.48	23.12	---	23.16	---	23.28	23.32	23.27	24.87	23.30
30		29.51	24.67	23.12	---	23.18	---	23.21	23.33	23.28	25.18	23.30
31		---	---	23.12	---	23.21	---	23.19	---	23.30	25.48	---
MEAN		29.32	26.46	23.15	23.99	23.14	23.15	23.46	24.35	23.32	23.88	25.87
WTR YR 1979	MEAN	24.79		HIGH	22.98		LOW	29.51				

MILAM FORK BASIN

281

GROUND-WATER LEVEL MONITORING SITES--Continued

STATION NUMBER 374052081283201 LOCAL NUMBER 627R
 LATITUDE 374052 LONGITUDE Q812832 WELL DEPTH 87 FEET

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
 INSTANTANEOUS OBSERVATIONS AT 1200

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.30	23.41										
2	23.30	23.25										
3	23.30	23.13										
4	23.30	26.51										
5	23.29	25.97										
6	23.30	24.22										
7	23.29	23.54										
8	23.30	23.47										
9	23.30	23.50										
10	23.29	23.35										
11	23.26	23.26										
12	23.24	---										
13	23.14	---										
14	23.11	---										
15	23.11	---										
16	23.13	---										
17	23.15	---										
18	23.18	---										
19	23.14	---										
20	23.14	---										
21	23.16	---										
22	23.19	---										
23	23.22	---										
24	23.25	---										
25	23.28	---										
26	23.31	---										
27	23.34	---										
28	23.37	---										
29	23.33	---										
30	23.36	---										
31	23.38	---										
MEAN	23.25	23.96										
WTR YR 1980	MEAN	23.44		HIGH	23.11		LOW	26.51				

MILAM FORK BASIN

MINESHAFT WATER-LEVEL MONITORING SITES

STATION NUMBER 374112081270601 LOCAL NUMBER 606R
 LATITUDE 374112 LONGITUDE 081706 SHAFT DEPTH 477 FEET

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
 INSTANTANEOUS OBSERVATIONS AT 1200

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											---	22.23
2											---	22.25
3											---	22.10
4											---	22.11
5											---	22.15
6											---	22.18
7											---	22.10
8											---	22.10
9											---	22.14
10											---	22.16
11											---	22.14
12											---	22.10
13											---	22.16
14											---	22.29
15											---	22.30
16											---	22.28
17											---	22.32
18											---	22.38
19											---	22.49
20											---	22.53
21											---	22.62
22											21.10	22.69
23											21.22	22.72
24											21.29	22.67
25											21.40	22.68
26											21.59	22.80
27											21.75	22.86
28											21.84	22.90
29											21.97	22.99
30											22.05	23.05
31											22.19	---
MEAN											21.64	22.42
WTR YR 1978	MEAN	22.22		HIGH	21.10		LOW	23.05				

MILAM FORK BASIN

283

MINESHAFT WATER-LEVEL MONITORING SITES--Continued

STATION NUMBER 374112081270601 LOCAL NUMBER 606R
 LATITUDE 374112 LONGITUDE 081706 SHAFT DEPTH 477 FEET

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
 INSTANTANEOUS OBSERVATIONS AT 1200

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.96	25.03	25.50	---	14.72	12.90	13.96	13.68	---	14.04	13.44	17.57
2	23.07	25.12	25.50	---	14.96	13.32	13.92	13.75	---	14.27	13.59	17.63
3	23.10	25.15	25.37	---	15.01	13.55	13.96	13.73	---	14.49	13.85	17.70
4	23.17	25.12	24.86	---	15.02	13.42	13.05	13.71	---	14.50	15.10	17.79
5	23.23	25.08	24.63	---	15.24	12.90	12.66	13.84	---	14.08	15.29	17.77
6	23.28	25.14	24.56	---	15.55	12.34	12.50	13.81	---	14.02	15.41	17.74
7	23.43	25.14	24.52	---	15.33	12.37	12.80	13.90	---	14.15	15.54	17.87
8	23.62	25.27	24.06	---	15.69	12.62	12.80	14.00	---	14.28	15.70	18.04
9	23.76	25.34	22.87	---	15.84	13.07	12.65	14.13	---	14.37	15.87	18.15
10	23.83	25.45	22.58	---	16.08	13.25	12.96	14.19	---	14.29	15.93	18.19
11	23.82	25.57	22.55	15.55	16.17	13.34	13.06	14.25	---	14.40	15.94	18.21
12	23.86	25.60	22.28	15.48	16.12	13.58	13.13	14.30	---	14.57	15.83	18.28
13	23.94	25.62	21.97	15.28	16.29	13.74	13.12	14.13	15.27	14.05	16.12	18.28
14	24.00	25.65	---	15.24	16.32	13.72	13.23	13.55	15.46	13.67	16.28	18.18
15	24.12	25.68	---	15.68	16.28	14.09	13.25	13.35	---	13.62	16.41	18.49
16	24.23	25.72	---	15.68	16.40	14.30	13.40	13.60	---	13.72	16.62	18.66
17	24.36	25.70	---	15.62	15.81	14.40	13.56	13.80	---	13.33	16.72	18.72
18	24.42	25.74	21.64	15.65	15.75	14.38	13.70	13.86	---	14.04	16.77	18.69
19	24.34	25.88	21.30	15.69	15.78	14.38	13.78	13.85	---	14.23	16.70	18.72
20	24.36	25.92	21.03	15.30	15.88	14.42	13.85	13.99	---	14.43	16.72	18.83
21	24.46	25.89	20.58	13.67	15.74	14.50	13.93	14.10	15.54	14.58	16.75	18.78
22	24.56	25.86	20.25	13.58	15.17	14.63	14.10	14.29	14.44	14.73	16.83	18.10
23	24.49	25.75	---	13.52	14.38	14.52	14.24	14.30	13.97	14.90	16.86	17.82
24	24.58	25.70	---	13.10	13.55	13.70	14.28	14.25	13.65	15.06	16.91	17.95
25	24.54	25.85	---	13.45	12.73	13.20	14.31	14.27	13.69	15.13	17.04	18.03
26	24.55	25.81	---	13.70	12.40	13.33	14.21	14.45	13.81	15.14	17.13	18.07
27	24.68	25.63	---	13.78	12.52	13.62	13.66	14.58	13.84	14.79	17.15	18.07
28	24.77	25.72	---	13.84	12.67	13.78	13.35	14.62	13.88	14.52	17.19	17.87
29	24.89	25.76	---	14.23	---	---	13.43	14.60	13.91	14.31	17.26	17.71
30	25.01	25.56	---	14.45	---	---	13.51	14.67	13.89	14.30	17.40	17.53
31	25.05	---	---	14.44	---	13.95	---	---	---	14.29	17.51	---
MEAN	24.08	25.55	23.11	14.62	15.12	13.63	13.48	14.05	14.28	14.33	16.19	18.11
WTR YR 1979	MEAN	17.26		HIGH	12.34		LOW	25.92				

MILAM FORK BASIN

MINESHAFT WATER-LEVEL MONITORING SITES--Continued

STATION NUMBER 374112081270601 LOCAL NUMBER 606R
 LATITUDE 374112 LONGITUDE 081706 SHAFT DEPTH 477 FEET

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
 INSTANTANEOUS OBSERVATIONS AT 1200

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.44	16.63										
2	17.33	16.89										
3	17.04	15.57										
4	16.73	15.67										
5	16.57	15.79										
6	16.61	15.73										
7	16.57	15.78										
8	16.70	15.67										
9	16.64	15.55										
10	16.60	15.27										
11	16.02	14.75										
12	15.80	14.67										
13	15.72	14.55										
14	15.42	14.63										
15	15.27	14.72										
16	15.29	14.73										
17	15.38	14.84										
18	15.52	14.89										
19	15.57	15.00										
20	15.64	15.20										
21	15.73	15.26										
22	15.76	15.27										
23	15.72	15.24										
24	15.83	15.33										
25	15.97	15.33										
26	16.16	14.65										
27	16.26	14.23										
28	16.21	14.10										
29	16.30	---										
30	16.47	---										
31	16.62	---										
MEAN	16.16	15.21										
WTP YR 1980	MEAN	15.71		HIGH	14.10		LOW	17.44				

MILAM FORK BASIN

285

MINESHAFT WATER-LEVEL MONITORING SITES--Continued

STATION NUMBER 374057081281401 LOCAL NUMBER 624R
 LATITUDE 374057 LONGITUDE 0812814 SHAFT DEPTH 160 FEET

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
 INSTANTANEOUS OBSERVATIONS AT 1200

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									---	---	151.98	152.21
2									151.09	---	151.99	152.20
3									151.09	---	151.99	152.17
4									---	---	152.02	152.19
5									---	---	152.04	152.20
6									151.17	---	152.03	152.21
7									151.13	---	152.04	152.20
8									151.13	---	152.08	152.20
9									151.14	---	152.07	152.20
10									151.22	---	152.05	152.21
11									151.20	---	152.07	152.20
12									151.18	---	152.09	152.20
13									151.13	---	152.11	---
14									151.19	---	152.12	---
15									151.22	---	152.12	---
16									151.22	---	152.10	---
17									151.23	---	152.11	---
18									151.24	---	152.12	---
19									151.23	---	152.12	---
20									151.22	151.80	152.16	---
21									151.24	151.80	152.15	---
22									151.30	151.82	152.12	---
23									---	151.82	152.12	---
24									---	151.83	152.12	---
25									---	151.83	152.10	---
26									---	151.82	152.12	---
27									---	151.84	152.13	---
28									---	151.90	152.14	---
29									---	151.90	152.14	---
30									---	151.92	152.17	---
31									---	151.92	152.18	---
MEAN									151.19	151.85	152.09	152.20
WTR YR 1978	MEAN	151.84		HIGH	151.09		LOW	152.21				

MILAM FORK BASIN

MINESHAFT WATER-LEVEL MONITORING SITES--Continued

STATION NUMBER 374057081281401 LOCAL NUMBER 624R
 LATITUDE 374057 LONGITUDE 0812814 SHAFT DEPTH 160 FEET

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
 INSTANTANEOUS OBSERVATIONS AT 1200

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		154.15	---	153.07	152.78	---	152.54	152.63	---	152.56	152.82	153.12
2		154.18	---	153.05	152.75	---	152.53	152.60	---	152.62	152.82	153.12
3		154.19	---	153.16	152.70	---	---	152.58	---	152.64	152.86	153.14
4		154.18	---	153.12	---	---	152.45	152.58	---	152.55	152.87	153.15
5		154.22	---	153.04	---	---	152.57	152.61	---	152.67	152.87	153.09
6		154.23	---	152.96	152.73	---	152.59	152.60	152.43	152.67	152.84	153.19
7		154.21	---	152.86	152.66	---	152.55	152.61	152.45	152.60	152.85	153.21
8		154.24	---	152.94	152.85	152.55	152.46	152.60	152.49	152.64	152.88	153.26
9		154.23	---	152.96	152.84	152.62	152.52	152.60	152.45	152.62	152.88	153.28
10		154.22	---	152.90	152.82	152.57	152.66	152.58	152.43	152.64	152.86	153.26
11		154.23	---	152.80	152.79	152.57	152.63	152.58	152.46	152.68	152.84	153.25
12		154.19	---	152.76	152.70	152.59	152.49	152.58	152.49	152.70	152.90	153.27
13		---	---	152.69	152.83	152.55	152.56	152.59	152.50	152.67	152.99	153.23
14		---	153.79	152.82	152.79	152.58	152.60	152.58	152.50	152.70	152.97	153.27
15		---	153.70	152.91	152.78	152.66	152.56	152.57	152.46	152.73	152.96	153.37
16		154.20	153.66	152.83	152.90	152.61	152.59	152.59	152.47	152.74	152.98	153.41
17		154.13	153.73	152.73	152.93	152.57	152.59	152.57	152.42	152.73	152.96	153.40
18		154.22	153.62	152.80	152.84	152.54	152.59	152.53	152.49	152.74	152.95	153.36
19		---	153.57	152.73	152.86	152.54	152.58	152.51	152.51	152.74	152.98	153.37
20		---	153.49	152.64	152.81	152.55	152.56	152.54	152.51	152.77	153.00	153.40
21		---	153.54	152.69	---	152.57	152.57	152.54	152.50	152.76	153.00	153.35
22		---	153.59	152.90	---	152.58	152.61	152.57	152.48	152.77	153.02	153.37
23		---	153.55	152.72	---	152.55	152.60	152.56	152.49	152.81	153.03	153.48
24		---	153.36	152.65	---	152.56	152.57	152.54	152.50	152.81	153.04	153.50
25		---	153.43	152.80	---	152.63	152.57	---	152.55	152.80	153.09	153.48
26		---	153.41	152.75	---	152.72	152.52	---	152.56	152.82	153.10	153.48
27		---	153.43	152.65	---	152.72	152.62	---	152.53	152.83	153.08	153.45
28		---	153.35	152.76	---	152.64	152.65	---	152.51	152.84	153.07	153.40
29		---	153.30	152.78	---	152.61	152.63	---	152.50	152.83	153.10	153.42
30		---	153.27	152.73	---	152.58	152.58	---	152.50	152.85	153.13	153.38
31		---	153.21	152.69	---	152.56	---	---	---	152.84	153.14	---
MEAN		154.20	153.50	152.84	152.80	152.59	152.57	152.58	152.49	152.72	152.96	153.32
WTR YR 1979	MEAN	152.90		HIGH	152.42		LOW	154.24				

MILAM FORK BASIN

287

MINESHAFT WATER-LEVEL MONITORING SITES--Continued

STATION NUMBER 374057081281401 LOCAL NUMBER 624R
 LATITUDE 374057 LONGITUDE 0812814 SHAFT DEPTH 160 FEET

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
 INSTANTANEOUS OBSERVATIONS AT 1200

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	153.36	153.02	152.92									
2	153.30	153.02	153.05									
3	153.38	153.03	153.02									
4	153.32	153.08	152.93									
5	153.28	153.07	152.88									
6	---	153.01	152.91									
7	---	153.02	153.02									
8	---	153.00	153.15									
9	---	152.89	153.12									
10	---	153.02	---									
11	---	153.08	---									
12	---	153.05	---									
13	---	153.00	---									
14	---	153.03	---									
15	---	152.96	---									
16	---	152.98	---									
17	---	152.97	---									
18	---	152.95	---									
19	---	152.96	---									
20	---	152.97	---									
21	---	152.97	---									
22	---	152.91	---									
23	---	152.89	---									
24	---	152.98	---									
25	---	152.91	---									
26	---	152.92	---									
27	---	153.02	---									
28	---	152.97	---									
29	---	153.00	---									
30	153.06	152.96	---									
31	153.07	---	---									
MEAN	153.25	152.99	153.00									
WTR YR 1980	MEAN	153.03		HIGH	152.88		LOW	153.38				

FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
<i>Length</i>		
inches (in)	2.54×10^1 2.54×10^{-2}	millimeters (mm) meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^0	kilometers (km)
<i>Area</i>		
acres	4.047×10^3 4.047×10^{-1} 4.047×10^{-3}	square meters (m ²) square hectometers (hm ²) square kilometers (km ²)
square miles (mi ²)	2.590×10^0	square kilometers (km ²)
<i>Volume</i>		
gallons (gal)	3.785×10^0 3.785×10^0 3.785×10^{-3}	liters (L) cubic decimeters (dm ³) cubic meters (m ³)
million gallons	3.785×10^3 3.785×10^{-3}	cubic meters (m ³) cubic hectometers (hm ³)
cubic feet (ft ³)	2.832×10^1 2.832×10^{-2}	cubic decimeters (dm ³) cubic meters (m ³)
cfs-days	2.447×10^3 2.447×10^{-3}	cubic meters (m ³) cubic hectometers (hm ³)
acre-feet (acre-ft)	1.233×10^3 1.233×10^{-3} 1.233×10^{-6}	cubic meters (m ³) cubic hectometers (hm ³) cubic kilometers (km ³)
<i>Flow</i>		
cubic feet per second (ft ³ /s)	2.832×10^1 2.832×10^1 2.832×10^{-2}	liters per second (L/s) cubic decimeters per second (dm ³ /s) cubic meters per second (m ³ /s)
gallons per minute (gal/min)	6.309×10^{-2} 6.309×10^{-2} 6.309×10^{-5}	liters per second (L/s) cubic decimeters per second (dm ³ /s) cubic meters per second (m ³ /s)
million gallons per day	4.381×10^1 4.381×10^{-2}	cubic decimeters per second (dm ³ /s) cubic meters per second (m ³ /s)
<i>Mass</i>		
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

USGS LIBRARY - RESTON



3 1818 00456054 4

U.S. DEPARTMENT OF THE INTERIOR
Geological Survey,
Federal Building & USCH, Room 3017, 500 Quarrier Street, East
Charleston, WV 25301

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300
SPECIAL 4TH CLASS BOOK RATE

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF THE INTERIOR
INT 413

