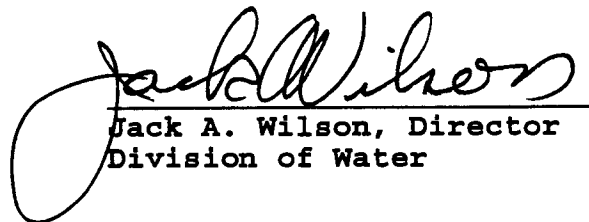


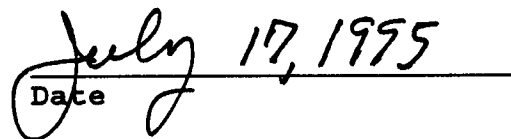
ANNUAL AMBIENT WATER QUALITY REPORT
WATER YEAR 1994

KENTUCKY DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WATER
WATER QUALITY BRANCH

This report has been approved for release:



Jack A. Wilson, Director
Division of Water



Date

PREFACE

This annual report documents water quality data gathered by the Kentucky Division of Water's (DOW) fixed-station ambient monitoring network during Water Year 1994. These data provide information used by the DOW to establish background water quality conditions, detect trends in water quality, and detect excursions from state water quality standards.

This report is the culmination of a concerted effort by field and central office personnel of the DOW who collected and organized the data, and who typed, edited, and assembled the report.

The data were collected and processed by the following personnel:

Gary Morgan, Paducah District Office

Don Hayes, Madisonville District Office
John Martin
Peyton Adams
Allen Kidd

Bob Adams, Bowling Green District Office

Jim Woody, Columbia District Office

Todd Giles, Florence District Office

Bob Wells, Morehead District Office

Joan Garrison, London District Office

Darvin Messer, Hazard District Office

Giles Miller, Water Quality Branch, Standards & Specifications
Cliff Schneider
Jeff Grubbs
Kim Murphy
Scott Hankla
Morgan Jones

The data were analyzed by the Division of Environmental Services, William Davis, Director.

Fecal coliform samples, collected by Water Quality Branch personnel, were analyzed by Gary Beck, Microbiologist, Ecological Support Section.

WATER YEAR 1994 EVALUATION

This report presents water quality information about rivers and streams in Kentucky during Water Year 1994 (WY94) (October 1993 - September 1994) monitored by the Kentucky Division of Water (DOW).

Data are collected through the DOW's ambient monitoring program. Sampling sites are located on major rivers (excluding the Ohio River) in the Commonwealth and minor tributaries (Table 1 and Figure 1).

The ambient monitoring network consists of 44 stations. Samples are collected monthly by DOW personnel for certain physical, chemical and biological variables. Analyses of chemical samples are performed by the Division of Environmental Services. Fecal coliform analyses are performed by personnel in the Division of Water Regional Offices and the Ecological Support Section of the Water Quality Branch.

The DOW utilizes a single midchannel grab sampling approach. Midchannel grab samples have not been found to consistently differ from samples obtained by cross sectionally integrated sampling. However, concentrations of suspended sediment and the total forms of some sediment-associated constituents, such as phosphorus, iron, and manganese, have been found to significantly differ between sampling approaches, particularly under high-flow conditions ("A comparison of surface-grab and cross sectionally integrated stream-water-quality sampling methods". Martin, G. R. et al. 1992. Water Environment Research 64:7).

Criteria Used in Water Quality Evaluation

Kentucky Division of Water selected criteria for variables monitored in this water quality evaluation are presented in Table 2.

The DOW has adopted dual criteria for several metals to protect against chronic (long-term) and acute (short-term) toxicity to aquatic life. Based on results of tests of toxicity to aquatic organisms, the criteria for cadmium, copper, lead, and zinc vary with the hardness of the ambient water. Calculated toxicity values based on hardness were rounded to the nearest whole number. If the calculated toxicity value was equal to the reported metal concentration, a criterion excursion was recorded. Stream criteria for chromium place limits on the hexavalent form while ambient

samples are analyzed for total chromium.

The DOW has adopted fecal coliform criteria for primary and secondary contact recreation. Primary contact recreation waters are waters suitable for full body contact recreation during the recreation season of May 1 through October 31. Fecal coliform bacteria are not to exceed 400 colonies per 100 ml in twenty (20) percent or more of all samples taken during a month in the recreation season.

Secondary contact recreation waters are suitable for partial body contact recreation, with minimal threat to public health due to water quality. Criteria apply to waters classified for secondary contact recreation the entire year. Fecal coliform bacteria are not to exceed 2000 colonies per 100 ml in twenty (20) percent or more of all samples taken during a month.

Results of Evaluation

Analytical results of monthly samples collected during WY94 (October 1993 - September 1994) are presented by drainage areas in Appendix A. Assignment of drainage areas follows the document Drainage Areas of Streams at Selected Locations in Kentucky (U.S. Geological Survey, Open-file Report 81-61, 1981). Remark codes are associated with numerous values found in this report. The remark code K indicates that the actual value is known to be less than the value given. For example, a value of .05K indicates that the actual value is less than .05. An L remark code indicates the actual value is known to be greater than the value given. Iron concentrations designated by ***** exceed 10,000 ug/l.

Tables 3 and 4 present the frequency of excursions for the water quality variables outside DOW standards. Variables have been grouped for presentation purposes. A field variable group includes temperature, dissolved oxygen, pH, and un-ionized ammonia. Metals (cadmium, chromium, copper, lead, mercury, and zinc) form a second group. Fecal coliforms are addressed as a third group.

Warm water aquatic life criteria for dissolved oxygen and stream temperature were exceeded on a few occasions. Dissolved oxygen was reported below 4.0 mg/l once each in Eagle Creek at Glencoe, Green River near Island, and the North Fork Licking River at Milford. Temperatures above 30°C were reported once in the Green River near Island and Pond Creek near Louisville. Hydrogen ion content (pH) was measured below the aquatic life criterion (6 - 9 SU) on several occasions at stations in the Jackson Purchase and Tennessee River areas. Hydrogen ion content was measured below the aquatic life criterion on three occasions in the Bayou de Chein near Clinton, twice in the Clarks River at Almo, and four times in Mayfield Creek near Magee Springs. All hydrogen ion excursions occurred during the winter. The hydrogen ion content in the Kentucky River at Frankfort was above the state criterion in September at a time of low flow, reflecting photosynthetic

activity. Dissolved oxygen was measured to be greater than 15.7 mg/l at time of sampling.

Total recoverable metal results from the ambient network indicate that the DOW's chronic aquatic life criterion for lead was exceeded on 74 occasions. The acute lead criterion was exceeded once. Copper exceeded the acute criterion in six samples, with eight chronic excursions. Chromium exceeded the chronic criterion twice, with two acute excursions. Mercury exceeded the chronic criterion twice.

The fecal coliform stream criterion to protect primary contact recreation was exceeded 49 times during the WY94 recreation season (May - October). The secondary contact recreation criterion was exceeded 29 times during the water year.

Table 1
Fixed-Station Monitoring Network

Map No.	Station Name	RMI	Road Location
1	Tug Fork at Kermit	35.1	KY 40
2	Levisa Fork near Louisa	29.6	KY 644
3	Levisa Fork near Pikeville	114.6	KY 1426
4	Little Sandy River near Argillite	13.2	KY 1
5	Tygart's Creek near Load	28.1	KY 7
6	Kinniconick Creek near Tannery	10.4	KY 1149
7	Licking River at Claysville	78.2	US 62
8	N. Fork Licking River at Milford	6.9	KY 19
9	S. Fork Licking River at Morgan	11.7	KY 1054
10	Licking River at West Liberty	226.4	US 460
11	Kentucky River at Frankfort	66.4	St. Clair St. Bridge
12	Kentucky River at Camp Nelson	135.1	Old US 27
13	Eagle Creek at Glencoe	21.5	US 127
14	South Elkhorn Creek near Midway	25.3	Moores Mill Rd. Bridge
15	Dix River near Danville	34.6	KY 52
16	Red River at Clay City	21.6	KY 11/15
17	Kentucky River near Trapp	191.2	confluence of Red River
18	N. Fork Kentucky River at Jackson	304.5	Old KY 30
19	M. Fork Kentucky River at Tallega	8.3	KY 708
20	S. Fork Kentucky River at Booneville	12.1	KY 28
21	Salt River at Shepherdsville	22.9	KY 61
22	Salt River at Glensboro	82.5	KY 53
23	Rolling Fork near Lebanon Junction	12.3	KY 434
24	Beech Fork near Maud	48.1	KY 55
25	Pond Creek near Louisville	15.5	Manslick Rd. Bridge
26	Green River near Island	74.4	KY 85
27	Pond River near Sacramento	12.4	KY 85
28	Rough River near Dundee	62.5	Barrets Ford Bridge
29	Mud River near Gus	17.4	KY 949
30	Barren River at Bowling Green	37.5	College St. Bridge
31	Green River at Munfordville	225.9	US 31W
32	Nolin River at White Mills	80.9	White Mills Bridge
33	Bacon Creek near Priceville	7.2	C. Avery Rd. Bridge
34	Tradewater River near Sullivan	15.1	US 60/641
35	Little River near Cadiz	24.4	KY 272
36	Cumberland River at Turkey Neck Bend	393.7	KY 214 Ferry Crossing
37	S. Fork Cumberland River at Blue Heron	44.7	Old Rail Bridge
38	Rockcastle River at Billows	24.4	Old KY 80
39	Horse Lick Creek near Lamero	7.5	Daugherty Rd. Ford
40	Cumberland River at Cumberland Falls	562.3	KY 90
41	Cumberland River at Pineville	654.4	Pine St. Bridge
42	Clarks River at Almo	53.5	Almo-Shiloh Rd. Bridge
43	Mayfield Creek near Magee Springs	10.8	KY 121
44	Bayou de Chien near Clinton	15.1	US 51

Figure 1

Fixed-Station Monitoring Network

Stream Station Locations

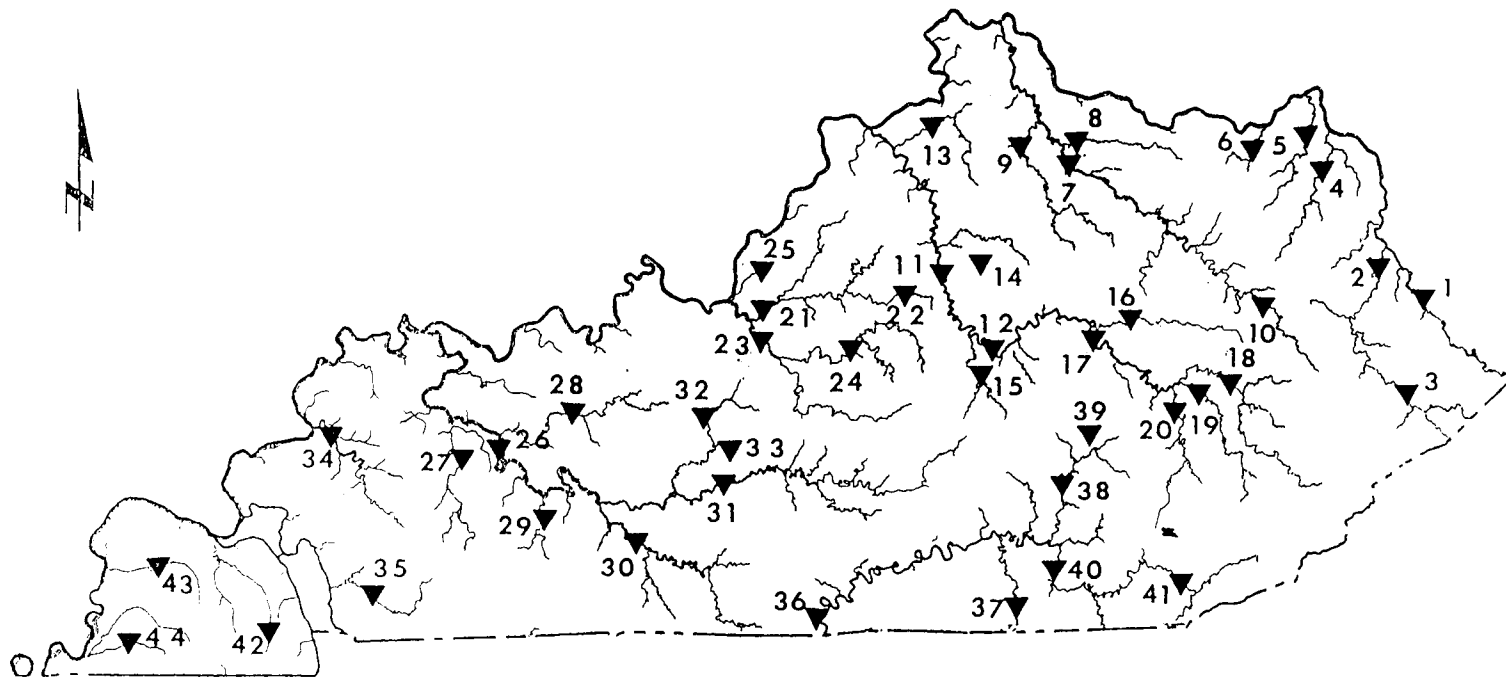


Table 2

Kentucky Surface Water Selected Criteria
(from 401 KAR 5:031)

<u>Variable</u>	<u>Criteria</u>
In-stream temperature	> 30°C
Dissolved oxygen	< 4.0 mg/l
pH	< 6 or > 9 SU
Un-ionized ammonia	> .05 mg/l

Variables	Chronic Criteria Concentration (ug/L)	Acute Criteria Concentration (ug/L)
Cadmium	e (.7852[In Hard.]-3.490)	e (1.128[In Hard.]-3.828)
Copper	e (.8545[In Hard.]-1.465)	e (.9422[In Hard.]-1.464)
Lead	e (1.272[In Hard.]-4.705)	e (1.273[In Hard.]-1.460)
Zinc	e (.8473[In Hard.]+.7614)	e (.8473[In Hard.]+.8604)
Chromium (hexavalent)	11	16
Mercury	.012	2.4

Table 3

Frequency of Values Exceeding KY DOW Stream Criteria WY94 Field and Fecal Coliform Group Results						
Station	TEMP	D.O.	pH	NH3-N	PC	SC
Jackson Purchase Area						
Bayou de Chein (MP 15.1)	0	0	3	0	1	0
Mayfield Creek (MP 10.8)	0	0	4	0	0	0
Tennessee River Area						
Clarks River (MP 53.5)	0	0	2	0	0	0
Cumberland River Area						
Cumberland River (MP 393.7)	0	0	0	0	0	0
Cumberland River (MP 562.3)	0	0	0	0	1	1
Cumberland River (MP 654.4)	0	0	0	0	2	0
SF Cumberland River (MP 44.7)	0	0	0	0	0	0
Rockcastle River (MP 24.4)	0	0	0	0	1	0
Horse Lick Creek (MP 7.5)	0	0	0	0	1	0
Little River (MP 24.4)	0	0	0	0	0	0
Tradewater River Area						
Tradewater River (MP 15.1)	0	0	0	1	0	0
Green River Area						
Green River (MP 225.9)	0	0	0	0	1	1
Nolin River (MP 80.9)	0	0	0	0	0	1
Bacon Creek (MP 7.2)	0	0	0	0	0	1
Barren River (MP 37.5)	0	0	0	0	2	0
Mud River (MP 17.4)	0	0	0	0	0	0
Green River (MP 74.4)	1	1	0	0	0	0
Rough River (MP 62.5)	0	0	0	0	0	0
Pond River (MP 12.4)	0	0	0	0	1	0

**Frequency of Values Exceeding KY DOW Stream Criteria
WY94 Field and Fecal Coliform Group Results**

Station	TEMP	D.O.	pH	NH3-N	PC	SC
Salt River Area						
Salt River (MP 82.5)	0	0	0	0	1	0
Salt River (MP 22.9)	0	0	0	0	2	2
Pond Creek (MP 15.5)	1	0	0	0	1	2
Beech Fork (MP 48.1)	0	0	0	0	0	0
Rolling Fork (MP 12.3)	0	0	0	0	0	1
Kentucky River Area						
NF Kentucky River (MP 304.5)	0	0	0	0	2	1
MF Kentucky River (MP 8.3)	0	0	0	0	0	0
SF Kentucky River (MP 12.1)	0	0	0	0	0	0
Kentucky River (MP 191.2)	0	0	0	0	1	0
Red River (MP 21.6)	0	0	0	0	1	0
Kentucky River (MP 135.1)	0	0	0	0	1	0
Dix River (MP 34.6)	0	0	0	0	1	1
Kentucky River (MP 66.4)	0	0	1	0	1	0
So. Elkhorn Creek (MP 25.3)	0	0	0	0	2	2
Eagle Creek (MP 21.5)	0	1	0	0	1	1
Licking River Area						
Licking River (MP 226.4)	0	0	0	0	2	1
Licking River (MP 78.2)	0	0	0	0	1	2
NF Licking River (MP 6.9)	0	1	0	0	3	3
SF Licking River (MP 11.7)	0	0	0	0	1	2
Kinniconick Creek (MP 10.4)	0	0	0	0	0	0

**Frequency of Values Exceeding KY DOW Stream Criteria
WY94 Field and Fecal Coliform Group Results**

Station	TEMP	D.O.	pH	NH3-N	PC	SC
Tygarts Creek Area						
Tygarts Creek (MP 28.1)	0	0	0	0	2	0
Little Sandy River Area						
Little Sandy River (MP 13.2)	0	0	0	0	2	1
Big Sandy River Area						
Tug Fork (MP 35.1)	0	0	0	0	6	3
Levisa Fork (MP 114.6)	0	0	0	0	5	2
Levisa Fork (MP 29.6)	0	0	0	0	3	1

Table 4

Frequency of Values Exceeding KY DOW Stream Criteria WY94 Metals Group Results						
Station	Cd	Cr	Cu	Hg	Pb	Zn
Jackson Purchase Area						
Bayou de Chein (MP 15.1)	0	0	1(CH) 1(AC)	0	3(CH)	0
Mayfield Creek (MP 10.8)	0	0	3(CH) 3(AC)	0	3(CH)	0
Tennessee River Area						
Clarks River (MP 53.5)	0	0	1(AC)	0	3(CH)	0
Cumberland River Area						
Cumberland River (MP 393.7)	0	0	0	0	0	0
Cumberland River (MP 562.3)	0	0	1(CH)	0	1(CH)	0
Cumberland River (MP 654.4)	0	0	0	0	1(CH)	0
SF Cumberland River (MP 44.7)	0	0	1(AC)	0	2(CH)	0
Rockcastle River (MP 24.4)	0	0	0	0	3(CH) 1(AC)	0
Horse Lick Creek (MP 7.5)	0	0	0	0	5(CH)	0
Little River (MP 24.4)	0	0	0	0	1(CH)	0
Tradewater River Area						
Tradewater River (MP 15.1)	0	0	0	0	0	0
Green River Area						
Green River (MP 225.9)	0	0	1(CH)	0	2(CH)	0
Nolin River (MP 80.9)	0	0	0	0	1(CH)	0
Bacon Creek (MP 7.2)	0	0	0	0	0	0
Barren River (MP 37.5)	0	0	0	0	3(CH)	0
Mud River (MP 17.4)	0	0	0	0	0	0
Green River (MP 74.4)	0	0	0	1(CH)	2(CH)	0
Rough River (MP 62.5)	0	0	0	1(CH)	3(CH)	0
Pond River (MP 12.4)	0	0	0	0	0	0

**Frequency of Values Exceeding KY DOW Stream Criteria
WY94 Metals Group Results**

Station	Cd	Cr	Cu	Hg	Pb	Zn
Salt River Area						
Salt River (MP 82.5)	0	0	0	0	0	0
Salt River (MP 22.9)	0	0	0	0	0	0
Pond Creek (MP 15.5)	0	1(AC)	0	0	0	0
Beech Fork (MP 48.1)	0	0	0	0	0	0
Rolling Fork (MP 12.3)	0	0	0	0	0	0
Kentucky River Area						
NF Kentucky River (MP 304.5)	0	0	0	0	0	0
MF Kentucky River (MP 8.3)	0	0	0	0	2(CH)	0
SF Kentucky River (MP 12.1)	0	0	1(CH)	0	4(CH)	0
Kentucky River (MP 191.2)	0	0	0	0	4(CH)	0
Red River (MP 21.6)	0	0	0	0	1(CH)	0
Kentucky River (MP 135.1)	0	0	0	0	4(CH)	0
Dix River (MP 34.6)	0	1(AC)	0	0	0	0
Kentucky River (MP 66.4)	0	0	0	0	3(CH)	0
So. Elkhorn Creek (MP 25.3)	0	0	0	0	1(CH)	0
Eagle Creek (MP 21.5)	0	1(CH)	0	0	1(CH)	0
Licking River Area						
Licking River (MP 226.4)	0	0	0	0	3(CH)	0
Licking River (MP 78.2)	0	0	0	0	2(CH)	0
NF Licking River (MP 6.9)	0	1(CH)	1(CH)	0	3(CH)	0
SF Licking River (MP 11.7)	0	0	0	0	2(CH)	0
Kinniconick Creek (MP 10.4)	0	0	0	0	1(CH)	0

**Frequency of Values Exceeding KY DOW Stream Criteria
WY94 Metals Group Results**

Station	Cd	Cr	Cu	Hg	Pb	Zn
Tygarts Creek Area						
Tygarts Creek (MP 28.1)	0	0	0	0	1(CH)	0
Little Sandy River Area						
Little Sandy River (MP 13.2)	0	0	0	0	3(CH)	0
Big Sandy River Area						
Tug Fork (MP 35.1)	0	0	0	0	1(CH)	0
Levisa Fork (MP 114.6)	0	0	0	0	1(CH)	0
Levisa Fork (MP 29.6)	0	0	0	0	5(CH)	0

APPENDIX A

JACKSON PURCHASE AREA

JACKSON PURCHASE AREA
 BAYOU DE CHEIN NEAR CLINTON

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI037 931013	2.1		8	168	2K	17	1K	1K		2 1070
PRI037 931108	3.4	7.4	6	145	2K	16	1K	1K	1K	893
PRI037 931208	6.2	25.5	9	819	2	23	1K		6	4 1660
PRI037 940110	.05K	13.6	6	130	2K	28	1K	1K	1K	740
PRI037 940215	7	5.2	2	787	2K	47	1K		4	2 1450
PRI037 940315	6.5	5K	8	231	2K	44	1K	1K		3 896
PRI037 940412	1K	29.9	460	11700	5	138	1K		4	13 *****
PRI037 940516	4.2		19	317	2	37	1K		3 1K	2180
PRI037 940621	2.2	5K	8	158	2	22	1K		1	1 1650
PRI037 940726	1K	5.3	3	146	2K	20	1K		1	1 1350
PRI037 940816	2.8	5K	6	121	2K	23	1K	1K	1K	1220
PRI037 940913	1K	5K	3	80	2K	16	1K	1K	1K	885

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL	
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616	
931013	2K	197	.1K	1K	19.8	.05K	0.046	0.031	100K	
931108	2K	186	.1K	4	18.1	.05K	0.029	0.028	380	
931208	2K	94	.1K	10	31.4	0.064	1.08	0.136	160	
940110		3	252	.1K	1K	24.2	.05K	0.398	.05K	78
940215	2K	99	.1K	1K	33	0.068	1.21	0.093	170	
940315	2K	98	.1K	1K	32.8	0.06	1.08	0.084	15	
940412		8	543	.1K	34	32.2	0.124	0.407	0.554	400
940516		2	541	.1K	4	33.4	0.117	0.602	0.12	600
940621	2K		449	.1K	1K	25	.05K	0.073	0.08	230
940726	2K		321	.1K	2K	23.4	.05K	0.053	0.061	140
940816	2K		357	.1K	2K	25.4	.05K	0.04	0.05	100
940913	2K		266	.1K	2K	20.1	.05K	0.039	0.049	190

JACKSON PURCHASE AREA
MAYFIELD CREEK NEAR MAGEE SPRINGS

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----	YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI042	931013	13.5	23.9	36	789	2K	28	1K	1	4	1790
PRI042	931108	10.3	15.5	6	298	2K	17	1K	1K	1K	1030
PRI042	931208	4.4	29.2	12	2980	3	19	1K	2	5	3420
PRI042	940110	12.5	17.6	2	210	2K	28	1K	1K	1K	922
PRI042	940215	9.5	7.5	8	2620	2K	38	1K	3	4	3210
PRI042	940315	6.1	5K	22	1370	2K	41	1K	1K	3	2160
PRI042	940412	2.8	5K	46	4530	2	59	1K	4	6	5510
PRI042	940516	3.4		23	845	2K	43	1K	1	1	1580
PRI042	940621	1.9	5K	49	2870	4	54	1K	1	4	3260
PRI042	940726	1.9	8.4	39	1590	3	52	1K	2	3	2220
PRI042	940816	1K	5K	40	1860	3	62	1K	5	4	2780
PRI042	940913	10.9	11.2	37	897	2K	38	1K	1K	1K	1910

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931013	2K	255	.1K	1K	26.5	.05K	0.531	0.063	160
931108	2K	84	.1K	6	19.6	.05K	0.418	0.044	33K
931208	3	30	.1K	8	26.6	0.024	0.47	0.256	55
940110	2K	94	.1K	1K	33.8	0.063	1.12	0.067	33
940215	2	65	.1K	2	35.4	.05K	1.08	0.142	33
940315	2K	144	.1K	1K	32	0.059	0.992	0.127	33
940412	1K	140	.1K	10	30.5	0.097	0.935	0.31	400
940516	2K	849	.1K	4	30.9	0.062	0.028	0.078	53
940621	2	1290	.1K	5	24.9	.05K	0.023	0.118	280
940726	2K	1310	.1K	4	21.9	.05K	0.005	0.09	390
940816	2K	1380	.1K	5	22	.05K	0.019	0.096	110
940913	2K	280	.1K	2	19.4	.05K	0.476	0.103	110

TENNESSEE RIVER AREA

TENNESSEE RIVER AREA
CLARKS RIVER AT ALMO

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI038 931013	18.9	30.7	5	299	2K	34	1K	1K	3	743
PRI038 931108	19.6	20	2	141	2K	32	1K	1K	1K	562
PRI038 931208	11.2	24.6	8	775	2K	38	1K	1	4	1090
PRI038 940110	.05K	15.8	8	841	2K	70	1K	1K	1K	1130
PRI038 940215	8.7	5.3	1	902	2K	69	1K	2	3	1050
PRI038 940315	10.2	5K	9	389	2K	86	1K	1K	3	797
PRI038 940412	4	20.4	48	1920	2K	79	1K	1K	4	2080
PRI038 940516	12.3		10	597	2K	83	1K	2	43	910
PRI038 940621	8.1	5K	18	466	3	65	1K	1K	4	683
PRI038 940726	1.3	5K	6	1140	2	68	1K	2	3	1330
PRI038 940816	15.9	15.6	21	619	3	60	1K	1K	3	1150
PRI038 940913	19		10	431	2	44	1K	1K	3	693

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931013	2K	143	.1K		35.5	.05K	0.396	0.62	100K
931108	3	124	.1K	6	39.4	.05K	0.431	0.455	33K
931208	2K	109	.1K	10	41.1	0.012	2.2	0.161	110
940110	3	163	.1K	1K	38.3	0.118	3.03	0.191	40
940215	2K	115	.1K	1K	39.6	.05K	2.13	0.123	70
940315	2K	145	.1K	1K	44.3	0.059	2.97	0.102	33
940412	1	142	.1K	6	36.4	0.08	1.61	0.318	240
940516	2K	129	.1K	33	51.5	0.464	3.5	0.421	190
940621	2K	244	.1K	2	43.7	.05K	2.07	0.454	70
940726	2K	288	.1K	4	38.1	0.078	1.52	0.661	140
940816	2K	593	.1K	3	35.7	.05K	2.62	0.778	120
940913	2K	184	.1K	2	35	.05K	5.06	1.01	87

CUMBERLAND RIVER AREA

CUMBERLAND RIVER AREA
LITTLE RIVER NEAR CADIZ

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI043 931012	14.4	24.8	6	145	2K	46	1K	1K		6 214
PRI043 931109	14.3	23.4	1	56	2K	44	1K	1K	1K	172
PRI043 931208	7.5	24.8	43	1420	2	24	1K		1	3 1580
PRI043 940110	.5K	19.2	39	1690	2K	47	1K	1K	1K	1860
PRI043 940215	8.1	5.5	46	1470	2K	44	1K		2	2 1790
PRI043 940315	6.7	5K	31	712	2K	47	1K	1K		3 945
PRI043 940412	1K	5K	312	8960	4	89	1K		3	7 9010
PRI043 940516	8		10	301	2K	55	1K	1K	1K	368
PRI043 940621	8.5	30.7	18	389	2K	51	1K	1K		1 405
PRI043 940726	12.5	10.8	16	425	2K	59	1K		2	2 458
PRI043 940816	10.5	66.7	15	346	2K	63	1K	1K		2 416
PRI043 940913	17.8	48.9	16	335	2K	57	1K		1 1K	446

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL	
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616	
931012	2K	33	.1K	1K	220	.05K	2.59	0.157	33K	
931109	2K	23	.1K		17	.05K	2.52	0.131	33K	
931208		3	40	.1K	2	.01K	3.98	0.127	180	
940110		3	72	.1K	1K	0.079	3.6	0.121	120K	
940215		3	87	.1K	1K	.05K	3.37	0.093	150	
940315	2K		68	.1K	1K	.05K	3.31	0.075	78	
940412		8	416	.1K	21	85.4	0.08	1.3	0.321 400L	
940516	2K		44	.1K	5	212	.05K	3.62	0.072	44
940621	2K		53	.1K	1K	208	.05K	2.98	0.119	130
940726	2K		53	.1K	2K	220	.05K	3.07	0.134	78
940816	2K		64	.1K	2	216	.05K	2.7	0.113	83
940913	2K		87	.1K	2K	203	.05K	2.15	0.143	160

CUMBERLAND RIVER AREA
 CUMBERLAND RIVER AT TURKEY NECK BEND

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI007 931013	2.8	37.8	3	28	2K	18	1K	1K	3	60
PRI007 931111	3.7	40.3	2	36	2K	18	1K	4	1K	75
PRI007 931221	5.1	39.6	2	9	2K	9	1K	1	1K	65
PRI007 940111	3.8	38.8	2	33	2K	20	1K	1K	1K	79
PRI007 940214	3	17	2	105	2K	20	1K	1	2	256
PRI007 940316	.05K	21.7	12	101	2K	20	1K	5	2	445
PRI007 940413	1.4	31.6	58	851	2K	29	1K	2	3	1510
PRI007 940511	2.5		2	269	2K	28	1K	1K	2	410
PRI007 940614	3	26.3	1	135	2K	16	1K	1K	4	231
PRI007 940718	1.4	27.5	3	127	2K	20	1K	1K	1K	247
PRI007 940808	1K	26.7	2	92	2K	24	1K	1K	1K	174
PRI007 940914	2.8	49.4	1	40	2K	21	1K	1K	1K	88

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931013	2K	12	.1K	1K	74	.05K	0.353	.005K	14
931111	2K	14	.1K	26	84.3	.05K	0.267	.005K	5
931221	2K	8	.1K	1K	78.4	0.109	0.256	0.013	50
940111	2K	12	.1K	1K	90	.05K	0.294	0.015	
940214	2K	13	.1K	1K	75.3	.05K	0.481	0.019	1K
940316	2K	24	.1K	1K	66.7	.05K	0.425	0.023	2
940413	1	62	.1K	9	63.3	.05K	0.431	0.055	240
940511	2K	18	.1K	3	80.3	.05K	0.378	0.019	
940614	2K	9	.1K	1K	58.6	.05K	0.422	0.013	56
940718	1K	14	.1K	2K	64.8	.05K	0.428	0.013	50
940808	2K	18	.1K	2K	77	.05K	0.493	0.007	17
940914	2K	13	.1K	2K	69.5	.05K	0.401	0.013	10

CUMBERLAND RIVER AREA
SOUTH FORK CUMBERLAND RIVER AT BLUE HERON

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI008 931013	5	46.3	1	277	2K	26	1K	1K	4	261
PRI008 931109	5.7	60.3	1K	28	2K	25	1K	4	1K	162
PRI008 931214	2.7	30.1	4	176	2K	12	1K	1K	2	367
PRI008 940112	2.7	27.9	5	210	2K	20	1K	1K	1K	386
PRI008 940216	2.9	9.8	1K	231	2K	23	1K	1K	1	456
PRI008 940316	2	6.7	2	6K	2K	23	1K	2	2	17
PRI008 940411	5.3	13.4	58	1310	2K	35	1K	1K	5	2330
PRI008 940512	1.5		3	108	2K	26	1K	1K	1K	248
PRI008 940615	3.3	47	1	96	2K	30	1K	1K	3	172
PRI008 940725	1K	18.6	5	363	2K	27	1K	1K	2	639
PRI008 940809	3.7	27.9	3	120	2K	32	1K	1K	1	828
PRI008 940912	2.1	51.1	2	112	2K	24	1K	1K	1K	260

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931013	2K	61	.1K	1K	51.3	.05K	0.054	.005K	10K
931109	2K	18	.1K	8	65.1	.05K	0.024	.005K	10
931214	2	26	.1K	1K	35.6	.05K	0.247	0.02	50
940112	4	69	.1K	1K	30.8	.05K	0.199	0.015	10K
940216	2K	69	.1K	1K	34.8	.05K	0.187	0.014	10
940316	2K	68	.1K	1K	36.1	.05K	0.125	0.012	30
940411	2K	139	.1K	11	26.9	.05K	0.094	0.051	530
940512	2K	58	.1K	5	44	.05K	0.043	0.014	10
940615	2K	43	.1K	1K	63	.05K	0.136	0.012	10K
940725	2K	48	.1K	2	40.9	.05K	0.131	0.016	37
940809	2K	53	.1K	3	56.5	.05K	0.064	0.019	170
940912	2K	34	.1K	2K	45.5	.05K	0.12	0.015	3

CUMBERLAND RIVER AREA
ROCKCASTLE RIVER AT BILLOWS

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----	YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI010	931012	5.2	36.4	2	28	2K	18	1K	1K	3	118
PRI010	931108	4.6	37.7	1K	14	2K	12	1K	1K	1K	146
PRI010	931215	3.2	25	3	39	2K	9	1K	3	1K	151
PRI010	940111	0.3	26.6	2	111	2K	16	1K	1K	1K	228
PRI010	940223	2.5	7.6	196	3800	2	44	1K	6	2	6830
PRI010	940315	3.1	14.3	5	6K	2K	14	1K	1K	2	86
PRI010	940412	1K	22	60	1670	2K	28	1K	1K	4	3060
PRI010	940509	1.3		21	572	2K	18	1K	1	1K	956
PRI010	940616	3.2	47.7	1	46	2K	23	1K	1K	3	97
PRI010	940720				186	2K	24	1K	1K	1	368
PRI010	940817	4.4	17.9	4	150	2K	24	1K	1	2	271
PRI010	940915	5.1	47.3	3	63	2K	20	1K	1K	2	119

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931012	2K	31	.1K	1K	96.3	.05K	0.25	.005K	10
931108	2K	19	.1K	15	78.5	.05K	0.307	.005K	10
931215	2K	20	.1K	1K	58	.05K	0.538	0.016	40
940111	3	69	.1K	1K	61.6	.05K	0.582	.005K	20
940223	10	379	.1K	13	45.9	0.072	0.273	0.115	200
940315	2K	68	.1K	1K	60.9	.05K	0.404	0.016	20
940412	26	167	.1K	8	41.6	0.059	0.23	0.081	950
940509	2K	80	.1K	4	43.2	.05K	0.242	0.031	640
940616	164	31	.1K	6	109	.05K	0.35	0.012	30
940720	2K	39	.1K	2	100	.05K	0.656	0.027	70
940817	2K	42	.1K	2K	105	.05K	0.306	0.017	10
940915	2K	34	.1K	2	96.1	.05K	0.28	0.019	12

CUMBERLAND RIVER AREA
HORSE LICK CREEK NEAR LAMERO

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI051 931014	4	29.5	2	8	2K	24	1K	1K	4	166
PRI051 931116	1.3	14.5	14	275	2K	13	1K	1K	1K	428
PRI051 931213	2.5	24	6	116	2K	8	1K	7	1K	419
PRI051 940112	0.8	18.3	8	180	2K	16	1K	1K	1K	374
PRI051 940222	0.13	5K	15	148	2K	16	1K	2	1K	329
PRI051 940317	1.6	5K	1K		2K	17	1K	1K		2
PRI051 940412	1K	29.3	11	318	2K	18	1K	1K		3
PRI051 940510	1K		5	179	2K	17	1K	2	1K	334
PRI051 940616	2.9	20.9	2	71	2K	26	1K	1K		2
PRI051 940719				454	2K	26	1K	1		8
PRI051 940817	3.3	54.7	11	527	2K	27	1K	3		2
PRI051 940912	4.4	60.8	2	71	2K	21	1K	1K		1

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931014	2K	16	.1K	1K	115	.05K	0.038	.005K	440
931116	2K	26	.1K	1K	39.7	.05K	0.332	0.02	230
931213	2K	10	.1K	1K	50.1	.05K	0.251	0.021	10K
940112	3	29	.1K	1K	41.8	.05K	0.247	0.014	70
940222	2	26	.1K	1K	28.6	.05K	0.108	0.015	190
940317	2K	15	.1K	1K	44.8	.05K	0.174	0.012	20
940412	2	37	.1K	9	31.9	.05K	0.159	0.028	90
940510	4	29	.1K	6	39.9	0.06	0.153	0.018	30
940616	2K	100	.1K	1K	94.8	.05K	0.191	0.011	20
940719	2K	36	.1K	15	82.9	.05K	0.292	0.024	270
940817	2K	117	.1K	7	86.1	.05K	0.532	0.042	190
940912	17	137	.1K	3	87.8	.05K	0.234	0.041	9

CUMBERLAND RIVER AREA
 CUMBERLAND RIVER AT CUMBERLAND FALLS

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI009 931012	9	134	2	9	2K	32	1K	1K	4	89
PRI009 931115	7.7	107	4	42	2K	28	1K	1K	4	492
PRI009 931214	3.2	71.3	17	333	2K	13	1K	1K	3	958
PRI009 940112	0.3	55.8	21	528	2K	26	1K	1K	1K	1220
PRI009 940216	2.2	41.2	108	2360	2K	38	2	4	7	5400
PRI009 940315	.5K	72.7	21	190	2K	28	1K	1K	4	928
PRI009 940411	1K	50.2	44	922	2K	33	1K	1K	10	1950
PRI009 940510	1K		110	2360	2K	42	1K	2	2	4740
PRI009 940615	4.4	96.5	25	530	2K	34	1K	1K	4	1170
PRI009 940725	3.4	97.6	7	824	2K	39	1K	2	3	1530
PRI009 940809	1K	112	11	278	2K	41	1K	1K	2	595
PRI009 940915	7.6	102	2	36	2K	32	1K	1K	1	98

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931012	2K	16	.1K	1K	155	.05K	0.187	.005K	10K
931115	2K	21	.1K	1K	133	.05K	0.015	0.017	10K
931214	2K	64	.1K	1K	90	.05K	0.41	0.035	250
940112	2	148	.1K	2	82.2	.05K	0.401	0.15	230
940216	2	166	.1K	15	72.4	.05K	0.37	0.088	320
940315	2K	140	.1K	1K	97	.05K	0.347	0.025	40
940411	1	199	.1K	11	74	.05K	0.201	0.049	790
940510	2	174	.1K	18	84.8	.05K	0.2	0.071	2300
940615	2K	96	.1K	5	124	.05K	0.36	0.029	40
940725	3	107	.1K	10	119	.05K	0.45	0.037	110
940809	2K	60	.1K	4	149	.05K	0.277	0.023	30
940915	2K	29	.1K	2K	132	.05K	0.267	0.019	10K

CUMBERLAND RIVER AREA
 CUMBERLAND RIVER AT PINEVILLE

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI011 931013	6.7	157	2	56	2K	39	1K	1K	2	240
PRI011 931109	7.6	126	1	22	2K	29	1K	1K	1K	206
PRI011 931215	3.4	77.8	8	137	2K	17	1K	1K	1K	495
PRI011 940111	0.3	68.4	6	211	2K	27	1K	1K	1K	565
PRI011 940224	1.6	35.9		2290	2K	41	1K	2	4	6030
PRI011 940315	1.9	83.2	14	163	2K	33	1K	1K	3	801
PRI011 940412 1K		53.3	34	738	2K	29	1K	1K	4	1790
PRI011 940509	1.5		42	1150	2K	38	1K	1K	1	2230
PRI011 940614	4.6	120	17	289	2K	40	1K	1K	5	673
PRI011 940720				1760	2K	52	1K	2	4	3060
PRI011 940816 1K		197	10	175	2K	58	1K	1	3	391
PRI011 940914	10.2	147	3	69	2K	45	1K	1K	1K	181

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931013	2K	16	.1K	1K	176	.05K	0.103	0.008	70
931109	2K	16	.1K	9	131	.5K	0.099	.005K	130
931215	2K	29	.1K	1K	105	.05K	0.52	0.028	200
940111	2	52	.1K	1K	94.4	.05K	0.544	0.021	50
940224	5	159	.1K	6	69	0.07	0.422	0.094	250
940315	2K	57	.1K	1K	108	.05K	0.484	0.024	140
940412	1	75	.1K	4	69.9	.05K	0.261	0.043	560
940509	2K	83	.1K	15	93.1	.05K	0.242	0.04	570
940614	2K	55	.1K	4	127	.05K	0.404	0.025	250
940720	2K	94	.1K	12	125	.05K	0.484	0.056	880
940816	2K	39	.1K	2	180	.05K	0.174	0.02	270
940914	2K	22	.1K	2K	158	.05K	0.146	0.019	9

TRADEWATER RIVER AREA

TRADEWATER RIVER AREA
 TRADEWATER RIVER NEAR SULLIVAN

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI053 931012	29.3	521	41	952	2K	53	1K	1K		4 1660
PRI053 931109	22.2	534	8	195	2K	32	1K	1K	1K	597
PRI053 931208	5.6	80.5	28	1490	2K	13	1K		1	5 2150
PRI053 940110	.5K	251	3	159	2K	29	1K	1K	1K	526
PRI053 940215	6.2	106	4	846	2K	26	1K		1	2 1170
PRI053 940315	5	105	9	650	2K	24	1K	1K		3 1010
PRI053 940412	4.3	105	36	1190	2K	38	1K	1K		3 1960
PRI053 940516	7.8		21	547	2K	48	1K	1K	1K	954
PRI053 940621	6.8	561	74	2030		2	74	1K	1K	3 2630
PRI053 940726	19.1	1410	56	1650	2K		70	1K		2 2450
PRI053 940816	13.1	254	56	1780		3	64	1K	1	3 2650
PRI053 940913	73	1080	24	505	2K		72	1K	1K	870

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931012	2K	841	.1K	1K	403	0.326	1.05	0.052	50
931109	2K	353	.1K		31	378	0.307	0.011	37
931208		112	.1K		10	94.9	0.117	0.087	200
940110	2K	445	.1K	1K		254	0.162	0.023	240
940215	2K	269	.1K	1K		126	.05K	0.043	60
940315	2K	107	.1K	1K		122	.05K	0.05	33
940412	1K	186	.1K		4	128	.05K	0.063	400
940516	2K	1270	.1K		5	319	0.069	0.041	30
940621	2K	1320	.1K		8	509	.05K	0.104	30
940726	2K	991	.1K		8	650	0.092	0.093	150
940816	2K	1140	.1K		9	305	1.23	0.092	63
940913	2K	1580	.1K		2	981	5.53	0.062	83

GREEN RIVER AREA

GREEN RIVER AREA
POND RIVER NEAR SACRAMENTO

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI012 931012	23.1	1120	18	379	2K	30	1K	1K	3	665
PRI012 931109	12.5	556	2	85	2K	23	1K	1K	1K	1110
PRI012 931208	7.1	212	21	1260	2	15	1K	1	3	2130
PRI012 940110	7.9	127	67	2790	2K	34	1K	1K	1K	4280
PRI012 940215	4.9	140	1	1220	2K	23	1K	2	4	1710
PRI012 940315	3.7	72.4	8	1110	2K	20	1K	3	2	1560
PRI012 940412	3	176	14	677	2K	27	1K	1K	6	1180
PRI012 940516	7.4		8	1060	2K	45	1K	1K	1K	2050
PRI012 940621	13.7	1310	42	1150	2K	45	1K	2	2	1600
PRI012 940726	10	555	46	1620	2K	39	1K	2	2	2150
PRI012 940816	11.5	1020	45		2K		1K	1K	3	
PRI012 940913	17.4	1900	17	286	2K	48	1K	2	1K	530

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931012	2K	242	.1K	1K	376	.05K	0.069	0.026	80
931109	2K	1940	.1K	38	345	.05K	0.095	.005K	33K
931208	2K	769	.1K	28	223	0.02	0.401	0.067	310
940110	2K	411	.1K	20	164	0.098	0.635	0.094	150
940215	2	265	.1K	6	169	.05K	0.581	0.05	33
940315	2K	127	.1K	1K	102	.05K	0.319	0.052	50
940412	1K	313	.1K	12	208	0.069	0.148	0.022	73
940516	2K	2160	.1K	23	572	0.196	0.275	0.044	600
940621	2K	548	.1K	11	739	.05K	0.023	0.08	90
940726	2K	363	.1K	10	394	.05K	0.265	0.089	400L
940816	2K		.1K			.05K	0.012	0.081	50K
940913	2K	336	.1K	4	1430	.05K	.005K	0.067	55

GREEN RIVER AREA
ROUGH RIVER NEAR DUNDEE

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI014 931012	4.6	13.5	18	326	2	33	1K	1K	3	1460
PRI014 931109	4.8	12.9	25	330	2K	28	1K	1K	1K	557
PRI014 931208	5.2	32.3	41	1030	2	18	1K	1K	4	1540
PRI014 940110	6	27.6	15	526	2K	31	1K	1K	1K	960
PRI014 940215	5.2	7.5	17	803	2K	27	1K	1	2	1240
PRI014 940315	4.3	11	38	953	2K	38	1K	1K	5	1450
PRI014 940412	1.6	20.4	106	3450	3	45	1K	1K	6	4800
PRI014 940516	4.2		26	535	2K	36	1K	1K	1K	980
PRI014 940621	4.2	5K	24	617	2K	32	1K	1K	2	871
PRI014 940726	3	15.1	35	1060	2K	43	1K	1	1	1570
PRI014 940816	4.2	5K	35	954	2K	54	1K	1	2	1710
PRI014 940913	1K	6.7	24	445	2K	34	1K	1K	1K	1090

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931012	2K	266	.1K	1K	119	.05K	0.778	0.026	33K
931109	3	118	.1K	12	101	0.065	0.152	0.012	33K
931208	2	101	.1K	5	97.5	0.014	0.65	0.067	87
940110	2K	137	.1K	1K	100	0.194	0.876	0.048	53
940215	2	72	.1K	1K	75.9	0.132	0.945	0.069	33
940315	2	119	.1K	1K	98.8	0.084	0.848	0.061	85
940412	4	158	.1K	7	57.6	0.103	0.396	0.125	400
940516	2K	208	.1K	2	112	0.076	0.709	0.051	92
940621	2K	199	0.2	1K	113	.05K	0.573	0.054	73
940726	2K	334	.1K	2K	122	.05K	0.495	0.047	100
940816	2K	437	.1K	3	147	.05K	0.587	0.048	83
940913	2K	271	.1K	2	121	.05K	0.771	0.051	100

GREEN RIVER AREA
GREEN RIVER NEAR ISLAND

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI055 931012	14.1	30.2	10	194	2K	35	1K	1K	5	325
PRI055 931109	7.9	32.8	10	164	2K	20	1K	1K	1K	327
PRI055 931208	6.7	43.2	372	5640	5	30	1K	3	6	7590
PRI055 940110	7.6	33.3	59	1550	2K	35	1K	1K	1K	2480
PRI055 940215	3.5	5.9	46	1620	2K	30	1K	5	3	2360
PRI055 940315	2.6	5K	42	1560	2K	33	1K	1K	5	2190
PRI055 940412	2.5	29	32	1100	2K	29	1K	1K	3	1590
PRI055 940516	4.2		15	583	2K	31	1K	1K	1K	809
PRI055 940621	4.7	43.6	16	443	2	24	1K	1K	3	568
PRI055 940726	7.9	96.8	18	525	2K	42	1K	1	4	667
PRI055 940816	1K	82.7	16	584	2	44	1K	1K	4	742
PRI055 940913	8.6	65.5	18	371	2K	38	1K	1K	2	551

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931012	2K	56	.1K	1K	173	.05K	0.691	0.026	33K
931109	2K	45	.1K	9	101	.05K	0.318	0.012	33K
931208	7	266	0.2	19	122	0.027	1.27	0.255	400L
940110	2K	113	.1K	1K	135	0.067	1.48	0.088	33
940215	3	80	.1K	2	90	.05K	1.54	0.092	33
940315	2	75	.1K	1K	87.1	0.07	1.2	0.099	33
940412	1	80	.1K	2	101	.05K	0.983	0.068	320
940516	2K	121	.1K	5	142	.05K	1.22	0.045	31
940621	2K	71	.1K	1K	134	.05K	0.951	0.044	50
940726	2K	98	.1K	2	205	.05K	1.11	0.052	33K
940816	2K	130	.1K	2K	180	0.061	0.764	0.041	33K
940913	2K	83	.1K	2	170	.05K	0.668	0.044	33K

GREEN RIVER AREA
MUD NEAR GUS

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI056 931012	20.5	37.2	9	214	2K	47	1K	1K	4	331
PRI056 931109	15.4	27.2	6	148	2K	35	1K	1K	1K	247
PRI056 931208	4.9	31.2	16	1350	2K	16	1K	1K	2	1590
PRI056 940110	5.8	27.6	12	1690	2K	33	1K	1K	1K	2040
PRI056 940215	6.2	6.2	5	959	2K	27	1K	4	2	1120
PRI056 940315	2.9	5K	5	741	2K	35	1K	1K	2	779
PRI056 940412	1.2	17.3	28	1480	2K	35	1K	1K	3	1670
PRI056 940516	6.7		35	681	2K	54	1K	1K	1K	1050
PRI056 940621	8.7	21	28	1120	2	51	1K	1K	2	1010
PRI056 940726	4.3	13.2	40	1400	2	53	1K	1K	3	1600
PRI056 940816	6.5	10	30	1080	2K	63	1K	3	2	1140
PRI056 940913	9.6	11.4	26	486	2K	46	1K	1K	1K	780

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931012	K2	114	.1K	1K	144	.05K	0.05	0.025	43
931109	2K	48	.1K	14	130	.05K	0.008	0.029	33K
931208	2K	15	.1K	3	94.3	.01K	0.914	0.139	33K
940110	2	39	.1K	1K	98.9	0.074	0.958	0.113	400
940215	2	15	.1K	1K	84.7	.05K	0.822	0.058	160
940315	2K	21	.1K	1K	93.8	.05K	0.7	0.055	340
940412	1K	55	.1K	1K	79.1	.05K	0.28	0.079	400
940516	2K	133	.1K	5	187	0.08	0.878	0.062	120
940621	2K	181	.1K	1K	155	.05K	0.151	0.068	80
940726	2K	186	.1K	6	125	0.072	0.414	0.076	58
940816	2K	205	.1K	3	162	.05K	0.049	0.056	85
940913	2K	120	.1K	2K	122	.05K	0.089	0.052	130

GREEN RIVER AREA
 BARREN RIVER AT BOWLING GREEN

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI017 931012	5.5	15.4	20	345	2K	35	1K	1K	3	513
PRI017 931108	6.7	20.5	35	487	2K	31	1K	3	3	1720
PRI017 931213	7	29.2	28	914	2K	16	1K	1K	3	1090
PRI017 940111	5.9	26.8	11	322	2K	24	1K	1K	1K	481
PRI017 940215	5.7	5	32	731	2K	27	1K	2	9	1110
PRI017 940317	3.1	5K	12	389	2K	25	1K	5	5	625
PRI017 940412	1K	18	206	6550	2K	65	1K	6	5	7290
PRI017 940509	5.9		25	380	2K	34	1K	1K	1K	429
PRI017 940614		25	11	328	2K	20	1K	1K		5 416
PRI017 940718	5	15.2	40	1470		42	1K	1K		2 2090
PRI017 940809	7.4	18.9	18	381	2K	39	1K	2	3	686
PRI017 940912	7	50.5	12	253	2K	29	1K	1K	1K	554

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931012	2K	157	.1K	1K	113	.05K	0.158	0.015	
931108	3	196	.1K	25	115	.05K	0.246	0.018	
931213	5	69	.1K	1K	131	0.068	1.42	0.059	100
940111	2K	65	.1K	1K	137	.05K	1.74	0.037	
940215	3	76	.1K	14	123	.05K	1.88	0.048	140
940317	3	64	.1K	1K	94.6	.05K	1.53	0.066	72
940412	4	292	.1K	21	60	0.056	0.757	0.254	500
940509	2K	86	.1K	4	108	.05K	1.45	0.054	410
940614	2	209	.1K	5	87.6	.05K	0.809	0.037	59
940718	4	171	.1K	7	135	.05K	1.26	0.101	410
940809	5	167	.1K	3	166	.05K	1.16	0.038	82
940912	3	158	.1K	2K	148	.05K	1	0.04	72

GREEN RIVER AREA
 NOLIN RIVER AT WHITE MILLS

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI021 931012	50.3	32.6	8	227	2K	125	1K	1K	3	315
PRI021 931110	20.8	25.1	1	66	2K	100	1K	1K	1K	8340
PRI021 931220	9	16.3	6	120	2K	20	1K	5	1K	263
PRI021 940112	13.5	16.6	24	523	2K	39	1K	1K	1K	826
PRI021 940215	8.4	5K	34	774	2K	37	1K	1	2	1140
PRI021 940315	8.8	5K	30	498	2K	37	1K	1	2	758
PRI021 940412	4.6	18.1	148	4050	2K	55	1K	2	3	4550
PRI021 940510	1K		21	637	2K	53	1K	1K	1	819
PRI021 940615	21.1	24.8	9	319	2K	44	1K	1K	2	398
PRI021 940719	26.5	7.4	10	318	2K	62	1K	1K	2	459
PRI021 940809	21.4	11	16	664	2K	70	1K	1	1	818
PRI021 940913	45.3	12.3	6	193	2K	102	1K	1K	1K	247

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931012	2K	51	.1K	1K	243	.05K	1.82	0.469	120
931110	2	41	.1K	1K	231	0.057	1.93	0.29	46
931220	2K	13	.1K	1K	171	0.068	3.27	0.076	110
940112	2K	43	.1K	1K	182	.05K	3.31	0.074	
940215	2K	56	.1K	1K	139	.05K	3.46	0.08	60
940315	2K	53	.1K	1K	147	.05K	3.18	0.069	110
940412	3	173	.1K	11	88.1	0.117	1.41	0.274	13000
940510	2K	61	.1K	5	187	.05K	2.55	0.093	50
940615	2K	48	.1K	1K	199	.05K	3.26	0.137	200
940719	1K	58	.1K	2	203	.05K	2.13	0.171	150
940809	2K	76	.1K	4	199	.05K	1.95	0.215	120
940913	2K	46	.1K	2K	212	.05K	1.94	0.224	160

GREEN RIVER AREA
BACON CREEK NEAR PRICEVILLE

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI020 931012	3		2	43 2K		27 1K		1K		4 171
PRI020 931110	4	6.1	1	10 2K		23 1K		1K	1K	172
PRI020 931220	0.6 1K		4	45 2K		15 1K			1 1K	284
PRI020 940112	5.3	15.2	15	538 2K		31 1K		1K	1K	867
PRI020 940215	5.3 5K		33	709 2K		32 1K			1	2 1190
PRI020 940315	4.1 5K		33	488 2K		34 1K			1	2 784
PRI020 940412	3.2	16.4	142	3640	2	50 1K			3	3 4140
PRI020 940510	3.8		13	285 2K		38 1K		1K		542
PRI020 940615	4.1	16.3	15	381 2K		33 1K		1K		2 537
PRI020 940719	3.1 5K		21	456 2K		37 1K			1	2 794
PRI020 940809	2.8 5K		15	367 2K		42 1K			1 1K	632
PRI020 940913	4 5K		3	109 2K		33 1K		1K	1K	228

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931012	2K	19	.1K	1K	189	.05K	0.412	0.006	26
931110	4	10	.1K	1K	183	.05K	0.32	.005K	16
931220	2K	23	.1K	1K	200	.05K	1.68	0.02	43
940112	2K	56	.1K	1K	194	.05K	1.99	0.034	
940215	3	75	.1K	1K	157	.05K	1.87	0.053	60
940315	2K	65	.1K	1K	165	.05K	1.75	0.038	110
940412	1K	205	.1K	7	111	0.112	0.966	0.174	12000
940510	2K	87	.1K	3	202	.05K	1.38	0.031	96
940615	2K	78	.1K	1K	196	.05K	1.16	0.035	210
940719	1K	103	.1K	2K	202	.05K	0.894	0.045	120
940809	2K	96	.1K	2K	184	.05K	0.787	0.033	59
940913	2K	45	.1K	2K	189	.05K	0.565	0.026	110

GREEN RIVER AREA
GREEN RIVER AT MUNFORDVILLE

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI018 931012	16.2	27.3	6	269	2K	25	1K	1K	3	282
PRI018 931110	7.1	16.5	6	101	2K	16	1K	1K	1K	293
PRI018 931220	5.9	10.7	24	358	2K	13	1K	1K	1K	695
PRI018 940112	5.6	19.2	19	374	2K	23	1K	1K	1K	685
PRI018 940215	5.6	5K	30	545	2K	23	1K		1	2 1020
PRI018 940315	4.1	5K	46	1770	2K	22	1K		2	8 2420
PRI018 940412	1K		232	5820		53	1K		6	4 8210
PRI018 940510	4.3		86	1760	2K	39	1K	1K		1K 2470
PRI018 940615	1K		22	321	2K	26	1K		1	3 470
PRI018 940719	5.6		40	994		32	1K		3	1K 1710
PRI018 940809	14.7		17	410	2K	35	1K		1	1 680
PRI018 940913	13.8	13.2	11	232	2K	27	1K	1K	1K	418

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931012	2K	31	.1K	1K	149	.05K	0.393	0.02	130
931110	2K	29	.1K	13	83.1	.05K	0.234	0.011	28
931220	2K	33	.1K	1K	92.6	0.073	0.828	0.038	30
940112	2K	41	.1K	1K	102	.05K	1.26	0.04	
940215	2K	42	.1K	1K	117	.05K	1.85	0.055	40
940315	3	63	.1K	1K	66.7	.05K	1.28	0.053	85
940412	4	190	.1K	20	65.2	0.107	0.589	0.217	9600
940510	2	139	.1K	10	94.4	.05K	0.75	0.091	1600
940615	2K	75	.1K	1K	127	.05K	0.493	0.067	200
940719	1K	86	.1K	5	94.7	.05K	0.921	0.1	30
940809	2K	65	.1K	2K	133	.05K	0.564	0.068	180
940913	2K	44	.1K	2K	122	.05K	0.422	0.055	85

SALT RIVER AREA

SALT RIVER AREA
POND CREEK NEAR LOUISVILLE

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI030 931018	30.8	76.5	27	615	4	41	1K	1K		7 1050
PRI030 931111	42.7	101	11	223	2K	42	1K	1K		3 346
PRI030 931207	22.5	70.9	21	582	2K	20	1K		2	4 1010
PRI030 940113	49.2	79.2	16	482	3	38	1K		1 1K	838
PRI030 940217	46	62	18	457	11	42	1K		27	6 859
PRI030 940323	42.2	73.5	9	124	2K	40	1K	1K		1 441
PRI030 940414	26.8	67.9	23	483	3	41	1K	1K		4 929
PRI030 940512	21.5		43	1010	2K	74	1K	1K		2 1620
PRI030 940616	54	72	30	493	10	44	1K	1K		4 733
PRI030 940713	50.9	99.9	9	251	8	53	1K	1K		3 422
PRI030 940818	135		31	805	5	85	1K	1K		4 1340
PRI030 940915	69.6	87.8	29	714	4	50	1K	1K		3 1060

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931018	2K	58	.1K	1K	194	0.338	2.12	0.347	380
931111	2K	41	.1K	1K	246	0.295	2.78	0.279	10K
931207	3	42	.1K	7	244	0.33	1.64	0.22	5600
940113	2K	129	.1K	1K	250	0.163	1.65	0.156	2300
940217	2K	168	.1K	4	250	0.593	1.64	0.133	110
940323	2K	162	.1K	1K	231	0.567	1.38	0.156	60
940414	1K	138	.1K	2	219	0.298	1.21	0.206	130
940512	2K	179	.1K	11	259	0.221	1.64	0.198	600
940616	2K	181	.1K	3	240	.05K	0.618	0.682	70
940713	1K	149	.1K	2	236	.05K	0.97	0.337	200
940818	2K	450	.1K	18	329	0.266	1.03	0.316	
940915	2K	95	.1K	6	201	.05K	0.786	0.316	100

SALT RIVER AREA
SALT RIVER AT SHEPHERDSVILLE

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI029 931018	18	52.6	18	395	2K	30	1K	1K	1	658
PRI029 931111	6.6	38	12	277	2K	15	1K	1K	3	378
PRI029 931207	7.5	34.7	37	990	2	11	1K	3	3	1520
PRI029 940113	9.9	34.6	8	239	2K	20	1K	1K		453
PRI029 940217	8	15	19	703	2K	18	1K	1	2	1280
PRI029 940323	8.1	24.2	18	634	2K	16	1K	1K	1K	1100
PRI029 940414	5.6	32.4	60	1760	2K	25	1K	1	4	2760
PRI029 940512	5.5		47	1340	2K	26	1K	1K	1K	2080
PRI029 940616	12.6	5K	15	261	2K	27	1K	1K	4	371
PRI029 940713	27.1	65.2	8	254	3	42	1K	1K	2	433
PRI029 940811	16.7	56.9	10	445	2K	39	1K	2	2	573
PRI029 940915	16.5	53.6	10	245	2K	30	1K	1K	1K	360

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931018	2K	142	.1K	1K	187	.05K	0.872	0.189	140
931111	2K	52	.1K	1K	170	.05K	0.346	0.136	80
931207	2K	83	.1K	1K	174	0.1	1.58	0.251	800
940113	2K	52	.1K	1K	188	.05K	1.67	0.146	80
940217	2K	86	.1K	1K	179	0.076	1.86	0.208	10
940323	2K	77	.1K	1K	174	0.083	1.37	0.198	50
940414	1	142	.1K	1K	180	0.066	1.32	0.309	2300
940512	2K	152	.1K	23	201	0.051	1.08	0.23	420
940616	2K	102	.1K	1K	188	.05K	0.16	0.174	40
940713	1K	81	.1K	5	203	.05K	0.357	0.181	3200
940811	2K	80	.1K	2K	171	.05K	0.48	0.163	70
940915	2K	51	.1K	2K	149	.05K	0.286	0.138	150

SALT RIVER AREA
SALT RIVER AT GLENSBORO

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----	YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI052	931018	44.6	82.2	3	100	2K	26	1K	1K	4	202
PRI052	931111	30.3	76.6	2	25	2K	19	1K	1K	1	20
PRI052	931207	7	36.2	28	918	2K	12	1K	1K	3	1560
PRI052	940113	11.2	37.8	12	327	2K	23	1K	1K	1K	523
PRI052	940217	9.1	21.4	8	304	2K	19	1K	1K	1K	484
PRI052	940323	10.1	46.2	5							
PRI052	940414	4.3	31.7	27	792	2K	24	1K	1K	3	1280
PRI052	940512	7		12	510	2K	27	1K	1K	1	763
PRI052	940616	19.3	50.4	7	182	2K	27	1K	1K	3	263
PRI052	940713	19.1	55	39	317	2K	36	1K	1	2	509
PRI052	940811	11.6	59.6	8	361	2K	45	1K	1K	1	600
PRI052	940915	38.2	70.4	8	158	2K	28	1K	1K	2	310

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931018	2K	22	.1K	1K	191	.05K	0.011	0.483	40
931111	3	6	.1K	1K	231	.05K	0.789	0.335	30
931207	3	25	.1K	5	188	0.026	3.81	0.408	500
940113	3	21	.1K	1K	232	0.053	4.37	0.222	180
940217	2K	16	.1K	1K		.05K	3.79	0.201	40
940323					217	.05K	1.54	0.135	70
940414	1	41	.1K	1K	213	0.055	1.94	0.281	730
940512	2K	40	.1K	3	246	.05K	1.8	0.239	330
940616	2K	46	.1K	1K	196	0.062	0.208	0.25	80
940713	1K	46	.1K	2K	212	.05K	0.152	0.275	240
940811	2K	49	.1K	2K	209	.05K	0.749	0.257	50
940915	2K	23	.1K	2K	161	.05K	0.064	0.324	670

SALT RIVER AREA
 ROLLING FORK NEAR LEBANON JUNCTION

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI057 931018	18.7	57.6	46	959	3	36	1K	1K		7 2030
PRI057 931111	13	48.8	7	125	2	27	1K	1K	1K	1690
PRI057 931207	4.6	33.7	90	2470	2K	17	1K	1K		6 4300
PRI057 940113	7.2	32.3	49	1020	2K	26	1K	1K	1K	1930
PRI057 940217	5.7	17.3	28	827	2K	22	1K	1K	1K	1410
PRI057 940323	5.7	31.4	39	469	2K	26	1K	1K		2 1200
PRI057 940414	1.5	29.8	48	1480	2K	25	1K	1K		4 2590
PRI057 940512	3.3		26	754	2K	27	1K	1K	1K	1390
PRI057 940616	9.3	34.2	52	1440	2	37	1K	1K		1 2260
PRI057 940713	9.2	16.6	75	2230	3	46	1K		2	3 3630
PRI057 940811	7.3	20.8	68	2050	2K	51	1K		3	3 3130
PRI057 940915	17.3	14.1	34	853	4	36	1K	1K		2 1600

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931018	2K	210	.1K	1K	210	.05K	0.469	0.173	200
931111	4	85	.1K	2	213	0.06	0.588	0.12	20
931207	3	69	.1K	15	145	0.048	1.49	0.261	2200
940113	3	67	.1K	1K	184	0.103	1.9	0.125	830
940217	2K	47	.1K	1K	155	.05K	1.51	0.092	90
940323	2K	71	.1K	1K	191	0.054	0.976	0.093	100
940414	1	77	.1K	2	138	.05K	0.765	0.146	650
940512	2K	67	.1K	4	180	0.061	0.707	0.103	140
940616	2K	135	.1K	3	206	.05K	0.444	0.14	90
940713	1K	170	.1K	7	187	.05K	0.501	0.185	160
940811	2K	147	.1K	7	160	.05K	0.508	0.171	120
940915	2K	122	.1K	2	167	0.064	0.391	0.121	70

SALT RIVER AREA
BEECH FORK NEAR MAUD

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI041 931018	4.4	28.2	8	173	2K	17	1K	1K	4	348
PRI041 931111	5.2	32.4	5	112	2K	15	1K	1K	4	326
PRI041 931207	4.5	31.1	41	1510	2K	9	1K	1K	3	2700
PRI041 940113	6.5	34.4	52	1960	2K	20	1K	1K	1K	3020
PRI041 940217	5.5	17.7	14	582	2K	13	1K	1K	1K	1010
PRI041 940323	5	45.9	9	52	2K	12	1K	1K	1	250
PRI041 940414	2.4	31.1	40	1540	2K	19	1K	1K	3	2520
PRI041 940512	3		21	743	2K	22	1K	1K	2	1120
PRI041 940616	1K	26.5	15	462	2K	21	1K	1K	1K	664
PRI041 940713	4.5	29.2	11	511		24	1K		2	1 735
PRI041 940811	5.3	16.7	20	816	2K	24	1K	1	1	1520
PRI041 940915	3.4	288	6	316		16	1K	1K	2	550

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931018	2K	103	.1K	1K	152	.05K	0.055	0.13	90
931111	3	66	.1K	1K	165	0.065	0.021	0.191	20
931207	3	40	.1K	1K	142	0.02	1.84	0.312	600
940113	3	101	.1K	1K	191	0.07	1.6	0.232	1100
940217	2K	31	.1K	1K	195	.05K	1.46	0.126	50
940323	2K	25	.1K	1K	242	.05K	0.43	0.083	40
940414	1	71	.1K	1K	190	0.051	0.83	0.21	1000
940512	2K	63	.1K	5	248	.05K	0.648	0.155	160
940616	2K	76	.1K	1K	246	.05K	0.06	0.133	70
940713	1K	91	.1K	3	199	.05K	0.111	0.136	20
940811	2K	93	.1K	2K	141	.05K	0.696	0.182	130
940915	2K	58	.1K	2K	119	.05K	0.192	0.137	10K

KENTUCKY RIVER AREA

KENTUCKY RIVER AREA
EAGLE CREEK AT GLENCOE

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--										
	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI022	7.5	35.4	8	209	2K	16	1K	1K	2	395
PRI022	4	33.7	205	5370	3	26	1K	1K	6	8150
PRI022	4.9	42.2	33	1260	2K	8	1K	2	2	2240
PRI022	9.5	38.5	7	608	2K	13	1K	1K	1K	1060
PRI022	10.5	33.9	12	768	2K	16	1K	1	2	1320
PRI022	6.8	63.5	2		3	13	1K	1K	3	156
PRI022	1K	21.9	576	18600	2K	73	1K	14	12	*****
PRI022	11.4		18	480	2K	18	1K	1K	1K	834
PRI022	1K	67.8	15	290	2K	19	1K	2	3	480
PRI022	16	87.3	19	622	2K	28	1K	1K	1K	947
PRI022	5	52	31	1900	2K	28	1K	1	4	2800
PRI022	7.5	52	18	704	2K	20	1K	1K	1	979

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931012	2K	42	.1K	1K	148	.05K	0.015	0.037	85
931117	5	243	.1K	1K	105	0.06	0.702	0.491	140
931216	2K	26	.1K	1K	189	.05K	0.552	0.132	110
940112	2K	20	.1K	1K	209	.05K	1.1	0.085	60
940216	2K	30	.1K	1K	213	.05K	0.899	0.088	230
940322	2K	22	.1K	1K	236	.05K	0.312	0.041	25
940411	1	602	.1K	49	161	0.066	0.503	1.03	2300
940524	2K	53	.1K	7	248		0.228	0.076	4K
940613	2K	75	.1K	1K	238	.05K	0.037	0.061	10
940711	2K	122	.1K	14	212	.05K	0.032	0.077	70
940816	2K	120	.1K	4	146	.05K	0.312	0.157	470
940912	2K	89	.1K	2K	146	.05K	0.018	0.069	60

KENTUCKY RIVER AREA
SOUTH ELKHORN CREEK NEAR MIDWAY

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----	YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI034	931019	28.1	52.8	6	182	2K	16	1K	1K	8	252
PRI034	931109	44	57.4	2	38	2K	18	1K	1K	6	
PRI034	931208	14.6	36.4	3	114	2K	10	1K	1K	4	201
PRI034	940112	26.7	35.4	5	200	2K	20	1K	1K	1K	260
PRI034	940223	12.8	9.3	286	9190	2	85	1K	7	7	9760
PRI034	940411	12.7	22.4	9	297	2K	20	1K	1K	3	423
PRI034	940509	11.7		31	943	2K	33	1K	3	2	1100
PRI034	940613	46.6	63.1	10	275	2K	23	1K	1K	5	317
PRI034	940711	61.7	94.8	7	283	2K	29	1K	1K	4	281
PRI034	940816	59.3	107	11	312	2K	32	1K	1K	5	355
PRI034	940912	56.7	82.5	8	268	2K	23	1K	1K	4	284

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931019	2K	35	.1K	1K	165	.05K	4	1.07	150
931109	5	10	.1K	1K	226	.05K	8.62	1.11	10
931208	2K	14	.1K	1K	210	0.01	5.33	0.48	160
940112	3	28	.1K	7	211	.05K	5.74	0.441	100
940223	18	564	.1K	29	137	0.182	3.06	1.84	8400
940411	2	47	.1K	4	175	0.063	3.77	0.432	900
940509	3	121	.1K	12	212	0.076	3.78	0.57	4400
940613	2K	61	.1K	13	209	0.072	8.28	1.16	1500
940711	2K	72	.1K	19	242	.05K	9.22	1.38	230
940816	2K	91	.1K	25	218	.05K	7.34	1.41	18
940912	2	55	.1K	15	200	.05K	10.6	1.33	350

KENTUCKY RIVER AREA
 KENTUCKY RIVER AT FRANKFORT

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI024 931011	8.7	70.3	9	126	2K	32	1K	1K		2 258
PRI024 931110	9.5	58.5	8	278	2K	23	1K	1K		3 730
PRI024 931215	0.2	39.4	8	867	2	13	1K	3		3 2170
PRI024 940111	3.8	32.8	354	6430	2K	68	1K	1K	1K	*****
PRI024 940216	1.9	20.3	271	5100	2K	60	1K	6		9 *****
PRI024 940324	3.1	56.4	22	361	2K	28	1K	1K		3 1260
PRI024 940413	1.3	52.5	75	1350	2K		1K	1K		5 3170
PRI024 940510	1.8		282	7690	5	67	1K	1		8 *****
PRI024 940614 1K		40.3	12	237	2K	25	1K	1K		3 420
PRI024 940712	6.7	116	5	104	2K	39	1K	3	1K	166
PRI024 940810	3.5	123	10	165	2K	49	1K	1K		3 321
PRI024 940913	8.2	75.7	3	32	2K	31	1K	1K	1K	56

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931011	2K	33	.1K	1K	146	.05K	0.844	0.061	10
931110	3	38	.1K	1K	117	.05K	0.792	0.082	20
931215	2	52	.1K	1K	115	0.063	0.85	0.079	150
940111	11	529	.1K	33	84.3	.05K	0.527	0.273	300
940216	7	351	.1K	25	92	0.056	0.622	0.205	300
940324	2K	67	.1K	1K	123	0.061	0.754	0.064	10K
940413	3	124	.1K	6	116	.05K	0.541	0.14	1000
940510	4	373	.1K	42	129	.05K	0.446	0.208	1800
940614	2K	48	.1K	1K	119	.05K	0.282	0.047	40
940712	1K	36	.1K	2K	179	.05K	0.318	0.047	20
940810	2K	53	.1K	3	205	.05K	0.571	0.08	24
940913	2K	11	K.1	K2	141	K.05	0.379	0.063	10K

KENTUCKY RIVER AREA
DIX RIVER NEAR DANVILLE

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI045 931011	10.6	34.2	2	25	2K	24	1K	1K		5 83
PRI045 931110	9.1	37.5	2	25	2K	24	1K	1K		2 85
PRI045 931215	5.1	27.3	1	67	2K	11	1K		1 1K	198
PRI045 940111	5.5	27.4	3	136	2K	21	1K	1K		1K 248
PRI045 940216	5.6	9.7	10	420	2K	22	1K		38 1K	688
PRI045 940324	4.2	16.4	19	574	2K	23	1K	1K		2 980
PRI045 940413	1.5	28.1	36	899	2K	24	1K	1K		4 1450
PRI045 940510	4		10	418	2K	28	1K	1K	1K	634
PRI045 940614	6.2	24	15	346	2	31	1K	1K		3 499
PRI045 940712	8.6	30.8	5	131	2K	39	1K	1K		3 212
PRI045 940810	4.2	21.6	15	589	2K	39	1K		1	2 1100
PRI045 940913	7.6	18.7	3	96	2	26	1K	1K		2 144

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL	
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616	
931011	2K	8	.1K	1K	141	.05K	0.08	0.02	80	
931110	2K	10	.1K	1K	169	.05K	0.608	0.068	10K	
931215	2K	6	.1K	1K	153	.05K	1.83	0.037	170	
940111		2	12	.1K	1K	147	0.053	2.53	0.042	170
940216	2K		29	.1K	1K	139	.05K	1.97	0.053	80
940324	2K		29	.1K	1K	114	0.061	0.971	0.06	630
940413		1	53	.1K	1K	112	.05K	1.11	0.095	2500
940510	2K		31	.1K	3	148	.05K	1.08	0.06	600
940614	2K		45	.1K	1K	129	0.061	1.39	0.113	240
940712	1K		37	.1K	2K	162	.05K	0.387	0.067	70
940810	2K		57	.1K	3	136	.05K	0.936	0.107	300
940913	2K		11	.1K	2K	116	.05K	0.048	0.037	10K

KENTUCKY RIVER AREA
 KENTUCKY RIVER AT CAMP NELSON

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI025 931011	11.9	144	8	108	2K	44	1K	1K	1K	237
PRI025 931110	6.8	58.9	6	135	2K	23	1K			2 8910
PRI025 931215	4.5	49.7	34	1010	2K	16	1K	2		2 2570
PRI025 940111	0.2	35.6	194	3830	2K	47	1K	1K	1K	9020
PRI025 940216	3.7	24.5	104	2170	2K	37	1K	3		5 5310
PRI025 940324	3.3	69.4	19	282	2K	27	1K	1K		2 1090
PRI025 940413	1.1	44	126	2630		39	1K	1		6 6140
PRI025 940510	1.6		47	8280		73	1K	2		7 *****
PRI025 940614 1K		82.4	7	161	2K	32	1K	1K		3 343
PRI025 940712	6.7	111	1	61	2K	50	1K	1		2 137
PRI025 940810	6.2	92.3	9	379	2K	44	1K	1K		2 66
PRI025 940913	9.3	99	1	41	2K	34	1K	1K	1K	82

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931011	2K	38	.1K	1K	214	.05K	0.526	0.024	10
931110	2K	62	.1K	1K	109	.05K	0.523	0.033	10K
931215	2	49	.1K	1K	107	.05K	0.653	0.062	140
940111	8	301	.1K	13	85.2	.05K	0.545	0.126	340
940216	4	166	.1K	5	97.2	.05K	0.548	0.088	380
940324	2K	75	.1K	1K	118	.05K	0.421	0.035	40
940413	4	188	.1K	13	91.5	.05K	0.348	0.11	1200
940510	5	476	.1K	41	103	.05K	0.269	0.162	1900
940614	2K	38	.1K	1K	144	K.05	0.514	0.039	30
940712	1K	32	.1K	2K	219	.05K	0.205	0.026	10K
940810	2K	60	.1K	2	166	.05K	0.474	0.051	70
940913	2K	15	.1K	2K	147	.05K	0.423	0.051	10K

KENTUCKY RIVER AREA
 KENTUCKY RIVER NEAR TRAPP

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI058 931011	12	120	6	122	2K	36	1K	1K	6	324
PRI058 931110	9.4	105	6	85	2K	35	1K	1K	3	532
PRI058 931215	0.3	59.6	15	735	2K	15	1K	1	4	2220
PRI058 940111	4.1	44.4	149	3340	3	46	1K	1K	1K	795
PRI058 940216	2.4	34.7	115	2100	2K	38	1K	5	2	5370
PRI058 940324	4.3	99.6	25	363	2K	36	1K	2	2	1220
PRI058 940413	1K	50.7	212	4060	2	50	1K	6	8	9180
PRI058 940510	1.7		270	6250	2	68	1K	1K	6	*****
PRI058 940614	6.1	149	5	182	2K	38	1K	1K	4	324
PRI058 940712	12.5	110	3	59	2K	54	1K	1K	1K	146
PRI058 940810	7.6	147	8	281	2K	51	1K	1	1	602
PRI058 940913	8.6	192	2	47	2K	49	1K	1K	2	114

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931011	2K	39	.1K	1K	177	.05K	0.481	.005K	10
931110	3	99	.1K	1K	165	.05K	0.283	0.021	10K
931215	2K	54	.1K	1K	95	.05K	0.418	0.033	170
940111	6	265	.1K	13	84.1	0.053	0.419	0.105	500
940216	4	173	.1K	7	80.9	0.056	0.366	0.071	240
940324	2K	95	.1K	1K	138	.05K	0.416	0.029	23
940413	3	264	.1K	38	79.2	0.055	0.208	0.118	1600
940510	4	382	.1K	38	99.9	.05K	0.23	0.125	1000
940614	2K	31	.1K	1K	194	.05K	0.356	0.014	10K
940712	1K	34	.1K	2K	242	.05K	0.207	0.017	10K
940810	2K	57	.1K	6	195	.05K	0.317	0.025	50
940913	2K	22	.1K	2K	262	.05K	0.187	0.016	10K

KENTUCKY RIVER AREA
RED RIVER AT CLAY CITY

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI046 931012	7.3	55.6	6	117	2K	37	1K	1K	5	1070
PRI046 931108	14.9	18.7	3	67	2K	50	1K	1K	1K	478
PRI046 931213	4.1	29	8	160	2K	12	1K	1K	2	711
PRI046 940110	0.2	25.8	46	960	2K	26	1K	1K	1K	2480
PRI046 940215	3.6	5K	39	863	2K	26	1K	2	1K	2280
PRI046 940322	6	13.8	26	357	2K	30	1K	1K	1	1240
PRI046 940412	2.3	29.4	35	860	2K	28	1K	3	3	1890
PRI046 940511	3.3		35	810	2K	30	1K	1	1K	1870
PRI046 940615	6.7	5K	5	41	2K	35	1K	1K	2	254
PRI046 940714	6	20.7	3	255	2K	47	1K	1K	2	791
PRI046 940808				1300	2K	47	1K	1	2	3100
PRI046 940914	12.7	15	7	163	2K	41	1K	1K	1	645

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931012	2K	60	.1K	1K	94.9	.05K	0.367	0.019	60
931108	2K	30	.1K	1K	142	.05K	0.34	0.016	60
931213	2K	26	.1K	1K	55.4	.01K	0.352	0.023	51
940110	4	76	.1K	1K	46	0.062	0.362	0.035	170
940215	2K	69	.1K	1K	48.1	.05K	0.263	0.033	30
940322	2K	74	.1K	1K	65.5	.05K	0.237	0.032	140
940412	1	59	.1K	1K	61.9	.05K	0.165	0.03	1000
940511	2K	77	.1K	6	54.6	.05K	0.201	0.032	210
940615	2K	35	.1K	1K	76.8	.05K	0.282	0.019	280
940714	1K	75	.1K	2K	104	.05K	0.266	0.025	1200
940808	2K	110	.1K	9	85.7	.05K	0.433	0.052	170
940914	2K	89	.1K	2K	94.9	.05K	0.247	0.023	70

KENTUCKY RIVER AREA
 NORTH FORK KENTUCKY RIVER AT JACKSON

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI031 931012	8.3	299	8	103	2K	35	1K	1K	3	368
PRI031 931108	7.3	189	4	54	2K	28	1K	1K	1K	324
PRI031 931213	5.4	170	16	209	2K	17	1K	1K	3	821
PRI031 940110	3.5	101	68	1250	2K	35	1K	1K	1K	3680
PRI031 940215	3	114	82	1160	2K	36	1K	3	4	3250
PRI031 940322	2	152	144	1950	2K	49	1K	3	4	5310
PRI031 940412	1K	72	128	2690	3	41	1K	5	8	6120
PRI031 940511	2.4		45	1060	2K	39	1K	1K	1	2580
PRI031 940615	8.1	306	9	35	2K	41	1K	2	2	94
PRI031 940714	7.1	115	34	804	2K	56	1K	1K	3	1590
PRI031 940808				914	2K	50	1K	1	2	2080
PRI031 940914	12.3	434	8	126	2K	53	1K	1K	1K	319

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931012	2K	54	.1K	1K	358	.05K	0.433	.005K	100
931108	2K	56	.1K	1K	233	.05K	0.349	0.014	80
931213	2	69	.1K	4	213	0.094	0.55	0.029	360
940110	3	200	.1K	1K	144	.05K	0.575	0.051	650
940215	2	178	.1K	2	147	0.06	0.578	0.051	540
940322	2	242	.1K	1K	202	.05K	0.529	0.076	950
940412	3	206	.1K	20	125	.05K	0.32	0.08	1400
940511	2K	148	.1K	10	168	.05K	0.434	0.038	340
940615	2K	16	.1K	1K	355	.05K	0.371	0.015	200
940714	1K	91	.1K	5	451	.05K	0.373	0.038	12000
940808	2K	128	.1K	8	287	.05K	0.555	0.031	580
940914	2K	54	.1K	2K	496	.05K	0.16	0.019	70

KENTUCKY RIVER AREA
MIDDLE FORK KENTUCKY RIVER AT TALLEGA

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI032 931012	5.8	74.8	3	19	2K	30	1K	1K	3	293
PRI032 931108	4.7	72.9	5	77	2K	28	1K	1K	2	283
PRI032 931213	2.8	44.5	49	976	2K	15	1K	1K	6	2640
PRI032 940110	3.2	39.6	65	1110	2K	27	1K	1K	1K	2770
PRI032 940215	1.8	22.1	174	4030	2K	48	1K	4	4	9040
PRI032 940322	2.6	53.1	39	579	2K	26	1K	1K	4	1900
PRI032 940412 1K		51.1	24	610	2K	26	1K	1K	3	1470
PRI032 940511	1.9		42	1290	2K	42	1K	1K	1	2320
PRI032 940615	3.8	47.8	4	22	2K	21	1K	1K	2	105
PRI032 940714 1K		104	3	192	2K	43	1K	1K	1K	654
PRI032 940808				472	2K	44	1K	1K	1	1140
PRI032 940914	6.1	96.2	5	119	2K	42	1K	1K	2	479

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL	
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616	
931012	2K	49	.1K	1K	110	.05K	0.116	.005K	20	
931108	2K	46	.1K	1K	103	.05K	0.167	0.014	20	
931213	2K	61	.1K	11	52.5	.01K	0.32	0.049	190	
940110		3	112	.1K	1K	54.6	.05K	0.264	0.038	240
940215		5	195	.1K	15	47	.05K	0.238	0.11	160
940322	2K		92	.1K	1K	71.4	.05K	0.243	0.036	390
940412	1K		61	.1K	1K	64.9	.05K	0.179	0.028	200
940511	2K		112	.1K	8	101	.05K	0.151	0.037	180
940615	2K		11	.1K	1K	71.6	.05K	0.144	0.01	30
940714	1K		96	.1K	2K	126	.05K	0.211	0.019	340
940808	2K		95	.1K	2	117	.05K	0.249	0.02	320
940914	2K		87	.1K	2K	139	.05K	0.206	0.018	20

KENTUCKY RIVER AREA
SOUTH FORK KENTUCKY RIVER AT BOONEVILLE

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----	YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI033	931012	11.6	57.9	6	88	2K	34	1K	1K	4	399
PRI033	931108	6.5	49.8	3	31	2K	26	1K	1K	2	292
PRI033	931213	4.6	53.9	3	120	2K	13	1K	1K	3	409
PRI033	940110	2.4	35.5	22	587	2K	23	1K	1K	1K	1530
PRI033	940215	2.5	19.7	19	490	2K	23	1K	1K	1K	1360
PRI033	940322	5.6	47.2	11	86	2K	28	1K	1K	1	609
PRI033	940412	1K	26	84	2050	2K	29	1K	2	5	4880
PRI033	940511	2		14	501	2K	26	1K	1K	1K	1080
PRI033	940615	13.9	86.7	2	6K	2K	43	1K	1K	2	39
PRI033	940714	12.5	74.2	10	337	2K	40	1K	1K	1	723
PRI033	940808				957	2K	36	1K	1	1	1950
PRI033	940914	16.4	70.4	5	139	2K	44	1K	1K	1	396

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931012	2K	53	.1K	1K	96.6	.05K	0.199	.005K	20
931108	3	22	.1K	1K	75.1	.05K	0.389	0.012	10
931213	2K	37	.1K	1K	71.7	.01K	0.49	0.021	180
940110	3	87	.1K	1K	49.7	.05K	0.43	0.026	170
940215	2	88	.1K	1K	48.7	.05K	0.315	0.026	60
940322	2K	81	.1K	1K	71.3	.05K	0.277	0.02	160
940412	4	167	.1K	10	31.9	.05K	0.141	0.077	1800
940511	2K	61	.1K	4	53.8	.05K	0.184	0.022	120
940615	2K	4	.1K	1K	114	.05K	0.235	0.011	40
940714	1K	53	.1K	2K	96.6	.05K	0.119	0.019	310
940808	2K	74	.1K	8	71.9	.05K	0.481	0.034	230
940914	2K	87	.1K	2K	106	.05K	0.077	0.019	170

LICKING RIVER AREA

LICKING RIVER AREA
SOUTH FORK LICKING RIVER AT MORGAN

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI059 931019	15.9	39.7	1	75	2K	23	1K	1K		4 118
PRI059 931109	12.2	35.9	2	24	2K	18	1K	1K	1K	11
PRI059 931208	5.6	33.6	42	1250	2K	12	1K	1K		3 2160
PRI059 940112	8.3	30.6	14	463	2K	19	1K	1K	1K	772
PRI059 940223	3.8	14.2	448	12800	3	72	1K	8		6 *****
PRI059 940411	2.7	25.6	112	3620	2K	31	1K	3		4 5710
PRI059 940509	3.4		336	12000	2	71	1K	10		6 *****
PRI059 940613	7.7	5K	21	405	2K	21	1K	3		3 625
PRI059 940711	10.3	19.4	20	609	2K	29	1K	1K	1K	856
PRI059 940816	6.8	18.5	14	591	2K	34	1K	1		2 824
PRI059 940912	26.4	66.6	18	410	2	31	1K	1K		2 676

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931019	2K	7	.1K	1K	163	.05K	0.019	0.132	60
931109	2	3	.1K	1K	215	.05K	1.71	0.269	10
931208	2	47	.1K	3	173	0.024	2.79	0.371	650
940112	2	30	.1K	1K	194	0.058	3.22	0.207	140
940223	10	693	.1K	22	146	0.099	1.07	1.12	16000L
940411	2	152	.1K	4	180	0.07	1.25	0.367	600
940509	8	621	.1K	33	143	0.107	1.12	0.873	11000
940613	2K	72	.1K	1K	185	.05K	0.609	0.219	110
940711	2K	76	.1K	2	165	.05K	0.255	0.198	10
940816	2K	55	.1K	3	169	.05K	0.984	0.21	60
940912	2K	67	.1K	2K	171	.05K	0.126	0.182	30

LICKING RIVER AREA
 NORTH FORK LICKING RIVER AT MILFORD

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----	YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI060	931019	8.7	27.4	6	25	2K	24	1K	1K	4	139
PRI060	931109	9.4	35	6	51	2K	17	1K	1K	1	109
PRI060	931208	6	38.9	28	1110	2K	13	1K	6	2	1900
PRI060	940112	8.3	37.6	7	416	2K	22	1K	1K	1K	676
PRI060	940223	3.3	19.7	848	23300	4	84	1K	15	15	*****
PRI060	940411	1K	25.6	360	12400	4	68	1K	9	11	*****
PRI060	940509	1.7		152	7970	3	54	1K	6	3	*****
PRI060	940613	1K	5K	19	578	2K	24	1K	1K	3	816
PRI060	940711	7.2	31.2	25	806	2K	36	1K	1K	1	1180
PRI060	940816	6.4	52.1	28	1440	2K	42	1K	1	3	1880
PRI060	940912	8	46.3	14	549	2K	31	1K	1K	2	850

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931019	2K	437	.1K	1K	193	.05K	0.01	0.212	60
931109	2	42	.1K	1K	144	.05K	0.475	0.096	60
931208	2K	34	.1K	6	181	0.026	2.74	0.152	550
940112	2	32	.1K	1K		.05K	2.76	0.082	40
940223	10	848	.1K	50	113	0.071	0.581	1.04	6400
940411	8	556	.1K	30	124	0.085	0.786	0.736	8000
940509	4	284	.1K	25	115	0.092	0.876	0.421	16000L
940613	2K	82	.1K	1K	201	.05K	0.353	0.103	1600
940711	2K	126	.1K	3	222	.05K	0.07	0.097	180
940816	2K	123	.1K	2	212	.05K	0.653	0.132	1500
940912	2K	115	.1K	2K	174	.05K	0.278	0.119	150

LICKING RIVER AREA
 LICKING RIVER AT CLAYSVILLE

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----	YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI061	931019	4.3	34.4	6	120	2K	16	1K	1K	3	305
PRI061	931109	3.5	31.9	4	28	2K	13	1K	1K	1K	56
PRI061	931208	4	30.5	43	944	2K	13	1K	1	3	2060
PRI061	940112	5.3	31	19	377	2K	21	1K	1K	1K	915
PRI061	940223	3.5	17.4	388	11800	3	60	1K	9	8	*****
PRI061	940411	1K	18.3	26	1000	2K	23	1K	1K	3	2030
PRI061	940509	2		206	6050	6	50	1K	1K	3	*****
PRI061	940613	6	5K	15	287	2K	20	1K	1K	2	458
PRI061	940711	1K	28.3	31	982	2K	34	1K	1K	2	1430
PRI061	940816	6.2	51.3	24	831	2K	29	1K	1	2	1410
PRI061	940912	5.7	49.2	21	593	2K	22	1K	1K	4	1080

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931019	2K	32	.1K	1K	71.9	.05K	0.144	0.016	40
931109	2K	26	.1K	1K	73.4	.05K	0.184	0.023	70
931208	2	58	.1K	4	89.6	.05K	1.07	0.087	200
940112	2K	61	.1K	1K	87.9	0.061	0.828	0.042	50
940223	8	544	.1K	17	98.5	0.082	0.629	0.634	8000
940411	1	94	.1K	1K	81.8	.05K	0.423	0.07	1100
940509	4	293	.1K	34	91.8	0.059	0.458	0.225	12000
940613	2K	52	.1K	1K	96.8	.05K	0.148	0.044	70
940711	2K	115	.1K	4	115	.05K	0.017	0.069	40
940816	2K	89	.1K	2K	108	.05K	0.42	0.074	80
940912	2K	75	.1K	2	89	.05K	0.348	0.072	10

LICKING RIVER AREA
 LICKING RIVER AT WEST LIBERTY

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI062 931013	12.9	70.1	4	39	2K	38	1K	1	5	631
PRI062 931109	9.8	58.5	1	18	2K	27	1K	1K	1K	620
PRI062 931215	6.6	56.7	6	55	2K	17	1K	3	1K	690
PRI062 940113	4.6	45.9		3710	2K	47	1K	1K	1K	5640
PRI062 940215	2.5	23.8	41	763	2K	30	1K	1K		3 2550
PRI062 940315	3.7	54.2	34	550	2K	38	1K	1K		2 1970
PRI062 940414	1.4	53.6	18	376	2K	29	1K	1K		3 1440
PRI062 940511	2.9		32	668	2K	40	1K	1K	1K	2110
PRI062 940621	6.8	92.8	7	109	2K	52	1K	1K		3 590
PRI062 940720	5.6	88.3	45	942	2K	44	1K	1K		3 2490
PRI062 940811	5.6	78.8	28	459	2K	42	1K		1	1 1520
PRI062 940914	19.3	78.6	14	225	2K	52	1K	1K	1K	945

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931013	2K	61	.1K	4	141	.05K	0.262	.005K	12
931109	3	80	.1K	24	90.6	.05K	0.322	.005K	140
931215	2K	75	.1K	1K	94.5	.05K	0.463	0.02	420
940113	4	191	.1K	5	71.7	0.085	0.361	0.085	2100
940215	3	99	.1K	1K	58.1	.05K	0.332	0.045	1400
940315	2K	99	.1K	1K	95.5	.05K	0.439	0.035	1200
940414	1	70	.1K	8	76.3	0.054	0.242	0.028	1000
940511	2K	105	.1K	28	67.7	.05K	0.239	0.036	1200
940621	2K	210	.1K	3	160	.05K	0.428	0.021	180
940720	1K	169	.1K	13	126	.05K	0.441	0.041	380
940811	2K	136	.1K	7	123	.05K	0.315	0.031	490
940914	2K	228	.1K	14	151	.05K	0.277	0.024	180

LICKING RIVER AREA
KINNICONICK CREEK AT TANNERY

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI063 931012	6	44	9	146	2K	36	1K	1K	7	741
PRI063 931109	6.1	25.4	1	46	2K	22	1K	1K	1K	496
PRI063 931214	3	24.5	2	6K	2K	8	1K	2	1K	191
PRI063 940113	3.4	27.4		207	2K	16	1K	1K	1K	474
PRI063 940215	2.7	5.8	4	131	2K	16	1K	3	1	347
PRI063 940314	2	5K	11	6K	2K	19	1K	1K	2	331
PRI063 940413	1K	30	1	134	2K	17	1K	1K	1	370
PRI063 940510	1.4		4	136	2K	19	1K	1K	1K	334
PRI063 940620	3.8	32.4	3	65	2K	23	1K	1K	3	529
PRI063 940719	3.8	11.6	3	136	2K	26	1K	1K	1K	760
PRI063 940809	1K	17.1	5	420	2K	30	1K	1	1	1190
PRI063 940913	3.8	47.8	4	98	2K	28	1K	1K	1K	647

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931012	2K	193	.1K	1K	75.6	.05K	0.18	.005K	40
931109	2K	31	.1K	36	46.4	.05K	0.604	.005K	72
931214	2K	10	.1K	9	34.6	.05K	0.761	0.013	230
940113	2	19	.1K	1K	27.6	.05K	0.655	0.022	340
940215	2K	18	.1K	2	26.8	.05K	0.473	0.015	50
940314	2K	24	.1K	3	25.2	.05K	0.35	0.014	93
940413	1K	19	.1K	1K	27	.05K	0.197	0.017	330
940510	2K	22	.1K	21	28.1	.05K	0.296	0.013	170
940620	2K	78	.1K	18	44.5	.05K	0.173	0.018	160
940719	1K	62	.1K	21	46.3	.05K	0.164	0.014	150
940809	2K	72	.1K	21	43.1	.05K	0.413	0.022	270
940913	2K	129	.1K	11	44.4	.05K	0.221	0.019	60

TYGARTS CREEK AREA

TYGARTS CREEK AREA
 TYGARTS CREEK NEAR LOAD

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI048 931012	9.2	30.9	3	21	2K	38	1K	1K	3	472
PRI048 931109	10	29.8	4	75	2K	28	1K	1K	1K	802
PRI048 931214	4.9	31.6	2	38	2K	13	1K	1K	1K	356
PRI048 940113	5.6	29.4	35	662	2K	26	1K	1K	1K	1430
PRI048 940215	4.6	10.1	7	537	2K	23	1K		5	2 1230
PRI048 940314	4	25.1	89	1470	2K	43	1K		1	4 3940
PRI048 940413	1.7	30.5	32	647	2K	26	1K	1K		2 1460
PRI048 940510	3.1		13	518	2K	28	1K	1K	1K	1090
PRI048 940620	6.4	18.7	6	73	2K	42	1K	1K		1 469
PRI048 940719	9.4	29.3	6	280	2K	44	1K	1K		1 936
PRI048 940809	1K	49.8	19	623	2K	43	1K		1	1 1570
PRI048 940913	7.8	17.9	3	93	2K	37	1K		5 1K	520.

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931012	2K	254	.1K	15	129	.05K	0.156	0.009	67
931109	2K	72	.1K	31	128	.05K	0.387	.005K	30
931214	2K	14	.1K	1K	103	.05K	0.75	0.022	100
940113	2K	53	.1K	1K	87.2	.05K	0.644	0.035	1000
940215	2K	49	.1K	1K	75	.05K	0.534	0.034	300
940314	4	222	.1K	11	55.2	.05K	0.351	0.068	600
940413	1	65	.1K	6	76.7	.05K	0.211	0.028	1600
940510	2K	62	.1K	23	84.4	.05K	0.423	0.029	1300
940620	2K	208	.1K	29	127	.05K	0.27	0.021	110
940719	1K	102	.1K	10	145	.05K	0.476	0.063	190
940809	2K	111	.1K	14	125	.05K	0.771	0.032	420
940913	2K	126	.1K	21	111	.05K	0.285	0.02	120

LITTLE SANDY RIVER AREA

LITTLE SANDY RIVER AREA
 LITTLE SANDY RIVER NEAR ARGILLITE

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----	YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI049	931012	55.7	51.8	1	9	2K	35	1K	1K	3	599
PRI049	931109	14.7	1720	2	32	2K	22	1K	1K	1K	276
PRI049	931214	6.9	44.8	13	176	2K	13	1K	7	1K	892
PRI049	940113	6.7	37.4	118	1380	2K	36	1K	1K	1K	3470
PRI049	940215	5	18.6	56	1080	2K	34	1K	1K	3	2890
PRI049	940314	2.7	9.8	14	91	2K	24	1K	1K	2	470
PRI049	940413	2.6	55.3	172	2920	2	52	1K	1	6	7030
PRI049	940510	3.9	48	48	882	2K	43	1K	1K	2	2250
PRI049	940620	39.8	40.4	4	44	2K	46	1K	1K	3	519
PRI049	940719	18.9	52.7	5	144	2K	46	1K	1K	2	795
PRI049	940809	12.4	68.6	16	351	2K	53	1K	2	2	1170
PRI049	940913	37.2	56.4	6	104	2K	53	1K	1K	1K	951

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931012	2K	306	.1K	1K	71.9	.05K	1.32	.005K	83
931109	2K	69	.1K	20	64.9	.05K	0.39	0.005	40
931214	2K	46	.1K	1K	66.9	.05K	0.568	0.019	200
940113	3	175	.1K	1K	50.8	0.076	0.423	0.064	1600
940215	2	161	.1K	1K	52.7	.05K	0.41	0.055	500
940314	2K	43	.1K	1K	74.9	.05K	0.461	0.022	520
940413	4	323	.1K	23	71.9	0.089	0.293	0.11	4100
940510	2K	156	.1K	28	60.6	.05K	0.23	0.04	520
940620	2K	401	.1K	43	76.5	.05K	0.782	0.02	120
940719	1K	335	.1K	8	91.6	.05K	0.696	0.023	180
940809	2K	340	.1K	15	106	.05K	0.527	0.03	630
940913	2K	541	.1K	20	82.3	.05K	0.818	0.026	95

BIG SANDY RIVER AREA

BIG SANDY RIVER AREA
 LEVISA FORK NEAR LOUISA

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----	YYMMDD--										
		940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI064	931012	24.3	172	19	304	2K	56	1K	1K	1	840
PRI064	931108	19.5	156	10	189	2K	47	1K	1K	3	602
PRI064	931215	10.1	106	16	203	2K	21	1K	1K	1	856
PRI064	940111	5.2	70.4	110	2050	2K	48	1K	1K	1K	5450
PRI064	940215	3.7	66.1	95	1820	2K	49	1K	2	6	4780
PRI064	940314	4.7	67.3	58	1270	2K	40	1K	1K	4	3170
PRI064	940412	3.6	110	80	1490	2K	52	1K	1K	5	3550
PRI064	940510	4		78	1550	2K	60	1K	1K	1	3270
PRI064	940613	15.1	176	17	290	2K	59	1K	1K	4	663
PRI064	940719	8.9	99.3	99	1930	2K	56	1K	2	5	4010
PRI064	940809	14	164	33	803	2K	64	1K	1	2	1720
PRI064	940912	19.3	165	16	218	2K	54	1K	1K	1	596

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931012	2K	75	.1K	1K	212	.05K	0.417	0.01	60
931108	7	62	.1K	27	193	.05K	0.32	.005K	60
931215	6	47	.1K	1K	146	.05K	0.675	0.035	900
940111	3	229	.1K	14	98.2	0.051	0.56	0.091	600
940215	8	200	.1K	7	102	.05K	0.496	0.073	1300
940314	3	145	.1K	1K	96.7	.05K	0.43	0.054	1100
940412	3	134	.1K	15	136	.05K	0.408	0.052	7000
940510	2	199	.1K	23	109	.05K	0.313	0.052	2000
940613	2K	76	.1K	5	201	.05K	0.529	0.025	40
940719	1K	113	.1K	18	153	.05K	0.58	0.171	1500
940809	2K	80	.1K	11	208	.05K	0.584	0.032	1400
940912	5	57	.1K	11	191	.05K	0.331	0.025	20

BIG SANDY RIVER AREA
 LEVISA FORK NEAR PIKEVILLE

STORET DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI006 931012	22.9	196	9	162	2K	52	1K	1K	2	394
PRI006 931108	29.6	189	8	123	2K	56	1K	1K	1K	323
PRI006 931215	14.1	128	9	176	2K	23	1K	1K	1K	529
PRI006 940111	6.7	85.7	19	521	2K	33	1K	1K	1K	1340
PRI006 940215	4.2	78.8	76	1950	2K	49	1K	3	5	4720
PRI006 940314	6.9	119	12	406	2K	41	1K	1K	3	1200
PRI006 940412	2.8	94.1	18	501	2K	36	1K	1K	3	1010
PRI006 940510	5.2		11	270	2K	46	1K	1K	1K	595
PRI006 940613	13	175	45	861	2K	55	1K	1K	5	1710
PRI006 940719	11.2	129	42	940	2K	59	1K	1K	2	1890
PRI006 940809	17.8	193	40	914	2K	72	1K	1	3	1750
PRI006 940912	17	179	6	103	2K	57	1K	1K	1K	272

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931012	2K	63	.1K	K1	223	.05K	0.328	.005K	800
931108	5	64	.1K	16	225	.05K	0.283	.005K	100
931215	5	62	.1K	1K	166	0.264	0.738	0.018	700
940111	2K	88	.1K	1K	107	0.137	0.665	0.04	400
940215	7	157	.1K	14	113	.05K	0.557	0.084	300
940314	2	92	.1K	20	141	.05K	0.526	0.023	1000
940412	1K	78	.1K	10	107	.05K	0.387	0.024	900
940510	2K	90	.1K	8	160	.05K	0.412	0.02	900
940613	2K	89	.1K	7	186	.05K	0.377	0.031	6000
940719	1K	107	.1K	8	201	.05K	0.453	0.032	1100
940809	2K	120	.1K	10	221	.05K	0.377	0.026	4000
940912	4	43	.1K	13	205	.05K	0.228	0.017	300

BIG SANDY RIVER AREA
TUG FORK AT KERMIT, W. VA.

STORET	DATE	CHLORIDE	SULFATES	TSS	ALUMINUM	ARSENIC	BARIUM	CADMIUM	CHROMIUM	COPPER	IRON
-----	YYMMDD--	940	946	530	1105	1002	1007	1027	1034	1042	1045
PRI002	931012	45.6	202	25	365	2K	58	1K	1K		2 888
PRI002	931108	27	166	5	118	2K	51	1K		1K	468
PRI002	931215	16.1	118	28	442	2K	25	1K			2 1330
PRI002	940111	8.5	82.9	43	704	2K	41	1K		1K	2000
PRI002	940215	5.7	86.4	68	1250	2K	52	1K	2		6 3260
PRI002	940314	6.5	115	14	368	2K	40	1K			3 962.
PRI002	940412	6.1	123	29	789	2K	52	1K			6 1710
PRI002	940510	6.1		38	828	2K	47	1K			2 1870
PRI002	940613	10.3	172	17	336	2K	55	1K			4 731
PRI002	940719	18.7	147	10	294	2K	68	1K			2 584
PRI002	940809	16.9	157	42	903	2K	72	1K	1		4 1970
PRI002	940912	25.6	207	13	212	2K	65	1K			1 513

DATE	LEAD	MANGANESE	MERCURY	ZINC	HARDNESS	NH3-N	NO2+NO3-N	TP	FECAL
YYMMDD---	1051	1055	71900	1092	900	610	630	665	31616
931012	2K	77	.1K	1K	219	.05K	0.649	0.009	2300
931108	4	68	.1K	14	197	.05K	0.679	.005K	1400
931215	5	70	.1K	1K	157	0.087	0.863	0.032	100
940111	2	106	.1K	1K	115	0.144	0.809	0.037	1300
940215	4	125	.1K	9	128	.05K	0.685	0.054	1600
940314	2	67	.1K	3	136	.05K	0.672	0.025	1600
940412	2	79	.1K	21	148	.05K	0.526	0.023	3000
940510	2K	91	.1K	13	105	.05K	0.518	0.036	2400
940613	2K	54	.1K	10	182	.05K	0.796	0.026	1000
940719	1K	45	.1K	8	219	.05K	0.796	0.023	1000
940809	2K	105	.1K	9	195	.05K	0.717	0.033	700
940912	2	47	.1K	11	208	.05K	0.558	0.02	600