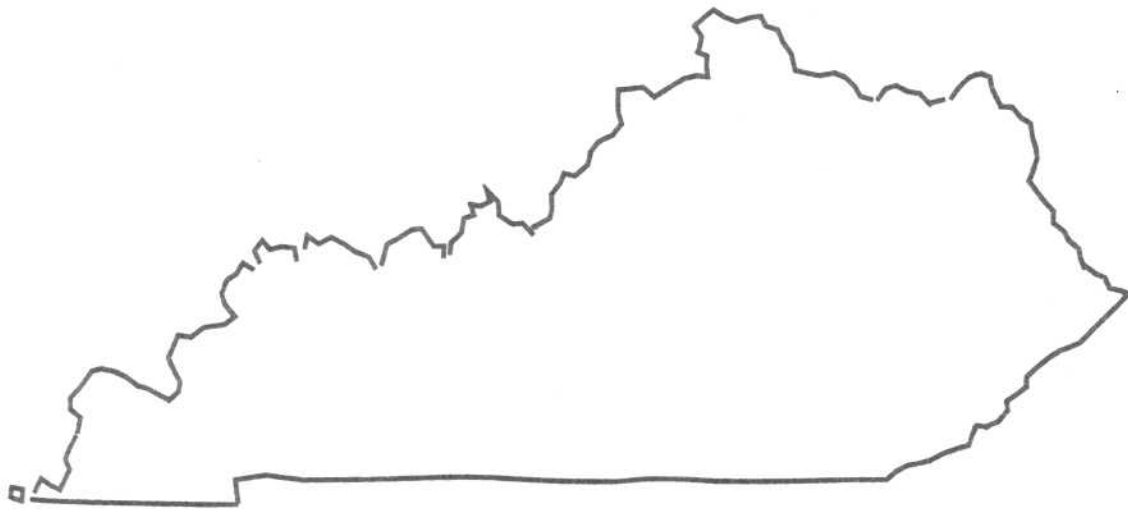


Water Resources Data Kentucky Water Year 1998

Water-Data Report KY-98-1



U.S. Department of the Interior
U.S. Geological Survey



Prepared in cooperation with the
Commonwealth of Kentucky
and with other agencies

SALT RIVER BASIN

03298150 CHENOWETH RUN AT GELHAUS LANE NEAR FERN CREEK, KY--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG.C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	518	199	399
25	---	---	---	---	---	---	---	---	---	582	518	553
26	---	---	---	---	---	---	---	---	---	614	577	588
27	---	---	---	---	---	---	---	---	---	627	606	617
28	---	---	---	---	---	---	---	---	---	633	619	625
29	---	---	---	---	---	---	---	---	---	640	621	630
30	---	---	---	---	---	---	---	---	---	638	623	629
31	---	---	---	---	---	---	---	---	---	633	625	629
MONTH	---	---	---	---	---	---	---	---	---	640	199	584
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	640	626	633	651	618	635	512	394	454	576	532	560
2	669	632	641	645	614	632	568	512	540	594	547	570
3	702	664	683	641	609	630	1380	556	672	604	538	572
4	716	652	689	647	600	627	630	565	604	578	177	412
5	655	599	632	665	466	640	621	567	599	530	250	453
6	661	618	638	510	292	412	636	595	618	529	345	467
7	638	623	632	1220	490	721	644	605	623	555	520	532
8	701	626	644	889	655	706	652	615	634	568	208	450
9	765	586	669	661	624	638	652	607	632	555	476	515
10	726	708	718	633	612	624	663	602	635	560	185	481
11	725	711	719	631	597	618	667	604	634	487	183	389
12	742	700	714	634	594	619	675	583	631	539	487	514
13	750	725	735	646	592	622	677	276	575	563	537	543
14	750	719	735	650	598	632	590	422	530	600	549	565
15	736	711	727	652	484	587	607	544	588	599	207	443
16	738	721	731	705	531	614	634	544	583	619	564	592
17	733	718	727	633	547	592	663	591	618	624	590	609
18	727	693	710	644	599	625	672	589	630	624	596	611
19	741	555	693	648	267	430	672	536	606	627	597	613
20	604	363	509	708	471	575	612	205	426	619	600	610
21	651	604	623	587	573	578	583	514	537	625	603	617
22	676	625	649	577	511	556	600	202	483	623	589	608
23	685	647	673	541	515	532	468	278	405	625	586	605
24	689	649	672	557	533	540	555	468	515	622	551	606
25	682	640	669	561	518	545	612	543	564	581	420	505
26	686	659	677	570	554	561	607	370	499	582	176	376
27	697	289	587	575	565	570	622	554	574	503	182	376
28	592	400	529	580	519	568	649	400	572	500	118	404
29	651	591	621	584	448	520	568	377	479	483	226	411
30	---	---	---	602	582	590	575	454	535	535	483	512
31	---	---	---	589	437	557	---	---	---	556	535	541
MONTH	765	289	665	1220	267	590	1380	202	567	627	118	518

SALT RIVER BASIN

03298150 CHENOWETH RUN AT GELHAUS LANE NEAR FERN CREEK, KY--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG.C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	575	556	565	535	438	500	657	617	632	710	620	671
2	580	348	496	551	162	429	662	578	644	711	611	667
3	581	513	554	487	210	389	646	521	558	712	664	687
4	601	574	585	514	449	487	704	601	638	714	664	691
5	630	601	613	546	415	489	737	632	683	712	661	690
6	623	324	595	498	385	452	740	666	711	694	414	497
7	520	307	455	572	185	499	737	670	712	602	316	503
8	546	248	431	550	185	436	729	256	571	611	405	514
9	519	385	473	639	541	575	585	372	507	611	244	402
10	551	205	450	699	614	648	627	582	597	604	341	490
11	489	308	408	708	640	680	628	606	620	670	588	621
12	521	284	452	712	634	679	628	540	586	706	649	673
13	565	521	541	719	377	662	612	590	604	714	668	694
14	585	551	570	566	189	436	650	578	604	753	689	712
15	603	351	522	535	169	406	663	612	639	769	704	735
16	637	599	612	622	535	577	676	638	655	762	191	436
17	642	594	626	672	622	645	676	637	658	573	472	525
18	657	449	614	670	571	628	674	617	650	652	573	613
19	629	464	560	677	625	660	662	609	640	688	637	655
20	667	584	630	684	609	649	660	389	619	687	642	670
21	648	538	603	689	154	558	479	187	390	684	231	541
22	615	543	582	561	273	472	589	397	509	536	392	485
23	611	546	580	642	561	589	633	578	600	619	536	568
24	613	522	574	707	642	667	631	434	497	641	618	628
25	628	567	603	747	668	705	636	555	581	668	609	637
26	643	570	614	770	691	732	660	598	627	679	614	652
27	661	562	625	799	708	755	670	629	656	678	103	359
28	645	519	597	812	737	776	696	622	658	491	231	347
29	606	505	562	812	68	597	699	640	674	575	491	534
30	576	454	526	482	331	438	708	646	685	642	575	606
31	---	---	---	617	482	557	705	640	683	---	---	---
MONTH	667	205	554	812	68	573	740	187	616	769	103	583
YEAR	1380	68	583									

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG.C), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	666	641	652	758	703	734	488	328	423	626	598	615
2	671	650	665	742	685	716	547	488	519	631	609	621
3	679	651	669	726	682	708	582	542	565	644	609	631
4	686	653	671	725	680	706	598	582	587	670	627	647
5	690	642	670	744	679	714	598	506	575	641	256	459
6	690	627	667	742	444	611	597	515	551	624	545	577
7	682	622	659	578	281	491	630	597	614	641	618	631
8	685	635	668	566	312	497	746	630	699	656	639	646
9	683	580	636	596	336	515	712	644	669	1410	634	809
10	608	574	596	665	596	629	719	669	705	1290	876	980
11	629	555	590	684	659	670	702	655	676	1200	945	1090
12	649	592	622	701	676	686	669	214	417	945	793	865
13	663	597	635	704	678	698	561	473	523	796	745	774
14	670	608	645	701	672	691	604	561	582	782	723	751
15	679	612	654	712	677	694	618	587	604	900	579	717
16	693	624	659	710	661	692	620	211	496	771	696	724
17	693	637	668	706	660	684	457	186	318	780	727	753
18	646	209	412	664	560	594	546	457	504	770	718	743
19	597	513	551	664	606	632	568	544	552	720	690	704
20	644	597	615	679	629	658	581	566	571	774	707	744
21	661	632	643	674	503	603	589	580	584	768	732	742
22	669	624	654	627	550	583	691	586	608	752	545	654
23	655	409	519	682	622	646	684	275	607	729	632	709
24	656	569	601	696	647	676	481	181	369	724	428	576
25	673	632	654	696	239	506	537	481	509	627	489	581
26	677	444	601	523	404	465	565	537	548	645	621	631
27	635	485	566	569	516	546	585	565	573	646	260	445
28	648	598	629	596	569	585	594	561	581	534	293	449
29	679	629	651	610	595	600	599	571	590	579	534	557
30	718	662	687	600	394	479	613	585	599	609	578	590
31	760	680	710	---	---	---	620	598	612	623	607	613
MONTH	760	209	630	758	239	624	746	181	559	1410	256	678

SALT RIVER BASIN

03298150 CHENOWETH RUN AT GELHAUS LANE NEAR FERN CREEK, KY--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
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	---	---	---	---	---	---	---	---	---	8.4	7.9	8.1
MONTH	---	---	---	---	---	---	---	---	---	8.4	7.9	8.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.3	7.8	8.0	8.7	7.7	8.1	8.5	8.1	8.2	8.6	7.8	8.1
2	8.2	7.7	7.9	8.7	7.7	8.1	8.7	8.2	8.4	9.0	7.8	8.3
3	8.0	7.5	7.7	8.9	7.7	8.2	9.4	8.2	8.6	9.1	7.8	8.3
4	7.8	7.4	7.5	9.2	7.7	8.3	9.3	8.2	8.6	8.4	7.7	8.0
5	7.7	7.2	7.4	8.4	7.7	8.0	9.3	8.2	8.7	8.7	7.8	8.1
6	8.0	7.1	7.4	7.9	7.7	7.7	9.5	8.3	8.8	8.4	7.8	8.1
7	7.7	7.3	7.4	8.3	7.7	7.9	9.6	8.3	8.9	8.7	8.0	8.3
8	7.8	7.4	7.5	8.5	7.7	8.0	9.6	8.3	8.9	8.2	8.0	8.1
9	8.1	7.3	7.6	8.5	7.8	8.1	9.8	8.3	9.0	8.7	8.1	8.3
10	8.3	7.3	7.7	8.8	7.8	8.2	10.0	8.2	9.0	9.3	8.1	8.5
11	8.2	7.5	7.7	8.9	7.9	8.3	10.1	8.2	9.1	8.5	8.3	8.4
12	8.4	7.5	7.9	9.0	7.9	8.3	10.3	8.1	9.1	9.0	8.4	8.7
13	8.5	7.6	7.9	9.4	7.8	8.4	9.5	8.0	8.6	9.0	8.3	8.6
14	8.6	7.6	7.9	9.4	7.8	8.5	9.5	8.0	8.6	9.3	8.3	8.7
15	8.6	7.6	8.0	8.5	7.8	8.0	9.1	8.1	8.4	8.3	8.0	8.2
16	8.6	7.6	8.0	8.9	7.9	8.3	9.7	8.1	8.8	8.6	8.1	8.3
17	8.6	7.7	8.1	9.1	7.9	8.3	9.8	8.1	8.9	8.8	8.0	8.3
18	8.8	7.8	8.2	9.2	8.0	8.5	9.8	8.1	8.9	8.8	8.0	8.3
19	8.3	7.7	7.9	8.0	7.8	7.9	9.4	8.0	8.6	8.8	7.8	8.2
20	8.3	7.7	7.9	8.0	7.8	7.9	8.2	7.9	8.0	8.7	7.8	8.2
21	8.7	7.9	8.2	8.1	7.8	7.9	8.7	7.9	8.2	8.7	7.7	8.1
22	8.5	7.6	7.9	8.2	7.8	8.0	8.7	7.9	8.1	8.9	7.8	8.3
23	8.6	7.6	7.9	8.1	7.8	7.9	8.0	7.8	7.9	8.9	7.7	8.2
24	8.8	7.6	8.0	8.4	7.9	8.1	8.3	7.8	8.0	8.7	7.6	8.1
25	8.8	7.6	8.0	8.3	7.9	8.0	9.2	8.0	8.3	8.1	7.3	7.6
26	8.4	7.5	7.8	8.3	7.9	8.1	8.9	7.7	8.3	7.8	7.4	7.6
27	8.9	7.5	7.9	8.4	8.0	8.1	9.3	7.7	8.4	7.7	7.4	7.5
28	8.4	7.6	7.9	8.3	8.0	8.1	8.5	8.0	8.2	7.7	7.3	7.5
29	8.6	7.7	8.0	8.3	8.0	8.1	8.4	8.1	8.3	7.6	7.3	7.5
30	---	---	---	8.4	8.0	8.2	8.6	7.9	8.3	7.8	7.6	7.7
31	---	---	---	8.5	8.1	8.2	---	---	---	8.0	7.7	7.8
MONTH	8.9	7.1	7.8	9.4	7.7	8.1	10.3	7.7	8.5	9.3	7.3	8.1

SALT RIVER BASIN

03298150 CHENOWETH RUN AT GELHAUS LANE NEAR FERN CREEK, KY--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.1	7.7	7.9	9.3	7.6	8.4	8.7	7.8	8.2	9.1	7.4	8.1
2	7.9	7.7	7.8	9.2	7.4	8.0	8.7	7.8	8.2	9.3	7.4	8.2
3	8.2	7.8	7.9	8.4	7.3	7.8	8.9	7.7	8.2	8.8	7.3	7.9
4	8.2	7.8	8.0	8.8	7.6	8.2	9.0	7.7	8.3	8.9	7.3	7.9
5	8.3	7.8	8.0	8.9	7.6	8.2	9.0	7.7	8.3	8.9	7.2	7.9
6	8.4	7.8	8.0	9.1	7.6	8.3	9.0	7.7	8.3	8.8	7.2	7.8
7	8.0	7.7	7.8	9.1	7.5	8.1	8.9	7.7	8.2	8.2	7.1	7.4
8	7.9	7.7	7.8	8.5	7.6	8.0	8.9	7.6	8.0	8.8	7.1	7.8
9	8.0	7.7	7.9	8.9	7.8	8.3	8.2	7.6	7.9	8.3	7.2	7.6
10	8.1	7.7	7.9	9.0	7.7	8.3	8.6	7.8	8.1	8.5	7.3	7.8
11	7.9	7.7	7.8	9.1	7.7	8.4	8.7	7.8	8.2	8.7	7.4	7.9
12	8.0	7.8	7.9	9.2	7.7	8.4	8.7	7.9	8.2	8.8	7.4	8.0
13	8.2	7.8	8.0	9.1	7.7	8.3	8.6	7.8	8.2	8.8	7.5	8.0
14	8.4	7.8	8.1	8.9	7.4	8.0	8.8	7.9	8.3	9.0	7.5	8.0
15	8.4	7.7	8.0	8.3	7.7	7.9	8.8	7.8	8.2	9.2	7.5	8.2
16	8.7	7.8	8.2	8.7	7.9	8.2	8.8	7.8	8.2	8.2	7.6	7.8
17	8.9	7.9	8.3	8.8	7.8	8.2	8.9	7.9	8.3	8.7	7.8	8.1
18	8.9	7.8	8.3	9.0	7.8	8.3	9.2	7.9	8.5	8.9	7.8	8.2
19	9.0	7.7	8.3	8.9	7.8	8.2	9.1	8.0	8.5	9.0	7.8	8.3
20	9.0	7.8	8.4	9.0	7.8	8.3	9.3	8.0	8.5	9.2	7.9	8.4
21	9.2	7.8	8.4	9.1	7.7	8.2	8.7	7.8	8.1	8.3	7.7	7.9
22	9.3	7.8	8.5	8.3	7.7	8.0	9.0	7.8	8.3	8.6	7.7	8.1
23	9.3	7.9	8.6	8.8	7.8	8.2	9.0	7.7	8.2	8.9	7.8	8.2
24	9.2	7.8	8.4	8.8	7.8	8.3	8.7	7.8	8.1	8.9	7.7	8.2
25	9.2	7.9	8.5	8.9	7.8	8.3	8.8	7.6	8.1	9.1	7.8	8.3
26	9.3	7.7	8.4	9.0	7.8	8.3	9.0	7.6	8.2	9.3	7.8	8.4
27	9.3	7.7	8.4	9.0	7.7	8.3	9.0	7.6	8.2	8.1	7.8	7.9
28	9.4	7.6	8.4	9.0	7.7	8.2	9.1	7.6	8.3	8.2	7.8	7.9
29	9.3	7.6	8.4	8.8	7.7	8.0	9.2	7.5	8.3	8.5	8.0	8.2
30	9.4	7.6	8.5	8.2	7.8	8.0	9.1	7.4	8.2	8.6	8.0	8.2
31	---	---	---	8.6	7.8	8.1	9.0	7.4	8.1	---	---	---
MONTH	9.4	7.6	8.2	9.3	7.3	8.2	9.3	7.4	8.2	9.3	7.1	8.0
YEAR	10.3	7.1	8.2									

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.6	7.8	8.1	8.7	7.8	8.2	7.8	7.5	7.6	9.0	8.1	8.4
2	8.7	7.8	8.1	8.7	7.8	8.2	8.1	7.7	7.8	8.8	8.1	8.3
3	8.8	7.8	8.1	8.7	7.8	8.2	8.2	7.7	7.9	9.1	8.0	8.4
4	8.8	7.7	8.1	8.8	7.6	8.2	8.3	7.6	7.9	8.7	7.9	8.1
5	8.9	7.7	8.2	9.0	7.5	8.1	8.0	7.5	7.7	8.5	7.9	8.1
6	9.0	7.7	8.2	8.2	7.5	7.7	8.3	7.5	7.8	8.6	7.9	8.1
7	9.0	7.7	8.2	8.5	7.5	7.8	8.5	7.7	7.9	8.5	7.9	8.1
8	9.1	7.6	8.2	8.4	7.5	7.9	8.4	7.7	8.0	8.4	7.8	8.0
9	8.8	7.6	8.0	8.1	7.5	7.8	8.7	7.8	8.1	8.1	7.8	7.9
10	8.8	7.5	8.0	8.3	7.8	8.0	8.8	7.8	8.1	8.4	7.8	8.0
11	9.0	7.6	8.2	8.4	7.8	8.0	8.7	7.8	8.1	8.3	7.7	7.9
12	9.1	7.6	8.2	8.5	7.7	8.0	7.9	7.6	7.7	8.3	7.7	7.9
13	9.1	7.6	8.2	8.6	7.8	8.0	8.5	7.9	8.1	8.3	7.8	8.0
14	9.1	7.5	8.2	8.6	7.8	8.1	8.7	7.9	8.2	8.3	7.7	7.9
15	9.1	7.5	8.2	8.7	7.8	8.1	8.8	7.9	8.2	8.3	7.6	7.9
16	9.1	7.5	8.2	8.9	7.8	8.2	8.3	7.8	8.0	8.3	7.6	7.9
17	9.1	7.5	8.1	8.7	7.9	8.2	8.0	7.7	7.8	8.3	7.7	7.9
18	7.9	7.4	7.6	8.9	8.0	8.3	8.4	8.0	8.1	8.3	7.7	7.9
19	8.3	7.5	7.8	9.0	7.9	8.3	8.5	8.0	8.2	8.3	7.8	7.9
20	8.4	7.7	8.0	9.1	7.9	8.4	8.6	8.0	8.2	8.5	7.8	8.0
21	8.4	7.7	8.0	8.6	8.0	8.2	8.7	8.1	8.3	8.6	7.7	8.0
22	8.7	7.6	8.0	9.0	7.8	8.2	8.6	8.1	8.2	7.8	7.7	7.7
23	8.4	7.6	7.9	9.2	7.8	8.3	8.9	8.0	8.3	8.3	7.7	7.9
24	8.8	7.6	8.1	9.1	7.8	8.2	8.2	7.8	8.0	7.8	7.7	7.8
25	8.7	7.6	8.1	7.9	7.6	7.7	8.5	8.0	8.2	8.2	7.7	7.9
26	8.4	7.6	7.8	8.2	7.7	7.9	8.6	8.1	8.2	8.2	7.8	8.0
27	8.7	7.7	8.0	8.4	7.8	8.0	8.5	8.1	8.2	7.9	7.6	7.7
28	8.5	7.7	8.0	8.5	7.8	8.1	8.9	8.1	8.3	8.0	7.6	7.8
29	8.6	7.7	8.0	8.6	7.8	8.1	9.0	8.1	8.4	8.1	7.8	7.9
30	8.8	7.7	8.1	7.8	7.6	7.7	8.9	8.1	8.4	8.1	7.7	7.9
31	8.8	7.8	8.2	---	---	---	9.0	8.1	8.4	8.1	7.7	7.9
MONTH	9.1	7.4	8.1	9.2	7.5	8.1	9.0	7.5	8.1	9.1	7.6	8.0

SALT RIVER BASIN

03298150 CHENOWETH RUN AT GELHAUS LANE NEAR FERN CREEK, KY--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
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	---	---	---	---	---	---	---	---	---	18.0	14.2	15.5
MONTH	---	---	---	---	---	---	---	---	---	18.0	14.2	15.5
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	17.9	14.6	15.7	18.0	11.4	14.0	12.6	9.7	10.7	13.8	8.9	11.1
2	18.0	14.3	15.7	18.0	11.8	13.9	14.0	9.3	11.3	14.6	8.4	11.2
3	18.2	14.6	15.9	20.3	12.1	15.6	17.3	9.6	12.9	15.9	7.5	11.0
4	18.7	14.4	15.7	20.6	10.9	15.3	15.8	9.3	11.5	11.2	8.0	10.0
5	18.3	13.8	15.4	14.5	9.9	11.5	16.2	10.6	12.9	12.6	8.1	9.8
6	19.2	13.9	15.4	12.3	10.5	11.3	17.5	10.7	13.5	11.5	9.0	10.0
7	14.9	13.2	14.0	16.3	11.7	13.7	17.7	10.1	13.4	12.8	8.8	10.3
8	14.8	12.3	13.2	18.2	13.2	15.5	17.3	10.1	13.2	9.4	8.8	8.9
9	15.5	12.0	13.6	18.9	13.4	15.7	18.7	10.4	14.0	12.3	8.3	10.1
10	16.0	10.2	12.9	19.4	12.7	15.6	19.3	9.1	13.7	14.3	8.4	10.6
11	15.9	10.8	13.0	19.5	11.9	15.2	19.3	7.7	12.8	10.4	9.1	9.7
12	16.9	12.8	14.3	19.0	10.4	14.3	19.1	6.5	11.6	12.6	9.3	10.8
13	17.5	11.8	14.2	19.5	9.3	13.3	14.7	6.5	9.6	13.3	9.4	10.9
14	16.8	11.2	13.3	18.7	8.2	12.1	16.6	8.2	11.5	14.3	8.5	11.4
15	17.0	11.2	13.6	12.3	8.4	10.0	15.4	8.2	10.4	9.9	8.6	9.1
16	18.4	12.3	14.7	15.7	10.1	12.0	18.3	8.8	12.5	11.3	7.7	9.3
17	18.9	12.3	14.8	16.4	9.6	11.9	19.5	7.6	12.7	12.4	7.2	9.3
18	19.2	12.2	14.7	17.8	9.7	12.7	18.6	5.9	11.4	12.5	6.6	9.2
19	15.8	11.6	12.8	12.1	9.8	11.3	15.0	5.8	9.4	12.4	6.1	8.7
20	12.5	10.9	11.7	13.1	11.5	12.2	11.1	5.7	8.7	12.4	6.0	8.6
21	13.8	9.9	11.7	14.5	11.3	12.4	15.0	7.6	10.8	13.0	6.2	8.6
22	14.3	9.4	10.8	14.6	10.8	12.4	15.1	7.6	9.7	13.6	6.4	9.5
23	14.8	8.4	10.8	14.5	10.1	12.1	10.0	8.7	9.3	14.0	5.7	9.3
24	16.5	8.9	11.9	14.4	9.3	11.4	13.2	8.8	10.8	12.9	5.3	8.5
25	17.5	9.4	12.4	13.4	9.5	10.9	---	---	---	11.4	6.0	8.0
26	15.4	9.0	10.6	14.6	10.5	12.2	---	---	---	8.6	6.2	8.0
27	16.4	9.0	10.8	15.1	10.2	12.4	17.2	10.0	13.2	8.9	8.2	8.4
28	14.3	9.4	11.7	13.0	10.0	11.1	14.1	10.0	11.8	9.1	8.0	8.6
29	16.7	11.7	13.7	12.6	9.6	10.8	12.7	11.6	12.2	9.0	8.3	8.8
30	---	---	---	13.4	9.3	10.9	14.8	10.3	12.4	9.9	8.9	9.4
31	---	---	---	13.6	9.5	10.7	---	---	---	10.3	8.9	9.7
MONTH	19.2	8.4	13.4	20.6	8.2	12.7	19.5	5.7	11.7	15.9	5.3	9.6

SALT RIVER BASIN

03298150 CHENOWETH RUN AT GELHAUS LANE NEAR FERN CREEK, KY--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.2	8.8	9.6	14.4	4.2	8.0	11.2	7.0	8.6	13.9	7.0	9.4
2	9.7	8.9	9.2	13.9	4.4	7.5	12.2	7.0	8.6	14.4	7.2	9.6
3	10.3	8.6	9.3	10.4	6.4	8.0	12.4	6.1	8.9	12.7	7.4	9.0
4	10.8	8.7	9.7	12.4	6.2	9.1	13.9	6.0	9.2	12.9	7.7	9.3
5	11.0	8.4	9.7	13.6	5.9	9.2	13.3	5.8	9.0	12.9	7.6	9.6
6	11.0	8.2	9.2	14.9	5.4	9.5	8.9	3.9	6.8	12.7	6.4	9.3
7	9.7	8.3	8.8	15.6	5.4	8.6	8.8	4.0	5.9	12.3	6.5	8.0
8	9.3	8.4	8.7	9.4	6.2	7.7	8.5	4.2	5.6	12.9	6.4	8.9
9	9.7	8.5	8.9	11.6	6.1	8.3	7.2	5.2	6.0	10.4	6.5	8.3
10	10.2	8.4	9.0	13.0	6.1	8.9	7.8	5.3	6.3	10.5	6.6	8.2
11	9.0	8.4	8.8	13.3	5.6	9.2	8.3	5.4	6.5	11.2	6.4	8.4
12	9.4	8.2	8.8	13.6	5.0	8.7	8.3	5.8	6.7	11.7	6.7	8.5
13	9.9	8.1	9.0	13.3	5.0	8.0	8.6	5.8	6.9	12.1	7.1	8.8
14	10.5	7.7	9.1	12.5	5.4	7.8	9.3	5.9	7.3	13.6	7.1	9.5
15	10.7	7.3	8.8	9.3	7.0	7.9	9.5	6.1	7.4	14.5	6.8	9.4
16	11.8	7.2	8.9	11.0	6.4	8.5	9.8	6.4	7.5	9.3	7.0	8.1
17	12.6	6.7	9.3	12.4	6.4	8.7	10.5	6.5	7.9	11.9	7.7	9.2
18	12.5	6.7	8.9	12.7	5.8	8.6	10.5	6.4	8.0	12.8	8.2	10.1
19	12.7	6.3	8.7	13.3	5.8	7.9	10.0	6.4	8.0	13.7	8.0	10.3
20	13.2	6.1	9.1	13.3	5.8	8.6	10.8	6.8	8.3	14.3	7.5	10.4
21	13.9	5.6	9.1	14.6	6.1	8.5	9.8	7.3	8.0	10.5	7.5	8.6
22	13.1	5.3	8.7	9.5	7.0	7.9	10.0	6.4	8.4	12.0	8.1	9.7
23	13.2	4.9	8.5	11.6	6.6	8.7	10.2	6.4	8.0	13.5	7.7	10.0
24	12.8	5.0	7.7	12.3	6.1	8.7	9.9	7.0	8.0	12.6	7.6	9.3
25	13.5	5.4	8.6	12.9	6.3	8.7	11.2	7.0	8.8	13.8	8.0	10.3
26	14.2	5.6	9.2	12.8	6.2	8.9	11.6	7.0	8.9	14.1	7.2	9.9
27	14.3	5.2	9.2	13.4	5.9	8.9	11.8	7.1	8.8	9.9	7.3	8.9
28	14.4	4.7	8.8	13.3	5.8	8.5	12.1	6.9	9.1	10.8	9.4	9.9
29	14.4	4.4	8.6	12.2	5.9	7.9	12.3	7.0	8.9	11.9	9.2	10.4
30	14.8	4.2	8.4	9.0	7.1	7.9	12.4	7.1	9.0	12.6	8.7	10.3
31	---	---	---	10.4	7.0	8.3	12.9	7.2	9.2	---	---	---
MONTH	14.8	4.2	8.9	15.6	4.2	8.4	13.9	3.9	7.9	14.5	6.4	9.3
YEAR	20.6	3.9	10.2									

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.5	7.7	9.8	14.7	9.6	11.2	12.8	11.4	12.2	15.0	9.7	11.3
2	12.7	7.4	9.2	16.1	9.7	12.2	14.8	12.8	13.5	12.6	9.2	10.4
3	14.3	7.7	10.2	16.4	10.8	12.7	14.2	12.2	13.2	15.7	8.5	10.8
4	14.7	8.4	10.7	---	---	---	15.0	12.4	13.4	12.9	8.3	9.5
5	15.7	7.8	10.9	---	---	---	14.2	12.5	13.2	12.0	8.5	10.2
6	16.8	7.5	10.7	---	---	---	14.2	11.4	12.7	14.0	10.4	11.9
7	15.8	7.2	10.5	---	---	---	14.9	11.3	12.3	14.9	11.6	12.7
8	16.0	7.2	10.3	---	---	---	15.1	11.6	12.8	15.3	11.8	13.1
9	14.7	7.3	9.7	---	---	---	15.5	11.2	12.6	13.1	10.9	11.8
10	14.3	7.9	9.9	---	---	---	15.3	9.8	11.9	14.6	9.9	12.2
11	16.1	8.2	11.1	---	---	---	13.5	9.2	10.4	14.9	9.9	12.2
12	17.4	7.8	11.2	---	---	---	10.5	9.2	10.0	15.2	10.1	12.3
13	18.1	7.3	10.9	---	---	---	13.4	10.5	11.3	15.3	12.0	13.0
14	16.7	6.6	10.3	---	---	---	14.5	10.7	12.0	15.7	11.9	13.0
15	16.7	6.3	9.9	---	---	---	15.3	10.2	11.9	15.4	11.7	12.8
16	16.7	6.5	9.9	---	---	---	12.2	10.2	10.9	13.0	9.1	11.7
17	16.4	5.8	9.3	---	---	---	11.2	10.8	11.0	13.2	6.6	9.6
18	10.9	6.2	9.2	---	---	---	13.0	11.0	11.8	14.2	10.3	11.7
19	12.8	9.3	10.6	---	---	---	14.2	11.7	12.8	13.8	10.8	11.7
20	14.0	9.1	11.1	---	---	---	15.1	12.6	13.5	13.4	10.1	11.2
21	13.4	8.7	10.5	---	---	---	15.2	11.9	13.4	13.4	9.2	11.1
22	14.6	7.9	10.1	---	---	---	13.9	11.1	12.0	12.7	8.9	10.9
23	13.1	8.2	10.3	17.0	10.5	12.7	14.4	10.0	11.5	13.1	10.9	11.9
24	14.9	5.8	10.7	15.6	10.1	11.6	12.3	10.6	11.5	13.6	10.9	12.1
25	15.2	8.9	10.8	11.2	10.1	10.7	13.9	12.1	12.6	13.3	11.7	12.3
26	13.0	8.9	9.8	13.2	10.8	12.0	14.2	11.4	12.4	13.4	11.0	12.2
27	13.5	8.2	9.8	14.6	12.2	13.1	13.2	10.8	11.6	13.7	10.7	12.3
28	12.9	8.2	9.6	15.3	12.5	13.5	13.3	9.8	11.0	14.1	13.0	13.4
29	13.5	7.9	9.9	15.9	12.1	13.6	14.3	9.7	11.0	14.0	12.2	13.1
30	14.3	7.9	10.1	12.5	11.8	12.2	14.5	10.1	11.4	14.0	12.4	13.0
31	15.3	8.9	11.3	---	---	---	13.8	9.9	10.9	14.4	12.0	13.0
MONTH	18.1	5.8	10.3	17.0	9.6	12.3	15.5	9.2	12.0	15.7	6.6	11.9

SALT RIVER BASIN

03298200 FLOYDS FORK NEAR MOUNT WASHINGTON, KY

WATER-QUALITY RECORDS

LOCATION.--Lat 38°05'07", long 85°33'18", Jefferson County, Hydrologic Unit 05140102, at bridge on U.S. Highway 31E, 0.2 mi below Old Mans Run, and at mile 18.7.

DRAINAGE AREA.--213 mi².

PERIOD OF RECORD.--February 1988 to current year.

COOPERATION.--Field determinations were made in cooperation with Louisville and Jefferson County Metropolitan Sewer District personnel.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
DEC						
03...	1040	101	452	7.9	7.0	11.2
JAN						
08...	1225	4080	264	7.8	11.5	10.1
FEB						
17...	0845	421	417	8.2	10.5	10.7
MAR						
05...	1045	96	525	8.5	5.0	12.6
APR						
22...	1125	317	471	7.9	12.5	9.8
MAY						
14...	1035	124	523	8.0	21.0	8.0
JUN						
11...	1205	1610	231	7.8	20.0	7.3
JUL						
09...	1245	228	451	8.0	24.5	7.1
AUG						
13...	1030	60	512	8.0	23.5	7.0

SALT RIVER BASIN

03298242 CEDAR CREEK AT FAIRMOUNT ROAD NEAR MT. WASHINGTON, KY

LOCATION.--Lat 38°06'43", long 85°35'49", Jefferson County, Hydrologic Unit 05140101, on downstream side of bridge on Fairmount Road, 5.2 miles northwest of Mt. Washington and at mile 10.9

DRAINAGE AREA.--7.8 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is 585.450 ft above sea level.

REMARKS.--No estimated daily discharges. Records fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	4.2	24	4.2	5.4	8.3	13	53	9.3	4.1	12	2.4
2	1.9	5.9	7.1	4.2	5.2	7.8	7.4	28	5.5	3.3	7.5	2.5
3	1.8	5.2	9.3	4.1	5.0	7.5	6.8	19	4.5	3.0	5.5	2.5
4	1.8	4.3	11	3.9	5.6	7.4	11	15	7.1	3.9	4.3	2.6
5	1.8	2.8	5.4	8.9	7.6	7.5	8.1	12	9.9	3.0	4.6	2.6
6	1.8	2.9	3.9	228	11	6.9	6.8	10	7.2	2.7	11	2.4
7	1.7	3.4	3.3	193	13	7.1	6.2	14	5.0	258	128	2.6
8	1.7	2.9	3.0	145	18	40	8.6	14	4.5	48	62	2.6
9	1.9	2.9	3.1	39	23	143	15	12	11	14	24	2.4
10	2.1	2.8	45	22	35	21	9.9	9.9	201	7.9	13	2.5
11	2.2	2.7	11	16	176	15	7.5	8.5	47	5.9	9.8	2.3
12	2.3	2.5	6.7	15	90	12	6.2	7.3	37	5.1	7.6	2.4
13	3.6	8.5	5.2	15	37	11	5.7	6.2	72	4.7	6.0	2.4
14	5.6	9.5	4.3	12	23	11	14	5.4	22	4.6	5.3	2.4
15	3.2	3.9	3.8	11	17	9.5	15	5.0	18	40	4.3	2.4
16	3.1	3.4	3.4	9.5	24	8.8	260	4.8	11	18	4.1	2.5
17	3.3	2.7	3.1	9.2	23	8.7	57	4.6	7.8	10	3.7	2.6
18	3.1	2.5	2.8	8.6	26	15	23	4.3	5.8	7.3	3.3	2.7
19	3.0	2.4	2.6	8.1	18	11	58	4.1	11	5.8	3.1	2.8
20	3.1	2.2	2.7	7.2	16	230	23	7.9	6.4	33	3.1	3.6
21	2.7	4.4	2.8	6.6	14	53	16	11	34	11	3.0	5.1
22	2.5	9.0	16	6.8	12	25	13	15	15	7.0	2.8	6.6
23	2.5	4.4	9.2	13	11	16	10	139	45	5.2	2.7	3.0
24	4.3	3.3	54	9.9	10	12	8.6	22	14	4.8	2.6	2.4
25	4.9	2.8	31	8.6	9.2	14	7.4	13	8.6	3.7	2.6	2.5
26	4.0	2.7	13	7.7	8.8	12	6.9	9.7	6.0	3.3	3.1	2.8
27	3.7	2.6	8.8	7.2	9.6	10	11	13	4.6	3.5	2.7	2.5
28	3.3	2.5	6.4	6.6	8.9	9.2	6.7	8.5	3.8	3.3	2.6	2.4
29	2.9	2.5	5.8	6.3	---	7.8	48	6.3	3.5	3.1	2.8	2.2
30	2.6	87	5.4	5.8	---	7.1	142	5.4	9.0	52	2.7	2.4
31	2.4	---	4.3	5.6	---	6.9	---	7.9	---	60	2.5	---
TOTAL	86.8	198.8	317.4	848.0	662.3	761.5	831.8	495.8	646.5	639.2	352.3	83.1
MEAN	2.80	6.63	10.2	27.4	23.7	24.6	27.7	16.0	21.5	20.6	11.4	2.77
MAX	5.6	87	54	228	176	230	260	139	201	258	128	6.6
MIN	1.7	2.2	2.6	3.9	5.0	6.9	5.7	4.1	3.5	2.7	2.5	2.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1998, BY WATER YEAR (WY)

MEAN	6.66	9.98	16.5	25.0	18.9	41.8	20.9	32.1	17.2	7.43	8.41	3.72
MAX	12.1	20.5	35.0	37.2	23.7	122	34.3	78.7	36.8	20.6	16.6	9.24
(WY)	1994	1994	1997	1994	1998	1997	1994	1996	1997	1998	1993	1996
MIN	1.89	5.09	10.2	15.6	12.8	11.7	6.11	13.0	3.23	1.81	2.40	1.26
(WY)	1995	1995	1998	1995	1995	1995	1997	1994	1995	1994	1994	1994

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1993 - 1998

ANNUAL TOTAL	7699.2	5923.5		
ANNUAL MEAN	21.1	16.2		
HIGHEST ANNUAL MEAN				17.7
LOWEST ANNUAL MEAN				23.8
HIGHEST DAILY MEAN				1997
LOWEST DAILY MEAN				1995
ANNUAL SEVEN-DAY MINIMUM	1940	Mar 1	260	Apr 16
INSTANTANEOUS PEAK FLOW	1.7	Oct 7	1.7	Oct 7
INSTANTANEOUS PEAK STAGE	1.8	Oct 2	1.8	Oct 2
10 PERCENT EXCEEDS			1620	Jun 10
50 PERCENT EXCEEDS			6.39	Jun 10
90 PERCENT EXCEEDS	30		32	33
	5.5		6.8	6.1
	2.3		2.5	1.9

SALT RIVER BASIN

03298242 CEDAR CREEK AT FAIRMOUNT ROAD NEAR MOUNT WASHINGTON, KY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1992 to current year

COOPERATION.--Field determinations were made in cooperation with Louisville and Jefferson County Metropolitan Sewer District personnel.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
DEC						
10...	1230	30	523	7.9	8.5	10.8
JAN						
14...	1225	12	634	8.2	7.0	13.6
FEB						
18...	1055	27	578	8.1	8.5	11.7
MAR						
10...	1130	19	577	8.2	7.0	13.0
APR						
15...	1050	7.8	669	7.8	14.0	9.7
MAY						
13...	1030	6.3	693	7.7	20.5	8.3
JUN						
16...	1200	11	618	8.1	19.0	8.7
JUL						
14...	1220	5.0	695	8.0	22.0	7.3
AUG						
11...	1135	10	634	7.9	23.0	8.5

SALT RIVER BASIN

03298250 CEDAR CREEK AT THIXTON ROAD NEAR LOUISVILLE, KY

WATER-QUALITY RECORDS

LOCATION.--Lat 38°04'45", long 85°36'58", Jefferson County, Hydrologic Unit 05140102, at culvert on Thixton Road, 4.2 mi above Pennsylvania Run, and at mile 7.4.

DRAINAGE AREA.--11.1 mi².

PERIOD OF RECORD.--February 1988 to current year.

COOPERATION.--Field determinations were made in cooperation with Louisville and Jefferson County Metropolitan Sewer District personnel.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
DEC						
10...	1030	51	390	7.9	7.5	10.9
JAN						
14...	1040	14	539	8.3	4.5	13.6
FEB						
18...	0945	34	533	8.0	8.5	10.7
MAR						
10...	1015	31	535	8.3	6.0	13.5
APR						
15...	0940	11	585	7.8	13.5	9.7
MAY						
13...	0900	6.6	650	7.8	7.5	8.8
JUN						
16...	1035	17	565	8.2	19.0	9.6
JUL						
14...	1045	5.1	461	8.0	21.0	7.8
AUG						
11...	1005	11	614	8.0	22.5	8.5

SALT RIVER BASIN

03298300 PENNSYLVANIA RUN AT MOUNT WASHINGTON ROAD NEAR LOUISVILLE, KY

WATER-QUALITY RECORDS

LOCATION.--Lat 38°05'15", long 85°38'33", Jefferson County, Hydrologic Unit 05140102, at bridge on Mt. Washington Road, and at mile 1.9.

DRAINAGE AREA.--6.4 mi².

PERIOD OF RECORD.--February 1988 to current year.

COOPERATION.--Field determinations were made in cooperation with Louisville and Jefferson County Metropolitan Sewer District personnel.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
DEC						
10...	0840	28	422	7.6	6.5	11.0
JAN						
14...	0840	9.1	371	7.6	5.5	10.7
FEB						
18...	0845	19	443	7.4	7.5	11.0
MAR						
10...	0850	16	471	7.6	7.5	11.4
APR						
15...	0830	7.0	490	7.2	13.5	7.8
JUN						
16...	0845	9.9	424	7.6	20.5	5.3
JUL						
14...	0840	3.7	482	7.5	23.0	4.3
AUG						
11...	0850	7.9	390	7.5	24.5	6.2

SALT RIVER BASIN

03298500 SALT RIVER AT SHEPHERDSVILLE, KY

LOCATION.--Lat 37°59'06", long 85°43'03", Bullitt County, Hydrologic Unit 05140102, on downstream side of bridge on State Highway 61 at Shepherdsville, 500 ft downstream from Louisville and Nashville Railroad bridge, 2.6 mi downstream from Floyds Fork, and at mile 22.9.

DRAINAGE AREA.--1,197 mi².

PERIOD OF RECORD.--May 1938 to current year.

REVISED RECORDS.--WSP 893: 1937(M). WSP 1435: 1955: WSP 1705: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 406.58 ft above sea level. See WDR KY-90-1 for history of changes prior to Oct. 16, 1969.

REMARKS.--Estimated daily discharges: Nov. 30, Dec. 1, 31, Jan. 1, and Aug. 9. Records fair except for periods of estimated record, which are poor. Flow regulated since January 1983 by Taylorsville Lake (station 03295597). Diversions for water supply by Sheperdsville and other municipalities.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 26, 1937, reached a stage of 47.3 ft, from floodmark (backwater from Ohio River).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	49	1300	1300	594	759	1150	8940	4420	3970	2170	48
2	22	53	673	694	526	704	1100	4980	2000	3010	1490	44
3	23	57	626	567	475	667	939	4180	769	2510	787	42
4	23	93	1210	568	478	641	964	3700	825	1610	457	41
5	23	79	1330	595	550	626	935	3980	1140	976	364	38
6	23	66	643	4240	623	540	843	3770	805	809	295	39
7	23	63	363	8390	988	480	777	3440	765	2440	1280	39
8	74	59	247	15700	1290	582	696	3720	670	4680	589	37
9	22	56	227	10500	1220	7580	2600	3280	799	2870	555	36
10	21	58	1350	4570	1750	4780	2470	3330	1360	2550	524	36
11	20	56	1340	3700	5780	3160	2580	2400	5850	1810	387	38
12	20	54	1130	3710	15000	2860	2330	1250	3460	667	309	315
13	22	59	1020	3730	7970	2640	2030	688	7660	443	252	247
14	33	161	883	3460	4920	2410	1560	520	4010	393	211	66
15	44	214	805	3540	4670	1820	1550	457	5020	1040	161	40
16	53	167	755	3320	4620	1300	9030	407	4010	2610	134	37
17	41	172	544	2550	4150	905	16100	315	3980	1800	117	37
18	36	122	349	2080	4370	940	6760	250	3380	1270	103	37
19	36	101	287	1910	4270	1030	4890	222	2830	699	93	37
20	37	88	236	959	4080	6810	5440	252	2850	884	83	39
21	35	90	224	747	3960	11200	4420	2270	4440	2730	75	673
22	33	152	385	708	2900	4350	3780	902	5270	2420	71	484
23	33	183	690	881	1950	3980	3260	6100	9490	2750	67	192
24	40	138	1150	1030	1200	3640	2760	6260	7320	2610	62	100
25	58	144	4070	1000	1010	3050	2700	2950	3580	2460	59	65
26	75	121	590	914	902	3260	3160	1890	3200	2350	58	52
27	64	128	1400	1130	865	1670	3080	2210	2880	2210	53	47
28	57	118	1000	1110	831	1380	2090	2420	2690	857	57	44
29	54	109	1070	782	---	1020	1540	2430	2500	425	63	41
30	52	200	1220	672	---	903	8120	2230	4090	2470	59	40
31	50	---	1500	628	---	845	---	2810	---	2940	54	---
TOTAL	1170	3210	28617	85685	81942	76532	99654	82553	102063	61263	11039	3031
MEAN	37.7	107	923	2764	2927	2469	3322	2663	3402	1976	356	101
MAX	75	214	4070	15700	15000	11200	16100	8940	9490	4680	2170	673
MIN	20	49	224	567	475	480	696	222	670	393	53	36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1998, BY WATER YEAR (WY)

MEAN	266	1017	2085	2600	3908	3484	2203	2045	1625	575	289	196
MAX	1166	2206	6329	5728	12370	11410	3506	5768	5192	1976	1018	583
(WY)	1991	1994	1991	1991	1989	1997	1989	1995	1997	1998	1992	1996
MIN	25.9	55.5	258	335	996	1113	377	216	38.9	63.6	40.0	46.6
(WY)	1989	1988	1990	1986	1992	1990	1986	1985	1988	1994	1988	1993

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1984 - 1998

ANNUAL TOTAL	860398											
ANNUAL MEAN	2357											
HIGHEST ANNUAL MEAN										1679		
LOWEST ANNUAL MEAN										2809		1997
HIGHEST DAILY MEAN	65600									995		1986
LOWEST DAILY MEAN	20									65600		Mar 2 1997
ANNUAL SEVEN-DAY MINIMUM	23									7.7		Jul 1 1988
INSTANTANEOUS PEAK FLOW										9.3		Jun 26 1988
INSTANTANEOUS PEAK STAGE												Mar 10 1964
10 PERCENT EXCEEDS	5190						18.44			41.50		Mar 11 1964
50 PERCENT EXCEEDS	590						4300			4210		
90 PERCENT EXCEEDS	36						845			569		
							41			46		

SALT RIVER BASIN
03298550 LONG LICK NEAR CLERMONT, KY

LOCATION.--Lat 37°55'40", long 85°39'13", Bullitt County, Hydrologic Unit 05140102, downstream side of bridge at Jim Beam Distillery, at Clermont, and 10.8 mi upstream from mouth.

DRAINAGE AREA.-- 7.91 mi².

PERIOD OF RECORD.--April 1, 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is 450 ft above sea level.

REMARKS.--Estimated daily discharges: Nov. 30, Dec. 1, and May 21, 23-27. Records poor. Peak for year obtained from floodmarks.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.18	.19	3.5	2.2	1.4	2.8	60	95	24	.13	.05	.07
2	.23	.17	2.1	2.8	1.4	1.6	9.1	39	.80	.08	.06	.07
3	.25	.09	2.3	3.8	1.2	1.4	5.7	15	.42	.05	.05	.08
4	.10	.12	2.4	4.4	1.6	1.3	6.9	7.4	5.7	.05	.03	.10
5	.05	.12	2.5	5.5	2.0	1.1	5.3	5.3	14	.06	.03	.08
6	.08	.19	2.6	66	2.8	1.5	2.8	3.9	2.8	.04	.04	.05
7	.10	.78	2.5	103	4.3	2.2	3.5	22	.73	.19	.07	.05
8	.18	.48	2.8	93	7.4	56	17	12	.19	.30	.08	.12
9	.13	.14	2.9	13	22	145	144	6.6	7.8	.05	.06	.14
10	.11	.12	31	6.9	54	37	33	3.8	26	.04	.09	.15
11	.03	.12	3.0	4.7	184	11	13	1.5	3.7	.02	.09	.16
12	.02	.22	2.5	5.1	119	6.7	7.2	1.4	1.5	.02	.08	.10
13	.06	.89	1.9	7.3	60	5.0	3.4	1.4	163	.03	.06	.07
14	.06	.61	1.5	4.2	22	4.6	51	1.2	60	.05	.07	.08
15	.02	.80	1.6	3.1	9.5	3.7	22	1.0	120	2.1	.11	.10
16	.02	.81	1.9	3.0	15	1.9	301	1.1	4.0	.38	.05	.18
17	.02	.62	1.9	2.9	25	2.0	111	1.0	.69	.09	.05	.30
18	.02	.61	1.8	2.2	22	11	39	.69	.29	.08	.04	.27
19	.02	.70	1.4	1.3	11	10	78	.72	.24	.06	.04	.13
20	.02	.67	1.3	1.3	5.4	236	33	2.3	.27	.07	.03	.07
21	.04	1.0	1.4	1.1	6.6	104	14	340	4.8	.07	.03	.38
22	.10	.94	4.8	1.0	4.5	50	9.8	113	.29	.04	.03	.10
23	.06	.98	2.6	1.8	2.9	15	6.9	72	5.9	.05	.02	.10
24	.16	1.1	49	2.8	2.7	9.9	4.4	5.7	.40	.08	.03	.10
25	.14	1.1	56	2.6	2.0	7.7	3.8	2.8	.14	.04	.03	.14
26	.23	.91	6.0	1.5	1.6	11	3.1	2.3	.10	.05	.07	.12
27	.13	1.5	2.4	1.3	2.4	5.7	3.1	1.7	.10	.04	.07	.11
28	.11	1.5	3.9	1.1	2.6	4.8	2.8	.73	.07	.05	.06	.11
29	.13	1.8	5.3	.97	---	3.7	25	.47	.06	.04	.09	.11
30	.13	2.3	3.5	.93	---	1.4	246	.47	.85	.07	.07	.11
31	.12	---	2.8	1.2	---	3.3	---	40	---	.06	.08	---
TOTAL	3.05	21.58	211.1	352.00	596.3	758.3	1264.8	801.48	448.84	4.48	1.76	3.75
MEAN	.098	.72	6.81	11.4	21.3	24.5	42.2	25.9	15.0	.14	.057	.13
MAX	.25	2.3	56	103	184	236	301	340	163	2.1	.11	.38
MIN	.02	.09	1.3	.93	1.2	1.1	2.8	.47	.06	.02	.02	.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1998, BY WATER YEAR (WY)

	1992	1993	1994	1995	1996	1997	1998
MEAN	2.06	3.43	7.53	19.1	17.4	37.8	21.0
MAX	4.92	9.13	16.3	29.2	25.8	101	42.2
(WY)	1996	1994	1997	1996	1994	1997	1995
MIN	.098	.68	1.78	8.87	10.2	11.5	8.16
(WY)	1998	1995	1993	1993	1996	1995	1997

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1992 - 1998
ANNUAL TOTAL	6525.11	4467.44	
ANNUAL MEAN	17.9	12.2	12.8
HIGHEST ANNUAL MEAN			19.1
LOWEST ANNUAL MEAN			8.63
HIGHEST DAILY MEAN	680	340	680
LOWEST DAILY MEAN	.02	.02	.02
ANNUAL SEVEN-DAY MINIMUM	.02	.02	.02
INSTANTANEOUS PEAK FLOW		1890	2790
INSTANTANEOUS PEAK STAGE		9.24	11.38
10 PERCENT EXCEEDS	44	25	28
50 PERCENT EXCEEDS	2.3	1.3	1.8
90 PERCENT EXCEEDS	.12	.05	.15

SALT RIVER BASIN

03300400 BEECH FORK AT MAUD, KY

LOCATION.--Lat 37°49'58", long 85°17'46", Nelson County, Hydrologic Unit 05140103, on right bank on downstream side of bridge on State Highway 55, 100 ft upstream from Nealy Run, 0.8 mi north of Maud, 1.7 mi downstream from Chaplin River, and at mile 48.1.

DRAINAGE AREA.--436 mi².

PERIOD OF RECORD.--August 1972 to current year.

GAGE.--Water-stage recorder. Datum of gage is 530.00 ft above sea level.

REMARKS.--Estimated daily discharges: Nov. 30 to Dec 1, Dec. 30 to Jan. 1, Feb. 6, and Aug. 8, 9. Records good except for periods of estimated record, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	.88	300	170	184	275	274	7760	1160	1420	312	4.2
2	1.1	1.2	800	154	168	248	296	2580	659	553	153	3.6
3	.95	1.5	392	148	156	230	297	1030	401	325	100	2.7
4	.90	1.5	229	144	171	219	259	711	1020	303	72	2.3
5	.82	1.5	164	164	209	209	244	552	2920	520	56	2.1
6	.77	1.8	147	1760	230	198	241	448	2200	311	45	2.1
7	.77	2.2	127	4330	270	192	230	749	887	338	39	1.9
8	.76	2.6	108	10400	350	229	430	2620	513	2770	35	1.8
9	.64	2.8	92	3450	621	3620	910	1060	703	1500	32	1.8
10	.62	2.8	661	1120	1430	2040	864	695	3360	563	28	1.8
11	.61	2.8	1950	708	5040	793	653	553	4730	299	22	1.8
12	.55	2.8	701	538	10500	555	474	444	2440	203	24	1.8
13	.54	3.1	349	583	4460	453	362	364	6490	152	27	1.8
14	1.0	7.4	242	614	1390	400	388	304	3390	125	21	1.7
15	1.1	8.8	184	517	882	352	430	262	4610	117	16	1.6
16	.94	12	149	440	717	305	5980	230	2150	131	51	1.5
17	.81	25	121	380	817	277	8530	201	768	753	156	1.5
18	.77	32	103	334	1430	266	2430	175	483	677	90	1.5
19	.65	24	89	310	1190	260	1650	154	355	311	64	1.3
20	.62	18	78	293	894	2950	2100	145	290	2890	43	1.3
21	.55	15	70	268	708	5490	1080	242	521	6680	31	5.1
22	.53	16	81	248	593	1790	755	236	1300	844	24	115
23	.51	24	154	330	518	973	686	1860	3950	405	21	229
24	.54	95	342	652	460	684	609	5980	2270	280	19	97
25	.89	59	1560	553	397	540	478	2250	675	205	16	53
26	.95	46	1120	414	343	463	405	581	402	158	12	39
27	.96	41	518	339	317	410	664	413	284	126	9.0	32
28	.93	31	346	294	300	355	861	321	216	103	6.5	23
29	.87	24	275	261	---	314	499	264	282	86	5.9	15
30	.81	100	220	231	---	283	4000	219	3090	148	5.3	11
31	.77	---	195	205	---	257	---	211	---	398	4.8	---
TOTAL	24.33	605.68	11867	30352	34745	25630	37079	33614	52519	23694	1540.5	659.2
MEAN	.78	20.2	383	979	1241	827	1236	1084	1751	764	49.7	22.0
MAX	1.1	100	1950	10400	10500	5490	8530	7760	6490	6680	312	229
MIN	.51	.88	70	144	156	192	230	145	216	86	4.8	1.3
CFSM	.00	.05	.88	2.25	2.85	1.90	2.83	2.49	4.02	1.75	.11	.05
IN.	.00	.05	1.01	2.59	2.96	2.19	3.16	2.87	4.48	2.02	.13	.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1998, BY WATER YEAR (WY)

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
MEAN	170	522	1056	976	1197	1256	771	698	532	219	172	245				
MAX	1042	1699	3691	2461	5071	4663	2022	2359	2499	764	939	2284				
(WY)	1976	1989	1979	1974	1989	1997	1979	1995	1997	1998	1978	1979				
MIN	.011	.24	111	16.2	203	134	103	43.6	3.32	2.45	.87	.43				
(WY)	1988	1988	1981	1981	1980	1983	1986	1976	1988	1975	1986	1987				

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1973 - 1998

ANNUAL TOTAL	316111.48	252329.71	
ANNUAL MEAN	866	691	649
HIGHEST ANNUAL MEAN			1243
LOWEST ANNUAL MEAN			308
HIGHEST DAILY MEAN	39800	Mar 2	39800
LOWEST DAILY MEAN	.51	Oct 23	.00
ANNUAL SEVEN-DAY MINIMUM	.60	Oct 18	.00
INSTANTANEOUS PEAK FLOW			12300
INSTANTANEOUS PEAK STAGE			18.49
ANNUAL RUNOFF (CFSM)	1.99		1.59
ANNUAL RUNOFF (INCHES)	26.97		21.53
10 PERCENT EXCEEDS	1600		1410
50 PERCENT EXCEEDS	142		178
90 PERCENT EXCEEDS	.96		5.2

SALT RIVER BASIN

03301500 ROLLING FORK NEAR BOSTON, KY

LOCATION.--Lat 37°46'02", long 85°42'14", Nelson County, Hydrologic Unit 05140103, on downstream side of bridge on U.S. Hwy 62 and State Hwy 61, 0.4 mi downstream from Beech Fork, 2.3 mi southwest of Boston, and at mile 19.8.

DRAINAGE AREA.--1,299 mi².

PERIOD OF RECORD.--May 1938 to current year.

REVISED RECORDS.--WSP 1705: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 400.42 ft above sea level. See WDR KY-90-1 for history of changes prior to Sept. 30, 1971.

REMARKS.--Estimated daily discharges: Nov. 3, 6-10, Jan. 13-16, Feb. 15-17, March 30 to Apr. 9, and Aug. 9. Records fair except for periods of estimated record, which are poor.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in January 1937 reached a stage of 55.2 ft, former site, from floodmarks (backwater from Ohio River).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	45	1760	680	664	900	960	10200	5420	4110	1040	26
2	23	40	2540	600	604	820	1030	12900	6530	2600	695	24
3	18	63	1520	573	554	758	1040	8120	4140	1730	426	22
4	14	77	945	548	554	718	950	3080	2540	1110	309	19
5	11	72	778	548	662	682	910	2110	6260	754	233	17
6	8.4	75	645	1630	827	644	880	1750	8520	870	183	16
7	7.0	85	543	5740	995	647	840	1720	6500	655	154	14
8	6.1	97	468	13600	1180	1010	960	3800	2460	1390	131	12
9	6.4	102	421	16800	1710	6120	2500	4970	2370	2950	145	11
10	7.9	94	1780	13600	3390	9600	2260	2690	4680	1670	158	9.7
11	9.5	81	4100	6840	6820	5130	1970	1950	7090	896	156	9.4
12	9.1	76	3120	3720	13700	2310	1470	1540	6730	585	137	9.0
13	9.3	85	1380	2190	16300	1700	1170	1160	8830	436	116	9.2
14	15	137	930	2000	13000	1390	1190	879	11200	356	97	8.9
15	20	212	715	1850	7200	1180	1230	723	11400	345	92	8.2
16	23	229	582	1700	3400	1040	7470	614	10900	731	80	8.3
17	18	222	490	1570	2700	951	15600	523	5910	2030	62	8.3
18	17	208	421	1340	4050	913	17300	444	2450	1830	81	8.2
19	18	170	369	1190	4400	872	12200	382	1610	1180	175	8.3
20	17	142	329	1090	3560	5240	8210	330	1180	783	142	8.1
21	16	143	299	996	2730	12600	6330	1100	1910	5400	110	135
22	15	164	521	912	2250	13200	4210	1170	2920	5500	92	112
23	15	247	695	1120	1970	7100	3730	2100	5210	1250	73	67
24	16	251	856	1530	1630	3170	3690	7150	8250	762	59	201
25	23	253	3200	1820	1330	2330	3340	8220	4150	557	50	195
26	38	267	3830	1490	1140	1920	2340	2660	1700	426	44	135
27	38	221	2200	1210	1040	1470	1490	1290	1120	345	41	100
28	43	183	1330	1050	981	1180	1650	1080	850	290	37	77
29	44	164	1030	927	---	1030	1630	927	675	248	33	62
30	50	473	883	827	---	880	3470	721	2230	774	31	50
31	57	---	780	737	---	800	---	763	---	1170	29	---
TOTAL	642.7	4678	39460	90428	99341	88305	112020	87066	145735	43733	5211	1390.6
MEAN	20.7	156	1273	2917	3548	2849	3734	2809	4858	1411	168	46.4
MAX	57	473	4100	16800	16300	13200	17300	12900	11400	5500	1040	201
MIN	6.1	40	299	548	554	644	840	330	675	248	29	8.1
CFSM	.02	.12	.98	2.25	2.73	2.19	2.87	2.16	3.74	1.09	.13	.04
IN.	.02	.13	1.13	2.59	2.84	2.53	3.21	2.49	4.17	1.25	.15	.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1998, BY WATER YEAR (WY)

	308	1056	2416	3029	3828	3907	2819	1914	1172	762	420	457
MEAN	308	1056	2416	3029	3828	3907	2819	1914	1172	762	420	457
MAX	2778	5310	11050	13420	16320	13540	11350	11810	6865	5339	2806	8265
(WY)	1976	1958	1979	1950	1989	1997	1972	1983	1997	1958	1977	1979
MIN	.57	4.32	5.84	77.0	288	344	353	150	24.4	6.78	24.2	1.89
(WY)	1954	1944	1944	1981	1954	1941	1986	1941	1988	1954	1965	1953

SUMMARY STATISTICS FOR 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1939 - 1998

ANNUAL TOTAL	966175.7	718010.3	
ANNUAL MEAN	2647	1967	1831
HIGHEST ANNUAL MEAN			4268
LOWEST ANNUAL MEAN			473
HIGHEST DAILY MEAN	68400	Mar 4	17300
LOWEST DAILY MEAN	6.1	Oct 8	6.1
ANNUAL SEVEN-DAY MINIMUM	7.8	Oct 6	7.8
INSTANTANEOUS PEAK FLOW			17700
INSTANTANEOUS PEAK STAGE			36.86
INSTANTANEOUS LOW FLOW			53.22
ANNUAL RUNOFF (CFSM)	2.04	1.51	.40
ANNUAL RUNOFF (INCHES)	27.67	20.56	1.41
10 PERCENT EXCEEDS	7600	5990	4860
50 PERCENT EXCEEDS	608	856	512
90 PERCENT EXCEEDS	37	19	27

SALT RIVER BASIN

03301575 WILSON CREEK AT HARRISON FORK ROAD NEAR DEATSVILLE, KY

WATER-QUALITY RECORDS

LOCATION.--Lat 37°52'10", long 85°35'58", Nelson County, Hydrologic Unit 05140103, Bernheim State Forest, at Harrison Fork Road ford, 300 ft upstream from Harrison Fork, 2.9 mi southwest of Deatsville, 5.4 mi southeast of Clermont, and at mile 13.6.

DRAINAGE AREA.--5.7 mi².

PERIOD OF RECORD.--October 1990 to current year.

COOPERATION.--Field determinations were made in cooperation with Louisville and Jefferson County Metropolitan Sewer District personnel.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
DEC						
15...	0930	.87	521	8.0	.5	13.0
JAN						
13...	1210	8.6	408	8.4	7.0	13.4
FEB						
25...	0855	3.5	424	8.2	4.5	13.5
MAR						
11...	0910	7.5	406	8.4	2.5	13.9
APR						
23...	0900	9.0	410	8.0	10.0	11.0
MAY						
12...	0900	4.5	466	8.2	15.0	9.0
JUN						
24...	0930	9.4	425	8.0	20.5	7.9
JUL						
22...	0930	1.2	520	7.5	23.0	5.7
AUG						
18...	0900	.30	475	7.7	21.5	6.7

SALT RIVER BASIN

03301880 SOUTHERN DITCH AT MINORS LANE NEAR OKOLONA, KY

WATER-QUALITY RECORDS

LOCATION.--Lat 38°08'04", long 85°42'34", Jefferson County, Hydrologic Unit 05140102, at bridge on Minors Lane, 0.2 mi below Mud Creek, and at mile 4.2.

DRAINAGE AREA.--12.8 mi².

PERIOD OF RECORD.--February 1988 to current year.

COOPERATION.--Field determinations were made in cooperation with Louisville and Jefferson County Metropolitan Sewer District personnel.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
DEC						
04...	1050	12	527	7.8	8.5	9.1
JAN						
12...	1115	23	604	7.9	8.0	10.9
FEB						
11...	1115	146	497	7.7	6.0	11.9
MAR						
04...	1045	5.0	633	8.2	5.0	12.7
APR						
13...	0900	5.5	534	7.7	14.5	7.7
MAY						
11...	1030	8.0	527	8.0	17.5	8.5
JUN						
15...	1055	20	475	7.8	19.5	7.1
JUL						
13...	1045	4.0	596	7.8	24.5	5.1
AUG						
10...	1035	18	537	7.6	22.0	6.2

SALT RIVER BASIN

03301900 FERN CREEK AT OLD BARDSTOWN ROAD AT LOUISVILLE, KY

LOCATION.--Lat 38°10'32", long 85°36'55", Jefferson County, Hydrologic Unit 05140102, on right upstream wingwall, at bridge on Old Bardstown Road, and at mile 3.2.

DRAINAGE AREA.--3.5 mi².

PERIOD OF RECORD.--February 1991 to October 1995. September 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage 572.812 ft.

REMARKS.--Estimated daily discharges: October 1 to November 12, August 22-25, and September 4-7, 22-30. Records good except for periods of estimated record, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.96	4.5	12	3.4	2.8	3.4	5.8	23	4.1	3.0	5.5	1.1
2	.80	2.8	6.8	3.2	2.6	3.1	3.7	17	3.0	2.3	3.9	1.1
3	.64	1.7	7.6	3.1	2.3	3.2	3.6	14	2.1	1.9	3.1	1.1
4	.52	1.3	6.3	3.0	2.8	3.1	4.6	12	3.0	2.3	2.7	1.1
5	.44	.70	4.4	5.4	3.7	2.9	3.5	9.4	3.6	2.0	2.5	1.0
6	.40	.80	3.5	32	4.6	2.8	3.1	7.9	2.6	1.7	3.0	.98
7	.60	1.0	3.1	52	5.5	2.9	2.9	9.6	2.1	31	9.8	.96
8	.90	1.3	2.7	34	6.9	26	7.0	8.0	1.9	13	11	1.1
9	.76	2.0	2.7	20	8.7	26	11	6.8	6.8	6.0	7.3	.99
10	.64	1.2	16	15	13	12	6.3	6.3	38	3.9	4.8	.91
11	.54	.90	6.7	12	36	8.6	4.7	6.0	15	2.8	3.6	.88
12	.45	.70	4.8	11	23	7.0	4.0	5.5	13	2.3	2.9	.95
13	2.5	7.5	4.0	9.9	15	6.1	3.6	4.9	19	2.1	2.4	.96
14	1.8	3.0	3.5	8.4	11	5.6	7.3	4.1	11	2.5	2.1	.89
15	1.3	1.7	3.0	7.7	9.0	4.7	8.6	3.6	8.4	18	1.9	.84
16	1.0	1.4	2.7	6.7	11	4.1	72	3.5	6.4	8.5	1.8	.81
17	.90	1.2	2.5	6.3	10	4.0	25	2.9	4.6	5.2	1.7	.83
18	.76	1.2	2.3	5.3	9.7	6.4	16	2.6	3.5	3.9	1.6	.92
19	.66	1.2	2.1	4.8	7.5	4.5	25	2.4	6.9	2.9	1.4	.95
20	.58	1.1	2.1	4.2	7.3	50	16	5.6	3.6	8.0	1.3	.84
21	.52	2.9	2.3	3.9	6.3	23	13	3.8	24	3.6	1.3	.97
22	.49	3.0	7.9	4.2	5.6	16	11	9.3	9.7	2.8	1.4	1.2
23	1.0	1.8	4.4	5.1	5.1	12	9.1	40	15	2.5	1.3	.91
24	1.6	1.3	17	4.5	4.3	9.9	7.6	12	8.1	2.1	1.3	.72
25	2.6	1.2	14	4.0	4.0	10	6.6	8.5	5.8	2.0	1.5	.92
26	1.6	1.1	8.5	3.7	4.0	7.9	6.7	6.2	4.3	1.8	1.5	.81
27	1.0	1.1	6.4	3.5	4.2	6.6	9.3	8.7	3.5	1.8	1.1	.73
28	.82	.98	5.2	3.3	3.6	6.0	6.1	5.2	2.8	1.6	1.2	.68
29	.66	1.0	4.9	3.1	---	4.8	17	3.9	3.4	1.7	1.5	.64
30	.60	25	4.3	2.9	---	4.1	36	3.3	7.5	15	1.3	.60
31	8.4	---	3.8	2.8	---	5.0	---	6.6	---	12	1.1	---
TOTAL	36.44	76.58	177.5	288.4	229.5	291.7	356.1	262.6	242.7	170.2	88.8	27.39
MEAN	1.18	2.55	5.73	9.30	8.20	9.41	11.9	8.47	8.09	5.49	2.86	.91
MAX	8.4	25	17	52	36	50	72	40	38	31	11	1.2
MIN	.40	.70	2.1	2.8	2.3	2.8	2.9	2.4	1.9	1.6	1.1	.60

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1998, BY WATER YEAR (WY)

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	
MEAN	6.41	8.39	8.58	12.4	19.1	10.3	13.3	10.2	9.50	5.19	2.71	2.19
MAX	21.0	20.7	21.5	22.2	27.7	20.2	21.6	21.4	20.2	7.58	3.17	4.20
(WY)	1995	1995	1995	1995	1989	1995	1995	1990	1995	1989	1990	1990
MIN	1.18	2.55	2.05	8.44	8.20	5.34	8.02	2.94	1.30	2.94	2.23	.91
(WY)	1998	1998	1990	1990	1998	1990	1990	1988	1988	1990	1989	1998

SUMMARY STATISTICS

FOR 1998 WATER YEAR

WATER YEARS 1988 - 1998

ANNUAL TOTAL	2247.91		
ANNUAL MEAN	6.16	7.48	
HIGHEST ANNUAL MEAN		8.39	1989
LOWEST ANNUAL MEAN		6.16	1998
HIGHEST DAILY MEAN	72	160	Apr 4 1989
LOWEST DAILY MEAN	.40	.39	Nov 14 1989
ANNUAL SEVEN-DAY MINIMUM	.61	.61	Oct 3 1997
INSTANTANEOUS PEAK FLOW	467	737	Jun 4 1993
INSTANTANEOUS PEAK STAGE	3.20	3.80	Jun 4 1993
10 PERCENT EXCEEDS	13	21	
50 PERCENT EXCEEDS	3.6	4.3	
90 PERCENT EXCEEDS	.91	1.1	

SALT RIVER BASIN

03301900 FERN CREEK AT OLD BARDSTOWN ROAD AT LOUISVILLE, KY--Continued

WATER-QUALITY RECORDS

LOCATION.-- Lat 38°10'32", long 85°36'55", Jefferson County, Hydrologic Unit 05140102, at bridge on Old Bardstown Road, and at mile 3.2.

DRAINAGE AREA.--3.5 mi².

PERIOD OF RECORD.--February 1988 to current year.

COOPERATION.--Field determinations were made in cooperation with Louisville and Jefferson County Metropolitan Sewer District personnel.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
DEC 03...	0820	4.6	694	7.6	9.5	10.0
JAN 08...	0835	36	508	7.7	12.5	9.8
FEB 17...	1045	10	634	8.1	10.0	10.0
MAR 05...	0840	3.2	675	8.3	6.0	14.2
APR 22...	0830	11	615	7.7	12.0	8.9
MAY 14...	0850	4.3	680	7.7	17.5	8.3
JUN 11...	0830	15	545	7.7	18.0	8.5
JUL 09...	1055	6.9	613	7.9	21.0	7.7
AUG 13...	0840	2.4	697	7.9	21.0	7.7

SALT RIVER BASIN

03301940 NORTHERN DITCH AT OKOLONA, KY

LOCATION.--Lat 38°09'01", long 85°41'37", Jefferson County, Hydrologic Unit 05140102, at bridge on Preston Highway, 0.1 mi above Spring Ditch, and at mile 5.1.

DRAINAGE AREA.--11.1 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1992 to Oct. 1995, Sept. 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage 447.32 ft above sea level.

REMARKS.--Estimated daily discharges: Dec. 12 to April 2. Record good except for period of estimated record, which is poor. The record is rated poor due to the orifice being covered and the wire weight gage and orifice being in different pools. The wire weight gage was relocated on April 2, 1998.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	2.9	33	8.9	9.3	18	22	67	14	9.4	9.6	3.5
2	1.6	3.1	14	8.5	9.2	17	12	46	7.7	7.3	6.2	3.6
3	1.6	2.0	15	8.1	8.3	16	11	34	6.4	6.5	5.2	3.4
4	1.6	1.7	18	7.8	9.7	14	17	26	10	7.9	4.5	3.4
5	1.6	2.0	11	12	14	12	12	21	12	6.7	4.2	3.4
6	1.6	2.0	8.9	112	16	11	11	18	8.5	5.9	5.5	3.3
7	1.6	1.9	8.1	160	20	11	9.3	25	6.3	164	33	3.3
8	1.6	1.9	7.3	135	22	35	15	20	6.2	72	58	3.1
9	1.7	2.3	7.3	57	24	100	32	15	21	20	31	3.2
10	1.8	2.0	43	36	33	29	17	13	95	13	14	3.0
11	1.7	1.7	16	28	129	19	12	12	61	9.1	9.0	3.0
12	1.7	1.6	12	27	92	16	11	11	46	7.8	6.8	3.1
13	2.3	8.2	9.8	24	55	14	9.6	8.9	73	6.9	5.9	3.3
14	6.4	12	9.1	22	41	13	23	8.0	35	7.2	5.4	3.3
15	2.8	3.0	8.0	20	33	11	17	7.4	27	51	5.1	3.2
16	1.9	2.5	7.3	19	40	11	229	6.9	19	23	4.9	3.1
17	1.7	2.3	7.0	18	37	11	92	6.2	13	12	4.9	3.1
18	1.7	2.1	6.8	16	39	15	49	5.7	10	8.4	4.4	3.2
19	1.8	2.0	6.4	16	31	10	82	5.1	22	6.5	4.1	3.4
20	1.9	1.9	6.5	14	29	143	49	12	12	30	3.8	3.3
21	2.1	3.6	8.0	13	27	72	35	7.7	72	9.8	3.9	3.9
22	1.9	6.3	24	14	26	45	30	17	38	6.0	3.8	14
23	1.5	3.4	14	18	26	32	24	118	62	4.9	3.8	4.7
24	5.4	2.7	51	14	24	25	19	29	27	4.0	3.8	3.9
25	5.5	2.2	49	13	22	25	16	21	17	3.3	3.5	3.9
26	3.2	2.2	23	13	19	20	14	14	12	2.9	6.0	3.9
27	3.2	2.0	17	12	20	18	23	20	9.6	2.8	4.0	3.6
28	2.2	2.1	11	12	18	16	13	12	8.3	2.5	3.6	3.7
29	2.4	2.2	11	11	---	13	42	9.3	7.6	2.8	4.4	3.6
30	3.9	67	10	11	---	12	121	7.9	26	29	4.1	3.5
31	5.2	---	8.8	9.5	---	13	---	12	---	43	3.7	---
TOTAL	76.6	152.8	481.3	889.8	873.5	817	1068.9	636.1	784.6	585.6	270.1	113.9
MEAN	2.47	5.09	15.5	28.7	31.2	26.4	35.6	20.5	26.2	18.9	8.71	3.80
MAX	6.4	67	51	160	129	143	229	118	95	164	58	14
MIN	1.5	1.6	6.4	7.8	8.3	10	9.3	5.1	6.2	2.5	3.5	3.0

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1998, BY WATER YEAR (WY)

	1992	1993	1994	1995	1996	1997	1998	1998	1998	1998	1998	1998
MEAN	3.60	5.09	16.4	28.7	31.2	21.0	22.6	20.5	26.2	12.9	13.0	6.35
MAX	4.73	5.09	21.3	28.7	31.2	26.4	35.6	20.5	26.2	18.9	17.3	8.90
(WY)	1995	1998	1994	1998	1998	1998	1998	1998	1998	1998	1995	1995
MIN	2.47	5.09	12.3	28.7	31.2	15.7	9.59	20.5	26.2	6.83	8.71	3.80
(WY)	1998	1998	1995	1998	1998	1995	1995	1998	1998	1995	1998	1998

SUMMARY STATISTICS

FOR 1998 WATER YEAR

WATER YEARS 1992 - 1998

ANNUAL TOTAL	6750.2		
ANNUAL MEAN	18.5	18.5	
HIGHEST ANNUAL MEAN		18.5	1998
LOWEST ANNUAL MEAN		18.5	1998
HIGHEST DAILY MEAN		608	May 18 1995
LOWEST DAILY MEAN	1.5		Oct 1 1997
ANNUAL SEVEN-DAY MINIMUM	1.6		Oct 1 1997
INSTANTANEOUS PEAK FLOW	746		Jun 10 1997
INSTANTANEOUS PEAK STAGE	8.22		Jun 10 1974
10 PERCENT EXCEEDS	41		Jul 6 1974
50 PERCENT EXCEEDS	10		Jul 6 1974
90 PERCENT EXCEEDS	2.2		Jul 6 1974

SALT RIVER BASIN

03301940 NORTHERN DITCH AT OKOLONA, KY--Continued

WATER-QUALITY RECORDS

LOCATION.--Lat 38°09'01", long 85°41'37", Jefferson County, Hydrologic Unit 05140102, at bridge on Preston Highway, 0.1 mi above Spring Ditch, and at mile 5.1.

DRAINAGE AREA.-- 11.1 mi².

PERIOD OF RECORD.--February 1988 to current year.

COOPERATION.--Field determinations were made in cooperation with Louisville and Jefferson County Metropolitan Sewer District personnel.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
DEC						
04...	0900	17	409	7.7	8.5	10.5
JAN						
12...	0905	25	570	7.9	8.1	11.3
FEB						
11...	0900	106	533	7.5	6.1	11.7
MAR						
04...	0900	7.9	638	8.2	5.0	13.7
APR						
13...	1055	9.5	584	8.4	14.5	17.2
MAY						
11...	0855	11	554	8.7	17.0	16.6
JUN						
15...	0910	27	510	8.0	19.0	8.6
JUL						
13...	0910	6.9	582	8.0	23.5	8.2
AUG						
10...	0905	14	480	7.5	22.5	8.8

SALT RIVER BASIN

03301950 SPRING DITCH AT PRIVATE DRIVE NEAR OKOLONA, KY

WATER-QUALITY RECORDS

LOCATION.--Lat 38°09'27", long 85°40'57", Jefferson County, Hydrologic Unit 05140102, at bridge on Private Drive, and at mile 1.0.

DRAINAGE AREA.--1.6 mi².

PERIOD OF RECORD.--February 1988 to current year.

COOPERATION.--Field determinations were made in cooperation with Louisville and Jefferson County Metropolitan Sewer District personnel.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
DEC						
02...	1250	1.8	756	7.6	12.5	10.9
JAN						
06...	1105	23	256	7.4	12.0	9.4
FEB						
10...	1215	7.2	567	8.1	8.5	15.6
MAR						
03...	1200	1.2	654	8.6	7.0	20.0
APR						
07...	1235	1.2	493	8.1	14.0	20.7
MAY						
05...	1210	3.3	549	8.0	20.5	14.6
JUN						
09...	1143	8.7	202	7.5	17.5	7.8
JUL						
07...	1230	63	75	7.7	24.5	6.7
AUG						
04...	1220	1.6	433	8.3	25.0	13.5

SALT RIVER BASIN

03302000 POND CREEK NEAR LOUISVILLE, KY

LOCATION.--Lat 38°07'11", long 85°47'45", Jefferson County, Hydrologic Unit 05140102, on upstream side of bridge on Manslick Rd, right bank, 0.4 mi south of Third Street Rd, 0.6 mi downstream from Bee Lick Creek, 1.5 mi downstream from confluence of Northern and Southern Ditches, 2.4 mi south of Louisville city limits, and at mile 15.4.

DRAINAGE AREA.--64.0 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1944 to current year.

REVISED RECORDS.--WSP 1705: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 430.38 ft above sea level. See WDR KY-90-1 for history of changes prior to Nov. 16, 1962.

REMARKS.--No estimated daily discharges. Records fair.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in January 1937 reached a stage of about 23 ft present datum, backwater from Ohio River, from information by local residents.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	60	188	18	17	30	118	339	279	34	65	11
2	5.6	27	51	18	17	27	44	157	46	23	37	10
3	5.6	13	69	16	16	26	43	116	25	17	26	10
4	5.7	10	101	16	18	27	114	88	72	54	23	10
5	5.4	9.4	35	36	42	27	59	63	87	28	19	10
6	5.6	10	22	646	69	21	42	49	46	16	22	10
7	4.8	11	17	818	98	21	33	92	25	1010	237	11
8	4.9	9.1	15	1120	121	160	41	85	21	915	178	11
9	6.4	8.5	15	221	149	902	155	61	101	141	337	10
10	6.6	8.8	246	128	201	150	70	44	160	81	95	10
11	6.3	7.3	68	90	834	88	45	35	278	52	52	11
12	6.2	6.6	38	84	600	61	34	28	190	33	34	12
13	14	66	25	84	206	51	28	24	742	25	25	11
14	63	104	20	56	134	45	138	21	166	37	23	11
15	11	24	16	46	96	36	112	18	109	279	20	11
16	7.7	15	14	40	170	29	1540	17	66	136	18	11
17	6.3	11	13	39	159	29	743	14	42	61	17	12
18	5.7	9.4	12	34	175	74	184	13	29	36	15	11
19	5.5	9.0	11	28	102	49	477	12	71	25	14	16
20	5.8	7.9	10	25	85	1070	179	90	32	191	13	10
21	5.9	45	10	23	69	425	117	67	340	66	13	30
22	6.5	57	137	28	56	173	170	117	473	30	12	82
23	5.6	25	55	67	55	113	100	780	642	23	12	15
24	42	14	261	38	45	82	69	144	133	19	11	10
25	37	11	207	29	39	95	53	84	72	15	12	9.3
26	21	9.2	78	25	34	70	46	57	45	13	25	8.9
27	15	9.1	51	24	48	53	123	93	29	12	14	8.5
28	9.0	8.6	35	23	37	46	54	44	22	12	12	7.9
29	8.0	8.8	29	22	---	40	175	28	19	11	30	8.9
30	8.4	370	30	21	---	33	1020	22	141	243	13	9.9
31	12	---	22	19	---	34	---	185	---	284	11	---
TOTAL	357.7	984.7	1901	3882	3692	4087	6126	2987	4503	3922	1435	409.4
MEAN	11.5	32.8	61.3	125	132	132	204	96.4	150	127	46.3	13.6
MAX	63	370	261	1120	834	1070	1540	780	742	1010	337	82
MIN	4.8	6.6	10	16	16	21	28	12	19	11	11	7.9
CFSM	.18	.51	.96	1.96	2.06	2.06	3.19	1.51	2.35	1.98	.72	.21
IN.	.21	.57	1.10	2.26	2.15	2.38	3.56	1.74	2.62	2.28	.83	.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1998, BY WATER YEAR (WY)

	MEAN	27.9	58.8	98.1	130	158	191	135	113	69.1	47.9	35.5	32.1
MAX	117	256	310	614	454	814	551	505	328	282	186	399	
(WY)	1976	1974	1979	1950	1989	1997	1970	1983	1997	1973	1992	1979	
MIN	1.76	2.60	4.48	8.52	10.1	11.4	22.0	10.6	4.54	2.96	.78	1.15	
(WY)	1947	1945	1954	1977	1954	1954	1954	1954	1954	1952	1945	1945	

SUMMARY STATISTICS FOR 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1944 - 1998

ANNUAL TOTAL	53533.6	34286.8	
ANNUAL MEAN	147	93.9	91.1
HIGHEST ANNUAL MEAN			159
LOWEST ANNUAL MEAN			11.4
HIGHEST DAILY MEAN	7200	Mar 2	1540
LOWEST DAILY MEAN	4.8	Oct 7	4.8
ANNUAL SEVEN-DAY MINIMUM	5.4	Oct 2	5.4
INSTANTANEOUS PEAK FLOW			2780
INSTANTANEOUS PEAK STAGE			16.95
INSTANTANEOUS LOW FLOW			.10
ANNUAL RUNOFF (CFSM)	2.29	1.47	1.42
ANNUAL RUNOFF (INCHES)	31.12	19.93	19.34
10 PERCENT EXCEEDS	248	189	190
50 PERCENT EXCEEDS	35	33	26
90 PERCENT EXCEEDS	6.6	9.1	5.8

SALT RIVER BASIN

03302000 POND CREEK NEAR LOUISVILLE, KY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1988 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1988 to September 1992.

pH: May 1988 to September 1992.

WATER TEMPERATURE: May 1988 to September 1992.

DISSOLVED OXYGEN: June 1988 to September 1991.

COOPERATION.--Field determinations were made in cooperation with Louisville and Jefferson County Metropolitan Sewer District personnel.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 1200 microsiemens, Nov. 4, 1988; minimum, 129 microsiemens, Mar. 6, 1989.

pH: Maximum, 10.1 units, Apr. 16, 17, 18, 1991; minimum, 4.5 units, Oct. 18, 1990.

WATER TEMPERATURE: Maximum, 34.0°C, July 15-17 and Aug. 2, 4, and 16, 1988; minimum, 0.0°C, Jan. 22, 23, 1991, and Dec. 19, 1991.

DISSOLVED OXYGEN: Maximum, 20.1 mg/L, June 30, 1991; minimum, 0.7 mg/L, July 3, 1991.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
DEC						
04...	1220	75	495	7.8	7.5	9.2
JAN						
12...	1315	94	579	7.9	7.5	10.4
FEB						
11...	1245	930	378	7.6	4.0	11.6
MAR						
04...	1215	25	692	8.2	5.0	11.1
APR						
13...	1240	28	591	7.7	15.5	7.7
MAY						
11...	1230	36	582	7.9	19.0	7.2
JUN						
15...	1240	100	448	7.7	21.0	6.2
JUL						
13...	1150	25	539	7.8	25.0	5.2
AUG						
10...	1225	87	454	7.7	24.5	5.5

SALT RIVER BASIN

03302030 POND CREEK AT PENDLETON ROAD NEAR LOUISVILLE, KY

WATER-QUALITY RECORDS

LOCATION.--Lat 38°03'15", long 85°52'18", Jefferson County, Hydrologic Unit 05140102, at bridge on Pendleton Road, 1.3 mi above Brier Creek and at mile 7.1.

DRAINAGE AREA.--80.3 mi².

PERIOD OF RECORD.--February 1988 to current year.

COOPERATION.--Field determinations were made in cooperation with Louisville and Jefferson County Metropolitan Sewer District personnel.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
DEC						
11...	0910	83	469	7.7	5.8	10.7
JAN						
07...	0910	342	407	7.7	12.3	8.4
FEB						
24...	0910	55	636	8.0	6.9	10.4
MAR						
09...	1220	1130	250	7.4	11.2	8.0
APR						
08...	0905	38	530	7.5	15.5	8.0
MAY						
06...	0900	69	511	7.8	16.2	7.6
JUN						
10...	1155	68	364	7.6	20.6	6.7
AUG						
05...	0900	23	558	7.8	25.3	6.4

OTTER CREEK BASIN

03302110 OTTER CREEK AT OTTER CREEK PARK NEAR ROCK HAVEN, KY

WATER-QUALITY RECORDS

LOCATION.--Lat 37°56'37", long 86°01'47", Mead County, Hydrologic Unit 05140104, 1.4 mi east of Rock Haven, and at mile 3.3.

DRAINAGE AREA.--99.2 mi².

PERIOD OF RECORD.--January 1993 to current year.

COOPERATION.--Field determinations were made in cooperation with Louisville and Jefferson County Metropolitan Sewer District personnel.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
DEC						
15...	1220	34	424	8.4	3.8	13.4
JAN						
13...	0945	168	410	8.1	9.8	10.9
FEB						
25...	1150	91	432	8.5	10.1	14.1
MAR						
11...	1155	155	381	8.3	6.8	12.3
APR						
23...	1120	216	409	8.0	13.7	10.8
MAY						
12...	1145	120	420	8.1	17.6	12.5
JUN						
24...	1200	424	309	7.9	18.0	8.9
JUL						
22...	1220	55	479	8.2	22.1	9.8
AUG						
18...	1200	28	505	8.1	22.4	9.6

OHIO RIVER MAIN STEM

03303280 OHIO RIVER AT CANNELTON DAM, KY

LOCATION.--Lat 37°53'58", long 86°42'20", Hancock County, Hydrologic Unit 05140201, at Cannelton Dam, 0.7 mi upstream from Indian Creek, 3.3 mi upstream from Lead Creek, and at mile 720.8.

DRAINAGE AREA.--97,000 mi², approximately.

PERIOD OF RECORD.--October 1975 to current year.

GAGE.--Gate opening and water-stage recorders. Datum of headwater gage 0.4 mi upstream is 374.0 ft Ohio River datum. Datum of tailwater gage 0.4 mi downstream is 26.0 ft lower.

REMARKS.--No estimated daily discharges. Records fair except for those below 20,000 ft³/s, which are poor. Daily discharge computed from head, gate openings, and lockages. Flow regulated by Ohio River system of locks, dams, and reservoirs upstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58400	32500	106000	83700	174000	215000	131000	307000	103000	277000	57900	20400
2	57800	34900	107000	80600	167000	180000	117000	345000	93900	311000	38700	11300
3	16500	35700	112000	74900	144000	173000	115000	341000	96900	341000	21900	31800
4	54200	37100	119000	59800	125000	175000	121000	332000	79400	345000	42900	20200
5	33600	52500	113000	63700	114000	178000	117000	328000	91700	267000	16600	19300
6	25100	65200	100000	81200	141000	178000	129000	335000	63100	198000	21600	7390
7	32500	56000	90800	129000	186000	171000	137000	340000	93900	153000	39000	9170
8	28400	43900	86000	226000	230000	160000	137000	335000	75300	134000	30400	29300
9	19300	75200	86900	304000	244000	168000	143000	340000	64200	110000	49400	31700
10	19600	103000	75600	324000	247000	207000	166000	345000	104000	104000	37800	15100
11	20600	111000	87500	367000	229000	228000	198000	334000	121000	108000	37100	19500
12	31300	107000	92600	392000	267000	250000	223000	329000	195000	93400	47500	31500
13	3650	91300	112000	408000	302000	258000	236000	314000	260000	85000	33900	9250
14	13000	94900	126000	414000	321000	257000	241000	276000	273000	71500	45500	26000
15	33300	82400	130000	407000	323000	234000	232000	260000	274000	69100	30500	16800
16	18500	86700	115000	371000	280000	186000	251000	209000	283000	85100	27200	6680
17	14800	105000	92600	283000	253000	158000	324000	179000	295000	66200	18200	28100
18	7670	103000	74800	239000	211000	134000	349000	149000	262000	54200	54800	13800
19	12700	90400	63100	206000	201000	127000	358000	118000	269000	38000	50700	9340
20	21100	69300	55400	187000	231000	149000	356000	106000	283000	79900	55800	15500
21	19200	68700	54800	173000	271000	224000	370000	114000	267000	169000	42500	27600
22	11800	58000	58900	157000	294000	263000	391000	99400	237000	163000	29600	35000
23	18000	51600	51700	145000	283000	285000	409000	112000	246000	116000	27700	14700
24	18100	72800	54000	135000	282000	296000	423000	153000	265000	85300	32300	24900
25	20400	77300	80800	139000	277000	330000	429000	167000	227000	80100	22300	17500
26	27600	89900	99000	158000	265000	340000	415000	175000	161000	60000	55000	8020
27	26500	84300	98800	171000	260000	315000	372000	170000	114000	55300	30500	34800
28	10300	79000	98800	176000	258000	271000	270000	152000	93800	42000	19600	21500
29	40500	71300	101000	164000	---	209000	248000	122000	129000	42300	39800	8370
30	34600	77000	104000	153000	---	163000	267000	109000	189000	28200	18200	25600
31	24100	---	94100	163000	---	137000	---	107000	---	57500	38900	---
TOTAL	773120	2206900	2841200	6434900	6580000	6619000	7675000	7102400	5297100	3889100	1113800	590120
MEAN	24940	73560	91650	207600	235000	213500	255800	229100	176600	125500	35930	19670
MAX	58400	111000	130000	414000	323000	340000	429000	345000	295000	345000	57900	35000
MIN	3650	32500	51700	59800	114000	127000	115000	99400	63100	28200	16600	6680

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 1998, BY WATER YEAR (WY)

MEAN	59260	96230	162000	169200	205500	242000	204700	166500	109300	69000	54180	43870
MAX	155800	222400	334000	368700	358600	443300	360400	415100	235400	125500	148200	186600
(WY)	1980	1986	1979	1991	1994	1997	1994	1996	1981	1998	1980	1979
MIN	13980	28150	54160	36500	94740	125500	72990	46020	16490	18760	13130	14920
(WY)	1992	1992	1990	1977	1992	1983	1986	1976	1988	1988	1988	1983

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1976 - 1998	
ANNUAL TOTAL	48761190		51122640			
ANNUAL MEAN	133600		140100			
HIGHEST ANNUAL MEAN					188900	1979
LOWEST ANNUAL MEAN					72150	1988
HIGHEST DAILY MEAN	735000	Mar 8	429000	Apr 25	735000	Mar 8 1997
LOWEST DAILY MEAN	3190	Sep 29	3650	Oct 13	3180	Aug 28 1995
ANNUAL SEVEN-DAY MINIMUM	14800	Oct 13	14800	Oct 13	7650	Jul 12 1988
INSTANTANEOUS PEAK FLOW					736000	Mar 8 1997
INSTANTANEOUS PEAK STAGE			39.56	Apr 25	52.42	Mar 8 1997
10 PERCENT EXCEEDS	285000		314000		287000	
50 PERCENT EXCEEDS	97100		107000		94600	
90 PERCENT EXCEEDS	20500		20400		23600	

OHIO RIVER MAIN STEM

03303280 OHIO RIVER AT CANNELTON DAM, KY--Continued

(National stream-quality accounting network station)

WATER-QUALITY RECORDS

LOCATION.--Samples are collected 2.0 mi² upstream from discharge station.

PERIOD OF RECORD.--Water years 1975 to 1986 and 1996 to current water year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to September 1986 (discontinued).

WATER TEMPERATURES: October 1974 to September 1986 (discontinued).

REMARKS.-- Flow regulated by Ohio River system of locks, dams, and reservoirs.

COOPERATION.--Records of conductance and temperature collected on right bank at Cannelton Dam and furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 691 microsiemens, Nov. 14, 1978; minimum daily, 176 microsiemens, Dec. 15, 1978

WATER TEMPERATURES: Maximum daily, 30.0°C, July 23, 24, 1977, Aug. 5, 1982, several days in July and August, 1983; minimum daily, 0.0°C, on several days during most winter months.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	SAMPLE TYPE	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV											
24...	1500	ENVIRONMENTAL	77300	536	7.4	9.8	3.3	10.9	97	160	44
DEC											
22...	1300	ENVIRONMENTAL	64100	365	7.6	5.7	2.5	12.2	99	130	35
JAN											
16...	1330	ENVIRONMENTAL	371000	333	7.8	6.8	98	--	--	110	31
FEB											
12...	1330	ENVIRONMENTAL	264000	282	7.6	4.4	54	11.6	91	100	28
12...	1340	REPLICATE	--	--	--	--	53	--	--	100	28
MAR											
10...	1315	ENVIRONMENTAL	207000	299	7.6	7.6	21	11.0	92	110	30
APR											
08...	1330	ENVIRONMENTAL	142000	321	7.6	12.9	12	9.5	92	130	34
28...	1300	ENVIRONMENTAL	240000	261	7.4	13.4	48	9.0	87	100	29
MAY											
19...	1300	ENVIRONMENTAL	137000	286	7.3	19.8	15	7.6	0	120	31
19...	1303	SPIKE	--	--	--	--	--	--	--	--	--
JUN											
04...	1300	ENVIRONMENTAL	78400	335	7.3	23.4	11	7.6	91	140	39
04...	1310	REPLICATE	--	--	--	--	9.7	--	--	140	39
11...	1320	ENVIRONMENTAL	121000	346	7.4	22.0	13	7.2	84	130	36
30...	1320	ENVIRONMENTAL	202000	231	7.3	25.8	40	8.1	102	140	39
JUL											
07...	1220	ENVIRONMENTAL	146000	231	7.0	24.4	120	7.6	93	92	27
AUG											
11...	1300	ENVIRONMENTAL	36000	335	7.6	28.1	1.3	7.6	99	140	40
26...	1230	ENVIRONMENTAL	59000	426	7.9	29.2	6.1	7.5	101	160	42

OHIO RIVER MAIN STEM

03303280 OHIO RIVER AT CANNELTON DAM, KY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, TOTAL MG/L AS N) (00600)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)
NOV												
24...	13	35	3.3	84	69	38	110	.22	1.8	298	1.3	1.3
DEC												
22...	10	20	2.6	70	58	23	69	.16	4.7	217	1.4	1.4
JAN												
16...	7.5	13	2.5	54	44	19	47	.14	5.4	177	2.4	1.4
FEB												
12...	7.9	15	2.0	48	39	19	50	<.10	5.3	173	1.6	1.1
12...	7.8	15	1.9	--	--	19	50	<.10	5.3	174	1.5	1.1
MAR												
10...	8.4	12	1.8	73	60	14	52	.13	5.5	173	1.3	1.3
APR												
08...	9.8	14	1.9	82	68	17	56	.10	5.1	196	1.5	1.4
28...	7.6	8.1	1.9	73	60	11	41	<.10	5.8	161	1.5	1.1
MAY												
19...	9.0	8.8	2.0	77	63	10	45	.10	6.2	170	1.3	1.1
19...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
04...	9.9	11	2.6	97	79	13	51	.14	5.4	199	1.6	1.5
04...	10	11	2.5	--	--	12	50	.14	5.4	198	1.6	1.5
11...	10	11	2.3	94	77	12	48	.13	5.7	198	1.4	1.4
30...	9.1	9.7	2.8	92	75	12	42	.17	5.4	193	2.2	1.9
JUL												
07...	6.1	6.5	2.7	62	51	7.5	29	.14	5.2	136	1.7	1.3
AUG												
11...	9.4	10	4.1	89	73	14	34	.19	5.2	202	1.9	1.9
26...	13	18	3.3	71	66	21	60	.22	1.6	234	1.7	1.5

DATE	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)
NOV												
24...	.26	.24	.015	1.00	.072	.987	.31	.34	.036	.023	.12	.09
DEC												
22...	.22	.20	.021	1.13	.064	1.11	.26	.29	.021	.017	.09	.08
JAN												
16...	--	--	.023	1.27	<.020	1.25	.17	1.1	.412	<.010	.05	--
FEB												
12...	.63	.13	<.010	.896	.066	--	.19	.70	.187	.013	.05	.08
12...	.51	.12	<.010	.902	.064	--	.18	.57	.169	.010	.04	.08
MAR												
10...	--	--	.052	1.07	<.020	1.02	.21	.23	.022	.011	.01	--
APR												
08...	.18	.13	.021	1.24	.071	1.22	.20	.25	.047	.032	.06	.09
28...	.58	.18	.027	.935	.023	.908	.21	.61	.159	.010	.01	.03
MAY												
19...	.18	.02	.088	1.02	.086	.928	.10	.27	.060	.019	.07	.11
19...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
04...	.27	.17	.058	1.30	.049	1.24	.22	.32	.049	.053	.13	.06
04...	.23	.17	.059	1.31	.049	1.25	.22	.28	.053	.033	.13	.06
11...	.25	.21	.060	1.13	.065	1.07	.28	.31	.074	.040	.14	.08
30...	--	--	.025	1.63	<.020	1.61	.22	.59	.279	.055	.20	--
JUL												
07...	.58	.21	<.010	1.07	.041	--	.25	.62	.215	.026	.07	.05
AUG												
11...	.23	.25	.078	1.60	.072	1.52	.32	.30	.099	.098	--	.09
26...	--	--	.063	1.27	<.020	1.20	.20	.44	.040	<.010	.03	--

OHIO RIVER MAIN STEM

03303280 OHIO RIVER AT CANNELTON DAM, KY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)
NOV											
24...	4.4	.05	.038	3.3	<1.0	<1	49	<1.0	71	<1.0	<1.0
DEC											
22...	4.9	.07	.028	5.4	<1.0	<1	35	<1.0	40	<1.0	<1.0
JAN											
16...	5.5	.08	.015	7.0	<1.0	<1	37	<1.0	30	<1.0	1.4
FEB											
12...	--	--	.016	6.6	<1.0	<1	30	<1.0	27	<1.0	<1.0
12...	--	--	.013	6.5	<1.0	<1	30	<1.0	25	<1.0	1.0
MAR											
10...	4.5	.17	.002	8.9	<1.0	<1	32	<1.0	26	<1.0	<1.0
APR											
08...	5.4	.07	.019	10	<1.0	<1	37	<1.0	31	<1.0	1.2
28...	4.0	.09	.004	7.9	<1.0	<1	30	<1.0	25	<1.0	1.1
MAY											
19...	4.1	.29	.022	10	<1.0	<1	35	<1.0	28	<1.0	1.1
19...	--	--	--	--	--	--	--	--	--	--	--
JUN											
04...	5.5	.19	.044	7.0	<1.0	<1	36	<1.0	34	<1.0	<1.0
04...	5.5	.19	.042	7.4	<1.0	<1	37	<1.0	36	<1.0	<1.0
11...	4.7	.20	.047	9.3	<1.0	<1	36	<1.0	38	<1.0	1.4
30...	7.1	.08	.066	9.2	<1.0	<1	34	<1.0	35	<1.0	1.3
JUL											
07...	--	--	.023	11	<1.0	<1	33	<1.0	35	<1.0	1.0
AUG											
11...	6.7	.26	<.001	7.8	<1.0	<1	36	<1.0	51	<1.0	1.4
26...	5.3	.21	.009	9.2	<1.0	1	46	<1.0	65	<1.0	1.1
DATE	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)
NOV											
24...	<1.0	3.5	<3.0	<1.0	11	4.9	4.9	2.1	<1	<1.0	276
DEC											
22...	<1.0	2.2	19	<1.0	6	5.4	2.4	2.2	<1	<1.0	215
JAN											
16...	<1.0	1.7	17	<1.0	5	3.1	1.5	2.1	<1	<1.0	172
FEB											
12...	<1.0	<1.0	14	<1.0	5	2.1	1.0	1.3	<1	<1.0	154
12...	<1.0	<1.0	12	<1.0	5	1.9	1.0	1.3	<1	<1.0	154
MAR											
10...	<1.0	1.5	<10	<1.0	7	3.8	1.5	1.6	<1	<1.0	176
APR											
08...	<1.0	1.1	<10	<1.0	5	5.7	1.8	1.6	<1	<1.0	206
28...	<1.0	3.3	<10	<1.0	<4	1.6	1.1	1.4	<1	<1.0	158
MAY											
19...	<1.0	1.9	<10	<1.0	5	1.7	1.4	1.4	<1	<1.0	191
19...	--	--	--	--	--	--	--	--	--	--	--
JUN											
04...	<1.0	1.6	<10	<1.0	5	1.1	1.9	1.3	<1	<1.0	197
04...	<1.0	1.8	<10	<1.0	6	1.0	1.9	1.4	<1	<1.0	197
11...	<1.0	1.8	<10	<1.0	6	1.0	1.8	1.3	<1	<1.0	208
30...	<1.0	2.0	<10	<1.0	<4	<1.0	2.0	1.3	<1	<1.0	193
JUL											
07...	<1.0	2.3	<10	<1.0	<4	<1.0	1.5	1.4	<1	<1.0	140
AUG											
11...	<1.0	2.6	<10	<1.0	<4	1.8	2.7	1.7	<1	<1.0	185
26...	<1.0	2.5	<10	<1.0	6	<1.0	4.6	1.9	<1	<1.0	266

OHIO RIVER MAIN STEM

03303280 OHIO RIVER AT CANNELTON DAM, KY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETO- CHLOR, WATER, FLTRD REC (UG/L) (49260)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	ALPHA BHC DISS- SOLVED (UG/L) (34253)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)
NOV											
24...	<6	1.7	<1.0	--	.50	--	--	--	--	--	--
DEC											
22...	<10	26	<1.0	2.3	.40	<.002	<.0020	.078	<.0020	<.0020	.0052
JAN											
16...	<10	1.4	<1.0	3.3	5.0	<.002	.0087	.067	<.0300	<.0020	<.0040
FEB											
12...	<10	2.7	<1.0	2.4	1.8	<.002	<.0020	.032	<.0020	<.0020	<.0040
12...	<10	2.0	<1.0	2.1	2.3	<.002	<.0020	.030	<.0020	<.0020	<.0040
MAR											
10...	<10	4.0	<1.0	3.0	1.0	<.002	<.0020	.033	<.0020	<.0020	<.0040
APR											
08...	<10	2.2	<1.0	2.0	.70	<.002	<.0020	.042	<.0020	<.0020	E.0034
28...	<10	<1.0	<1.0	3.0	--	E.004	.0149	.125	<.0020	<.0020	E.0025
MAY											
19...	<10	2.3	<1.0	2.9	.30	.008	.0473	.374	<.0020	<.0020	<.0040
19...	--	--	--	--	--	.135	.170	.503	.102	.121	.0997
JUN											
04...	<10	1.0	<1.0	2.6	.40	.055	.186	1.49	<.0020	<.0020	.0122
04...	<10	<1.0	<1.0	2.8	.50	.056	.192	1.48	<.0020	<.0020	.0134
11...	<10	1.2	<1.0	3.8	.30	.018	.102	.799	<.0020	<.0020	<.0040
30...	<10	1.0	<1.0	3.2	1.9	.034	E.134	1.30	<.0020	<.0020	<.0040
JUL											
07...	<10	<1.0	<1.0	4.0	3.4	.014	.0506	.696	<.0020	<.0020	.0049
AUG											
11...	<10	1.8	<1.0	15	.70	.030	.0361	.634	<.0020	<.0020	<.0040
26...	<10	<1.0	<1.0	5.5	.50	<.002	.0202	.499	<.0020	<.0020	<.0040

DATE	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METRI- BENZIN WATER DISSOLV (UG/L) (82630)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	P, P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)
NOV											
24...	--	--	--	--	--	--	--	--	--	--	--
DEC											
22...	<.0040	E.0186	<.002	<.001	<.0030	<.004	<.005	<.004	.029	<.0060	<.004
JAN											
16...	.0286	E.0270	<.002	<.001	<.0030	<.004	<.005	<.004	.043	E.0019	<.004
FEB											
12...	<.0040	E.0090	<.002	<.001	<.0030	<.004	<.005	<.004	.016	<.0060	<.004
12...	<.0040	E.0095	<.002	<.001	<.0030	<.004	<.005	<.004	.017	<.0060	<.004
MAR											
10...	.0124	E.0146	<.002	<.001	<.0030	<.004	<.005	<.004	.019	<.0060	<.004
APR											
08...	.0115	E.0178	<.002	<.001	<.0030	<.004	<.005	<.004	.023	<.0060	<.004
28...	.0245	E.0136	.006	<.001	<.0030	<.004	<.005	.020	.100	<.0060	<.004
MAY											
19...	.0522	E.0219	<.002	<.001	<.0030	<.004	<.005	.020	.230	<.0060	<.004
19...	.160	E.0713	.114	.089	.103	.124	.111	.115	.350	.0675	.124
JUN											
04...	.280	E.0525	.008	<.001	<.0030	<.004	<.005	.016	.365	<.0060	<.004
04...	.306	E.0578	.008	<.001	<.0030	<.004	<.005	.017	.380	<.0060	<.004
11...	.183	E.0448	E.005	<.001	<.0030	<.004	<.005	<.004	.234	<.0060	<.004
30...	.294	E.174	.005	<.001	<.0030	<.004	<.005	.026	.787	<.0060	<.004
JUL											
07...	.0735	E.0705	.007	<.001	<.0030	<.004	<.005	<.004	.373	E.0019	<.004
AUG											
11...	.165	E.0945	.011	<.001	<.0030	<.004	<.005	.009	.365	<.0060	<.004
26...	.0756	E.105	<.002	<.001	<.0030	<.004	<.005	<.004	.243	<.0060	<.004

OHIO RIVER MAIN STEM

03303280 OHIO RIVER AT CANNELTON DAM, KY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)
NOV 24...	--	--	--	--	--	--	--	--	--	--	--
DEC 22...	<.0070	E.0071	.0130	<.0020	E.0098	<.0030	<.0020	<.0030	<.0170	<.0040	<.0040
JAN 16...	<.0070	<.0180	.0129	<.0020	E.0156	<.0030	<.0020	<.0030	<.0170	<.0040	<.0040
FEB 12...	<.0070	<.0180	.0051	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040	<.0040
12...	<.0070	<.0180	E.0034	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040	<.0040
MAR 10...	<.0070	<.0180	<.0050	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040	<.0040
APR 08...	<.0070	E.0047	.0092	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040	<.0040
28...	<.0070	E.0062	.0247	<.0020	E.0036	<.0030	<.0020	<.0030	<.0170	<.0040	<.0040
MAY 19...	<.0070	E.0095	.0495	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040	<.0040
19...	.138	.133	.169	.0986	E.117	E.130	.112	.119	.0818	.116	.0988
JUN 04...	<.0070	E.0160	.151	<.0020	E.0202	<.0030	<.0020	<.0030	<.0170	<.0040	<.0040
04...	<.0070	E.0155	.161	<.0020	E.0207	<.0030	<.0020	<.0030	<.0170	<.0040	<.0040
11...	<.0070	E.0116	.118	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040	<.0040
30...	<.0070	.0133	.203	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040	E.0029
JUL 07...	<.0070	E.0110	.112	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040	<.0040
AUG 11...	<.0070	.0277	.0747	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040	<.0040
26...	<.0070	.0687	.0597	<.0020	<.0030	<.0030	<.0020	<.0030	<.0170	<.0040	<.0040
DATE	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	FRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)
NOV 24...	--	--	--	--	--	--	--	--	--	--	--
DEC 22...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0050	<.0020	<.0030
JAN 16...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0050	<.0020	<.0030
FEB 12...	<.0030	<.0020	<.0020	<.200	<.0060	<.0040	<.0030	<.0040	<.0050	<.0020	<.0030
12...	<.0030	<.0020	<.0020	<.300	<.0060	<.0040	<.0030	<.0040	<.0050	<.0020	<.0030
MAR 10...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0050	<.0020	<.0030
APR 08...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0050	<.0020	<.0030
28...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0050	<.0020	<.0030
MAY 19...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0050	<.0020	<.0030
19...	.107	.115	.130	E.174	.115	.109	.107	.110	.0098	.0774	.111
JUN 04...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0050	<.0020	<.0030
04...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0050	<.0020	<.0030
11...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0050	<.0020	<.0030
30...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0050	<.0020	<.0030
JUL 07...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0050	<.0020	<.0030
AUG 11...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0050	<.0020	<.0030
26...	<.0030	<.0020	<.0020	<.0010	<.0060	<.0040	<.0030	<.0040	<.0050	<.0020	<.0030

OHIO RIVER MAIN STEM

03303280 OHIO RIVER AT CANNELTON DAM, KY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	SEDI- MENT, DIS- CHARGE, SUS- SUS- PENDEDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- SUS- PENDEDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 24...	--	--	--	--	--	--	--	--	10	2090	98
DEC 22...	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	3	519	98
JAN 16...	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	389	390000	88
FEB 12...	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	171	122000	92
12...	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	173	--	95
MAR 10...	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	72	40200	94
APR 08...	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	29	11100	98
28...	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	148	95900	94
MAY 19...	<.0040	<.0130	E.0077	<.0070	<.0130	<.0010	<.0020	<.0020	32	11800	100
19...	.122	.125	.140	E.111	.0724	.0975	.107	.114	--	--	--
JUN 04...	<.0040	<.0130	E.0097	<.0070	<.0130	<.0010	<.0020	<.0020	16	3390	100
04...	<.0040	<.0130	E.0093	<.0070	<.0130	<.0010	<.0020	<.0020	17	--	99
11...	<.0040	<.0130	.0135	<.0070	<.0130	<.0010	<.0020	<.0020	23	7510	99
30...	<.0040	<.0130	.0102	<.0070	<.0130	<.0010	<.0020	<.0020	128	69800	99
JUL 07...	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	230	90700	100
AUG 11...	<.0040	<.0130	E.0067	<.0070	<.0130	<.0010	<.0020	<.0020	32	3110	100
26...	<.0040	<.0130	<.0100	<.0070	<.0130	<.0010	<.0020	<.0020	24	3820	93

