03469175 LITTLE PIGEON RIVER ABOVE SEVIERVILLE, TN

LOCATION.--Lat 35°51'54", long 83°32'00", Sevier County, Hydrologic Unit 06010107, on left bank of county road, 1.2 mi downstream from East Fork, 1.2 mi upstream from West Prong, 0.8 mi east of Sevierville, and at mile 7.5.

DRAINAGE AREA.-- 184 mi^2.

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

REVISED RECORD.--WDR TN-94-1: 1989-91 (M): 1992, 1993(P).

GAGE.--Data collection platform. Datum of gage is 898.08 ft above NGVD of 1929.

REMARKS.--No estimated daily discharges. Records good. The town of Sevierville diverts an average of about 1.5 ft^3/s (1.0 MGD) for municipal supply above gage. Periodic observations of water temperature and specific conductance are published in this report as miscellaneous water quality data.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 19	0930	*8,270	*11.73	Sep 17	2030	6,060	9.76

Minimum discharge, 51 ft^3/s, Oct. 26, Nov. 4, 5.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101	60	330	301	196	180	442	217	762	489	950	162
2	96	58	273	277	194	473	365	333	408	658	666	163
3	90	56	238	290	390	690	309	692	309	891	1,180	133
4	87	55	286	334	329	470	300	473	426	613	469	123
5	82	60	357	999	299	402	274	369	331	513	363	113
6	79	750	317	1,140	2,000	1,850	249	307	255	1,430	637	101
7	77	563	277	582	1,850	1,160	246	261	217	661	398	102
8	74	263	248	437	860	663	275	229	194	443	313	954
9	72	184	226	377	568	494	296	213	184	339	259	2,020
10	69	147	568	316	460	456	256	251	207	352	223	626
11	70	126	667	268	387	384	236	333	224	643	197	374
12	69	115	409	253	387	355	230	479	175	374	249	304
13	66	145	332	248	383	319	1,220	254	788	383	301	244
14	65	127	335	236	352	293	922	212	616	377	254	203
15	73	113	319	229	349	289	589	184	419	301	222	173
16	76	108	278	210	350	490	486	166	452	247	198	162
17	69	111	494	198	309	434	406	173	337	252	182	3,880
18	66	113	431	294	290	552	343	234	280	406	170	2,160
19	63	3,700	373	554	272	729	299	237	244	250	151	850
20	61	1,610	316	384	261	553	268	180	214	213	139	493
21	58	673	270	316	260	527	249	154	191	186	156	358
22	56	430	250	276	239	424	227	152	482	162	233	286
23	57	323	243	245	222	356	207	317	526	161	189	239
24	56	318	418	226	217	319	193	206	725	138	185	207
25	56	341	419	246	212	288	181	166	902	160	247	185
26	56	269	355	303	207	262	417	151	1,800	220	232	168
27	64	240	309	287	210	243	494	265	899	819	179	155
28	96	648	280	268	197	231	328	216	568	431	153	438
29	76	620	257	240	185	218	269	239	452	287	150	389
30	66	413	447	231	---	232	236	227	370	238	159	256
31	61	---	360	213	---	272	---	1,440	---	463	312	---
TOTAL	2,207	12,739	10,682	10,778	12,435	14,608	10,812	9,330	13,957	13,100	9,716	16,021
MEAN	71.2	425	345	348	429	471	360	301	465	423	313	534
MAX	101	3,700	667	1,140	2,000	1,850	1,220	1,440	1,800	1,430	1,180	3,880
MIN	56	55	226	198	185	180	181	151	175	138	139	101
CFSM	0.39	2.31	1.87	1.89	2.33	2.56	1.96	1.64	2.53	2.30	1.70	2.90
IN.	0.45	2.58	2.16	2.18	2.51	2.95	2.19	1.89	2.82	2.65	1.96	3.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

MEAN	118	216	342	512	580	648	480	391	316	261	189	169
MAX	335	425	743	873	1,024	1,426	1,141	832	635	511	477	534
(WY)	(1990)	(2004)	(1992)	(1994)	(1994)	(1994)	(1994)	(2003)	(1997)	(2003)	(1996)	(2004)
MIN	32.5	51.4	105	245	169	301	124	151	75.3	90.7	46.1	29.8
(WY)	(1999)	(2002)	(2001)	(2001)	(2002)	(2001)	(1995)	(2001)	(2002)	(1993)	(2002)	(1998)

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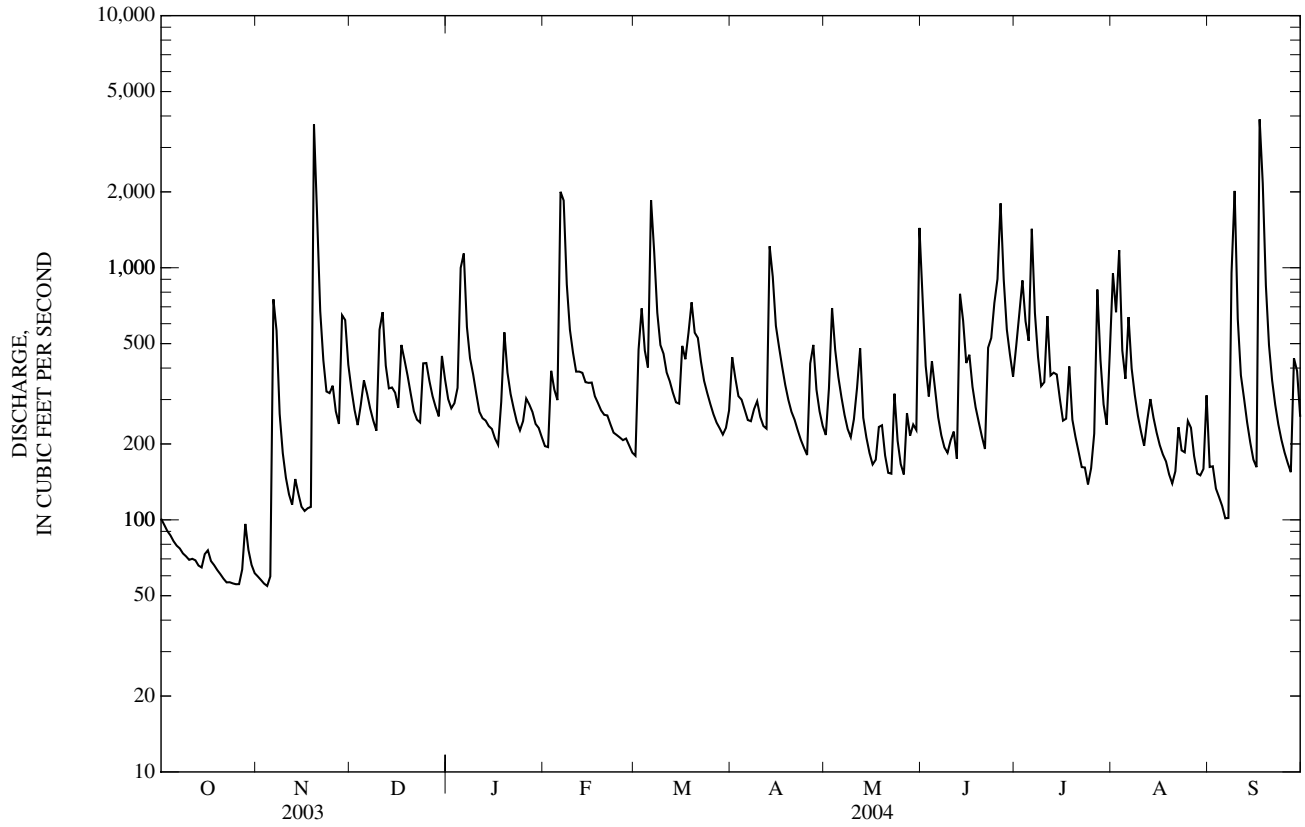
SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004	
ANNUAL TOTAL	159,733		136,385			
ANNUAL MEAN	438		373		351	
HIGHEST ANNUAL MEAN					573	1994
LOWEST ANNUAL MEAN					217	2001
HIGHEST DAILY MEAN	8,020	May 6	3,880	Sep 17	10,900	Mar 28, 1994
LOWEST DAILY MEAN	55	Nov 4	55	Nov 4	a18	Sep 12, 2002
ANNUAL SEVEN-DAY MINIMUM	57	Oct 20	57	Oct 20	20	Sep 14, 1998
MAXIMUM PEAK FLOW			8,270	Nov 19	19,700	Mar 28, 1994
MAXIMUM PEAK STAGE			11.73	Nov 19	17.50	Mar 28, 1994
INSTANTANEOUS LOW FLOW			b51	Oct 26	10	Sep 14, 2002
ANNUAL RUNOFF (CFSM)	2.38		2.03		1.91	
ANNUAL RUNOFF (INCHES)	32.29		27.57		25.94	
10 PERCENT EXCEEDS	819		662		740	
50 PERCENT EXCEEDS	257		272		212	
90 PERCENT EXCEEDS	94		101		57	

a Also occurred on Sept. 13, 2002.
b Also occurred on Nov. 4, 5.