03459500 PIGEON RIVER NEAR HEPCO, NC

LOCATION.--Lat 35°38'05", long 82°59'21", Haywood County, Hydrologic Unit 06010106, on left bank 95 ft east of Interstate Highway 40, 0.8 mi downstream of Jonathan Creek, 2.0 mi south of Hepco, 2.4 mi upstream from Fines Creek, and at mile 45.1.

DRAINAGE AREA.--350 mi^2.

PERIOD OF RECORD.--July 1927 to current year.

REVISED RECORDS.--WSP 823: Drainage area. WSP 893: 1928-31, 1932(M), 1933-36, 1937-39(M).

GAGE.--Water-stage recorder. Datum of gage is 2,335.95 ft above sea level (levels by Tennessee Valley Authority). Satellite and telephone telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Regulation by Lake Junaluska (station 03458319) on Richland Creek and Lake Logan (station 03455773) on West Fork Pigeon River for periods at low flow, combined capacity of reservoirs, about 2,000 ft^3/s-day. Maximum discharge for period of record, from rating curve extended above 12,000 ft^3/s on basis of slope-area measurements at gage heights 14.94 and 15.82 ft. Maximum gage height for period of record from high-water mark in gage house. Maximum gage height for current water year from high-water mark in well.

EXTREMES OUTSIDE PERIOD OF RECORD.--Floods of June 1876 and February 1902 reached a stage of about 18 ft, from flood profiles by Tennessee Valley Authority; discharge, about 42,000 ft^3/s.

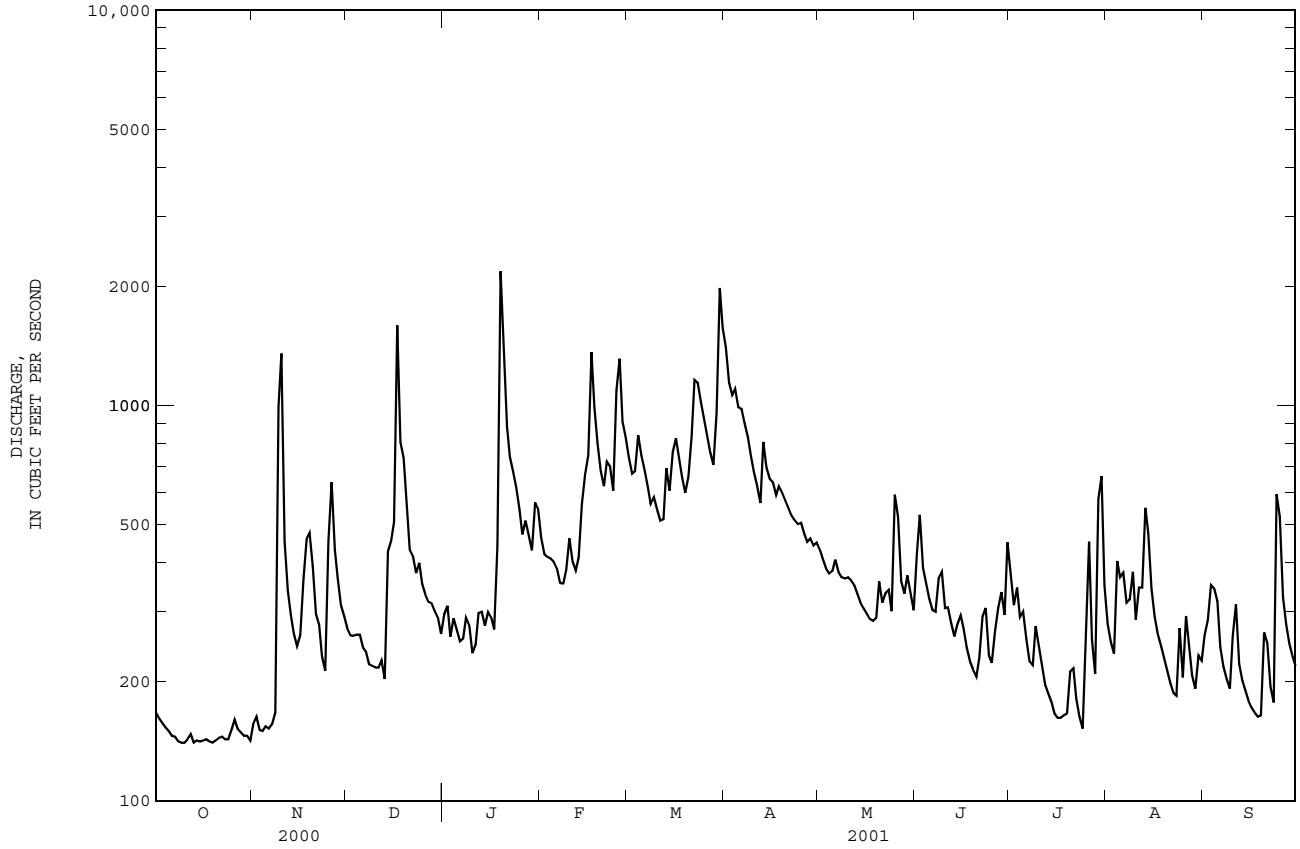
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	167	156	273	e296	462	737	1400	431	422	375	280	262
2	161	163	262	e311	420	671	1140	408	528	312	252	286
3	157	151	261	e260	413	682	1060	387	388	346	235	351
4	153	150	263	e289	410	839	1100	375	355	291	404	344
5	150	154	263	e271	402	747	988	381	323	300	367	319
6	146	152	244	e253	387	685	979	407	303	256	377	245
7	145	156	238	e257	355	622	896	378	300	225	317	218
8	141	167	221	291	354	562	829	367	365	220	323	203
9	140	991	219	278	383	585	747	364	379	276	379	192
10	140	1350	217	e236	461	545	675	367	307	245	287	261
11	143	452	217	e248	402	510	623	361	308	219	346	313
12	147	340	226	e298	382	514	566	351	281	196	346	222
13	140	293	203	e300	412	693	807	333	260	187	550	201
14	142	264	427	e277	562	608	694	316	280	178	475	189
15	141	246	454	e300	667	760	652	307	294	166	344	179
16	142	262	507	e290	748	824	638	298	272	162	292	172
17	143	363	1590	e271	1360	741	593	288	243	162	263	167
18	141	459	806	e439	992	659	624	285	225	164	246	163
19	140	476	736	e2180	800	600	601	290	214	166	230	164
20	142	392	556	e1380	681	660	574	358	206	212	213	266
21	144	296	432	e885	624	835	549	317	230	216	198	250
22	145	278	416	e739	721	1160	527	335	292	181	187	194
23	143	231	376	680	701	1140	511	341	307	163	184	177
24	143	213	399	618	608	1020	500	301	233	152	273	595
25	151	454	353	546	1090	923	504	594	223	239	205	523
26	160	638	332	471	1310	844	473	522	268	451	293	327
27	152	432	318	510	910	760	451	358	307	255	244	279
28	149	365	315	467	829	706	461	334	337	209	207	249
29	146	312	301	429	---	957	442	371	295	578	192	233
30	146	293	291	568	---	1980	450	336	450	662	233	219
31	142	---	e264	548	---	1570	---	303	---	351	226	---
TOTAL	4542	10649	11980	15186	17846	25139	21054	11164	9195	8115	8968	7763
MEAN	147	355	386	490	637	811	702	360	306	262	289	259
MAX	167	1350	1590	2180	1360	1980	1400	594	528	662	550	595
MIN	140	150	203	236	354	510	442	285	206	152	184	163

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2001, BY WATER YEAR (WY)

MEAN	413	498	664	882	1030	1155	991	722	540	421	424	373
MAX	1353	1627	2125	2275	2227	2455	2010	1630	1502	1141	2246	1214
(WY)	1965	1980	1933	1937	1990	1929	1936	1984	1967	1989	1940	1928
MIN	122	133	193	194	319	346	359	283	200	183	163	123
(WY)	1955	1954	1940	1940	1941	1988	1986	1941	1988	1986	1953	1999

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1927 - 2001	
ANNUAL TOTAL	162882		151601			
ANNUAL MEAN	445		415		674	
HIGHEST ANNUAL MEAN					943	1949
LOWEST ANNUAL MEAN					341	1988
HIGHEST DAILY MEAN	3730	Apr 4	2180	Jan 19	17100	Aug 13 1940
LOWEST DAILY MEAN	133	Sep 17	140	Oct 9	95	Sep 30 1941
ANNUAL SEVEN-DAY MINIMUM	139	Sep 14	141	Oct 13	100	Sep 12 1999
MAXIMUM PEAK FLOW			5410	Jan 19	32700*	Aug 30 1940
MAXIMUM PEAK STAGE			6.70*	Jan 19	15.82*	Aug 30 1940
INSTANTANEOUS LOW FLOW			128	Oct 13	81	Sep 30 1941
10 PERCENT EXCEEDS	791		753		1250	
50 PERCENT EXCEEDS	342		317		502	
90 PERCENT EXCEEDS	152		161		206	

e Estimated.
* See REMARKS.

03459500 PIGEON RIVER NEAR HEPCO, NC--Continued