

## PEE DEE RIVER BASIN

02130910 BLACK CREEK NEAR HARTSVILLE, SC

LOCATION.--Lat 34°23'50'', long 80°09'00'', Darlington County, Hydrologic Unit 03040201, at downstream side of bridge on State Road 23, 1,000 ft downstream from dam at H. B. Robinson Steam Electric Plant, 2.1 mi upstream from Beaverdam Creek, 4.6 mi west of Hartsville, and at mile 49.9.

DRAINAGE AREA.--173 mi<sup>2</sup>.

PERIOD OR RECORD.--October 1960 to current year.

GAGE.--Data collection platform. Datum of gage is 177.48 ft above sea level.

REMARKS.--Records good except for estimated daily discharges, which are poor. Some regulation by storage in Lake Robinson above station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	419	116	188	132	403	213	199	201	77	92	103	102
2	211	118	174	131	314	211	187	188	75	101	111	111
3	220	118	163	130	284	204	178	199	74	102	117	145
4	217	116	154	131	310	204	176	188	73	99	134	240
5	207	115	146	142	325	203	169	177	73	96	136	336
6	192	115	146	140	329	202	159	165	79	96	133	346
7	182	116	146	140	326	194	155	152	75	96	127	318
8	167	114	140	137	324	191	156	140	71	101	121	e291
9	156	114	136	136	318	185	156	130	71	106	116	e243
10	148	112	132	193	309	181	148	122	69	106	119	e199
11	143	112	134	231	301	175	145	117	68	104	110	e194
12	137	112	130	245	299	181	147	110	67	102	95	171
13	162	110	128	257	292	171	151	105	65	144	86	153
14	167	112	156	267	321	169	158	103	71	162	79	137
15	161	116	161	265	333	168	184	97	77	168	74	127
16	156	116	163	250	328	171	201	89	76	158	70	116
17	169	111	162	231	422	184	213	85	74	144	68	104
18	175	110	161	213	360	178	255	82	73	128	66	102
19	173	109	173	198	315	176	261	80	72	114	70	105
20	173	110	174	198	313	208	253	78	71	105	66	106
21	169	112	174	185	296	241	241	77	68	96	63	108
22	160	114	176	181	279	252	223	77	68	92	66	150
23	156	114	172	211	267	254	199	72	71	90	64	261
24	148	114	168	331	255	261	179	72	70	91	62	271
25	141	116	161	621	243	269	176	77	68	124	69	277
26	133	136	151	644	232	276	185	99	67	122	72	195
27	131	160	147	635	226	260	201	98	65	118	75	198
28	126	170	144	659	234	242	211	98	67	114	79	210
29	122	181	138	603	222	227	217	96	76	111	79	206
30	120	192	135	536	---	218	217	87	84	106	82	185
31	118	---	133	436	---	210	---	80	---	101	93	---
TOTAL	5259	3681	4766	8809	8780	6479	5700	3541	2155	3489	2805	5707
MEAN	170	123	154	284	303	209	190	114	71.8	113	90.5	190
MAX	419	192	188	659	422	276	261	201	84	168	136	346
MIN	118	109	128	130	222	168	145	72	65	90	62	102
CFSM	.98	.71	.89	1.64	1.75	1.21	1.10	.66	.42	.65	.52	1.10
IN.	1.13	.79	1.02	1.89	1.89	1.39	1.23	.76	.46	.75	.60	1.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2000, BY WATER YEAR (WY)

MEAN	184	195	229	298	311	332	268	195	168	162	183	158
MAX	539	299	393	641	713	649	533	364	376	447	466	336
(WY)	1991	1972	1977	1998	1998	1998	1998	1991	1973	1975	1971	1979
MIN	76.6	107	142	144	172	164	109	90.9	71.8	46.4	67.8	79.7
(WY)	1982	1982	1989	1981	1989	1985	1985	1981	2000	1986	1999	1968

SUMMARY STATISTICS	02130910 BLACK CREEK NEAR HARTSVILLE, SC--Continued		WATER YEARS 1961 - 2000	
	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR		
ANNUAL TOTAL	62897	61171		
ANNUAL MEAN	172	167	223	
HIGHEST ANNUAL MEAN			358	1998
LOWEST ANNUAL MEAN			141	1986
HIGHEST DAILY MEAN	784	Jan 25	2890	Oct 13 1990
LOWEST DAILY MEAN	61	Aug 13	30	Aug 7 1990
ANNUAL SEVEN-DAY MINIMUM	64	Aug 20	33	Aug 2 1990
INSTANTANEOUS PEAK FLOW			a 4450	Oct 13 1990
INSTANTANEOUS PEAK STAGE		7.46	Jan 25	12.35
ANNUAL RUNOFF (CFSM)	1.00	.97		1.29
ANNUAL RUNOFF (INCHES)	13.52	13.15		17.54
10 PERCENT EXCEEDS	283	276	370	
50 PERCENT EXCEEDS	144	147	196	
90 PERCENT EXCEEDS	69	75	97	

a From rating curve extended above 1,100 ft<sup>3</sup>/s.

e Estimated

