

PEE DEE RIVER BASIN

02131000 PEE DEE RIVER AT PEE DEE, SC

LOCATION.--Lat 34°12'15'', long 79°32'55'', Marion County, Hydrologic Unit 03040201, at downstream side of downstream bridge on U.S. Highway 76 at Pee Dee, 0.2 mi downstream from Seaboard Coast Line Railroad bridge, 8.2 mi downstream from Black Creek, and at mile 100.2

DRAINAGE AREA.--8,830 mi², approximately.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for some periods, published in WSP 1303. Prior to October 1947, published as near Mars Bluff. Gage-height records collected at practically same site since 1923 are contained in reports of National Weather Service.

GAGE.--Data collection platform. Datum of gage is 24.73 ft above NGVD of 1929. Prior to Oct. 1, 1947, at site 1.6 mi downstream at datum 1.27 ft lower.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by six powerplants above station (combined usable capacity of reservoirs, 30,819,624,000 ft³).

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	10200	9630	6710	e8840	5330	12600	6910	6310	1260	5900	6240	e11500
2	8720	6680	6340	e9100	4160	13100	7340	6720	1720	5740	5550	e13500
3	7270	3720	7840	e8720	3620	14100	6860	5080	2920	4850	4780	13100
4	5000	2740	8570	e7480	3670	15300	4920	7620	3060	6460	4470	11800
5	2710	3690	9360	e4940	4770	15300	3170	10300	3140	5600	4680	9250
6	1920	4840	9680	e4190	7290	14700	3550	9840	3300	4270	6150	5730
7	1810	5870	9690	7450	8800	13600	5640	9260	1950	4620	5830	3890
8	4040	5950	10200	8370	9560	11300	5620	8800	1390	5990	4110	9470
9	5140	5550	10200	8200	11700	9850	5510	7170	3650	6330	2260	18000
10	6840	3800	8870	7890	12300	9080	6140	6200	4850	5630	e1330	20100
11	7340	3120	8230	8220	12300	9120	5240	7810	4140	4400	5420	23000
12	6590	5130	7330	6880	12400	8600	4010	8330	4320	2470	5170	26500
13	4840	e6800	7950	6450	12600	8430	5060	8440	3820	1780	4220	32100
14	4110	e7540	9350	6620	13600	8470	6900	7010	2540	3750	7580	37400
15	7290	7810	9990	6590	14600	6610	7890	5510	1730	4890	9220	37300
16	8370	6810	11000	7090	14500	5770	9360	2860	1740	5690	10100	33400
17	8220	3870	11800	7370	14300	7240	10000	1680	4060	5050	10300	29600
18	7710	3250	e12200	6800	14500	7380	10100	1520	5420	4590	8740	26600
19	6420	6640	e11400	4420	14300	7820	8280	3420	5990	2450	7150	24200
20	4470	8600	e10000	3610	13600	8350	6870	5140	5610	1480	6800	22200
21	4400	10400	e8640	6440	12800	7410	6250	6170	4230	2590	6620	19700
22	5960	11500	e8400	6740	12100	5160	6770	6260	2600	3470	5960	16900
23	6700	11700	e8010	6860	10200	4420	7100	5250	4690	4360	3730	14800
24	6990	9490	e8310	7660	9430	6170	7260	2680	6510	4990	2310	12800
25	6040	7040	e8620	7670	8820	7000	6510	3100	8090	4680	1850	11200
26	5280	6810	e8210	6930	8940	7960	5330	4520	8760	2360	2170	9480
27	4360	6990	e7890	6980	9830	7020	4370	4470	6560	1260	3190	8160
28	5540	7350	e8030	7530	11000	5040	6230	4010	4920	2280	4100	9550
29	6820	7580	e7770	7510	12000	3290	7190	2870	6380	3450	4110	13800
30	8710	7890	e8030	6880	---	3340	6740	2930	6610	6170	3440	18600
31	9620	---	e8400	6480	---	5400	---	1880	---	7840	8000	---
TOTAL	189430	198790	277020	216910	303020	268930	193120	173160	125960	135390	165580	543630
MEAN	6111	6626	8936	6997	10450	8675	6437	5586	4199	4367	5341	18120
MAX	10200	11700	12200	9100	14600	15300	10100	10300	8760	7840	10300	37400
MIN	1810	2740	6340	3610	3620	3290	3170	1520	1260	1260	1330	3890
CFSM	0.69	0.75	1.01	0.79	1.18	0.98	0.73	0.63	0.48	0.49	0.60	2.05
IN.	0.80	0.84	1.17	0.91	1.28	1.13	0.81	0.73	0.53	0.57	0.70	2.29

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
MEAN	6601	6639	8801	12560	15500	17190	14060	9125	7348	6482	6624	6655
MAX	29150	18760	22710	26840	44410	36910	31790	24620	22180	21520	16560	49130
(WY)	1965	1948	1949	1993	1960	1979	1984	1958	2003	1975	2003	1945
MIN	984	773	1916	3268	4042	5505	4055	2355	2079	1682	1107	1380
(WY)	2002	2002	2002	1956	2001	1981	1981	2002	2002	2002	2002	1954

02131000 PEE DEE RIVER AT PEE DEE, SC--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL TOTAL	5613130		2790940		9769	
ANNUAL MEAN	15380		7626		16470	
HIGHEST ANNUAL MEAN					2778	
LOWEST ANNUAL MEAN					217000	
HIGHEST DAILY MEAN	97500	Apr 16	37400	Sep 14	217000	Sep 22 1945
LOWEST DAILY MEAN	1810	Oct 7	1260	a Jun 1	664	Oct 30 2001
ANNUAL SEVEN-DAY MINIMUM	3920	Oct 4	2380	May 29	701	Nov 15 2001
MAXIMUM PEAK FLOW			38200	b Sep 14	c 220000	Sep 22 1945
MAXIMUM PEAK STAGE			24.86	Sep 14	d 33.30	Sep 22 1945
ANNUAL RUNOFF (CFSM)	1.74		0.864		1.11	
ANNUAL RUNOFF (INCHES)	23.65		11.76		15.03	
10 PERCENT EXCEEDS	25200		12500		20000	
50 PERCENT EXCEEDS	13400		6810		6980	
90 PERCENT EXCEEDS	5620		3130		2860	

a Also occurred July 27.
 b Also occurred Sep. 15.
 c From rating curve extended above 76,000 ft³/s on basis of discharge measurement of 221,000 ft³/s at Cheraw.
 d At datum then in use.

e Estimated

