

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 good 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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1410	6370	4260	18300	6600	22300	23600	16100	26800	7760	10500	7260
2	1340	7030	2670	17300	8640	23100	e22100	15400	25000	11300	11100	5820
3	1260	6160	2870	17300	7700	24000	e21000	14300	23000	16200	13200	6380
4	1210	3710	5790	17500	5850	24900	e19800	13300	21200	e18500	14700	7480
5	1220	3200	6970	16800	5850	25500	e18800	13400	19500	e19500	14500	8220
6	1250	5850	7520	15200	5260	25700	e17800	14600	18700	e21500	15700	8510
7	1280	7610	10600	12200	4350	25200	e16800	16900	19000	e22000	18000	11600
8	1220	8660	13800	9740	6870	25100	e15800	18700	19700	20900	19100	13900
9	1200	9380	12500	9460	10800	25700	17500	19900	20800	19900	19600	14100
10	1280	8500	9620	8530	12900	26800	19400	21100	22200	19500	19900	14100
11	1430	5220	9520	7110	13100	27600	21400	21100	23800	18800	20500	13800
12	2120	3900	10400	5910	12500	27300	23800	19900	e25200	17600	21200	12900
13	7820	6710	11900	5480	11000	25900	28200	18500	e26600	16500	22100	11800
14	12500	12400	14400	5880	10200	23700	53400	16800	27400	15900	23100	9890
15	12400	16200	17600	6610	10200	21100	90900	15100	26700	16200	23600	6760
16	11300	16400	19000	6610	10500	19100	97500	13400	25200	16700	23100	3860
17	9020	16300	19700	6750	11300	18000	78900	11500	23200	16600	22100	5400
18	8730	16800	20200	7640	13700	18500	58200	9370	22000	16100	21400	7640
19	9490	18300	19700	7250	15700	19600	43100	6980	22200	15900	21100	7280
20	8820	19200	18800	5000	16000	20800	33200	4800	23000	15900	20400	7100
21	6670	19500	17700	4910	15700	22100	28400	5290	23900	16500	19300	7320
22	4570	19200	16800	4820	15100	23500	26900	8570	24800	16600	18100	5670
23	2930	18300	16000	6020	14700	25300	26300	11000	25400	16000	16600	4270
24	3750	17100	15100	6500	17000	29600	25600	16500	25000	15200	14900	e6000
25	5850	15100	14600	7870	18900	50000	24000	18900	23400	14500	11400	10600
26	4990	12700	16400	8540	19900	67700	21900	20500	21100	14000	9510	15800
27	4420	9910	18600	7350	21200	65000	19900	22600	19000	13400	9480	16300
28	3160	9180	19700	6910	21800	52900	18600	24500	17300	12700	9770	15100
29	2020	7890	20500	7520	---	41100	17800	26200	14200	12000	9960	13200
30	3800	5340	20300	5030	---	32400	16900	27500	10100	11200	10000	11500
31	5510	---	19300	3930	---	26800	---	27800	---	10700	9350	---
TOTAL	143970	332120	432820	275970	343320	906300	947500	510510	665400	496060	513270	289560
MEAN	4644	11070	13960	8902	12260	29240	31580	16470	22180	16000	16560	9652
MAX	12500	19500	20500	18300	21800	67700	97500	27800	27400	22000	23600	16300
MIN	1200	3200	2670	3930	4350	18000	15800	4800	10100	7760	9350	3860
CFSM	0.53	1.25	1.58	1.01	1.39	3.31	3.58	1.87	2.51	1.81	1.88	1.09
IN.	0.61	1.40	1.82	1.16	1.45	3.82	3.99	2.15	2.80	2.09	2.16	1.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2003, BY WATER YEAR (WY)

	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)
1939	6608	29150	1965	1965	6639	18760	1948	1948	8799	22710	1949	1949
1940	12650	26840	1993	1993	15580	44410	1960	1960	17320	36910	1979	1979
1941	15580	44410	1960	1960	17320	36910	1979	1979	14180	31790	1984	1984
1942	14180	31790	1984	1984	9179	24620	1958	1958	7396	22180	2003	2003
1943	9179	24620	2003	2003	6515	21520	1975	1975	6643	16560	2003	2003
1944	6515	21520	2003	2003	6643	16560	2003	2003	6479	49130	1945	1945
1945	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1946	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1947	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1948	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1949	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1950	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1951	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1952	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1953	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1954	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1955	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1956	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1957	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1958	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1959	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1960	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1961	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1962	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1963	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1964	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1965	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1966	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1967	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1968	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1969	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1970	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1971	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1972	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1973	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1974	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1975	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1976	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1977	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1978	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1979	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1980	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1981	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1982	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1983	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1984	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1985	6479	49130	1945	1945	6479	49130	1945	1945	6479	49130	1945	1945
1986	6479	49130	1945	1945	647							

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1939 - 2003	
ANNUAL TOTAL	1809940		5856800		9802	
ANNUAL MEAN	4959		16050		16470	
HIGHEST ANNUAL MEAN					2778	
LOWEST ANNUAL MEAN					217000	
HIGHEST DAILY MEAN	20500	Dec 29	97500	Apr 16	217000	Sep 22 1945
LOWEST DAILY MEAN	710	Jul 24	1200	Oct 9	664	Oct 30 2001
ANNUAL SEVEN-DAY MINIMUM	941	Aug 7	1230	Oct 3	701	Nov 15 2001
MAXIMUM PEAK FLOW			101000	a Apr 15	b 220000	Sep 22 1945
MAXIMUM PEAK STAGE			29.48	Apr 16	c 33.30	Sep 22 1945
ANNUAL RUNOFF (CFSM)	0.56		1.82		1.11	
ANNUAL RUNOFF (INCHES)	7.63		24.67		15.08	
10 PERCENT EXCEEDS	12400		25200		20100	
50 PERCENT EXCEEDS	2960		15700		6990	
90 PERCENT EXCEEDS	1080		5240		2850	

a Also occurred Apr. 16.
 b From rating curve extended above 76,000 ft³/s on basis of discharge measurement of 221,000 ft³/s at Cheraw.
 c At datum then in use.

e Estimated

