

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 sea level. Prior to Oct. 1, 1947, at site 1.6 mi downstream at datum 1.27 ft lower.

REMARKS.--Records good except for discharges below 1,300 ft³/s, 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16200	1990	6090	5770	18200	7510	9840	8050	1200	1900	1810	3020
2	17600	1850	6540	5870	19200	7780	8640	6210	2080	1690	2210	2600
3	17400	3390	5020	4190	20300	8470	5700	6420	4150	1520	2890	2770
4	15100	3890	3580	3460	21300	8250	4860	6500	4080	1230	3080	6060
5	11900	4660	4150	4960	21600	7590	6380	6900	2030	1180	3380	8020
6	8060	4490	2930	5690	21100	6030	6910	6160	1260	1880	4320	9830
7	5410	4090	2450	5500	20000	5240	7270	6320	2430	3340	4880	10100
8	5420	2410	2960	5650	18500	6600	7390	5940	3400	3550	4270	8600
9	5290	1670	4310	5060	17400	6870	6890	5040	2520	3190	4330	6460
10	5110	1990	4910	3810	16400	6890	5660	5330	4560	1640	3380	5250
11	4250	2620	4440	5280	15600	6710	5700	6240	4780	1130	3070	3370
12	4270	3000	3900	11800	14900	5820	7890	5500	3670	2640	2790	2570
13	13000	2990	2500	14500	14400	4600	9090	5270	2860	3320	2210	2810
14	15000	2920	1960	14300	15100	4060	9540	5130	3610	3230	1840	2780
15	14600	2150	2640	13200	16400	5130	9870	3910	2550	2030	1320	2830
16	14200	1820	5550	10900	17800	5520	9810	2080	3070	3580	1140	2680
17	13700	2840	7410	6890	18800	5460	8460	2700	2280	2270	1790	2440
18	13000	3610	7440	5340	19300	5770	7790	2700	2210	1400	2330	1830
19	13000	3310	5650	7450	18800	7470	8190	2730	2510	1790	2420	1570
20	12500	2940	3840	8400	17900	9760	10800	4280	2670	2720	2840	1580
21	11400	3170	3980	6950	16800	11000	12200	4750	2690	2730	2140	2570
22	10400	1860	5970	7400	15600	11700	12200	3680	2460	2590	1950	3200
23	10200	1670	6720	8360	14000	12500	11100	1950	2920	2420	1410	4600
24	9430	3530	7250	7930	12700	12800	7150	2360	2350	1590	1180	9260
25	6780	3850	6540	12300	12300	12300	4570	2140	2540	1450	1350	13900
26	5140	3780	4470	15900	12200	10900	7300	4200	2770	2580	1790	14500
27	5890	2920	3550	17400	11300	8530	8920	4180	2230	2510	2260	13500
28	5330	6010	3460	18400	8220	7230	8950	2870	2620	3600	1510	11300
29	5140	4930	4630	19100	6520	8230	9380	2820	3070	4190	1100	9020
30	4760	4900	5400	19000	---	9180	9660	1840	3380	3840	2300	6540
31	3330	---	5520	18100	---	9810	---	1390	---	2710	2900	---
TOTAL	302810	95250	145760	298860	472640	245710	248110	135590	84950	75440	76190	175560
MEAN	9768	3175	4702	9641	16300	7926	8270	4374	2832	2434	2458	5852
MAX	17600	6010	7440	19100	21600	12800	12200	8050	4780	4190	4880	14500
MIN	3330	1670	1960	3460	6520	4060	4570	1390	1200	1130	1100	1570
CFSM	1.11	.36	.53	1.09	1.85	.90	.94	.50	.32	.28	.28	.66
IN.	1.28	.40	.61	1.26	1.99	1.04	1.05	.57	.36	.32	.32	.74

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2000, BY WATER YEAR (WY)

	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
MEAN	6806	6729	8924	12970	15980	17470	14160	9280	7307	6500	6646	6559
MAX	29150	18760	22710	26840	44410	36910	31790	24620	17950	21520	16110	49130
(WY)	1965	1948	1949	1993	1960	1979	1984	1958	1982	1975	1970	1945
MIN	2117	2241	3213	3268	5560	5505	4055	3083	2551	2434	1810	1380
(WY)	1952	1954	1940	1956	1941	1981	1981	1981	1999	2000	1999	1954

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SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1939 - 2000	
ANNUAL TOTAL	2097787		2356870		9873	
ANNUAL MEAN	5747		6440		16470	
HIGHEST ANNUAL MEAN					5204	
LOWEST ANNUAL MEAN					1999	
HIGHEST DAILY MEAN	22400	Jan 29	21600	Feb 5	217000	Sep 22 1945
LOWEST DAILY MEAN	743	Aug 10	1100	Aug 29	720	Sep 29 1954
ANNUAL SEVEN-DAY MINIMUM	1340	Aug 6	1510	Aug 23	814	Sep 27 1954
INSTANTANEOUS PEAK FLOW			21600	Feb 5	a 220000	Sep 22 1945
INSTANTANEOUS PEAK STAGE			21.11	Feb 5	b 33.30	Sep 22 1945
ANNUAL RUNOFF (CFSM)	.65		.73		1.12	
ANNUAL RUNOFF (INCHES)	8.84		9.93		15.19	
10 PERCENT EXCEEDS	12700		14300		20200	
50 PERCENT EXCEEDS	4350		4940		7110	
90 PERCENT EXCEEDS	1780		1950		3020	

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

