14243000 COWLITZ RIVER AT CASTLE ROCK, WA

LOCATION.--Lat 46°16'28", long 122°54'45", in SW $^1/_4$ SE $^1/_4$ sec.10, T.9 N., R.2 W., Cowlitz County, Hydrologic Unit 17080005, on left bank 40 ft downstream from Arkansas Valley Road bridge in Castle Rock, 2.7 mi downstream from Toutle River, and at mile 17.3.

DRAINAGE AREA.--2,238 mi^2, of which approximately 21 mi^2 is noncontributing. Prior to July 7, 1981, the noncontributing portion was approximately 40 mi^2.

PERIOD OF RECORD.--December 1926 to current year; October 1985 to April 2000 (seasonal records).

REVISED RECORDS.--WSP 1218: Drainage area. WSP 1638: 1947(P), 1951.

GAGE.--Water-stage recorder. Datum of gage is North American Vertical Datum of 1988 (NAVD88). Prior to Dec. 18, 1933, nonrecording gage at site 2 mi upstream at datum 38.58 ft higher. Dec. 18, 1933, to June 13, 1934, nonrecording gage, and June 14 to Sept. 30, 1934, water-stage recorder, at present site at datum 28.65 ft higher. Oct. 1, 1934, to May 21, 1980, water-stage recorder, on right bank at datum 23.65 ft higher. May 23, 1980, to July 29, 1997, water-stage recorder at present site at datum 23.65 higher.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Riffe Lake (station 14234800) at mile 65.5, and Mayfield Reservoir (station 14237800) at mile 52.0. Minor diversions for domestic and farm use upstream from station. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--59 years (water years 1928-85, 2001), 9,192 ft^3/s, 55.78 in/yr, 6,660,000 acre-ft/yr, adjusted for storage in Mayfield Reservoir since April 1962, and Riffe Lake since April 1968.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 139,000 ft^3/s Dec. 23, 1933, gage height, 55.25 ft present datum, from rating curve extended above 80,000 ft^3/s; maximum gage height, 55.76 ft Feb. 8, 1996; minimum discharge, 998 ft^3/s Nov. 7, 8, 1935.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,600 ft^3/s Nov. 27, gage height, 34.44 ft; minimum discharge, 2,840 ft^3/s Sept. 24.

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	7120	7160	9470	6900	5700	4580	6070	8000	3770	3580	3130	3020
2	6030	7280	9480	6770	5970	4460	5850	7670	3910	3510	3110	3020
3	5460	7230	9400	6690	6160	4430	5680	6690	4170	3440	3090	3010
4	5260	7270	9090	6970	8170	4210	5300	6070	3960	3400	3100	3010
5	5150	7390	7860	7200	9990	4100	5020	5750	3830	3380	3080	3010
6	5070	7450	7740	7300	8450	4130	5320	5350	3930	3350	3060	3000
7	5000	7390	7700	7090	7550	4040	5430	5040	3860	3310	3050	2980
8	4960	8050	7690	6920	6990	3980	5470	4820	3750	3290	3040	2980
9	5060	9520	7760	6840	6700	4080	5330	4710	3770	3270	3030	2980
10	5220	9840	7790	6840	6400	3990	5210	4580	3810	3250	3020	2960
11	5120	9650	11000	6720	6190	3950	7040	4460	3920	3240	3010	2950
12	5000	9530	11200	6610	5980	3890	6270	4420	4730	3210	3010	2950
13	5000	9470	11100	6710	5820	3860	5730	4460	4430	3190	3000	2940
14	5080	9430	10700	7010	5720	3920	5330	4700	4190	3180	2990	2940
15	5020	8870	10300	6860	5710	3960	5030	5950	4040	3180	3000	2940
16	5010	8620	8270	6700	6410	4250	4860	6570	3910	3280	2990	2940
17	5040	8560	9930	6580	6400	4140	5270	5800	3830	3330	2990	2940
18	5100	8510	9030	6570	6120	4310	5320	5220	3750	3320	2990	2940
19	5080	8490	8540	6650	5930	5520	5190	4880	3690	3250	2980	2930
20	5350	8490	8320	6030	5800	5340	4950	4650	3630	3190	2970	2920
21	6010	8460	8170	5940	5730	4920	4760	4480	3580	3220	2990	2890
22	5570	8420	7550	6040	5730	4650	4640	4410	3550	3200	3190	2890
23	5560	8540	8050	5910	5640	4460	4700	4470	3540	3180	3770	2890
24	5930	8900	8590	5910	5670	4370	4620	4430	3530	3160	3580	2890
25	5770	8830	8100	5840	5620	5110	4580	4310	3670	3150	3270	2910
26	5100	9230	7680	5710	5540	5620	4650	4180	3520	3120	3150	3060
27	5070	10900	7480	5610	5480	5360	4740	4080	3700	3110	3100	3070
28	5460	10200	7270	5540	5460	6150	4860	4040	4170	3190	3070	2970
29	5670	9730	7090	5680	---	5800	5030	4090	3880	3240	3070	2940
30	5600	9660	7050	5700	---	5470	6110	3850	3680	3180	3050	2940
31	5410	---	7010	5760	---	5510	---	3770	---	3140	3020	---
TOTAL	166280	261070	266410	199600	177030	142560	158360	155900	115700	101040	95900	88810
MEAN	5364	8702	8594	6439	6322	4599	5279	5029	3857	3259	3094	2960
MAX	7120	10900	11200	7300	9990	6150	7040	8000	4730	3580	3770	3070
MIN	4960	7160	7010	5540	5460	3860	4580	3770	3520	3110	2970	2890
AC-FT	329800	517800	528400	395900	351100	282800	314100	309200	229500	200400	190200	176200
MEAN†	3684	3546	4786	4926	5652	6123	8270	10680	5976	3179	2267	1707
CFSM†	1.65	1.58	2.14	2.20	2.53	2.74	3.70	4.77	2.67	1.42	1.01	0.76
IN†	1.90	1.77	2.47	2.54	2.63	3.16	4.12	5.50	2.98	1.64	1.17	0.85
AC-FT†	226500	211000	294300	302900	313900	376500	492100	656900	355600	195500	139400	101600

WTR YR 2001 TOTAL 1928660 MEAN 5284 MAX 11200 MIN 2890 AC-FT 3825000 MEAN† 5064 CFSM† 2.26 IN† 30.72 AC-FT† 3666000

† Adjusted for change in contents in Riffe Lake and Mayfield Reservoir.