

COOPER RIVER BASIN

409

021720709 COOPER RIVER AT U.S. HIGHWAY 17 AT CHARLESTON, SC

LOCATION.--Lat 32°48'11'', long 79°54'55'', Charleston County, Hydrologic Unit 03050201, on downstream side of pier on U.S. Highway 17 bridge and at mile 1.4.

DRAINAGE AREA.--Indeterminate.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--April 1997 to current year.

GAGE.--Data collection platform. Elevation of gage is 10 ft below NGVD of 1929 (from topographic map).

REMARKS.--Gage height affected by tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.25 ft, July 21, 2001; minimum gage height, 0.30 ft, Feb. 20, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 10.71 ft, Oct. 9; minimum gage height, 1.15 ft, Nov. 6.

Gage height, feet  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.46	4.71	7.00	9.59	3.41	6.77	8.53	2.21	5.61	10.10	2.36	6.00
2	9.38	4.06	6.79	9.63	3.01	6.74	9.48	2.03	6.01	9.13	1.94	5.76
3	9.52	3.39	6.57	9.75	2.88	6.53	9.27	1.88	6.00	9.43	2.47	5.79
4	9.86	2.95	6.61	9.89	2.44	6.45	10.55	2.73	6.67	9.18	1.95	5.84
5	9.73	2.67	6.50	10.47	2.52	6.71	10.18	2.65	6.31	9.46	3.12	6.20
6	9.93	2.53	6.54	9.61	1.15	5.47	9.60	2.67	6.07	8.83	2.82	5.64
7	10.23	2.91	6.76	9.68	2.33	5.97	9.23	2.92	5.95	8.52	3.11	5.59
8	10.41	3.03	6.96	9.43	3.28	6.21	8.89	3.04	5.81	7.62	2.88	5.25
9	10.71	3.94	7.22	9.11	3.50	6.11	9.03	3.61	6.17	7.45	2.98	5.36
10	10.37	4.12	7.26	8.81	3.66	5.99	9.47	4.84	6.97	7.41	3.25	5.39
11	10.27	4.51	7.26	8.10	3.41	5.68	8.90	3.51	6.43	7.64	3.80	5.78
12	9.52	4.32	6.79	8.07	3.61	5.80	7.72	3.67	5.75	7.69	3.82	5.86
13	9.53	4.62	7.01	8.13	3.30	5.83	8.25	3.91	6.50	8.33	3.37	5.87
14	9.91	5.11	7.64	8.55	4.09	6.46	8.11	2.76	5.28	8.12	3.21	5.84
15	10.45	6.02	8.30	9.00	4.21	6.85	8.06	3.26	5.80	7.85	3.01	5.66
16	9.69	4.61	7.51	9.08	4.13	6.87	8.15	2.77	5.65	8.64	3.03	5.99
17	9.44	4.12	7.07	9.07	2.39	6.08	8.73	2.93	6.20	8.20	2.45	5.38
18	9.40	4.13	7.02	8.29	2.37	5.80	9.41	3.54	6.59	9.10	2.24	5.95
19	9.16	4.16	6.83	9.05	3.20	6.26	9.47	3.72	6.51	8.24	1.61	5.07
20	9.08	3.99	6.65	9.13	3.10	6.36	9.07	2.57	5.62	7.90	1.59	4.75
21	9.05	3.54	6.52	9.37	3.62	6.49	8.18	1.93	5.14	8.20	1.49	4.92
22	9.25	3.71	6.63	9.01	3.14	5.82	8.40	2.18	5.13	9.01	2.36	5.83
23	9.37	3.95	6.67	8.44	2.96	5.60	8.47	2.25	5.38	8.64	2.96	5.62
24	9.50	4.33	6.83	8.52	3.17	5.65	9.30	3.17	6.16	7.87	1.76	5.06
25	9.42	4.23	6.83	8.44	3.31	5.67	8.47	2.11	5.20	8.12	2.74	5.38
26	9.04	4.38	6.55	8.55	3.36	5.75	8.44	2.44	5.40	8.64	2.40	5.39
27	8.85	4.23	6.47	8.39	3.29	5.69	8.64	3.29	5.98	8.00	2.57	5.25
28	8.97	4.43	6.52	8.74	3.35	6.01	8.38	2.89	5.74	8.81	2.46	5.69
29	9.02	4.04	6.44	8.60	2.76	5.96	8.52	2.34	5.50	8.78	2.07	5.60
30	9.03	4.01	6.55	7.94	1.45	5.12	9.22	2.43	5.98	8.87	2.10	5.76
31	9.23	3.75	6.72	---	---	---	9.34	2.67	6.09	8.92	2.19	5.74
MONTH	10.71	2.53	6.87	10.47	1.15	6.09	10.55	1.88	5.92	10.10	1.49	5.59

## COOPER RIVER BASIN

021720709 COOPER RIVER AT U.S. HIGHWAY 17 AT CHARLESTON, SC--Continued

Gage height, feet  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.12	2.43	5.80	9.32	3.12	6.51	8.41	2.78	5.79	9.23	3.56	6.41
2	8.87	2.31	5.67	9.30	3.04	6.20	7.97	2.24	5.15	9.15	3.74	6.41
3	8.67	2.34	5.48	8.85	2.73	6.06	8.01	2.32	5.10	9.06	3.38	6.24
4	8.35	2.04	5.18	9.01	3.17	6.13	8.41	2.70	5.39	9.76	3.94	6.82
5	7.69	2.60	5.07	8.42	2.66	5.82	8.39	3.25	5.72	9.35	4.30	6.92
6	8.02	3.35	5.55	8.13	2.54	5.52	9.33	3.61	6.20	8.87	3.75	6.11
7	7.82	2.66	5.33	8.50	3.50	5.83	9.02	4.05	6.43	8.54	3.71	5.82
8	7.46	3.31	5.28	8.51	3.83	6.12	9.08	4.40	6.36	8.51	3.47	5.72
9	7.55	3.83	5.59	8.45	4.48	6.32	9.28	4.84	6.84	8.17	3.51	5.71
10	7.78	3.50	5.47	8.42	4.55	6.44	9.30	4.40	6.87	8.12	3.29	5.72
11	7.41	3.43	5.42	8.61	4.32	6.40	8.98	4.71	6.83	8.31	2.95	5.69
12	7.43	2.81	5.04	8.18	4.18	6.01	9.08	3.62	6.62	8.28	2.25	5.46
13	7.72	2.54	5.19	8.25	3.91	6.06	9.11	3.29	6.51	9.29	2.40	5.87
14	7.83	2.27	5.25	8.41	4.15	6.47	9.31	2.84	6.45	9.91	2.38	6.17
15	8.36	2.21	5.44	9.45	3.47	6.83	9.69	2.29	6.33	10.01	2.33	6.26
16	9.27	1.92	6.21	9.38	2.92	6.45	10.27	2.40	6.47	10.07	2.18	6.06
17	9.54	2.36	6.04	9.43	2.55	6.43	10.69	2.63	6.69	10.55	2.52	6.33
18	9.11	1.84	5.71	9.68	2.57	6.48	10.58	3.15	6.81	10.61	3.46	6.81
19	9.27	2.18	5.85	9.93	2.59	6.47	10.37	3.14	6.60	10.09	3.82	6.69
20	9.23	2.37	5.87	9.68	2.30	6.46	10.30	3.59	6.76	9.95	3.97	6.71
21	9.37	3.14	6.28	9.70	2.28	6.07	10.25	3.97	6.85	9.57	3.68	6.23
22	9.39	3.20	6.34	9.28	2.82	6.03	9.97	3.62	6.43	8.92	3.65	6.24
23	8.93	2.16	5.01	9.24	3.09	6.09	9.08	4.16	6.70	9.03	3.81	6.20
24	8.26	2.72	5.41	9.33	3.54	6.29	9.10	3.91	6.56	8.64	3.88	6.43
25	8.25	2.94	5.58	9.25	3.84	6.38	9.06	4.02	6.68	8.72	3.85	6.53
26	8.90	3.65	6.32	8.72	3.63	6.19	8.74	3.60	6.47	8.69	3.67	6.29
27	9.42	3.22	6.48	9.02	4.00	6.69	9.12	4.01	6.70	8.60	3.58	6.16
28	9.02	3.20	6.10	9.57	3.77	6.92	9.15	3.82	6.72	9.13	3.73	6.42
29	---	---	---	9.08	3.45	6.60	9.05	3.35	6.41	8.70	3.35	6.05
30	---	---	---	---	---	---	9.15	3.20	6.26	8.98	3.47	6.12
31	---	---	---	8.68	3.02	5.93	---	---	---	8.73	3.33	5.98
MONTH	9.54	1.84	5.64	---	---	---	10.69	2.24	6.39	10.61	2.18	6.21

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	9.36	3.08	6.03	8.91	2.53	5.67	8.87	2.66	5.77
2	---	---	---	8.62	3.01	5.95	8.78	2.71	5.80	8.92	2.77	5.78
3	---	---	---	8.45	2.80	5.46	8.47	2.75	5.75	8.92	2.87	5.80
4	---	---	---	8.43	2.62	5.45	8.39	2.71	5.49	9.05	3.11	5.98
5	---	---	---	8.35	2.90	5.55	8.55	2.47	5.49	9.45	3.20	6.26
6	8.80	3.64	6.06	8.25	2.81	5.48	8.72	2.42	5.48	10.05	4.04	7.08
7	8.93	3.40	5.97	8.27	2.52	5.40	9.09	2.56	5.67	10.02	3.96	7.02
8	8.38	2.99	5.68	8.47	2.28	5.41	9.30	2.67	5.87	10.00	3.70	7.04
9	8.57	2.57	5.72	---	---	---	9.31	2.13	5.75	10.18	3.95	7.11
10	9.18	2.81	6.10	---	---	---	9.21	1.87	5.49	9.93	3.97	7.10
11	9.57	2.53	6.17	9.43	1.86	5.65	9.08	2.14	5.60	10.02	4.34	7.34
12	9.81	2.22	6.13	9.48	1.55	5.56	9.11	2.35	5.73	9.84	4.13	7.18
13	9.73	1.96	5.90	9.37	2.09	5.74	9.17	2.52	5.82	9.20	3.94	6.67
14	9.87	2.00	5.89	9.21	1.93	5.64	8.86	2.78	5.95	9.23	3.78	6.66
15	9.72	2.04	5.77	9.18	2.38	5.78	8.48	2.78	5.82	9.03	4.13	6.69
16	9.52	2.28	5.76	8.89	2.61	5.74	8.34	3.00	5.79	9.05	4.31	6.80
17	9.43	2.95	6.14	8.48	2.61	5.58	8.03	2.82	5.60	9.35	5.18	7.13
18	9.31	3.24	6.28	8.26	2.74	5.72	7.95	2.97	5.58	8.74	4.98	6.74
19	9.23	3.09	6.07	8.22	2.78	5.53	8.20	3.66	5.95	8.15	3.96	6.09
20	8.61	3.50	6.01	7.93	3.04	5.73	8.29	3.99	6.12	8.59	4.19	6.35
21	8.89	3.79	6.58	8.20	3.46	5.89	8.30	3.87	6.05	9.17	4.58	6.79
22	8.84	4.06	6.56	7.71	2.90	5.40	8.26	3.73	5.84	9.56	4.40	7.01
23	8.74	3.87	6.43	7.57	2.72	5.12	8.15	3.34	5.64	9.55	3.46	6.73
24	8.53	3.58	6.21	7.86	2.82	5.23	8.72	3.14	5.93	10.17	3.98	7.15
25	8.59	3.57	6.15	8.04	3.16	5.58	9.14	3.33	6.31	10.39	3.64	7.25
26	8.73	3.53	6.10	8.51	3.06	5.73	9.26	2.89	6.18	10.27	3.57	7.18
27	8.85	3.27	6.01	8.73	2.94	5.76	9.26	2.56	6.02	10.37	3.69	7.19
28	8.99	3.38	6.11	8.67	2.36	5.50	9.22	2.35	5.85	10.37	3.41	6.94
29	8.83	2.97	5.88	8.97	2.48	5.57	9.29	2.44	5.93	10.32	3.47	6.85
30	8.99	3.22	5.96	8.97	2.45	5.62	9.05	2.58	5.99	10.09	3.68	6.85
31	---	---	---	8.85	2.43	5.61	8.96	2.56	5.81	---	---	---
MONTH	---	---	---	---	---	---	9.31	1.87	5.81	10.39	2.66	6.75