

Water-Data Report 2006

02479330 PASCAGOULA RIVER AT CUMBEST BLUFF, MS

Pascagoula Basin
Pascagoula Subbasin

LOCATION.--Lat 30°35'02", long 88°34'12" referenced to North American Datum of 1983, in NE ¼ sec.27, T.5 S., R.6 W., Jackson County, MS, Hydrologic Unit 03170006, St. Stephens Meridian, 4 mi north of intersection of State Highways 63 and 613 and at mile 25.4.

DRAINAGE AREA.--8,222 mi².

SURFACE-WATER RECORDS

GAGE.--Submersible transducer and data-collection platform. Datum of gage is 25.0 ft above NGVD of 1929. Water-quality monitor since June 2003.

EXTREMES FOR CURRENT YEAR.--

GAGE HEIGHT: Maximum recorded, 7.65 ft, Feb. 15, 2006, but may have been higher during periods of instrument malfunction; minimum recorded, -0.40 ft, Nov. 17, 2005, but may have been lower during periods of instrument malfunction.

SPECIFIC CONDUCTANCE: Maximum recorded, 121 microsiemens, Dec. 11, 2005, but may have been higher during periods of instrument malfunction; minimum recorded, 57 microsiemens, Feb. 15, 2006, but may have been lower during periods of instrument malfunction.

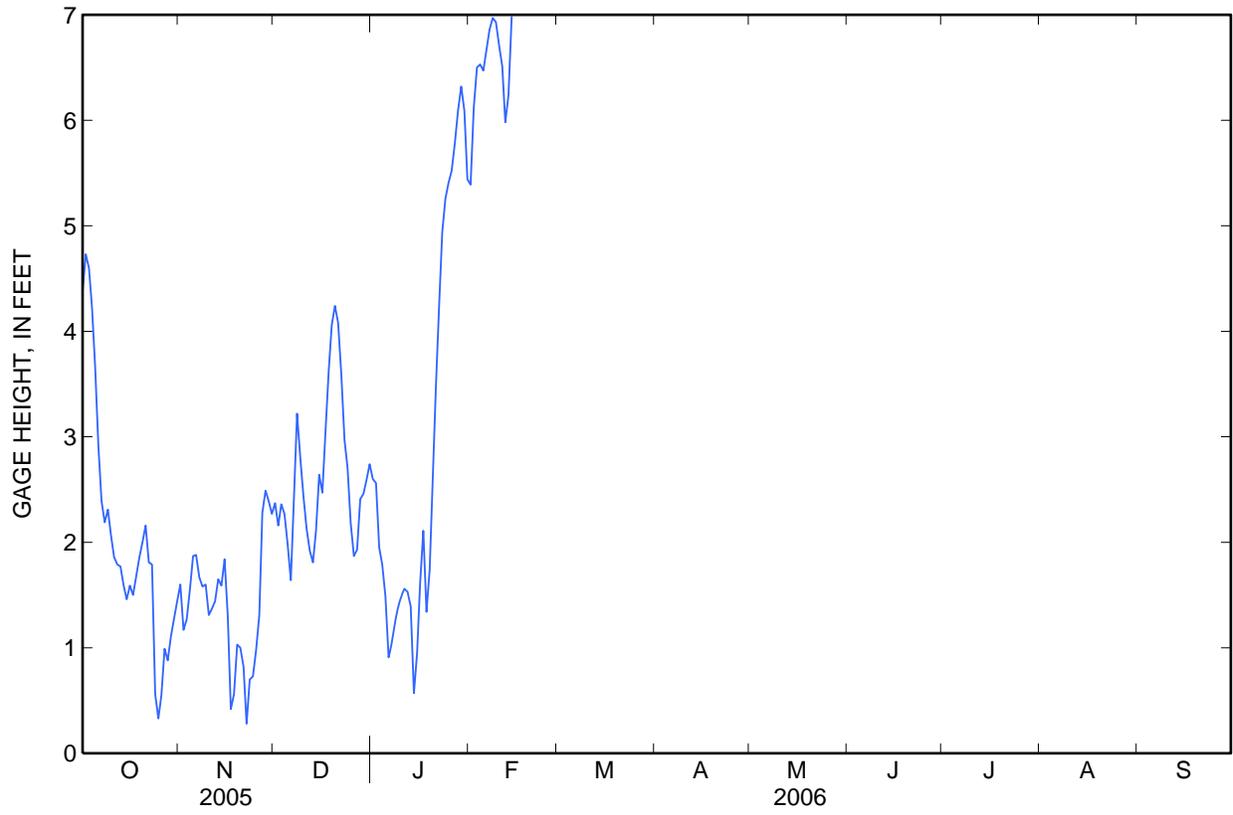
WATER TEMPERATURE: Maximum recorded, 27.9 °C, Oct. 1, 2005, but may have been higher during periods of instrument malfunction; minimum recorded, 8.3 °C, Dec. 23, 2005, but may have been lower during periods of instrument malfunction.

02479330 PASCAGOULA RIVER AT CUMBEST BLUFF, MS—Continued

(DCP ID: DD6DD08C)
 GAGE HEIGHT, FEET
 WATER YEAR OCTOBER 2005 TO FEBRUARY 2006
 DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.38	1.60	2.37	2.60	5.39	---	---	---	---	---	---	---
2	4.73	1.17	2.16	2.56	6.12	---	---	---	---	---	---	---
3	4.60	1.27	2.36	1.95	6.50	---	---	---	---	---	---	---
4	4.23	1.55	2.27	1.79	6.53	---	---	---	---	---	---	---
5	3.66	1.87	1.98	1.49	6.47	---	---	---	---	---	---	---
6	2.92	1.88	1.64	0.91	6.66	---	---	---	---	---	---	---
7	2.39	1.67	2.44	1.04	6.86	---	---	---	---	---	---	---
8	2.19	1.58	3.22	1.25	6.97	---	---	---	---	---	---	---
9	2.31	1.60	2.81	1.38	6.93	---	---	---	---	---	---	---
10	2.07	1.31	2.44	1.48	6.71	---	---	---	---	---	---	---
11	1.86	1.37	2.13	1.56	6.51	---	---	---	---	---	---	---
12	1.79	1.44	1.92	1.53	5.98	---	---	---	---	---	---	---
13	1.77	1.65	1.81	1.39	6.24	---	---	---	---	---	---	---
14	1.59	1.59	2.11	0.57	6.98	---	---	---	---	---	---	---
15	1.46	1.84	2.64	0.95	---	---	---	---	---	---	---	---
16	1.59	1.30	2.47	1.61	---	---	---	---	---	---	---	---
17	1.50	0.42	3.06	2.11	---	---	---	---	---	---	---	---
18	1.68	0.56	3.63	1.34	---	---	---	---	---	---	---	---
19	1.86	1.03	4.06	1.74	---	---	---	---	---	---	---	---
20	2.00	1.00	4.24	2.63	---	---	---	---	---	---	---	---
21	2.16	0.82	4.08	3.47	---	---	---	---	---	---	---	---
22	1.81	0.28	3.59	4.23	---	---	---	---	---	---	---	---
23	1.79	0.70	2.97	4.94	---	---	---	---	---	---	---	---
24	0.56	0.73	2.71	5.26	---	---	---	---	---	---	---	---
25	0.33	0.98	2.18	5.41	---	---	---	---	---	---	---	---
26	0.55	1.31	1.87	5.52	---	---	---	---	---	---	---	---
27	0.99	2.28	1.93	5.78	---	---	---	---	---	---	---	---
28	0.88	2.49	2.41	6.09	---	---	---	---	---	---	---	---
29	1.11	2.39	2.46	6.32	---	---	---	---	---	---	---	---
30	1.28	2.27	2.59	6.09	---	---	---	---	---	---	---	---
31	1.44	---	2.74	5.44	---	---	---	---	---	---	---	---
Mean	2.05	1.40	2.62	2.92	---	---	---	---	---	---	---	---
Max	4.73	2.49	4.24	6.32	---	---	---	---	---	---	---	---
Min	0.33	0.28	1.64	0.57	---	---	---	---	---	---	---	---
Med	1.79	1.40	2.44	1.95	---	---	---	---	---	---	---	---

02479330 PASCAGOULA RIVER AT CUMBEST BLUFF, MS—Continued



02479330 PASCAGOULA RIVER AT CUMBEST BLUFF, MS—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1958, 1961-62, 1964, 1970-73, 1997, 2003 to current year.

PERIOD OF DAILY RECORD.--

GAGE HEIGHT: June 2003 to current year.

SPECIFIC CONDUCTANCE: July 2003 to February 2006.

WATER TEMPERATURE: June 2003 to February 2006.

REMARKS.--Gage height records good. Specific conductance records good. Water temperature records good. Interruptions in the record were due to malfunction of the instruments.

EXTREMES FOR PERIOD OF DAILY RECORD.--

GAGE HEIGHT: Maximum recorded, 13.13 ft, Apr. 6, 2005, but may have been higher during periods of instrument malfunction; minimum recorded, -0.40 ft, Nov. 17, 2005, but may have been lower during periods of instrument malfunction.

SPECIFIC CONDUCTANCE: Maximum recorded, 126 microsiemens, Sept. 2, 2005, but may have been higher during periods of instrument malfunction; minimum recorded, 36 microsiemens, on several days during February 2004, and July 8, 2005, but may have been lower during periods of instrument malfunction.

WATER TEMPERATURE: Maximum recorded, 32.5 °C, Aug. 20, 2005, but may have been higher during periods of instrument malfunction; minimum recorded, 7.0 °C, Dec. 27, 2004, but may have been lower during periods of instrument malfunction.

EXTREMES FOR CURRENT YEAR.--

GAGE HEIGHT: Maximum recorded, 7.65 ft, Feb. 15, 2006, but may have been higher during periods of instrument malfunction; minimum recorded, -0.40 ft, Nov. 17, 2005, but may have been lower during periods of instrument malfunction.

SPECIFIC CONDUCTANCE: Maximum recorded, 121 microsiemens, Dec. 11, 2005, but may have been higher during periods of instrument malfunction; minimum recorded, 57 microsiemens, Feb. 15, 2006, but may have been lower during periods of instrument malfunction.

WATER TEMPERATURE: Maximum recorded, 27.9 °C, Oct. 1, 2005, but may have been higher during periods of instrument malfunction; minimum recorded, 8.3 °C, Dec. 23, 2005, but may have been lower during periods of instrument malfunction.

02479330 PASCAGOULA RIVER AT CUMBEST BLUFF, MS—Continued

(DCP ID: DD6DD08C)
 SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
 WATER YEAR OCTOBER 2005 TO FEBRUARY 2006

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	95	76	113	105	96	82	85	80	78	69	---	---
2	90	78	113	101	94	78	85	82	72	69	---	---
3	89	81	117	102	85	77	88	81	70	65	---	---
4	87	79	118	103	103	78	89	85	67	65	---	---
5	86	77	117	95	96	89	90	86	69	66	---	---
6	87	81	101	86	95	88	92	89	69	65	---	---
7	86	80	113	86	92	88	93	91	68	67	---	---
8	94	86	114	98	89	83	92	86	68	65	---	---
9	96	88	114	101	89	84	94	91	67	65	---	---
10	97	88	112	103	91	81	96	89	75	66	---	---
11	104	89	113	105	121	81	98	90	75	67	---	---
12	109	98	111	105	114	85	99	93	84	69	---	---
13	112	100	108	103	90	83	99	91	70	61	---	---
14	110	100	113	102	89	82	102	89	64	58	---	---
15	108	103	115	105	89	84	102	91	---	---	---	---
16	112	102	111	104	89	83	98	88	---	---	---	---
17	111	101	109	103	92	79	91	89	---	---	---	---
18	111	99	109	103	81	74	91	85	---	---	---	---
19	115	99	108	102	83	78	89	86	---	---	---	---
20	115	100	106	101	81	77	92	88	---	---	---	---
21	115	101	107	100	84	78	91	77	---	---	---	---
22	116	102	109	107	91	82	86	77	---	---	---	---
23	114	102	112	109	91	82	84	77	---	---	---	---
24	108	102	111	107	91	77	78	69	---	---	---	---
25	112	101	109	102	88	77	72	70	---	---	---	---
26	114	104	107	102	83	78	74	71	---	---	---	---
27	111	104	107	104	83	77	77	73	---	---	---	---
28	111	108	106	101	85	78	75	70	---	---	---	---
29	113	110	106	86	84	78	70	69	---	---	---	---
30	116	103	101	80	83	79	81	69	---	---	---	---
31	116	102	---	---	86	79	85	77	---	---	---	---
Month	116	76	118	80	121	74	102	69	---	---	---	---

02479330 PASCAGOULA RIVER AT CUMBEST BLUFF, MS—Continued

(DCP ID: DD6DD08C)
TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2005 TO FEBRUARY 2006

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	27.9	27.3	17.2	16.6	15.8	14.8	13.4	12.3	14.2	13.8	---	---
2	27.8	27.2	17.5	16.6	14.8	13.7	15.1	13.4	14.4	13.8	---	---
3	27.7	27.3	17.7	16.6	14.2	13.6	15.8	15.0	14.6	14.3	---	---
4	27.7	27.1	17.9	17.2	15.0	14.1	15.8	15.2	14.6	14.1	---	---
5	27.7	27.0	18.2	17.7	15.2	14.5	16.1	14.9	14.1	13.4	---	---
6	27.3	26.8	18.9	18.0	14.5	13.5	14.9	13.1	13.4	13.1	---	---
7	26.8	25.7	19.9	18.7	13.5	12.6	13.1	12.0	13.4	13.1	---	---
8	25.7	24.8	21.0	19.8	12.6	12.1	12.0	11.4	13.1	12.6	---	---
9	25.1	24.2	21.6	20.6	12.1	11.0	12.1	11.4	12.6	12.2	---	---
10	24.7	23.8	21.8	21.1	11.0	10.6	12.9	11.9	12.2	11.7	---	---
11	24.7	23.6	21.3	20.5	10.8	10.3	14.0	12.8	12.0	11.6	---	---
12	24.6	23.7	20.5	19.8	10.5	10.1	14.7	13.8	11.6	10.9	---	---
13	24.8	23.8	20.0	19.3	10.4	9.9	16.2	14.4	10.9	10.3	---	---
14	25.0	24.0	19.9	19.4	10.6	10.0	14.8	14.0	10.3	9.9	---	---
15	24.8	24.0	20.6	19.6	12.3	10.6	14.0	13.2	---	---	---	---
16	24.5	23.6	20.5	19.3	11.8	11.3	13.2	12.9	---	---	---	---
17	23.9	23.0	19.3	17.5	11.6	11.0	13.4	12.6	---	---	---	---
18	23.3	22.4	17.5	15.8	11.0	10.6	12.7	12.2	---	---	---	---
19	23.0	22.1	15.8	14.9	10.7	10.1	12.4	11.8	---	---	---	---
20	23.0	22.0	14.9	14.2	10.1	9.5	12.4	12.1	---	---	---	---
21	23.3	22.2	14.5	13.7	9.5	9.0	12.9	12.4	---	---	---	---
22	23.5	22.6	14.5	13.2	9.0	8.6	14.1	12.9	---	---	---	---
23	23.1	22.1	13.5	12.7	8.9	8.3	14.9	14.1	---	---	---	---
24	22.3	20.3	14.0	12.9	9.5	8.6	15.4	14.9	---	---	---	---
25	20.3	19.0	14.1	13.2	9.9	9.4	15.2	14.7	---	---	---	---
26	19.0	18.0	14.6	13.8	10.2	9.5	14.7	13.8	---	---	---	---
27	18.4	17.5	16.0	14.6	10.5	9.8	13.8	13.4	---	---	---	---
28	17.9	16.9	17.2	15.9	11.3	10.3	13.6	13.3	---	---	---	---
29	17.5	16.5	17.4	16.7	11.6	10.9	14.3	13.6	---	---	---	---
30	17.2	16.2	16.7	15.8	12.0	11.2	14.7	14.2	---	---	---	---
31	17.0	16.2	---	---	12.5	11.9	14.5	14.1	---	---	---	---
Month	27.9	16.2	21.8	12.7	15.8	8.3	16.2	11.4	---	---	---	---