Water-Data Report 2012

02475500 CHUNKY RIVER NEAR CHUNKY, MS

Pascagoula Basin
Chunky-Okatibbee Subbasin

LOCATION.--Lat 32°19′34″, long 88°54′33″ referenced to North American Datum of 1983, in NW ¼ NE ¼ NW ¼ sec.31, T.6 N., R.14 E., Lauderdale County, MS, Hydrologic Unit 03170001, Choctaw Meridian, on right bank at downstream side of bridge on U.S. Highway 80, 2,500 ft upstream from Illinois Central and Gulf Railroad bridge, 1.2 mi east of Chunky, 3.2 mi upstream from Tallahatta Creek, and 5.5 mi downstream from Concobona Creek. Approximately 2 miles from Chunky,Ms. next to a fish resturant. A boat ramp is also located under the bridge. Parking can be done in the vivinity of the gage on the shoulder or under the bridge.

DRAINAGE AREA.--369 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 1938 to current year. Prior to October 1963, published as Chunky Creek near Chunky.

REVISED RECORDS.--WSP 1724: 1950(M). WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 269.00 ft above NGVD of 1929. Prior to Mar. 24, 1939, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Satellite telemeter and National Weather Service telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 23	1945	*13,400	*21.43
Jul 23	0230	5,270	12.15

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 02475500, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/02475500.2012.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	110	32	84	235	474	664	246	51	286	20	90	4,680
2	80	32	69	192	886	451	223	60	321	19	82	3,700
3	65	30	62	165	910	919	218	65	140	16	75	1,670
4	56	29	58	146	2,200	1,240	215	58	90	15	71	721
5	50	33	56	133	2,560	646	198	56	77	14	74	417
6	45	37	61	127	2,150	400	196	50	90	21	125	297
7	42	37	93	121	976	314	186	50	87	19	350	243
8	39	36	110	144	575	275	157	106	109	17	238	196
9	37	33	103	211	433	880	137	140	85	17	124	168
10	35	31	84	464	349	1,520	123	112	115	25	241	147
11	34	31	76	960	304	927	113	77	115	69	347	126
12	35	30	69	640	269	525	108	316	1,470	730	544	111
13	42	31	63	333	244	447	104	2,070	1,280	1,180	269	100
14	49	30	63	232	474	374	95	1,750	1,050	634	237	92
15	49	31	61	192	780	312	89	583	980	257	166	85
16	43	54	63	168	1,380	274	83	236	229	215	118	80
17	39	76	69	168	1,780	241	88	163	140	153	167	82
18	35	83	73	218	1,530	217	190	125	108	103	308	672
19	31	69	71	248	2,750	199	243	99	90	780	1,230	1,140
20	29	55	66	204	2,760	182	159	86	71	3,150	1,340	731
21	32	49	64	206	2,170	175	119	81	58	4,910	602	287
22	30	50	67	317	806	2,610	101	76	52	4,300	259	187
23	29	57	112	749	563	9,680	89	66	47	4,150	174	148
24	29	83	140	1,650	464	10,000	80	61	42	1,420	131	123
25	29	80	224	861	363	4,710	73	55	37	396	105	107
26	28	72	773	1,640	293	1,540	68	50	33	253	91	96
27	27	114	2,220	2,570	265	697	64	47	32	193	84	87
28	27	191	2,270	2,090	295	503	60	43	28	172	75	82
29	28	156	1,470	843	847	397	57	39	25	156	74	80
30	29	110	493	448	---	330	55	36	23	121	2,370	170
31	31	---	309	342	---	283	---	47	---	103	3,640	---
Total	1,264	1,782	9,596	17,017	29,850	41,932	3,937	6,854	7,310	23,628	13,801	16,825
Mean	40.8	59.4	310	549	1,029	1,353	131	221	244	762	445	561
Max	110	191	2,270	2,570	2,760	10,000	246	2,070	1,470	4,910	3,640	4,680
Min	27	29	56	121	244	175	55	36	23	14	71	80
Med	35	43	73	235	780	451	111	66	90	156	167	158
Cfsm	0.11	0.16	0.84	1.49	2.79	3.67	0.36	0.60	0.66	2.07	1.21	1.52
In.	0.13	0.18	0.97	1.72	3.01	4.23	0.40	0.69	0.74	2.38	1.39	1.70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	121	271	547	827	1,080	1,097	924	427	189	227	125	120
Max	1,162	1,854	2,741	2,608	3,449	2,890	3,223	2,072	617	1,671	725	751
(WY)	(2003)	(1949)	(1962)	(1998)	(1990)	(1980)	(2003)	(1991)	(1983)	(1940)	(1975)	(1979)
Min	3.45	16.8	74.0	131	83.0	127	82.7	41.5	18.3	6.48	9.21	3.08
(WY)	(2001)	(1964)	(1939)	(2008)	(2000)	(2007)	(2007)	(1963)	(1988)	(2000)	(2000)	(1954)

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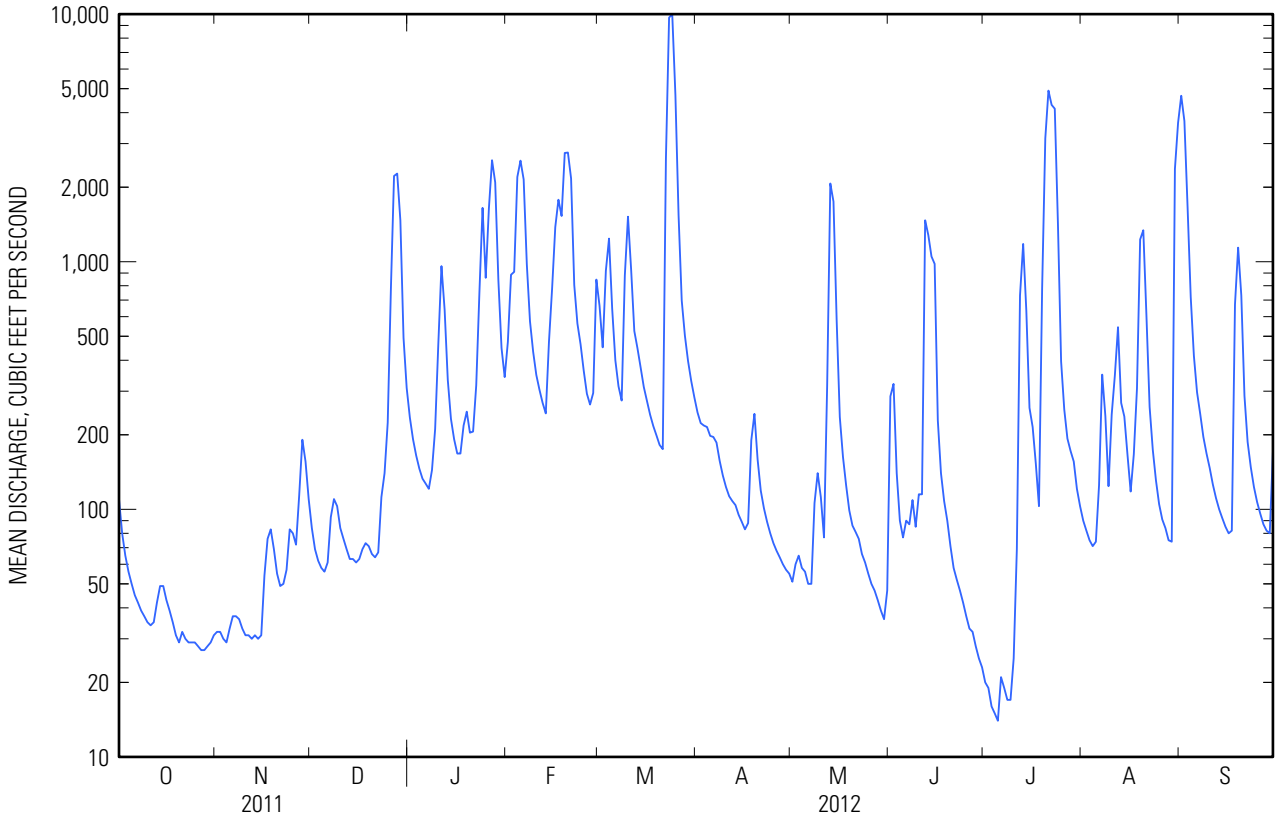
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1938 - 2012	
Annual total	107,301.7		173,796			
Annual mean	294		475		493	
Highest annual mean					1,076	2003
Lowest annual mean					118	2000
Highest daily mean	7,440	Mar 11	10,000	Mar 24	34,700	Apr 8, 2003
Lowest daily mean	5.2	Sep 2	14	Jul 5	0.99	Sep 11, 2000
Annual seven-day minimum	7.0	Aug 28	17	Jul 3	1.1	Sep 5, 2000
Maximum peak flow			13,400	Mar 23	42,700	Apr 8, 2003
Maximum peak stage			21.43	Mar 23	27.33	Apr 8, 2003
Instantaneous low flow			13	Jul 5[a]	0.99	Sep 9, 2000
Annual runoff (cfsm)	0.797		1.29		1.34	
Annual runoff (inches)	10.82		17.52		18.16	
10 percent exceeds	715		1,300		1,230	
50 percent exceeds	88		124		160	
90 percent exceeds	19		32		24	

[a] Also July 9.



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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.81	2.23	2.72	3.43	4.10	4.53	3.47	2.49	3.46	2.13	2.74	11.39
2	2.63	2.23	2.64	3.27	4.97	4.07	3.38	2.56	3.65	2.10	2.69	9.83
3	2.53	2.21	2.59	3.15	5.00	5.01	3.36	2.60	2.99	2.07	2.64	6.34
4	2.46	2.20	2.56	3.06	7.28	5.62	3.35	2.55	2.74	2.04	2.61	4.61
5	2.41	2.24	2.54	3.00	7.85	4.49	3.28	2.53	2.65	2.03	2.63	3.95
6	2.37	2.28	2.58	2.97	7.19	3.94	3.27	2.48	2.74	2.14	2.92	3.61
7	2.33	2.28	2.80	2.95	5.13	3.70	3.23	2.48	2.72	2.11	3.74	3.42
8	2.31	2.27	2.89	3.05	4.35	3.57	3.10	2.85	2.84	2.08	3.38	3.24
9	2.28	2.24	2.86	3.34	4.03	4.92	3.01	3.03	2.71	2.07	2.92	3.12
10	2.26	2.22	2.75	4.09	3.81	6.12	2.94	2.89	2.86	2.19	3.40	3.03
11	2.25	2.22	2.69	5.12	3.67	5.04	2.90	2.68	2.87	2.55	3.68	2.93
12	2.26	2.21	2.64	4.49	3.55	4.24	2.87	3.30	5.99	4.56	4.25	2.86
13	2.33	2.22	2.60	3.76	3.46	4.06	2.85	7.03	5.67	5.48	3.51	2.80
14	2.40	2.20	2.59	3.42	4.08	3.88	2.80	6.49	5.26	4.42	3.40	2.75
15	2.40	2.22	2.59	3.26	4.77	3.70	2.76	4.29	5.11	3.47	3.11	2.71
16	2.35	2.44	2.60	3.16	5.86	3.57	2.73	3.40	3.35	3.32	2.89	2.67
17	2.30	2.61	2.64	3.16	6.56	3.45	2.75	3.10	2.99	3.05	3.10	2.69
18	2.26	2.66	2.67	3.37	6.13	3.36	3.22	2.93	2.84	2.82	3.61	4.26
19	2.22	2.56	2.66	3.48	8.18	3.28	3.45	2.79	2.74	4.44	5.57	5.42
20	2.20	2.45	2.62	3.31	8.19	3.21	3.11	2.71	2.61	8.88	5.78	4.62
21	2.23	2.40	2.60	3.32	7.21	3.18	2.93	2.68	2.52	11.68	4.35	3.57
22	2.21	2.41	2.63	3.72	4.81	7.93	2.83	2.65	2.47	10.81	3.48	3.20
23	2.20	2.47	2.89	4.59	4.32	17.21	2.76	2.58	2.42	10.48	3.15	3.03
24	2.20	2.66	3.04	6.15	4.10	17.80	2.71	2.54	2.37	5.89	2.95	2.92
25	2.20	2.63	3.36	4.83	3.85	11.30	2.66	2.49	2.32	3.89	2.82	2.84
26	2.19	2.58	4.75	6.25	3.63	6.12	2.63	2.45	2.28	3.46	2.74	2.77
27	2.18	2.82	7.30	7.86	3.53	4.60	2.59	2.42	2.27	3.23	2.70	2.72
28	2.18	3.18	7.40	7.08	3.63	4.19	2.57	2.38	2.23	3.14	2.65	2.69
29	2.19	3.05	6.02	4.87	4.89	3.94	2.54	2.34	2.19	3.07	2.64	2.68
30	2.20	2.85	4.17	4.06	---	3.75	2.52	2.31	2.16	2.91	7.36	3.06
31	2.22	---	3.69	3.78	---	3.60	---	2.42	---	2.81	9.73	---
Mean	2.31	2.44	3.26	4.04	5.11	5.40	2.95	2.98	3.07	4.04	3.65	3.86
Max	2.81	3.18	7.40	7.86	8.19	17.80	3.47	7.03	5.99	11.68	9.73	11.39
Min	2.18	2.20	2.54	2.95	3.46	3.18	2.52	2.31	2.16	2.03	2.61	2.67

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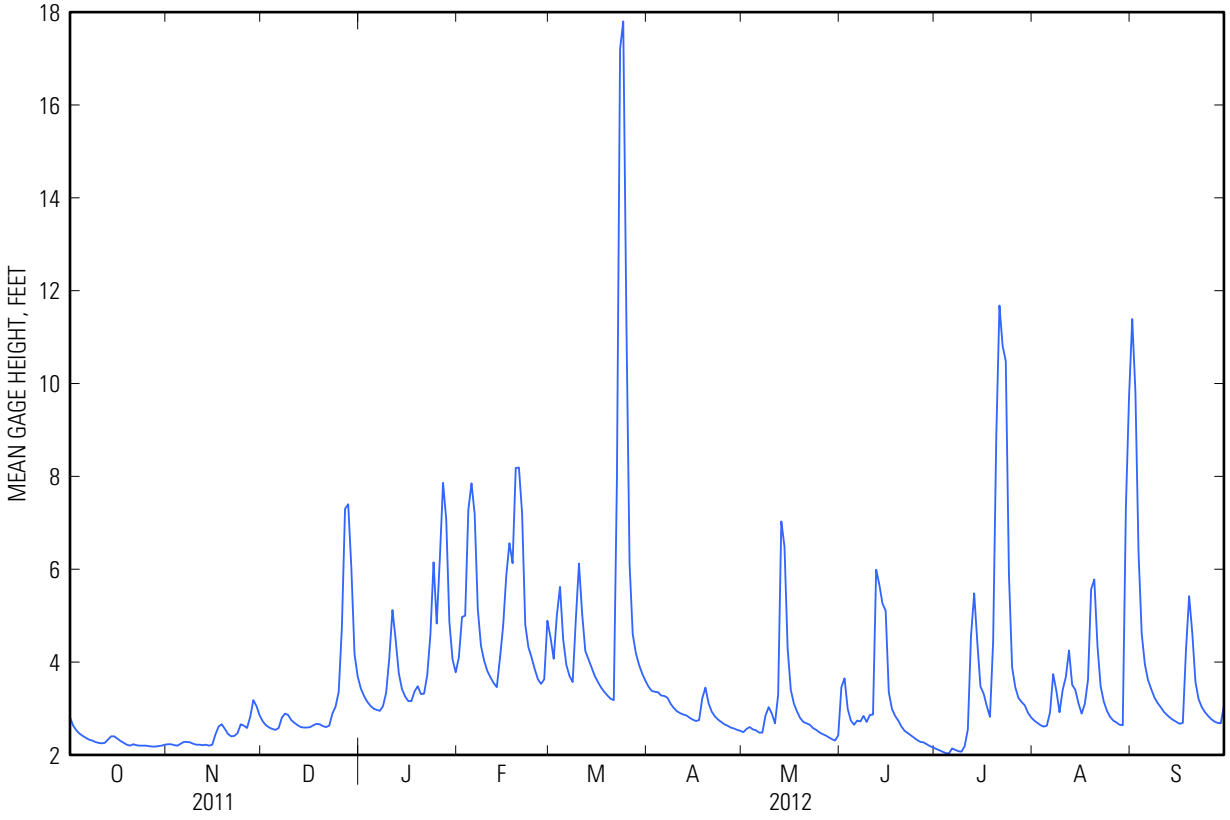

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WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

[NTRU, nephelometric turbidity ratio unit; ft, feet; ft³/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data]

Date	Sample start time	Discharge, instantaneous, ft³/s (00061)	Specific conductance, water, unfiltered, µS/cm at 25°C (00095)	Temperature, water, °C (00010)	Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676)	Gage height, ft (00065)	Suspended sediment concentration, mg/L (80154)
10-17-2011	**1330**	37	83	21.0	7.0	2.29	8
12-14-2011	**0935**	62	--	--	9.0	2.59	21