Water-Data Report 2012

05595765 BIG MUDDY SUBIMPOUNDMENT NEAR WALTONVILLE, IL

Upper Mississippi-Meramec Basin
Big Muddy Subbasin

LOCATION.--Lat 38°10′34″, long 89°00′23″ referenced to North American Datum of 1983, in SE ¼ NE ¼ sec.17, T.4 S., R.2 E., Jefferson County, IL, Hydrologic Unit 07140106, at west end of Subimpoundment dam, about 2.5 miles south of State Highway 148, 2.5 miles southeast of Waltonville and about 10 miles upstream from Rend Lake Dam.

DRAINAGE AREA.--217 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--
STAGE: November 1983 to current year.

GAGE.--Water-stage recorder, U.S. Army Corps of Engineers satellitetelemeter, and crest-stage gage. Datum of gage is 400.00 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers) (399.66 ft NAVD 1988).

EXTREMES FOR PERIOD OF RECORD.--
STAGE: Maximum gage height, 14.46 ft, Nov. 15, 1993; minimum, 4.07 ft, Jan. 12, 1990.

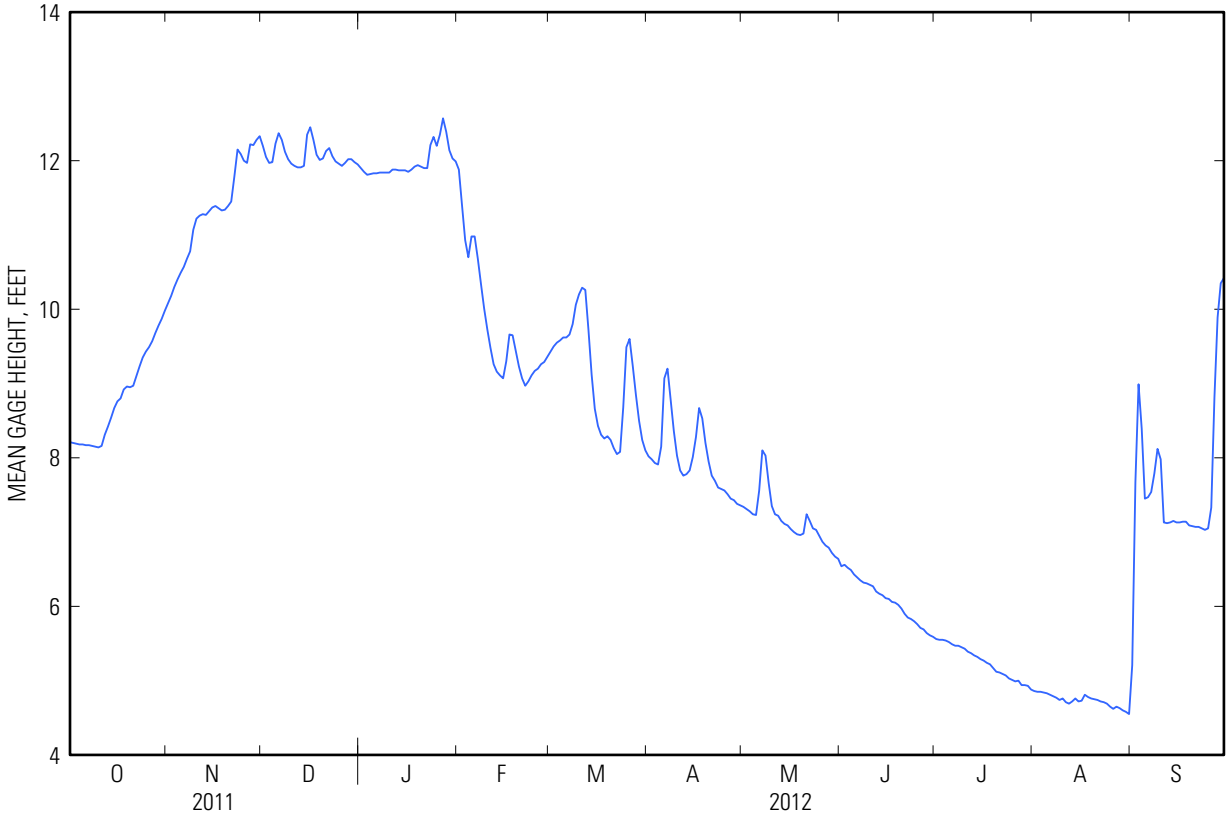
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.61 ft, Jan. 27; minimum, 4.47 ft, Aug. 31.

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 05595765, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/05595765.2012.pdf

05595765 BIG MUDDY SUBIMPOUNDMENT NEAR WALTONVILLE, IL—Continued

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	8.21	10.08	12.20	11.90	11.88	9.43	8.02	7.34	6.54	5.56	4.86	5.21
2	8.20	10.18	12.05	11.85	11.40	9.50	7.98	7.31	6.56	5.55	4.85	7.67
3	8.19	10.30	11.97	11.81	10.93	9.55	7.93	7.28	6.52	5.55	4.85	8.99
4	8.18	10.40	11.98	11.82	10.70	9.58	7.91	7.24	6.49	5.54	4.84	8.39
5	8.18	10.49	12.23	11.83	10.98	9.62	8.15	7.23	6.43	5.52	4.83	7.45
6	8.17	10.57	12.37	11.83	10.98	9.62	9.07	7.56	6.39	5.49	4.81	7.47
7	8.17	10.68	12.28	11.84	10.68	9.66	9.20	8.10	6.35	5.47	4.79	7.54
8	8.16	10.78	12.12	11.84	10.34	9.80	8.78	8.03	6.32	5.47	4.77	7.79
9	8.15	11.07	12.02	11.84	10.01	10.06	8.36	7.66	6.31	5.45	4.74	8.12
10	8.14	11.22	11.96	11.84	9.73	10.20	8.03	7.35	6.29	5.43	4.76	7.98
11	8.16	11.26	11.93	11.88	9.48	10.29	7.83	7.24	6.27	5.39	4.71	7.13
12	8.31	11.28	11.91	11.88	9.26	10.26	7.76	7.22	6.20	5.37	4.69	7.12
13	8.42	11.27	11.91	11.87	9.16	9.72	7.78	7.15	6.17	5.34	4.72	7.13
14	8.54	11.32	11.93	11.87	9.11	9.12	7.83	7.11	6.15	5.32	4.76	7.15
15	8.67	11.37	12.35	11.87	9.07	8.66	8.01	7.09	6.11	5.29	4.72	7.13
16	8.76	11.39	12.45	11.85	9.30	8.43	8.28	7.04	6.10	5.27	4.73	7.13
17	8.80	11.36	12.28	11.88	9.66	8.31	8.67	7.00	6.06	5.24	4.81	7.14
18	8.92	11.33	12.08	11.92	9.65	8.26	8.53	6.97	6.05	5.22	4.78	7.14
19	8.96	11.34	12.01	11.94	9.44	8.29	8.20	6.96	6.02	5.17	4.76	7.09
20	8.95	11.39	12.03	11.92	9.23	8.24	7.95	6.98	5.97	5.12	4.75	7.08
21	8.97	11.45	12.13	11.90	9.07	8.13	7.76	7.24	5.90	5.11	4.74	7.07
22	9.10	11.79	12.17	11.90	8.97	8.05	7.69	7.15	5.85	5.09	4.72	7.07
23	9.23	12.15	12.06	12.21	9.03	8.08	7.60	7.05	5.83	5.07	4.71	7.05
24	9.35	12.09	11.99	12.32	9.11	8.68	7.58	7.03	5.80	5.03	4.69	7.03
25	9.43	12.00	11.96	12.20	9.17	9.49	7.56	6.95	5.76	5.01	4.65	7.05
26	9.49	11.97	11.93	12.35	9.20	9.60	7.51	6.87	5.71	4.99	4.62	7.33
27	9.57	12.22	11.97	12.57	9.26	9.24	7.45	6.82	5.69	5.00	4.65	8.81
28	9.68	12.21	12.02	12.39	9.29	8.85	7.43	6.79	5.64	4.94	4.63	9.89
29	9.78	12.28	12.02	12.14	9.36	8.50	7.38	6.72	5.61	4.94	4.60	10.35
30	9.87	12.33	11.98	12.03	---	8.24	7.36	6.67	5.59	4.93	4.58	10.42
31	9.98	---	11.95	11.99	---	8.10	---	6.64	---	4.88	4.55	---
Mean	8.80	11.32	12.07	11.98	9.77	9.08	7.99	7.15	6.09	5.25	4.73	7.66
Max	9.98	12.33	12.45	12.57	11.88	10.29	9.20	8.10	6.56	5.56	4.86	10.42
Min	8.14	10.08	11.91	11.81	8.97	8.05	7.36	6.64	5.59	4.88	4.55	5.21

	Calendar Year 2011	Water Year 2012
Mean	10.21	8.49
Max	13.41	12.57
Min	7.59	4.55

05595765 BIG MUDDY SUBIMPOUNDMENT NEAR WALTONVILLE, IL—Continued