02414500 TALLAPOOSA RIVER AT WADLEY, AL

Coosa-Tallapoosa Basin
Middle Tallapoosa Subbasin

LOCATION.--Lat 33°07′00″, long 85°33′39″ referenced to North American Datum of 1927, Randolph County, AL, Hydrologic Unit 03150109, on left bank 50 ft upstream of bridge on State Highway 22, 1 mi downstream of Beaver Dam Creek, and at mile 125.3.

DRAINAGE AREA.--1,675 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 1923 to current year.

REVISED RECORDS.-- WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 599.87 ft above NGVD of 1929. June 17, 1959, to Sept. 30, 1970, nonrecording gage at same site and datum. Prior to June 17, 1959, at site 0.2 mi upstream at datum 1.46 ft higher.

REMARKS.--No estimated daily discharge. Record good. Flow regulated since 1982 by Harris Reservoir (station 02412950). Period subsequent to October 1, 1983 is used for monthly statistics.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 125,000 ft^3/s, May 8, 2003, gage height, 37.30 ft; minimum daily discharge, 45 ft^3/s, Oct. 2-4, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20,000 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 23	1130	*22,100	*14.23
Feb 4	2230	20,100	13.35

Minimum discharge, 68 ft^3/s, Aug. 8, gage height, 2.07 ft.

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 02414500, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/02414500.2012.pdf

02414500 TALLAPOOSA RIVER AT WADLEY, AL—Continued

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	225	2,000	2,080	2,680	2,270	6,340	2,570	195	502	342	146	205
2	280	2,050	3,780	2,500	2,350	4,030	1,090	192	686	299	131	156
3	205	1,650	3,260	1,610	3,830	13,000	926	203	697	308	133	140
4	214	410	651	1,160	2,770	13,500	950	244	546	275	134	147
5	263	229	356	965	3,960	15,400	553	209	527	289	193	148
6	481	261	342	926	2,670	11,400	565	212	773	276	152	140
7	255	436	480	567	4,450	5,510	383	240	1,020	280	133	160
8	222	1,170	1,360	1,220	2,840	5,250	355	492	1,030	272	121	167
9	209	988	1,760	2,300	4,510	6,010	332	304	637	391	130	136
10	228	1,040	1,400	2,120	2,320	5,720	317	315	646	668	138	137
11	331	2,580	376	1,260	1,290	6,060	323	239	1,090	708	149	260
12	249	514	1,550	684	1,730	5,870	296	209	1,090	681	148	261
13	232	1,450	479	1,340	1,190	4,490	295	326	1,070	657	129	262
14	224	1,340	525	2,850	1,400	6,010	310	582	955	476	230	283
15	230	1,280	593	925	2,110	2,340	297	442	1,110	259	361	268
16	221	2,160	437	1,580	1,910	4,840	301	950	1,090	457	278	261
17	1,490	1,780	578	977	2,310	1,220	448	733	1,060	646	272	277
18	1,600	4,870	466	1,940	2,970	2,270	388	592	1,050	762	278	820
19	1,800	1,090	1,130	3,640	2,850	4,680	364	1,200	734	678	324	309
20	930	2,100	1,400	4,810	2,150	3,050	774	888	522	639	318	276
21	2,250	2,420	1,400	7,390	796	4,090	296	623	470	678	448	327
22	297	2,070	2,150	12,400	2,240	3,060	253	647	300	697	623	264
23	215	2,840	5,030	11,500	2,550	4,390	238	648	303	618	630	262
24	381	3,570	3,610	13,700	3,730	3,400	229	731	291	456	631	258
25	1,490	1,950	4,120	13,300	1,550	4,800	221	546	330	263	860	256
26	1,380	2,100	4,750	9,460	513	2,830	219	431	290	264	443	269
27	2,350	1,540	3,390	7,400	530	2,480	221	844	300	275	594	550
28	1,730	6,380	2,100	6,630	1,920	1,390	215	502	295	267	152	260
29	2,070	5,630	4,210	2,940	1,740	2,050	207	298	386	257	146	267
30	985	3,210	4,470	3,810	---	2,490	206	474	270	397	139	307
31	2,320	---	3,540	2,300	---	1,180	---	296	---	425	135	---
Total	25,357	61,108	61,773	126,884	67,449	159,150	14,142	14,807	20,070	13,960	8,699	7,833
Mean	818	2,037	1,993	4,093	2,326	5,134	471	478	669	450	281	261
Max	2,350	6,380	5,030	13,700	4,510	15,400	2,570	1,200	1,110	762	860	820
Min	205	229	342	567	513	1,180	206	192	270	257	121	136
Cfsm	0.49	1.22	1.19	2.44	1.39	3.06	0.28	0.29	0.40	0.27	0.17	0.16
In.	0.56	1.36	1.37	2.82	1.50	3.53	0.31	0.33	0.45	0.31	0.19	0.17

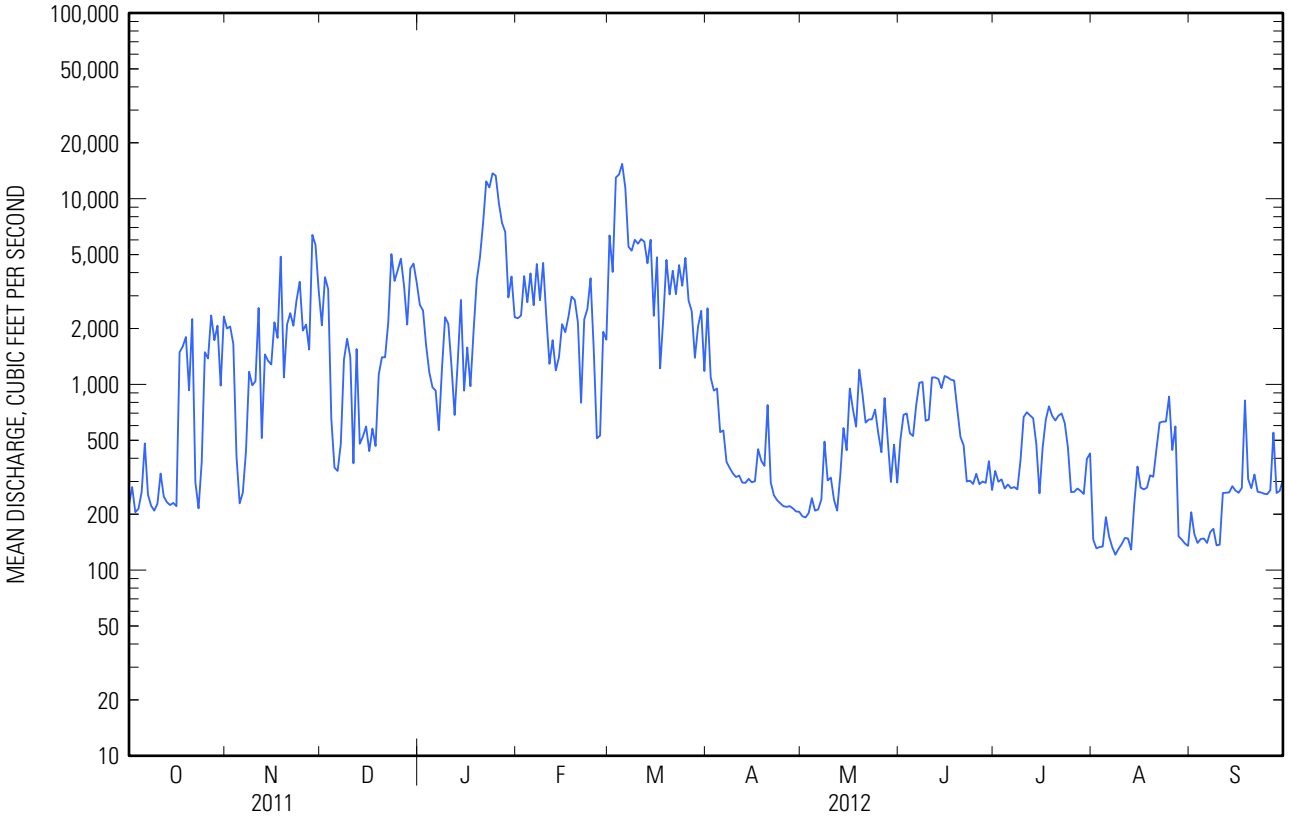
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,358	2,212	2,593	3,172	4,156	4,827	2,368	2,478	1,731	1,807	1,285	1,059
Max	5,599	6,434	8,425	6,757	10,890	13,270	5,162	14,320	4,819	7,058	4,331	3,180
(WY)	(1996)	(2010)	(2010)	(1993)	(1990)	(1990)	(2005)	(2003)	(2003)	(2005)	(1984)	(2004)
Min	234	185	220	299	1,581	1,294	471	381	521	450	281	261
(WY)	(1987)	(2008)	(2008)	(2008)	(2000)	(1988)	(2012)	(2007)	(1986)	(2012)	(2012)	(2012)

02414500 TALLAPOOSA RIVER AT WADLEY, AL—Continued

SUMMARY STATISTICS

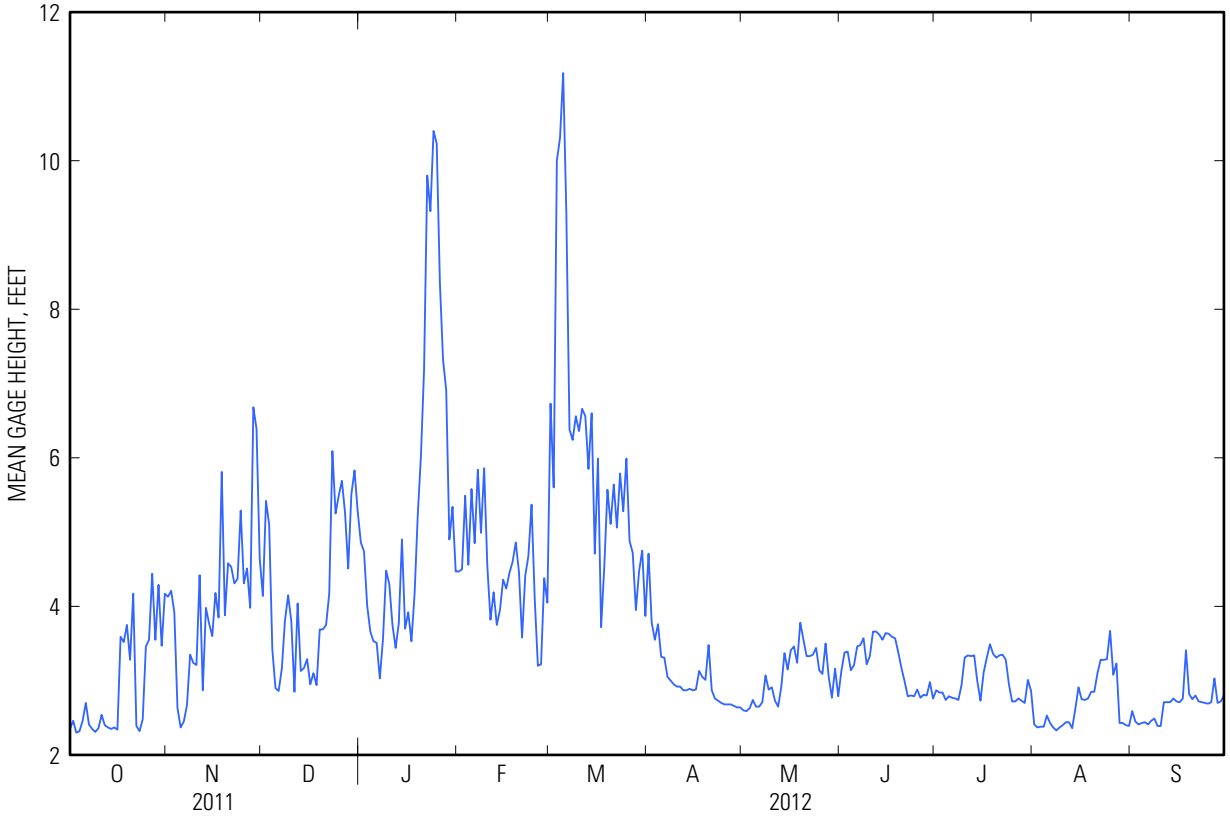
	Calendar Year 2011		Water Year 2012		Water Years 1984 - 2012	
Annual total	610,622		581,232			
Annual mean	1,673		1,588		2,414	
Highest annual mean					4,889	2003
Lowest annual mean					1,032	2008
Highest daily mean	15,700	Mar 10	15,400	Mar 5	103,000	May 9, 2003
Lowest daily mean	186	Aug 30	121	Aug 8	41	Aug 30, 1987
Annual seven-day minimum	228	Sep 28	135	Aug 7	95	May 11, 1986
Maximum peak flow			22,100	Jan 23	125,000	May 8, 2003
Maximum peak stage			14.23	Jan 23	37.30	May 8, 2003
Annual runoff (cfsm)	0.999		0.948		1.44	
Annual runoff (inches)	13.56		12.91		19.58	
10 percent exceeds	3,670		4,100		5,260	
50 percent exceeds	1,010		646		1,550	
90 percent exceeds	232		211		220	



02414500 TALLAPOOSA RIVER AT WADLEY, AL—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	2.35	4.13	4.14	4.86	4.47	6.73	4.71	2.60	3.13	2.87	2.41	2.59
2	2.46	4.21	5.42	4.74	4.50	5.60	3.78	2.59	3.38	2.84	2.37	2.45
3	2.30	3.92	5.10	4.01	5.49	10.00	3.55	2.63	3.39	2.84	2.38	2.41
4	2.32	2.63	3.42	3.66	4.56	10.31	3.76	2.74	3.14	2.74	2.38	2.43
5	2.46	2.37	2.90	3.53	5.58	11.18	3.32	2.65	3.21	2.79	2.53	2.44
6	2.70	2.45	2.86	3.51	4.85	9.29	3.31	2.65	3.46	2.77	2.43	2.41
7	2.41	2.67	3.16	3.03	5.84	6.38	3.05	2.71	3.48	2.76	2.37	2.46
8	2.35	3.35	3.81	3.56	4.99	6.24	3.00	3.07	3.57	2.74	2.33	2.49
9	2.31	3.24	4.15	4.48	5.86	6.56	2.95	2.88	3.22	2.94	2.37	2.39
10	2.36	3.21	3.80	4.30	4.55	6.36	2.92	2.91	3.33	3.31	2.40	2.39
11	2.54	4.42	2.85	3.75	3.82	6.66	2.92	2.73	3.66	3.34	2.44	2.71
12	2.40	2.87	4.04	3.44	4.19	6.56	2.87	2.65	3.66	3.33	2.44	2.71
13	2.37	3.98	3.13	3.77	3.75	5.85	2.87	2.92	3.62	3.34	2.36	2.71
14	2.35	3.77	3.17	4.90	3.95	6.60	2.89	3.37	3.55	2.99	2.62	2.76
15	2.37	3.60	3.29	3.70	4.36	4.71	2.87	3.15	3.64	2.73	2.91	2.72
16	2.34	4.18	2.95	3.92	4.24	5.99	2.88	3.41	3.63	3.11	2.75	2.71
17	3.59	3.85	3.10	3.53	4.45	3.72	3.13	3.46	3.59	3.31	2.74	2.76
18	3.52	5.81	2.94	4.17	4.60	4.53	3.05	3.24	3.57	3.49	2.76	3.41
19	3.75	3.88	3.69	5.23	4.86	5.57	3.01	3.78	3.38	3.36	2.85	2.82
20	3.28	4.58	3.69	6.02	4.47	5.11	3.48	3.55	3.17	3.31	2.85	2.75
21	4.17	4.53	3.75	7.19	3.58	5.64	2.87	3.33	2.99	3.34	3.10	2.80
22	2.39	4.31	4.17	9.80	4.41	5.06	2.76	3.33	2.79	3.35	3.28	2.72
23	2.32	4.37	6.09	9.32	4.68	5.79	2.73	3.35	2.80	3.28	3.28	2.71
24	2.48	5.29	5.25	10.40	5.37	5.28	2.70	3.44	2.79	2.95	3.29	2.70
25	3.46	4.31	5.49	10.23	4.10	5.99	2.68	3.14	2.88	2.72	3.67	2.69
26	3.55	4.51	5.69	8.36	3.20	4.88	2.68	3.09	2.77	2.72	3.08	2.71
27	4.44	3.98	5.26	7.32	3.22	4.72	2.68	3.50	2.81	2.76	3.23	3.03
28	3.55	6.68	4.51	6.91	4.38	3.95	2.66	3.05	2.80	2.73	2.43	2.70
29	4.29	6.39	5.51	4.90	4.05	4.47	2.64	2.77	2.98	2.70	2.43	2.72
30	3.47	4.65	5.83	5.34	---	4.75	2.64	3.16	2.76	3.01	2.40	2.80
31	4.17	---	5.28	4.47	---	3.87	---	2.79	---	2.86	2.39	---
Mean	2.93	4.07	4.14	5.37	4.50	6.08	3.05	3.05	3.24	3.01	2.69	2.67
Max	4.44	6.68	6.09	10.40	5.86	11.18	4.71	3.78	3.66	3.49	3.67	3.41
Min	2.30	2.37	2.85	3.03	3.20	3.72	2.64	2.59	2.76	2.70	2.33	2.39

	Calendar Year 2011	Water Year 2012
Mean	3.69	3.73
Max	11.32	11.18
Min	2.24	2.30

02414500 TALLAPOOSA RIVER AT WADLEY, AL—Continued