02412000 TALLAPOOSA RIVER NEAR HEFLIN, AL

Coosa-Tallapoosa Basin
Upper Tallapoosa Subbasin

LOCATION.--Lat 33°37′22″, long 85°30′48″ referenced to North American Datum of 1927, Cleburne County, AL, Hydrologic Unit 03150108, on right bank 5 ft downstream from county road bridge, 2.2 mi upstream from Cane Creek, 4 mi southeast of Heflin and at mile 186.8.

DRAINAGE AREA.--448 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1952 to current year.

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

GAGE.--Water-stage recorder. Elevation of gage is 830 ft, by barometer.

REMARKS.--Estimated daily discharge: Oct. 12, 13, Nov. 29, 30, July 23- Aug. 4, Aug. 8-10, and Sep. 13, 14. Records good except those estimated which are poor. Slight diurnal fluctuation caused by small mills above station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 13	1330	5,490	14.86
Nov 12	1630	7,060	17.74
Dec 19	2230	6,210	16.20
Jan 26	1000	7,300	18.17
Feb 6	1600	6,520	16.76
Mar 12	1330	*8,150	*19.54
May 22	1000	4,230	12.17

Minimum discharge, 15 ft^3/s, Sept. 22, 23, 24, 25, 26, gage height, 1.80 ft.

02412000 TALLAPOOSA RIVER NEAR HEFLIN, AL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	324	1,120	567	1,080	1,080	818	718	515	1,130	287	e104	57
2	273	879	1,730	963	1,020	1,390	699	498	807	207	e97	52
3	249	683	3,390	872	1,050	1,910	681	1,720	663	188	e87	46
4	235	579	2,110	818	1,010	1,450	672	2,650	620	172	e78	42
5	624	520	1,200	783	4,450	1,170	660	1,150	561	161	76	37
6	1,170	474	951	752	6,370	1,030	645	751	510	154	70	33
7	2,260	446	824	733	4,010	955	630	615	490	151	76	31
8	1,580	430	790	731	1,680	912	819	541	464	149	e80	28
9	892	424	2,450	705	1,430	883	1,670	482	405	145	e76	27
10	592	2,190	2,620	667	1,470	2,950	966	447	375	143	e82	26
11	491	6,370	1,360	647	1,310	7,160	750	476	384	141	57	24
12	e2,740	6,980	1,020	650	1,190	8,030	681	484	354	151	50	22
13	e7,920	4,730	984	652	1,160	4,760	642	450	330	353	44	e20
14	3,170	1,360	1,050	641	1,140	1,890	603	418	310	389	51	e19
15	1,870	1,080	1,020	637	1,140	1,490	581	400	301	310	58	19
16	1,410	910	921	648	1,160	1,270	563	390	294	215	155	18
17	1,020	804	833	1,000	1,060	1,140	549	438	291	174	146	17
18	773	748	2,880	1,160	984	1,080	531	492	283	202	117	16
19	623	694	5,850	910	940	1,030	507	444	279	214	95	16
20	535	646	4,500	790	907	955	500	384	279	186	93	16
21	482	617	1,590	1,000	883	928	502	1,480	274	171	107	16
22	446	756	1,250	1,430	1,260	1,100	488	3,460	266	170	84	15
23	452	975	1,080	1,140	1,340	1,120	466	1,350	261	e148	80	16
24	653	836	988	2,430	1,120	979	611	757	259	e150	76	15
25	552	716	2,670	6,560	975	906	2,150	698	257	e145	68	15
26	460	652	3,030	7,090	906	894	1,600	543	255	e140	63	17
27	527	608	1,640	2,370	873	848	866	479	255	e127	60	18
28	1,190	577	1,220	1,330	845	814	682	433	253	e121	60	25
29	1,130	e570	1,050	1,170	---	814	598	736	250	e118	57	30
30	731	e568	961	1,250	---	794	548	1,110	323	e114	57	29
31	852	---	1,050	1,260	---	747	---	1,460	---	e108	57	---
Total	36,226	38,942	53,579	42,869	42,763	52,217	22,578	26,251	11,783	5,604	2,461	762
Mean	1,169	1,298	1,728	1,383	1,527	1,684	753	847	393	181	79.4	25.4
Max	7,920	6,980	5,850	7,090	6,370	8,030	2,150	3,460	1,130	389	155	57
Min	235	424	567	637	845	747	466	384	250	108	44	15
Cfsm	2.61	2.90	3.86	3.09	3.41	3.76	1.68	1.89	0.88	0.40	0.18	0.06
In.	3.01	3.23	4.45	3.56	3.55	4.34	1.87	2.18	0.98	0.47	0.20	0.06

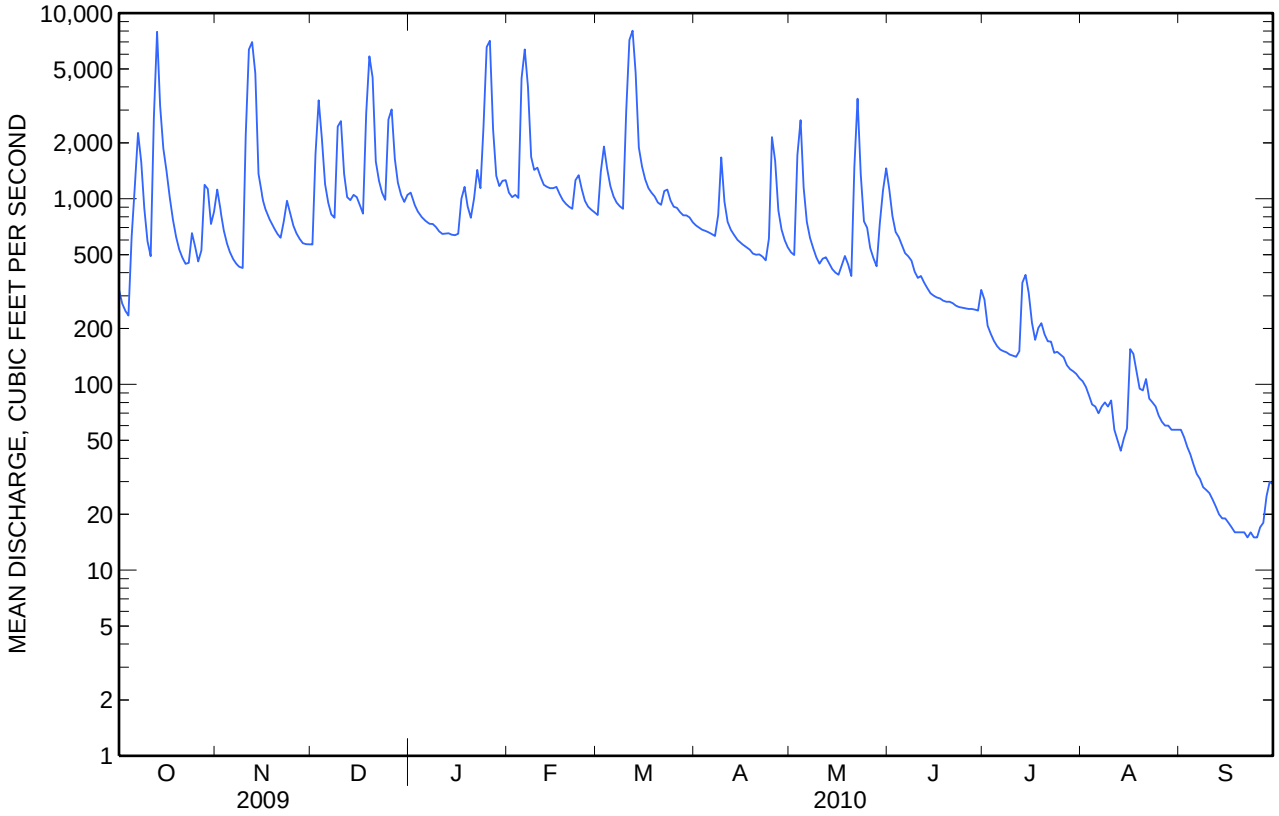
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	302	434	631	912	1,127	1,307	1,088	746	448	380	272	235
Max	1,579	1,298	2,488	2,363	3,402	3,551	3,626	2,766	1,161	1,809	1,220	1,081
(WY)	(1996)	(2010)	(1984)	(1972)	(1961)	(1990)	(1979)	(2003)	(1989)	(2005)	(1967)	(1975)
Min	7.94	24.1	72.5	177	407	321	249	124	44.0	28.5	24.7	17.5
(WY)	(2008)	(2008)	(2008)	(2008)	(2007)	(1988)	(2007)	(2007)	(2007)	(2000)	(2007)	(2007)

02412000 TALLAPOOSA RIVER NEAR HEFLIN, AL—Continued

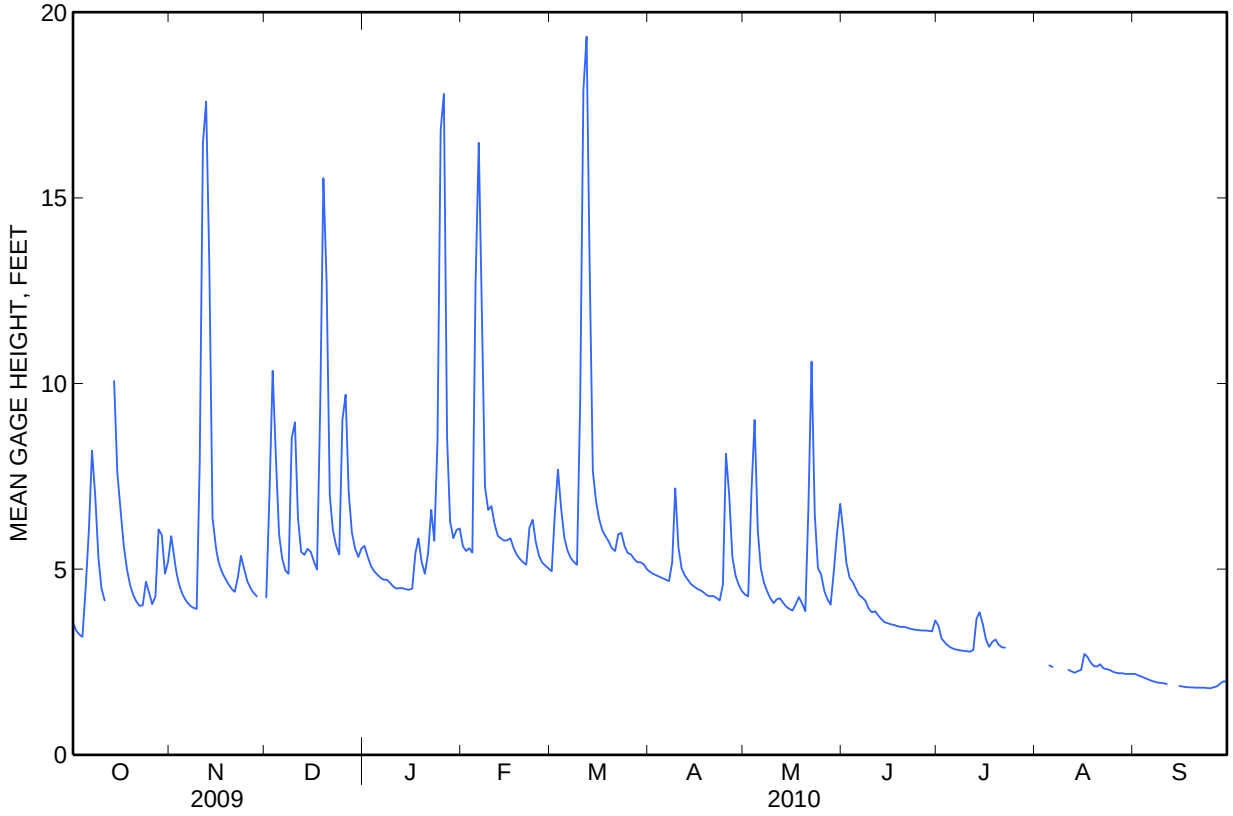
SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 1952 - 2010	
Annual total	259,164		336,035			
Annual mean	710		921		655	
Highest annual mean					1,064	2003
Lowest annual mean					218	2008
Highest daily mean	7,920	Oct 13	8,030	Mar 12	30,200	Mar 31, 1977
Lowest daily mean	62	Jul 6	15	Sep 22,24,25	3.8	Oct 14, 2007
Annual seven-day minimum	67	Jul 6	16	Sep 19	3.8	Oct 14, 2007
Maximum peak flow			8,150	Mar 12	32,500	Mar 31, 1977
Maximum peak stage			19.54	Mar 12	31.34	Mar 31, 1977
Annual runoff (cfsm)	1.58		2.06		1.46	
Annual runoff (inches)	21.52		27.90		19.85	
10 percent exceeds	1,400		1,700		1,220	
50 percent exceeds	411		645		397	
90 percent exceeds	97		57		103	



02412000 TALLAPOOSA RIVER NEAR HEFLIN, AL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.56	5.89	4.24	5.63	5.62	4.95	4.93	4.32	5.99	3.48	---	2.18
2	3.35	5.28	7.02	5.34	5.49	6.45	4.88	4.27	5.17	3.13	---	2.14
3	3.24	4.75	10.34	5.09	5.57	7.68	4.83	7.05	4.77	3.03	---	2.11
4	3.18	4.44	8.02	4.95	5.45	6.63	4.80	9.02	4.65	2.95	---	2.07
5	4.48	4.26	5.94	4.86	12.68	5.85	4.76	6.04	4.47	2.89	2.41	2.04
6	6.03	4.11	5.30	4.77	16.48	5.50	4.72	5.02	4.30	2.85	2.37	2.00
7	8.19	4.01	4.97	4.72	11.79	5.31	4.68	4.63	4.24	2.83	---	1.98
8	6.97	3.96	4.88	4.72	7.22	5.20	5.19	4.40	4.15	2.82	---	1.95
9	5.31	3.93	8.53	4.64	6.60	5.12	7.18	4.21	3.94	2.80	---	1.94
10	4.48	7.88	8.96	4.54	6.70	9.55	5.59	4.09	3.84	2.79	---	1.93
11	4.16	16.47	6.39	4.48	6.22	17.90	5.02	4.19	3.87	2.78	2.29	1.91
12	---	17.59	5.47	4.49	5.90	19.34	4.83	4.22	3.76	2.83	2.25	---
13	---	13.21	5.39	4.49	5.83	13.19	4.71	4.10	3.66	3.67	2.21	---
14	10.07	6.38	5.55	4.46	5.77	7.64	4.60	3.99	3.58	3.84	2.26	---
15	7.60	5.64	5.47	4.45	5.78	6.83	4.53	3.93	3.55	3.53	2.29	1.86
16	6.61	5.20	5.22	4.48	5.83	6.34	4.47	3.89	3.52	3.11	2.72	1.84
17	5.65	4.91	4.99	5.43	5.57	6.04	4.43	4.06	3.50	2.91	2.64	1.83
18	5.00	4.76	9.36	5.83	5.39	5.89	4.37	4.25	3.47	3.05	2.49	1.82
19	4.57	4.61	15.53	5.20	5.28	5.75	4.30	4.08	3.45	3.11	2.39	1.82
20	4.31	4.47	12.76	4.88	5.19	5.57	4.27	3.87	3.45	2.97	2.38	1.81
21	4.13	4.39	6.99	5.42	5.12	5.49	4.28	6.60	3.43	2.90	2.44	1.81
22	4.01	4.77	6.07	6.60	6.13	5.94	4.23	10.59	3.40	2.89	2.33	1.81
23	4.03	5.36	5.64	5.77	6.33	5.98	4.16	6.48	3.38	---	2.31	1.81
24	4.66	5.00	5.40	8.43	5.74	5.63	4.59	5.03	3.37	---	2.29	1.80
25	4.36	4.67	9.03	16.83	5.37	5.44	8.11	4.86	3.36	---	2.24	1.80
26	4.06	4.49	9.70	17.80	5.18	5.40	7.02	4.41	3.35	---	2.21	1.83
27	4.26	4.36	7.08	8.55	5.10	5.28	5.33	4.20	3.35	---	2.20	1.85
28	6.07	4.27	5.99	6.29	5.02	5.19	4.83	4.05	3.34	---	2.20	1.93
29	5.92	---	5.56	5.84	---	5.19	4.58	4.93	3.33	---	2.18	1.98
30	4.88	---	5.33	6.06	---	5.14	4.42	5.96	3.62	---	2.18	1.96
31	5.20	---	5.56	6.10	---	5.01	---	6.76	---	---	2.18	---
Mean	---	---	6.99	6.17	6.58	6.98	4.95	5.08	3.84	---	---	---
Max	---	---	15.53	17.80	16.48	19.34	8.11	10.59	5.99	---	---	---
Min	---	---	4.24	4.45	5.02	4.95	4.16	3.87	3.33	---	---	---

02412000 TALLAPOOSA RIVER NEAR HEFLIN, AL—Continued