

**02350512 FLINT RIVER AT GA 32, NEAR OAKFIELD, GA**

Apalachicola Basin  
Middle Flint Subbasin

LOCATION.--Lat 31°43'30", long 84°01'07" referenced to North American Datum of 1983, Worth County, GA, Hydrologic Unit 03130006, on downstream end of pier of bridge on GA 32, 5.0 miles southwest of Oakfield, 3.2 miles downstream from Jones Creek, 13.9 miles downstream from Crisp County dam site, and at river mile 120.8.

DRAINAGE AREA.--3,880 mi<sup>2</sup>, approximately.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--

DISCHARGE: October 1929 to December 1958, May 1987 to current year. Monthly discharge only, October 1929 to January 1930 and June 1933 to October 1934 (published in WSP 1304). Prior to May 1987, published as station 02350500 Flint River at Oakfield, GA.

GAGE-HEIGHT: October 1998 to current year.

GAGE.--Satellite telemetry with a water-stage recorder. Datum of gage is 185.3 feet above the North American Vertical Datum (NAVD) of 1988 (levels by Georgia Department of Transportation). From January 9, 1930 to June 23, 1933, and from October 1, 1934 to December 31, 1958, a recording gage was located at a site 4.2 miles upstream at datum 193.29 feet above sea level, supplementary adjustment of 1936.

COOPERATION.--Georgia Power Corporation; Crisp County Power Commission.

REMARKS.--Discharge records fair. Gage-height records are good. Flow regulated by power plant at Warwick Reservoir since 1930 that has a capacity of approximately 35,000 acre-ft. Normal operation of power plant does not materially affect figures of monthly runoff.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge recorded, 112,000 cfs, July 10, 1994; maximum gage-height recorded, 40.10 feet, from floodmarks, July 10, 1994; minimum daily discharge, 152 cfs, June 8, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1898, 35.1 feet, January 20, 1925, from flood marks, 90,000 cfs. Flood in March 1929 reached a stage of 34.0 feet, from flood marks, 85,000 cfs.

EXTREMES FOR CURRENT YEAR.--Maximum discharge recorded, 8,050 cfs, February 19; maximum gage-height recorded, 8.59 feet, February 19; minimum gage-height recorded, 1.74 feet, September 17; minimum daily discharge, 355 cfs, July 5.

## 02350512 FLINT RIVER AT GA 32, NEAR OAKFIELD, GA—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	1,200	699	1,140	3,420	3,410	4,450	2,200	1,280	620	358	609	525
2	981	706	812	2,900	3,690	5,430	914	1,010	612	504	567	522
3	871	714	779	2,550	1,250	4,310	3,900	841	611	522	466	532
4	840	803	825	2,040	2,970	6,240	3,420	775	609	414	456	781
5	821	811	1,190	1,820	2,440	3,850	1,940	768	613	355	492	864
6	873	768	1,260	1,970	2,340	3,960	1,690	716	766	387	518	807
7	790	763	1,120	1,580	2,000	4,900	1,910	786	839	459	513	800
8	724	747	1,100	1,530	2,620	6,210	1,920	808	807	468	526	778
9	696	744	1,070	1,560	2,390	6,580	1,690	825	803	588	695	773
10	772	740	1,060	2,280	2,070	5,070	1,490	961	904	723	694	834
11	1,050	732	1,020	1,630	2,070	3,950	1,490	915	2,240	568	712	724
12	1,020	730	900	1,980	2,250	4,250	1,530	1,060	1,710	365	836	616
13	952	758	931	1,710	1,640	3,240	1,430	1,900	1,280	500	1,000	615
14	968	718	1,210	2,090	2,220	3,160	1,180	2,460	2,490	479	986	568
15	954	787	1,240	1,760	2,780	4,190	853	1,710	2,250	464	835	518
16	944	798	1,140	2,170	1,540	3,360	849	963	870	470	697	471
17	886	1,130	1,070	1,800	2,320	3,110	990	981	1,200	586	530	368
18	894	1,390	1,040	2,090	3,990	2,870	1,200	1,930	1,350	561	519	446
19	973	1,270	991	1,760	5,660	2,630	2,150	1,950	1,240	638	537	582
20	1,160	1,050	991	1,470	3,310	2,520	1,130	983	1,430	680	527	585
21	1,150	926	962	2,160	3,510	2,480	836	871	866	628	585	587
22	1,020	978	1,100	3,100	6,390	2,270	1,350	832	867	569	650	591
23	943	877	2,100	3,310	4,800	2,170	1,560	830	815	721	744	589
24	896	1,060	2,100	4,110	4,130	2,070	1,820	817	784	942	811	571
25	842	1,290	1,970	6,190	4,680	1,970	1,360	786	861	753	788	511
26	795	855	4,070	4,710	3,110	1,920	939	775	815	639	973	489
27	771	834	3,020	5,370	4,720	1,870	901	700	804	546	652	471
28	769	956	3,030	5,580	6,500	1,700	930	694	758	505	599	422
29	765	1,430	3,260	5,260	3,890	1,450	1,050	698	617	495	605	394
30	723	1,360	3,260	4,050	---	1,450	1,240	688	370	542	575	435
31	729	---	3,160	3,850	---	2,590	---	662	---	665	534	---
<b>Total</b>	27,772	27,424	48,921	87,800	94,690	106,220	45,862	31,975	30,801	17,094	20,231	17,769
<b>Mean</b>	896	914	1,578	2,832	3,265	3,426	1,529	1,031	1,027	551	653	592
<b>Max</b>	1,200	1,430	4,070	6,190	6,500	6,580	3,900	2,460	2,490	942	1,000	864
<b>Min</b>	696	699	779	1,470	1,250	1,450	836	662	370	355	456	368
<b>Cfsm</b>	0.23	0.24	0.41	0.73	0.84	0.88	0.39	0.27	0.26	0.14	0.17	0.15
<b>In.</b>	0.27	0.26	0.47	0.84	0.91	1.02	0.44	0.31	0.30	0.16	0.19	0.17

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2012, BY WATER YEAR (WY)**

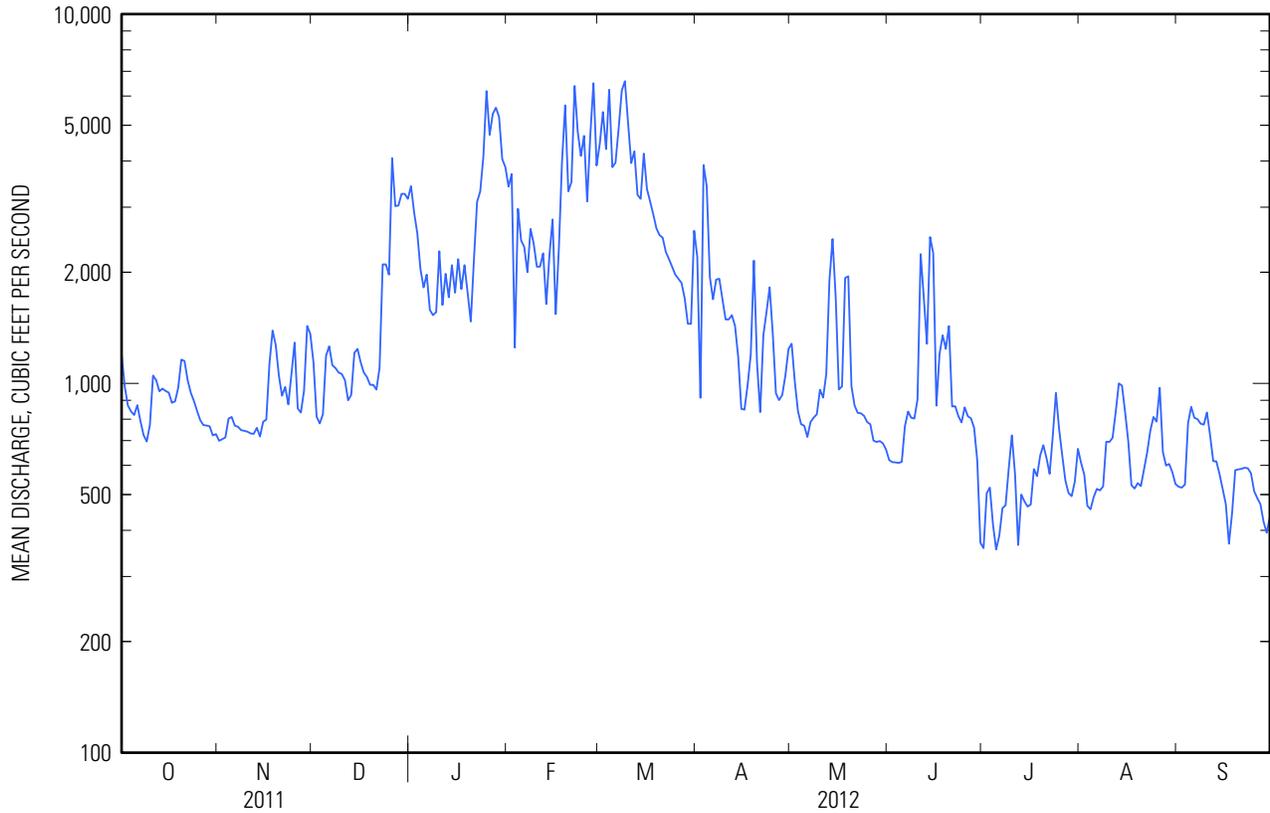
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	2,267	2,783	4,417	5,617	6,704	8,137	6,486	3,692	2,682	3,410	2,341	1,978
<b>Max</b>	10,690	8,486	17,020	14,120	15,890	18,670	18,880	11,000	7,812	29,160	6,360	8,030
<b>(WY)</b>	(1930)	(2010)	(1949)	(1936)	(1998)	(1998)	(1936)	(1953)	(2003)	(1994)	(1994)	(2004)
<b>Min</b>	762	813	1,402	1,705	2,084	3,048	1,529	998	693	551	653	592
<b>(WY)</b>	(2008)	(2008)	(2002)	(1956)	(2009)	(1955)	(2012)	(2007)	(2008)	(2012)	(2012)	(2012)

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SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1930 - 2012	
<b>Annual total</b>	782,309		556,559			
<b>Annual mean</b>	2,143		1,521		4,208	
<b>Highest annual mean</b>					8,013	1998
<b>Lowest annual mean</b>					1,521	2012
<b>Highest daily mean</b>	11,400	Feb 8	6,580	Mar 9	109,000	Jul 10, 1994
<b>Lowest daily mean</b>	376	Sep 3	355	Jul 5	152	Jun 8, 1941
<b>Annual seven-day minimum</b>	397	Sep 1	416	Jun 30	397	Sep 1, 2011
<b>Maximum peak flow</b>			8,050	Feb 19	112,000	Jul 10, 1994
<b>Maximum peak stage</b>			8.59	Feb 19	<sup>a</sup> 40.10	Jul 10, 1994
<b>Annual runoff (cfsm)</b>	0.552		0.392		1.08	
<b>Annual runoff (inches)</b>	7.50		5.34		14.74	
<b>10 percent exceeds</b>	5,460		3,410		8,560	
<b>50 percent exceeds</b>	1,070		955		2,870	
<b>90 percent exceeds</b>	597		529		946	

<sup>a</sup> From floodmarks.



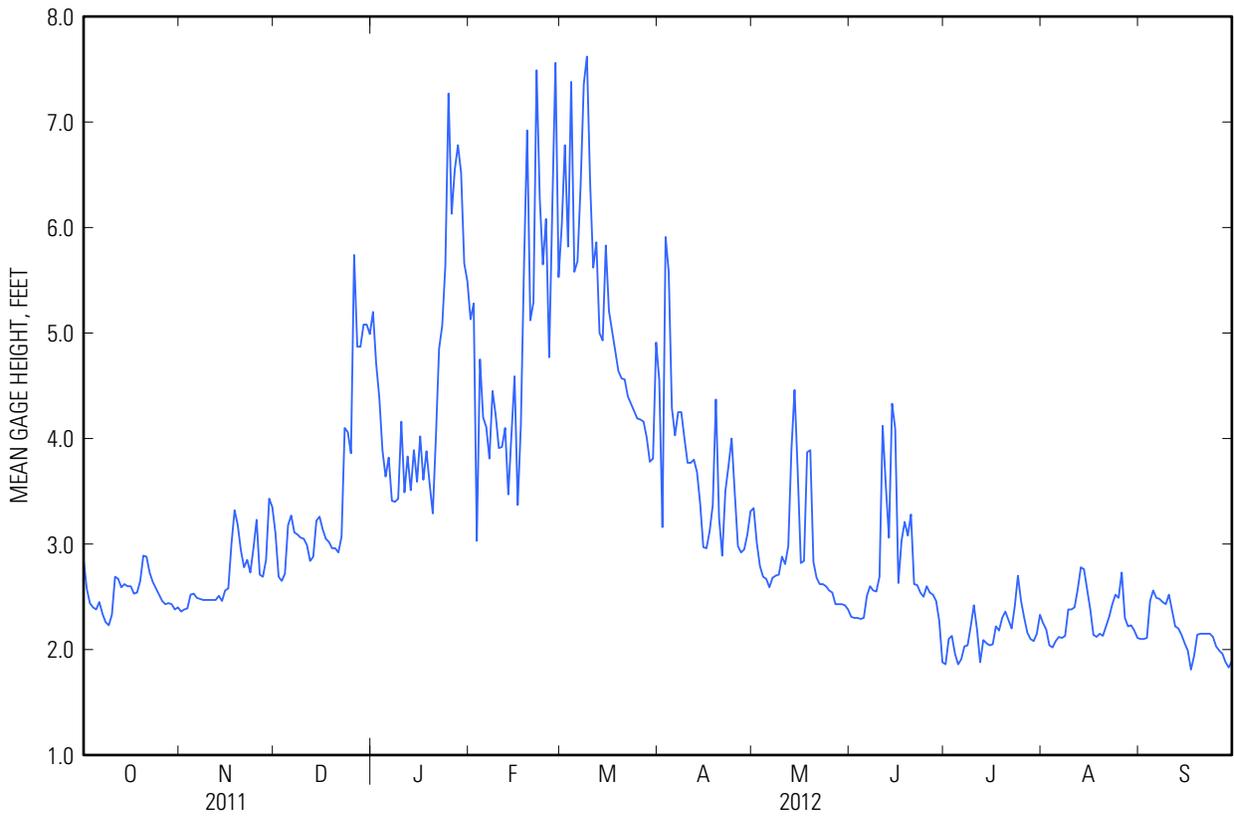
## 02350512 FLINT RIVER AT GA 32, NEAR OAKFIELD, GA—Continued

**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	2.85	2.36	3.10	5.20	5.13	6.02	4.55	3.34	2.31	1.86	2.25	2.10
2	2.58	2.38	2.69	4.71	5.28	6.78	3.16	3.01	2.30	2.10	2.19	2.10
3	2.44	2.39	2.65	4.39	3.03	5.82	5.91	2.79	2.30	2.13	2.04	2.11
4	2.40	2.52	2.72	3.89	4.75	7.38	5.58	2.69	2.29	1.96	2.02	2.46
5	2.38	2.53	3.18	3.64	4.20	5.58	4.29	2.67	2.30	1.86	2.08	2.56
6	2.45	2.49	3.27	3.82	4.11	5.68	4.03	2.59	2.51	1.91	2.12	2.49
7	2.34	2.48	3.11	3.41	3.81	6.40	4.25	2.68	2.60	2.03	2.11	2.48
8	2.26	2.47	3.09	3.40	4.45	7.36	4.25	2.70	2.56	2.04	2.13	2.45
9	2.23	2.47	3.06	3.43	4.22	7.62	4.00	2.71	2.55	2.22	2.38	2.43
10	2.33	2.47	3.05	4.16	3.91	6.44	3.77	2.88	2.69	2.42	2.38	2.52
11	2.69	2.47	2.99	3.49	3.92	5.62	3.77	2.81	4.12	2.19	2.40	2.37
12	2.67	2.47	2.84	3.83	4.10	5.86	3.80	2.98	3.56	1.88	2.57	2.22
13	2.59	2.51	2.88	3.51	3.47	5.00	3.68	3.89	3.06	2.09	2.78	2.20
14	2.62	2.46	3.22	3.89	4.03	4.93	3.38	4.46	4.33	2.06	2.76	2.14
15	2.60	2.56	3.26	3.59	4.59	5.83	2.97	3.69	4.09	2.04	2.57	2.06
16	2.60	2.58	3.14	4.02	3.37	5.21	2.96	2.82	2.63	2.05	2.38	1.99
17	2.53	3.00	3.05	3.61	4.13	5.02	3.12	2.84	3.03	2.22	2.14	1.81
18	2.54	3.32	3.02	3.88	5.64	4.83	3.37	3.87	3.21	2.18	2.12	1.94
19	2.65	3.18	2.96	3.57	6.92	4.64	4.37	3.89	3.08	2.30	2.15	2.14
20	2.89	2.94	2.96	3.29	5.12	4.57	3.25	2.83	3.28	2.36	2.13	2.15
21	2.88	2.78	2.92	4.02	5.29	4.56	2.89	2.68	2.62	2.28	2.22	2.15
22	2.73	2.85	3.07	4.85	7.49	4.40	3.50	2.62	2.61	2.20	2.31	2.15
23	2.64	2.73	4.10	5.07	6.28	4.33	3.74	2.62	2.54	2.41	2.43	2.15
24	2.58	2.96	4.06	5.64	5.65	4.26	4.00	2.60	2.50	2.70	2.52	2.12
25	2.52	3.23	3.86	7.27	6.08	4.19	3.48	2.56	2.60	2.46	2.49	2.03
26	2.46	2.71	5.74	6.13	4.77	4.18	2.98	2.54	2.54	2.30	2.73	1.99
27	2.43	2.69	4.87	6.55	6.20	4.16	2.92	2.43	2.52	2.16	2.30	1.96
28	2.44	2.85	4.87	6.78	7.56	4.01	2.95	2.43	2.46	2.10	2.22	1.88
29	2.43	3.43	5.08	6.52	5.53	3.78	3.09	2.43	2.27	2.08	2.23	1.83
30	2.38	3.35	5.08	5.66	---	3.81	3.31	2.42	1.88	2.15	2.18	1.89
31	2.40	---	4.99	5.49	---	4.91	---	2.38	---	2.33	2.11	---
<b>Mean</b>	2.53	2.72	3.51	4.54	4.93	5.26	3.71	2.90	2.78	2.16	2.30	2.16
<b>Max</b>	2.89	3.43	5.74	7.27	7.56	7.62	5.91	4.46	4.33	2.70	2.78	2.56
<b>Min</b>	2.23	2.36	2.65	3.29	3.03	3.78	2.89	2.38	1.88	1.86	2.02	1.81

	Calendar Year 2011	Water Year 2012
<b>Mean</b>	3.81	3.29
<b>Max</b>	10.62	7.62
<b>Min</b>	1.90	1.81

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## 02350512 FLINT RIVER AT GA 32, NEAR OAKFIELD, GA—Continued

## CLIMATOLOGICAL RECORDS

PERIOD OF RECORD.--October 2001 to current year.

INSTRUMENTATION.--Tipping-bucket raingage.

**PRECIPITATION, TOTAL, INCHES**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**  
**DAILY SUM VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	---	---	---	---	---	---
2	0.00	---	---	---	---	---	---	---	---	---	---	---
3	0.00	---	---	---	---	---	---	---	---	---	---	---
4	0.00	---	---	---	---	---	---	---	---	---	---	---
5	0.00	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	0.32
19	---	---	---	---	---	---	---	---	---	---	---	0.00
20	---	---	---	---	---	---	---	---	---	---	---	0.00
21	---	---	---	---	---	---	---	---	---	---	---	0.01
22	---	---	---	---	---	---	---	---	---	---	---	0.00
23	---	---	---	---	---	---	---	---	---	---	---	0.00
24	---	---	---	---	---	---	---	---	---	---	---	0.01
25	---	---	---	---	---	---	---	---	---	---	---	0.01
26	---	---	---	---	---	---	---	---	---	---	---	0.00
27	---	---	---	---	---	---	---	---	---	---	---	0.00
28	---	---	---	---	---	---	---	---	---	---	---	0.00
29	---	---	---	---	---	---	---	---	---	---	---	0.20
30	---	---	---	---	---	---	---	---	---	---	---	0.30
31	---	---	---	---	---	---	---	---	---	---	---	---
<b>Total</b>	---	---	---	---	---	---	---	---	---	---	---	---

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