



2004 Water Year  
ALTAMAHA RIVER BASIN

**02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NR LITHONIA,GA**

Latitude: 33° 44 ' 01"

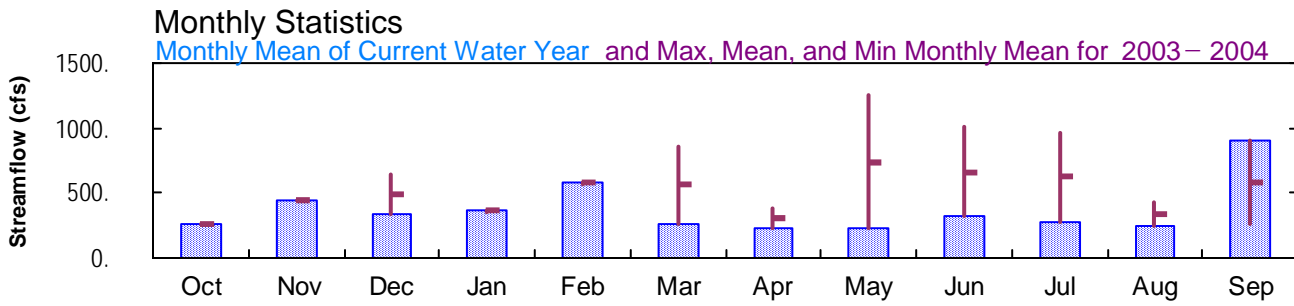
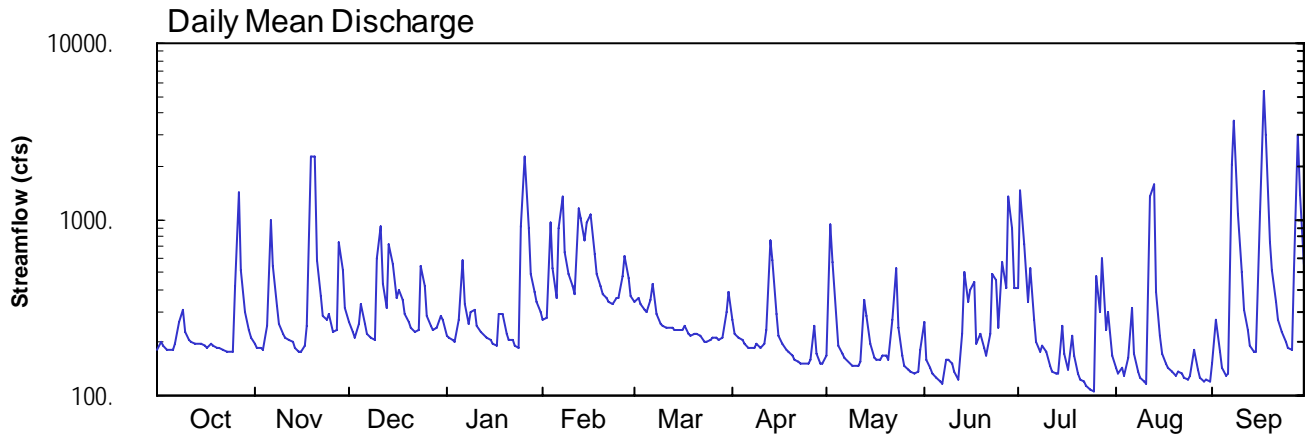
Longitude: 084° 03 ' 43"

Hydrologic Unit Code: 03070103

De kalb County

Datum: 720 feet

Drainage Area: 213. mi<sup>2</sup>



NO PHOTOS AVAILABLE FOR THIS SITE

**ALTAMAHA RIVER BASIN  
2004 Water Year**

**02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NEAR LITHONIA, GA**

**LOCATION.**—Lat 33°44'01", long 84°03'43" referenced to North American Datum (NAD) of 1927, Rockdale County, Hydrologic Unit 03070103, on right upstream side of bridge on Pleasant Hill Road, 0.30 miles upstream of Johnson Creek confluence, 1.6 miles east of GA 124, 0.75 miles west of Dekalb/Rockdale County line.

**DRAINAGE AREA.**—213 square miles.

**COOPERATION.**—Rockdale County Department of Water Resources.

**WATER-DISCHARGE RECORDS**

**PERIOD OF RECORD.**—November 27, 2002 to current year.

**GAGE.**—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage is 720.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

**REMARKS.**—Records fair.

**WATER-STAGE RECORDS**

**PERIOD OF RECORD.**—November 27, 2002 to current year.

**GAGE.**—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage is 720.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

**REMARKS.**—Records good.

**EXTREMES FOR CURRENT YEAR.**—Maximum gage-height recorded, 15.09 feet, September 18; minimum gage-height recorded, 1.72 feet, July 25.

**PRECIPITATION RECORDS**

**PERIOD OF RECORD.**—November 27, 2002 to current year.

**GAGE.**—Tipping-bucket raingage.

**REMARKS.**—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NR LITHONIA,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089  
 LATITUDE 334401 LONGITUDE 0840343 NAD27 DRAINAGE AREA 213\* CONTRIBUTING DRAINAGE AREA DATUM 720 NGVD29

Discharge, cubic feet per second  
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	183	196	262	220	267	342	270	166	260	405	145	150
2	201	189	231	210	279	356	227	928	161	1460	133	267
3	190	184	213	207	967	332	215	574	143	728	145	179
4	183	182	255	203	528	309	207	273	135	342	129	143
5	182	247	327	269	359	296	194	192	127	526	164	130
6	183	975	258	581	887	347	187	172	120	266	316	133
7	198	536	227	335	1340	431	185	162	116	201	172	2030
8	263	321	214	255	650	294	189	155	161	175	138	3580
9	309	256	205	296	489	255	194	149	158	192	125	1060
10	230	227	595	309	416	248	187	148	150	179	119	498
11	210	213	922	246	374	243	196	147	137	149	117	309
12	204	208	427	228	1150	245	238	157	123	138	1350	233
13	198	202	317	218	1020	244	760	349	224	132	1570	194
14	196	187	723	213	769	238	586	281	501	132	386	176
15	197	177	557	205	959	238	291	195	343	248	217	177
16	191	179	353	197	1070	237	219	163	399	172	172	1090
17	187	193	394	193	628	248	194	159	443	139	153	5400
18	197	251	350	288	488	225	182	161	195	217	145	3020
19	192	2250	290	293	422	220	175	169	e225	167	137	749
20	187	2290	264	222	376	223	168	169	e187	134	129	514
21	186	588	243	207	357	224	159	158	e166	123	137	340
22	183	366	228	208	336	217	155	267	222	119	134	267
23	178	286	234	191	329	203	153	527	495	114	126	229
24	177	269	537	186	354	204	152	239	458	109	123	203
25	175	293	414	915	354	206	153	166	240	105	128	186
26	423	232	280	2290	475	e211	159	149	571	474	182	180
27	1420	234	248	880	614	e210	249	141	412	302	142	513
28	515	737	234	493	461	e209	172	136	1360	595	126	3010
29	298	512	244	384	371	e211	153	132	889	236	120	1380
30	237	315	280	337	---	300	150	136	409	300	124	553
31	212	---	269	297	---	382	---	180	---	170	121	---
TOTAL	8085	13295	10595	11576	17089	8148	6719	7100	9530	8749	7425	26893
MEAN	261	443	342	373	589	263	224	229	318	282	240	896
MAX	1420	2290	922	2290	1340	431	760	928	1360	1460	1570	5400
MIN	175	177	205	186	267	203	150	132	116	105	117	130
CFSM	1.22	2.08	1.60	1.75	2.77	1.23	1.05	1.08	1.49	1.33	1.12	4.21
IN.	1.41	2.32	1.85	2.02	2.98	1.42	1.17	1.24	1.66	1.53	1.30	4.70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

	2003	2004	2003	2004	2003	2004	2003	2004	2003	2004	2003	2004
MEAN	261	443	496	363	574	561	303	741	664	625	332	577
MAX	261	443	650	373	589	860	382	1253	1010	967	424	896
(WY)	2004	2004	2003	2004	2004	2003	2003	2003	2003	2003	2003	2004
MIN	261	443	342	353	559	263	224	229	318	282	240	257
(WY)	2004	2004	2004	2003	2003	2004	2004	2004	2004	2004	2004	2003

SUMMARY STATISTICS FOR 2003 CALENDAR YEAR FOR 2004 WATER YEAR WATER YEARS 2003 - 2004

ANNUAL TOTAL		216693		135204								
ANNUAL MEAN		594		369						369		
HIGHEST ANNUAL MEAN										369		2004
LOWEST ANNUAL MEAN										369		2004
HIGHEST DAILY MEAN			6730	Jul 2		5400	Sep 17		6730	Jul 2	2003	
LOWEST DAILY MEAN			175	Oct 25		105	Jul 25		105	Jul 25	2004	
ANNUAL SEVEN-DAY MINIMUM			183	Oct 19		124	Jul 19		124	Jul 19	2004	
MAXIMUM PEAK FLOW						5990	Sep 18		9010	May 7	2003	
MAXIMUM PEAK STAGE						15.09	Sep 18		17.53	May 7	2003	
INSTANTANEOUS LOW FLOW						98	Jul 25					
ANNUAL RUNOFF (CFSM)			2.79			1.73				1.73		
ANNUAL RUNOFF (INCHES)			37.84			23.61				23.56		
10 PERCENT EXCEEDS			1030			635				635		
50 PERCENT EXCEEDS			327			226				226		
90 PERCENT EXCEEDS			201			138				138		

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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 LATITUDE 334401 LONGITUDE 0840343 NAD27 DRAINAGE AREA 213\* CONTRIBUTING DRAINAGE AREA DATUM 720 NGVD29

Gage height, feet  
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.38	2.47	3.13	2.84	3.16	3.27	3.02	2.39	3.03	3.81	2.17	2.16
2	2.40	2.43	2.92	2.78	3.22	3.35	2.71	5.80	2.33	7.54	2.05	3.09
3	2.28	2.40	2.79	2.75	6.10	3.21	2.62	4.58	2.15	5.15	2.17	2.50
4	2.20	2.38	3.08	2.73	4.48	3.07	2.55	3.12	2.07	3.48	2.01	2.15
5	2.19	2.76	3.52	3.11	3.70	2.99	2.46	2.63	1.98	4.37	2.25	2.01
6	2.20	6.13	3.10	4.71	5.53	3.27	2.41	2.45	1.91	3.09	3.35	2.05
7	2.37	4.44	2.89	3.55	7.21	3.80	2.40	2.35	1.87	2.69	2.44	8.39
8	2.85	3.34	2.81	3.08	4.74	3.14	2.42	2.28	2.31	2.47	2.10	12.21
9	3.42	2.91	2.74	3.34	4.04	2.91	2.46	2.22	2.31	2.56	1.96	6.34
10	2.72	2.71	4.50	3.42	3.68	2.86	2.41	2.21	2.23	2.50	1.89	4.27
11	2.50	2.60	5.94	3.02	3.45	2.83	2.47	2.20	2.09	2.22	1.88	3.31
12	2.43	2.56	4.03	2.90	6.44	2.84	2.79	2.29	1.94	2.11	6.60	2.90
13	2.36	2.52	3.46	2.83	6.15	2.83	5.24	3.52	2.81	2.04	7.83	2.64
14	2.34	2.42	5.22	2.80	5.22	2.79	4.64	3.16	4.29	2.04	3.71	2.48
15	2.35	2.35	4.61	2.74	5.93	2.79	3.21	2.64	3.49	2.90	2.80	2.49
16	2.29	2.36	3.67	2.67	6.34	2.78	2.82	2.36	3.79	2.43	2.44	4.99
17	2.25	2.46	3.87	2.63	4.66	2.86	2.65	2.31	3.97	2.11	2.26	14.50
18	2.35	2.88	3.65	3.27	4.04	2.69	2.53	2.33	2.63	2.75	2.18	10.51
19	2.30	9.29	3.31	3.32	3.71	2.65	2.47	2.42	---	2.39	2.09	5.33
20	2.24	9.52	3.15	2.86	3.46	2.68	2.41	2.41	---	2.06	2.00	4.35
21	2.23	4.71	3.01	2.76	3.36	2.68	2.32	2.31	---	1.94	2.09	3.47
22	2.20	3.73	2.91	2.76	3.24	2.63	2.28	2.85	2.82	1.89	2.06	3.10
23	2.15	3.28	2.94	2.62	3.19	2.52	2.26	4.36	4.25	1.85	1.97	2.88
24	2.14	3.17	4.49	2.57	3.34	2.53	2.25	2.91	4.07	1.81	1.93	2.72
25	2.11	3.32	3.96	5.46	3.34	2.55	2.26	2.39	2.94	1.78	1.99	2.58
26	3.34	2.93	3.24	9.81	3.96	---	2.31	2.22	4.59	4.08	2.48	2.52
27	7.50	2.93	3.04	5.79	4.60	---	2.98	2.14	3.74	3.27	2.14	3.91
28	4.33	5.28	2.94	4.34	3.90	---	2.44	2.08	7.38	4.64	1.97	11.33
29	3.19	4.41	3.01	3.83	3.43	---	2.26	2.04	5.80	2.89	1.90	7.29
30	2.78	3.45	3.24	3.58	---	3.15	2.23	2.09	3.83	3.26	1.95	4.52
31	2.59	---	3.17	3.35	---	3.68	---	2.45	---	2.42	1.92	---
MEAN	2.68	3.60	3.49	3.49	4.40	---	2.68	2.69	---	2.92	2.53	4.77
MAX	7.50	9.52	5.94	9.81	7.21	---	5.24	5.80	---	7.54	7.83	14.50
MIN	2.11	2.35	2.74	2.57	3.16	---	2.23	2.04	---	1.78	1.88	2.01

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Precipitation, total, inches  
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
 DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	---	0.01	0.32	0.00	---	0.00	0.73
2	0.00	0.01	0.00	0.00	0.58	0.00	0.00	0.64	0.00	---	0.00	0.47
3	0.00	0.00	0.05	0.00	0.05	0.00	0.00	0.00	0.00	---	0.00	0.00
4	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
5	0.00	1.11	0.00	0.61	0.00	0.00	0.00	0.00	0.00	---	1.48	0.00
6	0.03	0.04	0.00	0.00	1.29	0.21	0.00	0.00	0.00	---	0.00	0.20
7	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	---	0.00	3.63
8	0.01	0.00	0.00	0.05	0.00	0.00	0.03	0.00	0.28	0.00	0.00	0.03
9	0.00	0.00	0.00	0.27	0.00	0.05	0.00	0.10	0.01	0.00	0.00	0.00
10	0.17	0.00	1.00	0.02	0.02	0.00	0.00	0.01	0.00	0.00	0.01	0.00
11	0.03	0.00	0.00	0.00	0.22	0.00	0.14	0.03	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.14	0.00	0.48	1.45	---	0.00	1.95	0.00
13	0.00	0.00	0.49	0.00	0.00	0.00	0.42	0.21	---	0.00	0.00	0.00
14	0.01	0.00	0.26	0.00	0.54	0.00	0.01	0.00	---	0.27	0.00	0.00
15	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00	---	0.00	0.00	0.00
16	0.00	0.00	0.17	0.00	0.00	0.10	0.00	0.01	---	0.00	0.00	3.47
17	0.09	0.07	0.19	0.29	0.00	0.00	0.00	0.01	---	0.33	0.00	0.20
18	0.01	0.52	0.00	0.13	0.00	0.01	0.00	0.00	---	0.02	0.00	0.00
19	0.00	1.04	0.00	0.00	0.00	0.00	0.00	0.09	---	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.01	0.00
21	0.00	0.00	0.00	0.00	0.02	0.10	0.00	0.00	---	0.00	0.10	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	---	0.00	0.01	0.00
23	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00
24	0.00	0.19	0.01	0.00	0.09	0.00	0.00	0.00	---	0.00	0.00	0.00
25	0.00	0.00	0.00	2.42	---	0.00	0.00	0.00	---	0.81	0.00	0.00
26	1.52	0.00	0.00	0.16	---	0.00	0.30	0.00	---	0.20	0.00	0.00
27	0.01	0.56	0.00	0.01	---	0.00	0.00	0.00	---	0.22	0.00	1.88
28	0.00	0.36	0.00	0.00	---	0.00	0.00	0.03	---	0.00	0.00	0.00
29	0.00	0.00	0.07	0.00	---	0.00	0.00	0.00	---	0.05	0.00	0.00
30	0.00	0.00	0.08	0.00	---	0.36	0.04	0.00	---	0.00	0.04	0.00
31	0.00	---	0.00	0.00	---	0.14	---	0.37	---	0.00	0.00	---
TOTAL	1.92	3.90	3.22	3.96	---	---	1.43	3.62	---	---	3.60	10.61