

Water-Data Report 2007

02343240 WALTER F. GEORGE RESERVOIR NEAR FORT GAINES, GA

Apalachicola Basin
Middle Chattahoochee-Walter F. George Reservoir Subbasin

LOCATION.--Lat 31°37'44", long 85°04'21" referenced to North American Datum of 1927, Clay County, GA, Hydrologic Unit 03130003, at forebay of dam on Chattahoochee River, 1.6 miles upstream from bridge on GA 37, 1.0 mile north of Fort Gaines, and at mile 75.0.

DRAINAGE AREA.--7,460 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 2007 to September 2007. Elevation records collected at same site since 1963 to May 2007 in files of the U.S. Army Corps of Engineers.

GAGE.--Satellite telemetry with a water-stage recorder. Datum of gage is 0.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by US Army Corps of Engineers).

COOPERATION.--U.S. Army Corps of Engineers, Mobile District.

REMARKS.--Records good. Lake is formed by concrete gravity dam. Spillway (crest elevation, 206.6 feet) is equipped with fourteen tainter gates 42 feet wide by 29 feet high and one lock, 90 feet wide, with top of upper sill elevation of 172.0 feet. Total capacity at elevation 190 feet, top of gates, is 934,400 acre-feet. Lake is used for flood control and power. Records furnished by U.S. Army Corps of Engineers.

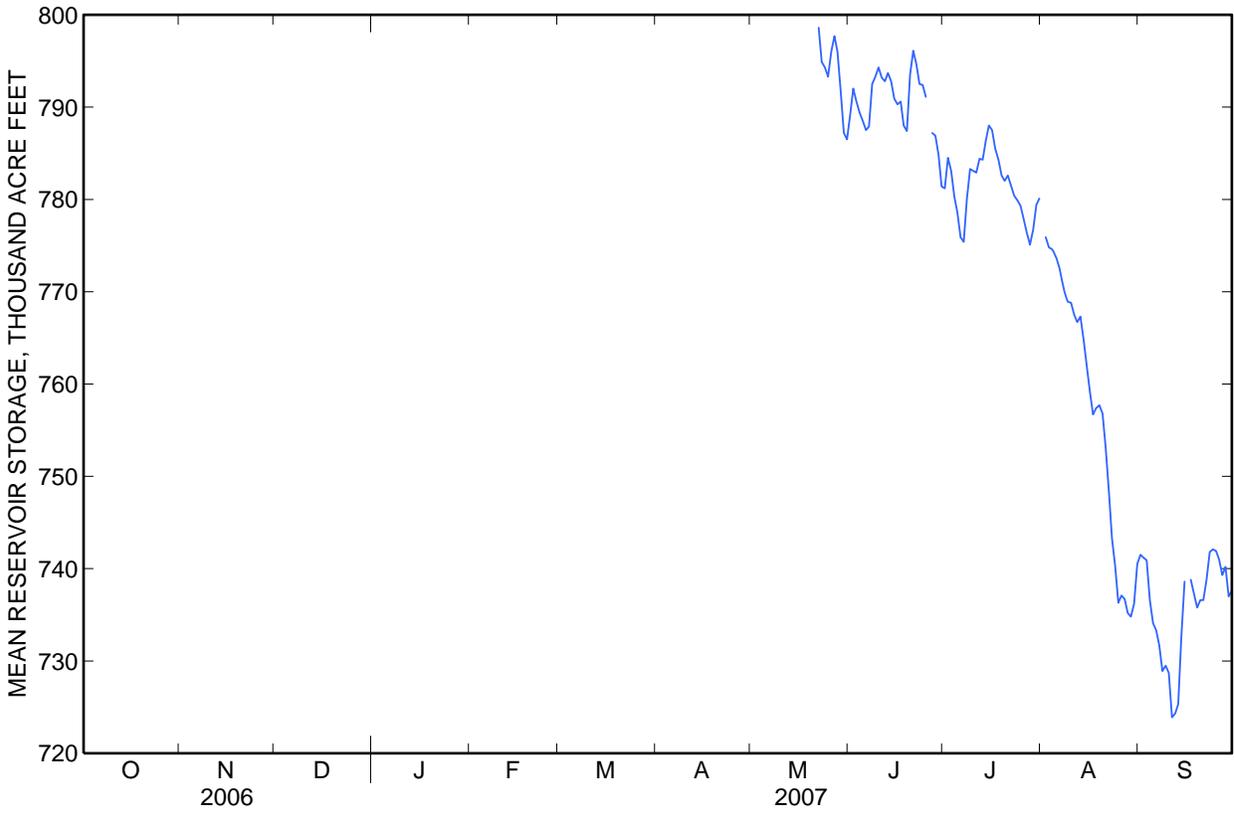
EXTREMES FOR CURRENT YEAR.--Maximum contents (partial year), 806,700 acre-feet, June 9; maximum elevation recorded (partial year), 187.03 feet, June 9; minimum contents (partial year), 719,700 acre-feet, September 11; minimum elevation recorded (partial year), 184.80 feet, September 11.

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RESERVOIR STORAGE, THOUSAND ACRE FEET
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	789.2	781.2	---	741.5
2	---	---	---	---	---	---	---	---	792.0	784.5	775.9	741.2
3	---	---	---	---	---	---	---	---	790.6	783.1	774.8	740.9
4	---	---	---	---	---	---	---	---	789.4	780.3	774.6	736.6
5	---	---	---	---	---	---	---	---	788.5	778.6	774.0	734.1
6	---	---	---	---	---	---	---	---	787.5	775.9	772.9	733.3
7	---	---	---	---	---	---	---	---	787.9	775.4	771.4	731.7
8	---	---	---	---	---	---	---	---	792.5	780.1	770.0	728.9
9	---	---	---	---	---	---	---	---	793.3	783.3	768.9	729.5
10	---	---	---	---	---	---	---	---	794.3	783.1	768.8	728.7
11	---	---	---	---	---	---	---	---	793.2	782.9	767.5	723.9
12	---	---	---	---	---	---	---	---	792.8	784.4	766.7	724.3
13	---	---	---	---	---	---	---	---	793.7	784.3	767.3	725.3
14	---	---	---	---	---	---	---	---	792.8	786.4	764.8	732.7
15	---	---	---	---	---	---	---	---	790.9	788.0	761.9	738.6
16	---	---	---	---	---	---	---	---	790.3	787.5	759.1	---
17	---	---	---	---	---	---	---	---	790.6	785.5	756.7	738.8
18	---	---	---	---	---	---	---	---	788.0	784.3	757.4	737.3
19	---	---	---	---	---	---	---	---	787.4	782.6	757.7	735.8
20	---	---	---	---	---	---	---	---	793.5	782.0	756.8	736.6
21	---	---	---	---	---	---	---	---	796.1	782.6	753.0	736.6
22	---	---	---	---	---	---	---	798.6	794.6	781.5	748.3	738.8
23	---	---	---	---	---	---	---	794.9	792.5	780.4	743.3	741.8
24	---	---	---	---	---	---	---	794.3	792.4	779.9	740.3	742.1
25	---	---	---	---	---	---	---	793.3	791.1	779.3	736.3	741.9
26	---	---	---	---	---	---	---	796.0	---	777.9	737.1	741.0
27	---	---	---	---	---	---	---	797.7	787.2	776.4	736.7	739.3
28	---	---	---	---	---	---	---	796.0	786.9	775.1	735.2	740.2
29	---	---	---	---	---	---	---	791.8	784.8	776.7	734.8	737.0
30	---	---	---	---	---	---	---	787.2	781.4	779.4	736.2	737.6
31	---	---	---	---	---	---	---	786.5	---	780.1	740.5	---
Total	---	---	---	---	---	---	---	---	---	24,222.7	---	---
Mean	---	---	---	---	---	---	---	---	---	781.4	---	---
Max	---	---	---	---	---	---	---	---	---	788.0	---	---
Min	---	---	---	---	---	---	---	---	---	775.1	---	---

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ELEVATION OF RESERVOIR WATER SURFACE ABOVE DATUM, FEET
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	186.59	186.39	---	185.37
2	---	---	---	---	---	---	---	---	186.66	186.47	186.26	185.37
3	---	---	---	---	---	---	---	---	186.63	186.44	186.23	185.36
4	---	---	---	---	---	---	---	---	186.60	186.37	186.22	185.25
5	---	---	---	---	---	---	---	---	186.57	186.33	186.21	185.18
6	---	---	---	---	---	---	---	---	186.55	186.26	186.18	185.16
7	---	---	---	---	---	---	---	---	186.56	186.25	186.14	185.12
8	---	---	---	---	---	---	---	---	186.67	186.36	186.11	185.05
9	---	---	---	---	---	---	---	---	186.70	186.44	186.08	185.06
10	---	---	---	---	---	---	---	---	186.72	186.44	186.08	185.04
11	---	---	---	---	---	---	---	---	186.69	186.43	186.05	184.91
12	---	---	---	---	---	---	---	---	186.68	186.47	186.03	184.92
13	---	---	---	---	---	---	---	---	186.71	186.47	186.04	184.95
14	---	---	---	---	---	---	---	---	186.68	186.52	185.98	185.15
15	---	---	---	---	---	---	---	---	186.63	186.56	185.90	185.30
16	---	---	---	---	---	---	---	---	186.62	186.55	185.83	---
17	---	---	---	---	---	---	---	---	186.63	186.50	185.77	185.30
18	---	---	---	---	---	---	---	---	186.56	186.47	185.79	185.27
19	---	---	---	---	---	---	---	---	186.55	186.43	185.79	185.23
20	---	---	---	---	---	---	---	---	186.70	186.41	185.77	185.25
21	---	---	---	---	---	---	---	---	186.76	186.43	185.67	185.25
22	---	---	---	---	---	---	---	186.83	186.73	186.40	185.55	185.30
23	---	---	---	---	---	---	---	186.73	186.67	186.37	185.42	185.38
24	---	---	---	---	---	---	---	186.72	186.67	186.36	185.34	185.39
25	---	---	---	---	---	---	---	186.70	186.64	186.34	185.24	185.39
26	---	---	---	---	---	---	---	186.76	---	186.31	185.26	185.36
27	---	---	---	---	---	---	---	186.80	186.54	186.27	185.25	185.32
28	---	---	---	---	---	---	---	186.76	186.53	186.24	185.21	185.34
29	---	---	---	---	---	---	---	186.66	186.48	186.28	185.20	185.26
30	---	---	---	---	---	---	---	186.54	186.40	186.35	185.24	185.27
31	---	---	---	---	---	---	---	186.52	---	186.36	185.35	---
Mean	---	---	---	---	---	---	---	---	---	186.40	---	---
Max	---	---	---	---	---	---	---	---	---	186.56	---	---
Min	---	---	---	---	---	---	---	---	---	186.24	---	---

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