

Water-Data Report 2012

**02334400 LAKE SIDNEY LANIER NEAR BUFORD, GA**

Apalachicola Basin  
Upper Chattahoochee Subbasin

LOCATION.--Lat 34°09'45", long 84°04'32" referenced to North American Datum of 1927, Forsyth County, GA, Hydrologic Unit 03130001, at forebay of dam on Chattahoochee River, 2.5 miles upstream from bridge on GA 20, 4.5 miles northwest of Buford, and at mile 348.3.

DRAINAGE AREA.--1,034 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--June 2007 to current year. Elevation records collected at same site since February 1957 to June 2007 in files of the U.S. Army Corps of Engineers.

GAGE.--Satellite telemetry with a water-stage recorder. Datum of gage is 0.23 feet below North American Vertical Datum (NAVD) of 1988 (levels by U.S. Army Corps of Engineers).

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

REMARKS.--Records are good. Lake is formed by a rolled-fill earth dam. Storage began in January 1956; dam completed in June 1957. Usable capacity, 1,686,000 acre-feet between elevations 1035 feet and 1085 feet. Dead storage 868,000 acre-feet. Capacity table furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 2,037,000 acre-feet, November 13, 2009; maximum elevation recorded, 1073.05 feet, November 13, 2009; minimum contents, 1,272,000 acre-feet, December 28, 2007; minimum elevation recorded, 1050.72 feet, December 28, 2007.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum contents, 2,205,200 acre-feet, April 14, 1964; maximum elevation, 1,077.20 feet, April 14, 1964; minimum contents, after beginning operation, 1,329,300 acre-feet, December 23, 24 1981; minimum elevation, 1,052.66 feet, December 23, 24 1981.

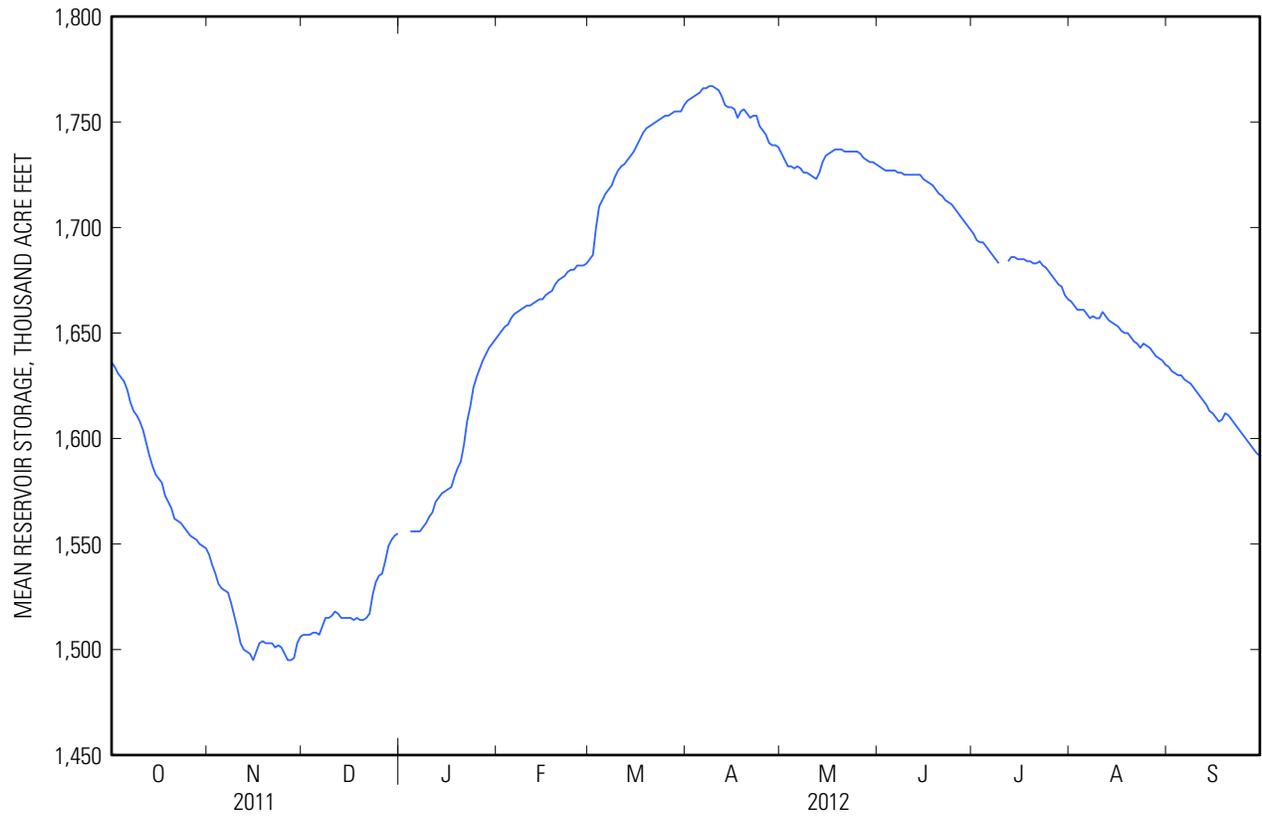
EXTREMES FOR CURRENT YEAR.--Maximum contents, 2,002,000 acre-feet, April 18; maximum elevation recorded, 1072.16 feet, April 18; minimum contents, 1,636,000 acre-feet, September 30; minimum elevation recorded, 1062.22 feet, September 30.

## 02334400 LAKE SIDNEY LANIER NEAR BUFORD, GA—Continued

**RESERVOIR STORAGE, THOUSAND ACRE 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	1,636	1,545	1,507	---	1,649	1,685	1,760	1,735	1,729	1,697	1,665	1,634
2	1,634	1,540	1,507	---	1,651	1,687	1,761	1,732	1,728	1,694	1,663	1,632
3	1,631	1,536	1,507	---	1,653	1,700	1,762	1,729	1,727	1,693	1,661	1,631
4	1,629	1,531	1,508	1,556	1,654	1,710	1,763	1,729	1,727	1,693	1,661	1,630
5	1,627	1,529	1,508	1,556	1,657	1,713	1,764	1,728	1,727	1,691	1,661	1,630
6	1,623	1,528	1,507	1,556	1,659	1,716	1,766	1,729	1,727	1,689	1,659	1,628
7	1,617	1,527	1,511	1,556	1,660	1,718	1,766	1,728	1,726	1,687	1,657	1,627
8	1,613	1,522	1,515	1,558	1,661	1,720	1,767	1,726	1,726	1,685	1,658	1,626
9	1,611	1,516	1,515	1,560	1,662	1,724	1,767	1,726	1,725	1,683	1,657	1,624
10	1,608	1,510	1,516	1,563	1,663	1,727	1,766	1,725	1,725	---	1,657	1,622
11	1,604	1,503	1,518	1,565	1,663	1,729	1,765	1,724	1,725	---	1,660	1,620
12	1,598	1,500	1,517	1,570	1,664	1,730	1,762	1,723	1,725	1,684	1,658	1,618
13	1,592	1,499	1,515	1,572	1,665	1,732	1,758	1,726	1,725	1,686	1,656	1,616
14	1,587	1,498	1,515	1,574	1,666	1,734	1,757	1,731	1,725	1,686	1,655	1,613
15	1,583	1,495	1,515	1,575	1,666	1,736	1,757	1,734	1,723	1,685	1,654	1,612
16	1,581	1,499	1,515	1,576	1,668	1,739	1,756	1,735	1,722	1,685	1,653	1,610
17	1,579	1,503	1,514	1,577	1,669	1,742	1,752	1,736	1,721	1,685	1,651	1,608
18	1,573	1,504	1,515	1,582	1,670	1,745	1,755	1,737	1,720	1,684	1,650	1,609
19	1,570	1,503	1,514	1,586	1,673	1,747	1,756	1,737	1,718	1,684	1,650	1,612
20	1,567	1,503	1,514	1,589	1,675	1,748	1,754	1,737	1,716	1,683	1,648	1,611
21	1,562	1,503	1,515	1,597	1,676	1,749	1,752	1,736	1,715	1,683	1,646	1,609
22	1,561	1,501	1,517	1,608	1,677	1,750	1,753	1,736	1,713	1,684	1,645	1,607
23	1,560	1,502	1,526	1,615	1,679	1,751	1,753	1,736	1,712	1,682	1,643	1,605
24	1,558	1,501	1,532	1,624	1,680	1,752	1,748	1,736	1,711	1,681	1,645	1,603
25	1,556	1,498	1,535	1,629	1,680	1,753	1,746	1,736	1,709	1,679	1,644	1,601
26	1,554	1,495	1,536	1,633	1,682	1,753	1,744	1,735	1,707	1,677	1,643	1,599
27	1,553	1,495	1,542	1,637	1,682	1,754	1,740	1,733	1,705	1,675	1,641	1,597
28	1,552	1,496	1,549	1,640	1,682	1,755	1,739	1,732	1,703	1,673	1,639	1,595
29	1,550	1,503	1,552	1,643	1,683	1,755	1,739	1,731	1,701	1,672	1,638	1,593
30	1,549	1,506	1,554	1,645	---	1,755	1,738	1,731	1,699	1,668	1,637	1,592
31	1,548	---	1,555	1,647	---	1,758	---	1,730	---	1,666	1,635	---
<b>Total</b>	49,166	45,291	47,166	---	48,369	53,767	52,666	53,679	51,562	---	51,190	48,414
<b>Mean</b>	1,586	1,510	1,521	---	1,668	1,734	1,756	1,732	1,719	---	1,651	1,614
<b>Max</b>	1,636	1,545	1,555	---	1,683	1,758	1,767	1,737	1,729	---	1,665	1,634
<b>Min</b>	1,548	1,495	1,507	---	1,649	1,685	1,738	1,723	1,699	---	1,635	1,592

02334400 LAKE SIDNEY LANIER NEAR BUFORD, GA—Continued

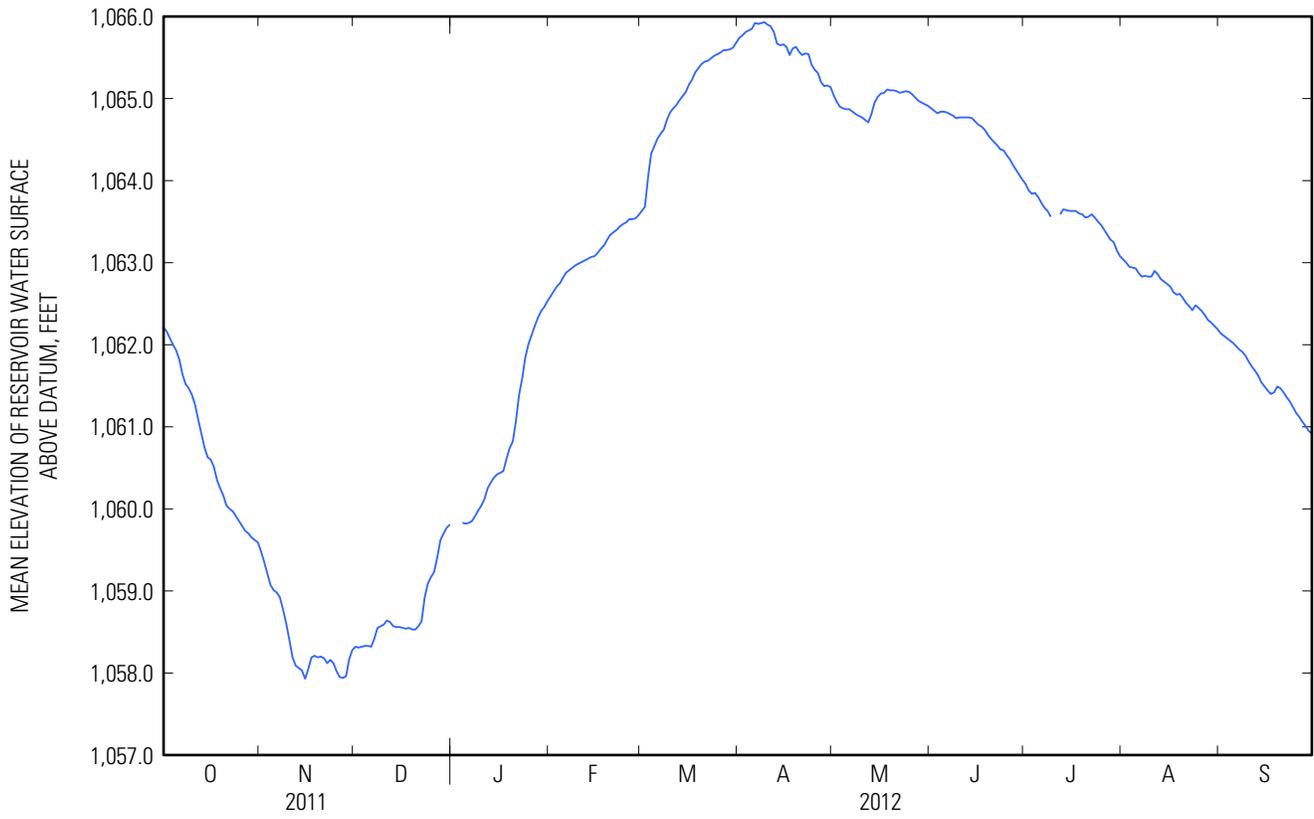


## 02334400 LAKE SIDNEY LANIER NEAR BUFORD, GA—Continued

**ELEVATION OF RESERVOIR WATER SURFACE ABOVE DATUM, 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	1,062.21	1,059.48	1,058.32	---	1,062.59	1,063.63	1,065.74	1,065.04	1,064.88	1,063.96	1,063.04	1,062.14
2	1,062.16	1,059.35	1,058.31	---	1,062.65	1,063.68	1,065.77	1,064.96	1,064.85	1,063.88	1,063.00	1,062.11
3	1,062.08	1,059.21	1,058.32	---	1,062.71	1,064.04	1,065.81	1,064.90	1,064.82	1,063.84	1,062.95	1,062.08
4	1,062.00	1,059.07	1,058.33	1,059.83	1,062.75	1,064.33	1,065.83	1,064.88	1,064.84	1,063.85	1,062.94	1,062.05
5	1,061.93	1,059.01	1,058.33	1,059.82	1,062.82	1,064.42	1,065.85	1,064.87	1,064.84	1,063.80	1,062.93	1,062.02
6	1,061.82	1,058.98	1,058.32	1,059.83	1,062.88	1,064.51	1,065.92	1,064.87	1,064.83	1,063.73	1,062.87	1,061.98
7	1,061.64	1,058.92	1,058.42	1,059.85	1,062.91	1,064.57	1,065.91	1,064.84	1,064.81	1,063.67	1,062.83	1,061.94
8	1,061.52	1,058.77	1,058.55	1,059.91	1,062.94	1,064.62	1,065.92	1,064.81	1,064.79	1,063.63	1,062.84	1,061.91
9	1,061.47	1,058.60	1,058.57	1,059.98	1,062.97	1,064.74	1,065.93	1,064.79	1,064.76	1,063.56	1,062.83	1,061.86
10	1,061.39	1,058.40	1,058.59	1,060.04	1,062.99	1,064.83	1,065.90	1,064.77	1,064.77	---	1,062.83	1,061.79
11	1,061.27	1,058.19	1,058.64	1,060.12	1,063.01	1,064.88	1,065.88	1,064.74	1,064.77	---	1,062.90	1,061.73
12	1,061.09	1,058.09	1,058.62	1,060.25	1,063.03	1,064.92	1,065.81	1,064.71	1,064.77	1,063.59	1,062.86	1,061.68
13	1,060.92	1,058.06	1,058.57	1,060.32	1,063.05	1,064.98	1,065.67	1,064.81	1,064.77	1,063.65	1,062.80	1,061.62
14	1,060.75	1,058.03	1,058.56	1,060.38	1,063.07	1,065.03	1,065.65	1,064.95	1,064.76	1,063.64	1,062.77	1,061.54
15	1,060.63	1,057.93	1,058.56	1,060.42	1,063.08	1,065.08	1,065.66	1,065.02	1,064.72	1,063.63	1,062.74	1,061.49
16	1,060.60	1,058.05	1,058.55	1,060.44	1,063.12	1,065.17	1,065.63	1,065.06	1,064.68	1,063.63	1,062.71	1,061.44
17	1,060.51	1,058.19	1,058.54	1,060.46	1,063.17	1,065.23	1,065.53	1,065.07	1,064.66	1,063.63	1,062.64	1,061.40
18	1,060.35	1,058.21	1,058.55	1,060.61	1,063.21	1,065.32	1,065.61	1,065.11	1,064.62	1,063.60	1,062.61	1,061.42
19	1,060.25	1,058.19	1,058.53	1,060.74	1,063.28	1,065.37	1,065.63	1,065.10	1,064.56	1,063.59	1,062.62	1,061.49
20	1,060.16	1,058.20	1,058.53	1,060.82	1,063.34	1,065.42	1,065.57	1,065.10	1,064.51	1,063.55	1,062.57	1,061.47
21	1,060.04	1,058.18	1,058.57	1,061.07	1,063.37	1,065.45	1,065.53	1,065.09	1,064.47	1,063.56	1,062.51	1,061.42
22	1,060.00	1,058.12	1,058.63	1,061.39	1,063.40	1,065.46	1,065.55	1,065.07	1,064.43	1,063.59	1,062.47	1,061.36
23	1,059.97	1,058.16	1,058.92	1,061.59	1,063.44	1,065.49	1,065.54	1,065.08	1,064.38	1,063.55	1,062.42	1,061.31
24	1,059.91	1,058.12	1,059.09	1,061.85	1,063.47	1,065.52	1,065.41	1,065.09	1,064.37	1,063.50	1,062.48	1,061.24
25	1,059.85	1,058.02	1,059.17	1,062.01	1,063.49	1,065.54	1,065.35	1,065.08	1,064.31	1,063.46	1,062.45	1,061.17
26	1,059.79	1,057.95	1,059.23	1,062.12	1,063.53	1,065.56	1,065.31	1,065.05	1,064.26	1,063.40	1,062.41	1,061.12
27	1,059.73	1,057.94	1,059.41	1,062.23	1,063.53	1,065.59	1,065.20	1,065.01	1,064.19	1,063.34	1,062.36	1,061.06
28	1,059.70	1,057.96	1,059.62	1,062.33	1,063.54	1,065.59	1,065.15	1,064.97	1,064.13	1,063.28	1,062.30	1,061.01
29	1,059.65	1,058.17	1,059.70	1,062.41	1,063.58	1,065.60	1,065.16	1,064.95	1,064.07	1,063.25	1,062.27	1,060.95
30	1,059.62	1,058.28	1,059.77	1,062.46	---	1,065.62	1,065.14	1,064.93	1,064.01	1,063.15	1,062.23	1,060.92
31	1,059.59	---	1,059.81	1,062.53	---	1,065.68	---	1,064.91	---	1,063.08	1,062.19	---
<b>Total</b>	32,882.60	31,751.83	32,821.63	---	30,830.92	33,015.87	31,968.56	33,013.63	31,937.63	---	32,942.37	31,846.72
<b>Mean</b>	1,060.73	1,058.39	1,058.76	---	1,063.13	1,065.03	1,065.62	1,064.96	1,064.59	---	1,062.66	1,061.56
<b>Max</b>	1,062.21	1,059.48	1,059.81	---	1,063.58	1,065.68	1,065.93	1,065.11	1,064.88	---	1,063.04	1,062.14
<b>Min</b>	1,059.59	1,057.93	1,058.31	---	1,062.59	1,063.63	1,065.14	1,064.71	1,064.01	---	1,062.19	1,060.92

02334400 LAKE SIDNEY LANIER NEAR BUFORD, GA—Continued



02334400 LAKE SIDNEY LANIER NEAR BUFORD, GA—Continued

CLIMATOLOGICAL RECORDS

PERIOD OF RECORD.--June 2007 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	0.00	---	---	---	---	---	---	---	---	---	---	---
7	0.00	---	---	---	---	---	---	---	---	---	---	---
8	0.00	---	---	---	---	---	---	---	---	---	---	---
9	0.00	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
<b>Total</b>	---	---	---	---	---	---	---	---	---	---	---	---

02334400 LAKE SIDNEY LANIER NEAR BUFORD, GA—Continued

