



Water-Data Report 2006

**01323500 GREAT SACANDAGA LAKE AT CONKLINGVILLE, NY**

Upper Hudson Basin  
Sacandaga Subbasin

LOCATION.--Lat 43°18'57", long 73°55'39" referenced to North American Datum of 1927, Saratoga County, NY, Hydrologic Unit 02020002, 800 ft upstream from right end of Conklingville Dam on Sacandaga River at Conklingville.

DRAINAGE AREA.--1,044 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--January 1930 to current year. Prior to October 1969, published as "Sacandaga Reservoir at Conklingville."

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929, adjustment of 1912. Prior to Apr. 23, 1930, nonrecording gage at same datum in outlet channel 800 ft downstream.

COOPERATION.--Supplemental records provided by Board of Hudson River-Black River Regulating District.

REMARKS.--Reservoir is formed by earth and concrete dam; storage began in March 1930; dam completed in 1930. Usable capacity for stream regulation, 29.920 bil ft<sup>3</sup> between elevations 740.0 ft and 771.0 ft (spillway crest). Elevation of inverts of three Dow valves is 699.0 ft. Capacity of 7.800 bil ft<sup>3</sup> below elevation 740.0 ft is considered dead storage, except for extraordinary emergencies or for necessary inspection of structures. Purpose of reservoir is to provide flood control and low-water stream regulation for sanitary improvement, navigation, and power, as required by the public welfare, including public health and safety. Area of water surface of reservoir filled to capacity, elevation, 771.0 ft, is 41.7 mi<sup>2</sup>. Satellite and telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 773.53 ft, June 30, 2006, contents, 40.696 bil ft<sup>3</sup>; minimum since first filling, 729.55 ft, Mar. 30, 1940, contents, 2.100 bil ft<sup>3</sup>.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 773.53 ft, June 30, contents, 40.696 bil ft<sup>3</sup>; minimum, 758.35 ft, Oct. 7, contents, 23.920 bil ft<sup>3</sup>.

Capacity table (including dead storage)  
(elevation, in feet, and contents in billions of cubic feet)

738	6.43	760	25.61
740	7.80	764	29.85
745	11.64	768	34.27
750	15.94	771	37.72
755	20.61	774	41.26

## 01323500 GREAT SACANDAGA LAKE AT CONKLINGVILLE, NY—Continued

**ELEVATION ABOVE NGVD 1929, FEET**  
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	759.02	766.81	770.05	765.19	768.29	765.94	764.31	769.66	769.87	773.21	767.63	763.08
2	758.95	766.88	770.27	765.09	768.30	765.66	764.52	769.49	770.01	772.76	767.40	762.82
3	758.87	767.02	770.21	764.98	768.41	765.42	764.68	769.30	770.21	772.20	767.15	762.75
4	758.79	767.01	770.09	764.84	768.80	765.17	764.94	769.11	770.85	771.66	766.88	762.73
5	758.68	766.97	769.99	764.70	769.42	764.92	765.24	768.91	771.18	771.15	766.61	762.65
6	758.58	766.93	769.81	764.54	770.06	764.65	765.48	768.61	771.02	770.84	766.34	762.59
7	758.48	766.97	769.63	764.33	770.07	764.39	765.62	768.31	770.93	770.59	766.09	762.56
8	758.82	766.85	769.38	764.10	769.95	764.13	765.77	768.11	770.93	770.32	765.77	762.50
9	759.63	766.81	769.22	763.91	770.03	763.88	765.87	768.17	770.87	770.05	765.50	762.45
10	760.08	767.52	769.06	763.70	769.93	763.67	765.94	768.24	770.89	769.74	765.19	762.34
11	760.29	768.16	768.83	763.48	769.78	763.47	765.93	768.30	770.77	769.48	764.88	762.25
12	760.42	768.53	768.65	763.36	769.65	763.31	765.91	768.41	770.56	769.23	764.71	762.18
13	760.52	768.78	768.35	763.20	769.49	763.22	765.95	769.03	770.36	769.42	764.62	762.08
14	760.57	768.94	768.05	763.13	769.31	764.02	766.01	769.64	770.16	769.69	764.53	762.00
15	761.01	768.97	767.72	763.45	769.13	765.02	766.19	770.09	769.96	769.66	764.47	761.94
16	761.68	769.44	767.47	763.57	768.95	765.54	766.27	770.40	769.76	769.60	764.33	761.87
17	762.07	770.10	767.21	763.46	768.83	765.76	766.32	770.55	769.56	769.44	764.21	761.80
18	762.37	770.15	766.93	763.75	768.68	765.84	766.34	770.54	769.39	769.21	764.11	761.72
19	762.61	770.02	766.68	765.17	768.53	765.83	766.38	770.59	769.19	768.90	764.00	761.61
20	762.75	770.01	766.45	765.98	768.33	765.70	766.41	770.65	768.99	768.61	764.03	761.54
21	762.79	770.03	766.19	766.51	768.12	765.52	766.42	770.54	768.74	768.29	763.96	761.42
22	762.74	769.99	765.93	766.98	767.89	765.33	766.47	770.47	768.50	768.16	763.88	761.28
23	762.97	769.97	765.67	767.39	767.64	765.14	767.43	770.39	768.26	768.75	763.75	761.19
24	763.24	769.83	765.43	767.73	767.42	764.94	769.27	770.31	768.00	768.92	763.64	761.17
25	763.59	769.71	765.20	768.01	767.11	764.76	770.13	770.19	767.75	768.84	763.55	761.06
26	764.73	769.43	765.16	768.20	766.83	764.60	770.32	770.07	767.68	768.65	763.48	760.96
27	765.44	769.22	765.24	768.22	766.52	764.43	770.08	769.95	768.70	768.44	763.41	760.84
28	765.89	769.02	765.18	768.17	766.22	764.25	770.01	769.80	770.90	768.22	763.37	760.74
29	766.24	768.88	765.10	768.12	---	764.08	769.94	769.59	772.94	768.06	763.34	760.77
30	766.54	769.42	765.14	768.13	---	764.05	769.82	769.42	773.39	767.90	763.34	760.72
31	766.71	---	765.21	768.21	---	764.16	---	769.66	---	767.83	763.29	---
<b>Mean</b>	761.78	768.61	767.53	765.47	768.63	764.74	766.80	769.56	770.01	769.61	764.76	761.85
<b>Max</b>	766.71	770.15	770.27	768.22	770.07	765.94	770.32	770.65	773.39	773.21	767.63	763.08
<b>Min</b>	758.48	766.81	765.10	763.13	766.22	763.22	764.31	768.11	767.68	767.83	763.29	760.72
†	32.83	36.40	31.18	34.63	32.11	29.99	36.28	36.42	40.47	33.99	29.02	26.36
††	+3047	+1375	-1947	+1289	-1045	-789	+2424	+53	+1562	-2418	-1856	-1026

	Calendar Year 2005	Water Year 2006
<b>Mean</b>	762.46	766.59
<b>Max</b>	770.62	773.39
<b>Min</b>	746.88	758.48
††	+125	+54

† Contents, in billions of cubic feet, at 2400 hours on last day of month.

†† Change in contents, equivalent in cubic feet per second.

Note: Mean elevation for May 22, 23, computed based on readings on adjacent days.

01323500 GREAT SACANDAGA LAKE AT CONKLINGVILLE, NY—Continued

