

REPORT OF CHIEF ENGINEER
HUDSON RIVER - BLACK RIVER REGULATING DISTRICT
BOARD MEETING
AUGUST 1, 2023 – MAYFIELD, NEW YORK

HUDSON RIVER AREA - JUNE SUMMARY

Reservoir Operation

Great Sacandaga Lake

The June average daily release from the Sacandaga Reservoir (Great Sacandaga Lake) was approximately 1,340 cubic feet per second (cfs). The Upper Hudson / Sacandaga River Offer of Settlement target elevation for June 30 is 766.62 feet (ft). The release of water from Great Sacandaga Lake was consistent with the Upper Hudson/Sacandaga River Offer of Settlement.

Table 1.0 - *Great Sacandaga Lake Elevation and Release*

Date	Daily Average Elevation (ft,NAVD) ⁽⁴⁾	Deviation (ft) ⁽¹⁾		Release (cfs)	
		From Average	From Offer of Settlement	Conklingville Dam	E.J. West ⁽²⁾ Hydro Plant
May 31	766.74	+0.12	-0.38	0	1,050
June 30	764.6 (e)	-0.7 (e)	-2.0 (e)	0	1,560 (e)

Notes: ⁽¹⁾ Difference between current reservoir elevation and historic average or Level 3

⁽²⁾ Release established by Regulating District

⁽³⁾ "(e)" represents estimated value

⁽⁴⁾ "NAVD" is North American Vertical Datum

Indian Lake Reservoir

The June average daily release from Indian Lake was approximately 213 cfs.

Table 2.0 - *Indian Lake Reservoir Elevation and Release*

Date	Daily Average Elevation ⁽¹⁾ (ft, NAVD)	Deviation (ft)		Release (cfs)
		From Average	From Target	
May 31	1650.47	+0.62	+0.78	172
June 30	1649.6 (e)	+0.1 (e)	+0.9 (e)	766 (e)

Notes: ⁽¹⁾ Local datum = NAVD elevation + 1617.63ft; spillway crest = 1651.01ft (33.38ft)

⁽²⁾ "(e)" represents estimated value

HUDSON RIVER AREA - JUNE SUMMARY- continued

River Flow

Hudson River flow, downstream of the confluence with the Sacandaga River, was approximately 3,700 cfs on June 30 and approximately 800 cfs below the historic average flow.

Table 3.0 - *Sacandaga, Indian, and Hudson River Flow*

River	Monthly Average Flow (cfs)	Historic Average Flow (2) (cfs)
Sacandaga at Hope	255 (e)	795
Sacandaga at Stewarts Bridge	1,340 (e)	2,100
Indian at Indian Lake Dam	213 (e)	270
Hudson at Hadley (1)	1,200 (e)	2,580

Notes: (1) Above confluence with Sacandaga River
(2) Based on USGS records
(3) "(e)" represents estimated value
(4) Gauge unavailable due to ice

Precipitation

Monthly total precipitation measured 70%, 73%, and 58% historic average at Indian Lake, Mayfield, and Conklingville, respectively, as of June 30

Table 4.0 - *Hudson River Basin Precipitation - as of June 30*

Station	Monthly Total (inch)	Historic Average (inch)
Indian Lake	2.92	4.18
Mayfield	2.89	3.94
Conklingville	2.24	3.84

HUDSON RIVER AREA - JUNE SUMMARY- continued

Operation Overview

Precipitation during the month of June was below average across the Great Sacandaga Lake watershed and the Indian Lake watershed. The monthly inflow to Great Sacandaga Lake and Indian Lake reservoir was approximately 26% and 60% of historic average, respectively. Monthly release of water from Great Sacandaga Lake and Indian Lake measured 64% and 79% of historic average, respectively.

Great Sacandaga Lake Operation

Great Sacandaga Lake operation summary report for the period June 1, 2023 through June 28, 2023 is attached. This report includes projected and forecast values for dates after June 28, 2023.

Hudson River Area Staff Activities

Staff completed routine maintenance and operations activities during the month.

A summary of Regulating District staff activities and work projects at the dam facilities is attached in the Operations Manager's Report.

BLACK RIVER AREA – JUNE SUMMARY

Reservoir Operations

Stillwater Reservoir

The June average daily release from Stillwater Reservoir was approximately 300 cfs. The maximum discharge for the month was 300 cfs.

Table 1.0 - *Stillwater Reservoir Elevation and Release*

Date	Daily Average Elevation (ft, NAVD)	Deviation from Average Elevation (ft) (1)	Release (cfs)
May 31	1,677.58	-0.87	300
June 30	1,676.9 (e)	-0.8 (e)	300 (e)

Notes: (1) Difference between current reservoir elevation and historic average

(2) "(e)" represents estimated value

Sixth Lake Reservoir

The June average daily release from Sixth Lake Reservoir was approximately 20 cfs.

Table 2.0 - *Sixth Lake Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
May 31	1,785.79	+0.02	4
June 30	1,786.1 (e)	+0.3 (e)	73 (e)

Notes: (1) Local datum = USGS datum

(2) Difference between current reservoir elevation and historic average.

(3) "(e)" represents estimated value

Old Forge Reservoir

The June average daily release from Old Forge Reservoir was approximately 57 cfs.

Table 3.0 - *Old Forge Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
May 31	1,706.88	+0.07	24
June 30	1,706.8 (e)	-0.1 (e)	115 (e)

Notes: (1) Local Datum = USGS elevation

(2) Difference between current reservoir elevation and historic average.

(3) "(e)" represents estimated value

BLACK RIVER AREA - JUNE SUMMARY - continued

River Flow

The average daily Black River flow, as measured at the Watertown gauge, was approximately 4,010 cfs on June 28.

Table 4.0 - *Moose, Independence, Beaver, and Black River Flow*

River	Monthly Average Flow (cfs)	Historic Average Flow ⁽¹⁾ (cfs)
Moose at McKeever	495 (e)	641
Beaver at Croghan	440 (e)	546
Black at Watertown	2,260 (e)	2,920

Notes: ⁽¹⁾ Based on USGS records
⁽²⁾ "(e)" represents estimated value
⁽³⁾ Stage and flow affected by ice in river

Precipitation

Monthly total precipitation measured 138%, 117%, 110% of historic average at Stillwater, Old Forge, and Sixth Lake, respectively, as of June 27.

Table 5.0 - *Black River Basin Precipitation - as of June 27*

Station	Monthly Total (inch)	Historic Average (inch)
Stillwater	6.69	4.86
Old Forge	5.29	4.52
Sixth Lake	4.69	4.26

BLACK RIVER AREA - JUNE SUMMARY - continued

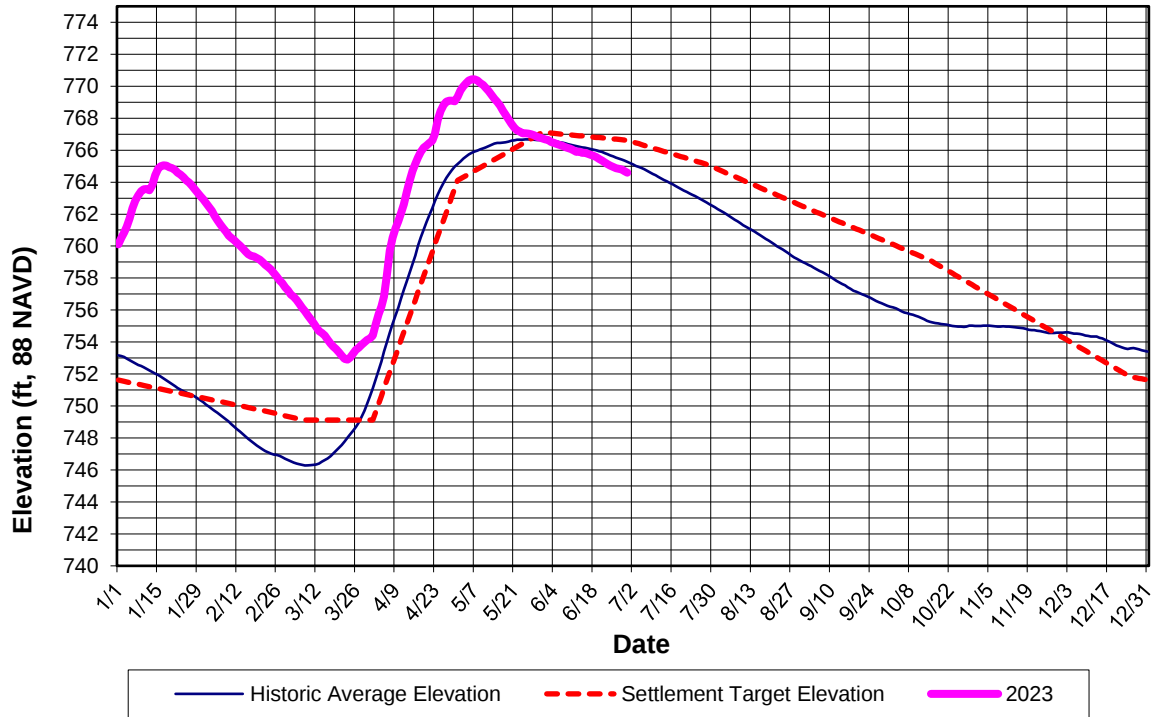
Operation Overview

Precipitation in the month of June was above average at Stillwater and above average at Old Forge and Sixth Lake Reservoir. The monthly inflow to Stillwater Reservoir was approximately 62% of historic average. The inflow to Sixth Lake and Old Forge Reservoir totaled 0.05 and 0.14 billion cubic feet, respectively, in June. Release of water from Stillwater Reservoir averaged 72% of historic discharge.

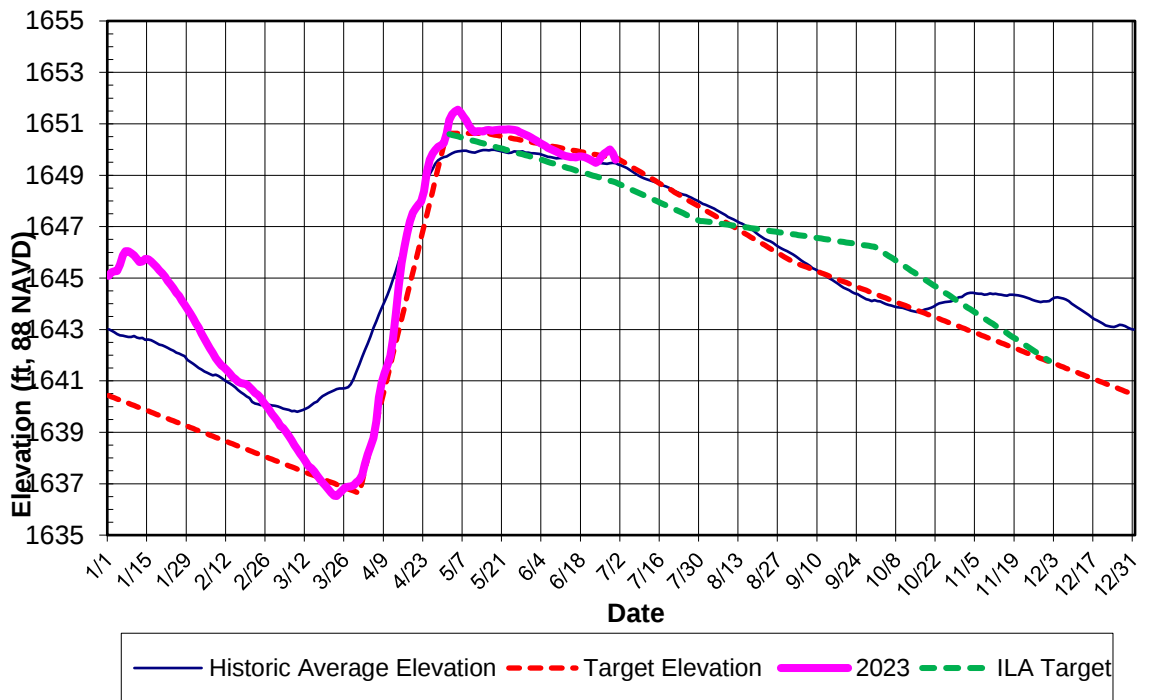
Black River Area Staff Activities

A summary of Regulating District staff activities and work projects at the dam facilities is attached in the Superintendent's Report.

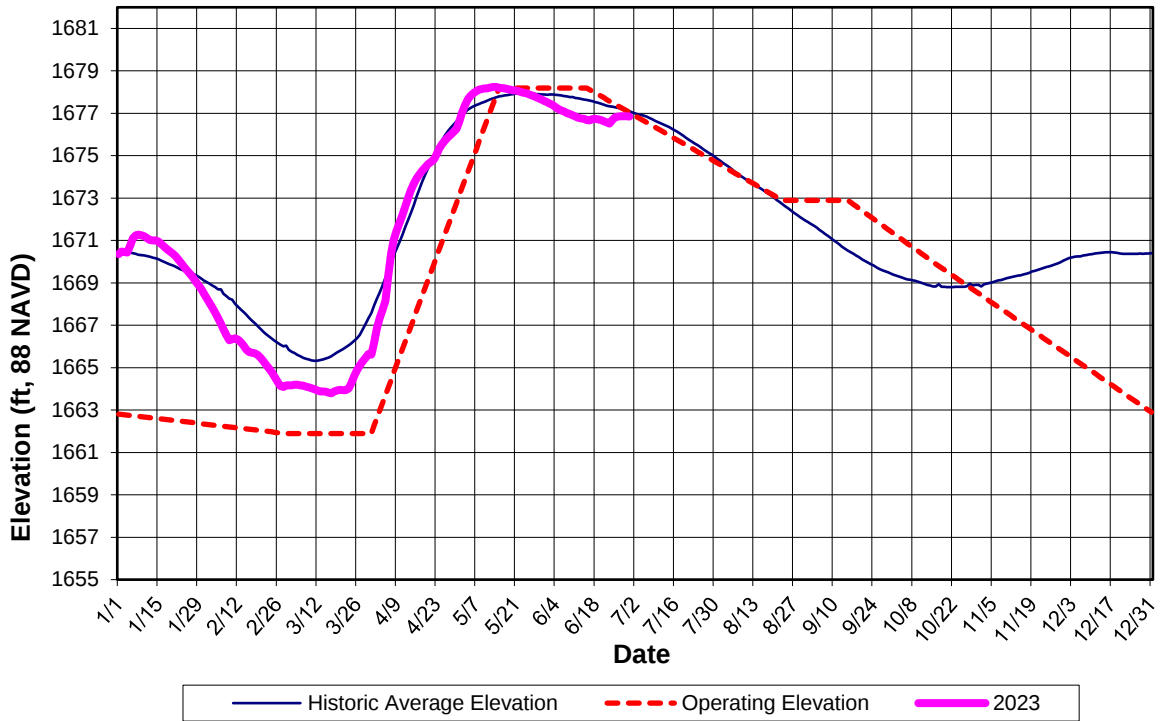
Great Sacandaga Lake 2023 Reservoir Elevation



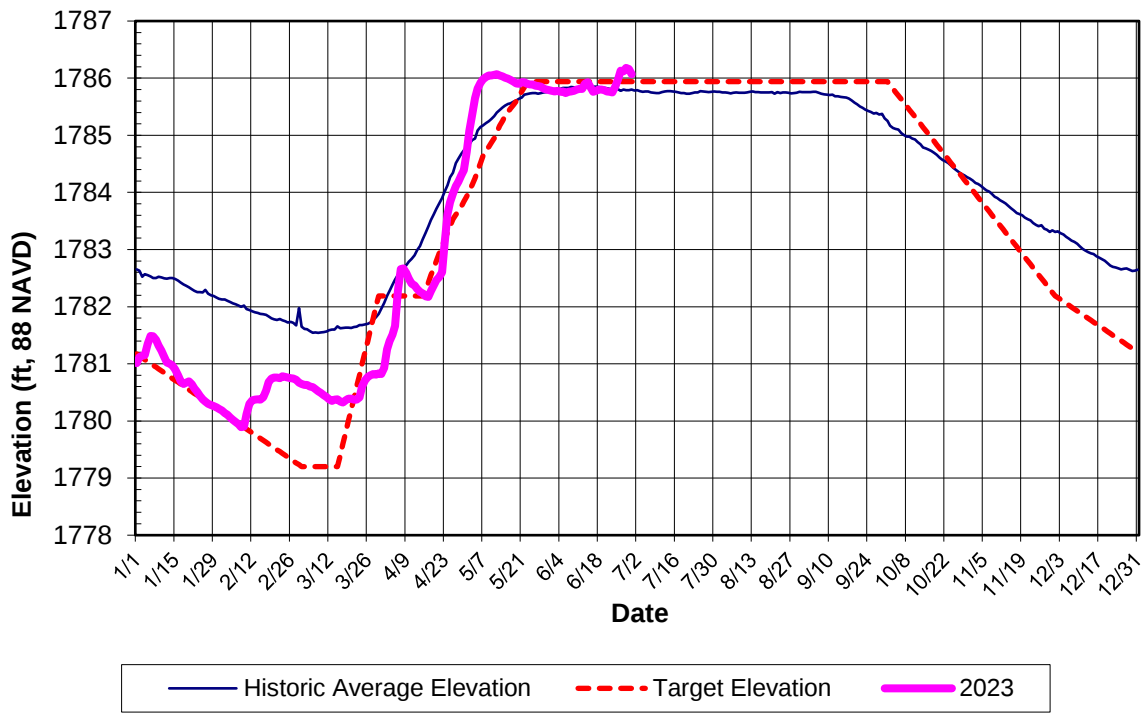
Indian Lake 2023 Reservoir Elevation



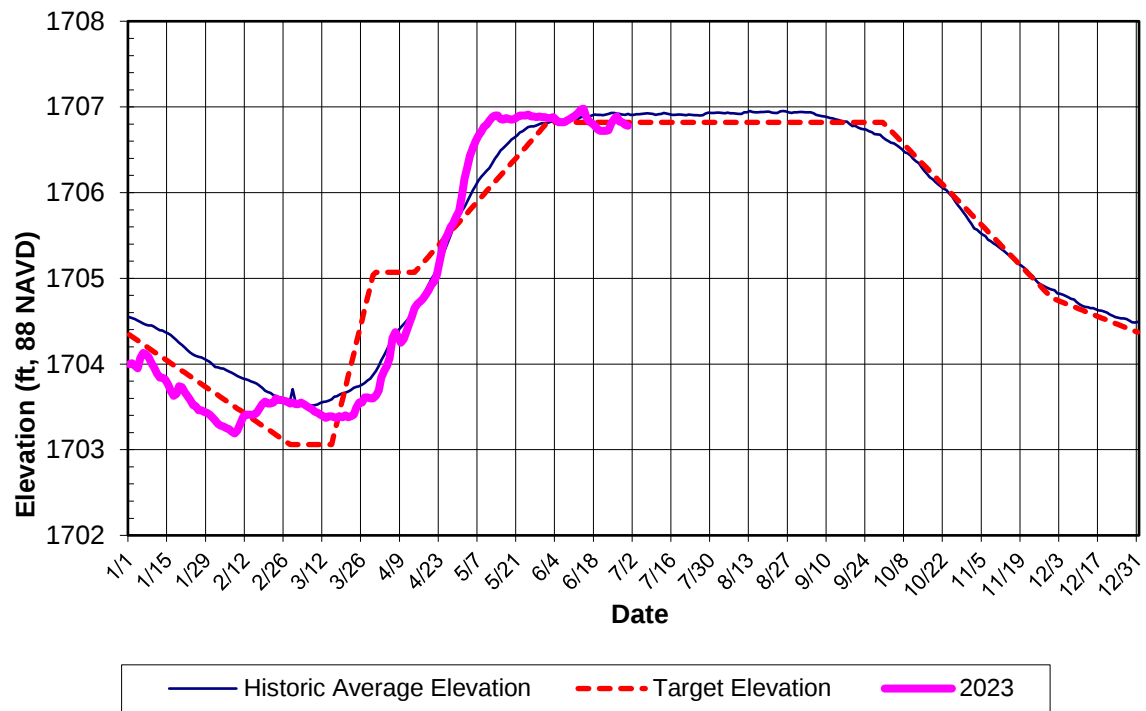
Stillwater Reservoir 2023 Reservoir Elevation



Sixth Lake 2023 Reservoir Elevation



Old Forge 2023 Reservoir Elevation



Hawkinsville Dam Remediation – Construction Progress Update

Construction activities during the month of June and July included installation of embankment core material at the east-side spillway abutment, installation of west-side concrete spillway abutment and cut-off wall, and installation of a portion of the outlet pipe.

Construction activities planned for August include installation of outlet gate, additional concrete installation at the west-side abutment and spillway extension, and placing of additional embankment material.



Installation of embankment dam core material (east side).



Installation of a section of outlet pipe at west end of spillway.



Steel reinforcement and formwork for concrete abutment wall and cut-off wall.



Concrete abutment at intake-side of outlet pipe (foreground) and pipe flange connection at cut-off wall (right side of photo).

SACANDAGA RESERVOIR ELEVATION CALCULATOR

Datum:

1988 NAVD

Settlement Parameters

Date	6/28/2023	
Target Elevation	766.65	
Actual "Level"	2.63	
"Level 2.5 threshold"	764.03	
"Level 1.2 threshold"	756.75	
Hudson River Target	Elevation	Level
Maximum Flow (cfs)	8000	7500
Minimum Flow (cfs)	n/a	1822
Min. Rec/Rafting Hours (hrs)	8	

Rafting Release at Abanakee
North Crk T, Th, Sa., Su.
Hadley M, W, F, Su.

BROOKFIELD HYDRO CONTROL CENTER: 877-816-7466

Whitewater (hrs)	Daily Avg (cfs)
3	806
4	958
5	1110
6	1263
7	1415
8	1567
* 4000 cfs/hr + base flow 350 cfs	

Daily Conditions	
Date	6/28/2023
Day of Year	6023
Starting Elevation (ft)	764.80
Average Elevation	764.77
Flow Below Hadley (cfs)	2967
Todays Release	1567
Tomorrows Release	1567

Justin St.John 518-743-2004 (w)
315-396-8194 (cell)
Jonathan Norris 518-743-2094

Dan McCarty 744-2067 Eric Johnson
Piezometers 518-696-5807 863-8791

ACTUAL High Value
SCHEDULED Low Value
ESTIMATED Instant. (min + rafting)
TO BE CHANGED
Spillway Crest 770.12 ft 88 NAVD

Starting Date 12:00 AM	Starting Elevation	Net Average Inflow	E.J. West	Sacandaga River Flow				Settlement Level	Hudson at Hadley	Hudson River Below Confluence	Hudson River Target Flow			Ending Elevation	Ending Date 12:00 AM	FL Ed Pig	Daily Average Elevation	Settlement Target Elevation	Historic Daily Average Elev.
				Valves	Spillway Average Release	Maximum (Table F - Elev.)				Minimum (Table C - Level)	Maximum (Table D - Elev.)	Maximum (Table E - Level)							
6/1/2023	766.71	300	1060	0	0	1060	5167	2.89	1110	2170	1947	8000	7500	766.65	6/2/2023		766.68	767.10	766.62
6/2/2023	766.65	500	804	0	0	804	5167	2.87	1140	1944	1933	8000	7500	766.62	6/3/2023		766.64	767.09	766.62
6/3/2023	766.62	300	1300	0	0	1300	5120	2.84	999	2299	1923	8000	7500	766.54	6/4/2023		766.58	767.07	766.61
6/4/2023	766.54	100	1320	0	0	1320	5073	2.82	1030	2350	1909	8000	7500	766.44	6/5/2023		766.49	767.05	766.59
6/5/2023	766.44	300	1060	0	0	1060	5027	2.72	933	1993	1866	8000	7500	766.38	6/6/2023		766.41	767.04	766.55
6/6/2023	766.38	200	1080	0	0	1080	5027	2.70	798	1878	1856	8000	7500	766.31	6/7/2023		766.35	767.02	766.50
6/7/2023	766.31	100	1130	0	0	1130	4980	2.69	900	2030	1851	8000	7500	766.23	6/8/2023		766.27	767.00	766.47
6/8/2023	766.23	400	1300	0	0	1300	4933	2.68	781	2081	1842	8000	7500	766.16	6/9/2023		766.20	766.99	766.43
6/9/2023	766.16	500	1200	0	0	1200	4933	2.67	924	2124	1837	8000	7500	766.10	6/10/2023		766.13	766.97	766.39
6/10/2023	766.10	600	1400	0	0	1400	4887	2.65	911	2311	1832	8000	7500	766.03	6/11/2023		766.07	766.95	766.34
6/11/2023	766.03	0	1320	0	0	1320	4840	2.64	1010	2330	1827	8000	7500	765.92	6/12/2023		765.98	766.94	766.30
6/12/2023	765.92	300	1090	0	0	1090	4793	2.63	934	2024	1822	8000	7500	765.85	6/13/2023		765.89	766.92	766.26
6/13/2023	765.85	1400	1090	0	0	1090	4793	2.63	901	1991	1822	8000	7500	765.87	6/14/2023		765.86	766.90	766.21
6/14/2023	765.87	900	1090	0	0	1090	4793	2.63	1080	2170	1822	8000	7500	765.85	6/15/2023		765.86	766.89	766.18
6/15/2023	765.85	700	1120	0	0	1120	4793	2.63	1070	2190	1822	8000	7500	765.81	6/16/2023		765.83	766.87	766.16
6/16/2023	765.81	200	1070	0	0	1070	4747	2.64	1150	2220	1822	8000	7500	765.74	6/17/2023		765.78	766.85	766.11
6/17/2023	765.74	800	1290	0	0	1290	4747	2.61	1150	2440	1813	8000	7500	765.70	6/18/2023		765.72	766.84	766.08
6/18/2023	765.70	300	1240	0	0	1240	4700	2.59	1460	2700	1803	8000	7500	765.62	6/19/2023		765.66	766.82	766.04
6/19/2023	765.62	500	1610	0	0	1610	4653	2.58	1600	3210	1794	8000	7500	765.53	6/20/2023		765.58	766.80	765.99
6/20/2023	765.53	100	1620	0	0	1620	4607	2.56	1480	3100	1784	8000	7500	765.41	6/21/2023		765.47	766.79	765.94
6/21/2023	765.41	100	1600	0	0	1600	4560	2.54	1380	2980	1779	8000	7500	765.29	6/22/2023		765.35	766.77	765.89
6/22/2023	765.29	300	1620	0	0	1620	4513	2.52	1130	2750	1770	8000	7500	765.18	6/23/2023		765.24	766.75	765.82
6/23/2023	765.18	300	1570	0	0	1570	4467	2.50	1120	2690	1760	8000	7500	765.08	6/24/2023		765.13	766.74	765.75
6/24/2023	765.08	400	1570	0	0	1570	4420	2.48	967	2537	1760	8000	7480	764.98	6/25/2023		765.03	766.72	765.67
6/25/2023	764.98	600	1570	0	0	1570	4373	2.46	1120	2690	1760	8000	7460	764.90	6/26/2023		764.94	766.70	765.60
6/26/2023	764.90	1000	1560	0	0	1560	4327	2.45	1660	3220	1760	8000	7450	764.85	6/27/2023		764.88	766.69	765.53
6/27/2023	764.85	1000	1590	0	0	1590	4327	2.42	1650	3240	1760	8000	7420	764.80	6/28/2023		764.83	766.67	765.47
6/28/2023	764.80	850	1567	0	0	1567	4280	2.41	1400	2967	1760	8000	7400	764.74	6/29/2023		764.77	766.65	765.41
6/29/2023	764.74	750	1567	0	0	1567	4233	2.40	1300	2867	1760	8000	7390	764.67	6/30/2023		764.71	766.64	765.36
6/30/2023	764.67	700	1567	0	0	1567	4233	2.38	1200	2767	1760	8000	7380	764.60	7/1/2023		764.64	766.62	765.28
7/1/2023	764.60	650	1567	0	0	1567	4187	2.37	1100	2667	1760	8000	7370	764.52	7/2/2023		764.56	766.57	765.20
7/2/2023	764.52	600	1567	0	0	1567	4187	2.36	1000	2567	1760	8000	7360	764.44	7/3/2023		766.46		765.12
6/6/2020	767.29	1000	2000	0	0	2000	5487	3.00	3000	5000	2000	8000	7500	777.12	3/15/2019		#N/A	#N/A	#N/A

Signature:_____

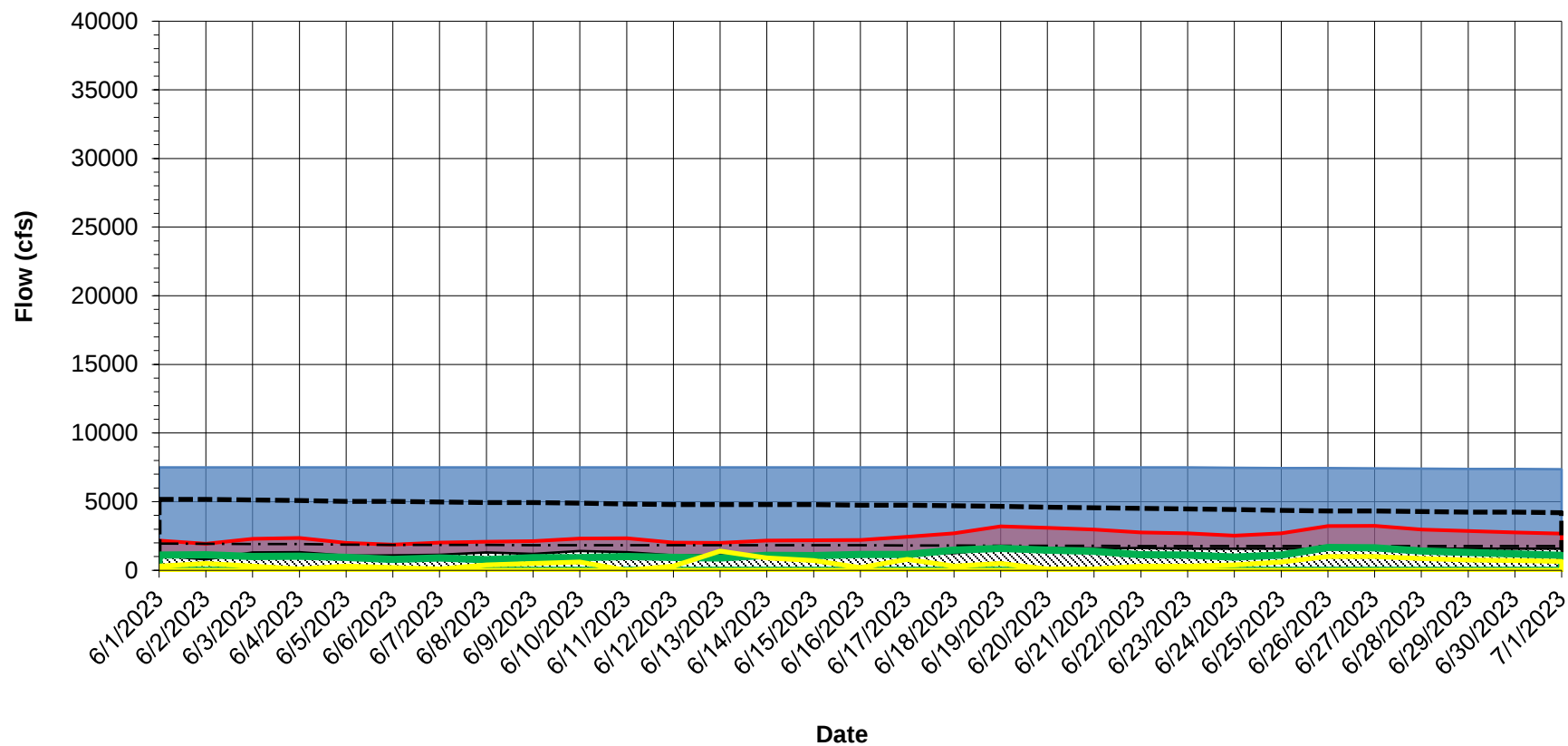
Date:_____

**GREAT SACANDAGA LAKE
RESERVOIR OPERATION SUMMARY**

Print Date: 6/28/2023
Period of Record: 6/1/2023 to 6/29/2023

Starting Date 12:00 AM	Daily Avg. Elevation	Net Average Inflow	Sacandaga River Flow Average Release	Maximum (Table F - Elev.)	Settlement Level	Hudson at Hadley	Hudson River Below Confluence	Hudson River Target Flow Minimum (Table B - Level)	Maximum (Table D & E)	Maximum Allowable Sacandaga
6/1/2023	766.68	300	1060	5167	2.89	1110	2170	1947	7500	5167
6/2/2023	766.64	500	804	5167	2.87	1140	1944	1933	7500	5167
6/3/2023	766.58	300	1300	5120	2.84	999	2299	1923	7500	5167
6/4/2023	766.49	100	1320	5073	2.82	1030	2350	1909	7500	5120
6/5/2023	766.41	300	1060	5027	2.72	933	1993	1866	7500	5073
6/6/2023	766.35	200	1080	5027	2.70	798	1878	1856	7500	5027
6/7/2023	766.27	100	1130	4980	2.69	900	2030	1851	7500	4980
6/8/2023	766.20	400	1300	4933	2.68	781	2081	1842	7500	4980
6/9/2023	766.13	500	1200	4933	2.67	924	2124	1837	7500	4933
6/10/2023	766.07	600	1400	4887	2.65	911	2311	1832	7500	4887
6/11/2023	765.98	0	1320	4840	2.64	1010	2330	1827	7500	4887
6/12/2023	765.89	300	1090	4793	2.63	934	2024	1822	7500	4840
6/13/2023	765.86	1400	1090	4793	2.63	901	1991	1822	7500	4793
6/14/2023	765.86	900	1090	4793	2.63	1080	2170	1822	7500	4793
6/15/2023	765.83	700	1120	4793	2.63	1070	2190	1822	7500	4793
6/16/2023	765.78	200	1070	4747	2.64	1150	2220	1822	7500	4747
6/17/2023	765.72	800	1290	4747	2.61	1150	2440	1813	7500	4747
6/18/2023	765.66	300	1240	4700	2.59	1460	2700	1803	7500	4700
6/19/2023	765.58	500	1610	4653	2.58	1600	3210	1794	7500	4700
6/20/2023	765.47	100	1620	4607	2.56	1480	3100	1784	7500	4653
6/21/2023	765.35	100	1600	4560	2.54	1380	2980	1779	7500	4560
6/22/2023	765.24	300	1620	4513	2.52	1130	2750	1770	7500	4513
6/23/2023	765.13	300	1570	4467	2.50	1120	2690	1760	7500	4467
6/24/2023	765.03	400	1570	4420	2.48	967	2537	1760	7480	4420
6/25/2023	764.94	600	1570	4373	2.46	1120	2690	1760	7460	4373
6/26/2023	764.88	1000	1560	4327	2.45	1660	3220	1760	7450	4327
6/27/2023	764.83	1000	1590	4327	2.42	1650	3240	1760	7420	4327
6/28/2023	764.77	850	1567	4280	2.41	1400	2967	1760	7400	4280
6/29/2023	764.71	750	1567	4233	2.40	1300	2867	1760	7390	4280
6/30/2023	764.64	700	1567	4233	2.38	1200	2767	1760	7380	4233
7/1/2023	764.56	650	1567	4187	2.37	1100	2667	1760	7370	4187

Great Sacandaga Lake Actual and Maximum Allowable Hudson River Flow Below Confluence

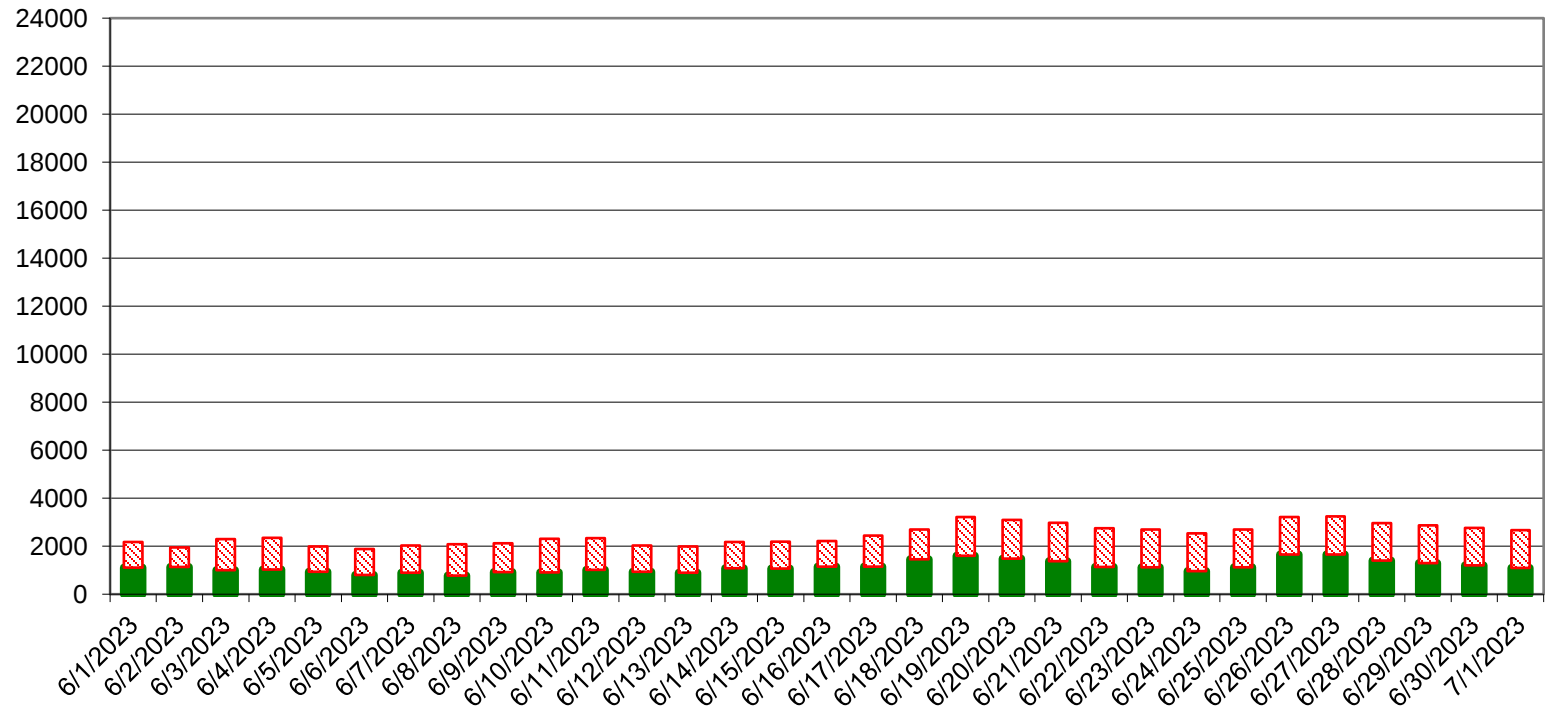


■ Maximum Allowable Hudson River Flow Below Confluence
 ▬ Maximum Allowable Sacandaga River Flow
 ▬ Minimum Allowable Hudson River Flow Below Confluence
 ■ Great Sacandaga Lake Inflow

■ Hudson River Flow Below Confluence
 ▬ Sacandaga River Flow
 ■ Hudson River at Hadley

Great Sacandaga Lake GSL Release and Natural Hudson River Flow

Total Flow Below Confluence (cfs)



Date

GSL Release

Natural Hudson River Flow

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
SACANDAGA RESERVOIR / HUDSON RIVER REGULATION

Monthly Report for: June 2023

Day	Sacandaga Reservoir Elevation Average Daily	Sacandaga Reservoir Elevation Midnight	Sacandaga River Near Hope cfs	Reservoir Inflow Hope x 2.0755 cfs	Sacandaga River at Stewarts Bridge cfs	Hudson River at Hadley cfs	Regulated Hudson River below confluence cfs
1	766.67	766.72	203	421	1060	1110	2170
2	766.63	766.68	195	405	804	1140	1944
3	766.52	766.64	202	419	1300	999	2299
4	766.46	766.54	187	388	1320	1030	2350
5	766.40	766.43	175	363	1060	933	1993
6	766.34	766.40	169	351	1080	798	1878
7	766.27	766.36	163	338	1130	900	2030
8	766.19	766.18	164	340	1300	781	2081
9	766.13	766.12	176	365	1200	924	2124
10	766.07	766.08	189	392	1400	911	2311
11	765.99	766.04	193	401	1320	1010	2330
12	765.90	765.98	174	361	1090	934	2024
13	765.92	765.85	216	448	1090	901	1991
14	765.84	765.84	245	508	1090	1080	2170
15	765.83	765.83	280	581	1120	1070	2190
16	765.77	765.83	251	521	1070	1150	2220
17	765.72	765.74	250	519	1290	1150	2440
18	765.65	765.70	276	573	1240	1460	2700
19	765.57	765.66	244	506	1610	1600	3210
20	765.46	765.54	212	440	1620	1480	3100
21	765.36	765.39	193	401	1600	1380	2980
22	765.24	765.29	175	363	1620	1130	2750
23	765.14	765.18	161	334	1570	1120	2690
24	765.04	765.08	281	583	1570	967	2537
25	764.96	764.98	465	965	1570	1120	2690
26	764.88	764.89	520	1079	1560	1660	3220
27	764.83	764.81	485	1007	1590	1650	3240
28	764.80	764.75	445	924	1630	1610	3240
29	764.70	764.75	400	830	1610	1800	3410
30	764.60	764.62	360	747	1560	2140	3700

AVERAGE	255	530	1340	1200	2530
---------	-----	-----	------	------	------

CHANGE IN STORAGE DURING THE MONTH

-2.44 B.C.F.

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
INDIAN LAKE RESERVOIR REGULATION

Monthly Report for: June, 2023

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Indian River at Indian Lake cfs	Hudson River at Newcomb cfs	Regulated Hudson River at North Creek cfs
1	1650.40	1650.43	78	171	116	568
2	1650.34	1650.39	-14	171	106	419
3	1650.27	1650.31	8	170	96	525
4	1650.20	1650.24	7	169	85	439
5	1650.14	1650.17	5	167	78	308
6	1650.07	1650.11	28	167	73	427
7	1650.01	1650.04	52	168	68	305
8	1649.96	1649.99	31	170	65	436
9	1649.91	1649.93	77	170	67	328
10	1649.86	1649.89	53	169	78	495
11	1649.80	1649.84	7	169	78	456
12	1649.76	1649.77	100	169	79	350
13	1649.73	1649.74	124	170	95	530
14	1649.71	1649.72	170	170	118	496
15	1649.70	1649.72	114	169	136	657
16	1649.69	1649.70	225	170	139	532
17	1649.73	1649.72	195	172	165	799
18	1649.73	1649.73	114	170	336	995
19	1649.70	1649.71	104	170	343	945
20	1649.65	1649.68	16	170	261	907
21	1649.61	1649.62	126	170	204	619
22	1649.54	1649.59	-29	169	166	643
23	1649.48	1649.50	81	169	143	447
24	1649.55	1649.46	655	171	144	571
25	1649.73	1649.68	432	171	191	1040
26	1649.84	1649.79	449	171	240	1130
27	1649.92	1649.91	333	171	246	1200
28	1650.00	1649.98	457	364	228	1070
29	1649.85	1650.02	83	662	234	1500
30	1649.60	1649.77	354	766	251	1530

AVERAGE	148	213	154	689
---------	-----	-----	-----	-----

CHANGE IN STORAGE DURING THE MONTH -0.168 B.C.F

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
STILLWATER RESERVOIR / BLACK RIVER REGULATION

Monthly Report for: June 2023

Day	Stillwater Reservoir Elevation Average Daily	Stillwater Reservoir Elevation Midnight	Stillwater Reservoir Net Inflow cfs	Stillwater Reservoir Release cfs	Black River at Boonville cfs	Beaver River at Croghan cfs	Regulated Black River at Watertown cfs
1	1677.52	1677.55	149	300	230	300	1330
2	1677.45	1677.50	88	300	230	304	1270
3	1677.39	1677.43	-3	300	196	345	1160
4	1677.29	1677.33	27	300	194	389	1220
5	1677.20	1677.24	88	300	188	308	1170
6	1677.13	1677.17	149	300	208	311	1090
7	1677.08	1677.12	88	300	227	319	1090
8	1677.01	1677.05	90	300	230	324	1190
9	1676.96	1676.98	182	300	250	337	1210
10	1676.90	1676.94	94	300	253	394	1280
11	1676.84	1676.87	123	300	230	366	1390
12	1676.78	1676.81	182	300	211	362	1370
13	1676.76	1676.77	241	300	315	471	1400
14	1676.74	1676.75	212	300	521	418	1740
15	1676.68	1676.72	123	300	849	535	2160
16	1676.67	1676.66	506	300	626	521	3150
17	1676.73	1676.73	359	300	564	484	3490
18	1676.74	1676.75	241	300	564	416	3170
19	1676.71	1676.73	212	300	440	448	2630
20	1676.68	1676.70	153	300	359	443	2420
21	1676.62	1676.65	153	300	303	358	2080
22	1676.57	1676.60	94	300	252	342	1750
23	1676.51	1676.53	182	300	230	347	1390
24	1676.68	1676.49	1183	300	446	515	1500
25	1676.82	1676.79	477	300	831	943	3890
26	1676.85	1676.85	329	300	764	850	5070
27	1676.86	1676.86	329	300	728	620	4890
28	1676.86	1676.87	271	300	1220	458	4010
29	1676.86	1676.86	300	300	1550	426	4010
30	1676.85	1676.86	212	300	1030	417	4400

AVERAGE	228	300	470	440	2260
---------	-----	-----	-----	-----	------

CHANGE IN STORAGE DURING THE MONTH

-0.19 B.C.F.

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
SIXTH LAKE RESERVOIR REGULATION

Monthly Report for: June, 2023

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1785.78	1785.79	4	0.08	0.00	4
2	1785.77	1785.79	4	0.08	0.00	4
3	1785.78	1785.79	4	0.08	0.00	4
4	1785.76	1785.71	4	0.08	0.00	4
5	1785.77	1785.77	4	0.08	0.00	4
6	1785.74	1785.75	4	0.08	0.00	4
7	1785.76	1785.76	4	0.08	0.00	4
8	1785.77	1785.76	4	0.08	0.00	4
9	1785.78	1785.77	4	0.08	0.00	4
10	1785.80	1785.79	4	0.08	0.00	4
11	1785.81	1785.80	4	0.08	0.00	4
12	1785.81	1785.82	4	0.08	0.00	4
13	1785.90	1785.82	4	0.08	0.00	4
14	1785.93	1785.93	41	0.67	0.67	41
15	1785.84	1785.90	68	0.67	0.67	68
16	1785.76	1785.79	37	0.25	0.00	37
17	1785.78	1785.77	15	0.25	0.00	15
18	1785.80	1785.79	15	0.25	0.00	15
19	1785.80	1785.80	15	0.08	0.00	15
20	1785.79	1785.79	9	0.08	0.00	9
21	1785.77	1785.77	5	0.08	0.00	5
22	1785.76	1785.77	5	0.08	0.00	5
23	1785.75	1785.75	5	0.08	0.00	5
24	1785.85	1785.77	5	0.08	0.00	5
25	1785.98	1785.92	5	0.08	0.00	5
26	1786.13	1786.10	42	0.67	0.67	42
27	1786.12	1786.14	68	0.67	0.67	68
28	1786.18	1786.14	68	0.67	0.67	68
29	1786.16	1786.19	82	0.83	0.83	82
30	1786.07	1786.12	73	0.50	0.67	73

AVERAGE 20 20

CHANGE IN STORAGE DURING THE MONTH 0.008 B.C.F

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
OLD FORGE RESERVOIR REGULATION

Monthly Report for: June, 2023

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1706.87	1706.88	24	0.25	0.25	24
2	1706.87	1706.88	2	0.00	0.25	17
3	1706.88	1706.87	-18	0.00	0.25	12
4	1706.85	1706.85	-33	0.00	0.25	12
5	1706.82	1706.82	22	0.00	0.08	7
6	1706.82	1706.83	-11	0.00	0.08	4
7	1706.82	1706.82	19	0.00	0.08	4
8	1706.84	1706.83	19	0.00	0.08	4
9	1706.86	1706.84	64	0.00	0.08	4
10	1706.88	1706.88	19	0.00	0.08	4
11	1706.90	1706.89	53	0.00	0.08	4
12	1706.93	1706.92	65	0.25	0.25	16
13	1706.97	1706.95	89	0.25	0.25	24
14	1706.98	1706.99	69	2.00	2.00	134
15	1706.88	1706.95	70	2.00	2.00	212
16	1706.83	1706.86	117	0.83	0.83	147
17	1706.81	1706.84	55	0.83	0.83	100
18	1706.78	1706.81	20	0.83	0.83	99
19	1706.74	1706.76	34	0.83	0.83	99
20	1706.72	1706.72	28	0.00	0.08	44
21	1706.72	1706.71	20	0.00	0.08	4
22	1706.72	1706.72	4	0.00	0.08	4
23	1706.73	1706.72	53	0.00	0.08	4
24	1706.81	1706.75	144	0.00	0.08	4
25	1706.86	1706.84	95	0.00	0.08	4
26	1706.89	1706.90	39	1.50	1.50	100
27	1706.83	1706.86	153	1.50	1.50	168
28	1706.82	1706.85	108	1.50	1.50	168
29	1706.79	1706.81	122	1.50	1.50	168
30	1706.78	1706.78	131	0.58	0.67	115

AVERAGE	52	57
---------	----	----

CHANGE IN STORAGE DURING THE MONTH	-0.012 B.C.F
------------------------------------	--------------

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
SACANDAGA RESERVOIR OPERATION
FOR WEEK ENDING: June 3, 2023

DATE	SACANDAGA RESERVOIR			HUDSON RIVER FLOW		
	WATER SURFACE ELEV. 12 A.M.	TOTAL STORAGE B.C.F. ⁽¹⁾	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	HADLEY AVG. DAILY C.F.S.	SPIER FALLS AVG. DAILY C.F.S.
Saturday 27	767.02	34.16	12 AM - Mid	1,280	1,490	2,770
Sunday 28	766.96	34.10	12 AM - Mid	1,290	1,540	2,830
Monday 29	766.90	34.03	12 AM - Mid	1,280	1,450	2,730
Tuesday 30	766.83	33.95	12 AM - Mid	759	1,240	1,999
Wednesday 31	766.74	33.85	12 AM - Mid	1,050	1,270	2,320
Thursday 1	766.72	33.83	12 AM - Mid	1,060	1,110	2,170
Friday 2	766.68	33.78	12 AM - Mid	804	1,140	1,944
Saturday 3	766.64	33.74	12 AM - Mid	1,300	999	2,299
CHANGE IN STORAGE DURING THE WEEK		-0.43	* SACANDAGA RIVER AT STEWARTS BRIDGE INCLUDES 350 CFS MINIMUM CONTINUOUS RELEASE			

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	769.46	36.96	6	2018	766.86	33.98
2	2014	768.38	35.71	7	2023	766.64	33.74
3	2017	767.39	34.58	8	2016	766.41	33.48
4	2022	767.14	34.30	9	2021	765.52	32.49
5	2020	766.99	34.13	10	2015	764.38	31.23

CAPACITY AT SPILLWAY CREST (EL 770.12) 37.72 B.C.F.
CAPACITY AT LOW FLOW LINE (EL 734.12) 4.60 B.C.F.

(1) Includes dead storage below El. 734.12 ft.
Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
SACANDAGA RESERVOIR OPERATION
FOR WEEK ENDING: June 10, 2023

DATE	SACANDAGA RESERVOIR			HUDSON RIVER FLOW		
	WATER SURFACE ELEV. 12 A.M.	TOTAL STORAGE B.C.F. ⁽¹⁾	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	HADLEY AVG. DAILY C.F.S.	SPIER FALLS AVG. DAILY C.F.S.
Saturday 3	766.64	33.74	12 AM - Mid	1,300	999	2,299
Sunday 4	766.54	33.63	12 AM - Mid	1,320	1,030	2,350
Monday 5	766.43	33.50	12 AM - Mid	1,060	933	1,993
Tuesday 6	766.40	33.47	12 AM - Mid	1,080	798	1,878
Wednesday 7	766.36	33.42	12 AM - Mid	1,130	900	2,030
Thursday 8	766.18	33.22	12 AM - Mid	1,300	781	2,081
Friday 9	766.12	33.16	12 AM - Mid	1,200	924	2,124
Saturday 10	766.08	33.11	12 AM - Mid	1,400	911	2,311
CHANGE IN STORAGE DURING THE WEEK		-0.63	* SACANDAGA RIVER AT STEWARTS BRIDGE INCLUDES 350 CFS MINIMUM CONTINUOUS RELEASE			

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	769.05	36.48	6	2020	766.65	33.75
2	2017	768.90	36.31	7	2016	766.48	33.56
3	2014	767.16	34.32	8	2023	766.08	33.11
4	2022	767.14	34.30	9	2021	765.69	32.68
5	2018	766.73	33.84	10	2015	765.03	31.95

CAPACITY AT SPILLWAY CREST (EL 770.12) 37.72 B.C.F.
CAPACITY AT LOW FLOW LINE (EL 734.12) 4.60 B.C.F.

(1) Includes dead storage below El. 734.12 ft.
Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
SACANDAGA RESERVOIR OPERATION
FOR WEEK ENDING: June 17, 2023

DATE	SACANDAGA RESERVOIR			HUDSON RIVER FLOW		
	WATER SURFACE ELEV. 12 A.M.	TOTAL STORAGE B.C.F. ⁽¹⁾	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	HADLEY AVG. DAILY C.F.S.	SPIER FALLS AVG. DAILY C.F.S.
Saturday 10	766.08	33.11	12 AM - Mid	1,400	911	2,311
Sunday 11	766.04	33.07	12 AM - Mid	1,320	1,010	2,330
Monday 12	765.98	33.00	12 AM - Mid	1,090	934	2,024
Tuesday 13	765.85	32.86	12 AM - Mid	1,090	901	1,991
Wednesday 14	765.84	32.84	12 AM - Mid	1,090	1,080	2,170
Thursday 15	765.83	32.83	12 AM - Mid	1,120	1,070	2,190
Friday 16	765.83	32.83	12 AM - Mid	1,070	1,150	2,220
Saturday 17	765.74	32.73	12 AM - Mid	1,290	1,150	2,440
CHANGE IN STORAGE DURING THE WEEK		-0.38	* SACANDAGA RIVER AT STEWARTS BRIDGE INCLUDES 350 CFS MINIMUM CONTINUOUS RELEASE			

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2014	769.63	37.16	6	2016	766.24	33.29
2	2019	768.63	36.00	7	2020	766.22	33.27
3	2017	767.70	34.94	8	2015	766.14	33.18
4	2022	766.89	34.02	9	2023	765.74	32.73
5	2018	766.35	33.41	10	2021	765.73	32.72

CAPACITY AT SPILLWAY CREST (EL 770.12) 37.72 B.C.F.
CAPACITY AT LOW FLOW LINE (EL 734.12) 4.60 B.C.F.

(1) Includes dead storage below El. 734.12 ft.
Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
SACANDAGA RESERVOIR OPERATION
FOR WEEK ENDING: June 24, 2023

DATE	SACANDAGA RESERVOIR			HUDSON RIVER FLOW		
	WATER SURFACE ELEV. 12 A.M.	TOTAL STORAGE B.C.F. ⁽¹⁾	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	HADLEY AVG. DAILY C.F.S.	SPIER FALLS AVG. DAILY C.F.S.
Saturday 17	765.74	32.73	12 AM - Mid	1,290	1,150	2,440
Sunday 18	765.70	32.69	12 AM - Mid	1,240	1,460	2,700
Monday 19	765.66	32.64	12 AM - Mid	1,610	1,600	3,210
Tuesday 20	765.54	32.51	12 AM - Mid	1,620	1,480	3,100
Wednesday 21	765.39	32.34	12 AM - Mid	1,600	1,380	2,980
Thursday 22	765.29	32.23	12 AM - Mid	1,620	1,130	2,750
Friday 23	765.18	32.11	12 AM - Mid	1,570	1,120	2,690
Saturday 24	765.08	32.00	12 AM - Mid	1,570	967	2,537
CHANGE IN STORAGE DURING THE WEEK		-0.73	* SACANDAGA RIVER AT STEWARTS BRIDGE INCLUDES 350 CFS MINIMUM CONTINUOUS RELEASE			

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	769.54	37.05	6	2018	765.81	32.81
2	2014	768.32	35.65	7	2020	765.63	32.61
3	2017	767.10	34.25	8	2016	765.59	32.57
4	2015	766.67	33.77	9	2021	765.39	32.34
5	2022	766.33	33.39	10	2023	765.08	32.00

CAPACITY AT SPILLWAY CREST (EL 770.12) 37.72 B.C.F.
CAPACITY AT LOW FLOW LINE (EL 734.12) 4.60 B.C.F.

(1) Includes dead storage below El. 734.12 ft.
Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
SACANDAGA RESERVOIR OPERATION
FOR WEEK ENDING: July 1, 2023

DATE	SACANDAGA RESERVOIR			HUDSON RIVER FLOW		
	WATER SURFACE ELEV. 12 A.M.	TOTAL STORAGE B.C.F. ⁽¹⁾	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	HADLEY AVG. DAILY C.F.S.	SPIER FALLS AVG. DAILY C.F.S.
Saturday 24	765.08	32.00	12 AM - Mid	1,570	967	2,537
Sunday 25	764.98	31.89	12 AM - Mid	1,570	1,120	2,690
Monday 26	764.89	31.79	12 AM - Mid	1,560	1,660	3,220
Tuesday 27	764.81	31.69	12 AM - Mid	1,590	1,650	3,240
Wednesday 28	764.75	31.64	12 AM - Mid	1,630	1,610	3,240
Thursday 29	764.75	31.64	12 AM - Mid	1,610	1,800	3,410
Friday 30	764.62	31.49	12 AM - Mid	1,560	2,140	3,700
Saturday 1	764.52	31.38	12 AM - Mid	1,590	2,010	3,600
CHANGE IN STORAGE DURING THE WEEK		-0.62	* SACANDAGA RIVER AT STEWARTS BRIDGE INCLUDES 350 CFS MINIMUM CONTINUOUS RELEASE			

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	768.36	35.69	6	2018	765.29	32.23
2	2015	767.85	35.11	7	2020	764.95	31.86
3	2014	767.33	34.51	8	2016	764.87	31.77
4	2017	766.73	33.84	9	2021	764.75	31.64
5	2022	766.20	33.24	10	2023	764.52	31.38

CAPACITY AT SPILLWAY CREST (EL 770.12) 37.72 B.C.F.
CAPACITY AT LOW FLOW LINE (EL 734.12) 4.60 B.C.F.

(1) Includes dead storage below El. 734.12 ft.
Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
SACANDAGA RESERVOIR OPERATION
FOR WEEK ENDING: July 8, 2023

DATE	SACANDAGA RESERVOIR			HUDSON RIVER FLOW		
	WATER SURFACE ELEV. 12 A.M.	TOTAL STORAGE B.C.F. ⁽¹⁾	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	HADLEY AVG. DAILY C.F.S.	SPIER FALLS AVG. DAILY C.F.S.
Saturday 1	764.52	31.38	12 AM - Mid	1,590	2,010	3,600
Sunday 2	764.47	31.33	12 AM - Mid	1,600	2,000	3,600
Monday 3	764.38	31.23	12 AM - Mid	1,630	2,960	4,590
Tuesday 4	764.34	31.19	12 AM - Mid	1,660	4,130	5,790
Wednesday 5	764.33	31.18	12 AM - Mid	1,560	3,920	5,480
Thursday 6	764.32	31.16	12 AM - Mid	1,580	3,570	5,150
Friday 7	764.19	31.02	12 AM - Mid	1,620	3,250	4,870
Saturday 8	764.19	31.02	12 AM - Mid	1,590	4,310	5,900
CHANGE IN STORAGE DURING THE WEEK		-0.36	* SACANDAGA RIVER AT STEWARTS BRIDGE INCLUDES 350 CFS MINIMUM CONTINUOUS RELEASE			

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2017	768.17	35.47	6	2018	764.50	31.36
2	2015	768.07	35.36	7	2021	764.31	31.14
3	2014	767.29	34.47	8	2020	764.22	31.05
4	2019	766.43	33.50	9	2023	764.19	31.02
5	2022	765.73	32.72	10	2016	764.12	30.94

CAPACITY AT SPILLWAY CREST (EL 770.12) 37.72 B.C.F.
CAPACITY AT LOW FLOW LINE (EL 734.12) 4.60 B.C.F.

(1) Includes dead storage below El. 734.12 ft.
Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
SACANDAGA RESERVOIR OPERATION
FOR WEEK ENDING: July 15, 2023

DATE	SACANDAGA RESERVOIR			HUDSON RIVER FLOW		
	WATER SURFACE ELEV. 12 A.M.	TOTAL STORAGE B.C.F. ⁽¹⁾	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	HADLEY AVG. DAILY C.F.S.	SPIER FALLS AVG. DAILY C.F.S.
Saturday 8	764.19	31.02	12 AM - Mid	1,590	4,310	5,900
Sunday 9	764.33	31.18	12 AM - Mid	1,600	4,380	5,980
Monday 10	764.33	31.18	12 AM - Mid	1,610	4,840	6,450
Tuesday 11	764.49	31.35	12 AM - Mid	413	11,800	12,213
Wednesday 12	764.66	31.54	12 AM - Mid	411	17,700	18,111
Thursday 13	764.78	31.67	12 AM - Mid	479	11,800	12,279
Friday 14	764.94	31.85	12 AM - Mid	432	9,160	9,592
Saturday 15	765.13	32.06	12 AM - Mid	431	7,870	8,301
CHANGE IN STORAGE DURING THE WEEK		1.03	* SACANDAGA RIVER AT STEWARTS BRIDGE INCLUDES 350 CFS MINIMUM CONTINUOUS RELEASE			

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2017	766.81	33.93	6	2023	765.13	32.06
2	2014	766.80	33.92	7	2022	765.01	31.92
3	2015	766.33	33.39	8	2016	763.96	30.77
4	2021	765.89	32.90	9	2020	763.57	30.35
5	2019	765.51	32.48	10	2018	763.57	30.35

CAPACITY AT SPILLWAY CREST (EL 770.12) 37.72 B.C.F.
CAPACITY AT LOW FLOW LINE (EL 734.12) 4.60 B.C.F.

(1) Includes dead storage below El. 734.12 ft.
Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
INDIAN LAKE RESERVOIR OPERATION
FOR WEEK ENDING: June 3, 2023

DATE	INDIAN LAKE RESERVOIR			INDIAN RIVER	HUDSON RIVER	
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	NEWCOMB AVG. DAILY C.F.S.	NORTH CREEK AVG. DAILY C.F.S.
Saturday 27	1,650.72	3.66	12 AM - Mid	175	171	735
Sunday 28	1,650.66	3.65	12 AM - Mid	175	157	701
Monday 29	1,650.59	3.63	12 AM - Mid	174	143	503
Tuesday 30	1,650.55	3.62	12 AM - Mid	173	130	612
Wednesday 31	1,650.51	3.62	12 AM - Mid	172	119	473
Thursday 1	1,650.43	3.60	12 AM - Mid	170	109	568
Friday 2	1,650.39	3.59	12 AM - Mid	169	99	419
Saturday 3	1,650.31	3.58	12 AM - Mid	168	89	525

CHANGE IN STORAGE DURING THE WEEK	-0.08	* INIDAN RIVER NEAR INDIAN LAKE
-----------------------------------	-------	---------------------------------

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2015	1,650.93	3.70	6	2014	1,649.97	3.51
2	2017	1,650.39	3.59	7	2016	1,649.91	3.50
3	2023	1,650.31	3.58	8	2020	1,649.76	3.47
4	2019	1,650.10	3.53	9	2022	1,649.35	3.38
5	2021	1,650.00	3.51	10	2018	1,649.20	3.36

CAPACITY AT SPILLWAY CREST (EL 1651.01) 3.7 B.C.F.

Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
INDIAN LAKE RESERVOIR OPERATION
FOR WEEK ENDING: June 10, 2023

DATE	INDIAN LAKE RESERVOIR			INDIAN RIVER	HUDSON RIVER	
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	NEWCOMB AVG. DAILY C.F.S.	NORTH CREEK AVG. DAILY C.F.S.
Saturday 3	1,650.31	3.58	12 AM - Mid	168	96	525
Sunday 4	1,650.24	3.56	12 AM - Mid	168	85	439
Monday 5	1,650.17	3.55	12 AM - Mid	166	78	308
Tuesday 6	1,650.11	3.53	12 AM - Mid	165	73	427
Wednesday 7	1,650.04	3.52	12 AM - Mid	166	68	305
Thursday 8	1,649.99	3.51	12 AM - Mid	168	65	436
Friday 9	1,649.93	3.50	12 AM - Mid	168	67	328
Saturday 10	1,649.89	3.49	12 AM - Mid	167	78	495

CHANGE IN STORAGE DURING THE WEEK	-0.08	* INIDAN RIVER NEAR INDIAN LAKE
-----------------------------------	-------	---------------------------------

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2015	1,650.82	3.68	6	2023	1,649.89	3.49
2	2017	1,650.64	3.64	7	2014	1,649.71	3.46
3	2019	1,650.03	3.52	8	2020	1,649.56	3.43
4	2021	1,650.00	3.51	9	2022	1,649.48	3.41
5	2016	1,649.99	3.51	10	2018	1,649.16	3.35

CAPACITY AT SPILLWAY CREST (EL 1651.01) 3.7 B.C.F.

Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
INDIAN LAKE RESERVOIR OPERATION
FOR WEEK ENDING: June 17, 2023

DATE	INDIAN LAKE RESERVOIR			INDIAN RIVER	HUDSON RIVER	
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	NEWCOMB AVG. DAILY C.F.S.	NORTH CREEK AVG. DAILY C.F.S.
Saturday 10	1,649.89	3.49	12 AM - Mid	167	78	495
Sunday 11	1,649.84	3.48	12 AM - Mid	167	78	456
Monday 12	1,649.77	3.47	12 AM - Mid	167	79	350
Tuesday 13	1,649.74	3.46	12 AM - Mid	168	95	530
Wednesday 14	1,649.72	3.46	12 AM - Mid	168	118	496
Thursday 15	1,649.72	3.46	12 AM - Mid	168	136	657
Friday 16	1,649.70	3.45	12 AM - Mid	168	139	532
Saturday 17	1,649.72	3.46	12 AM - Mid	168	165	799

CHANGE IN STORAGE DURING THE WEEK	-0.03	* INIDAN RIVER NEAR INDIAN LAKE
-----------------------------------	-------	---------------------------------

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2014	1,651.00	3.72	6	2020	1,649.48	3.41
2	2015	1,650.86	3.69	7	2022	1,649.46	3.41
3	2021	1,650.09	3.53	8	2017	1,649.44	3.40
4	2023	1,649.72	3.46	9	2016	1,649.11	3.34
5	2019	1,649.59	3.43	10	2018	1,648.98	3.32

CAPACITY AT SPILLWAY CREST (EL 1651.01) 3.7 B.C.F.

Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
INDIAN LAKE RESERVOIR OPERATION
FOR WEEK ENDING: June 24, 2023

DATE	INDIAN LAKE RESERVOIR			INDIAN RIVER	HUDSON RIVER	
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	NEWCOMB AVG. DAILY C.F.S.	NORTH CREEK AVG. DAILY C.F.S.
Saturday 17	1,649.72	3.46	12 AM - Mid	168	165	799
Sunday 18	1,649.73	3.46	12 AM - Mid	168	336	995
Monday 19	1,649.71	3.46	12 AM - Mid	168	343	945
Tuesday 20	1,649.68	3.45	12 AM - Mid	168	261	907
Wednesday 21	1,649.62	3.44	12 AM - Mid	168	204	619
Thursday 22	1,649.59	3.43	12 AM - Mid	167	166	643
Friday 23	1,649.50	3.42	12 AM - Mid	167	143	447
Saturday 24	1,649.46	3.41	12 AM - Mid	168	144	571

CHANGE IN STORAGE DURING THE WEEK	-0.05	* INIDAN RIVER NEAR INDIAN LAKE
-----------------------------------	-------	---------------------------------

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2015	1,651.12	3.74	6	2023	1,649.46	3.41
2	2014	1,649.93	3.50	7	2020	1,649.27	3.37
3	2021	1,649.74	3.46	8	2017	1,648.83	3.29
4	2019	1,649.53	3.42	9	2018	1,648.76	3.27
5	2022	1,649.47	3.41	10	2016	1,648.61	3.25

CAPACITY AT SPILLWAY CREST (EL 1651.01) 3.7 B.C.F.

Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
INDIAN LAKE RESERVOIR OPERATION
FOR WEEK ENDING: July 1, 2023

DATE	INDIAN LAKE RESERVOIR			INDIAN RIVER	HUDSON RIVER	
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	NEWCOMB AVG. DAILY C.F.S.	NORTH CREEK AVG. DAILY C.F.S.
Saturday 24	1,649.46	3.41	12 AM - Mid	168	144	571
Sunday 25	1,649.68	3.45	12 AM - Mid	168	191	1,040
Monday 26	1,649.79	3.47	12 AM - Mid	168	240	1,130
Tuesday 27	1,649.91	3.50	12 AM - Mid	168	246	1,200
Wednesday 28	1,649.98	3.51	12 AM - Mid	357	228	1,070
Thursday 29	1,650.02	3.52	12 AM - Mid	657	234	1,500
Friday 30	1,649.77	3.47	12 AM - Mid	762	251	1,530
Saturday 1	1,649.59	3.43	12 AM - Mid	762	237	1,440

CHANGE IN STORAGE DURING THE WEEK	0.02	* INIDAN RIVER NEAR INDIAN LAKE
-----------------------------------	------	---------------------------------

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2015	1,650.76	3.67	6	2021	1,648.97	3.31
2	2014	1,650.12	3.54	7	2017	1,648.76	3.27
3	2022	1,649.97	3.51	8	2019	1,648.66	3.26
4	2023	1,649.59	3.43	9	2018	1,648.64	3.25
5	2020	1,649.12	3.34	10	2016	1,648.04	3.14

CAPACITY AT SPILLWAY CREST (EL 1651.01) 3.7 B.C.F.

Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
INDIAN LAKE RESERVOIR OPERATION
FOR WEEK ENDING: July 8, 2023

DATE	INDIAN LAKE RESERVOIR			INDIAN RIVER	HUDSON RIVER	
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	NEWCOMB AVG. DAILY C.F.S.	NORTH CREEK AVG. DAILY C.F.S.
Saturday 1	1,649.59	3.43	12 AM - Mid	762	237	1,440
Sunday 2	1,650.05	3.52	12 AM - Mid	762	325	1,600
Monday 3	1,649.90	3.49	12 AM - Mid	762	595	2,690
Tuesday 4	1,650.02	3.52	12 AM - Mid	762	701	3,210
Wednesday 5	1,649.76	3.47	12 AM - Mid	762	668	2,660
Thursday 6	1,649.87	3.49	12 AM - Mid	762	670	2,430
Friday 7	1,649.79	3.47	12 AM - Mid	762	673	2,320
Saturday 8	1,649.62	3.44	12 AM - Mid	762	705	3,320

CHANGE IN STORAGE DURING THE WEEK	0.00	* INIDAN RIVER NEAR INDIAN LAKE
-----------------------------------	------	---------------------------------

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2014	1,649.81	3.48	6	2017	1,649.06	3.33
2	2022	1,649.73	3.46	7	2020	1,648.76	3.27
3	2023	1,649.62	3.44	8	2018	1,648.41	3.21
4	2015	1,649.51	3.42	9	2019	1,648.06	3.15
5	2021	1,649.06	3.33	10	2016	1,647.55	3.06

CAPACITY AT SPILLWAY CREST (EL 1651.01) 3.7 B.C.F.

Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
INDIAN LAKE RESERVOIR OPERATION
FOR WEEK ENDING: July 15, 2023

DATE	INDIAN LAKE RESERVOIR			INDIAN RIVER	HUDSON RIVER	
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	NEWCOMB AVG. DAILY C.F.S.	NORTH CREEK AVG. DAILY C.F.S.
Saturday 8	1,649.62	3.44	12 AM - Mid	762	705	3,320
Sunday 9	1,649.31	3.38	12 AM - Mid	762	700	3,050
Monday 10	1,649.44	3.40	12 AM - Mid	762	1,120	3,930
Tuesday 11	1,649.16	3.35	12 AM - Mid	762	4,870	14,300
Wednesday 12	1,649.69	3.45	12 AM - Mid	762	5,920	14,700
Thursday 13	1,649.73	3.46	12 AM - Mid	762	2,990	7,960
Friday 14	1,649.66	3.45	12 AM - Mid	762	1,870	5,670
Saturday 15	1,649.33	3.38	12 AM - Mid	762	1,410	4,620

CHANGE IN STORAGE DURING THE WEEK	-0.05	* INIDAN RIVER NEAR INDIAN LAKE
-----------------------------------	-------	---------------------------------

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2021	1,650.28	3.57	6	2020	1,648.56	3.24
2	2014	1,649.69	3.45	7	2017	1,648.44	3.22
3	2023	1,649.33	3.38	8	2018	1,648.13	3.16
4	2022	1,649.17	3.35	9	2019	1,647.71	3.08
5	2015	1,648.60	3.24	10	2016	1,647.40	3.03

CAPACITY AT SPILLWAY CREST (EL 1651.01) 3.7 B.C.F.

Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
STILLWATER RESERVOIR OPERATION
FOR WEEK ENDING: **June 3, 2023**

DATE	STILLWATER RESERVOIR			BEAVER RIVER		BLACK RIVER
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	STILLWATER RELEASE AVG. DAILY C.F.S.	CROGHAN AVG. DAILY FLOW C.F.S.	WATERTOWN AVG. DAILY FLOW C.F.S.
Saturday 27	1,677.85	4.38	12 AM -Mid	300	421	1,810
Sunday 28	1,677.80	4.37	12 AM -Mid	300	391	1,680
Monday 29	1,677.74	4.36	12 AM -Mid	300	319	1,530
Tuesday 30	1,677.68	4.34	12 AM -Mid	300	336	1,440
Wednesday 31	1,677.61	4.32	12 AM -Mid	300	316	1,400
Thursday 1	1,677.55	4.30	12 AM -Mid	300	300	1,330
Friday 2	1,677.50	4.29	12 AM -Mid	300	304	1,270
Saturday 3	1,677.43	4.27	12 AM -Mid	300	345	1,160
CHANGE IN STORAGE DURING THE WEEK		-0.11				

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	1,679.61	4.86	6	2023	1,677.43	4.27
2	2014	1,678.77	4.63	7	2016	1,677.11	4.19
3	2017	1,678.75	4.63	8	2018	1,677.05	4.17
4	2022	1,678.55	4.57	9	2020	1,675.55	3.79
5	2021	1,677.88	4.39	10	2015	1,675.24	3.72

CAPACITY AT SPILLWAY CREST (EL 1677.19) 4.213 B.C.F.
CAPACITY AT LOW FLOW LINE (EL 1650.69) 0.10 B.C.F.

Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
STILLWATER RESERVOIR OPERATION
FOR WEEK ENDING: **June 10, 2023**

DATE	STILLWATER RESERVOIR			BEAVER RIVER		BLACK RIVER
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	STILLWATER RELEASE AVG. DAILY C.F.S.	CROGHAN AVG. DAILY FLOW C.F.S.	WATERTOWN AVG. DAILY FLOW C.F.S.
Saturday 3	1,677.43	4.27	12 AM -Mid	300	345	1,160
Sunday 4	1,677.33	4.25	12 AM -Mid	300	389	1,220
Monday 5	1,677.24	4.22	12 AM -Mid	300	308	1,170
Tuesday 6	1,677.17	4.21	12 AM -Mid	300	311	1,090
Wednesday 7	1,677.12	4.19	12 AM -Mid	300	319	1,090
Thursday 8	1,677.05	4.17	12 AM -Mid	300	324	1,190
Friday 9	1,676.98	4.16	12 AM -Mid	300	337	1,210
Saturday 10	1,676.94	4.15	12 AM -Mid	300	394	1,280

CHANGE IN STORAGE DURING THE WEEK	-0.13
-----------------------------------	-------

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	1,679.71	4.89	6	2021	1,677.48	4.29
2	2017	1,679.56	4.85	7	2015	1,677.33	4.25
3	2022	1,678.58	4.58	8	2023	1,676.94	4.15
4	2014	1,678.32	4.51	9	2018	1,676.75	4.10
5	2016	1,677.92	4.40	10	2020	1,675.91	3.88

CAPACITY AT SPILLWAY CREST (EL 1677.19) 4.213 B.C.F.
CAPACITY AT LOW FLOW LINE (EL 1650.69) 0.10 B.C.F.

Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
STILLWATER RESERVOIR OPERATION
FOR WEEK ENDING: **June 17, 2023**

DATE	STILLWATER RESERVOIR			BEAVER RIVER		BLACK RIVER
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	STILLWATER RELEASE AVG. DAILY C.F.S.	CROGHAN AVG. DAILY FLOW C.F.S.	WATERTOWN AVG. DAILY FLOW C.F.S.
Saturday 10	1,676.94	4.15	12 AM -Mid	300	394	1,280
Sunday 11	1,676.87	4.13	12 AM -Mid	300	366	1,390
Monday 12	1,676.81	4.11	12 AM -Mid	300	362	1,370
Tuesday 13	1,676.77	4.10	12 AM -Mid	300	471	1,400
Wednesday 14	1,676.75	4.10	12 AM -Mid	300	418	1,740
Thursday 15	1,676.72	4.09	12 AM -Mid	300	535	2,160
Friday 16	1,676.66	4.07	12 AM -Mid	300	521	3,150
Saturday 17	1,676.73	4.09	12 AM -Mid	300	484	3,490

CHANGE IN STORAGE DURING THE WEEK -0.05

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	1,679.09	4.72	6	2016	1,677.96	4.41
2	2014	1,679.09	4.72	7	2021	1,677.06	4.17
3	2015	1,678.95	4.68	8	2023	1,676.73	4.09
4	2017	1,678.78	4.63	9	2018	1,676.31	3.98
5	2022	1,678.46	4.55	10	2020	1,676.14	3.94

CAPACITY AT SPILLWAY CREST (EL 1677.19) 4.213 B.C.F.
CAPACITY AT LOW FLOW LINE (EL 1650.69) 0.10 B.C.F.

Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
STILLWATER RESERVOIR OPERATION
FOR WEEK ENDING: **June 24, 2023**

DATE	STILLWATER RESERVOIR			BEAVER RIVER		BLACK RIVER
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	STILLWATER RELEASE AVG. DAILY C.F.S.	CROGHAN AVG. DAILY FLOW C.F.S.	WATERTOWN AVG. DAILY FLOW C.F.S.
Saturday 17	1,676.73	4.09	12 AM -Mid	300	484	3,490
Sunday 18	1,676.75	4.10	12 AM -Mid	300	416	3,170
Monday 19	1,676.73	4.09	12 AM -Mid	300	448	2,630
Tuesday 20	1,676.70	4.08	12 AM -Mid	300	443	2,420
Wednesday 21	1,676.65	4.07	12 AM -Mid	300	358	2,080
Thursday 22	1,676.60	4.06	12 AM -Mid	300	342	1,750
Friday 23	1,676.53	4.04	12 AM -Mid	300	347	1,390
Saturday 24	1,676.49	4.03	12 AM -Mid	300	515	1,500

CHANGE IN STORAGE DURING THE WEEK -0.06

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2017	1,680.03	4.98	6	2016	1,677.80	4.37
2	2015	1,679.86	4.93	7	2021	1,676.58	4.05
3	2014	1,678.75	4.63	8	2023	1,676.49	4.03
4	2022	1,678.44	4.54	9	2020	1,676.13	3.94
5	2019	1,678.39	4.53	10	2018	1,675.79	3.85

CAPACITY AT SPILLWAY CREST (EL 1677.19) 4.213 B.C.F.
CAPACITY AT LOW FLOW LINE (EL 1650.69) 0.10 B.C.F.

Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
STILLWATER RESERVOIR OPERATION
FOR WEEK ENDING: **July 1, 2023**

DATE	STILLWATER RESERVOIR			BEAVER RIVER		BLACK RIVER
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	STILLWATER RELEASE AVG. DAILY C.F.S.	CROGHAN AVG. DAILY FLOW C.F.S.	WATERTOWN AVG. DAILY FLOW C.F.S.
Saturday 24	1,676.49	4.03	12 AM -Mid	300	515	1,500
Sunday 25	1,676.79	4.10	12 AM -Mid	300	943	3,890
Monday 26	1,676.85	4.12	12 AM -Mid	300	850	5,070
Tuesday 27	1,676.86	4.12	12 AM -Mid	300	620	4,890
Wednesday 28	1,676.87	4.13	12 AM -Mid	300	458	4,010
Thursday 29	1,676.86	4.12	12 AM -Mid	300	426	4,010
Friday 30	1,676.86	4.12	12 AM -Mid	300	417	4,400
Saturday 1	1,676.83	4.12	12 AM -Mid	300	417	3,910

CHANGE IN STORAGE DURING THE WEEK 0.08

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2017	1,680.20	5.03	6	2016	1,677.46	4.28
2	2015	1,679.73	4.90	7	2023	1,676.83	4.12
3	2014	1,679.16	4.74	8	2020	1,676.25	3.97
4	2022	1,678.44	4.54	9	2021	1,676.04	3.91
5	2019	1,677.70	4.34	10	2018	1,675.40	3.76

CAPACITY AT SPILLWAY CREST (EL 1677.19) 4.213 B.C.F.
CAPACITY AT LOW FLOW LINE (EL 1650.69) 0.10 B.C.F.

Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
STILLWATER RESERVOIR OPERATION
FOR WEEK ENDING: July 8, 2023

DATE	STILLWATER RESERVOIR			BEAVER RIVER		BLACK RIVER
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	STILLWATER RELEASE AVG. DAILY C.F.S.	CROGHAN AVG. DAILY FLOW C.F.S.	WATERTOWN AVG. DAILY FLOW C.F.S.
Saturday 1	1,676.83	4.12	12 AM -Mid	300	417	3,910
Sunday 2	1,676.81	4.11	12 AM -Mid	300	413	3,090
Monday 3	1,676.81	4.11	12 AM -Mid	300	381	3,300
Tuesday 4	1,676.79	4.10	12 AM -Mid	300	353	4,730
Wednesday 5	1,676.76	4.10	12 AM -Mid	300	503	4,940
Thursday 6	1,676.72	4.09	12 AM -Mid	300	361	4,530
Friday 7	1,676.67	4.08	12 AM -Mid	300	351	3,280
Saturday 8	1,676.69	4.08	12 AM -Mid	300	347	2,420

CHANGE IN STORAGE DURING THE WEEK	-0.03
-----------------------------------	-------

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2017	1,679.60	4.86	6	2016	1,676.99	4.16
2	2015	1,679.00	4.69	7	2023	1,676.69	4.08
3	2014	1,678.60	4.58	8	2021	1,675.89	3.88
4	2022	1,678.49	4.56	9	2020	1,675.62	3.81
5	2019	1,677.36	4.25	10	2018	1,674.83	3.61

CAPACITY AT SPILLWAY CREST (EL 1677.19) 4.213 B.C.F.
CAPACITY AT LOW FLOW LINE (EL 1650.69) 0.10 B.C.F.

Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
STILLWATER RESERVOIR OPERATION
FOR WEEK ENDING: **July 15, 2023**

DATE	STILLWATER RESERVOIR			BEAVER RIVER		BLACK RIVER
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	STILLWATER RELEASE AVG. DAILY C.F.S.	CROGHAN AVG. DAILY FLOW C.F.S.	WATERTOWN AVG. DAILY FLOW C.F.S.
Saturday 8	1,676.69	4.08	12 AM -Mid	300	347	2,420
Sunday 9	1,676.63	4.07	12 AM -Mid	300	477	2,340
Monday 10	1,676.59	4.05	12 AM -Mid	300	677	3,840
Tuesday 11	1,676.67	4.08	12 AM -Mid	300	514	4,180
Wednesday 12	1,676.73	4.09	12 AM -Mid	300	381	4,750
Thursday 13	1,676.73	4.09	12 AM -Mid	300	396	5,360
Friday 14	1,676.75	4.10	12 AM -Mid	300	525	5,540
Saturday 15	1,676.73	4.09	12 AM -Mid	300	435	5,090

CHANGE IN STORAGE DURING THE WEEK 0.01

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2017	1,678.66	4.60	6	2023	1,676.73	4.09
2	2014	1,678.12	4.46	7	2016	1,676.62	4.06
3	2022	1,677.93	4.41	8	2021	1,676.32	3.99
4	2015	1,677.51	4.30	9	2020	1,675.32	3.74
5	2019	1,676.79	4.10	10	2018	1,674.00	3.42

CAPACITY AT SPILLWAY CREST (EL 1677.19) 4.213 B.C.F.
CAPACITY AT LOW FLOW LINE (EL 1650.69) 0.10 B.C.F.

Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
FULTON CHAIN RESERVOIR OPERATION
FOR WEEK ENDING: June 3, 2023

DATE	OLD FORGE RESERVOIR			SIXTH LAKE RESERVOIR		
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.
Saturday 27	1,706.90	0.912	24	1,785.86	0.298	15
Sunday 28	1,706.89	0.910	24	1,785.86	0.298	15
Monday 29	1,706.89	0.910	24	1,785.84	0.297	15
Tuesday 30	1,706.90	0.912	24	1,785.79	0.295	9
Wednesday 31	1,706.88	0.909	24	1,785.79	0.295	4
Thursday 1	1,706.88	0.909	24	1,785.79	0.295	4
Friday 2	1,706.88	0.909	17	1,785.79	0.295	4
Saturday 3	1,706.87	0.907	12	1,785.79	0.295	4
CHANGE IN STORAGE		-0.005			-0.002	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	1,706.95	0.919	1	2022	1,786.11	0.306
2	2022	1,706.94	0.917	2	2019	1,785.92	0.299
3	2021	1,706.91	0.913	3	2021	1,785.90	0.299
4	2023	1,706.87	0.907	4	2023	1,785.79	0.295
5	2020	1,706.84	0.903	5	2020	1,784.52	0.255

OLD FORGE CAPACITY AT SPILLWAY CREST (EL 1706.99) 0.924 B.C.F.
SIXTH LAKE CAPACITY AT SPILLWAY CREST (EL 1785.83) 0.297 B.C.F.

Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
FULTON CHAIN RESERVOIR OPERATION
FOR WEEK ENDING: **June 10, 2023**

DATE	OLD FORGE RESERVOIR			SIXTH LAKE RESERVOIR		
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.
Saturday 3	1,706.87	0.907	12	1,785.79	0.295	4
Sunday 4	1,706.85	0.904	12	1,785.71	0.293	4
Monday 5	1,706.82	0.900	7	1,785.77	0.295	4
Tuesday 6	1,706.83	0.901	4	1,785.75	0.294	4
Wednesday 7	1,706.82	0.900	4	1,785.76	0.294	4
Thursday 8	1,706.83	0.901	4	1,785.76	0.294	4
Friday 9	1,706.84	0.903	4	1,785.77	0.295	4
Saturday 10	1,706.88	0.909	4	1,785.79	0.295	4
CHANGE IN STORAGE		0.003			0.000	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2021	1,707.00	0.926	1	2022	1,786.19	0.308
2	2022	1,706.97	0.922	2	2021	1,785.99	0.302
3	2019	1,706.96	0.920	3	2019	1,785.96	0.301
4	2023	1,706.88	0.909	4	2023	1,785.79	0.295
5	2020	1,706.86	0.905	5	2020	1,784.61	0.258

OLD FORGE CAPACITY AT SPILLWAY CREST (EL 1706.99) 0.924 B.C.F.
SIXTH LAKE CAPACITY AT SPILLWAY CREST (EL 1785.83) 0.297 B.C.F.

Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
FULTON CHAIN RESERVOIR OPERATION
FOR WEEK ENDING: **June 17, 2023**

DATE	OLD FORGE RESERVOIR			SIXTH LAKE RESERVOIR		
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.
Saturday 10	1,706.88	0.909	4	1,785.79	0.295	4
Sunday 11	1,706.89	0.910	4	1,785.80	0.296	4
Monday 12	1,706.92	0.915	16	1,785.82	0.296	4
Tuesday 13	1,706.95	0.919	24	1,785.82	0.296	4
Wednesday 14	1,706.99	0.924	134	1,785.93	0.300	41
Thursday 15	1,706.95	0.919	212	1,785.90	0.299	68
Friday 16	1,706.86	0.905	147	1,785.79	0.295	37
Saturday 17	1,706.84	0.903	100	1,785.77	0.295	15
CHANGE IN STORAGE		-0.007			-0.001	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	1,706.92	0.913	1	2021	1,786.02	0.303
2	2022	1,706.88	0.909	2	2022	1,785.95	0.300
3	2021	1,706.87	0.907	3	2019	1,785.93	0.300
4	2023	1,706.84	0.903	4	2023	1,785.77	0.295
5	2020	1,706.72	0.888	5	2020	1,784.74	0.262

OLD FORGE CAPACITY AT SPILLWAY CREST (EL 1706.99) 0.924 B.C.F.
SIXTH LAKE CAPACITY AT SPILLWAY CREST (EL 1785.83) 0.297 B.C.F.

Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
FULTON CHAIN RESERVOIR OPERATION

FOR WEEK ENDING: **June 24, 2023**

DATE	OLD FORGE RESERVOIR			SIXTH LAKE RESERVOIR		
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.
Saturday 17	1,706.84	0.903	100	1,785.77	0.295	15
Sunday 18	1,706.81	0.899	99	1,785.79	0.295	15
Monday 19	1,706.76	0.893	99	1,785.80	0.296	15
Tuesday 20	1,706.72	0.888	44	1,785.79	0.295	9
Wednesday 21	1,706.71	0.886	4	1,785.77	0.295	5
Thursday 22	1,706.72	0.888	4	1,785.77	0.295	5
Friday 23	1,706.72	0.888	4	1,785.75	0.294	5
Saturday 24	1,706.75	0.892	4	1,785.77	0.295	5
CHANGE IN STORAGE		-0.011			0.000	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	1,707.26	0.962	1	2021	1,786.11	0.306
2	2021	1,706.97	0.922	2	2022	1,786.05	0.304
3	2022	1,706.96	0.920	3	2019	1,785.89	0.299
4	2023	1,706.75	0.892	4	2023	1,785.77	0.295
5	2020	1,706.71	0.886	5	2020	1,784.75	0.262

OLD FORGE CAPACITY AT SPILLWAY CREST (EL 1706.99) 0.924 B.C.F.
SIXTH LAKE CAPACITY AT SPILLWAY CREST (EL 1785.83) 0.297 B.C.F.

Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
FULTON CHAIN RESERVOIR OPERATION

FOR WEEK ENDING: **July 1, 2023**

DATE	OLD FORGE RESERVOIR			SIXTH LAKE RESERVOIR		
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.
Saturday 24	1,706.75	0.892	4	1,785.77	0.295	5
Sunday 25	1,706.84	0.903	4	1,785.92	0.299	5
Monday 26	1,706.90	0.912	100	1,786.10	0.305	42
Tuesday 27	1,706.86	0.905	168	1,786.14	0.307	68
Wednesday 28	1,706.85	0.904	168	1,786.14	0.307	68
Thursday 29	1,706.81	0.899	168	1,786.19	0.308	82
Friday 30	1,706.78	0.895	115	1,786.12	0.306	73
Saturday 1	1,706.79	0.896	77	1,786.03	0.303	61
CHANGE IN STORAGE		0.004			0.008	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2020	1,707.04	0.930	1	2019	1,786.16	0.307
2	2022	1,706.93	0.916	2	2023	1,786.03	0.303
3	2021	1,706.93	0.916	3	2021	1,785.98	0.301
4	2019	1,706.88	0.908	4	2022	1,785.95	0.300
5	2023	1,706.79	0.896	5	2020	1,785.31	0.280

OLD FORGE CAPACITY AT SPILLWAY CREST (EL 1706.99) 0.924 B.C.F.
SIXTH LAKE CAPACITY AT SPILLWAY CREST (EL 1785.83) 0.297 B.C.F.

Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
FULTON CHAIN RESERVOIR OPERATION
FOR WEEK ENDING: July 8, 2023

DATE	OLD FORGE RESERVOIR			SIXTH LAKE RESERVOIR		
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.
Saturday 1	1,706.79	0.896	77	1,786.03	0.303	61
Sunday 2	1,706.80	0.897	77	1,786.02	0.303	61
Monday 3	1,706.85	0.904	183	1,786.41	0.315	177
Tuesday 4	1,706.82	0.900	157	1,786.17	0.307	140
Wednesday 5	1,706.86	0.905	68	1,786.04	0.303	40
Thursday 6	1,706.86	0.905	68	1,786.01	0.302	40
Friday 7	1,706.84	0.903	68	1,785.98	0.301	40
Saturday 8	1,706.87	0.907	68	1,786.03	0.303	40
CHANGE IN STORAGE		0.011			0.000	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2022	1,707.02	0.927	1	2022	1,786.11	0.306
2	2021	1,706.99	0.924	2	2023	1,786.03	0.303
3	2020	1,706.93	0.915	3	2019	1,785.96	0.301
4	2019	1,706.93	0.915	4	2020	1,785.40	0.283
5	2023	1,706.87	0.907	5	2021	1,785.15	0.275

OLD FORGE CAPACITY AT SPILLWAY CREST (EL 1706.99) 0.924 B.C.F.
SIXTH LAKE CAPACITY AT SPILLWAY CREST (EL 1785.83) 0.297 B.C.F.

Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
FULTON CHAIN RESERVOIR OPERATION
FOR WEEK ENDING: [July 15, 2023](#)

DATE	OLD FORGE RESERVOIR			SIXTH LAKE RESERVOIR		
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.
Saturday 8	1,706.87	0.907	68	1,786.03	0.303	40
Sunday 9	1,706.87	0.907	68	1,786.07	0.304	40
Monday 10	1,706.86	0.905	81	1,786.07	0.304	58
Tuesday 11	1,707.03	0.929	246	1,786.29	0.311	180
Wednesday 12	1,707.07	0.934	357	1,786.45	0.316	259
Thursday 13	1,707.02	0.927	355	1,786.10	0.305	254
Friday 14	1,706.95	0.917	171	1,785.75	0.294	127
Saturday 15	1,706.92	0.913	69	1,785.66	0.291	39
CHANGE IN STORAGE		0.007			-0.012	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2021	1,707.29	0.965	1	2021	1,786.30	0.312
2	2023	1,706.92	0.913	2	2019	1,786.00	0.302
3	2019	1,706.91	0.912	3	2020	1,785.91	0.299
4	2022	1,706.89	0.910	4	2022	1,785.89	0.299
5	2020	1,706.85	0.904	5	2023	1,785.66	0.291

OLD FORGE CAPACITY AT SPILLWAY CREST (EL 1706.99) 0.924 B.C.F.
SIXTH LAKE CAPACITY AT SPILLWAY CREST (EL 1785.83) 0.297 B.C.F.

Datum: NAVD 88

CHIEF ENGINEER

**Hudson River Area
Report of the Operations Manager
Sacandaga Field Office at Great Sacandaga Lake
June & July 2023**

Activity report for June & July 2023

SFO

- Performed lawn maintenance of facility.
- Cleaned offices and conference room weekly.
- Performed maintenance on vehicles and equipment.
- Started erosion control with the workboat
- Installed 1134 tons of rip rap
- Installed a new sign by ramp and docks

Indian Lake

- Built and installed a temporary electronics station

Conklingville Dam

- Read and reported piezometer data including spillway and toe observations daily.
- Performed lawn maintenance on the dam and park..
- Performed maintenance on vehicles and equipment.
- Performed a monthly dow valve test.
- Finished the toe road and parking area.
- Participated in the annual FERC inspection

Respectfully,

Matthew Ginter

Operations Manager

**Black River Area
Report of the Superintendent
Black River Field Office at the Stillwater Reservoir (BRFO)
June 2023**

- Road maintenance, raked, trimming roadsides
- Vehicle/equipment maintenance
- Serviced mowing equipment
- Participated in training (chainsaw, tick, extreme heat)
- Fertilized north embankment
- Seeded leech field area
- Vehicle/trailer inspections
- Continued mowing at facilities
- Installed new horn for flood warning float
- Continue bridge rail project
- Repaired disconnected boom (SW)
- Started porch siding project
- SW staff gauges and Stevens recorder moved to 1988 NAVD (corrected)
- Monitoring continues: piezometers, weirs, profile surveys, seepage sites.
- Misc. gate changes at Stillwater, O.F. & S.L.
- Daily readings Stillwater, O.F. & S.L.