

REPORT OF CHIEF ENGINEER
HUDSON RIVER - BLACK RIVER REGULATING DISTRICT
BOARD MEETING
JULY 12, 2022 – BOONVILLE, 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 1,440 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	767.17	+0.55	+0.05	0	844
June 30	766.0 (e)	+0.7 (e)	-0.6 (e)	0	1,567 (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 165 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	1649.49	-0.37	-0.20	198
June 30	1649.7 (e)	+0.2 (e)	+1.0 (e)	165 (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 3,070 cfs on June 26 and approximately 1,330 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	488 (e)	795
Sacandaga at Stewarts Bridge	1,440 (e)	2,100
Indian at Indian Lake Dam	165 (e)	270
Hudson at Hadley (1)	1,470 (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 97%, 85%, and 61% historic average at Indian Lake, Mayfield, and Conklingville, respectively, as of June 23

Table 4.0 - *Hudson River Basin Precipitation - as of June 23*

Station	Monthly Total (inch)	Historic Average (inch)
Indian Lake	4.09	4.22
Mayfield	3.44	4.07
Conklingville	2.38	3.93

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 61% and 73% of historic average, respectively. Monthly release of water from Great Sacandaga Lake and Indian Lake measured 69% and 61% of historic average, respectively.

Great Sacandaga Lake Operation

Great Sacandaga Lake operation summary report for the period June 1, 2022 through June 27, 2022 is attached. This report includes projected and forecast values for dates after June 27, 2022.

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	1,678.47	+0.02	300
June 30	1,678.3 (e)	+0.6 (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 24 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	1,786.02	+0.25	10
June 30	1,785.9 (e)	+0.2 (e)	5 (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 72 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	1,706.87	+0.06	32
June 30	1,706.9 (e)	-0.1 (e)	8 (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 2,940 cfs on June 26.

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

River	Monthly Average Flow (cfs)	Historic Average Flow (1) (cfs)
Moose at McKeever	698 (e)	636
Beaver at Croghan	460 (e)	549
Black at Watertown	2,950 (e)	2,930

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 85%, 106%, 109% of historic average at Stillwater, Old Forge, and Sixth Lake, respectively, as of June 22.

Table 5.0 - *Black River Basin Precipitation - as of June 22*

Station	Monthly Total (inch)	Historic Average (inch)
Stillwater	4.18	4.90
Old Forge	4.78	4.52
Sixth Lake	4.66	4.26

BLACK RIVER AREA - JUNE SUMMARY - continued

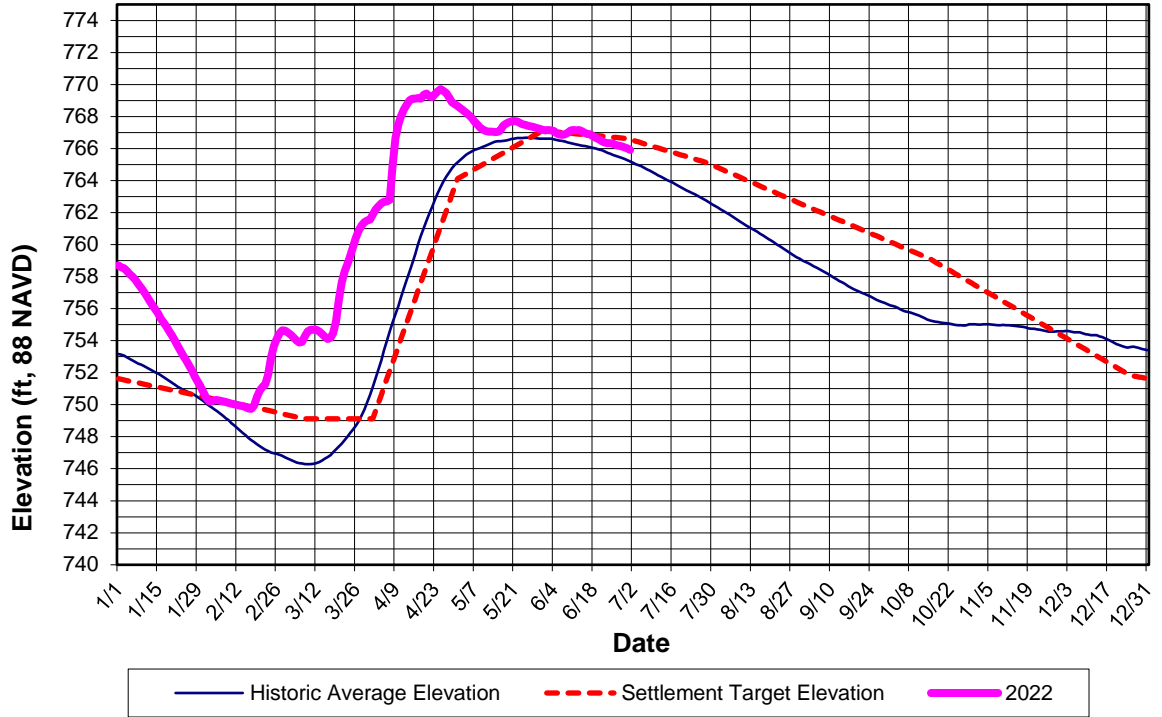
Operation Overview

Precipitation in the month of June was below average at Stillwater and above average at Old Forge and Sixth Lake Reservoir. The monthly inflow to Stillwater Reservoir was approximately 77% of historic average. The inflow to Sixth Lake and Old Forge Reservoir totaled 0.06 and 0.18 billion cubic feet, respectively, in June. Release of water from Stillwater Reservoir averaged 71% of historic discharge.

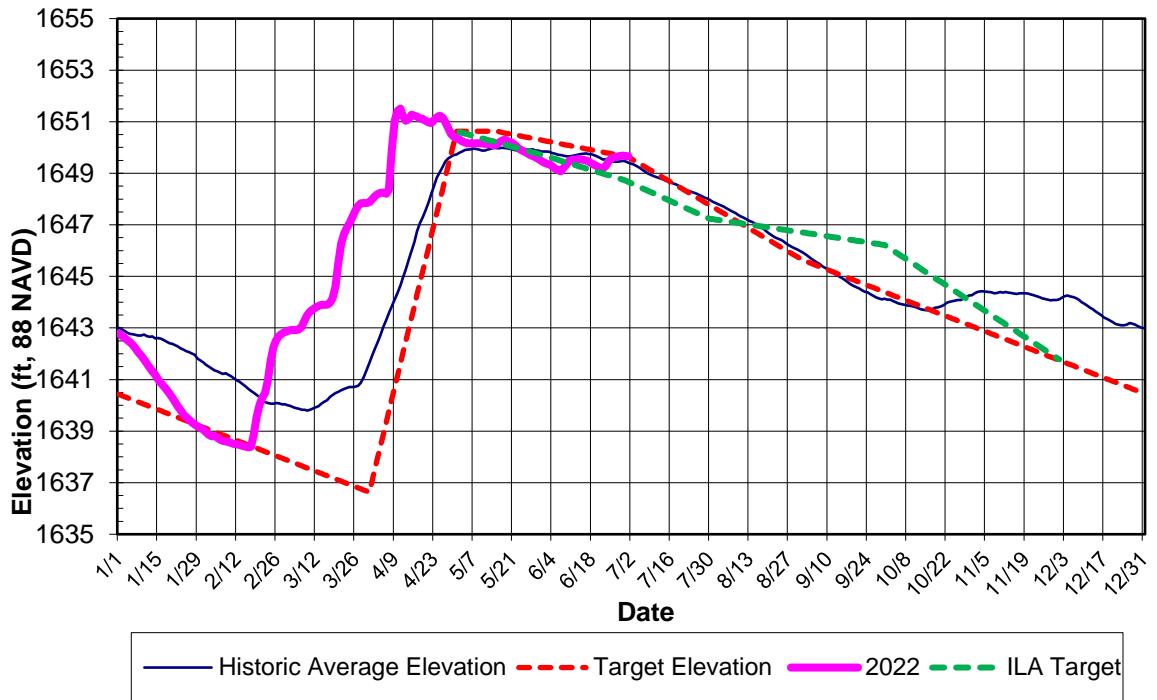
Black River Area Staff Activities

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

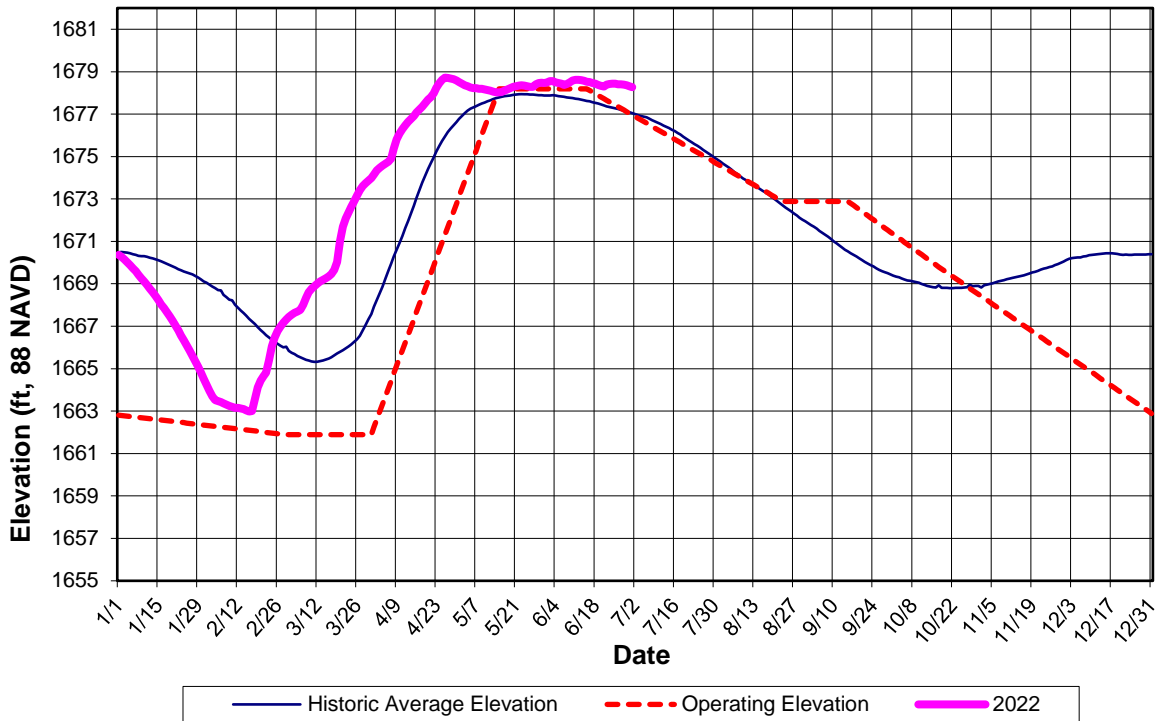
Great Sacandaga Lake 2022 Reservoir Elevation



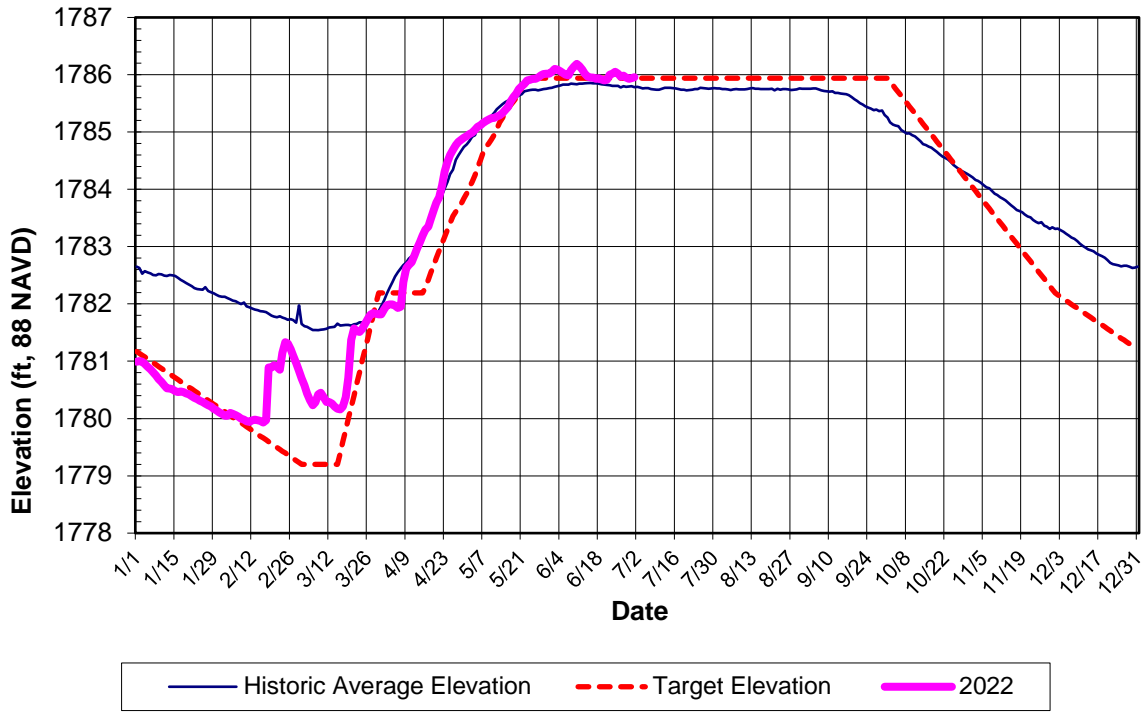
Indian Lake 2022 Reservoir Elevation



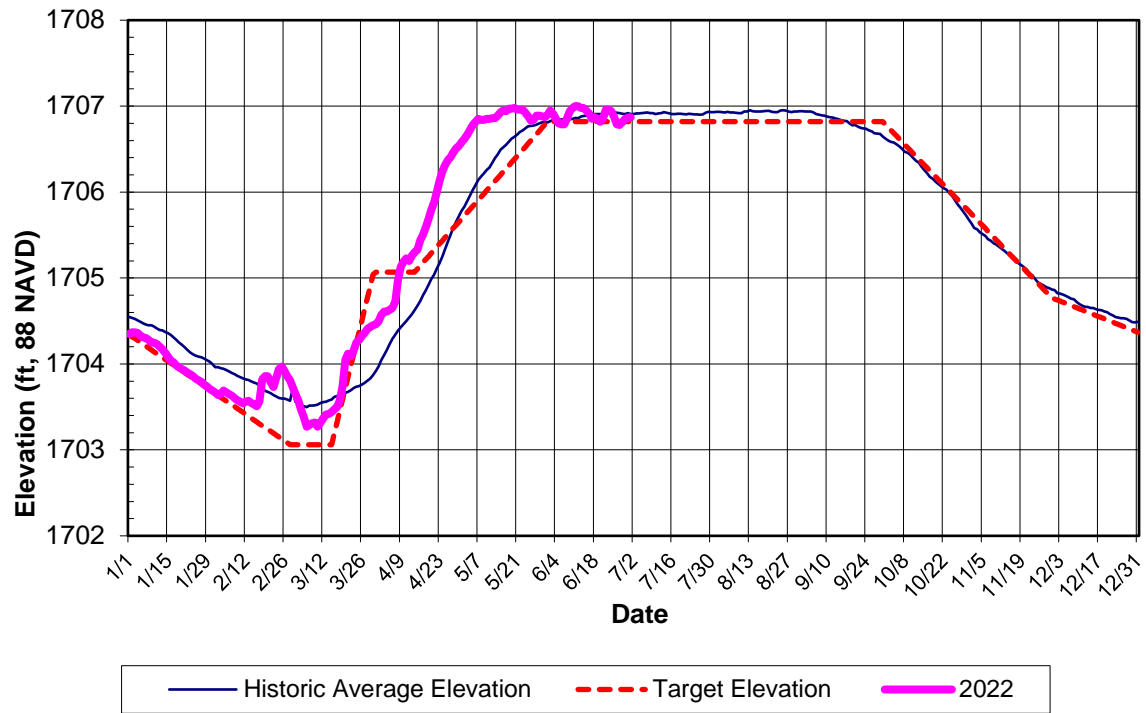
Stillwater Reservoir 2022 Reservoir Elevation



Sixth Lake 2022 Reservoir Elevation



Old Forge 2022 Reservoir Elevation



SACANDAGA RESERVOIR ELEVATION CALCULATOR

Datum: **1988 NAVD**

Settlement Parameters	
Date	6/28/2022
Target Elevation	766.65
Actual "Level"	3.03
"Level 2.5 threshold"	764.03
"Level 1.2 threshold"	756.75
Hudson River Target	
	Elevation Level
Maximum Flow (cfs)	8000 7540
Minimum Flow (cfs)	n/a 2040
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	6/28/2022
Day of Year	5658
Starting Elevation (ft)	766.30
Average Elevation	766.31
Flow Below Hadley (cfs)	2567
Todays Release	1567
Tomorrows Release	1567

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

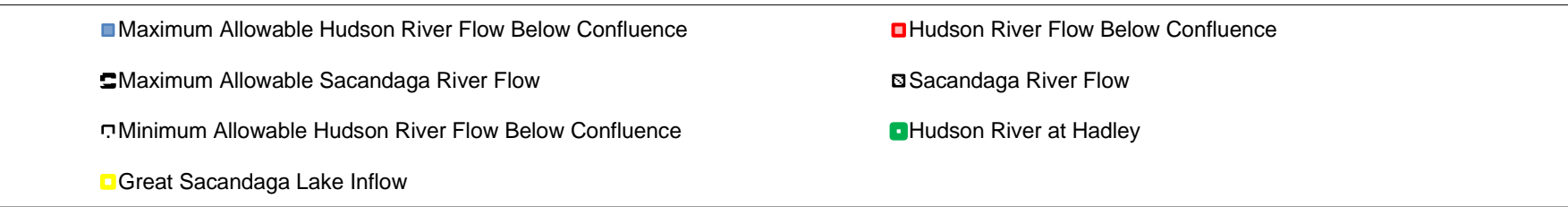
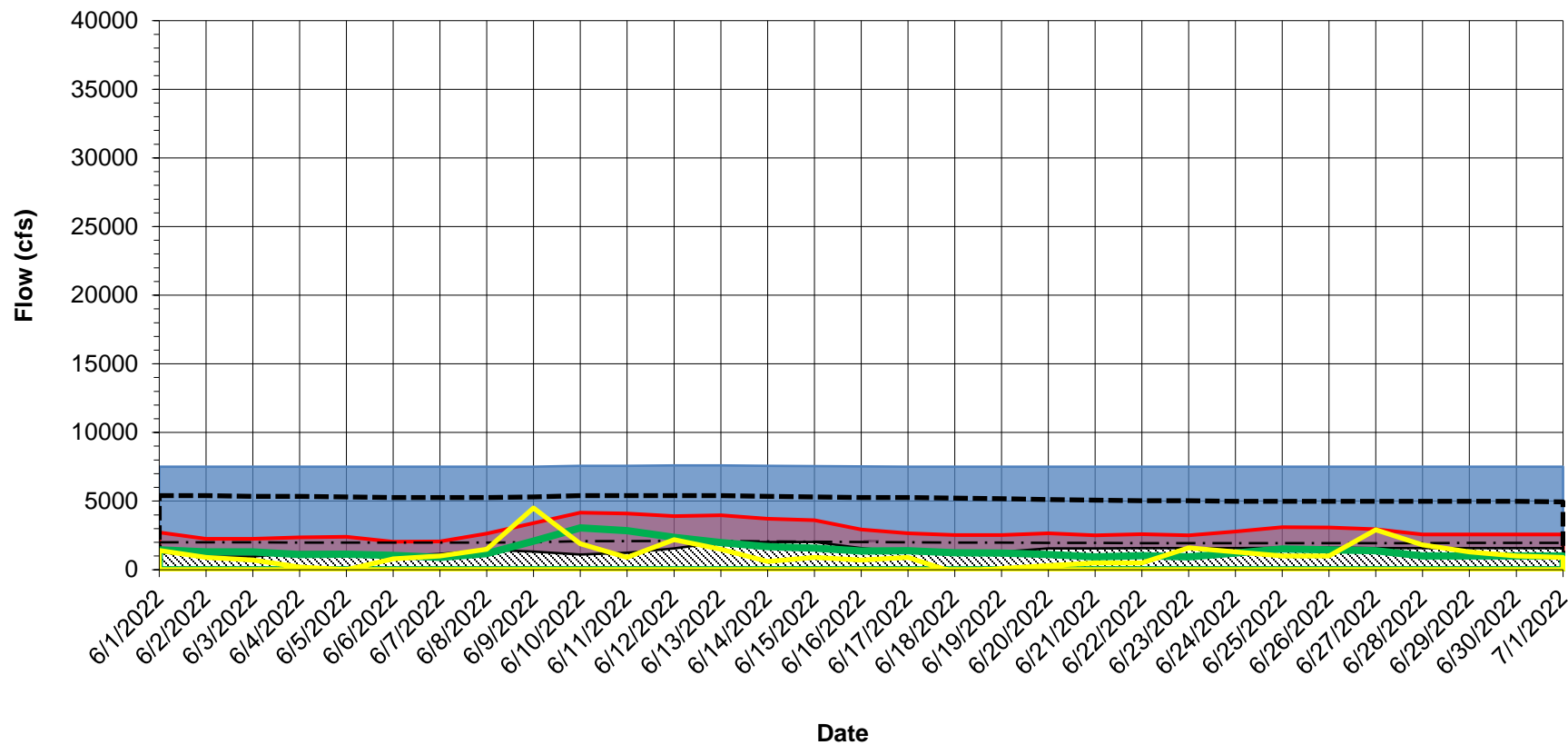
Starting Date 12:00 AM	Starting Elevation	Net Average Inflow	E.J. West	Sacandaga River Flow			Settlement Level	Hudson at Hadley	Hudson River Below Confluence	Hudson River Target Flow			Ending Elevation	Ending Date 12:00 AM	Daily Average Elevation	Settlement Target Elevation	Historic Daily Average Elev.	
				Valves	Spillway	Average Release				Minimum (Table C - Level)	Maximum (Table D - Elev.)	Maximum (Table E - Level)						
6/1/2022	767.13	1400	1280	0	0	1280	5400	3.00	1440	2720	2000	8000	7500	767.13	6/2/2022	767.13	767.10	766.62
6/2/2022	767.13	900	960	0	0	960	5400	2.99	1290	2250	1995	8000	7500	767.12	6/3/2022	767.13	767.09	766.62
6/3/2022	767.12	700	961	0	0	961	5353	2.98	1290	2251	1990	8000	7500	767.10	6/4/2022	767.11	767.07	766.61
6/4/2022	767.10	200	1250	0	0	1250	5353	2.97	1120	2370	1986	8000	7500	767.01	6/5/2022	767.06	767.05	766.59
6/5/2022	767.01	0	1260	0	0	1260	5307	2.96	1140	2400	1981	8000	7500	766.91	6/6/2022	766.96	767.04	766.55
6/6/2022	766.91	800	996	0	0	996	5260	2.96	1040	2036	1981	8000	7500	766.89	6/7/2022	766.90	767.02	766.50
6/7/2022	766.89	1000	1160	0	0	1160	5260	2.96	901	2061	1981	8000	7500	766.87	6/8/2022	766.88	767.00	766.47
6/8/2022	766.87	1500	1450	0	0	1450	5260	2.96	1180	2630	1981	8000	7500	766.87	6/9/2022	766.87	766.99	766.43
6/9/2022	766.87	4500	1320	0	0	1320	5307	3.00	2080	3400	2000	8000	7500	767.11	6/10/2022	766.99	766.97	766.39
6/10/2022	767.11	1900	1110	0	0	1110	5400	3.04	3050	4160	2080	8000	7580	767.16	6/11/2022	767.14	766.95	766.34
6/11/2022	767.16	900	1240	0	0	1240	5400	3.04	2850	4090	2080	8000	7580	767.13	6/12/2022	767.15	766.94	766.30
6/12/2022	767.13	2200	1550	0	0	1550	5400	3.05	2360	3910	2100	8000	7600	767.17	6/13/2022	767.15	766.92	766.26
6/13/2022	767.17	1500	2000	0	0	2000	5400	3.05	1970	3970	2100	8000	7600	767.13	6/14/2022	767.15	766.90	766.21
6/14/2022	767.13	600	2020	0	0	2020	5353	3.04	1690	3710	2060	8000	7560	767.02	6/15/2022	767.08	766.89	766.18
6/15/2022	767.02	900	2020	0	0	2020	5307	3.03	1580	3600	2040	8000	7540	766.93	6/16/2022	766.98	766.87	766.16
6/16/2022	766.93	700	1570	0	0	1570	5260	3.02	1370	2940	2020	8000	7520	766.86	6/17/2022	766.90	766.85	766.11
6/17/2022	766.86	900	1270	0	0	1270	5260	3.00	1380	2650	2000	8000	7500	766.83	6/18/2022	766.85	766.84	766.08
6/18/2022	766.83	-200	1290	0	0	1290	5213	2.97	1230	2520	1986	8000	7500	766.71	6/19/2022	766.77	766.82	766.04
6/19/2022	766.71	100	1310	0	0	1310	5167	2.95	1210	2520	1976	8000	7500	766.61	6/20/2022	766.66	766.80	765.99
6/20/2022	766.61	300	1560	0	0	1560	5120	2.93	1100	2660	1962	8000	7500	766.51	6/21/2022	766.56	766.79	765.94
6/21/2022	766.51	500	1560	0	0	1560	5073	2.90	946	2506	1952	8000	7500	766.42	6/22/2022	766.47	766.77	765.89
6/22/2022	766.42	500	1570	0	0	1570	5027	2.88	1020	2590	1942	8000	7500	766.33	6/23/2022	766.38	766.75	765.82
6/23/2022	766.33	1600	1570	0	0	1570	5027	2.87	945	2515	1938	8000	7500	766.33	6/24/2022	766.33	766.74	765.75
6/24/2022	766.33	1300	1570	0	0	1570	4980	2.87	1220	2790	1938	8000	7500	766.30	6/25/2022	766.32	766.72	765.67
6/25/2022	766.30	1000	1600	0	0	1600	4980	2.87	1510	3110	1938	8000	7500	766.25	6/26/2022	766.28	766.70	765.60
6/26/2022	766.25	1000	1620	0	0	1620	4980	2.88	1450	3070	1942	8000	7500	766.20	6/27/2022	766.23	766.69	765.53
6/27/2022	766.20	2900	1570	0	0	1570	4980	2.88	1390	2960	1942	8000	7500	766.30	6/28/2022	766.25	766.67	765.47
6/28/2022	766.30	1800	1567	0	0	1567	4980	2.89	1000	2567	1942	8000	7500	766.31	6/29/2022	766.31	766.65	765.41
6/29/2022	766.31	1300	1567	0	0	1567	4980	2.89	1000	2567	1947	8000	7500	766.28	6/30/2022	766.30	766.64	765.36
6/30/2022	766.28	1000	1567	0	0	1567	4980	2.90	1000	2567	1947	8000	7500	766.23	7/1/2022	766.26	766.62	765.28
7/1/2022	766.23	900	1567	0	0	1567	4933	2.90	1000	2567	1952	8000	7500	766.17	7/2/2022	766.20	766.57	765.20
7/2/2022	766.17	800	1567	0	0	1567	4933	2.91	1000	2567	1957	8000	7500	766.11	7/3/2022		766.46	765.12
6/6/2020	767.29	1000	4000	0	0	4000	5487	3.00	500	4500	2000	8000	7500	777.12	3/15/2019	#N/A	#N/A	

**GREAT SACANDAGA LAKE
RESERVOIR OPERATION SUMMARY**

Print Date: 6/28/2022
Period of Record: 6/1/2022 to 6/29/2022

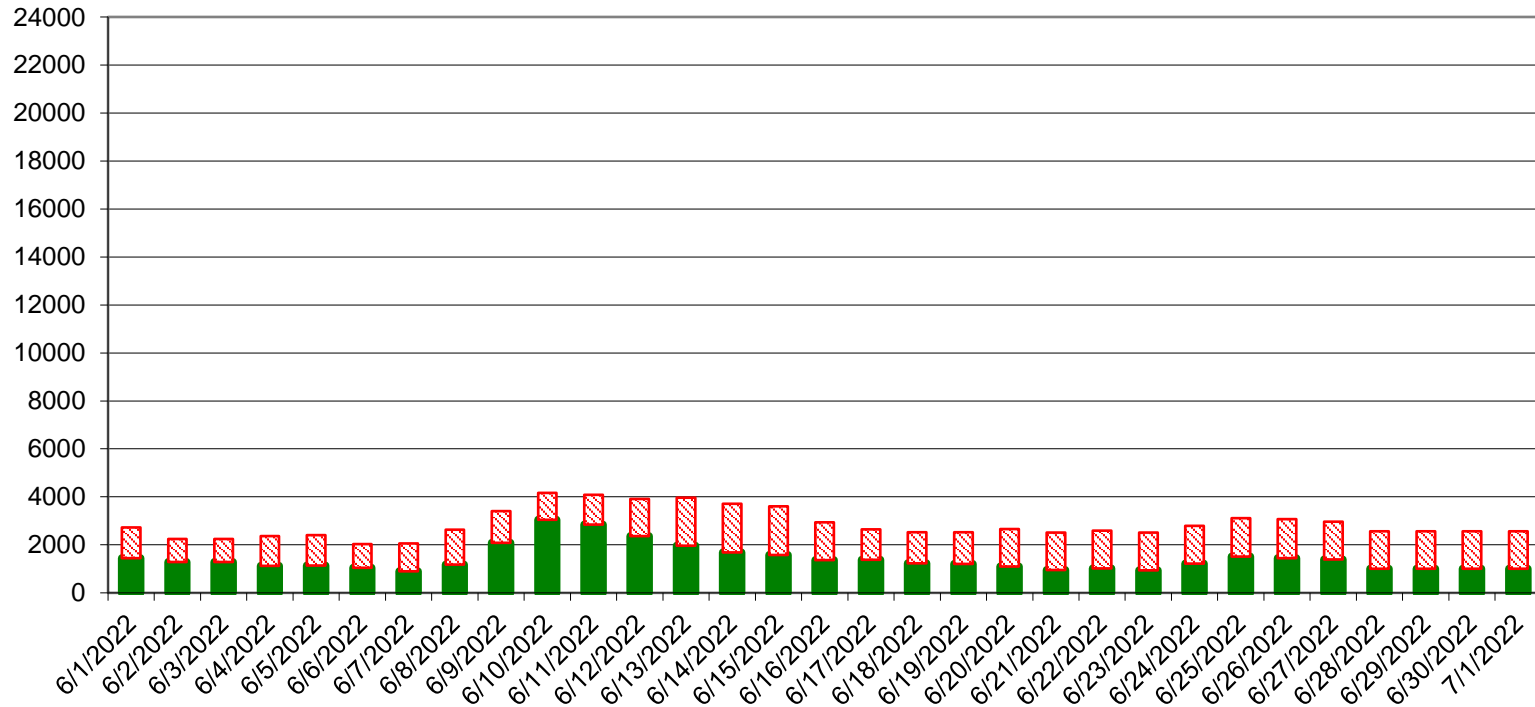
Starting Date 12:00 AM	Daily Avg. Elevation	Net Average Inflow	Sacandaga River Flow		Settlement Level	Hudson at Hadley	Hudson River Below Confluence	Hudson River Target Flow		Maximum Allowable Sacandaga
			Average Release	Maximum (Table F - Elev.)				Minimum (Table B - Level)	Maximum (Table D & E)	
6/1/2022	767.13	1400	1280	5400	3.00	1440	2720	2000	7500	5400
6/2/2022	767.13	900	960	5400	2.99	1290	2250	1995	7500	5400
6/3/2022	767.11	700	961	5353	2.98	1290	2251	1990	7500	5400
6/4/2022	767.06	200	1250	5353	2.97	1120	2370	1986	7500	5353
6/5/2022	766.96	0	1260	5307	2.96	1140	2400	1981	7500	5307
6/6/2022	766.90	800	996	5260	2.96	1040	2036	1981	7500	5260
6/7/2022	766.88	1000	1160	5260	2.96	901	2061	1981	7500	5260
6/8/2022	766.87	1500	1450	5260	2.96	1180	2630	1981	7500	5260
6/9/2022	766.99	4500	1320	5307	3.00	2080	3400	2000	7500	5260
6/10/2022	767.14	1900	1110	5400	3.04	3050	4160	2080	7580	5353
6/11/2022	767.15	900	1240	5400	3.04	2850	4090	2080	7580	5400
6/12/2022	767.15	2200	1550	5400	3.05	2360	3910	2100	7600	5400
6/13/2022	767.15	1500	2000	5400	3.05	1970	3970	2100	7600	5400
6/14/2022	767.08	600	2020	5353	3.04	1690	3710	2060	7560	5400
6/15/2022	766.98	900	2020	5307	3.03	1580	3600	2040	7540	5353
6/16/2022	766.90	700	1570	5260	3.02	1370	2940	2020	7520	5307
6/17/2022	766.85	900	1270	5260	3.00	1380	2650	2000	7500	5260
6/18/2022	766.77	-200	1290	5213	2.97	1230	2520	1986	7500	5260
6/19/2022	766.66	100	1310	5167	2.95	1210	2520	1976	7500	5167
6/20/2022	766.56	300	1560	5120	2.93	1100	2660	1962	7500	5120
6/21/2022	766.47	500	1560	5073	2.90	946	2506	1952	7500	5073
6/22/2022	766.38	500	1570	5027	2.88	1020	2590	1942	7500	5073
6/23/2022	766.33	1600	1570	5027	2.87	945	2515	1938	7500	5027
6/24/2022	766.32	1300	1570	4980	2.87	1220	2790	1938	7500	5027
6/25/2022	766.28	1000	1600	4980	2.87	1510	3110	1938	7500	4980
6/26/2022	766.23	1000	1620	4980	2.88	1450	3070	1942	7500	4980
6/27/2022	766.25	2900	1570	4980	2.88	1390	2960	1942	7500	4933
6/28/2022	766.31	1800	1567	4980	2.89	1000	2567	1942	7500	4980
6/29/2022	766.30	1300	1567	4980	2.89	1000	2567	1947	7500	4980
6/30/2022	766.26	1000	1567	4980	2.90	1000	2567	1947	7500	4980
7/1/2022	766.20	900	1567	4933	2.90	1000	2567	1952	7500	4980

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



Great Sacandaga Lake GSL Release and Natural Hudson River Flow

Total Flow Below Confluence (cfs)



Date



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

Monthly Report for: May 2022

Day	Sacandaga Reservoir Elevation Average Daily	Sacandaga Reservoir Elevation Midnight	Sacandaga River Near Hope cfs	Reservoir Inflow Hope x 1.8951 cfs	Sacandaga River at Stewarts Bridge cfs	Hudson River at Hadley cfs	Regulated Hudson River below confluence cfs
1	768.66	768.73	1260	2388	3580	4870	8450
2	768.52	768.59	1110	2104	3550	4420	7970
3	768.38	768.45	1030	1952	3800	4120	7920
4	768.23	768.30	999	1893	3850	4010	7860
5	768.09	768.13	1190	2255	4060	4300	8360
6	767.91	768.01	991	1878	4040	4370	8410
7	767.67	767.73	912	1728	4080	3950	8030
8	767.50	767.62	815	1545	4060	3570	7630
9	767.29	767.41	738	1399	4040	3140	7180
10	767.17	767.23	666	1262	2070	2850	4920
11	767.09	767.10	601	1139	1580	2770	4350
12	767.05	767.01	501	949	1590	2570	4160
13	767.05	767.08	463	877	1080	2540	3620
14	767.03	766.93	448	849	992	2380	3372
15	767.03	767.01	505	957	1010	2300	3310
16	767.11	766.96	1450	2748	821	2680	3501
17	767.41	767.26	3160	5989	1030	3780	4810
18	767.53	767.43	1940	3676	857	4310	5167
19	767.64	767.50	1490	2824	1170	3980	5150
20	767.70	767.62	1400	2653	1980	3840	5820
21	767.71	767.73	1140	2160	2010	3690	5700
22	767.70	767.67	898	1702	2000	3430	5430
23	767.60	767.60	760	1440	2000	3120	5120
24	767.52	767.53	642	1217	2080	2730	4810
25	767.47	767.44	561	1063	1620	2530	4150
26	767.42	767.41	489	927	1150	2080	3230
27	767.37	767.40	457	866	1310	1950	3260
28	767.33	767.31	435	824	1310	1790	3100
29	767.27	767.30	406	769	1310	1770	3080
30	767.23	767.25	364	690	1290	1650	2940
31	767.17	767.23	332	629	844	1470	2314

AVERAGE		910	1720	2130	3130	5260
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CHANGE IN STORAGE DURING THE MONTH -1.78 B.C.F.

 CHIEF ENGINEER

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

Monthly Report for: May, 2022

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	1650.37	1650.39	246	362	539	2280
2	1650.31	1650.34	198	360	497	1970
3	1650.24	1650.27	220	359	493	1880
4	1650.19	1650.21	266	359	517	1820
5	1650.15	1650.17	241	357	691	2070
6	1650.17	1650.12	224	247	719	2010
7	1650.16	1650.11	275	159	605	1820
8	1650.17	1650.16	229	160	505	1540
9	1650.17	1650.19	90	159	433	1260
10	1650.16	1650.16	136	159	404	1290
11	1650.14	1650.15	66	159	414	1150
12	1650.14	1650.12	206	160	440	1220
13	1650.12	1650.13	21	160	462	1100
14	1650.09	1650.07	205	159	496	1200
15	1650.11	1650.09	300	161	531	1270
16	1650.19	1650.15	510	163	748	1540
17	1650.26	1650.30	-24	161	1060	2590
18	1650.30	1650.22	439	277	1050	2510
19	1650.26	1650.29	197	336	813	2240
20	1650.22	1650.23	242	335	709	2100
21	1650.16	1650.19	149	334	656	2040
22	1650.08	1650.12	79	334	589	1830
23	1649.97	1650.00	149	334	521	1560
24	1649.89	1649.92	81	243	437	1450
25	1649.84	1649.86	59	198	365	1140
26	1649.78	1649.79	129	198	312	1010
27	1649.72	1649.76	105	198	274	855
28	1649.67	1649.72	34	198	264	922
29	1649.62	1649.65	22	198	270	862
30	1649.56	1649.57	0	198	253	732
31	1649.49	1649.48	132	198	226	800

AVERAGE 169 238 526 1550

CHANGE IN STORAGE DURING THE MONTH -0.186 B.C.F

CHIEF ENGINEER

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

Monthly Report for: May 2022

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	1678.51	1678.55	350	600	681	688	4150
2	1678.43	1678.47	381	600	559	758	3750
3	1678.36	1678.40	350	600	674	686	3590
4	1678.31	1678.32	506	600	691	748	3620
5	1678.26	1678.29	413	600	758	873	3900
6	1678.22	1678.23	425	425	720	736	4080
7	1678.22	1678.23	238	300	661	512	3690
8	1678.20	1678.21	269	300	633	490	3300
9	1678.19	1678.20	206	300	597	344	2850
10	1678.17	1678.17	206	300	485	420	2680
11	1678.13	1678.14	238	300	399	338	2440
12	1678.10	1678.12	206	300	380	466	2320
13	1678.06	1678.09	175	300	365	359	2180
14	1678.03	1678.05	238	300	357	330	2100
15	1678.03	1678.03	300	300	362	402	2250
16	1678.04	1678.03	394	300	390	485	2860
17	1678.10	1678.06	581	300	538	593	3160
18	1678.17	1678.15	394	300	502	602	3520
19	1678.22	1678.18	550	300	465	587	3560
20	1678.29	1678.26	456	300	447	610	3700
21	1678.32	1678.31	394	300	439	568	3420
22	1678.35	1678.34	425	300	438	562	3280
23	1678.36	1678.38	269	300	435	512	3010
24	1678.35	1678.37	175	300	386	319	2550
25	1678.32	1678.33	175	300	315	373	2230
26	1678.28	1678.29	144	300	294	309	2190
27	1678.28	1678.24	706	300	274	384	2260
28	1678.40	1678.37	550	300	356	742	3450
29	1678.47	1678.45	394	300	346	832	3940
30	1678.48	1678.48	331	300	290	598	3540
31	1678.47	1678.49	238	300	244	463	2580

AVERAGE

344

352

470

540

3100

CHANGE IN STORAGE DURING THE MONTH

-0.02 B.C.F.

CHIEF ENGINEER

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

Monthly Report for: May, 2022

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1784.93	1784.91	19	0.08	0.08	8
2	1784.96	1784.94	19	0.08	0.08	8
3	1784.99	1784.97	22	0.08	0.08	8
4	1785.04	1785.01	30	0.08	0.08	8
5	1785.09	1785.07	19	0.08	0.08	8
6	1785.12	1785.10	25	0.00	0.08	6
7	1785.16	1785.15	11	0.00	0.08	4
8	1785.19	1785.17	15	0.00	0.08	4
9	1785.22	1785.20	15	0.00	0.08	4
10	1785.24	1785.23	15	0.00	0.08	4
11	1785.25	1785.26	0	0.00	0.08	4
12	1785.27	1785.25	15	0.00	0.08	4
13	1785.29	1785.28	11	0.00	0.08	4
14	1785.33	1785.30	30	0.00	0.08	4
15	1785.38	1785.37	19	0.00	0.08	4
16	1785.44	1785.41	34	0.00	0.08	4
17	1785.53	1785.49	37	0.00	0.08	4
18	1785.61	1785.58	19	0.00	0.08	4
19	1785.67	1785.62	8	0.00	0.08	4
20	1785.75	1785.71	4	0.00	0.08	4
21	1785.80	1785.77	4	0.00	0.08	4
22	1785.84	1785.82	4	0.00	0.08	4
23	1785.90	1785.88	4	0.00	0.08	4
24	1785.91	1785.90	4	0.00	0.08	4
25	1785.93	1785.92	8	0.00	0.17	8
26	1785.93	1785.93	10	0.00	0.17	10
27	1785.95	1785.91	10	0.00	0.17	10
28	1785.99	1785.97	10	0.00	0.17	10
29	1786.01	1786.00	10	0.00	0.17	10
30	1786.02	1786.02	10	0.00	0.17	10
31	1786.02	1786.03	10	0.00	0.17	10

AVERAGE 15 6

CHANGE IN STORAGE DURING THE MONTH 0.035 B.C.F

CHIEF ENGINEER

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

Monthly Report for: May, 2022

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1706.58	1706.57	55	0.08	0.08	8
2	1706.62	1706.60	83	0.08	0.08	8
3	1706.67	1706.65	68	0.08	0.08	8
4	1706.72	1706.69	121	0.08	0.08	8
5	1706.78	1706.76	72	0.08	0.08	8
6	1706.82	1706.80	82	0.25	0.25	22
7	1706.85	1706.84	-6	0.25	0.25	24
8	1706.84	1706.82	39	0.25	0.25	24
9	1706.84	1706.83	54	0.25	0.25	24
10	1706.85	1706.85	24	0.25	0.25	24
11	1706.85	1706.85	29	0.08	0.08	14
12	1706.86	1706.86	8	0.08	0.08	8
13	1706.86	1706.86	32	0.25	0.25	17
14	1706.89	1706.87	103	0.25	0.25	24
15	1706.93	1706.92	56	0.25	0.25	24
16	1706.95	1706.94	28	0.67	0.67	60
17	1706.94	1706.92	182	0.67	0.67	85
18	1706.97	1706.98	69	0.67	0.67	85
19	1706.97	1706.97	117	0.67	0.67	85
20	1706.98	1706.99	53	0.67	0.67	85
21	1706.96	1706.97	101	0.67	0.67	85
22	1706.96	1706.98	69	0.67	0.67	85
23	1706.96	1706.97	53	0.67	0.67	85
24	1706.92	1706.95	19	0.67	0.67	84
25	1706.88	1706.91	6	0.67	0.67	84
26	1706.83	1706.86	9	0.67	0.67	84
27	1706.84	1706.81	189	0.33	0.33	52
28	1706.89	1706.90	32	0.33	0.33	32
29	1706.89	1706.90	32	0.33	0.33	32
30	1706.88	1706.90	1	0.33	0.33	32
31	1706.87	1706.88	32	0.33	0.33	32

AVERAGE 58 43

CHANGE IN STORAGE DURING THE MONTH 0.041 B.C.F

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
SACANDAGA RESERVOIR OPERATION
FOR WEEK ENDING: June 4, 2022

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 28	767.31	34.48	12 AM - Mid	1,310	1,790	3,100
Sunday 29	767.30	34.48	12 AM - Mid	1,310	1,770	3,080
Monday 30	767.25	34.42	12 AM - Mid	1,290	1,650	2,940
Tuesday 31	767.23	34.40	12 AM - Mid	844	1,470	2,314
Wednesday 1	767.17	34.33	12 AM - Mid	1,280	1,440	2,720
Thursday 2	767.11	34.26	12 AM - Mid	960	1,290	2,250
Friday 3	767.13	34.29	12 AM - Mid	961	1,290	2,251
Saturday 4	767.08	34.23	12 AM - Mid	1,250	1,120	2,370
CHANGE IN STORAGE DURING THE WEEK		-0.25	* 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	769.35	36.83	6	2020	766.99	34.13
2	2014	768.26	35.58	7	2018	766.88	34.01
3	2017	767.29	34.47	8	2016	766.31	33.37
4	2013	767.10	34.25	9	2021	765.65	32.63
5	2022	767.08	34.23	10	2015	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: June 11, 2022

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 4	767.08	34.23	12 AM - Mid	1,250	1,120	2,370
Sunday 5	767.04	34.19	12 AM - Mid	1,260	1,140	2,400
Monday 6	766.88	34.01	12 AM - Mid	996	1,040	2,036
Tuesday 7	766.83	33.95	12 AM - Mid	1,160	901	2,061
Wednesday 8	766.81	33.92	12 AM - Mid	1,450	1,180	2,630
Thursday 9	766.90	34.03	12 AM - Mid	1,320	2,080	3,400
Friday 10	767.11	34.26	12 AM - Mid	1,110	3,050	4,160
Saturday 11	767.13	34.29	12 AM - Mid	1,240	2,850	4,090
CHANGE IN STORAGE DURING THE WEEK		0.06	* 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	769.16	36.61	6	2020	766.70	33.80
2	2017	768.90	36.31	7	2018	766.67	33.77
3	2013	767.60	34.82	8	2016	766.44	33.51
4	2014	767.14	34.30	9	2021	765.69	32.68
5	2022	767.13	34.29	10	2015	765.27	32.21

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 18, 2022

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 11	767.13	34.29	12 AM - Mid	1,240	2,850	4,090
Sunday 12	767.14	34.30	12 AM - Mid	1,550	2,360	3,910
Monday 13	767.08	34.23	12 AM - Mid	2,000	1,970	3,970
Tuesday 14	767.12	34.28	12 AM - Mid	2,020	1,690	3,710
Wednesday 15	766.98	34.12	12 AM - Mid	2,020	1,580	3,600
Thursday 16	766.92	34.05	12 AM - Mid	1,570	1,370	2,940
Friday 17	766.81	33.92	12 AM - Mid	1,270	1,380	2,650
Saturday 18	766.90	34.03	12 AM - Mid	1,290	1,230	2,520
CHANGE IN STORAGE DURING THE WEEK		-0.26	* 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	769.60	37.11	6	2018	766.33	33.39
2	2019	768.48	35.83	7	2015	766.31	33.37
3	2017	767.67	34.90	8	2016	766.20	33.24
4	2022	766.90	34.03	9	2020	766.14	33.18
5	2013	766.86	33.98	10	2021	765.69	32.68

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 25, 2022

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 18	766.90	34.03	12 AM - Mid	1,290	1,230	2,520
Sunday 19	766.70	33.80	12 AM - Mid	1,310	1,210	2,520
Monday 20	766.64	33.74	12 AM - Mid	1,560	1,100	2,660
Tuesday 21	766.49	33.57	12 AM - Mid	1,560	946	2,506
Wednesday 22	766.39	33.46	12 AM - Mid	1,570	1,020	2,590
Thursday 23	766.31	33.36	12 AM - Mid	1,570	945	2,515
Friday 24	766.31	33.36	12 AM - Mid	1,570	1,220	2,790
Saturday 25	766.28	33.33	12 AM - Mid	1,600	1,510	3,110
CHANGE IN STORAGE DURING THE WEEK		-0.69	* 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	2022	766.28	33.33
2	2014	768.10	35.39	7	2018	765.69	32.68
3	2017	766.86	33.98	8	2020	765.48	32.44
4	2015	766.76	33.87	9	2016	765.48	32.44
5	2013	766.72	33.83	10	2021	765.30	32.24

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 4, 2022

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 28	1,649.72	3.46	12 AM - Mid	196	264	922
Sunday 29	1,649.65	3.44	12 AM - Mid	196	270	862
Monday 30	1,649.57	3.43	12 AM - Mid	195	253	732
Tuesday 31	1,649.48	3.41	12 AM - Mid	195	226	800
Wednesday 1	1,649.45	3.41	12 AM - Mid	195	200	629
Thursday 2	1,649.36	3.39	12 AM - Mid	178	183	708
Friday 3	1,649.37	3.39	12 AM - Mid	160	171	514
Saturday 4	1,649.30	3.38	12 AM - Mid	160	154	633

CHANGE IN STORAGE DURING THE WEEK	-0.08	* INIDAN RIVER NEAR INDIAN LAKE
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2015	1,650.94	3.71	6	2014	1,649.98	3.51
2	2013	1,650.70	3.65	7	2016	1,649.86	3.49
3	2017	1,650.24	3.56	8	2020	1,649.73	3.46
4	2021	1,650.08	3.53	9	2022	1,649.30	3.38
5	2019	1,650.03	3.52	10	2018	1,649.22	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 11, 2022

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 4	1,649.30	3.38	12 AM - Mid	160	154	633
Sunday 5	1,649.21	3.36	12 AM - Mid	160	138	530
Monday 6	1,649.19	3.36	12 AM - Mid	160	131	372
Tuesday 7	1,649.09	3.34	12 AM - Mid	160	125	514
Wednesday 8	1,649.17	3.35	12 AM - Mid	163	302	796
Thursday 9	1,649.26	3.37	12 AM - Mid	163	661	1,900
Friday 10	1,649.42	3.40	12 AM - Mid	162	794	2,180
Saturday 11	1,649.50	3.42	12 AM - Mid	162	697	1,940
CHANGE IN STORAGE DURING THE WEEK		0.04	* 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	1,650.91	3.70	6	2016	1,649.76	3.47
2	2013	1,650.60	3.63	7	2014	1,649.70	3.45
3	2017	1,650.53	3.62	8	2020	1,649.63	3.44
4	2019	1,650.03	3.52	9	2022	1,649.50	3.42
5	2021	1,649.97	3.51	10	2018	1,649.13	3.34

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 18, 2022

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 11	1,649.50	3.42	12 AM - Mid	162	697	1,940
Sunday 12	1,649.52	3.42	12 AM - Mid	162	527	1,420
Monday 13	1,649.53	3.42	12 AM - Mid	162	426	1,060
Tuesday 14	1,649.56	3.43	12 AM - Mid	162	370	1,040
Wednesday 15	1,649.54	3.42	12 AM - Mid	161	307	787
Thursday 16	1,649.51	3.42	12 AM - Mid	161	266	831
Friday 17	1,649.48	3.41	12 AM - Mid	161	243	677
Saturday 18	1,648.41	3.21	12 AM - Mid	161	216	737
CHANGE IN STORAGE DURING THE WEEK		-0.20	* 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	2013	1,651.07	3.73	6	2020	1,649.45	3.41
2	2015	1,650.85	3.69	7	2017	1,649.29	3.37
3	2014	1,650.83	3.68	8	2018	1,648.95	3.31
4	2021	1,650.06	3.53	9	2016	1,648.94	3.31
5	2019	1,649.49	3.41	10	2022	1,648.41	3.21

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 25, 2022

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 18	1,648.41	3.21	12 AM - Mid	161	216	737
Sunday 19	1,649.30	3.38	12 AM - Mid	161	193	622
Monday 20	1,649.28	3.37	12 AM - Mid	161	175	460
Tuesday 21	1,649.22	3.36	12 AM - Mid	161	158	583
Wednesday 22	1,649.20	3.36	12 AM - Mid	161	150	440
Thursday 23	1,649.17	3.35	12 AM - Mid	161	160	660
Friday 24	1,649.38	3.39	12 AM - Mid	163	211	954
Saturday 25	1,649.55	3.42	12 AM - Mid	163	261	1,130
CHANGE IN STORAGE DURING THE WEEK		0.21	* 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	1,651.18	3.76	6	2019	1,649.45	3.41
2	2013	1,650.24	3.56	7	2020	1,649.24	3.37
3	2014	1,649.93	3.50	8	2017	1,648.80	3.28
4	2021	1,649.64	3.44	9	2018	1,648.73	3.27
5	2022	1,649.55	3.42	10	2016	1,648.51	3.23

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 4, 2022**

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 28	1,678.37	4.52	12 AM -Mid	300	742	3,450
Sunday 29	1,678.45	4.55	12 AM -Mid	300	832	3,940
Monday 30	1,678.48	4.55	12 AM -Mid	300	598	3,540
Tuesday 31	1,678.49	4.56	12 AM -Mid	300	463	2,580
Wednesday 1	1,678.47	4.55	12 AM -Mid	300	486	2,400
Thursday 2	1,678.53	4.56	12 AM -Mid	300	735	3,130
Friday 3	1,678.56	4.57	12 AM -Mid	300	714	4,180
Saturday 4	1,678.55	4.57	12 AM -Mid	300	399	3,560
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	1,679.52	4.84	6	2021	1,677.84	4.38
2	2017	1,678.76	4.63	7	2016	1,677.05	4.17
3	2014	1,678.68	4.61	8	2018	1,677.02	4.16
4	2013	1,678.66	4.60	9	2020	1,675.62	3.81
5	2022	1,678.55	4.57	10	2015	1,675.44	3.77

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 11, 2022**

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 4	1,678.55	4.57	12 AM -Mid	300	399	3,560
Sunday 5	1,678.50	4.56	12 AM -Mid	300	385	2,670
Monday 6	1,678.45	4.55	12 AM -Mid	300	379	2,030
Tuesday 7	1,678.41	4.53	12 AM -Mid	300	411	2,210
Wednesday 8	1,678.37	4.52	12 AM -Mid	300	623	2,460
Thursday 9	1,678.44	4.54	12 AM -Mid	300	715	4,190
Friday 10	1,678.56	4.57	12 AM -Mid	300	845	5,320
Saturday 11	1,678.61	4.59	12 AM -Mid	300	597	5,410
CHANGE IN STORAGE DURING THE WEEK		0.02				

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	1,679.64	4.87	6	2016	1,677.97	4.42
2	2017	1,679.48	4.83	7	2015	1,677.81	4.37
3	2013	1,679.13	4.73	8	2021	1,677.39	4.26
4	2022	1,678.61	4.59	9	2018	1,676.68	4.08
5	2014	1,678.27	4.49	10	2020	1,675.96	3.90

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 18, 2022**

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 11	1,678.61	4.59	12 AM -Mid	300	597	5,410
Sunday 12	1,678.63	4.59	12 AM -Mid	300	496	4,930
Monday 13	1,678.61	4.59	12 AM -Mid	300	492	4,050
Tuesday 14	1,678.59	4.58	12 AM -Mid	300	364	3,150
Wednesday 15	1,678.55	4.57	12 AM -Mid	300	370	2,560
Thursday 16	1,678.51	4.56	12 AM -Mid	300	395	2,160
Friday 17	1,678.50	4.56	12 AM -Mid	300	430	2,180
Saturday 18	1,678.45	4.55	12 AM -Mid	300	431	2,120
CHANGE IN STORAGE DURING THE WEEK		-0.04				

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2014	1,679.15	4.74	6	2022	1,678.45	4.55
2	2015	1,679.00	4.69	7	2016	1,677.91	4.40
3	2019	1,678.94	4.68	8	2021	1,676.98	4.16
4	2013	1,678.84	4.65	9	2018	1,676.22	3.96
5	2017	1,678.67	4.60	10	2020	1,676.15	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 25, 2022**

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 18	1,678.45	4.55	12 AM -Mid	300	431	2,120
Sunday 19	1,678.41	4.53	12 AM -Mid	300	389	1,990
Monday 20	1,678.36	4.52	12 AM -Mid	300	371	1,860
Tuesday 21	1,678.30	4.50	12 AM -Mid	300	320	1,650
Wednesday 22	1,678.38	4.53	12 AM -Mid	300	381	1,440
Thursday 23	1,678.41	4.53	12 AM -Mid	300	424	1,410
Friday 24	1,678.44	4.54	12 AM -Mid	300	442	1,870
Saturday 25	1,678.44	4.54	12 AM -Mid	300	358	3,260

CHANGE IN STORAGE DURING THE WEEK	0.00
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2017	1,680.19	5.03	6	2013	1,677.94	4.41
2	2015	1,679.91	4.95	7	2016	1,677.75	4.36
3	2014	1,678.68	4.61	8	2021	1,676.49	4.03
4	2022	1,678.44	4.54	9	2020	1,676.10	3.93
5	2019	1,678.23	4.49	10	2018	1,675.71	3.83

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 4, 2022**

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 28	1,706.90	0.912	32	1,785.97	0.301	10
Sunday 29	1,706.90	0.912	32	1,786.00	0.302	10
Monday 30	1,706.90	0.912	32	1,786.02	0.303	10
Tuesday 31	1,706.88	0.909	32	1,786.03	0.303	10
Wednesday 1	1,706.88	0.909	32	1,786.01	0.302	10
Thursday 2	1,706.95	0.919	75	1,786.10	0.305	21
Friday 3	1,706.94	0.917	100	1,786.11	0.306	25
Saturday 4	1,706.91	0.913	100	1,786.08	0.305	25
CHANGE IN STORAGE		0.001			0.004	

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	1,706.98	0.923	1	2022	1,786.08	0.305
2	2019	1,706.93	0.915	2	2021	1,785.94	0.300
3	2022	1,706.91	0.913	3	2019	1,785.86	0.298
4	2020	1,706.84	0.904	4	2018	1,785.78	0.295
5	2018	1,706.47	0.854	5	2020	1,784.54	0.256

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 11, 2022**

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 4	1,706.91	0.913	100	1,786.08	0.305	25
Sunday 5	1,706.85	0.904	100	1,786.05	0.304	25
Monday 6	1,706.79	0.896	48	1,786.01	0.302	17
Tuesday 7	1,706.79	0.896	16	1,785.97	0.301	10
Wednesday 8	1,706.79	0.896	16	1,786.06	0.304	17
Thursday 9	1,706.89	0.910	16	1,786.09	0.305	25
Friday 10	1,706.97	0.922	62	1,786.19	0.308	39
Saturday 11	1,707.01	0.927	85	1,786.18	0.308	46
CHANGE IN STORAGE		0.014			0.003	

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	1,707.01	0.927	1	2022	1,786.18	0.308
2	2021	1,707.00	0.926	2	2021	1,785.95	0.300
3	2019	1,706.96	0.920	3	2019	1,785.95	0.300
4	2020	1,706.91	0.913	4	2018	1,785.89	0.299
5	2018	1,706.58	0.868	5	2020	1,784.62	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 18, 2022**

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 11	1,707.01	0.927	85	1,786.18	0.308	46
Sunday 12	1,707.02	0.927	85	1,786.13	0.306	46
Monday 13	1,707.00	0.926	85	1,786.06	0.304	46
Tuesday 14	1,706.99	0.924	85	1,785.99	0.302	24
Wednesday 15	1,706.96	0.920	84	1,785.95	0.300	10
Thursday 16	1,706.94	0.917	84	1,785.95	0.300	10
Friday 17	1,706.88	0.909	52	1,785.95	0.300	10
Saturday 18	1,706.88	0.909	32	1,785.93	0.300	10
CHANGE IN STORAGE		-0.018			-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	2019	1,706.95	0.919	1	2021	1,786.00	0.302
2	2022	1,706.88	0.909	2	2018	1,785.97	0.301
3	2021	1,706.85	0.904	3	2022	1,785.93	0.300
4	2020	1,706.72	0.888	4	2019	1,785.89	0.299
5	2018	1,706.67	0.880	5	2020	1,784.73	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 25, 2022**

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 18	1,706.88	0.909	32	1,785.93	0.300	10
Sunday 19	1,706.87	0.907	32	1,785.93	0.300	10
Monday 20	1,706.83	0.901	32	1,785.91	0.299	10
Tuesday 21	1,706.81	0.899	15	1,785.89	0.299	7
Wednesday 22	1,706.96	0.920	87	1,785.98	0.301	21
Thursday 23	1,706.95	0.919	183	1,785.99	0.302	38
Friday 24	1,706.96	0.920	183	1,786.05	0.304	38
Saturday 25	1,706.91	0.913	182	1,786.04	0.303	38
CHANGE IN STORAGE		0.004			0.004	

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	1,707.10	0.938	1	2021	1,786.10	0.305
2	2021	1,706.96	0.920	2	2022	1,786.04	0.303
3	2022	1,706.91	0.913	3	2018	1,786.01	0.302
4	2018	1,706.78	0.895	4	2019	1,785.89	0.299
5	2020	1,706.73	0.889	5	2020	1,784.72	0.261

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 2022**

Activity report for June 2022

SFO

- Participated in OSHA Confined Space Training
- Placed 197 tons of rip rap stone in the Town of Northampton
- Placed 173 tons of rip rap stone in the Town of Day
- Performed lawn maintenance and general upkeep
- Cleaned offices and conference room weekly
- Performed maintenance on vehicles and equipment
- Assisted in an inspection of the workboat by *Coast Marine Services*

Indian Lake

- Repaired log boom & installed 3 new sections
- Removed debris from the spillway and upstream face of dam
- Repaired driveway culvert

Conklingville Dam

- Performed lawn maintenance and general upkeep
- Performed daily readings of piezometers and visual inspections of the dam
- Built and installed brackets on two piezometer wells to support new equipment
- Installed a new garage door on the storage garage
- Performed maintenance on vehicle and equipment
- Participated in OSHA Confined Space Training
- Performed monthly dow valve test

Respectfully,

Matthew Ginter

Operations Manager

**Black River Area
Report of the Superintendent
Black River Field Office at the Stillwater Reservoir (BRFO)
June 2022**

- Road maintenance, raked, applied gravel
- Covid 19 regulation.
- Purchased equipment to replace older equipment
- Mowing of facilities has started
- Worked with engineering staff to monitor seepage area at SL
- Periodic maintenance to mowing equipment
- Material pricing for future projects
- Test ran gates 1,2,3,4 at SW
- Inspected bent shaft in gate #4
- Installed log booms SL
- Worked on gate #1 at OF
- Vehicle-Trailer maintenance/repairs/inspections
- 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.