

REPORT OF CHIEF ENGINEER
HUDSON RIVER - BLACK RIVER REGULATING DISTRICT
BOARD MEETING
JUNE 13, 2023 – MAYFIELD, NEW YORK

HUDSON RIVER AREA - MAY SUMMARY

Reservoir Operation

Great Sacandaga Lake

The May average daily release from the Sacandaga Reservoir (Great Sacandaga Lake) was approximately 3,220 cubic feet per second (cfs). The Upper Hudson / Sacandaga River Offer of Settlement target elevation for May 31 is 767.12 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
Apr. 30	769.06	+4.07	+5.44	0	3,390
May 31	766.7 (e)	+0.1 (e)	-0.4 (e)	0	958 (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 National Geodetic Vertical Datum

Indian Lake Reservoir

The May average daily release from Indian Lake was approximately 335 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	
Apr. 30	1,650.25	+0.55	-0.38	195
May 31	1,650.5 (e)	+0.6 (e)	+0.8 (e)	170 (e)

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

⁽²⁾ "(e)" represents estimated value

HUDSON RIVER AREA - MAY SUMMARY- continued

River Flow

Hudson River flow, downstream of the confluence with the Sacandaga River, was approximately 2,730 cfs on May 29 and approximately 2,820 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	1,360 (e)	1,730
Sacandaga at Stewarts Bridge	3,220 (e)	2,410
Indian at Indian Lake Dam	335 (e)	331
Hudson at Hadley (1)	4,940 (e)	5,200

Notes: (1) Above confluence with Sacandaga River
(2) Based on USGS records
(3) "(e)" represents estimated value

Precipitation

Monthly total precipitation measured 45%, 28%, and 31% historic average at Indian Lake, Mayfield, and Conklingville, respectively, as of May 25

Table 4.0 - *Hudson River Basin Precipitation - as of May 25*

Station	Monthly Total (inch)	Historic Average (inch)
Indian Lake	1.67	3.70
Mayfield	1.08	3.82
Conklingville	1.10	3.54

HUDSON RIVER AREA - MAY SUMMARY- continued

Operation Overview

Precipitation during the month of May was below normal across the Great Sacandaga Lake watershed and the Indian Lake watershed. The monthly inflow to Great Sacandaga Lake and Indian Lake reservoir was approximately 73% and 84% of historic average, respectively. Monthly release of water from Great Sacandaga Lake and Indian Lake measured 134% and 84% of historic average, respectively.

Great Sacandaga Lake Operation

Great Sacandaga Lake operation summary report for the period May 1, 2023 through May 25, 2023 is attached. This report includes projected and forecast values for dates after May 25, 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 – MAY SUMMARY

Reservoir Operations

Stillwater Reservoir

The May average daily release from Stillwater Reservoir was approximately 310 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)
Apr. 30	1,676.26	-0.92	200
May 31	1,677.6 (e)	-0.9 (e)	300 (e)

Notes: (1) Difference between current reservoir elevation and historic average
(2) "(e)" represents estimated value

Sixth Lake Reservoir

The May average daily release from Sixth Lake Reservoir was approximately 22 cfs.

Table 2.0 - *Sixth Lake Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
Apr. 30	1,784.39	-0.39	3
May 31	1,785.8 (e)	+0.0 (e)	4 (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 May average daily release from Old Forge Reservoir was approximately 25 cfs.

Table 3.0 - *Old Forge Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
Apr. 30	1,705.78	+0.0	4
May 31	1,705.9 (e)	-0.9 (e)	24 (e)

Notes: (1) Local Datum = USGS elevation
(2) Difference between current reservoir elevation and historic average.
(3) "(e)" represents estimated value

BLACK RIVER AREA - MAY SUMMARY - continued

River Flow

The average daily Black River flow, as measured at the Watertown gauge, was approximately 1,680 cfs on May 28

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

River	Monthly Average Flow (cfs)	Historic Average Flow ⁽¹⁾ (cfs)
Moose at McKeever	991 (e)	1,281
Beaver at Croghan	540 (e)	720
Black at Watertown	3,640 (e)	5,360

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 33%, 29%, 57% of historic average at Stillwater, Old Forge, and Sixth Lake, respectively, as of May 23.

Table 5.0 - *Black River Basin Precipitation - as of May 23*

Station	Monthly Total (inch)	Historic Average (inch)
Stillwater	1.46	4.39
Old Forge	1.25	4.33
Sixth Lake	2.24	3.93

BLACK RIVER AREA - MAY SUMMARY - continued

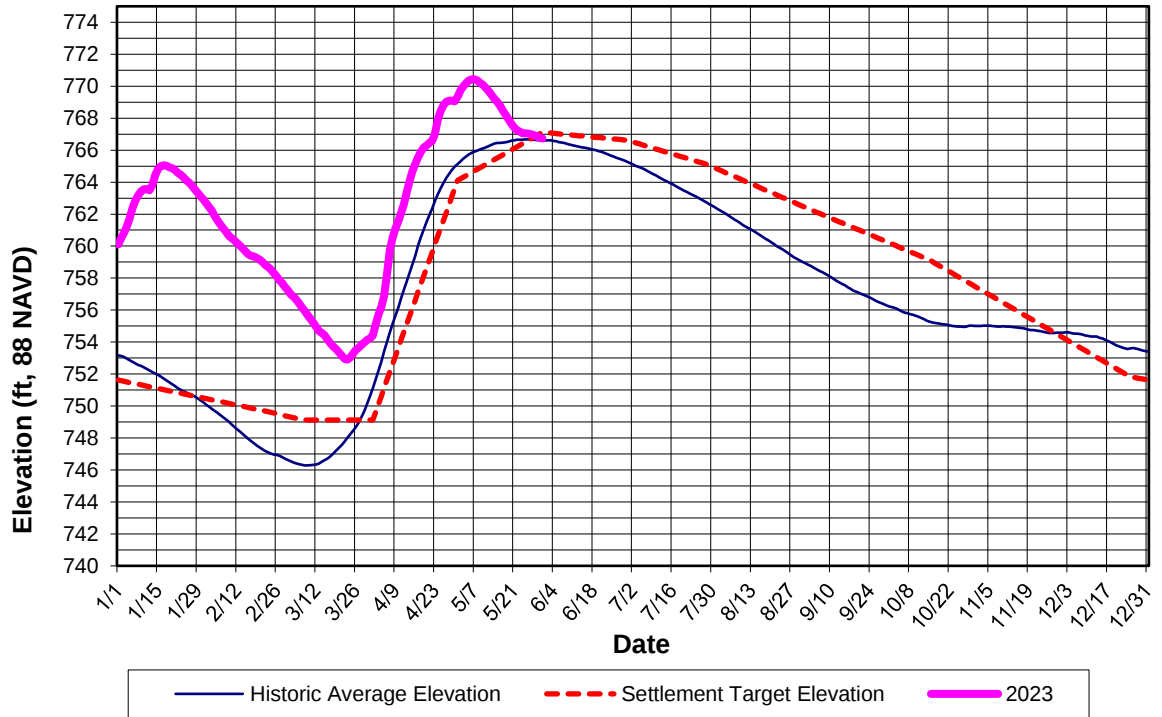
Operation Overview

Precipitation in the month of May was below average at Stillwater and below average at Sixth Lake and Old Forge. The monthly inflow to Stillwater Reservoir was approximately 82% of historic average. The inflow to Sixth Lake and Old Forge Reservoir totaled 0.10 and 0.21 billion cubic feet, respectively, in May. Release of water from Stillwater Reservoir averaged 65% of historic discharge.

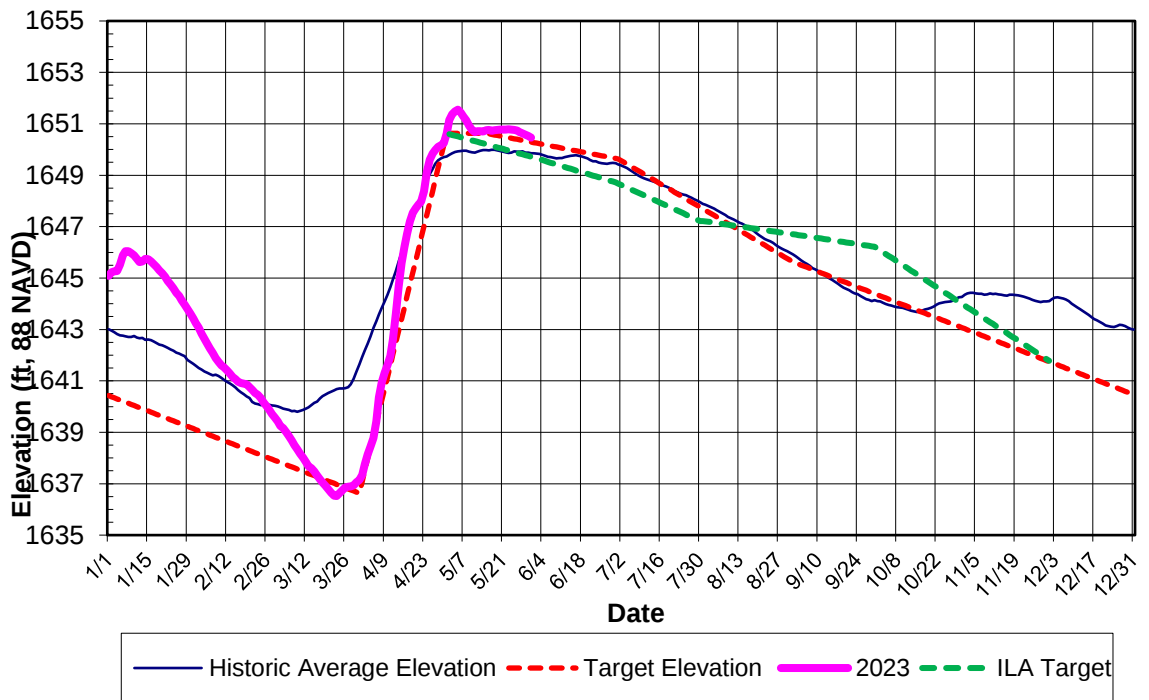
Black River Area Staff Activities

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

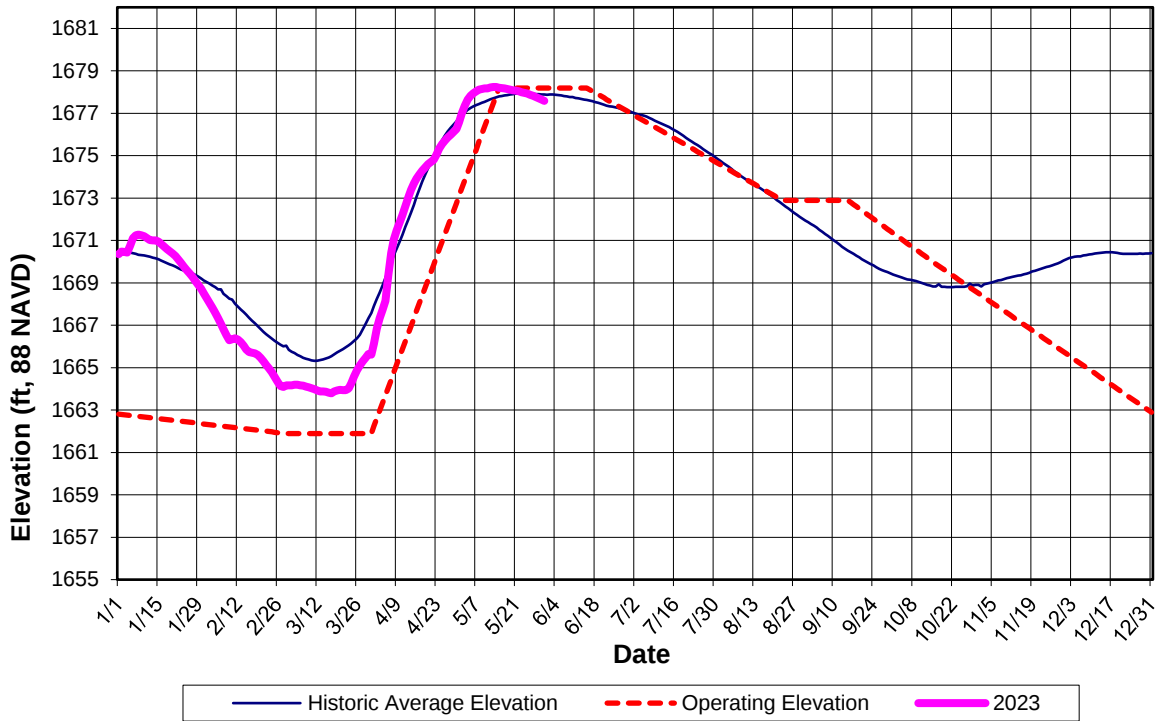
Great Sacandaga Lake 2023 Reservoir Elevation



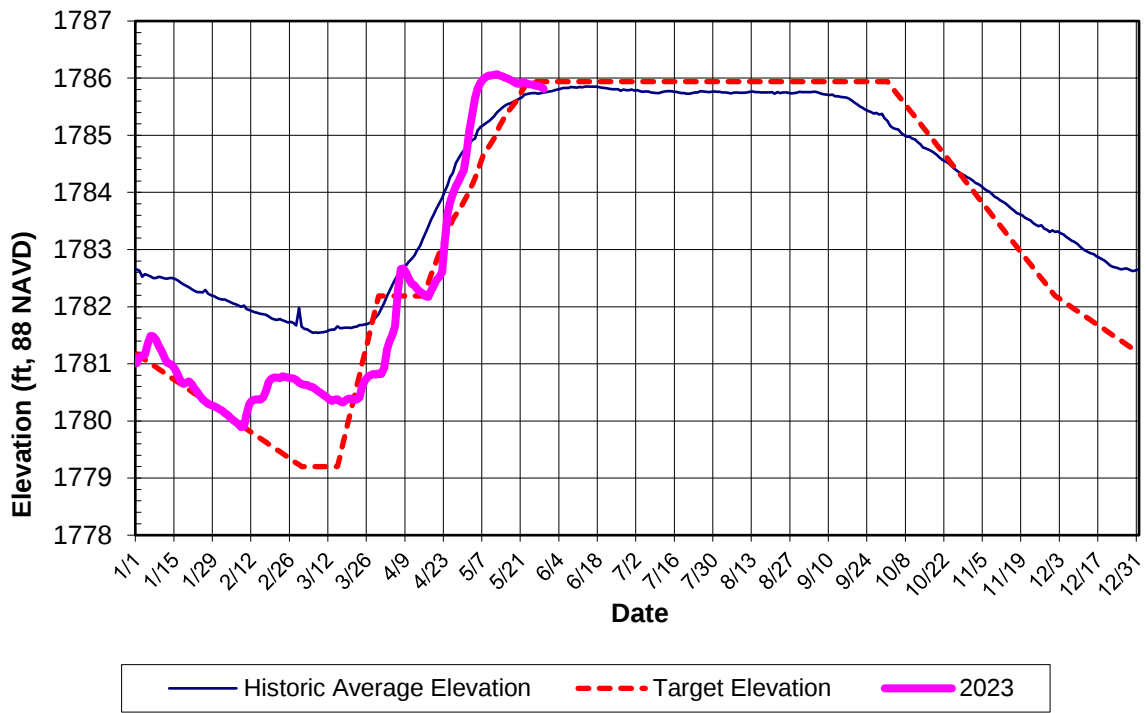
Indian Lake 2023 Reservoir Elevation



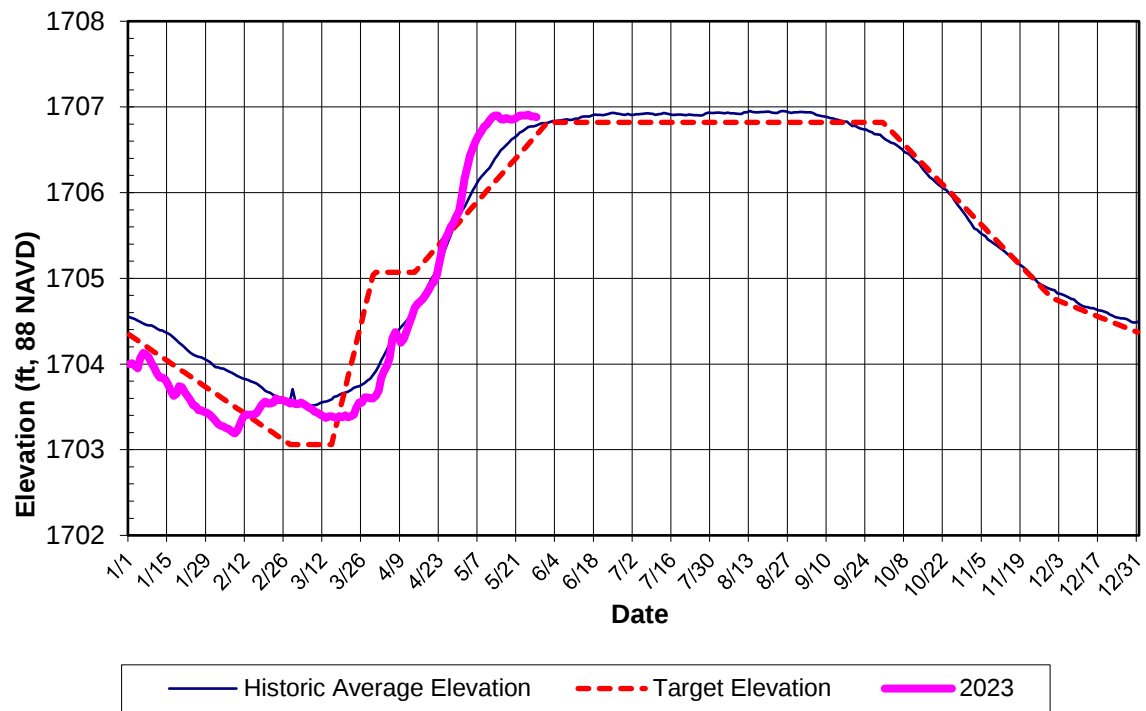
Stillwater Reservoir 2023 Reservoir Elevation



Sixth Lake 2023 Reservoir Elevation



Old Forge 2023 Reservoir Elevation



Hawkinsville Dam Remediation – Construction Progress Update

Construction activities during the month of May included completion of the shoring, excavation at the west of the spillway, and installation of rock dowels and concrete base pads (saddles) for the outlet pipe.

Construction activities planned for June include installation of abutment and spillway concrete.



Installation of the west bank shoring system and excavation.



Installation of rock dowels.



Concrete forms for outlet pipe saddles.



Outlet pipe saddles - cured concrete form removal.

SACANDAGA RESERVOIR ELEVATION CALCULATOR

Datum:
1988 NAVD

Settlement Parameters

Date

5/25/2023

Target Elevation

766.52

Actual "Level"

3.53

"Level 2.5 threshold"

764.56

"Level 1.2 threshold"

756.94

Hudson River Target

Elevation

Level

Maximum Flow (cfs)

8000

9700

Minimum Flow (cfs)

n/a

3060

Min. Rec/Rafting Hours (hrs)

#VALUE!

Rafting Release at Abanakee

North Crk

T, Th, Sa., Su.

Hadley

M, W, F, Su.

BROOKFIELD HYDRO CONTROL CENTER: 877-816-7466

Whitewater

Daily Avg

(hrs)

(cfs)

3

806

4

958

5

1110

6

1263

7

1415

8

1567

* 4000 cfs/hr + base flow 350 cfs

Daily Conditions

Date

5/25/2023

Day of Year

5989

Starting Elevation (ft)

767.08

Average Elevation

767.08

Flow Below Hadley (cfs)

2400

Todays Release

500

Tomorrows Release

500

Justin St.John

518-743-2004 (w)

315-396-8194 (cell)

Jonathan Norris

518-743-2094

Dan McCarty

744-2067

Eric Johnson

863-8791

Piezometers

518-696-5807

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	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.)	Level			Minimum (Table C - Level)	Maximum (Table D - Elev.)	Maximum (Table E - Level)						
5/1/2023	769.12	9600	3730	0	0	3730	7307	3.67	9280	13010	3340	20400	15300	769.55	5/2/2023		769.34	764.12	765.15
5/2/2023	769.55	9600	4120	0	0	4120	7653	3.70	12500	16620	3400	21200	16500	769.95	5/3/2023		769.75	764.22	765.32
5/3/2023	769.95	6300	4330	0	0	4330	7913	3.73	13100	17430	3460	21800	17700	770.09	5/4/2023		770.02	764.32	765.48
5/4/2023	770.09	7500	4450	0	0	4450	8100	3.75	13600	18050	3500	22100	18500	770.31	5/5/2023		770.20	764.42	765.63
5/5/2023	770.31	5400	4430	0	0	4430	8400	3.77	12000	16430	3540	22400	19300	770.38	5/6/2023		770.35	764.52	765.74
5/6/2023	770.38	5000	4080	0	0	4080	8500	3.77	10300	14380	3540	22500	19300	770.44	5/7/2023		770.41	764.62	765.84
5/7/2023	770.44	3500	4100	0	0	4100	8500	3.75	8990	13090	3500	22500	18500	770.39	5/8/2023		770.42	764.72	765.92
5/8/2023	770.39	2800	4230	0	0	4230	8400	3.74	7920	12150	3460	22400	17700	770.28	5/9/2023		770.34	764.82	765.98
5/9/2023	770.28	2200	4290	0	0	4290	8100	3.72	7090	11380	3420	22100	16900	770.12	5/10/2023		770.20	764.92	766.05
5/10/2023	770.12	2300	4290	0	0	4290	7913	3.70	6230	10520	3400	21800	16500	769.97	5/11/2023		770.05	765.02	766.11
5/11/2023	769.97	2100	4300	0	0	4300	7740	3.66	5690	9990	3320	21500	14900	769.80	5/12/2023		769.89	765.12	766.18
5/12/2023	769.80	1400	4260	0	0	4260	7567	3.63	4610	8870	3240	21100	13300	769.58	5/13/2023		769.69	765.22	766.25
5/13/2023	769.58	1100	4280	0	0	4280	7393	3.59	4120	8400	3180	20600	12100	769.34	5/14/2023		769.46	765.32	766.34
5/14/2023	769.34	1600	4330	0	0	4330	7220	3.56	3780	8110	3120	20200	10900	769.13	5/15/2023		769.24	765.42	766.41
5/15/2023	769.13	1300	4310	0	0	4310	6960	3.53	2900	7210	3060	9700	9700	768.90	5/16/2023		769.02	765.52	766.44
5/16/2023	768.90	100	4190	0	0	4190	6787	3.49	2920	7110	2980	9200	8480	768.59	5/17/2023		768.75	765.62	766.46
5/17/2023	768.59	1100	4070	0	0	4070	6527	3.44	2700	6770	2860	8700	8360	768.36	5/18/2023		768.48	765.72	766.47
5/18/2023	768.36	500	4230	0	0	4230	6267	3.38	2400	6630	2760	8100	8260	768.07	5/19/2023		768.22	765.82	766.50
5/19/2023	768.07	700	4180	0	0	4180	6093	3.33	2310	6490	2660	8000	8160	767.80	5/20/2023		767.94	765.92	766.54
5/20/2023	767.80	800	4170	0	0	4170	5833	3.29	2070	6240	2560	8000	8060	767.54	5/21/2023		767.67	766.02	766.59
5/21/2023	767.54	800	4150	0	0	4150	5573	3.24	2120	6270	2480	8000	7980	767.28	5/22/2023		767.41	766.12	766.62
5/22/2023	767.28	800	1950	0	0	1950	5487	3.20	2010	3960	2380	8000	7880	767.19	5/23/2023		767.24	766.22	766.65
5/23/2023	767.19	500	1890	0	0	1890	5400	3.15	1830	3720	2300	8000	7800	767.08	5/24/2023		767.14	766.32	766.65
5/24/2023	767.08	500	500	0	0	500	5353	3.11	1900	2400	2220	8000	7720	767.08	5/25/2023		767.08	766.42	766.66
5/25/2023	767.08	600	500	0	0	500	5353	3.09	1900	2400	2160	8000	7660	767.08	5/26/2023		767.08	766.52	766.68
5/26/2023	767.08	600	500	0	0	500	5353	3.06	1800	2300	2120	8000	7620	767.08	5/27/2023		767.08	766.62	766.68
5/27/2023	767.08	500	1263	0	0	1263	5353	3.04	1750	3013	2060	8000	7560	767.02	5/28/2023		767.05	766.72	766.67
5/28/2023	767.02	500	1263	0	0	1263	5307	3.01	1680	2943	2020	8000	7520	766.96	5/29/2023		766.99	766.82	766.65
5/29/2023	766.96	500	1263	0	0	1263	5307	2.99	1620	2883	1995	8000	7500	766.90	5/30/2023		766.93	766.92	766.63
5/30/2023	766.90	500	500	0	0	500	5260	2.95	1560	2060	1976	8000	7500	766.90	5/31/2023		766.90	767.02	766.63
5/31/2023	766.90	500	958	0	0	958	5260	2.92	1500	2458	1957	8000	7500	766.86	6/1/2023		766.88	767.12	766.62
6/1/2023	766.86	500	958	0	0	958	5260	2.88	1450	2408	1942	8000	7500	766.82	6/2/2023		767.09	766.62	766.62
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:_____

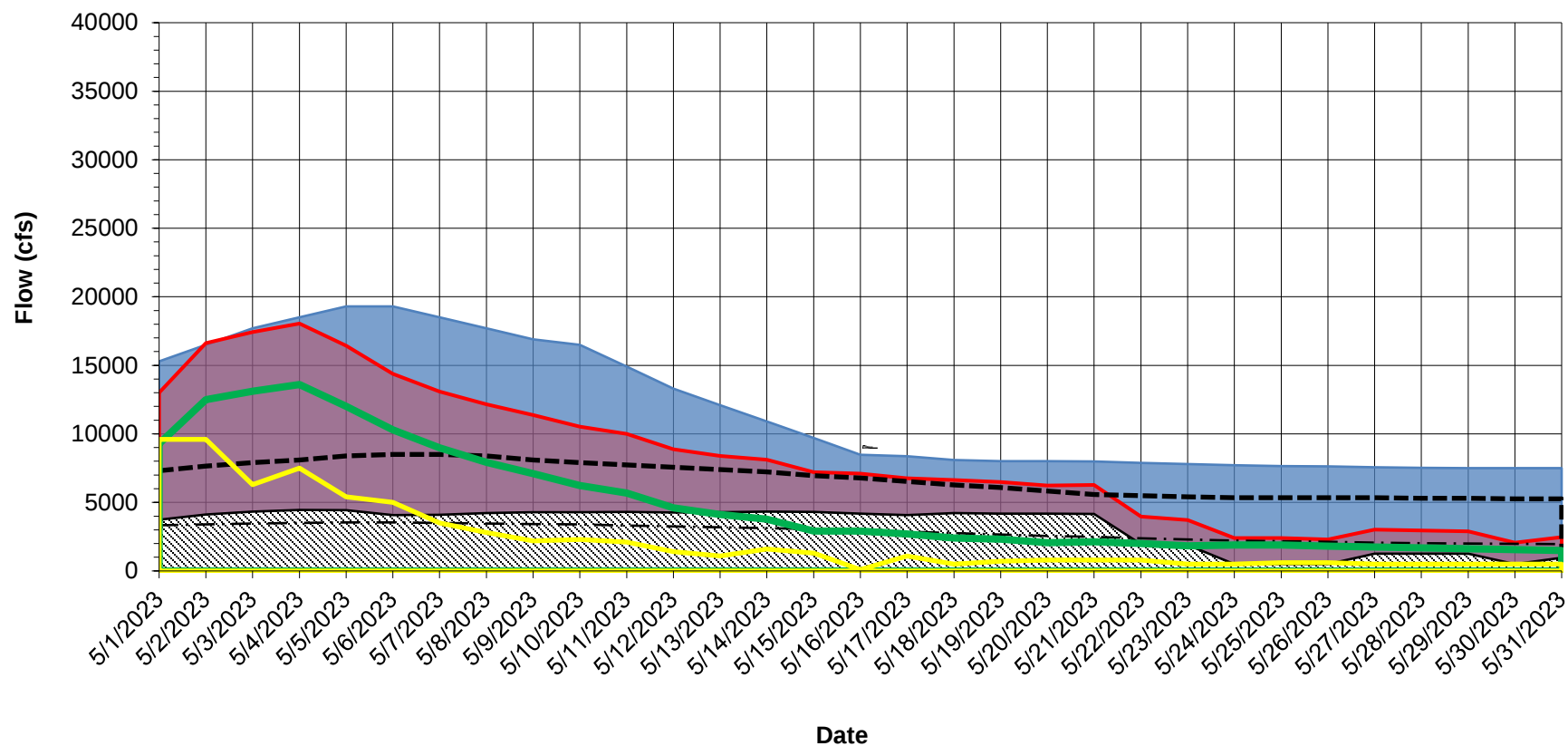
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**GREAT SACANDAGA LAKE
RESERVOIR OPERATION SUMMARY**

Print Date: 5/25/2023
Period of Record: 5/1/2023 to 5/29/2023

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
5/1/2023	769.34	9600	3730	7307	3.67	9280	13010	3340	15300	7133
5/2/2023	769.75	9600	4120	7653	3.70	12500	16620	3400	16500	7480
5/3/2023	770.02	6300	4330	7913	3.73	13100	17430	3460	17700	7827
5/4/2023	770.20	7500	4450	8100	3.75	13600	18050	3500	18500	7913
5/5/2023	770.35	5400	4430	8400	3.77	12000	16430	3540	19300	8300
5/6/2023	770.41	5000	4080	8500	3.77	10300	14380	3540	19300	8500
5/7/2023	770.42	3500	4100	8500	3.75	8990	13090	3500	18500	8600
5/8/2023	770.34	2800	4230	8400	3.74	7920	12150	3460	17700	8500
5/9/2023	770.20	2200	4290	8100	3.72	7090	11380	3420	16900	8300
5/10/2023	770.05	2300	4290	7913	3.70	6230	10520	3400	16500	8000
5/11/2023	769.89	2100	4300	7740	3.66	5690	9990	3320	14900	7827
5/12/2023	769.69	1400	4260	7567	3.63	4610	8870	3240	13300	7653
5/13/2023	769.46	1100	4280	7393	3.59	4120	8400	3180	12100	7480
5/14/2023	769.24	1600	4330	7220	3.56	3780	8110	3120	10900	7307
5/15/2023	769.02	1300	4310	6960	3.53	2900	7210	3060	9700	7133
5/16/2023	768.75	100	4190	6787	3.49	2920	7110	2980	8480	6873
5/17/2023	768.48	1100	4070	6527	3.44	2700	6770	2860	8360	6613
5/18/2023	768.22	500	4230	6267	3.38	2400	6630	2760	8100	6440
5/19/2023	767.94	700	4180	6093	3.33	2310	6490	2660	8000	6180
5/20/2023	767.67	800	4170	5833	3.29	2070	6240	2560	8000	5920
5/21/2023	767.41	800	4150	5573	3.24	2120	6270	2480	7980	5747
5/22/2023	767.24	800	1950	5487	3.20	2010	3960	2380	7880	5487
5/23/2023	767.14	500	1890	5400	3.15	1830	3720	2300	7800	5400
5/24/2023	767.08	500	500	5353	3.11	1900	2400	2220	7720	5353
5/25/2023	767.08	600	500	5353	3.09	1900	2400	2160	7660	5353
5/26/2023	767.08	600	500	5353	3.06	1800	2300	2120	7620	5353
5/27/2023	767.05	500	1263	5353	3.04	1750	3013	2060	7560	5353
5/28/2023	766.99	500	1263	5307	3.01	1680	2943	2020	7520	5353
5/29/2023	766.93	500	1263	5307	2.99	1620	2883	1995	7500	5307
5/30/2023	766.90	500	500	5260	2.95	1560	2060	1976	7500	5260
5/31/2023	766.88	500	958	5260	2.92	1500	2458	1957	7500	5260

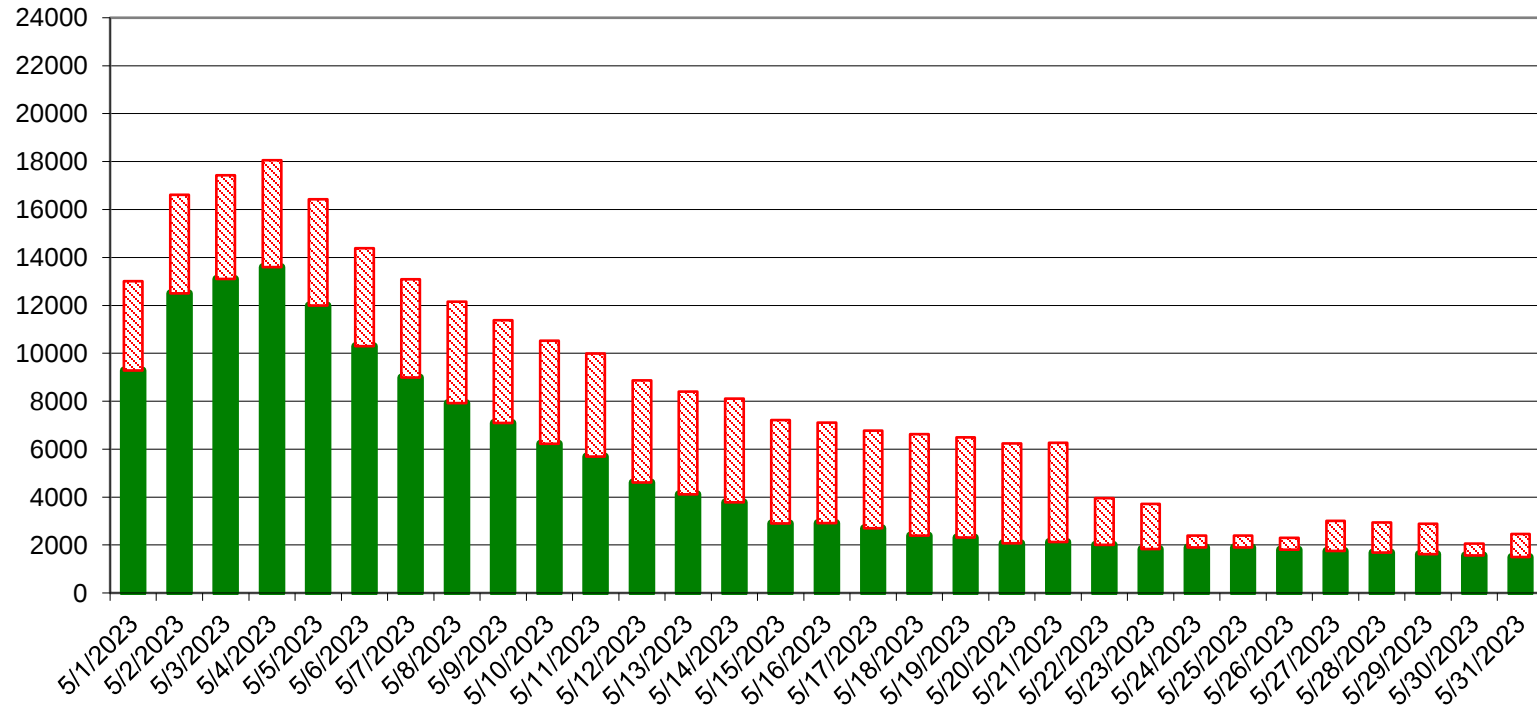
Great Sacandaga Lake Actual and Maximum Allowable Hudson River Flow Below Confluence



- | | |
|--|--------------------------------------|
| ■ Maximum Allowable Hudson River Flow Below Confluence | ■ Hudson River Flow Below Confluence |
| ▬ Maximum Allowable Sacandaga River Flow | ▬ Sacandaga River Flow |
| ⋯ Minimum Allowable Hudson River Flow Below Confluence | ■ Hudson River at Hadley |
| ■ Great Sacandaga Lake Inflow | |

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: April 2023

Day	Sacandaga Reservoir Elevation Average Daily	Sacandaga Reservoir Elevation Midnight	Sacandaga River Near Hope cfs	Reservoir Inflow Hope x 2.0025 cfs	Sacandaga River at Stewarts Bridge cfs	Hudson River at Hadley cfs	Regulated Hudson River below confluence cfs
1	754.41	754.28	2680	5367	3530	3750	7280
2	755.11	754.72	4780	9572	433	6490	6923
3	755.73	755.56	3370	6748	1220	6610	7830
4	756.22	755.98	3740	7489	975	6890	7865
5	756.84	756.53	4290	8591	436	7100	7536
6	758.18	757.27	11100	22228	444	10700	11144
7	759.70	759.06	8650	17322	428	13900	14328
8	760.52	760.16	5950	11915	423	12500	12923
9	761.11	760.85	4170	8350	421	10500	10921
10	761.57	761.26	3670	7349	419	9260	9679
11	762.06	761.80	4080	8170	418	9300	9718
12	762.61	762.32	6710	13437	416	11800	12216
13	763.37	762.97	7810	15640	414	15300	15714
14	764.08	763.69	7460	14939	414	17700	18114
15	764.69	764.39	5720	11454	414	17400	17814
16	765.15	764.94	4280	8571	414	15200	15614
17	765.54	765.35	3530	7069	414	13100	13514
18	765.89	765.61	3150	6308	411	12800	13211
19	766.15	766.00	2570	5146	409	11200	11609
20	766.30	766.21	2140	4285	516	9390	9906
21	766.46	766.38	1730	3464	408	7830	8238
22	766.60	766.50	1600	3204	984	6840	7824
23	767.01	766.60	5280	10573	1040	8120	9160
24	767.90	767.50	5530	11074	418	1200	1618
25	768.45	768.21	3600	7209	414	11100	11514
26	768.81	768.65	2980	5967	414	9260	9674
27	769.03	768.94	2350	4706	1900	7990	9890
28	769.10	769.12	1980	3965	2500	6890	9390
29	769.09	769.11	1740	3484	3040	6200	9240
30	769.06	769.08	1720	3444	3390	5910	9300

AVERAGE	4280	8570	920	9740	10660
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CHANGE IN STORAGE DURING THE MONTH

15.70 B.C.F.

CHIEF ENGINEER

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

Monthly Report for: April, 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	1637.34	1637.20	681	108	327	1430
2	1637.76	1637.53	889	108	560	2910
3	1638.14	1637.98	663	107	740	3100
4	1638.45	1638.30	611	108	735	3110
5	1638.78	1638.60	822	110	715	3060
6	1639.42	1639.00	1677	115	1270	5910
7	1640.35	1639.90	1502	113	2320	8350
8	1640.94	1640.70	955	113	2180	6970
9	1641.31	1641.15	632	113	1620	5240
10	1641.61	1641.43	745	115	1270	4160
11	1641.97	1641.77	969	117	1210	4700
12	1642.62	1642.23	1695	121	1740	7400
13	1643.60	1643.08	2144	122	2600	10200
14	1644.69	1644.14	2189	123	3510	12100
15	1645.58	1645.19	1579	123	3760	11100
16	1646.22	1645.93	1187	124	3150	8950
17	1646.72	1646.47	1129	127	2630	7610
18	1647.20	1646.96	1084	126	2570	7430
19	1647.54	1647.42	522	126	1970	5820
20	1647.71	1647.62	501	126	1410	4140
21	1647.86	1647.79	397	126	1050	3010
22	1647.98	1647.92	438	126	842	2490
23	1648.37	1648.07	1567	136	1060	4170
24	1649.13	1648.75	1626	131	1840	7260
25	1649.61	1649.43	872	131	1830	6160
26	1649.84	1649.76	432	131	1450	4520
27	1649.98	1649.89	501	131	1120	3470
28	1650.10	1650.05	359	174	859	2640
29	1650.17	1650.13	358	196	696	2380
30	1650.25	1650.20	403	195	639	2270

AVERAGE	971	127	1589	5402
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CHANGE IN STORAGE DURING THE MONTH	2.187 B.C.F
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CHIEF ENGINEER

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

Monthly Report for: April 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	1666.13	1665.91	1141	50	1400	537	5740
2	1666.84	1666.48	1313	50	2620	1080	8480
3	1667.34	1667.14	834	50	2010	1070	9350
4	1667.72	1667.55	720	50	1790	739	9920
5	1668.15	1667.90	1428	50	1970	806	10100
6	1669.35	1668.62	2671	50	3570	1710	12700
7	1670.42	1669.99	1904	50	3990	1680	14200
8	1671.04	1670.78	1227	50	2630	1100	16200
9	1671.47	1671.27	1002	50	1950	676	14800
10	1671.84	1671.66	906	50	1610	380	11800
11	1672.20	1672.01	1016	50	1360	386	9570
12	1672.61	1672.39	1205	138	1560	392	8160
13	1673.01	1672.81	1264	200	1740	591	7410
14	1673.39	1673.22	1098	200	1770	562	7210
15	1673.69	1673.56	887	200	1460	433	7180
16	1673.92	1673.82	758	200	1260	442	7120
17	1674.12	1674.03	750	200	1150	433	6720
18	1674.30	1674.23	640	200	1060	606	6270
19	1674.45	1674.39	557	200	1010	446	5820
20	1674.59	1674.52	585	200	889	460	5350
21	1674.70	1674.66	475	200	813	408	4740
22	1674.80	1674.76	530	200	824	365	4110
23	1675.04	1674.88	1073	200	1730	751	4550
24	1675.34	1675.19	943	200	2090	927	5820
25	1675.55	1675.45	743	200	1630	692	6670
26	1675.72	1675.64	657	200	1350	472	7270
27	1675.87	1675.80	572	200	1110	488	6940
28	1675.98	1675.93	547	200	931	524	6090
29	1676.12	1676.05	612	200	958	467	5120
30	1676.26	1676.19	700	200	975	403	4510

AVERAGE			959	143	1640	670	8000
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CHANGE IN STORAGE DURING THE MONTH

2.11 B.C.F.

CHIEF ENGINEER

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

Monthly Report for: April, 2023

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1780.93	1780.82	138	0.50	0.50	37
2	1781.25	1781.11	121	0.50	0.50	38
3	1781.40	1781.35	77	0.50	0.50	39
4	1781.51	1781.46	71	0.50	0.50	39
5	1781.66	1781.55	168	0.50	0.50	40
6	1782.28	1781.91	271	0.50	0.50	40
7	1782.66	1782.56	133	2.00	2.00	86
8	1782.67	1782.69	125	2.00	2.00	147
9	1782.59	1782.63	114	2.00	2.00	146
10	1782.49	1782.54	108	2.00	2.00	144
11	1782.40	1782.44	121	2.00	2.00	143
12	1782.37	1782.38	131	2.00	2.00	142
13	1782.31	1782.35	116	2.00	2.00	142
14	1782.26	1782.28	99	1.00	1.00	107
15	1782.23	1782.26	64	1.00	1.00	86
16	1782.18	1782.20	72	1.00	1.00	86
17	1782.17	1782.16	62	0.08	0.00	38
18	1782.27	1782.23	37	0.08	0.00	3
19	1782.37	1782.32	39	0.08	0.00	3
20	1782.46	1782.42	28	0.08	0.00	3
21	1782.52	1782.49	28	0.08	0.00	3
22	1782.60	1782.56	53	0.08	0.00	3
23	1783.11	1782.70	269	0.08	0.00	3
24	1783.62	1783.44	114	0.08	0.00	3
25	1783.83	1783.75	61	0.08	0.00	3
26	1783.98	1783.91	57	0.08	0.00	3
27	1784.11	1784.06	35	0.08	0.00	3
28	1784.19	1784.15	35	0.08	0.00	3
29	1784.30	1784.24	39	0.08	0.00	3
30	1784.39	1784.34	44	0.08	0.00	3

AVERAGE 51

CHANGE IN STORAGE DURING THE MONTH 0.112 B.C.F

CHIEF ENGINEER

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

Monthly Report for: April, 2023

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1703.69	1703.65	263	1.00	1.00	89
2	1703.84	1703.78	293	1.00	1.00	90
3	1703.92	1703.91	149	1.00	1.00	91
4	1703.98	1703.95	178	1.00	1.00	91
5	1704.07	1704.02	333	1.00	1.00	92
6	1704.30	1704.17	449	1.00	1.00	93
7	1704.37	1704.41	47	4.00	4.00	167
8	1704.32	1704.34	204	4.00	4.00	264
9	1704.25	1704.30	168	4.00	4.00	269
10	1704.29	1704.22	376	1.00	1.00	169
11	1704.37	1704.37	170	1.00	1.00	95
12	1704.47	1704.41	261	1.00	1.00	95
13	1704.56	1704.53	231	1.00	1.00	96
14	1704.65	1704.62	202	1.00	1.00	97
15	1704.70	1704.68	172	1.00	1.00	97
16	1704.73	1704.73	127	1.00	1.00	97
17	1704.76	1704.75	118	0.08	0.00	43
18	1704.81	1704.81	64	0.08	0.00	4
19	1704.86	1704.85	94	0.08	0.00	4
20	1704.92	1704.90	94	0.08	0.00	4
21	1704.96	1704.96	34	0.08	0.00	4
22	1705.03	1704.98	79	0.08	0.00	4
23	1705.19	1705.04	365	0.08	0.00	4
24	1705.35	1705.28	215	0.08	0.00	4
25	1705.45	1705.41	124	0.08	0.00	4
26	1705.52	1705.49	109	0.08	0.00	4
27	1705.60	1705.57	79	0.08	0.00	4
28	1705.64	1705.62	124	0.08	0.00	4
29	1705.72	1705.69	79	0.08	0.00	4
30	1705.78	1705.74	109	0.08	0.00	4

AVERAGE 177 70

CHANGE IN STORAGE DURING THE MONTH 0.279 B.C.F

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
SACANDAGA RESERVOIR OPERATION
FOR WEEK ENDING: May 6, 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 29	769.11	36.55	12 AM - Mid	3,040	6,200	9,240
Sunday 30	769.08	36.52	12 AM - Mid	3,390	5,910	9,300
Monday 1	769.04	36.47	12 AM - Mid	3,730	9,280	13,010
Tuesday 2	769.69	37.23	12 AM - Mid	4,120	12,500	16,620
Wednesday 3	769.96	37.54	12 AM - Mid	4,330	13,100	17,430
Thursday 4	770.05	37.64	12 AM - Mid	4,450	13,600	18,050
Friday 5	770.33	37.97	12 AM - Mid	4,430	12,000	16,430
Saturday 6	770.37	38.02	12 AM - Mid	4,080	10,300	14,380
CHANGE IN STORAGE DURING THE WEEK		1.46	* 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	2023	770.37	38.02	6	2020	766.99	34.13
2	2017	769.59	37.11	7	2018	765.93	32.94
3	2014	768.91	36.32	8	2016	765.39	32.34
4	2022	767.91	35.18	9	2021	764.55	31.42
5	2019	767.57	34.79	10	2015	762.95	29.67

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: May 13, 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 6	770.37	38.02	12 AM - Mid	4,080	10,300	14,380
Sunday 7	770.45	38.11	12 AM - Mid	4,100	8,990	13,090
Monday 8	770.38	38.03	12 AM - Mid	4,230	7,920	12,150
Tuesday 9	770.28	37.91	12 AM - Mid	4,290	7,090	11,380
Wednesday 10	770.12	37.73	12 AM - Mid	4,290	6,230	10,520
Thursday 11	769.97	37.55	12 AM - Mid	4,300	5,690	9,990
Friday 12	769.82	37.38	12 AM - Mid	4,260	4,610	8,870
Saturday 13	769.57	37.09	12 AM - Mid	4,280	4,120	8,400
CHANGE IN STORAGE DURING THE WEEK		-0.93	* 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	2023	769.57	37.09	6	2018	766.65	33.75
2	2019	768.30	35.62	7	2020	766.10	33.13
3	2014	768.26	35.58	8	2016	766.06	33.09
4	2017	768.09	35.38	9	2021	765.56	32.52
5	2022	767.05	34.20	10	2015	763.43	30.19

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: May 20, 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 13	769.57	37.09	12 AM - Mid	4,280	4,120	8,400
Sunday 14	769.33	36.81	12 AM - Mid	4,330	3,780	8,110
Monday 15	769.11	36.55	12 AM - Mid	4,310	3,370	7,680
Tuesday 16	768.93	36.35	12 AM - Mid	4,190	2,920	7,110
Wednesday 17	768.54	35.90	12 AM - Mid	4,070	2,700	6,770
Thursday 18	768.36	35.69	12 AM - Mid	4,230	2,400	6,630
Friday 19	768.07	35.36	12 AM - Mid	4,180	2,310	6,490
Saturday 20	767.80	35.05	12 AM - Mid	4,170	2,070	6,240
CHANGE IN STORAGE DURING THE WEEK		-2.04	* 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	769.74	37.28	6	2016	766.62	33.72
2	2014	769.64	37.17	7	2020	766.53	33.61
3	2023	767.80	35.05	8	2018	766.42	33.49
4	2022	767.70	34.94	9	2021	765.85	32.86
5	2017	766.63	33.73	10	2015	763.84	30.64

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: May 27, 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 20	767.80	35.05	12 AM - Mid	4,170	2,070	6,240
Sunday 21	767.52	34.73	12 AM - Mid	4,150	2,120	6,270
Monday 22	767.26	34.43	12 AM - Mid	1,950	2,010	3,960
Tuesday 23	767.17	34.33	12 AM - Mid	1,890	1,830	3,720
Wednesday 24	767.07	34.22	12 AM - Mid	618	1,830	2,448
Thursday 25	767.03	34.17	12 AM - Mid	650	1,690	2,340
Friday 26	767.05	34.20	12 AM - Mid	646	1,690	2,336
Saturday 27	767.02	34.16	12 AM - Mid	1,280	1,490	2,770
CHANGE IN STORAGE DURING THE WEEK		-0.89	* 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	769.72	37.26	6	2020	766.85	33.97
2	2014	769.68	37.22	7	2018	766.72	33.83
3	2022	767.37	34.56	8	2016	766.65	33.75
4	2017	767.21	34.38	9	2021	765.73	32.72
5	2023	767.02	34.16	10	2015	763.73	30.52

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: May 6, 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 29	1,650.13	3.54	12 AM - Mid	195	696	2,380
Sunday 30	1,650.20	3.55	12 AM - Mid	195	639	2,270
Monday 1	1,650.29	3.57	12 AM - Mid	197	965	5,170
Tuesday 2	1,650.90	3.70	12 AM - Mid	614	1,900	7,780
Wednesday 3	1,651.28	3.78	12 AM - Mid	861	1,960	7,920
Thursday 4	1,651.37	3.79	12 AM - Mid	918	1,700	7,580
Friday 5	1,651.53	3.83	12 AM - Mid	940	1,410	6,330
Saturday 6	1,651.53	3.83	12 AM - Mid	905	1,120	5,070

CHANGE IN STORAGE DURING THE WEEK	0.29	* 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	2023	1,651.53	3.83	6	2021	1,650.48	3.61
2	2019	1,651.02	3.72	7	2022	1,650.17	3.55
3	2017	1,650.90	3.70	8	2016	1,650.10	3.53
4	2018	1,650.75	3.67	9	2020	1,650.07	3.53
5	2014	1,650.57	3.63	10	2015	1,648.65	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: May 13, 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 6	1,651.53	3.83	12 AM - Mid	905	1,120	5,070
Sunday 7	1,651.35	3.79	12 AM - Mid	830	909	4,050
Monday 8	1,651.23	3.77	12 AM - Mid	761	785	3,400
Tuesday 9	1,651.07	3.73	12 AM - Mid	715	685	2,920
Wednesday 10	1,650.80	3.68	12 AM - Mid	696	568	2,440
Thursday 11	1,650.74	3.66	12 AM - Mid	290	476	2,120
Friday 12	1,650.69	3.65	12 AM - Mid	100	442	1,370
Saturday 13	1,650.73	3.66	12 AM - Mid	100	446	1,430

CHANGE IN STORAGE DURING THE WEEK	-0.17	* 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	2023	1,650.73	3.66	6	2021	1,650.04	3.52
2	2019	1,650.65	3.64	7	2014	1,650.04	3.52
3	2017	1,650.46	3.61	8	2020	1,649.89	3.49
4	2022	1,650.12	3.54	9	2015	1,649.35	3.39
5	2016	1,650.05	3.52	10	2018	1,649.31	3.38

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: May 20, 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 13	1,650.73	3.66	12 AM - Mid	100	446	1,430
Sunday 14	1,650.70	3.65	12 AM - Mid	100	409	1,270
Monday 15	1,650.71	3.66	12 AM - Mid	100	344	1,060
Tuesday 16	1,650.78	3.67	12 AM - Mid	100	291	1,070
Wednesday 17	1,650.70	3.65	12 AM - Mid	100	262	847
Thursday 18	1,650.74	3.66	12 AM - Mid	100	239	900
Friday 19	1,650.76	3.67	12 AM - Mid	100	211	720
Saturday 20	1,650.76	3.67	12 AM - Mid	100	194	809

CHANGE IN STORAGE DURING THE WEEK	0.01	* 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	2014	1,650.93	3.70	6	2021	1,650.09	3.53
2	2023	1,650.76	3.67	7	2020	1,650.04	3.52
3	2022	1,650.22	3.56	8	2017	1,649.96	3.51
4	2019	1,650.21	3.56	9	2015	1,649.89	3.49
5	2016	1,650.15	3.54	10	2018	1,648.78	3.28

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: May 27, 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 20	1,650.76	3.67	12 AM - Mid	100	194	809
Sunday 21	1,650.79	3.67	12 AM - Mid	100	218	797
Monday 22	1,650.79	3.67	12 AM - Mid	100	249	741
Tuesday 23	1,650.79	3.67	12 AM - Mid	100	234	852
Wednesday 24	1,650.80	3.68	12 AM - Mid	100	213	679
Thursday 25	1,650.78	3.67	12 AM - Mid	100	201	766
Friday 26	1,650.77	3.67	12 AM - Mid	150	188	599
Saturday 27	1,650.72	3.66	12 AM - Mid	175	171	735

CHANGE IN STORAGE DURING THE WEEK	-0.01	* 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	2023	1,650.72	3.66	6	2019	1,649.89	3.49
2	2014	1,650.50	3.61	7	2020	1,649.87	3.49
3	2017	1,650.06	3.53	8	2015	1,649.79	3.47
4	2021	1,650.05	3.52	9	2022	1,649.72	3.46
5	2016	1,650.03	3.52	10	2018	1,649.10	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
STILLWATER RESERVOIR OPERATION
FOR WEEK ENDING: May 6, 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 29	1,676.05	3.92	12 AM -Mid	200	467	5,120
Sunday 30	1,676.19	3.95	12 AM -Mid	200	403	4,510
Monday 1	1,676.36	4.00	12 AM -Mid	200	852	6,150
Tuesday 2	1,676.82	4.11	12 AM -Mid	200	1,250	8,110
Wednesday 3	1,677.19	4.21	12 AM -Mid	200	1,060	9,050
Thursday 4	1,677.52	4.30	12 AM -Mid	317	891	10,000
Friday 5	1,677.75	4.36	12 AM -Mid	400	891	9,800
Saturday 6	1,677.89	4.39	12 AM -Mid	400	742	8,840
CHANGE IN STORAGE DURING THE WEEK		0.48				

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2017	1,678.97	4.69	6	2016	1,677.75	4.36
2	2014	1,678.38	4.53	7	2019	1,677.20	4.21
3	2018	1,678.30	4.50	8	2021	1,677.13	4.20
4	2022	1,678.22	4.48	9	2020	1,673.44	3.29
5	2023	1,677.89	4.39	10	2015	1,672.40	3.06

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: May 13, 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 6	1,677.89	4.39	12 AM -Mid	400	742	8,840
Sunday 7	1,678.00	4.42	12 AM -Mid	400	653	7,580
Monday 8	1,678.08	4.44	12 AM -Mid	400	716	6,500
Tuesday 9	1,678.15	4.46	12 AM -Mid	400	617	5,500
Wednesday 10	1,678.17	4.47	12 AM -Mid	400	566	4,610
Thursday 11	1,678.17	4.47	12 AM -Mid	342	561	3,710
Friday 12	1,678.20	4.48	12 AM -Mid	300	507	3,330
Saturday 13	1,678.24	4.49	12 AM -Mid	300	450	2,890

CHANGE IN STORAGE DURING THE WEEK	0.09
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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	1,679.30	4.78	6	2021	1,677.93	4.41
2	2014	1,678.58	4.58	7	2018	1,677.84	4.38
3	2019	1,678.32	4.51	8	2016	1,677.77	4.36
4	2023	1,678.24	4.49	9	2020	1,673.84	3.38
5	2022	1,678.06	4.44	10	2015	1,672.68	3.12

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: May 20, 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 13	1,678.24	4.49	12 AM -Mid	300	450	2,890
Sunday 14	1,678.26	4.49	12 AM -Mid	300	420	2,700
Monday 15	1,678.23	4.49	12 AM -Mid	300	339	2,440
Tuesday 16	1,678.21	4.48	12 AM -Mid	300	410	2,260
Wednesday 17	1,678.20	4.48	12 AM -Mid	300	509	2,230
Thursday 18	1,678.16	4.47	12 AM -Mid	300	357	2,170
Friday 19	1,678.14	4.46	12 AM -Mid	300	437	2,030
Saturday 20	1,678.09	4.45	12 AM -Mid	300	357	2,080

CHANGE IN STORAGE DURING THE WEEK	-0.04
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	1,679.02	4.70	6	2023	1,678.09	4.45
2	2014	1,678.94	4.68	7	2016	1,677.76	4.36
3	2017	1,678.82	4.64	8	2018	1,677.26	4.23
4	2022	1,678.29	4.50	9	2020	1,674.50	3.54
5	2021	1,678.23	4.49	10	2015	1,673.06	3.20

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: [May 27, 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 20	1,678.09	4.45	12 AM -Mid	300	357	2,080
Sunday 21	1,678.07	4.44	12 AM -Mid	300	375	1,970
Monday 22	1,678.06	4.44	12 AM -Mid	300	404	1,950
Tuesday 23	1,678.03	4.43	12 AM -Mid	300	448	2,090
Wednesday 24	1,677.98	4.42	12 AM -Mid	300	368	2,020
Thursday 25	1,677.94	4.41	12 AM -Mid	300	326	1,880
Friday 26	1,677.90	4.40	12 AM -Mid	300	399	1,820
Saturday 27	1,677.85	4.38	12 AM -Mid	300	421	1,810

CHANGE IN STORAGE DURING THE WEEK	-0.06
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	1,679.84	4.93	6	2023	1,677.85	4.38
2	2014	1,679.22	4.76	7	2016	1,677.49	4.29
3	2017	1,678.50	4.56	8	2018	1,677.20	4.21
4	2021	1,678.33	4.51	9	2020	1,674.85	3.62
5	2022	1,678.28	4.50	10	2015	1,673.22	3.24

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: May 6, 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 29	1,705.69	0.750	4	1,784.24	0.246	3
Sunday 30	1,705.74	0.756	4	1,784.34	0.249	3
Monday 1	1,705.82	0.766	4	1,784.45	0.253	3
Tuesday 2	1,706.09	0.801	4	1,784.93	0.268	3
Wednesday 3	1,706.22	0.820	4	1,785.21	0.277	3
Thursday 4	1,706.38	0.842	4	1,785.52	0.287	3
Friday 5	1,706.49	0.856	4	1,785.75	0.294	19
Saturday 6	1,706.55	0.863	4	1,785.88	0.298	29
CHANGE IN STORAGE		0.114			0.052	

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	1,706.80	0.897	1	2023	1,785.88	0.298
2	2019	1,706.70	0.885	2	2019	1,785.71	0.293
3	2021	1,706.62	0.873	3	2021	1,785.54	0.287
4	2023	1,706.55	0.863	4	2022	1,785.10	0.273
5	2020	1,705.97	0.786	5	2020	1,783.76	0.231

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: May 13, 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 6	1,706.55	0.863	4	1,785.88	0.298	29
Sunday 7	1,706.63	0.876	4	1,785.95	0.300	30
Monday 8	1,706.69	0.883	4	1,786.01	0.302	30
Tuesday 9	1,706.75	0.892	4	1,786.04	0.303	30
Wednesday 10	1,706.79	0.896	4	1,786.05	0.304	30
Thursday 11	1,706.82	0.900	4	1,786.07	0.304	30
Friday 12	1,706.86	0.905	25	1,786.07	0.304	30
Saturday 13	1,706.90	0.912	42	1,786.08	0.305	30
CHANGE IN STORAGE		0.048			0.006	

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	1,707.07	0.934	1	2023	1,786.08	0.305
2	2023	1,706.90	0.912	2	2019	1,785.94	0.300
3	2022	1,706.86	0.905	3	2021	1,785.86	0.298
4	2021	1,706.80	0.897	4	2022	1,785.28	0.279
5	2020	1,706.17	0.813	5	2020	1,783.94	0.237

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: May 20, 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 13	1,706.90	0.912	42	1,786.08	0.305	30
Sunday 14	1,706.92	0.915	42	1,786.04	0.303	30
Monday 15	1,706.88	0.909	42	1,786.02	0.303	30
Tuesday 16	1,706.87	0.907	42	1,786.00	0.302	30
Wednesday 17	1,706.87	0.907	42	1,786.00	0.302	30
Thursday 18	1,706.87	0.907	42	1,785.96	0.301	30
Friday 19	1,706.87	0.907	42	1,785.93	0.300	29
Saturday 20	1,706.86	0.905	42	1,785.91	0.299	29
CHANGE IN STORAGE		-0.007			-0.005	

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	1,706.99	0.924	1	2019	1,786.15	0.307
2	2023	1,706.86	0.905	2	2021	1,785.92	0.299
3	2021	1,706.84	0.903	3	2023	1,785.91	0.299
4	2019	1,706.82	0.900	4	2022	1,785.71	0.293
5	2020	1,706.46	0.853	5	2020	1,784.20	0.245

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: May 27, 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 20	1,706.86	0.905	42	1,785.91	0.299	29
Sunday 21	1,706.86	0.905	42	1,785.94	0.300	30
Monday 22	1,706.90	0.912	41	1,785.93	0.300	30
Tuesday 23	1,706.91	0.913	41	1,785.92	0.299	30
Wednesday 24	1,706.90	0.912	41	1,785.90	0.299	20
Thursday 25	1,706.90	0.912	41	1,785.88	0.298	15
Friday 26	1,706.89	0.910	36	1,785.87	0.298	15
Saturday 27	1,706.90	0.912	24	1,785.86	0.298	15
CHANGE IN STORAGE		0.007			-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	1,706.98	0.922	1	2021	1,785.92	0.299
2	2023	1,706.90	0.912	2	2022	1,785.91	0.299
3	2021	1,706.85	0.904	3	2023	1,785.86	0.298
4	2022	1,706.81	0.899	4	2019	1,785.85	0.297
5	2020	1,706.60	0.870	5	2020	1,784.31	0.248

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
May 2023**

Activity report for May 2023

SFO

- Performed lawn maintenance of facility.
- Cleaned offices and conference room weekly.
- Performed maintenance on vehicles and equipment.
- Assisted NYSDEC with the workboat in installing the navigational buoys.
- Built and installed a portable toilet and stall on the workboat.
- Assisted in a multi-agency water rescue drill with our workboat.

Indian Lake

- Installed a new floating work platform.

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.
- Continued work on the toe road including removing trees for a turn-a-round.

Respectfully,

Matthew Ginter

Operations Manager

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

- Road maintenance, raked, cleaned culverts, trimming roadsides
- Vehicle/equipment maintenance
- Serviced mowing equipment
- Brush removal at Dam and Spillway
- Continued Snow Surveys
- Conducted inspections on Dam/facility after earthquake
- Finished painting stopgate at dam
- Started mowing at facilities
- Continued spring cleaning
- Started bridge rail project
- Installed septic pump for new system
- Installed booms at OF/SL
- Purchased new tools needed at BRFO
- 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.