

REPORT OF CHIEF ENGINEER
HUDSON RIVER - BLACK RIVER REGULATING DISTRICT
BOARD MEETING
MAY 9, 2023 – LOWVILLE, NEW YORK

HUDSON RIVER AREA - APRIL SUMMARY

Reservoir Operation

Great Sacandaga Lake

The April average daily release from the Sacandaga Reservoir (Great Sacandaga Lake) was approximately 930 cubic feet per second (cfs). The Upper Hudson / Sacandaga River Offer of Settlement target elevation for April 30 is 763.62 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
Mar. 31	754.23	+3.53	+5.11	0	1,980
Apr. 30	769.0 (e)	+4.0 (e)	+5.3 (e)	0	3,500 (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 April average daily release from Indian Lake was approximately 130 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	
Mar. 31	1,637.15	-4.49	+0.07	82
Apr. 30	1,650.3 (e)	+0.6 (e)	0.3 (e)	220 (e)

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

⁽²⁾ "(e)" represents estimated value

HUDSON RIVER AREA - APRIL SUMMARY- continued

River Flow

Hudson River flow, downstream of the confluence with the Sacandaga River, was approximately 11,510 cfs on April 25 and approximately 350 cfs above 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	4,290 (e)	3,570
Sacandaga at Stewarts Bridge	930 (e)	1,240
Indian at Indian Lake Dam	130 (e)	220
Hudson at Hadley (1)	9,740 (e)	8,370

Notes: (1) Above confluence with Sacandaga River

(2) Based on USGS records

(3) "(e)" represents estimated value

Precipitation

Monthly total precipitation measured 80%, 87%, and 102% historic average at Indian Lake, Mayfield, and Conklingville, respectively, as of April 25

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

Station	Monthly Total (inch)	Historic Average (inch)
Indian Lake	2.82	3.55
Mayfield	3.28	3.77
Conklingville	3.82	3.74

HUDSON RIVER AREA - APRIL SUMMARY- continued

Operation Overview

Precipitation during the month of April was below normal across the Great Sacandaga Lake watershed and below average in the Indian Lake watershed. The monthly inflow to Great Sacandaga Lake and Indian Lake reservoir was approximately 103% and 110% of historic average, respectively. Monthly release of water from Great Sacandaga Lake and Indian Lake measured 78% and 37% of historic average, respectively.

Great Sacandaga Lake Operation

Great Sacandaga Lake operation summary report for the period April 1, 2023 through April 25, 2023 is attached. This report includes projected and forecast values for dates after April 26, 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 – APRIL SUMMARY

Reservoir Operations

Stillwater Reservoir

The April average daily release from Stillwater Reservoir was approximately 250 cfs. The maximum discharge for the month was 250 cfs.

Table 1.0 - *Stillwater Reservoir Elevation and Release*

Date	Daily Average Elevation (ft, NAVD)	Deviation from Average Elevation (ft) (1)	Release (cfs)
Mar. 31	1,665.61	-2.57	50
Apr. 30	1,676.0 (e)	-1.1 (e)	200 (e)

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

(2) "(e)" represents estimated value

Sixth Lake Reservoir

The April average daily release from Sixth Lake Reservoir was approximately 40 cfs.

Table 2.0 - *Sixth Lake Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
Mar. 31	1,780.82	-1.25	37
Apr. 30	1,784.4 (e)	-0.3 (e)	3 (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 April average daily release from Old Forge Reservoir was approximately 90 cfs.

Table 3.0 - *Old Forge Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
Mar. 31	1,703.63	-0.08	87
Apr. 30	1,705.7 (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 - APRIL SUMMARY - continued

River Flow

The average daily Black River flow, as measured at the Watertown gauge, was approximately 6,670 cfs on April 25.

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

River	Monthly Average Flow (cfs)	Historic Average Flow ⁽¹⁾ (cfs)
Moose at McKeever	2,559 (e)	2,185
Beaver at Croghan	690 (e)	833
Black at Watertown	7,860 (e)	9,920

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

Precipitation

Monthly total precipitation measured 111%, 83%, 111% of historic average at Stillwater, Old Forge, and Sixth Lake, respectively, as of April 25.

Table 5.0 - *Black River Basin Precipitation - as of April 25*

Station	Monthly Total (inch)	Historic Average (inch)
Stillwater	4.21	3.80
Old Forge	3.23	3.90
Sixth Lake	3.94	3.55

BLACK RIVER AREA - APRIL SUMMARY - continued

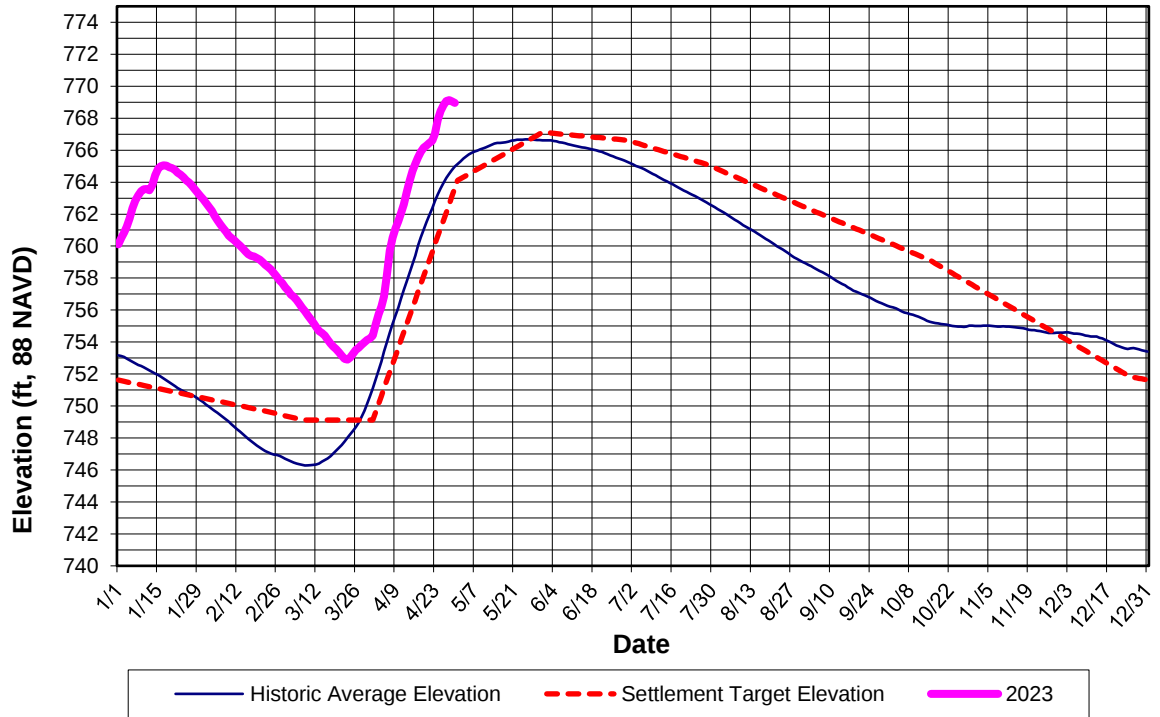
Operation Overview

Precipitation in the month of April was above average at Stillwater and Sixth Lake, and below average at Old Forge. The monthly inflow to Stillwater Reservoir was approximately 100% of historic average. The inflow to Sixth Lake and Old Forge Reservoir totaled 0.24 and 0.44 billion cubic feet, respectively, in April. Release of water from Stillwater Reservoir averaged 41% of historic discharge.

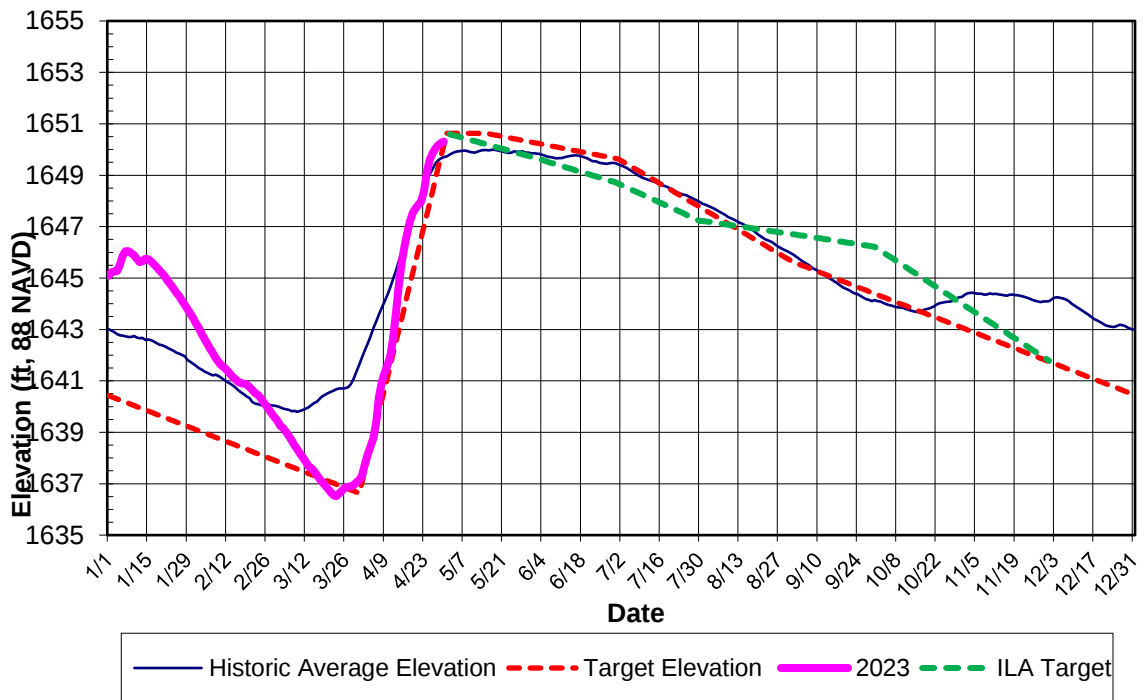
Black River Area Staff Activities

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

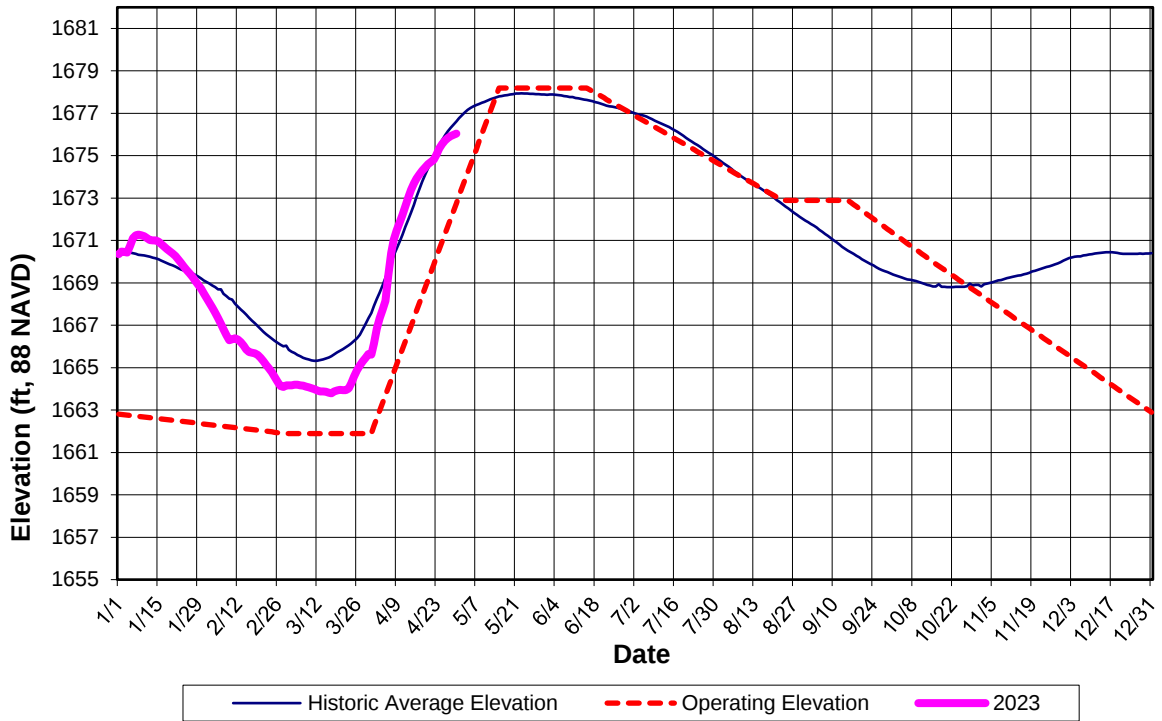
Great Sacandaga Lake 2023 Reservoir Elevation



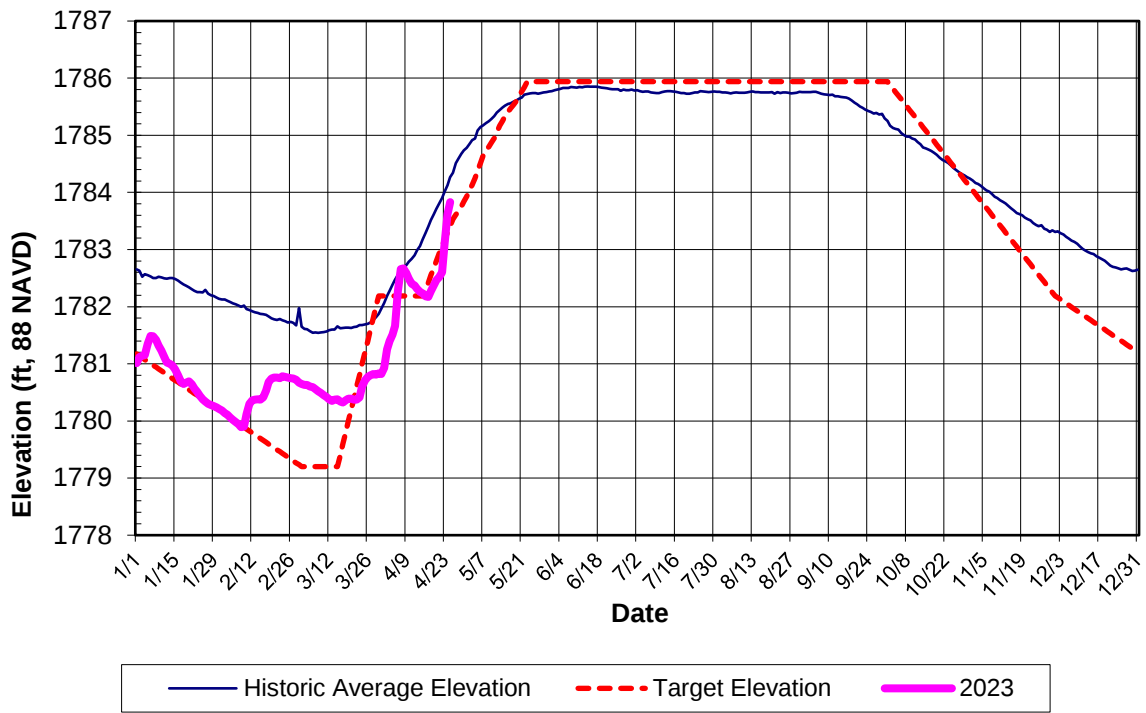
Indian Lake 2023 Reservoir Elevation



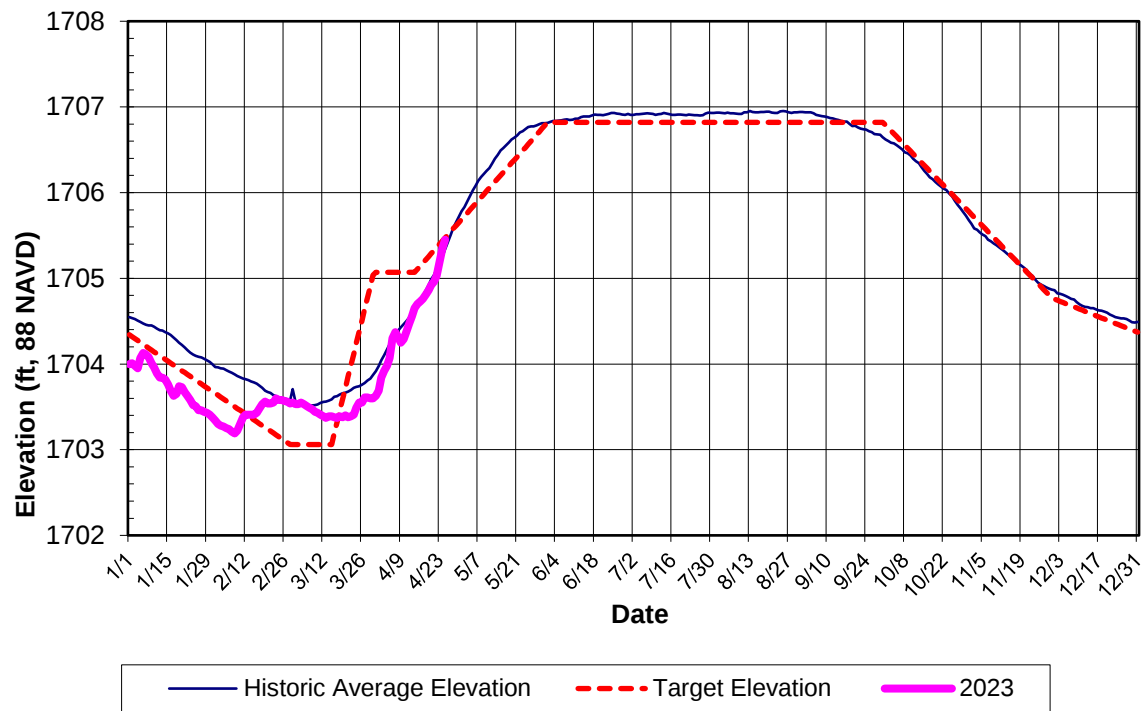
Stillwater Reservoir 2023 Reservoir Elevation



Sixth Lake 2023 Reservoir Elevation



Old Forge 2023 Reservoir Elevation



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

Activity report for March & April 2023

SFO

- Performed snow removal and maintenance of facility.
- Cleaned offices and conference room weekly.
- Performed maintenance on vehicles and equipment.
- Repaired a crack on the backhoe boom and installed new parts.
- Repaired the hydraulic cylinder on the vehicle lift.
- Cleaned and rearranged the office to accommodate the Foreman and Asst. Foreman.
- Installed new ceiling tiles in the breakroom and bathrooms.
- Removed and repaired the outdrive on the workboat.
- Removed and repaired the hydraulic steering components on the workboat.
- Installed 13 new dock sections and 2 new anchors.
- Built a new work float for Indian Lake Dam.

Indian Lake

- No activity to report

Conklingville Dam

- Read and reported piezometer data including spillway and toe observations daily.
- Performed snow removal and maintenance of facility.
- Performed maintenance on vehicles and equipment.
- Performed a monthly Dow valve test.
- Performed snow surveys.
- Fulton County Electric repaired the electrical panel on valve ##3.
- Started the final phase of the toe road.

Respectfully,

Matthew Ginter

Operations Manager

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

- Road maintenance, snow removal
- Vehicle/equipment maintenance
- Snow removal at facilities
- Painted window trim on BRFO office
- Continued Snow Surveys
- New Flood Warning float switch installation
- Continued cleaning/maintenance on stopgate
- Removed snow equipment/stored equipment
- Started spring cleaning
- Visited Hawkinsville Dam project
- Cleaned, repaired, and stained OF/SL booms
- Worked on lumber bids for barn renovations
- Worked on pricing for railings at Spillway bridge
- 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.

Hawkinsville Dam Remediation – Construction Progress Update

Construction activities during the month of April included installation of steel piles for the west bank shoring system and maintaining project cofferdams and environmental protection structures.

Construction activities planned for May include excavation of the west bank, and installation of steel dowel anchors and spillway concrete.



Rock drilling and installation of steel piles for west bank shoring system



Steel pile in casing prepared for concrete placement



Additional pile construction



Installed piles for shoring system

SACANDAGA RESERVOIR ELEVATION CALCULATOR

Datum:

1988 NAVD

Settlement Parameters

Date	4/26/2023
Target Elevation	761.62
Actual "Level"	3.52
"Level 2.5 threshold"	
"Level 1.2 threshold"	753.59
Hudson River Target	Elevation Level
Maximum Flow (cfs)	9000 8900
Minimum Flow (cfs)	n/a 3020
Min. Rec/Rafting Hours (hrs)	#VALUE!

Rafting Release at Abanakee
North Crk T, Th, Sa., Su.

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	4/26/2023
Day of Year	5960
Starting Elevation (ft)	768.64
Average Elevation	768.82
Flow Below Hadley (cfs)	9550
Todays Release	350
Tomorrows Release	1800

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

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

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

Starting Date 12:00 AM	Starting Elevation	Net Average Inflow	E.J. West	Sacandaga River Flow		Settlement Level	Hudson at Hadley	Hudson River Below Confluence	Hudson River Target Flow			Ending Elevation	Ending Date 12:00 AM	Fl Ed Flag	Daily Average Elevation	Settlement Target Elevation	Historic Daily Average Elev.
				Valves	Spillway Average Release	Maximum (Table F - Elev.)			Minimum (Table C - Level)	Maximum (Table D - Elev.)	Maximum (Table E - Level)						
4/1/2023	754.27	8600	3510	0	0	3510	4000	3.24	2480	8000	7980	754.72	4/2/2023		754.50	749.12	751.21
4/2/2023	754.72	9500	425	0	0	425	4000	3.25	2500	8000	8000	755.51	4/3/2023		755.12	749.62	751.77
4/3/2023	755.51	6800	1200	0	0	1200	4000	3.25	2500	8000	8000	755.99	4/4/2023		755.75	750.12	752.33
4/4/2023	755.99	7000	962	0	0	962	4000	3.26	2520	8000	8020	756.51	4/5/2023		756.25	750.62	752.89
4/5/2023	756.51	8900	427	0	0	427	4000	3.28	2560	8000	8060	757.24	4/6/2023		756.88	751.12	753.50
4/6/2023	757.24	22000	434	0	0	434	4000	3.32	2640	8000	8140	759.06	4/7/2023		758.15	751.62	754.09
4/7/2023	759.06	13600	419	0	0	419	4000	3.38	2760	8000	8260	760.15	4/8/2023		759.61	752.12	754.69
4/8/2023	760.15	9000	414	0	0	414	4000	3.40	2800	8000	8300	760.85	4/9/2023		760.50	752.62	755.24
4/9/2023	760.85	5500	412	0	0	412	4000	3.41	2800	8000	8300	761.26	4/10/2023		761.06	753.12	755.75
4/10/2023	761.26	7200	409	0	0	409	4000	3.41	2820	8000	8320	761.80	4/11/2023		761.53	753.62	756.26
4/11/2023	761.80	6900	418	0	0	418	4000	3.43	2860	8000	8360	762.32	4/12/2023		762.06	754.12	756.80
4/12/2023	762.32	9200	416	0	0	416	4000	3.46	2920	8000	8420	763.02	4/13/2023		762.67	754.62	757.34
4/13/2023	763.02	8900	414	0	0	414	4000	3.48	2960	8000	8460	763.69	4/14/2023		763.36	755.12	757.87
4/14/2023	763.69	9300	414	0	0	414	4000	3.50	2980	8000	8480	764.39	4/15/2023		764.04	755.62	758.40
4/15/2023	764.39	7600	414	0	0	414	4233	3.52	3020	8000	8900	764.95	4/16/2023		764.67	756.12	758.94
4/16/2023	764.95	5700	414	0	0	414	4467	3.55	3100	8000	10500	765.36	4/17/2023		765.16	756.62	759.49
4/17/2023	765.36	5300	414	0	0	414	4653	3.57	3140	8000	11300	765.74	4/18/2023		765.55	757.12	760.07
4/18/2023	765.74	3800	411	0	0	411	4793	3.57	3140	8000	11300	766.00	4/19/2023		765.87	757.62	760.61
4/19/2023	766.00	3300	409	0	0	409	4887	3.57	3140	8000	11300	766.22	4/20/2023		766.11	758.12	761.08
4/20/2023	766.22	2600	516	0	0	516	4980	3.57	3140	8000	11300	766.38	4/21/2023		766.30	758.62	761.56
4/21/2023	766.38	2300	408	0	0	408	5073	3.56	3120	8000	10900	766.52	4/22/2023		766.45	759.12	762.00
4/22/2023	766.52	3200	984	0	0	984	5120	3.58	3160	8000	11700	766.69	4/23/2023		766.61	759.62	762.42
4/23/2023	766.69	12500	1040	0	0	1040	5400	3.59	3180	8000	12100	767.56	4/24/2023		767.13	760.12	762.85
4/24/2023	767.56	8800	418	0	0	418	6007	3.63	3260	8000	13700	768.19	4/25/2023		767.88	760.62	763.25
4/25/2023	768.19	6500	414	0	0	414	6440	3.66	3320	8500	14900	768.64	4/26/2023		768.42	761.12	763.63
4/26/2023	768.64	5200	350	0	0	350	6787	3.69	3380	9300	16100	769.00	4/27/2023		768.82	761.62	763.98
4/27/2023	769.00	3900	1800	0	0	1800	7047	3.69	3380	9900	16100	769.15	4/28/2023		769.08	762.12	764.28
4/28/2023	769.15	2400	3000	0	0	3000	7133	3.69	3380	20000	16100	769.10	4/29/2023		769.13	762.62	764.54
4/29/2023	769.10	2000	3000	0	0	3000	7047	3.69	3380	9800	16100	769.02	4/30/2023		769.06	763.12	764.78
4/30/2023	769.02	1700	3500	0	0	3500	6960	3.67	3320	9600	14900	768.88	5/1/2023		768.95	763.62	764.99
5/1/2023	768.88	1500	4000	0	0	4000	6787	3.64	3280	9300	14100	768.69	5/2/2023		768.79	764.12	765.15
5/2/2023	768.69	1300	3000	0	0	3000	6700	3.62	3240	8800	13300	768.56	5/3/2023		768.79	764.32	765.32
6/6/2020	767.29	1000	4000	0	0	4000	5487	3.00	2000	8000	7500	777.12	3/15/2019		#N/A	#N/A	#N/A

Signature:_____

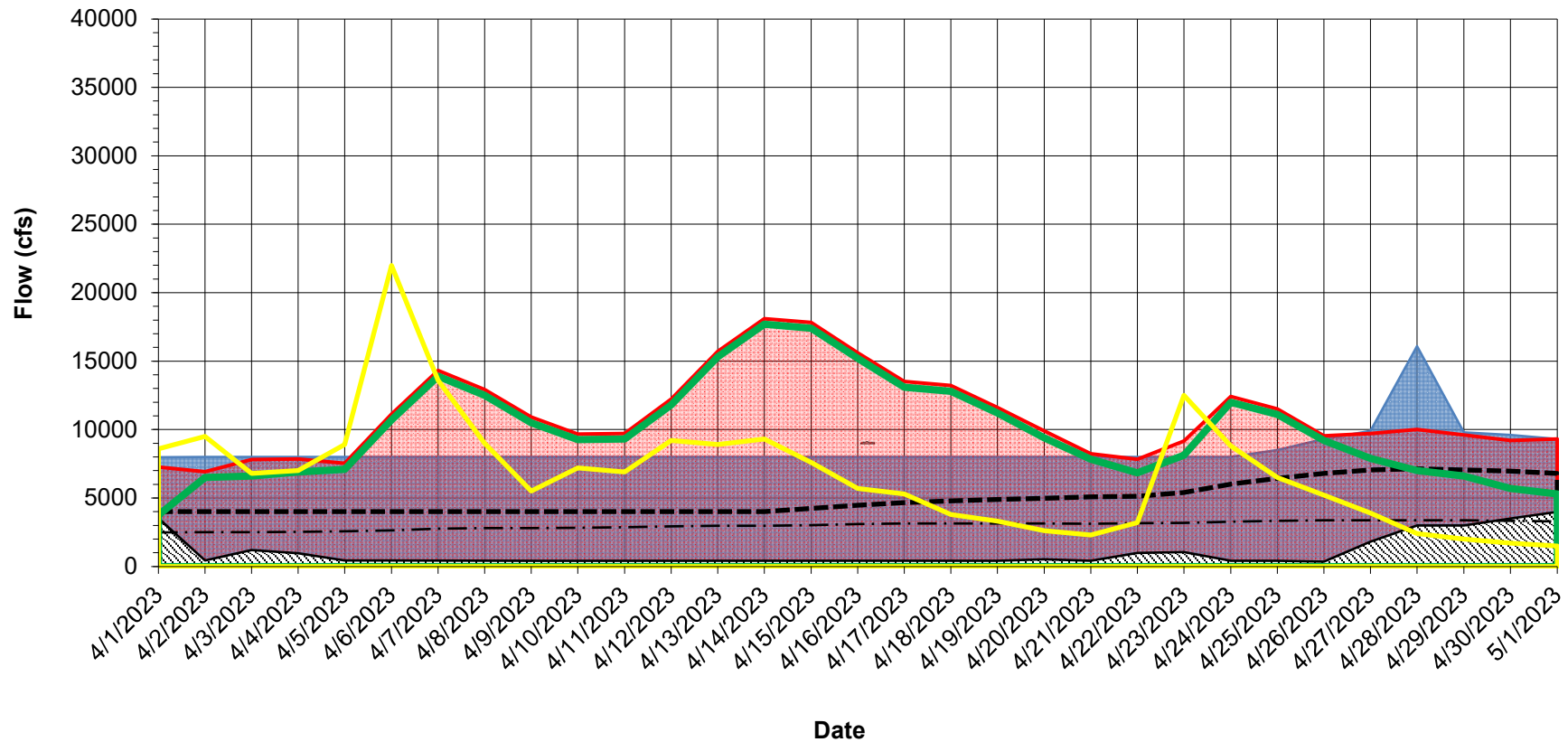
Date:_____

**GREAT SACANDAGA LAKE
RESERVOIR OPERATION SUMMARY**

Print Date: 4/26/2023
Period of Record: 4/1/2023 to 4/29/2023

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)	
4/1/2023	754.50	8600	3510	4000	3.24	3750	7260	2480	7980	4000
4/2/2023	755.12	9500	425	4000	3.25	6490	6915	2500	8000	4000
4/3/2023	755.75	6800	1200	4000	3.25	6610	7810	2500	8000	4000
4/4/2023	756.25	7000	962	4000	3.26	6890	7852	2520	8000	4000
4/5/2023	756.88	8900	427	4000	3.28	7100	7527	2560	8000	4000
4/6/2023	758.15	22000	434	4000	3.32	10700	11134	2640	8000	4000
4/7/2023	759.61	13600	419	4000	3.38	13900	14319	2760	8000	4000
4/8/2023	760.50	9000	414	4000	3.40	12500	12914	2800	8000	4000
4/9/2023	761.06	5500	412	4000	3.41	10500	10912	2800	8000	4000
4/10/2023	761.53	7200	409	4000	3.41	9260	9669	2820	8000	4000
4/11/2023	762.06	6900	418	4000	3.43	9300	9718	2860	8000	4000
4/12/2023	762.67	9200	416	4000	3.46	11800	12216	2920	8000	4000
4/13/2023	763.36	8900	414	4000	3.48	15300	15714	2960	8000	4000
4/14/2023	764.04	9300	414	4000	3.50	17700	18114	2980	8000	4000
4/15/2023	764.67	7600	414	4233	3.52	17400	17814	3020	8000	4093
4/16/2023	765.16	5700	414	4467	3.55	15200	15614	3100	8000	4373
4/17/2023	765.55	5300	414	4653	3.57	13100	13514	3140	8000	4560
4/18/2023	765.87	3800	411	4793	3.57	12800	13211	3140	8000	4747
4/19/2023	766.11	3300	409	4887	3.57	11200	11609	3140	8000	4840
4/20/2023	766.30	2600	516	4980	3.57	9390	9906	3140	8000	4980
4/21/2023	766.45	2300	408	5073	3.56	7830	8238	3120	8000	5027
4/22/2023	766.61	3200	984	5120	3.58	6840	7824	3160	8000	5120
4/23/2023	767.13	12500	1040	5400	3.59	8120	9160	3180	8000	5167
4/24/2023	767.88	8800	418	6007	3.63	12000	12418	3260	8000	5747
4/25/2023	768.42	6500	414	6440	3.66	11100	11514	3320	8500	6267
4/26/2023	768.82	5200	350	6787	3.69	9200	9550	3380	9300	6700
4/27/2023	769.08	3900	1800	7047	3.69	7900	9700	3380	9900	6960
4/28/2023	769.13	2400	3000	7133	3.69	7000	10000	3380	16100	7133
4/29/2023	769.06	2000	3000	7047	3.69	6600	9600	3380	9800	7047
4/30/2023	768.95	1700	3500	6960	3.67	5700	9200	3320	9600	7047
5/1/2023	768.79	1500	4000	6787	3.64	5300	9300	3280	9300	6873

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

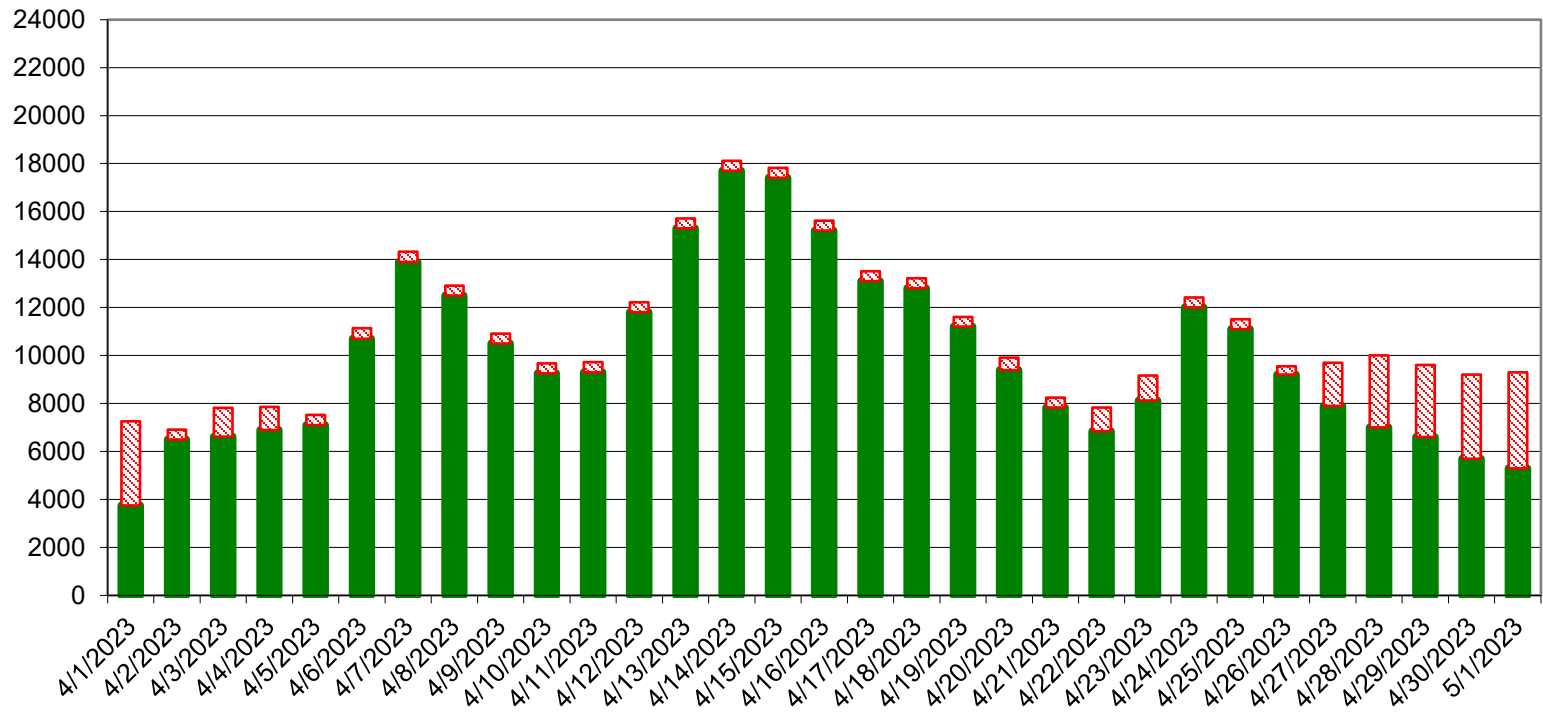


■ Maximum Allowable Hudson River Flow Below Confluence
 - - - Maximum Allowable Sacandaga River Flow
 - - - Minimum Allowable Hudson River Flow Below Confluence
 ■ Great Sacandaga Lake Inflow

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

Great Sacandaga Lake GSL Release and Natural Hudson River Flow

Total Flow Below Confluence (cfs)



Date

▨ GSL Release

■ Natural Hudson River Flow

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

Monthly Report for: March 2023

Day	Sacandaga Reservoir Elevation Average Daily	Sacandaga Reservoir Elevation Midnight	Sacandaga River Near Hope cfs	Reservoir Inflow Hope x 2.2688 cfs	Sacandaga River at Stewarts Bridge cfs	Hudson River at Hadley cfs	Regulated Hudson River below confluence cfs
1	757.42	757.54	497	1128	3940	2580	6520
2	757.22	757.31	459	1041	3910	2620	6530
3	756.97	757.07	402	912	3900	2660	6560
4	756.83	756.93	424	962	3900	2380	6280
5	756.63	756.73	533	1209	3890	2580	6470
6	756.40	756.50	541	1227	3890	2560	6450
7	756.15	756.25	515	1168	3890	2330	6220
8	755.92	756.04	487	1105	3640	2210	5850
9	755.67	755.78	457	1037	3860	2160	6020
10	755.42	755.56	442	1003	3720	2110	5830
11	755.18	755.31	448	1016	3790	2090	5880
12	754.94	755.06	427	969	3830	2040	5870
13	754.68	754.82	434	985	3830	2030	5860
14	754.56	754.58	452	1025	3630	2160	5790
15	754.40	754.50	498	1130	3730	2220	5950
16	754.15	754.28	465	1055	3730	2210	5940
17	753.91	754.06	502	1139	3820	2180	6000
18	753.73	753.80	781	1772	3890	2170	6060
19	753.56	753.66	790	1792	3710	2230	5940
20	753.37	753.44	731	1658	3760	2230	5990
21	753.14	753.26	686	1556	3860	2230	6090
22	752.95	753.01	772	1752	3570	2320	5890
23	752.90	752.93	1180	2677	3170	2550	5720
24	753.03	752.98	2160	4901	2050	3440	5490
25	753.26	753.08	1970	4470	2040	3980	6020
26	753.50	753.37	1750	3970	2020	3990	6010
27	753.65	753.60	1560	3539	2040	3880	5920
28	753.82	753.75	1430	3244	2020	3770	5790
29	753.98	753.89	1430	3244	1950	3790	5740
30	754.13	754.09	1520	3449	1990	3820	5810
31	754.23	754.16	1290	2927	1980	3490	5470

AVERAGE	840	1910	3320	2680	6000
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CHANGE IN STORAGE DURING THE MONTH

-3.23 B.C.F.

CHIEF ENGINEER

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

Monthly Report for: March, 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	1639.57	1639.64	169	447	210	1093
2	1639.42	1639.48	201	444	202	1087
3	1639.25	1639.34	216	442	192	1080
4	1639.16	1639.21	214	440	194	1073
5	1639.01	1639.08	211	437	191	1067
6	1638.85	1638.95	69	434	186	1060
7	1638.68	1638.74	206	432	175	1053
8	1638.50	1638.62	100	430	170	1047
9	1638.34	1638.42	114	427	163	1040
10	1638.17	1638.24	164	424	154	1020
11	1638.01	1638.09	162	422	156	1020
12	1637.84	1637.94	90	420	148	1010
13	1637.68	1637.75	157	417	150	1000
14	1637.60	1637.61	347	416	159	1040
15	1637.48	1637.56	186	412	163	1080
16	1637.32	1637.43	80	410	163	1090
17	1637.17	1637.24	113	408	164	1030
18	1637.04	1637.07	233	407	176	1030
19	1636.92	1636.97	198	406	192	1140
20	1636.78	1636.86	196	404	202	1160
21	1636.64	1636.73	124	402	196	1130
22	1636.53	1636.57	195	299	197	1130
23	1636.52	1636.51	354	250	215	1160
24	1636.63	1636.57	459	251	282	1610
25	1636.75	1636.69	511	251	365	1910
26	1636.86	1636.84	253	253	395	1900
27	1636.88	1636.85	357	253	367	1710
28	1636.90	1636.90	235	252	355	1600
29	1636.93	1636.89	236	132	322	1500
30	1637.06	1636.95	316	73	316	1360
31	1637.15	1637.10	273	82	294	1190

AVERAGE	217	354	220	1207
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CHANGE IN STORAGE DURING THE MONTH	-0.366 B.C.F
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CHIEF ENGINEER

Monthly Report for: March 2023

CHANGE IN STORAGE DURING THE MONTH

0.29 B.C.F.

CHIEF ENGINEER

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

Monthly Report for: March, 2023

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1780.67	1780.68	26	0.50	0.50	36
2	1780.65	1780.65	36	0.50	0.50	36
3	1780.63	1780.65	36	0.50	0.50	36
4	1780.63	1780.65	29	0.50	0.50	36
5	1780.60	1780.63	29	0.50	0.50	36
6	1780.59	1780.61	22	0.50	0.50	36
7	1780.56	1780.57	25	0.50	0.50	35
8	1780.52	1780.54	25	0.50	0.50	35
9	1780.49	1780.51	21	0.50	0.50	35
10	1780.45	1780.47	21	0.50	0.50	35
11	1780.42	1780.43	25	0.50	0.50	35
12	1780.38	1780.40	21	0.50	0.50	35
13	1780.35	1780.36	25	0.50	0.50	35
14	1780.37	1780.33	52	0.50	0.50	35
15	1780.38	1780.38	28	0.50	0.50	35
16	1780.34	1780.36	21	0.50	0.50	35
17	1780.32	1780.32	42	0.50	0.50	35
18	1780.36	1780.34	49	0.50	0.50	35
19	1780.39	1780.38	42	0.50	0.50	35
20	1780.39	1780.40	28	0.50	0.50	35
21	1780.37	1780.38	32	0.50	0.50	35
22	1780.37	1780.37	35	0.50	0.50	35
23	1780.41	1780.37	80	0.50	0.50	35
24	1780.60	1780.50	95	0.50	0.50	36
25	1780.71	1780.67	53	0.50	0.50	36
26	1780.77	1780.72	60	0.50	0.50	36
27	1780.80	1780.79	46	0.50	0.50	36
28	1780.82	1780.82	37	0.50	0.50	37
29	1780.81	1780.82	37	0.50	0.50	37
30	1780.83	1780.82	40	0.50	0.50	37
31	1780.82	1780.83	34	0.50	0.50	37

AVERAGE	37	36
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CHANGE IN STORAGE DURING THE MONTH	0.004 B.C.F
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CHIEF ENGINEER

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

Monthly Report for: March, 2023

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1703.55	1703.54	101	1.00	1.00	87
2	1703.53	1703.55	44	1.00	1.00	87
3	1703.53	1703.52	159	1.00	1.00	87
4	1703.55	1703.57	87	1.00	1.00	87
5	1703.53	1703.57	44	1.00	1.00	87
6	1703.51	1703.54	43	1.00	1.00	86
7	1703.49	1703.50	57	1.00	1.00	86
8	1703.47	1703.48	43	1.00	1.00	86
9	1703.44	1703.45	72	1.00	1.00	86
10	1703.43	1703.44	72	1.00	1.00	86
11	1703.41	1703.43	42	1.00	1.00	85
12	1703.39	1703.40	71	1.00	1.00	85
13	1703.37	1703.39	27	1.00	1.00	85
14	1703.39	1703.36	157	1.00	1.00	85
15	1703.39	1703.40	71	1.00	1.00	85
16	1703.38	1703.39	71	1.00	1.00	85
17	1703.37	1703.38	27	1.00	1.00	85
18	1703.39	1703.35	157	1.00	1.00	85
19	1703.38	1703.39	99	1.00	1.00	85
20	1703.40	1703.40	85	1.00	1.00	85
21	1703.38	1703.40	71	1.00	1.00	85
22	1703.39	1703.39	85	1.00	1.00	85
23	1703.41	1703.39	158	1.00	1.00	86
24	1703.49	1703.44	187	1.00	1.00	86
25	1703.55	1703.52	130	1.00	1.00	87
26	1703.55	1703.55	159	1.00	1.00	87
27	1703.61	1703.60	116	1.00	1.00	87
28	1703.61	1703.62	87	1.00	1.00	87
29	1703.60	1703.62	44	1.00	1.00	87
30	1703.60	1703.59	130	1.00	1.00	87
31	1703.63	1703.62	146	1.00	1.00	88

AVERAGE	92	86
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CHANGE IN STORAGE DURING THE MONTH	0.015 B.C.F
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CHIEF ENGINEER

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

DATE	SACANDAGA RESERVOIR			HUDSON RIVER FLOW		
	WATER SURFACE ELEV. 12 A.M.	TOTAL STORAGE B.C.F. ⁽¹⁾	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	HADLEY AVG. DAILY C.F.S.	SPIER FALLS AVG. DAILY C.F.S.
Saturday 1	754.28	20.77	12 AM - Mid	3,510	3,750	7,260
Sunday 2	754.72	21.20	12 AM - Mid	425	6,490	6,915
Monday 3	755.56	22.01	12 AM - Mid	1,200	6,610	7,810
Tuesday 4	755.98	22.44	12 AM - Mid	962	6,890	7,852
Wednesday 5	756.53	22.98	12 AM - Mid	427	7,100	7,527
Thursday 6	757.27	23.73	12 AM - Mid	434	10,700	11,134
Friday 7	759.06	25.54	12 AM - Mid	419	13,900	14,319
Saturday 8	760.16	26.70	12 AM - Mid	423	12,500	12,923
CHANGE IN STORAGE DURING THE WEEK		5.93	* 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	2022	764.95	31.86	6	2021	758.58	25.06
2	2020	763.58	30.36	7	2019	757.46	23.92
3	2017	762.53	29.22	8	2018	754.56	21.04
4	2016	761.99	28.64	9	2014	752.24	18.82
5	2023	760.16	26.70	10	2015	749.00	15.84

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: April 15, 2023

DATE	SACANDAGA RESERVOIR			HUDSON RIVER FLOW		
	WATER SURFACE ELEV. 12 A.M.	TOTAL STORAGE B.C.F. ⁽¹⁾	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	HADLEY AVG. DAILY C.F.S.	SPIER FALLS AVG. DAILY C.F.S.
Saturday 8	760.16	26.70	12 AM - Mid	423	12,500	12,923
Sunday 9	760.85	27.42	12 AM - Mid	421	10,500	10,921
Monday 10	761.26	27.85	12 AM - Mid	419	9,260	9,679
Tuesday 11	761.80	28.43	12 AM - Mid	418	9,300	9,718
Wednesday 12	762.32	28.99	12 AM - Mid	416	11,800	12,216
Thursday 13	762.97	29.69	12 AM - Mid	414	15,300	15,714
Friday 14	763.69	30.48	12 AM - Mid	414	17,700	18,114
Saturday 15	764.39	31.24	12 AM - Mid	414	17,400	17,814
CHANGE IN STORAGE DURING THE WEEK		4.55	* 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	2022	769.12	36.57	6	2016	764.20	31.03
2	2017	767.24	34.41	7	2014	760.18	26.72
3	2020	765.83	32.83	8	2021	759.44	25.95
4	2019	764.63	31.51	9	2018	755.75	22.21
5	2023	764.39	31.24	10	2015	754.67	21.15

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: April 22, 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 15	764.39	31.24	12 AM - Mid	414	17,400	17,814
Sunday 16	764.94	31.85	12 AM - Mid	414	15,200	15,614
Monday 17	765.35	32.30	12 AM - Mid	414	13,100	13,514
Tuesday 18	765.61	32.59	12 AM - Mid	411	12,800	13,211
Wednesday 19	766.00	33.02	12 AM - Mid	409	11,200	11,609
Thursday 20	766.21	33.26	12 AM - Mid	516	9,390	9,906
Friday 21	766.38	33.45	12 AM - Mid	408	7,830	8,238
Saturday 22	766.50	33.58	12 AM - Mid	984	6,840	7,824
CHANGE IN STORAGE DURING THE WEEK		2.34	* 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	771.36	39.18	6	2014	765.49	32.46
2	2017	769.31	36.79	7	2016	764.63	31.51
3	2022	769.21	36.67	8	2021	761.51	28.12
4	2023	766.50	33.58	9	2015	760.01	26.54
5	2020	766.39	33.46	10	2018	758.36	24.83

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: April 8, 2023

DATE	INDIAN LAKE RESERVOIR			INDIAN RIVER	HUDSON RIVER	
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	NEWCOMB AVG. DAILY C.F.S.	NORTH CREEK AVG. DAILY C.F.S.
Saturday 1	1,637.20	1.39	12 AM - Mid	104	327	1,430
Sunday 2	1,637.53	1.44	12 AM - Mid	104	560	2,910
Monday 3	1,637.98	1.50	12 AM - Mid	104	740	3,100
Tuesday 4	1,638.30	1.55	12 AM - Mid	104	735	3,110
Wednesday 5	1,638.60	1.59	12 AM - Mid	106	715	3,060
Thursday 6	1,639.00	1.66	12 AM - Mid	108	1,270	5,910
Friday 7	1,639.90	1.79	12 AM - Mid	110	2,320	8,350
Saturday 8	1,640.70	1.91	12 AM - Mid	110	2,180	6,970

CHANGE IN STORAGE DURING THE WEEK	0.53	* 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	2016	1,650.05	3.52	6	2018	1,642.63	2.22
2	2022	1,649.89	3.49	7	2023	1,640.70	1.91
3	2020	1,646.06	2.79	8	2014	1,639.28	1.70
4	2021	1,644.79	2.58	9	2015	1,639.24	1.69
5	2017	1,644.79	2.58	10	2019	1,638.03	1.51

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: April 15, 2023

DATE	INDIAN LAKE RESERVOIR			INDIAN RIVER	HUDSON RIVER	
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	NEWCOMB AVG. DAILY C.F.S.	NORTH CREEK AVG. DAILY C.F.S.
Saturday 8	1,640.70	1.91	12 AM - Mid	110	2,180	6,970
Sunday 9	1,641.15	1.98	12 AM - Mid	110	1,620	5,240
Monday 10	1,641.43	2.03	12 AM - Mid	112	1,270	4,160
Tuesday 11	1,641.77	2.08	12 AM - Mid	115	1,210	4,700
Wednesday 12	1,642.23	2.16	12 AM - Mid	119	1,740	7,400
Thursday 13	1,643.08	2.29	12 AM - Mid	120	2,600	10,200
Friday 14	1,644.14	2.47	12 AM - Mid	121	3,510	12,100
Saturday 15	1,645.19	2.65	12 AM - Mid	122	3,760	11,100

CHANGE IN STORAGE DURING THE WEEK	0.73	* 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	2022	1,651.27	3.77	6	2014	1,645.73	2.74
2	2016	1,650.07	3.53	7	2023	1,645.19	2.65
3	2020	1,648.89	3.30	8	2019	1,643.63	2.38
4	2017	1,647.68	3.08	9	2018	1,643.06	2.29
5	2021	1,646.10	2.80	10	2015	1,642.31	2.17

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: April 22, 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 15	1,645.19	2.65	12 AM - Mid	122	3,760	11,100
Sunday 16	1,645.93	2.77	12 AM - Mid	123	3,150	8,950
Monday 17	1,646.47	2.86	12 AM - Mid	125	2,630	7,610
Tuesday 18	1,646.96	2.95	12 AM - Mid	125	2,570	7,430
Wednesday 19	1,647.42	3.03	12 AM - Mid	125	1,970	5,820
Thursday 20	1,647.62	3.07	12 AM - Mid	126	1,410	4,140
Friday 21	1,647.79	3.10	12 AM - Mid	126	1,050	3,010
Saturday 22	1,647.92	3.12	12 AM - Mid	126	842	2,490

CHANGE IN STORAGE DURING THE WEEK	0.48	* 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	2022	1,650.95	3.71	6	2017	1,648.97	3.31
2	2019	1,650.21	3.56	7	2021	1,648.02	3.14
3	2016	1,649.71	3.46	8	2023	1,647.92	3.12
4	2020	1,649.48	3.41	9	2015	1,647.08	2.97
5	2014	1,649.19	3.36	10	2018	1,643.96	2.44

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: April 8, 2023

DATE	STILLWATER RESERVOIR			BEAVER RIVER		BLACK RIVER
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	STILLWATER RELEASE AVG. DAILY C.F.S.	CROGHAN AVG. DAILY FLOW C.F.S.	WATERTOWN AVG. DAILY FLOW C.F.S.
Saturday 1	1,665.91	1.87	12 AM -Mid	50	537	5,740
Sunday 2	1,666.48	1.97	12 AM -Mid	50	1,080	8,480
Monday 3	1,667.14	2.08	12 AM -Mid	50	1,070	9,350
Tuesday 4	1,667.55	2.14	12 AM -Mid	50	739	9,920
Wednesday 5	1,667.90	2.20	12 AM -Mid	50	806	10,100
Thursday 6	1,668.62	2.32	12 AM -Mid	50	1,710	12,700
Friday 7	1,669.99	2.55	12 AM -Mid	50	1,680	14,200
Saturday 8	1,670.78	2.71	12 AM -Mid	50	1,100	16,200

CHANGE IN STORAGE DURING THE WEEK	0.84
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2016	1,676.64	4.07	6	2023	1,670.78	2.71
2	2022	1,675.37	3.75	7	2020	1,670.02	2.56
3	2017	1,674.96	3.65	8	2019	1,665.23	1.76
4	2018	1,673.36	3.27	9	2014	1,664.73	1.68
5	2021	1,671.95	2.96	10	2015	1,659.92	0.88

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

Datum: NAVD 88

CHIEF ENGINEER

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

DATE	STILLWATER RESERVOIR			BEAVER RIVER		BLACK RIVER
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	STILLWATER RELEASE AVG. DAILY C.F.S.	CROGHAN AVG. DAILY FLOW C.F.S.	WATERTOWN AVG. DAILY FLOW C.F.S.
Saturday 8	1,670.78	2.71	12 AM -Mid	50	1,100	16,200
Sunday 9	1,671.27	2.81	12 AM -Mid	50	676	14,800
Monday 10	1,671.66	2.90	12 AM -Mid	50	380	11,800
Tuesday 11	1,672.01	2.97	12 AM -Mid	50	386	9,570
Wednesday 12	1,672.39	3.06	12 AM -Mid	138	392	8,160
Thursday 13	1,672.81	3.15	12 AM -Mid	200	591	7,410
Friday 14	1,673.22	3.24	12 AM -Mid	200	562	7,210
Saturday 15	1,673.56	3.32	12 AM -Mid	200	433	7,180
CHANGE IN STORAGE DURING THE WEEK		0.61				

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2016	1,677.44	4.28	6	2021	1,673.12	3.22
2	2022	1,676.91	4.14	7	2020	1,671.59	2.88
3	2017	1,676.71	4.09	8	2014	1,671.05	2.77
4	2023	1,673.56	3.32	9	2019	1,669.76	2.51
5	2018	1,673.44	3.29	10	2015	1,665.11	1.74

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: April 22, 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 15	1,673.56	3.32	12 AM -Mid	200	433	7,180
Sunday 16	1,673.82	3.38	12 AM -Mid	200	442	7,120
Monday 17	1,674.03	3.42	12 AM -Mid	200	433	6,720
Tuesday 18	1,674.23	3.47	12 AM -Mid	200	606	6,270
Wednesday 19	1,674.39	3.51	12 AM -Mid	200	446	5,820
Thursday 20	1,674.52	3.54	12 AM -Mid	200	460	5,350
Friday 21	1,674.66	3.58	12 AM -Mid	200	408	4,740
Saturday 22	1,674.76	3.60	12 AM -Mid	200	365	4,110

CHANGE IN STORAGE DURING THE WEEK	0.28
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2022	1,677.98	4.42	6	2018	1,674.70	3.59
2	2017	1,677.53	4.30	7	2021	1,674.19	3.47
3	2016	1,677.53	4.30	8	2019	1,674.19	3.47
4	2014	1,676.31	3.98	9	2020	1,672.55	3.09
5	2023	1,674.76	3.60	10	2015	1,669.61	2.48

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: [April 8, 2023](#)

DATE	OLD FORGE RESERVOIR			SIXTH LAKE RESERVOIR		
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.
Saturday 1	1,703.65	0.487	89	1,780.82	0.141	37
Sunday 2	1,703.78	0.502	90	1,781.11	0.150	38
Monday 3	1,703.91	0.519	91	1,781.35	0.157	39
Tuesday 4	1,703.95	0.524	91	1,781.46	0.160	39
Wednesday 5	1,704.02	0.532	92	1,781.55	0.163	40
Thursday 6	1,704.17	0.553	93	1,781.91	0.174	40
Friday 7	1,704.41	0.584	167	1,782.56	0.194	86
Saturday 8	1,704.34	0.573	264	1,782.69	0.198	147
CHANGE IN STORAGE		0.086			0.057	

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	1,704.86	0.641	1	2023	1,782.69	0.198
2	2021	1,704.80	0.633	2	2021	1,782.47	0.191
3	2020	1,704.54	0.599	3	2022	1,782.10	0.180
4	2023	1,704.34	0.573	4	2020	1,781.98	0.176
5	2019	1,704.30	0.568	5	2019	1,781.29	0.155

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: April 15, 2023

DATE	OLD FORGE RESERVOIR			SIXTH LAKE RESERVOIR		
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.
Saturday 8	1,704.34	0.573	264	1,782.69	0.198	147
Sunday 9	1,704.30	0.568	269	1,782.63	0.196	146
Monday 10	1,704.22	0.559	169	1,782.54	0.193	144
Tuesday 11	1,704.37	0.577	95	1,782.44	0.190	143
Wednesday 12	1,704.41	0.584	95	1,782.38	0.188	142
Thursday 13	1,704.53	0.598	96	1,782.35	0.187	142
Friday 14	1,704.62	0.610	97	1,782.28	0.185	107
Saturday 15	1,704.68	0.619	97	1,782.26	0.184	86
CHANGE IN STORAGE		0.046			-0.013	

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	1,705.35	0.704	1	2022	1,783.14	0.212
2	2021	1,705.16	0.681	2	2021	1,783.02	0.208
3	2019	1,705.12	0.675	3	2019	1,782.72	0.199
4	2020	1,705.04	0.665	4	2020	1,782.68	0.198
5	2023	1,704.68	0.619	5	2023	1,782.26	0.184

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: [April 22, 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 15	1,704.68	0.619	97	1,782.26	0.184	86
Sunday 16	1,704.73	0.625	97	1,782.20	0.183	86
Monday 17	1,704.75	0.628	43	1,782.16	0.181	38
Tuesday 18	1,704.81	0.634	4	1,782.23	0.183	3
Wednesday 19	1,704.85	0.639	4	1,782.32	0.186	3
Thursday 20	1,704.90	0.647	4	1,782.42	0.189	3
Friday 21	1,704.96	0.655	4	1,782.49	0.192	3
Saturday 22	1,704.98	0.658	4	1,782.56	0.194	3
CHANGE IN STORAGE		0.039			0.009	

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	1,705.95	0.784	1	2022	1,783.94	0.237
2	2021	1,705.60	0.737	2	2019	1,783.80	0.232
3	2019	1,705.44	0.716	3	2021	1,783.76	0.231
4	2020	1,705.31	0.699	4	2020	1,783.10	0.211
5	2023	1,704.98	0.658	5	2023	1,782.56	0.194

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