

REPORT OF CHIEF ENGINEER
HUDSON RIVER - BLACK RIVER REGULATING DISTRICT
BOARD MEETING
MARCH 14, 2023 – INDIAN LAKE

HUDSON RIVER AREA - FEBRUARY SUMMARY

Reservoir Operation

Great Sacandaga Lake

The February average daily release from the Sacandaga Reservoir (Great Sacandaga Lake) was approximately 4,000 cubic feet per second (cfs). The Upper Hudson / Sacandaga River Offer of Settlement target elevation for February 28 is 749.46 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
Jan. 31	762.93	+12.57	+12.43	0	4,000
Feb. 28	757.7 (e)	+10.8 (e)	+8.2 (e)	0	4,000 (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 February average daily release from Indian Lake was approximately 520 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	
Jan. 31	1,643.43	+1.77	+4.28	495
Feb. 28	1,639.7 (e)	-0.3 (e)	+1.8 (e)	540 (e)

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

⁽²⁾ "(e)" represents estimated value

HUDSON RIVER AREA - FEBRUARY SUMMARY- continued

River Flow

Hudson River flow, downstream of the confluence with the Sacandaga River, was approximately 6,270 cfs on February 26 and approximately 1,220 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	890 (e)	736
Sacandaga at Stewarts Bridge	4,000 (e)	2,830
Indian at Indian Lake Dam	520 (e)	393
Hudson at Hadley (1)	2,920 (e)	2,050

Notes: (1) Above confluence with Sacandaga River

(2) Based on USGS records

(3) "(e)" represents estimated value

Precipitation

Monthly total precipitation measured 99%, 67%, and 59% historic average at Indian Lake, Mayfield, and Conklingville, respectively, as of February 26

Table 4.0 - *Hudson River Basin Precipitation - as of February 26*

Station	Monthly Total (inch)	Historic Average (inch)
Indian Lake	2.41	2.43
Mayfield	1.98	2.96
Conklingville	1.76	2.97

HUDSON RIVER AREA - FEBRUARY SUMMARY- continued

Operation Overview

Precipitation during the month of February 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 111% and 126% of historic average, respectively. Monthly release of water from Great Sacandaga Lake and Indian Lake measured 142% and 166% of historic average, respectively.

Great Sacandaga Lake Operation

Great Sacandaga Lake operation summary report for the period February 1, 2023 through February 27, 2023 is attached. This report includes estimated forecast values for dates after February 27, 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 – FEBRUARY SUMMARY

Reservoir Operations

Stillwater Reservoir

The February average daily release from Stillwater Reservoir was approximately 680 cfs. The maximum discharge for the month was 700 cfs.

Table 1.0 - *Stillwater Reservoir Elevation and Release*

Date	Daily Average Elevation (ft, NAVD)	Deviation from Average Elevation (ft) (1)	Release (cfs)
Jan. 31	1,668.51	-1.22	700
Feb. 28	1,664.1 (e)	-2.2 (e)	300 (e)

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

(2) "(e)" represents estimated value

Sixth Lake Reservoir

The February average daily release from Sixth Lake Reservoir was approximately 35 cfs.

Table 2.0 - *Sixth Lake Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
Jan. 31	1,780.21	-1.92	34
Feb. 28	1,780.7 (e)	-1.3 (e)	36 (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 February 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)
Jan. 31	1,703.38	-0.62	108
Feb. 28	1,703.5 (e)	-0.2 (e)	87

Notes: (1) Local Datum = USGS elevation

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

(3) "(e)" represents estimated value

BLACK RIVER AREA - FEBRUARY SUMMARY - continued

River Flow

The average daily Black River flow, as measured at the Watertown gauge, was approximately 3,430 cfs on February 26

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

River	Monthly Average Flow (cfs)	Historic Average Flow (1) (cfs)
Moose at McKeever	1,264 (e)	827
Beaver at Croghan	970 (e)	725
Black at Watertown	4,990 (e)	3,810

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 89%, 89%, 94% of historic average at Stillwater, Old Forge, and Sixth Lake, respectively, as of February 23.

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

Station	Monthly Total (inch)	Historic Average (inch)
Stillwater	2.49	2.81
Old Forge	2.75	3.10
Sixth Lake	2.46	2.63

BLACK RIVER AREA - FEBRUARY SUMMARY - continued

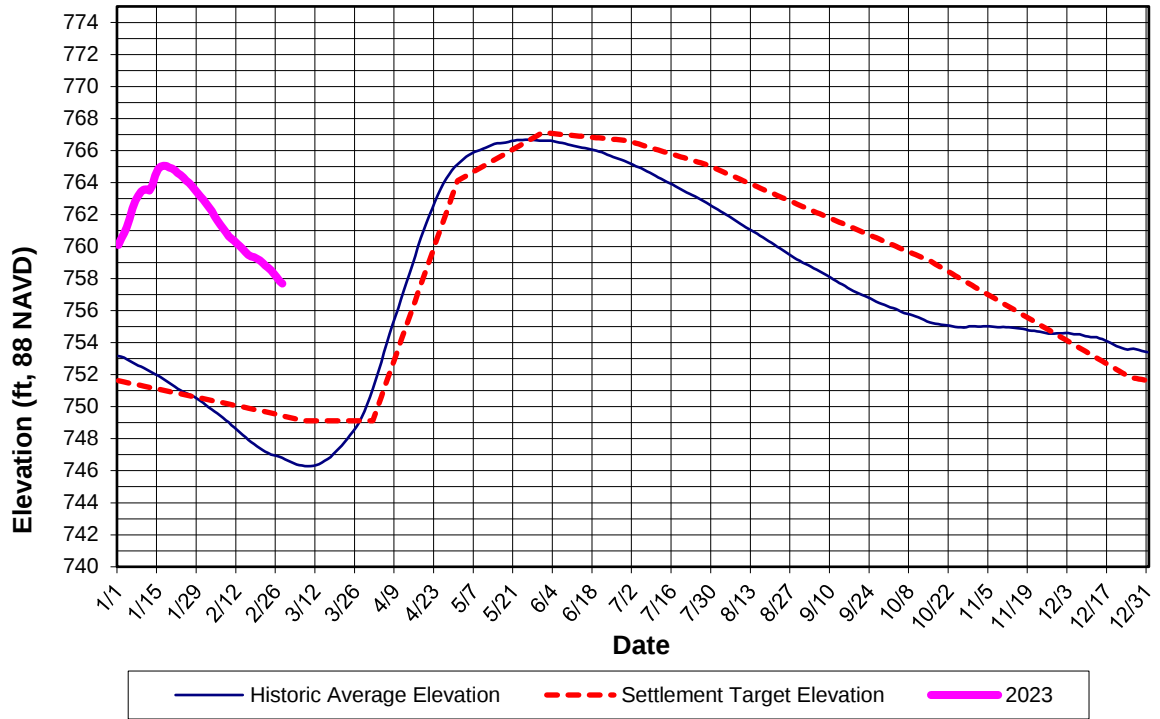
Operation Overview

Precipitation in the month of February was below average at Stillwater, Old Forge, and Sixth Lake Dam. The monthly inflow to Stillwater Reservoir was approximately 114% of historic average. The inflow to Sixth Lake and Old Forge Reservoir totaled 0.10 and 0.23 billion cubic feet, respectively, in February. Release of water from Stillwater Reservoir averaged 121% of historic discharge.

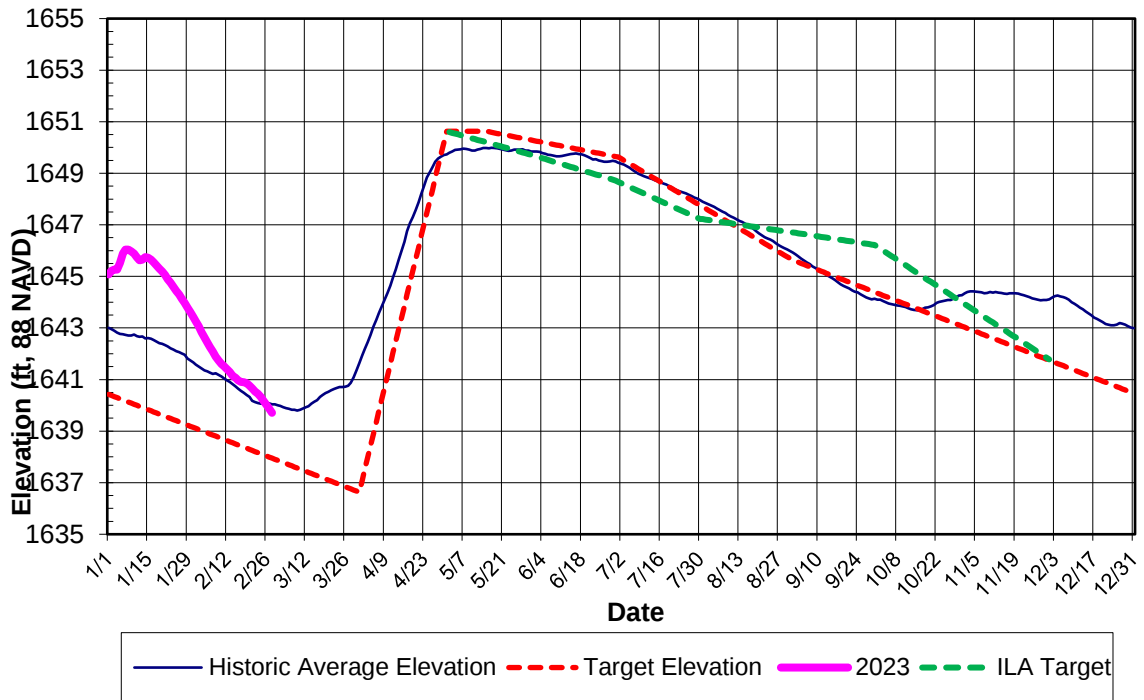
Black River Area Staff Activities

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

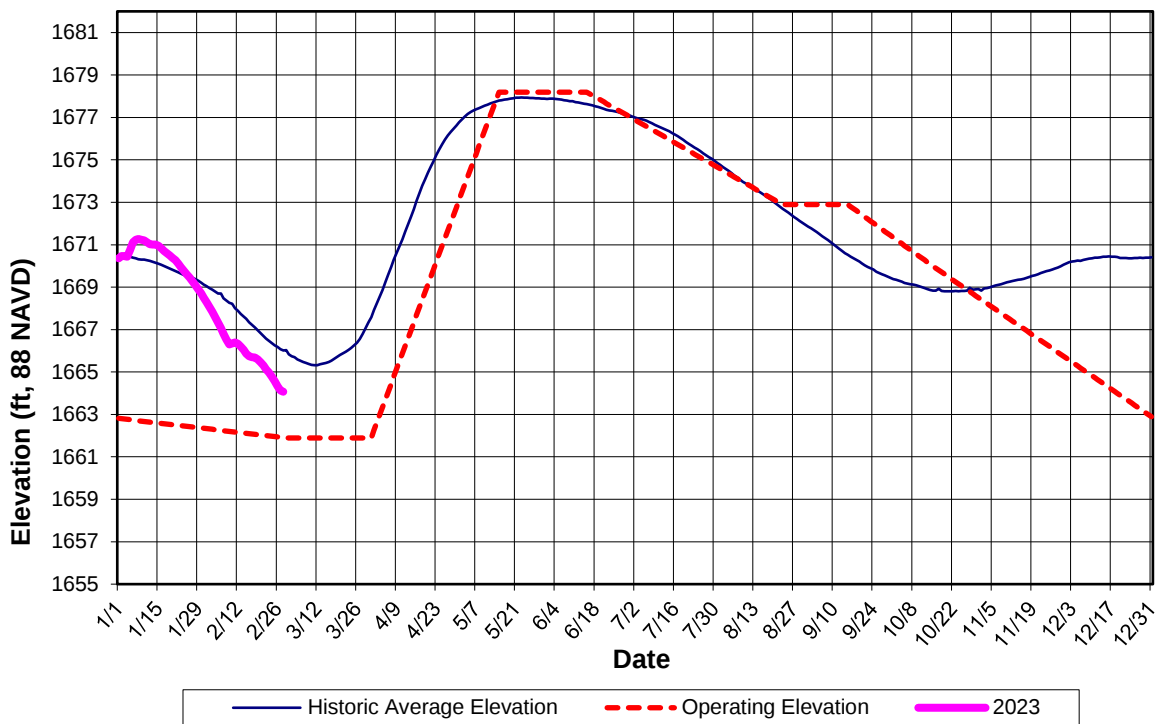
Great Sacandaga Lake 2023 Reservoir Elevation



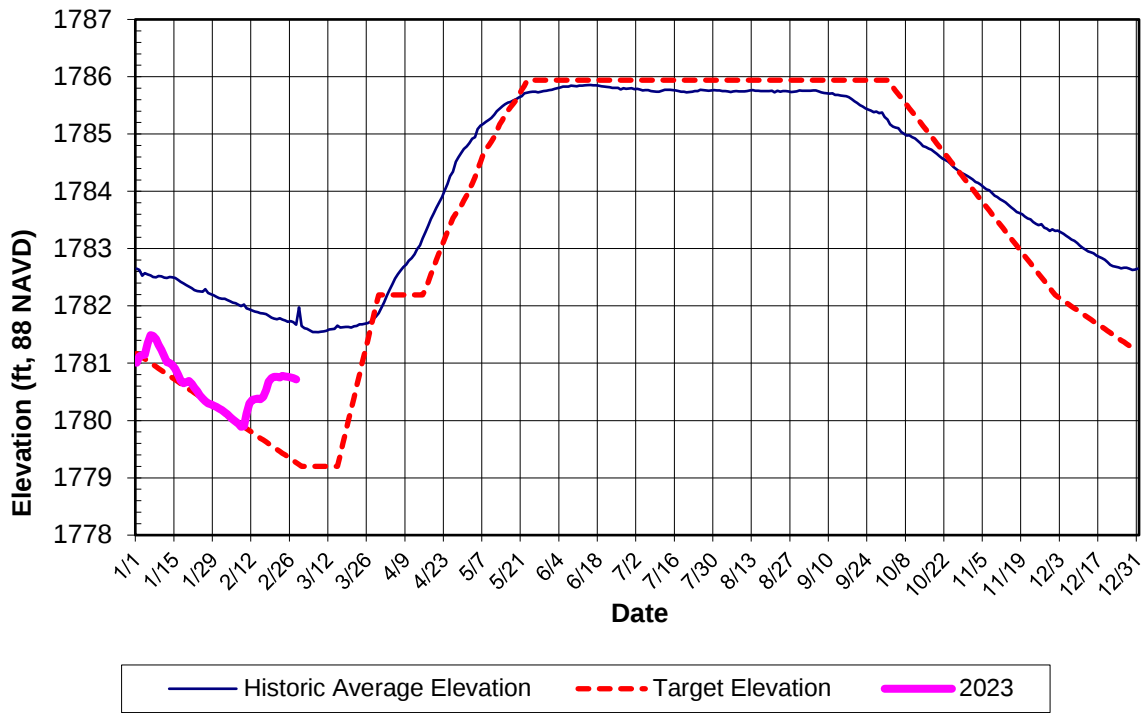
Indian Lake 2023 Reservoir Elevation



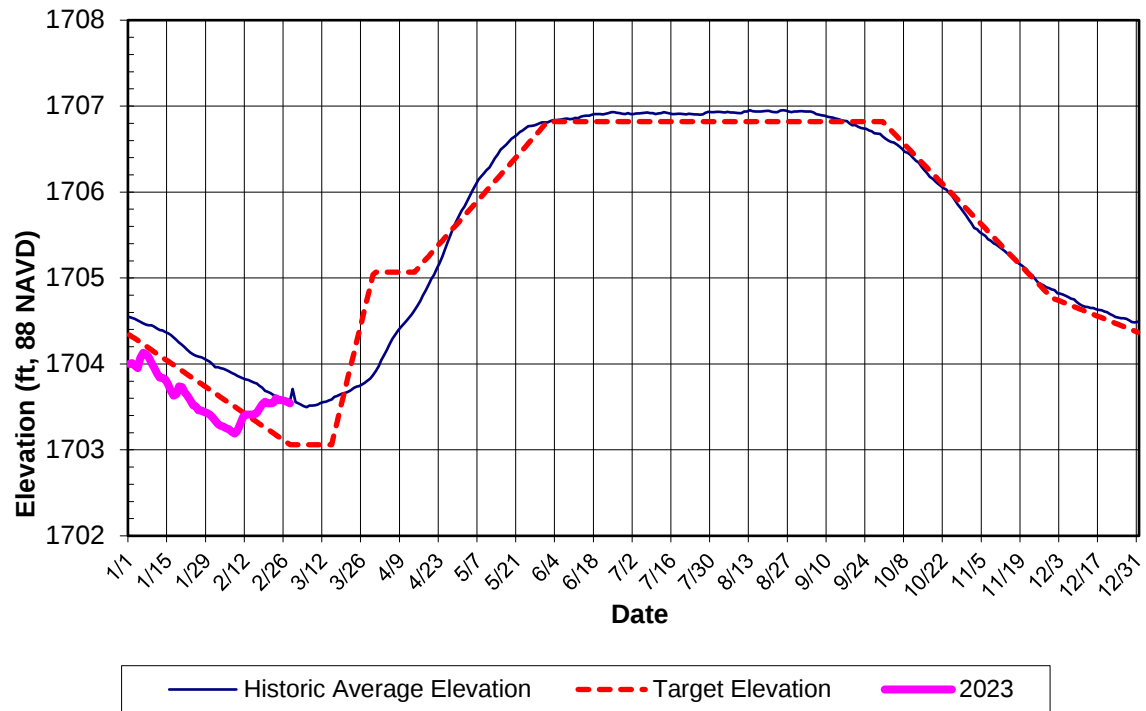
Stillwater Reservoir 2023 Reservoir Elevation



Sixth Lake 2023 Reservoir Elevation



Old Forge 2023 Reservoir Elevation



Hawkinsville Dam Remediation – Construction Progress Update

Construction activities during the month of January and February included installation of a gravel access road, and maintaining project cofferdams and environmental protection structures. Site conditions on the west side of the project has led to difficulty excavating existing bank fill material. Saturated soils has impeded contractor progress and work has progressed more slowly than anticipated due to winter weather conditions and due to the contractor's need to design a retaining wall and shoring system for the west bank, prior to construction of the outlet, abutment, and cutoff wall, to prevent loose soil from sliding into the project site.



Construction of west side access road (view upstream, spillway - top of photo in background)



West bank - access road construction (view to west; loose soils area left side of photo)



West bank loose soils



Drill for temporary pile and shoring wall installation

SACANDAGA RESERVOIR ELEVATION CALCULATOR

Datum:
1988 NAVD

Settlement Parameters			
Date	2/28/2023		
Target Elevation	749.46		
Actual "Level"	3.43		
"Level 2.5 threshold"	0.00		
"Level 1.2 threshold"	740.51		
Hudson River Target	Elevation	Level	
Maximum Flow (cfs)	8000	8360	
Minimum Flow (cfs)	n/a	2860	
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 (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	2/28/2023
Day of Year	5903
Starting Elevation (ft)	757.72
Average Elevation	757.62
Flow Below Hadley (cfs)	6500
Todays Release	4000
Tomorrows Release	4000

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

Dan McCarty 744-2067 Eric Johnson 863-8791

757.62 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 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	Maximum (Table F - Elev.)				Minimum (Table C - Level)	Maximum (Table D - Elev.)	(Table E - Level)					
2/1/2023	762.80	1100	4000	0	0	4000	4000	3.56	2370	6370	3120	8000	10900	762.56	2/2/2023	762.68	750.46	750.21
2/2/2023	762.56	1300	3990	0	0	3990	4000	3.55	2350	6340	3100	8000	10500	762.34	2/3/2023	762.45	750.43	750.07
2/3/2023	762.34	1000	4010	0	0	4010	4000	3.54	2080	6090	3080	8000	10100	762.09	2/4/2023	762.22	750.39	749.94
2/4/2023	762.09	500	4010	0	0	4010	4000	3.53	1370	5380	3060	8000	9700	761.80	2/5/2023	761.95	750.35	749.83
2/5/2023	761.80	500	4010	0	0	4010	4000	3.52	2080	6090	3040	8000	9300	761.51	2/6/2023	761.66	750.31	749.71
2/6/2023	761.51	700	3990	0	0	3990	4000	3.51	2310	6300	3020	8000	8900	761.24	2/7/2023	761.38	750.28	749.56
2/7/2023	761.24	1300	4000	0	0	4000	4000	3.50	2200	6200	3000	8000	8500	761.02	2/8/2023	761.13	750.24	749.41
2/8/2023	761.02	1000	4010	0	0	4010	4000	3.49	2400	6410	2980	8000	8480	760.77	2/9/2023	760.90	750.20	749.27
2/9/2023	760.77	1800	4010	0	0	4010	4000	3.48	2600	6610	2960	8000	8460	760.58	2/10/2023	760.68	750.16	749.13
2/10/2023	760.58	2300	4000	0	0	4000	4000	3.47	2800	6800	2940	8000	8440	760.44	2/11/2023	760.51	750.13	748.97
2/11/2023	760.44	2500	3990	0	0	3990	4000	3.46	2935	6925	2920	8000	8420	760.31	2/12/2023	760.38	750.09	748.81
2/12/2023	760.31	1400	4000	0	0	4000	4000	3.45	3070	7070	2900	8000	8400	760.09	2/13/2023	760.20	750.05	748.66
2/13/2023	760.09	2400	3990	0	0	3990	4000	3.44	3205	7195	2880	8000	8380	759.95	2/14/2023	760.02	750.02	748.50
2/14/2023	759.95	1400	3990	0	0	3990	4000	3.43	3340	7330	2860	8000	8360	759.73	2/15/2023	759.84	749.98	748.34
2/15/2023	759.73	2200	3990	0	0	3990	4000	3.43	3475	7465	2860	8000	8360	759.58	2/16/2023	759.66	749.94	748.18
2/16/2023	759.58	2000	4000	0	0	4000	4000	3.41	3610	7610	2820	8000	8320	759.41	2/17/2023	759.50	749.90	748.04
2/17/2023	759.41	3700	4010	0	0	4010	4000	3.40	3745	7755	2800	8000	8300	759.38	2/18/2023	759.40	749.87	747.89
2/18/2023	759.38	3300	4000	0	0	4000	4000	3.39	3880	7880	2780	8000	8280	759.32	2/19/2023	759.35	749.83	747.76
2/19/2023	759.32	2600	4010	0	0	4010	4000	3.38	3890	7900	2760	8000	8260	759.20	2/20/2023	759.26	749.79	747.63
2/20/2023	759.20	2400	4010	0	0	4010	4000	3.37	3650	7660	2740	8000	8240	759.06	2/21/2023	759.13	749.75	747.50
2/21/2023	759.06	2700	4010	0	0	4010	4000	3.36	3460	7470	2720	8000	8220	758.95	2/22/2023	759.01	749.72	747.39
2/22/2023	758.95	1700	3920	0	0	3920	4000	3.35	3230	7150	2700	8000	8200	758.76	2/23/2023	758.86	749.68	747.28
2/23/2023	758.76	2600	3990	0	0	3990	4000	3.34	3090	7080	2680	8000	8180	758.64	2/24/2023	758.70	749.64	747.20
2/24/2023	758.64	1300	4010	0	0	4010	4000	3.33	3020	7030	2660	8000	8160	758.41	2/25/2023	758.53	749.61	747.11
2/25/2023	758.41	1400	4020	0	0	4020	4000	3.33	2560	6580	2640	8000	8140	758.19	2/26/2023	758.30	749.57	747.05
2/26/2023	758.19	1400	4020	0	0	4020	4000	3.32	2250	6270	2620	8000	8120	757.96	2/27/2023	758.08	749.53	747.01
2/27/2023	757.96	1200	3900	0	0	3900	4000	3.31	2650	6550	2600	8000	8100	757.72	2/28/2023	757.84	749.49	746.96
2/28/2023	757.72	1700	4000	0	0	4000	4000	3.30	2500	6500	2580	8000	8080	757.52	3/1/2023	757.62	749.46	746.89
3/1/2023	757.52	1700	4000	0	0	4000	4000	3.29	2400	6400	2560	8000	8060	757.32	3/2/2023	757.42	749.46	746.78
3/2/2023	757.32	1600	4000	0	0	4000	4000	3.28	2300	6300	2540	8000	8040	757.11	3/3/2023	757.22	749.34	746.70
3/3/2023	757.11	1500	4000	0	0	4000	4000	3.27	2200	6200	2520	8000	8020	756.89	3/4/2023	757.00	749.31	746.62
3/4/2023	756.89	1400	4000	0	0	4000	4000	3.26	2100	6100	2520	8000	8020	763.32	2/2/2023		750.43	746.54
6/6/2020	767.29	1000	4000	0	0	4000	5487	3.00	3000	7000	2000	8000	7500	777.12	3/15/2019		#N/A	#N/A

Signature:_____

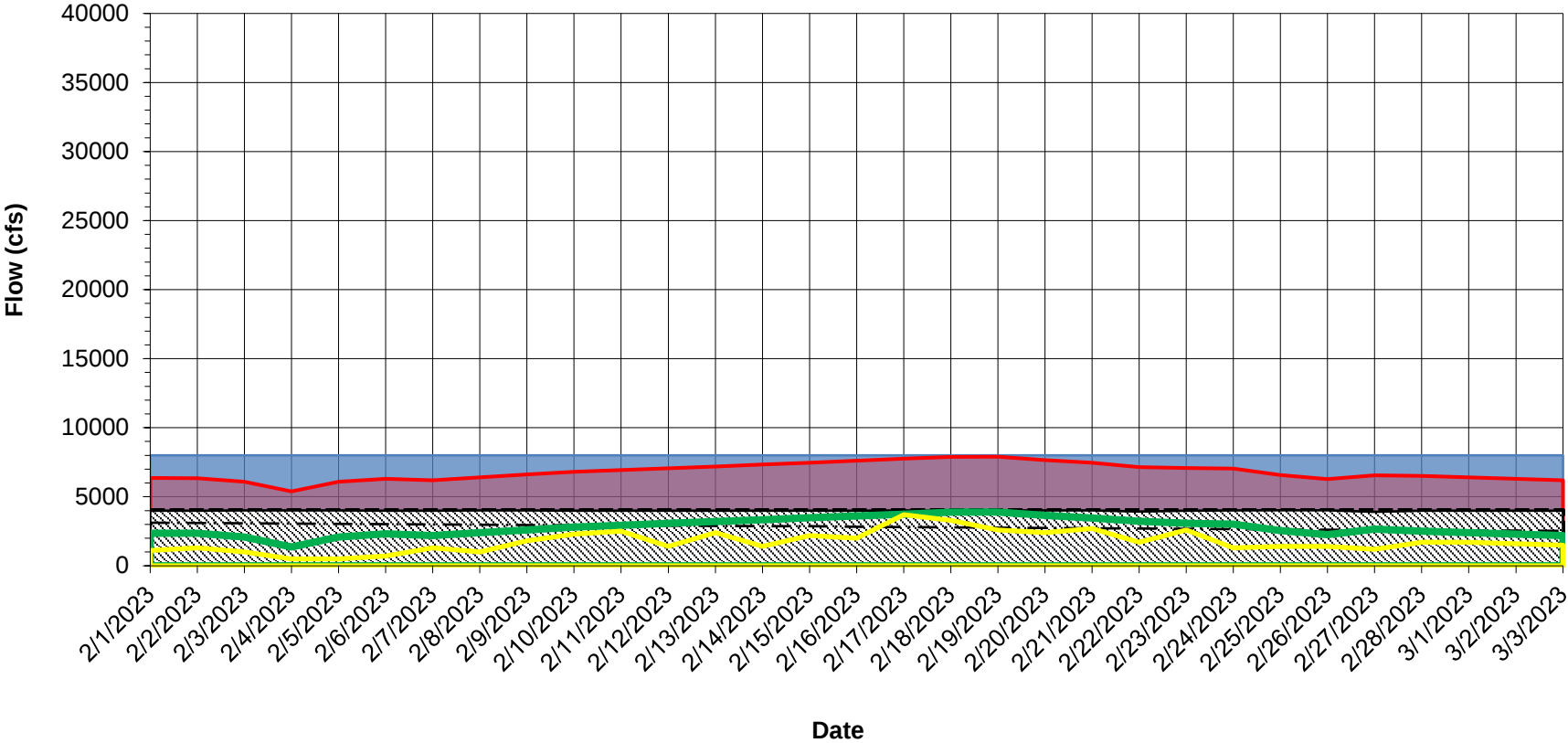
Date:_____

**GREAT SACANDAGA LAKE
RESERVOIR OPERATION SUMMARY**

Print Date: 2/28/2023
Period of Record: 2/1/2023 to 3/1/2023

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)	
2/1/2023	762.68	1100	4000	4000	3.56	2370	6370	3120	8000	4000
2/2/2023	762.45	1300	3990	4000	3.55	2350	6340	3100	8000	4000
2/3/2023	762.22	1000	4010	4000	3.54	2080	6090	3080	8000	4000
2/4/2023	761.95	500	4010	4000	3.53	1370	5380	3060	8000	4000
2/5/2023	761.66	500	4010	4000	3.52	2080	6090	3040	8000	4000
2/6/2023	761.38	700	3990	4000	3.51	2310	6300	3020	8000	4000
2/7/2023	761.13	1300	4000	4000	3.50	2200	6200	3000	8000	4000
2/8/2023	760.90	1000	4010	4000	3.49	2400	6410	2980	8000	4000
2/9/2023	760.68	1800	4010	4000	3.48	2600	6610	2960	8000	4000
2/10/2023	760.51	2300	4000	4000	3.47	2800	6800	2940	8000	4000
2/11/2023	760.38	2500	3990	4000	3.46	2935	6925	2920	8000	4000
2/12/2023	760.20	1400	4000	4000	3.45	3070	7070	2900	8000	4000
2/13/2023	760.02	2400	3990	4000	3.44	3205	7195	2880	8000	4000
2/14/2023	759.84	1400	3990	4000	3.43	3340	7330	2860	8000	4000
2/15/2023	759.66	2200	3990	4000	3.43	3475	7465	2860	8000	4000
2/16/2023	759.50	2000	4000	4000	3.41	3610	7610	2820	8000	4000
2/17/2023	759.40	3700	4010	4000	3.40	3745	7755	2800	8000	4000
2/18/2023	759.35	3300	4000	4000	3.39	3880	7880	2780	8000	4000
2/19/2023	759.26	2600	4010	4000	3.38	3890	7900	2760	8000	4000
2/20/2023	759.13	2400	4010	4000	3.37	3650	7660	2740	8000	4000
2/21/2023	759.01	2700	4010	4000	3.36	3460	7470	2720	8000	4000
2/22/2023	758.86	1700	3920	4000	3.35	3230	7150	2700	8000	4000
2/23/2023	758.70	2600	3990	4000	3.34	3090	7080	2680	8000	4000
2/24/2023	758.53	1300	4010	4000	3.33	3020	7030	2660	8000	4000
2/25/2023	758.30	1400	4020	4000	3.33	2560	6580	2640	8000	4000
2/26/2023	758.08	1400	4020	4000	3.32	2250	6270	2620	8000	4000
2/27/2023	757.84	1200	3900	4000	3.31	2650	6550	2600	8000	4000
2/28/2023	757.62	1700	4000	4000	3.30	2500	6500	2580	8000	4000
3/1/2023	757.42	1700	4000	4000	3.29	2400	6400	2560	8000	4000
3/2/2023	757.22	1600	4000	4000	3.28	2300	6300	2540	8000	4000
3/3/2023	757.00	1500	4000	4000	3.27	2200	6200	2520	8000	4000

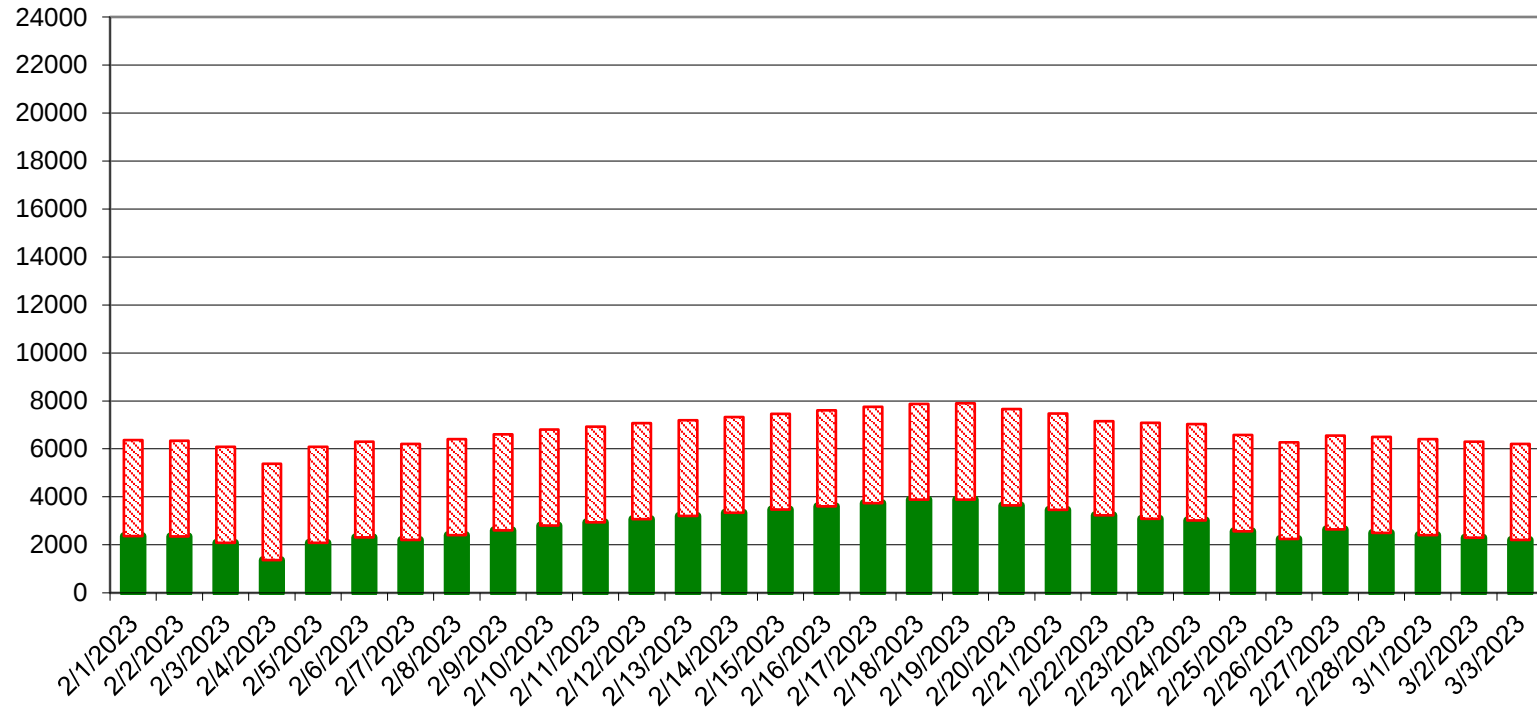
Great Sacandaga Lake
Actual and Maximum Allowable Hudson River Flow Below Confluence



- 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

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

Activity report for January & February 2023

SFO

- Performed snow removal and maintenance of facility
- Cleaned offices and conference room weekly
- Performed maintenance on vehicles and equipment
- Cut sign boards and stakes including staining
- Installed two new window units in the maintenance building
- Replaced the batteries in the emergency lighting and fire alarm
- Built 13 sections of docks for SFO

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
- Started the 2023 snow surveys
- Assisted ATL during the installation of 4 new wells on the toe of the dam
- Scheduled the repairs for valve #3 electrical panel

Respectfully,

Matthew Ginter

Operations Manager

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

- Road maintenance, snow removal
- Vehicle/equipment maintenance
- Snow removal at facilities
- Took part in Webinar on Dam Safety Signage
- Started Snow Surveys
- New dialer installation
- Started cleaning/maintenance on stopgate
- New tires installed on front of 550
- Attended LEPC meeting
- Visited Hawkinsville Dam project
- Attended Ethics training class @BRAO
- Continued testing of Gate #4
- Worked on wiring/new lighting in shop
- Painted in shop
- 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.

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

Monthly Report for: January 2023

Day	Sacandaga Reservoir Elevation Average Daily	Sacandaga Reservoir Elevation Midnight	Sacandaga River Near Hope cfs	Reservoir Inflow Hope x 2.0845 cfs	Sacandaga River at Stewarts Bridge cfs	Hudson River at Hadley cfs	Regulated Hudson River below confluence cfs
1	760.10	759.88	3390	7066	915	6250	7165
2	760.50	760.32	2890	6024	405	7290	7695
3	760.84	760.63	2470	5149	748	7080	7828
4	761.20	761.07	2620	5461	562	6720	7282
5	761.73	761.38	4840	10089	409	8160	8569
6	762.38	762.11	4190	8734	409	10300	10709
7	762.86	762.67	3280	6837	405	9670	10075
8	763.18	763.04	2500	5211	404	8310	8714
9	763.43	763.30	2020	4211	942	7140	8082
10	763.56	763.55	1730	3606	1690	6330	8020
11	763.57	763.55	1270	2647	2580	5510	8090
12	763.49	763.64	1250	2606	3150	4960	8110
13	763.81	763.53	3970	8275	2980	6760	9740
14	764.43	764.20	3630	7567	495	7660	8155
15	764.83	764.72	2490	5190	1050	6620	7670
16	765.00	764.98	1930	4023	2060	5910	7970
17	765.05	765.11	1690	3523	2760	5280	8040
18	765.04	765.10	1500	3127	3330	4870	8200
19	764.93	765.04	1260	2626	3700	4590	8290
20	764.87	764.91	1170	2439	3860	4310	8170
21	764.75	764.80	1050	2189	3880	4070	7950
22	764.59	764.68	920	1918	3880	3800	7680
23	764.47	764.51	865	1803	3930	3650	7580
24	764.32	764.42	826	1722	3890	3450	7340
25	764.11	764.21	748	1559	3950	3270	7220
26	763.98	763.99	766	1597	3960	3170	7130
27	763.77	763.87	707	1474	4000	3070	7070
28	763.57	763.66	670	1397	4000	2880	6880
29	763.35	763.45	599	1249	4000	2760	6760
30	763.14	763.22	620	1292	3990	2750	6740
31	762.93	763.03	587	1224	4000	2640	6640

AVERAGE			1890	3930	2460	5460	7920
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CHANGE IN STORAGE DURING THE MONTH

3.08 B.C.F.

CHIEF ENGINEER

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

Monthly Report for: January, 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	1645.08	1645.00	819	524	697	3480
2	1645.22	1645.15	720	523	1100	4300
3	1645.26	1645.25	544	524	1050	3840
4	1645.27	1645.26	663	525	853	3330
5	1645.52	1645.33	1292	525	1170	5070
6	1645.88	1645.72	1056	525	1850	6420
7	1646.04	1645.99	643	525	1640	5550
8	1646.04	1646.05	447	526	1210	4170
9	1645.97	1646.01	348	525	843	3250
10	1645.88	1645.92	308	524	696	2610
11	1645.74	1645.81	288	524	516	2170
12	1645.62	1645.69	347	524	449	1900
13	1645.65	1645.61	720	523	483	2450
14	1645.75	1645.70	641	523	674	3070
15	1645.73	1645.76	386	524	627	2730
16	1645.65	1645.69	326	523	514	2430
17	1645.55	1645.60	326	523	444	2210
18	1645.43	1645.49	227	522	400	1920
19	1645.30	1645.35	340	517	367	1830
20	1645.19	1645.25	238	513	344	1720
21	1645.05	1645.12	237	512	321	1650
22	1644.89	1644.97	196	511	294	1560
23	1644.75	1644.81	234	509	275	1510
24	1644.60	1644.67	153	507	257	1470
25	1644.43	1644.49	250	506	244	1410
26	1644.30	1644.37	268	504	238	1350
27	1644.13	1644.24	149	503	232	1350
28	1643.97	1644.06	106	500	228	1300
29	1643.79	1643.87	263	499	214	1320
30	1643.62	1643.74	113	496	207	1260
31	1643.43	1643.54	125	495	195	1220

AVERAGE	412	516	601	2576
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CHANGE IN STORAGE DURING THE MONTH	-0.279 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: January 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	1670.36	1670.27	1100	700	1500	1290	12100
2	1670.47	1670.44	794	700	1920	1400	12900
3	1670.46	1670.48	606	700	1590	1280	11100
4	1670.43	1670.44	888	700	1530	1200	10300
5	1670.75	1670.52	1782	700	2650	1370	11500
6	1671.11	1670.98	991	700	3190	1540	11600
7	1671.24	1671.10	1091	700	2010	1250	12300
8	1671.27	1671.26	700	700	1370	1120	12000
9	1671.24	1671.26	627	700	1070	1000	10300
10	1671.20	1671.23	529	700	994	988	8350
11	1671.11	1671.16	456	700	980	919	6740
12	1671.02	1671.06	530	700	960	882	5860
13	1671.01	1670.99	797	700	940	1050	5680
14	1671.01	1671.03	627	700	920	1100	6360
15	1670.95	1671.00	465	700	900	1050	6380
16	1670.84	1670.90	394	700	880	997	5960
17	1670.71	1670.77	418	700	860	967	5440
18	1670.60	1670.65	465	700	840	918	5270
19	1670.49	1670.55	441	700	820	961	5740
20	1670.38	1670.44	418	700	800	1050	5840
21	1670.27	1670.32	347	700	780	1010	5800
22	1670.10	1670.17	347	700	760	994	5470
23	1669.94	1670.02	366	700	740	921	4980
24	1669.77	1669.85	375	700	720	849	4440
25	1669.60	1669.68	413	700	700	827	4030
26	1669.45	1669.53	394	700	680	944	3980
27	1669.28	1669.37	356	700	660	890	4010
28	1669.09	1669.19	336	700	640	781	3790
29	1668.90	1669.00	336	700	620	828	3580
30	1668.72	1668.81	336	700	600	841	3540
31	1668.51	1668.62	298	700	580	826	3520

AVERAGE			581	700	1100	1030	7060
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CHANGE IN STORAGE DURING THE MONTH

-0.32 B.C.F.

Boonville gauge affect by ice

CHIEF ENGINEER

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

Monthly Report for: January, 2023

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow (cfs)	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1781.01	1780.90	124	0.83	0.83	58
2	1781.12	1781.09	76	0.83	0.83	59
3	1781.14	1781.14	60	0.83	0.83	60
4	1781.15	1781.14	89	1.17	1.17	72
5	1781.35	1781.19	178	1.17	1.17	81
6	1781.49	1781.47	89	1.17	1.17	82
7	1781.48	1781.49	72	1.17	1.17	82
8	1781.42	1781.46	51	1.17	1.17	82
9	1781.32	1781.37	46	1.17	1.17	81
10	1781.23	1781.27	45	1.17	1.17	80
11	1781.12	1781.17	41	1.17	1.17	79
12	1781.02	1781.06	50	1.17	1.17	78
13	1781.00	1780.98	81	1.17	1.17	78
14	1780.97	1780.99	64	1.17	1.17	78
15	1780.90	1780.95	46	1.17	1.17	77
16	1780.80	1780.86	38	1.17	1.17	76
17	1780.70	1780.75	44	1.17	1.17	75
18	1780.65	1780.66	52	0.42	0.42	49
19	1780.67	1780.67	45	0.42	0.42	31
20	1780.69	1780.71	29	0.83	0.83	43
21	1780.64	1780.67	32	0.83	0.83	56
22	1780.57	1780.60	34	0.83	0.83	55
23	1780.51	1780.54	34	0.83	0.83	55
24	1780.44	1780.48	30	0.83	0.83	54
25	1780.38	1780.41	46	0.83	0.83	53
26	1780.34	1780.39	29	0.83	0.83	53
27	1780.30	1780.32	34	0.50	0.50	44
28	1780.28	1780.29	27	0.50	0.50	34
29	1780.26	1780.27	27	0.50	0.50	34
30	1780.24	1780.25	27	0.50	0.50	34
31	1780.21	1780.23	20	0.50	0.50	34

AVERAGE 54 62

CHANGE IN STORAGE DURING THE MONTH -0.021 B.C.F

CHIEF ENGINEER

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

Monthly Report for: January, 2023

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow (cfs)	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1704.00	1703.99	228	3.00	3.00	199
2	1704.01	1704.02	185	3.00	3.00	199
3	1703.98	1704.00	140	3.00	3.00	198
4	1703.95	1703.96	270	3.00	3.00	198
5	1704.07	1704.01	379	3.00	3.00	201
6	1704.13	1704.13	172	3.00	3.00	203
7	1704.11	1704.12	171	3.00	3.00	202
8	1704.08	1704.10	129	3.00	3.00	201
9	1704.01	1704.05	99	3.00	3.00	200
10	1703.96	1703.97	125	3.00	3.00	197
11	1703.89	1703.92	108	3.00	3.00	195
12	1703.84	1703.87	136	3.00	3.00	194
13	1703.84	1703.83	208	3.00	3.00	194
14	1703.82	1703.84	122	3.00	3.00	194
15	1703.76	1703.79	120	3.00	3.00	192
16	1703.69	1703.73	89	3.00	3.00	190
17	1703.63	1703.66	87	3.00	3.00	188
18	1703.65	1703.60	296	0.58	0.58	108
19	1703.74	1703.72	126	0.58	0.58	54
20	1703.73	1703.78	-73	2.17	2.17	28
21	1703.67	1703.70	77	2.17	2.17	164
22	1703.63	1703.64	103	2.17	2.17	161
23	1703.58	1703.61	72	2.17	2.17	159
24	1703.52	1703.55	114	2.17	2.17	157
25	1703.51	1703.51	155	2.17	2.17	155
26	1703.46	1703.52	81	2.17	2.17	153
27	1703.46	1703.46	132	1.33	1.33	132
28	1703.44	1703.46	95	1.33	1.33	109
29	1703.43	1703.45	36	1.33	1.33	108
30	1703.41	1703.40	108	1.33	1.33	108
31	1703.38	1703.40	50	1.33	1.33	108

AVERAGE 133 163

CHANGE IN STORAGE DURING THE MONTH -0.079 B.C.F

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
SACANDAGA RESERVOIR OPERATION
FOR WEEK ENDING: February 4, 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 28	763.66	30.44	12 AM - Mid	4,000	2,880	6,880
Sunday 29	763.45	30.21	12 AM - Mid	4,000	2,760	6,760
Monday 30	763.22	29.96	12 AM - Mid	3,990	2,750	6,740
Tuesday 31	763.03	29.76	12 AM - Mid	4,000	2,640	6,640
Wednesday 1	762.78	29.49	12 AM - Mid	4,000	2,370	6,370
Thursday 2	762.56	29.24	12 AM - Mid	3,990	2,350	6,340
Friday 3	762.36	29.03	12 AM - Mid	4,010	2,080	6,090
Saturday 4	762.09	28.74	12 AM - Mid	4,010	1,370	5,380
CHANGE IN STORAGE DURING THE WEEK		-1.70	* 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	762.09	28.74	6	2017	750.89	17.56
2	2019	761.85	28.49	7	2021	750.36	17.07
3	2020	760.26	26.80	8	2022	750.29	17.01
4	2018	753.57	20.09	9	2014	749.99	16.73
5	2016	751.15	17.80	10	2015	749.76	16.53

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: February 11, 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 4	762.09	28.74	12 AM - Mid	4,010	1,370	5,380
Sunday 5	761.80	28.43	12 AM - Mid	4,010	1,350	5,360
Monday 6	761.50	28.11	12 AM - Mid	3,990	1,330	5,320
Tuesday 7	761.24	27.83	12 AM - Mid	4,000	1,310	5,310
Wednesday 8	760.97	27.55	12 AM - Mid	4,010	1,290	5,300
Thursday 9	760.75	27.32	12 AM - Mid	4,010	1,270	5,280
Friday 10	760.54	27.10	12 AM - Mid	4,000	1,250	5,250
Saturday 11	760.42	26.97	12 AM - Mid	3,990	1,230	5,220
CHANGE IN STORAGE DURING THE WEEK		-1.77	* 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	762.61	29.30	6	2017	750.61	17.30
2	2023	760.42	26.97	7	2021	750.12	16.85
3	2020	758.72	25.20	8	2022	750.02	16.76
4	2016	752.47	19.04	9	2015	749.44	16.23
5	2018	752.13	18.71	10	2014	749.41	16.21

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: February 18, 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 11	760.42	26.97	12 AM - Mid	3,990	1,230	5,220
Sunday 12	760.31	26.84	12 AM - Mid	4,000	1,500	5,500
Monday 13	760.08	26.61	12 AM - Mid	3,990	1,900	5,890
Tuesday 14	759.95	26.48	12 AM - Mid	3,990	2,200	6,190
Wednesday 15	759.73	26.25	12 AM - Mid	3,990	2,600	6,590
Thursday 16	759.56	26.06	12 AM - Mid	4,000	2,800	6,800
Friday 17	759.39	25.90	12 AM - Mid	4,010	3,000	7,010
Saturday 18	759.38	25.88	12 AM - Mid	4,000	3,880	7,880
CHANGE IN STORAGE DURING THE WEEK		-1.08	* 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	761.94	28.58	6	2022	749.94	16.69
2	2023	759.38	25.88	7	2021	749.90	16.65
3	2020	756.86	23.31	8	2017	749.60	16.38
4	2016	751.12	17.77	9	2014	749.23	16.04
5	2018	750.50	17.20	10	2015	749.16	15.98

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: February 25, 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 18	759.38	25.88	12 AM - Mid	4,000	3,880	7,880
Sunday 19	759.30	25.80	12 AM - Mid	4,010	3,890	7,900
Monday 20	759.22	25.72	12 AM - Mid	4,010	3,650	7,660
Tuesday 21	759.09	25.58	12 AM - Mid	4,010	3,460	7,470
Wednesday 22	758.91	25.40	12 AM - Mid	3,920	3,230	7,150
Thursday 23	758.76	25.24	12 AM - Mid	3,990	3,090	7,080
Friday 24	758.65	25.13	12 AM - Mid	4,010	3,020	7,030
Saturday 25	758.41	24.88	12 AM - Mid	4,020	2,560	6,580
CHANGE IN STORAGE DURING THE WEEK		-1.00	* 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	760.67	27.23	6	2016	751.20	17.85
2	2023	758.41	24.88	7	2021	749.72	16.49
3	2020	754.85	21.32	8	2017	749.53	16.32
4	2022	753.66	20.17	9	2015	748.76	15.62
5	2018	752.94	19.48	10	2014	748.37	15.28

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: February 4, 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 28	1,644.06	2.45	12 AM - Mid	500	228	1,300
Sunday 29	1,643.87	2.42	12 AM - Mid	499	214	1,250
Monday 30	1,643.74	2.40	12 AM - Mid	496	207	1,250
Tuesday 31	1,643.54	2.37	12 AM - Mid	495	195	1,200
Wednesday 1	1,643.35	2.33	12 AM - Mid	492	178	1,000
Thursday 2	1,643.15	2.30	12 AM - Mid	490	176	1,000
Friday 3	1,642.95	2.27	12 AM - Mid	488	170	900
Saturday 4	1,642.74	2.24	12 AM - Mid	487	156	600

CHANGE IN STORAGE DURING THE WEEK	-0.22	* 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	2018	1,643.92	2.43	6	2014	1,640.69	1.91
2	2023	1,642.74	2.24	7	2016	1,640.39	1.86
3	2019	1,641.39	2.02	8	2015	1,639.64	1.75
4	2021	1,640.78	1.92	9	2022	1,638.81	1.63
5	2017	1,640.78	1.92	10	2020	1,638.43	1.57

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

Datum: NAVD 88
North Creek gauge affect by ice

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
INDIAN LAKE RESERVOIR OPERATION
FOR WEEK ENDING: February 11, 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 4	1,642.74	2.24	12 AM - Mid	487	148	600
Sunday 5	1,642.52	2.20	12 AM - Mid	483	142	590
Monday 6	1,642.35	2.17	12 AM - Mid	480	137	580
Tuesday 7	1,642.17	2.15	12 AM - Mid	478	134	570
Wednesday 8	1,642.00	2.12	12 AM - Mid	476	133	560
Thursday 9	1,641.79	2.09	12 AM - Mid	475	140	550
Friday 10	1,641.74	2.08	12 AM - Mid	478	209	540
Saturday 11	1,641.60	2.05	12 AM - Mid	480	321	530

CHANGE IN STORAGE DURING THE WEEK	-0.18	* 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	2018	1,643.15	2.30	6	2021	1,640.00	1.81
2	2017	1,641.82	2.09	7	2015	1,639.41	1.72
3	2019	1,641.63	2.06	8	2014	1,639.36	1.71
4	2023	1,641.60	2.05	9	2022	1,638.50	1.58
5	2016	1,640.87	1.94	10	2020	1,638.36	1.56

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

Datum: NAVD 88
North Creek gauge affect by ice

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
INDIAN LAKE RESERVOIR OPERATION
FOR WEEK ENDING: February 18, 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 11	1,641.60	2.05	12 AM - Mid	480	321	530
Sunday 12	1,641.50	2.04	12 AM - Mid	482	359	580
Monday 13	1,641.36	2.02	12 AM - Mid	482	331	600
Tuesday 14	1,641.24	2.00	12 AM - Mid	482	300	650
Wednesday 15	1,641.08	1.97	12 AM - Mid	482	270	850
Thursday 16	1,641.10	1.97	12 AM - Mid	482	270	1,000
Friday 17	1,640.94	1.95	12 AM - Mid	485	307	1,300
Saturday 18	1,640.88	1.94	12 AM - Mid	485	354	2,050

CHANGE IN STORAGE DURING THE WEEK

-0.11

* 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	2018	1,642.52	2.20	6	2021	1,639.24	1.69
2	2017	1,641.74	2.08	7	2015	1,639.06	1.66
3	2019	1,641.04	1.97	8	2022	1,638.88	1.64
4	2023	1,640.88	1.94	9	2014	1,638.50	1.58
5	2016	1,640.76	1.92	10	2020	1,638.12	1.52

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: February 25, 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 18	1,640.88	1.94	12 AM - Mid	485	354	2,050
Sunday 19	1,640.88	1.94	12 AM - Mid	485	396	2,010
Monday 20	1,640.84	1.93	12 AM - Mid	485	373	1,860
Tuesday 21	1,640.72	1.91	12 AM - Mid	485	332	1,710
Wednesday 22	1,640.62	1.90	12 AM - Mid	485	310	1,570
Thursday 23	1,640.48	1.88	12 AM - Mid	485	289	1,490
Friday 24	1,640.44	1.87	12 AM - Mid	485	277	1,470
Saturday 25	1,640.24	1.84	12 AM - Mid	485	246	1,330

CHANGE IN STORAGE DURING THE WEEK	-0.10	* 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	2018	1,643.83	2.41	6	2019	1,640.11	1.82
2	2017	1,642.51	2.20	7	2014	1,638.81	1.63
3	2022	1,642.28	2.16	8	2015	1,638.75	1.62
4	2016	1,641.33	2.01	9	2021	1,638.51	1.58
5	2023	1,640.24	1.84	10	2020	1,637.79	1.47

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: **February 4, 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 28	1,669.19	2.42	12 AM -Mid	700	781	3,790
Sunday 29	1,669.00	2.38	12 AM -Mid	700	828	3,580
Monday 30	1,668.81	2.35	12 AM -Mid	700	841	3,540
Tuesday 31	1,668.62	2.32	12 AM -Mid	700	826	3,520
Wednesday 1	1,668.41	2.29	12 AM -Mid	700	830	3,110
Thursday 2	1,668.18	2.25	12 AM -Mid	700	876	3,150
Friday 3	1,667.96	2.21	12 AM -Mid	700	926	3,260
Saturday 4	1,667.72	2.17	12 AM -Mid	700	984	3,370

CHANGE IN STORAGE DURING THE WEEK

-0.24

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2014	1,674.20	3.47	6	2016	1,668.86	2.36
2	2018	1,673.77	3.36	7	2023	1,667.72	2.17
3	2020	1,670.20	2.59	8	2021	1,667.20	2.09
4	2019	1,670.00	2.55	9	2015	1,665.17	1.75
5	2017	1,669.71	2.50	10	2022	1,663.52	1.48

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
STILLWATER RESERVOIR OPERATION
FOR WEEK ENDING: [February 11, 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 4	1,667.72	2.17	12 AM -Mid	700	984	3,370
Sunday 5	1,667.47	2.13	12 AM -Mid	700	1,110	3,200
Monday 6	1,667.20	2.09	12 AM -Mid	700	792	2,950
Tuesday 7	1,666.94	2.04	12 AM -Mid	700	827	3,240
Wednesday 8	1,666.66	2.00	12 AM -Mid	700	802	3,180
Thursday 9	1,666.39	1.95	12 AM -Mid	700	831	3,310
Friday 10	1,666.27	1.93	12 AM -Mid	700	1,350	6,360
Saturday 11	1,666.39	1.95	12 AM -Mid	700	1,350	7,840

CHANGE IN STORAGE DURING THE WEEK

-0.22

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2014	1,673.23	3.24	6	2016	1,668.57	2.31
2	2018	1,672.97	3.18	7	2021	1,666.66	2.00
3	2019	1,670.75	2.71	8	2023	1,666.39	1.95
4	2017	1,669.45	2.46	9	2015	1,664.10	1.57
5	2020	1,668.77	2.35	10	2022	1,663.15	1.42

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

Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
STILLWATER RESERVOIR OPERATION
FOR WEEK ENDING: [February 18, 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 11	1,666.39	1.95	12 AM -Mid	700	1,350	7,840
Sunday 12	1,666.37	1.95	12 AM -Mid	700	1,130	7,880
Monday 13	1,666.28	1.93	12 AM -Mid	700	1,030	7,830
Tuesday 14	1,666.13	1.91	12 AM -Mid	700	986	7,650
Wednesday 15	1,665.95	1.88	12 AM -Mid	700	996	7,060
Thursday 16	1,665.80	1.85	12 AM -Mid	700	1,020	6,640
Friday 17	1,665.70	1.84	12 AM -Mid	700	1,060	6,500
Saturday 18	1,665.71	1.84	12 AM -Mid	700	1,080	6,520

CHANGE IN STORAGE DURING THE WEEK

-0.11

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2018	1,672.14	3.00	6	2020	1,667.05	2.06
2	2014	1,672.06	2.98	7	2021	1,666.06	1.90
3	2019	1,670.39	2.63	8	2023	1,665.71	1.84
4	2017	1,668.58	2.31	9	2022	1,663.56	1.48
5	2016	1,668.29	2.27	10	2015	1,663.11	1.41

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: [February 25, 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 18	1,665.71	1.84	12 AM -Mid	700	1,080	6,520
Sunday 19	1,665.65	1.83	12 AM -Mid	700	1,050	6,460
Monday 20	1,665.53	1.81	12 AM -Mid	700	1,010	6,360
Tuesday 21	1,665.39	1.79	12 AM -Mid	700	951	5,970
Wednesday 22	1,665.22	1.76	12 AM -Mid	700	906	5,340
Thursday 23	1,665.05	1.73	12 AM -Mid	700	932	4,730
Friday 24	1,664.89	1.71	12 AM -Mid	700	855	4,120
Saturday 25	1,664.68	1.67	12 AM -Mid	700	816	3,690

CHANGE IN STORAGE DURING THE WEEK

-0.17

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2018	1,674.16	3.46	6	2022	1,666.48	1.97
2	2014	1,671.05	2.77	7	2020	1,665.02	1.73
3	2019	1,669.48	2.46	8	2023	1,664.68	1.67
4	2017	1,668.46	2.30	9	2021	1,664.39	1.62
5	2016	1,668.45	2.29	10	2015	1,661.89	1.21

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: **February 4, 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 28	1,703.46	0.463	109	1,780.29	0.125	34
Sunday 29	1,703.45	0.462	108	1,780.27	0.124	34
Monday 30	1,703.40	0.456	108	1,780.25	0.124	34
Tuesday 31	1,703.40	0.456	108	1,780.23	0.123	34
Wednesday 1	1,703.37	0.451	107	1,780.19	0.122	34
Thursday 2	1,703.33	0.446	107	1,780.16	0.121	34
Friday 3	1,703.27	0.438	93	1,780.14	0.120	34
Saturday 4	1,703.28	0.439	84	1,780.09	0.119	33
CHANGE IN STORAGE		-0.024			-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	2021	1,703.70	0.493	1	2020	1,781.06	0.148
2	2022	1,703.68	0.491	2	2021	1,780.53	0.132
3	2019	1,703.60	0.479	3	2019	1,780.10	0.119
4	2023	1,703.28	0.439	4	2023	1,780.09	0.119
5	2020	1,703.23	0.434	5	2022	1,780.09	0.119

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: **February 11, 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 4	1,703.28	0.439	84	1,780.09	0.119	33
Sunday 5	1,703.26	0.438	84	1,780.03	0.117	33
Monday 6	1,703.24	0.435	84	1,780.00	0.116	33
Tuesday 7	1,703.23	0.434	84	1,779.96	0.115	33
Wednesday 8	1,703.20	0.430	83	1,779.92	0.114	32
Thursday 9	1,703.19	0.429	84	1,779.88	0.113	33
Friday 10	1,703.28	0.439	84	1,779.98	0.116	34
Saturday 11	1,703.34	0.447	85	1,780.23	0.123	34
CHANGE IN STORAGE		0.008			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	1,703.91	0.518	1	2019	1,780.74	0.138
2	2022	1,703.55	0.518	2	2020	1,780.57	0.133
3	2021	1,703.52	0.473	3	2021	1,780.43	0.129
4	2023	1,703.34	0.469	4	2023	1,780.23	0.123
5	2020	1,703.22	0.447	5	2022	1,779.95	0.115

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: **February 18, 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 11	1,703.34	0.447	85	1,780.23	0.123	34
Sunday 12	1,703.41	0.457	85	1,780.34	0.126	35
Monday 13	1,703.42	0.458	85	1,780.37	0.127	35
Tuesday 14	1,703.39	0.454	85	1,780.39	0.128	35
Wednesday 15	1,703.43	0.459	85	1,780.38	0.128	35
Thursday 16	1,703.39	0.454	86	1,780.37	0.127	35
Friday 17	1,703.46	0.463	86	1,780.44	0.129	35
Saturday 18	1,703.52	0.469	87	1,780.63	0.135	36
CHANGE IN STORAGE		0.023			0.012	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	1,703.78	0.502	1	2023	1,780.63	0.135
2	2022	1,703.72	0.496	2	2019	1,780.36	0.127
3	2023	1,703.52	0.469	3	2021	1,780.32	0.126
4	2021	1,703.35	0.448	4	2022	1,780.13	0.120
5	2020	1,703.02	0.406	5	2020	1,779.96	0.115

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: **February 25, 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 18	1,703.52	0.469	87	1,780.63	0.135	36
Sunday 19	1,703.55	0.473	87	1,780.72	0.138	36
Monday 20	1,703.56	0.474	87	1,780.75	0.139	36
Tuesday 21	1,703.55	0.473	87	1,780.76	0.139	36
Wednesday 22	1,703.52	0.469	87	1,780.76	0.139	36
Thursday 23	1,703.59	0.478	87	1,780.77	0.139	36
Friday 24	1,703.57	0.476	87	1,780.78	0.140	36
Saturday 25	1,703.59	0.478	87	1,780.76	0.139	36
CHANGE IN STORAGE		0.009			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	2022	1,703.95	0.524	1	2022	1,781.32	0.156
2	2023	1,703.59	0.478	2	2023	1,780.76	0.139
3	2019	1,703.47	0.464	3	2021	1,780.22	0.123
4	2021	1,703.09	0.415	4	2019	1,779.76	0.109
5	2020	1,702.84	0.384	5	2020	1,779.41	0.099

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