

REPORT OF CHIEF ENGINEER
HUDSON RIVER - BLACK RIVER REGULATING DISTRICT
BOARD MEETING
NOVEMBER 7, 2023 – MAYFIELD, NEW YORK

HUDSON RIVER AREA - OCTOBER SUMMARY

Reservoir Operation

Great Sacandaga Lake

The October average daily release from the Sacandaga Reservoir (Great Sacandaga Lake) was approximately 2,520 cubic feet per second (cfs). The Upper Hudson / Sacandaga River Offer of Settlement target elevation for October 31 is 757.47 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
Sept. 30	760.45	+4.18	+0.20	0	1,330
Oct. 31	757.5 (e)	+2.5 (e)	+0.0 (e)	0	1,300 (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 October average daily release from Indian Lake was approximately 256 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	
Sept. 30	1,645.17	+1.03	+0.02	155
Oct. 31	1,642.7 (e)	-1.6 (e)	-1.2 (e)	221 (e)

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

⁽²⁾ "(e)" represents estimated value

HUDSON RIVER AREA - OCTOBER SUMMARY- continued

River Flow

Hudson River flow, downstream of the confluence with the Sacandaga River, was approximately 5,150 cfs on October 22 and approximately 960 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	643 (e)	776
Sacandaga at Stewarts Bridge	2,520 (e)	1,920
Indian at Indian Lake Dam	256 (e)	264
Hudson at Hadley (1)	3,180 (e)	2,030

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

Precipitation

Monthly total precipitation measured 74%, 77%, and 140% of historic average at Indian Lake, Mayfield, and Conklingville, respectively, as of October 23

Table 4.0 - *Hudson River Basin Precipitation - as of October 22*

Station	Monthly Total (inch)	Historic Average (inch)
Indian Lake	3.28	4.42
Mayfield	3.06	3.965
Conklingville	5.11	3.66

HUDSON RIVER AREA - OCTOBER SUMMARY- continued

Operation Overview

Precipitation during the month of October was above normal across the Great Sacandaga Lake watershed and below normal in the Indian Lake watershed. The monthly inflow to Great Sacandaga Lake and Indian Lake reservoir was approximately 90% and 37% of historic average, respectively. Monthly release of water from Great Sacandaga Lake and Indian Lake measured 132% and 100% of historic average, respectively.

Great Sacandaga Lake Operation

Great Sacandaga Lake operation summary report for the period October 1, 2023 through October 23, 2023 is attached. This report includes projected and forecast values for dates after October 23, 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 – OCTOBER SUMMARY

Reservoir Operations

Stillwater Reservoir

The October average daily release from Stillwater Reservoir was approximately 470 cfs. The maximum discharge for the month was 600 cfs.

Table 1.0 - *Stillwater Reservoir Elevation and Release*

Date	Daily Average Elevation (ft, NAVD)	Deviation from Average Elevation (ft) (1)	Release (cfs)
Sept. 30	1,670.95	+0.94	500
Oct. 31	1,669.7 (e)	+0.2 (e)	600 (e)

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

Sixth Lake Reservoir

The October average daily release from Sixth Lake Reservoir was approximately 49 cfs.

Table 2.0 - *Sixth Lake Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
Sept. 30	1,785.91	+0.66	10
Oct. 31	1,783.7 (e)	-0.5 (e)	40 (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 October average daily release from Old Forge Reservoir was approximately 68 cfs.

Table 3.0 - *Old Forge Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
Sept. 30	1,706.86	+0.24	20
Oct. 31	1,705.7 (e)	+0.1 (e)	68 (e)

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

BLACK RIVER AREA - OCTOBER SUMMARY - continued

River Flow

The average daily Black River flow, as measured at the Watertown gauge, was approximately 3,210 cfs on October 22.

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

River	Monthly Average Flow (cfs)	Historic Average Flow (1) (cfs)
Moose at McKeever	540 (e)	744
Beaver at Croghan	770 (e)	535
Black at Watertown	3,480 (e)	3,370

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 131%, 70%, 73% of historic average at Stillwater, Old Forge, and Sixth Lake, respectively, as of October 22.

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

Station	Monthly Total (inch)	Historic Average (inch)
Stillwater	6.61 (e)	5.07
Old Forge	3.64 (e)	5.17
Sixth Lake	3.47 (e)	4.78

BLACK RIVER AREA - OCTOBER SUMMARY - continued

Operation Overview

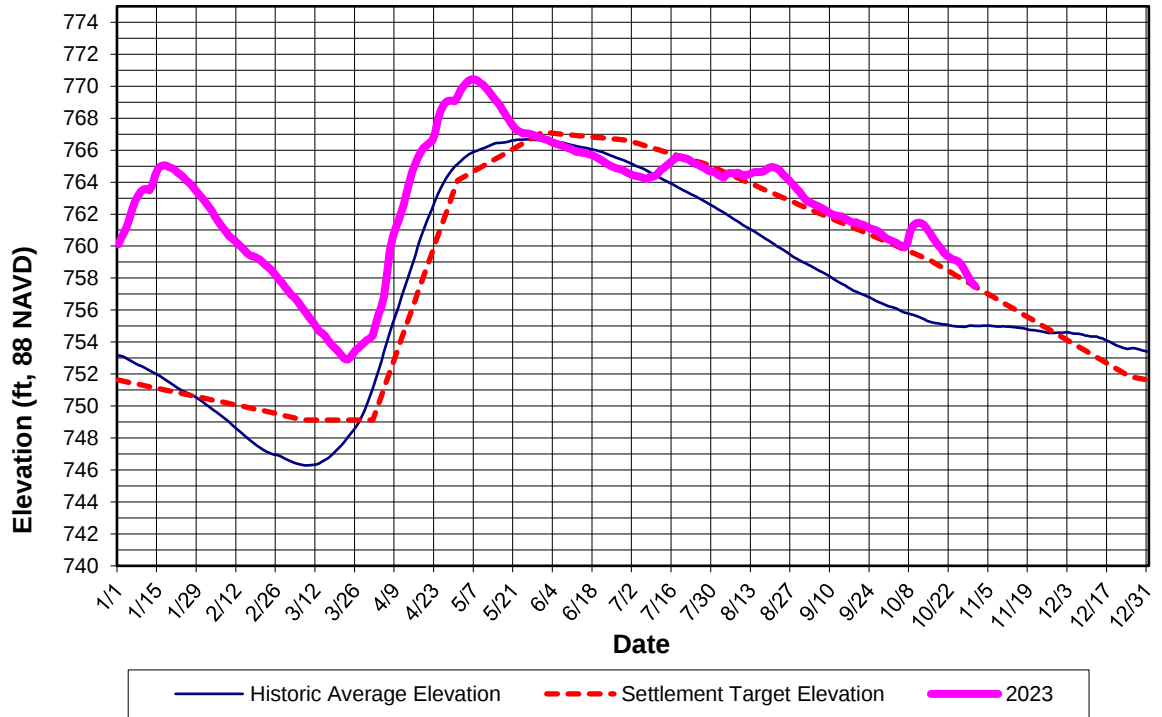
Precipitation in the month of October was above average at Stillwater, and below average at Old Forge Reservoir and at Sixth Lake Reservoir. The monthly inflow to Stillwater Reservoir was approximately 103% of historic average. The inflow to Sixth Lake and Old Forge Reservoir totaled 0.07 and 0.13 billion cubic feet, respectively, in October. Release of water from Stillwater Reservoir averaged 142% of historic discharge.

Black River Area Staff Activities

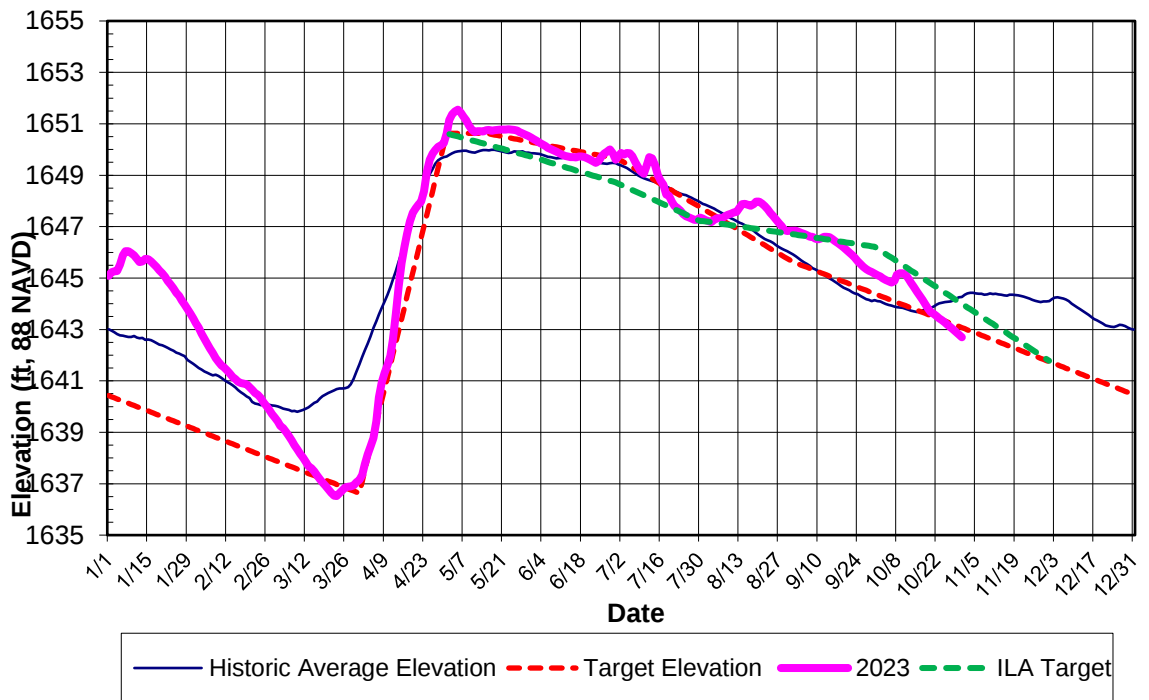
A summary of Regulating District staff activities and work projects at the dam facilities is attached in the Superintendent's Report.

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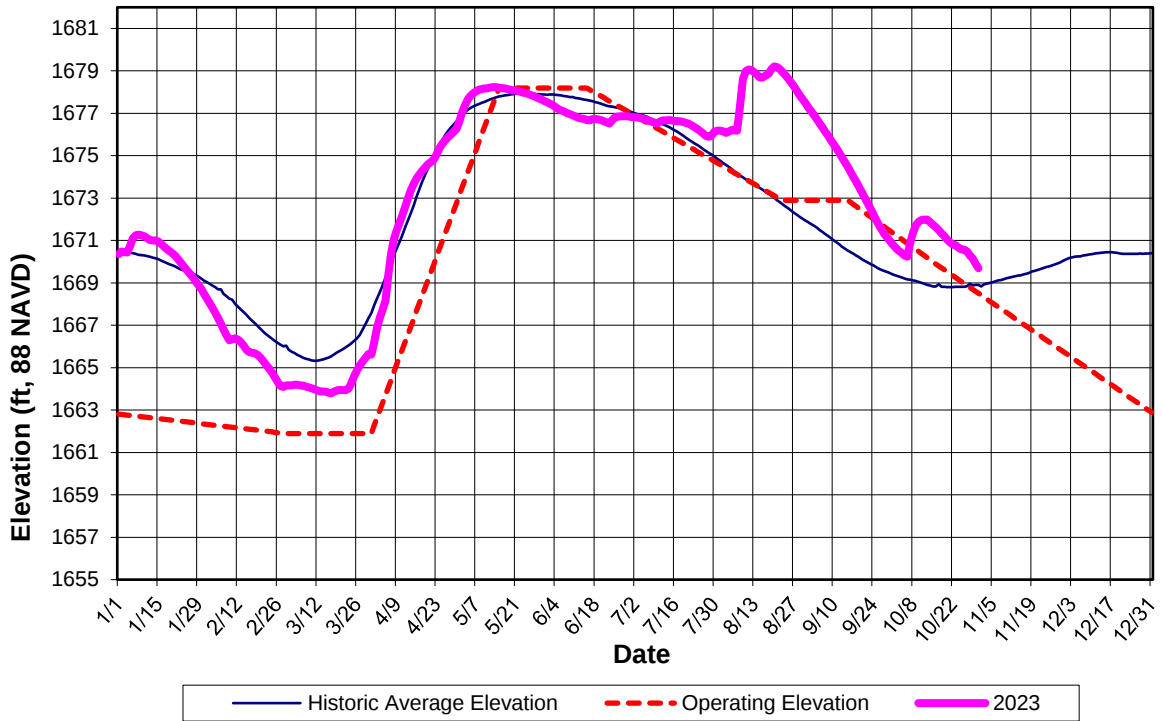
Great Sacandaga Lake 2023 Reservoir Elevation



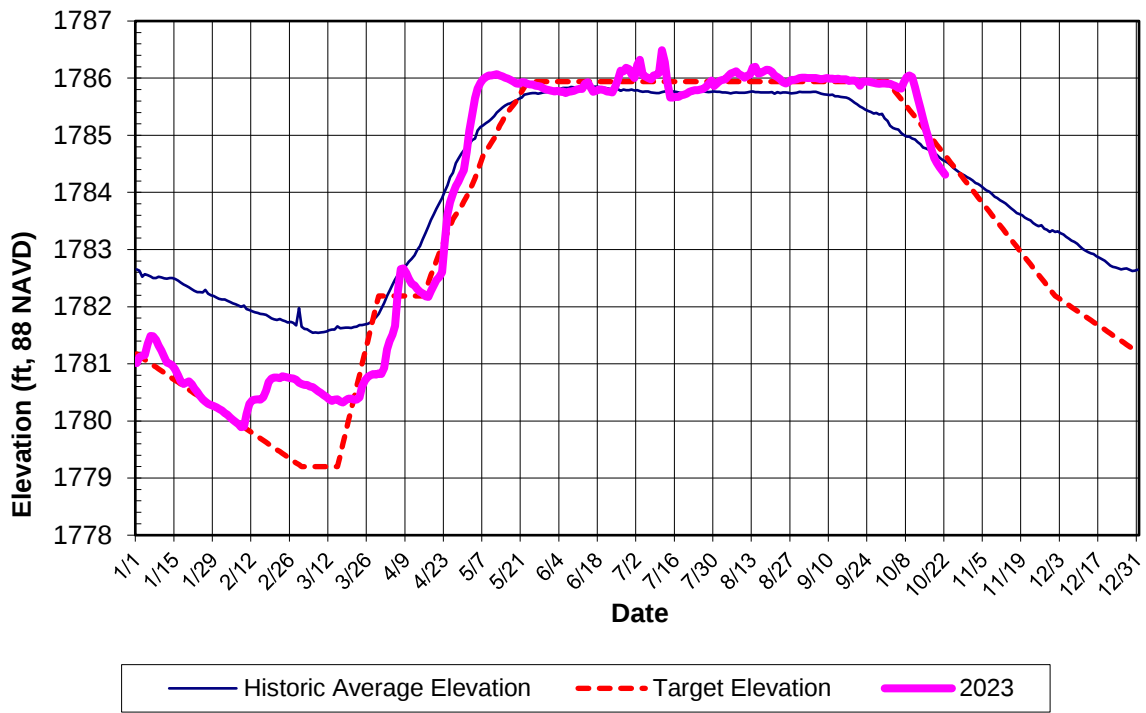
Indian Lake 2023 Reservoir Elevation



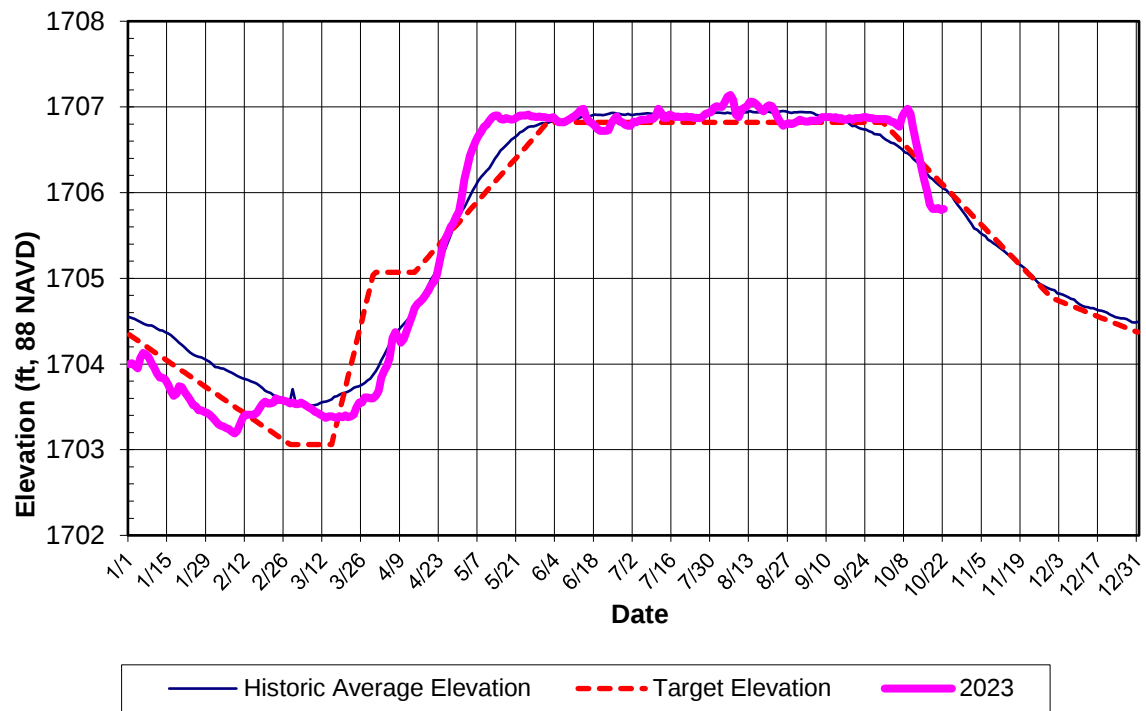
Stillwater Reservoir 2023 Reservoir Elevation



Sixth Lake 2023 Reservoir Elevation



Old Forge 2023 Reservoir Elevation



Hawkinsville Dam Remediation – Construction Substantial Completion

Remediation construction of Hawkinsville Dam is Substantially Complete. The facility features a new earth embankment dam, concrete abutments, an additional 20 feet of concrete spillway, concrete intake headwall, outlet gate, discharge pipe, and an accessible fishing platform.



Earth Embankment Dam



East Abutment



West Abutment



New Spillway Section



Headwall, Outlet Gate, and Discharge Pipe



Accessible Fishing Platform.

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

- Road maintenance, raked, trimming roadsides
- Vehicle/equipment maintenance
- Serviced mowing equipment
- Fall clean up at BRFO started
- Manually tested High Water and Flood float switches
- Inspection of Gate #4 and #3 with MM
- Installed new trail camera at SW Dam
- Continued mowing at facilities
- Greased/serviced stopgate
- Continue bridge rail project
- Installed new carburetor on operator at SW Dam
- Attended LEPC meeting
- 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.

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

Activity report for October 2023

SFO

- Performed lawn maintenance of facility.
- Cleaned offices and conference room weekly.
- Performed maintenance on vehicles and equipment.
- Treated the docks with waterproofing and stored them for the winter.
- Assisted the permit staff in stakeouts and taking line clearing.
- Removed damaged top deck steel sheets on the workboat.
- Hauled steel beams from Hawkinsville Dam to SFO.

Indian Lake

- Moved the Sutron and components from the control house to the temporary station.
- Relocated the camera to the new Telco station.

Conklingville Dam

- Read and reported piezometer data including spillway and toe observations daily.
- Performed lawn maintenance on the dam and park.
- Performed maintenance on vehicles and equipment.
- Performed a monthly dow valve test.
- Gave a tour of the dam to a group from RPI College.

Respectfully,

Matthew Ginter

Operations Manager

SACANDAGA RESERVOIR ELEVATION CALCULATOR

Datum:
1988 NAVD

Settlement Parameters			
Date	10/24/2023		
Target Elevation	758.19		
Actual "Level"	3.13		
"Level 2.5 threshold"			
"Level 1.2 threshold"	742.26		
Hudson River Target	Elevation	Level	
Maximum Flow (cfs)	8000	7760	Rafting Release at Abanakee
Minimum Flow (cfs)	n/a	2260	North Crk T, Th, Sa., Su.
Min. Rec/Rafting Hours (hrs)	#VALUE!		

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	10/24/2023
Day of Year	6141
Starting Elevation (ft)	759.08
Average Elevation	759.03
Flow Below Hadley (cfs)	4800
Todays Release	2000
Tomorrows Release	2000

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 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.)	Maximum (Table E - Level)					
10/1/2023	760.41	300	1320	0	0	1320	4000	3.01	966	2286	2020	8000	7520	760.32	10/2/2023	760.37	760.17	756.20
10/2/2023	760.32	400	1280	0	0	1280	4000	3.01	892	2172	2020	8000	7520	760.24	10/3/2023	760.28	760.10	756.15
10/3/2023	760.24	500	1300	0	0	1300	4000	3.01	774	2074	2020	8000	7520	760.17	10/4/2023	760.21	760.02	756.10
10/4/2023	760.17	200	1350	0	0	1350	4000	3.01	884	2234	2020	8000	7520	760.07	10/5/2023	760.12	759.95	756.01
10/5/2023	760.07	300	1450	0	0	1450	4000	3.01	740	2190	2020	8000	7520	759.97	10/6/2023	760.02	759.87	755.92
10/6/2023	759.97	700	1600	0	0	1600	4000	3.01	847	2447	2020	8000	7520	759.89	10/7/2023	759.93	759.80	755.84
10/7/2023	759.89	8800	1380	0	0	1380	4000	3.04	3200	4580	2080	8000	7580	760.50	10/8/2023	760.20	759.72	755.79
10/8/2023	760.50	8600	416	0	0	416	4000	3.08	10500	10916	2140	8000	7640	761.17	10/9/2023	760.84	759.65	755.74
10/9/2023	761.17	2300	411	0	0	411	4000	3.11	8910	9321	2220	8000	7720	761.32	10/10/2023	761.25	759.57	755.69
10/10/2023	761.32	2600	433	0	0	433	4000	3.15	6910	7343	2300	8000	7800	761.49	10/11/2023	761.41	759.50	755.64
10/11/2023	761.49	1800	1910	0	0	1910	4000	3.15	5800	7710	2300	8000	7800	761.48	10/12/2023	761.49	759.42	755.58
10/12/2023	761.48	1100	2750	0	0	2750	4000	3.16	5130	7880	2320	8000	7820	761.34	10/13/2023	761.41	759.35	755.49
10/13/2023	761.34	1600	3150	0	0	3150	4000	3.15	4550	7700	2300	8000	7800	761.21	10/14/2023	761.28	759.27	755.40
10/14/2023	761.21	800	3910	0	0	3910	4000	3.14	4050	7960	2280	8000	7780	760.95	10/15/2023	761.08	759.20	755.32
10/15/2023	760.95	900	3930	0	0	3930	4000	3.13	3660	7590	2260	8000	7760	760.70	10/16/2023	760.83	759.12	755.26
10/16/2023	760.70	800	3960	0	0	3960	4000	3.12	3330	7290	2240	8000	7740	760.43	10/17/2023	760.57	759.02	755.21
10/17/2023	760.43	800	3850	0	0	3850	4000	3.12	3060	6910	2220	8000	7720	760.17	10/18/2023	760.30	758.91	755.17
10/18/2023	760.17	600	3900	0	0	3900	4000	3.11	2880	6780	2200	8000	7700	759.89	10/19/2023	760.03	758.81	755.15
10/19/2023	759.89	900	2730	0	0	2730	4000	3.10	2740	5470	2200	8000	7700	759.73	10/20/2023	759.81	758.71	755.12
10/20/2023	759.73	500	3930	0	0	3930	4000	3.09	2590	6520	2180	8000	7680	759.44	10/21/2023	759.59	758.61	755.08
10/21/2023	759.44	2200	3910	0	0	3910	4000	3.08	2660	6570	2160	8000	7660	759.29	10/22/2023	759.37	758.50	755.06
10/22/2023	759.29	700	1990	0	0	1990	4000	3.08	3160	5150	2140	8000	7640	759.18	10/23/2023	759.24	758.40	755.04
10/23/2023	759.18	800	1890	0	0	1890	4000	3.07	2990	4880	2120	8000	7620	759.08	10/24/2023	759.13	758.30	755.00
10/24/2023	759.08	800	2000	0	0	2000	4000	3.06	2800	4800	2100	8000	7600	758.97	10/25/2023	759.03	758.19	754.97
10/25/2023	758.97	700	2000	0	0	2000	4000	3.05	2600	4600	2100	8000	7600	758.86	10/26/2023	758.92	758.09	754.95
10/26/2023	758.86	700	4000	0	0	4000	4000	3.04	2400	6400	2080	8000	7580	758.58	10/27/2023	758.72	757.99	754.94
10/27/2023	758.58	600	4000	0	0	4000	4000	3.03	2200	6200	2060	8000	7560	758.29	10/28/2023	758.44	757.89	754.92
10/28/2023	758.29	600	4000	0	0	4000	4000	3.03	2000	6000	2040	8000	7540	758.00	10/29/2023	758.15	757.78	754.95
10/29/2023	758.00	500	4000	0	0	4000	4000	3.02	1900	5900	2020	8000	7520	757.70	10/30/2023	757.85	757.68	755.01
10/30/2023	757.70	500	4000	0	0	4000	4000	3.01	1800	5800	2000	8000	7500	757.40	10/31/2023	757.55	757.58	754.99
10/31/2023	757.40	500	1300	0	0	1300	4000	3.00	1700	3000	2000	8000	7500	757.33	11/1/2023	757.37	757.47	754.99
11/1/2023	757.33	500	1300	0	0	1300	4000	3.00	1600	2900	2000	8000	7500	757.26	11/2/2023	757.27	757.27	754.99
6/6/2020	767.29	500	2000	0	0	2000	5487	3.00	3000	5000	2000	8000	7500	777.12	3/15/2019	#N/A	#N/A	#N/A

Signature:_____

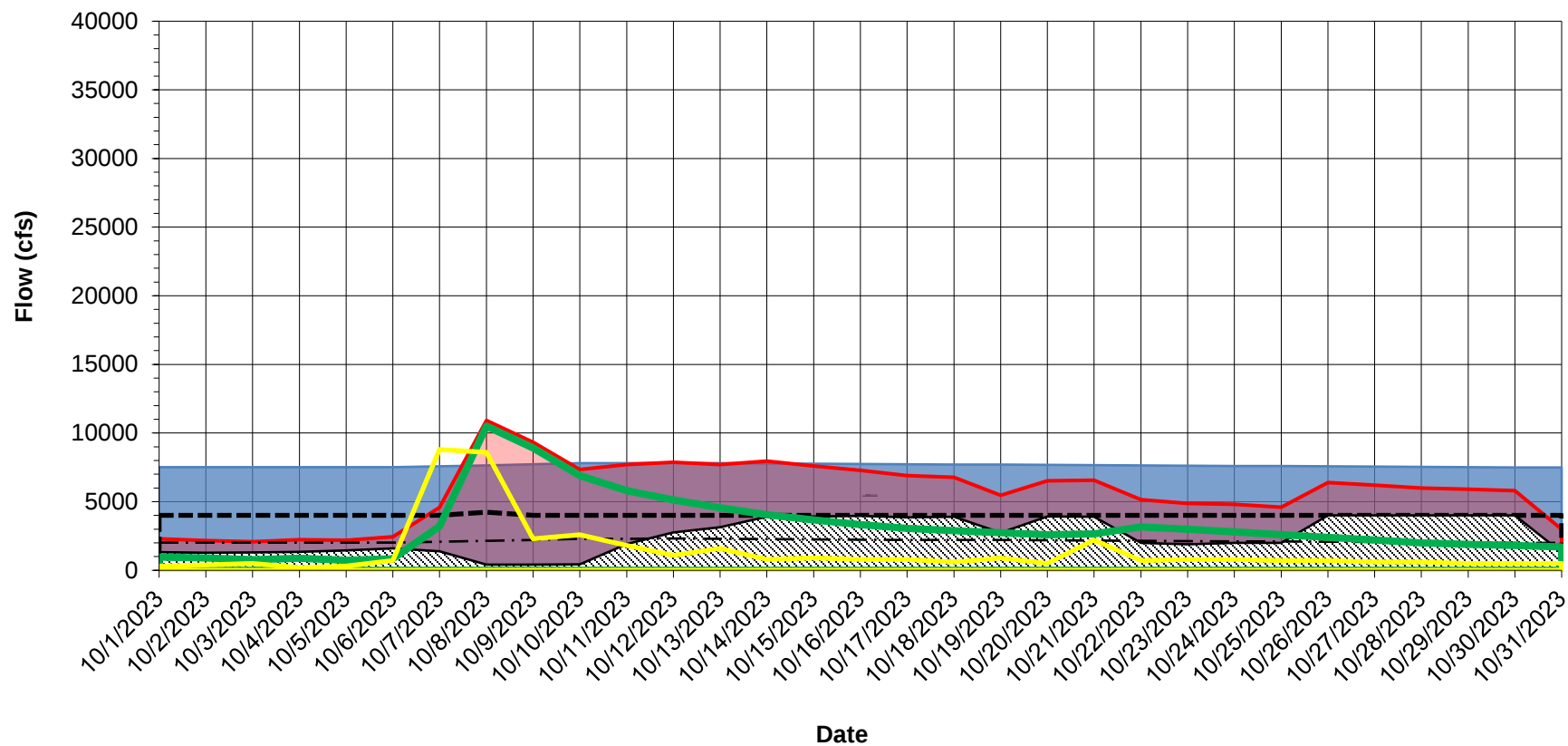
Date:_____

**GREAT SACANDAGA LAKE
RESERVOIR OPERATION SUMMARY**

Print Date: 10/24/2023
Period of Record: 10/1/2023 to 10/29/2023

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
10/1/2023	760.37	300	1320	4000	3.01	966	2286	2020	7520	4000
10/2/2023	760.28	400	1280	4000	3.01	892	2172	2020	7520	4000
10/3/2023	760.21	500	1300	4000	3.01	774	2074	2020	7520	4000
10/4/2023	760.12	200	1350	4000	3.01	884	2234	2020	7520	4000
10/5/2023	760.02	300	1450	4000	3.01	740	2190	2020	7520	4000
10/6/2023	759.93	700	1600	4000	3.01	847	2447	2020	7520	4000
10/7/2023	760.20	8800	1380	4000	3.04	3200	4580	2080	7580	4000
10/8/2023	764.67	8600	416	4233	3.08	10500	10916	2140	7640	4000
10/9/2023	761.25	2300	411	4000	3.11	8910	9321	2220	7720	4000
10/10/2023	761.41	2600	433	4000	3.15	6910	7343	2300	7800	4000
10/11/2023	761.49	1800	1910	4000	3.15	5800	7710	2300	7800	4000
10/12/2023	761.41	1100	2750	4000	3.16	5130	7880	2320	7820	4000
10/13/2023	761.28	1600	3150	4000	3.15	4550	7700	2300	7800	4000
10/14/2023	761.08	800	3910	4000	3.14	4050	7960	2280	7780	4000
10/15/2023	760.83	900	3930	4000	3.13	3660	7590	2260	7760	4000
10/16/2023	760.57	800	3960	4000	3.12	3330	7290	2240	7740	4000
10/17/2023	760.30	800	3850	4000	3.12	3060	6910	2220	7720	4000
10/18/2023	760.03	600	3900	4000	3.11	2880	6780	2200	7700	4000
10/19/2023	759.81	900	2730	4000	3.10	2740	5470	2200	7700	4000
10/20/2023	759.59	500	3930	4000	3.09	2590	6520	2180	7680	4000
10/21/2023	759.37	2200	3910	4000	3.08	2660	6570	2160	7660	4000
10/22/2023	759.24	700	1990	4000	3.08	3160	5150	2140	7640	4000
10/23/2023	759.13	800	1890	4000	3.07	2990	4880	2120	7620	4000
10/24/2023	759.03	800	2000	4000	3.06	2800	4800	2100	7600	4000
10/25/2023	758.92	700	2000	4000	3.05	2600	4600	2100	7600	4000
10/26/2023	758.72	700	4000	4000	3.04	2400	6400	2080	7580	4000
10/27/2023	758.44	600	4000	4000	3.03	2200	6200	2060	7560	4000
10/28/2023	758.15	600	4000	4000	3.03	2000	6000	2040	7540	4000
10/29/2023	757.85	500	4000	4000	3.02	1900	5900	2020	7520	4000
10/30/2023	757.55	500	4000	4000	3.01	1800	5800	2000	7500	4000
10/31/2023	757.37	500	1300	4000	3.00	1700	3000	2000	7500	4000

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

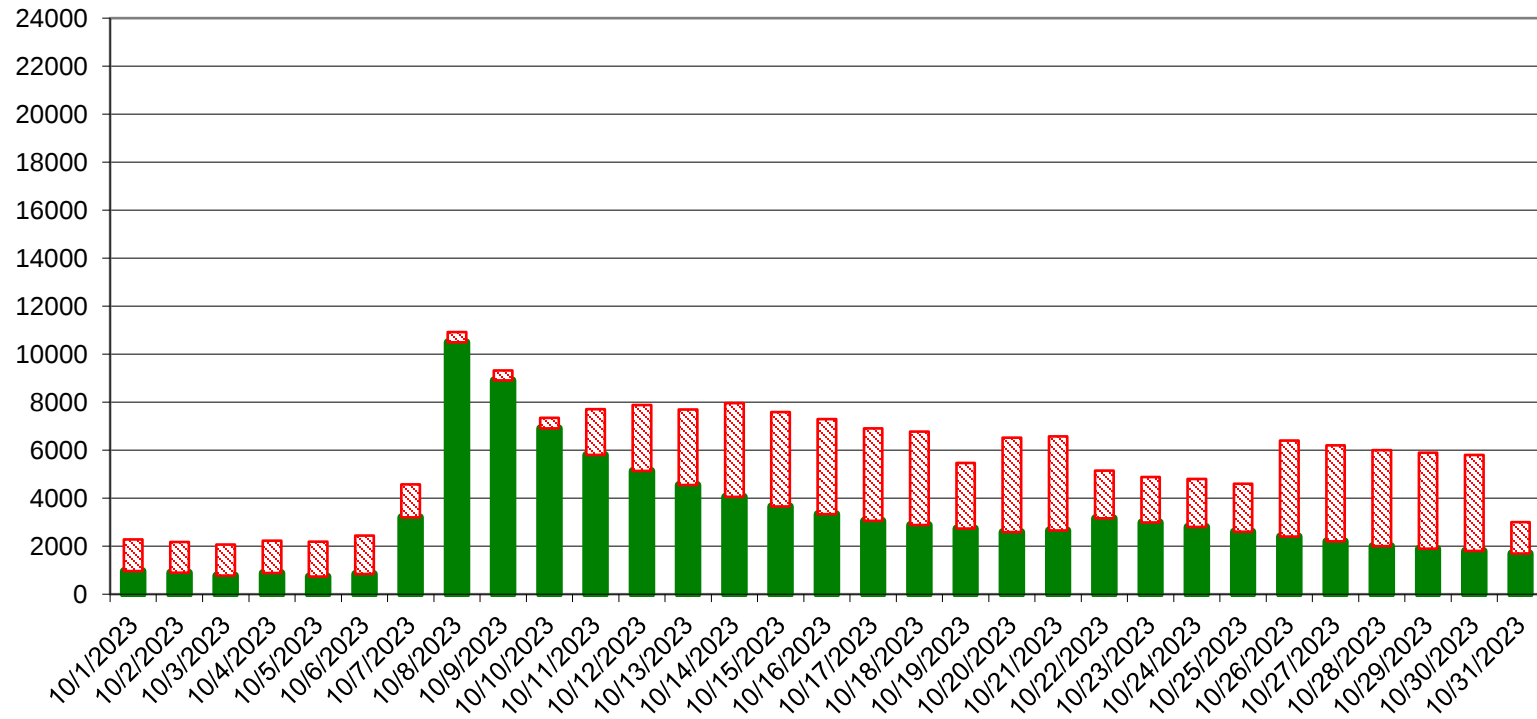


■ Maximum Allowable Hudson River Flow Below Confluence
■ Maximum Allowable Sacandaga River Flow
■ Minimum Allowable Hudson River Flow Below Confluence
■ Great Sacandaga Lake Inflow

■ 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

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

Monthly Report for: September 2023

Day	Sacandaga Reservoir Elevation Average Daily	Sacandaga Reservoir Elevation Midnight	Sacandaga River Near Hope cfs	Reservoir Inflow Hope x 2.3870 cfs	Sacandaga River at Stewarts Bridge cfs	Hudson River at Hadley cfs	Regulated Hudson River below confluence cfs
1	762.91	763.02	558	1332	3930	2420	6350
2	762.78	762.82	467	1115	1600	2120	3720
3	762.69	762.75	416	993	1600	1880	3480
4	762.61	762.63	322	769	1610	1680	3290
5	762.53	762.57	313	747	1470	1580	3050
6	762.45	762.47	309	738	1470	1480	2950
7	762.36	762.42	286	683	1770	1350	3120
8	762.26	762.32	282	673	1740	1510	3250
9	762.13	762.21	278	664	1710	1640	3350
10	762.03	762.06	314	750	1720	1680	3400
11	761.96	762.04	392	936	1720	1700	3420
12	761.91	761.92	737	1759	1740	1750	3490
13	761.88	761.88	633	1511	1730	2040	3770
14	761.85	761.84	839	2003	1550	2380	3930
15	761.71	761.80	655	1563	2150	2280	4430
16	761.64	761.68	545	1301	1900	2040	3940
17	761.54	761.57	429	1024	1890	1960	3850
18	761.47	761.38	464	1108	1000	1840	2840
19	761.49	761.43	458	1093	1150	1750	2900
20	761.40	761.45	405	967	1000	1770	2770
21	761.34	761.31	359	857	977	1590	2567
22	761.28	761.26	325	776	985	1580	2565
23	761.19	761.23	299	714	1300	1420	2720
24	761.09	761.15	281	671	998	1450	2448
25	761.05	761.05	264	630	1120	1350	2470
26	760.98	761.02	247	590	1170	1230	2400
27	760.89	760.96	232	554	1780	1260	3040
28	760.72	760.78	220	525	2230	1090	3320
29	760.56	760.66	210	501	2120	1130	3250
30	760.45	760.43	203	485	1330	920	2250

AVERAGE			391	934	1620	1660	3280
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CHANGE IN STORAGE DURING THE MONTH

-2.79 B.C.F.

CHIEF ENGINEER

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

Monthly Report for: September, 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	1646.84	1646.84	160	160	204	826
2	1646.84	1646.84	139	160	185	844
3	1646.80	1646.83	13	159	170	703
4	1646.76	1646.76	117	159	156	656
5	1646.72	1646.74	66	158	144	611
6	1646.67	1646.70	39	157	134	486
7	1646.61	1646.64	158	158	127	644
8	1646.61	1646.64	20	158	133	576
9	1646.53	1646.57	98	157	136	729
10	1646.51	1646.54	78	157	133	680
11	1646.54	1646.50	335	158	169	643
12	1646.61	1646.59	203	203	209	850
13	1646.61	1646.60	264	225	202	905
14	1646.59	1646.62	126	224	198	1050
15	1646.52	1646.56	70	247	191	843
16	1646.43	1646.47	81	258	163	878
17	1646.35	1646.38	120	258	137	756
18	1646.28	1646.31	120	258	128	649
19	1646.20	1646.24	101	258	125	790
20	1646.10	1646.16	22	258	118	628
21	1646.00	1646.04	119	257	116	717
22	1645.90	1645.97	-1	255	114	562
23	1645.79	1645.84	19	255	99	665
24	1645.66	1645.72	19	255	90	582
25	1645.55	1645.61	77	254	84	468
26	1645.44	1645.51	17	253	77	585
27	1645.35	1645.39	27	184	72	391
28	1645.29	1645.31	37	155	66	492
29	1645.23	1645.25	57	155	62	312
30	1645.17	1645.20	17	155	59	452

AVERAGE	91	204	133	666
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CHANGE IN STORAGE DURING THE MONTH -0.293 B.C.F

CHIEF ENGINEER

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

Monthly Report for: September 2023

Day	Stillwater Reservoir Elevation Average Daily	Stillwater Reservoir Elevation Midnight	Stillwater Reservoir Net Inflow cfs	Stillwater Reservoir Release cfs	Black River at Boonville cfs	Beaver River at Croghan cfs	Regulated Black River at Watertown cfs
1	1677.28	1677.45	308	883	710	1130	3900
2	1677.10	1677.26	194	800	542	1080	3650
3	1676.92	1677.06	295	800	464	941	3160
4	1676.73	1676.89	241	800	432	904	2740
5	1676.54	1676.70	241	800	402	900	2620
6	1676.35	1676.51	182	800	344	850	2300
7	1676.14	1676.30	241	800	301	993	2360
8	1675.95	1676.11	219	800	550	958	2400
9	1675.73	1675.91	228	800	626	922	2550
10	1675.53	1675.71	171	800	719	970	2790
11	1675.33	1675.49	228	800	614	923	3010
12	1675.11	1675.29	142	800	511	939	2870
13	1674.91	1675.06	271	800	500	949	2690
14	1674.69	1674.87	195	800	435	1020	2900
15	1674.47	1674.65	140	800	354	1040	2880
16	1674.22	1674.41	113	800	317	1030	2630
17	1673.98	1674.16	175	800	300	968	2390
18	1673.75	1673.93	113	800	311	823	2230
19	1673.50	1673.67	192	800	323	916	2070
20	1673.26	1673.44	139	800	303	954	2140
21	1673.01	1673.19	145	800	298	958	2180
22	1672.75	1672.94	139	800	276	914	2170
23	1672.49	1672.68	165	800	261	854	2040
24	1672.23	1672.43	88	800	244	921	1900
25	1671.96	1672.15	101	800	251	911	1920
26	1671.69	1671.87	122	683	239	868	1890
27	1671.48	1671.64	87	600	228	870	1860
28	1671.28	1671.43	102	542	222	756	1780
29	1671.12	1671.25	109	500	210	562	1660
30	1670.95	1671.09	116	500	224	506	1360

AVERAGE	173	764	380	910	2430
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CHANGE IN STORAGE DURING THE MONTH

-1.53 B.C.F.

CHIEF ENGINEER

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

Monthly Report for: September, 2023

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1786.01	1786.01	10	0.17	0.00	10
2	1786.00	1786.00	10	0.17	0.00	10
3	1786.00	1785.99	10	0.17	0.00	10
4	1786.00	1786.01	10	0.17	0.00	10
5	1786.00	1786.00	10	0.17	0.00	10
6	1785.99	1785.98	10	0.17	0.00	10
7	1785.98	1785.98	10	0.17	0.00	10
8	1785.99	1786.00	10	0.17	0.00	10
9	1786.00	1785.99	10	0.17	0.00	10
10	1785.99	1786.00	10	0.17	0.00	10
11	1785.99	1785.99	10	0.17	0.00	10
12	1785.98	1785.99	10	0.17	0.00	10
13	1785.99	1785.99	10	0.17	0.00	10
14	1785.98	1785.99	10	0.17	0.00	10
15	1785.98	1785.97	10	0.17	0.00	10
16	1785.98	1785.97	10	0.17	0.00	10
17	1785.95	1785.95	10	0.17	0.00	10
18	1785.96	1785.96	10	0.17	0.00	10
19	1785.96	1785.96	10	0.17	0.00	10
20	1785.94	1785.96	10	0.17	0.00	10
21	1785.87	1785.96	10	0.17	0.00	10
22	1785.94	1785.94	10	0.17	0.00	10
23	1785.94	1785.94	10	0.17	0.00	10
24	1785.94	1785.94	10	0.17	0.00	10
25	1785.93	1785.93	10	0.17	0.00	10
26	1785.92	1785.92	10	0.17	0.00	10
27	1785.91	1785.91	10	0.17	0.00	10
28	1785.90	1785.90	10	0.17	0.00	10
29	1785.91	1785.90	10	0.17	0.00	10
30	1785.91	1785.92	10	0.17	0.00	10

AVERAGE 10 10

CHANGE IN STORAGE DURING THE MONTH -0.004 B.C.F

CHIEF ENGINEER

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

Monthly Report for: September, 2023

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1706.84	1706.85	5	0.17	0.25	20
2	1706.83	1706.84	-10	0.17	0.25	20
3	1706.83	1706.82	50	0.17	0.25	20
4	1706.84	1706.84	20	0.17	0.25	20
5	1706.84	1706.84	20	0.17	0.25	20
6	1706.84	1706.84	35	0.17	0.25	20
7	1706.84	1706.85	80	0.17	0.25	20
8	1706.88	1706.89	-10	0.17	0.25	20
9	1706.88	1706.87	50	0.17	0.25	20
10	1706.88	1706.89	5	0.17	0.25	20
11	1706.88	1706.88	20	0.17	0.25	20
12	1706.87	1706.88	5	0.17	0.25	20
13	1706.88	1706.87	35	0.17	0.25	20
14	1706.86	1706.88	5	0.17	0.25	20
15	1706.87	1706.87	5	0.17	0.25	20
16	1706.85	1706.86	5	0.17	0.25	20
17	1706.85	1706.85	35	0.17	0.25	20
18	1706.87	1706.86	20	0.17	0.25	20
19	1706.85	1706.86	35	0.17	0.25	20
20	1706.87	1706.87	20	0.17	0.25	20
21	1706.87	1706.87	20	0.17	0.25	20
22	1706.87	1706.87	20	0.17	0.25	20
23	1706.88	1706.87	20	0.17	0.25	20
24	1706.88	1706.87	20	0.17	0.25	20
25	1706.87	1706.87	20	0.17	0.25	20
26	1706.87	1706.87	5	0.17	0.25	20
27	1706.86	1706.86	5	0.17	0.25	20
28	1706.86	1706.85	35	0.17	0.25	20
29	1706.86	1706.86	20	0.17	0.25	20
30	1706.86	1706.86	5	0.17	0.25	20

AVERAGE 20 20

CHANGE IN STORAGE DURING THE MONTH 0.000 B.C.F

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
SACANDAGA RESERVOIR OPERATION
FOR WEEK ENDING: October 7, 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 30	760.43	26.98	12 AM - Mid	1,330	920	2,250
Sunday 1	760.41	26.96	12 AM - Mid	1,320	966	2,286
Monday 2	760.32	26.86	12 AM - Mid	1,280	892	2,172
Tuesday 3	760.27	26.81	12 AM - Mid	1,300	774	2,074
Wednesday 4	760.17	26.71	12 AM - Mid	1,350	884	2,234
Thursday 5	760.08	26.61	12 AM - Mid	1,450	740	2,190
Friday 6	759.97	26.50	12 AM - Mid	1,600	847	2,447
Saturday 7	759.90	26.43	12 AM - Mid	1,380	3,200	4,580
CHANGE IN STORAGE DURING THE WEEK		-0.55	* 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	2021	760.55	27.11	6	2018	758.94	25.43
2	2023	759.90	26.43	7	2015	757.90	24.36
3	2017	759.53	26.04	8	2022	757.28	23.74
4	2019	759.26	25.76	9	2016	755.42	21.88
5	2014	759.23	25.73	10	2020	754.95	21.42

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: October 14, 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 7	759.90	26.43	12 AM - Mid	1,380	3,200	4,580
Sunday 8	760.50	27.05	12 AM - Mid	416	10,500	10,916
Monday 9	761.17	27.76	12 AM - Mid	411	8,910	9,321
Tuesday 10	761.33	27.93	12 AM - Mid	433	6,910	7,343
Wednesday 11	761.53	28.14	12 AM - Mid	1,910	5,800	7,710
Thursday 12	761.45	28.06	12 AM - Mid	2,750	5,130	7,880
Friday 13	761.37	27.97	12 AM - Mid	3,150	4,550	7,700
Saturday 14	761.25	27.84	12 AM - Mid	3,910	4,050	7,960
CHANGE IN STORAGE DURING THE WEEK		1.42	* 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	761.25	27.84	6	2014	758.73	25.21
2	2021	759.64	26.16	7	2015	757.90	24.36
3	2018	759.37	25.87	8	2022	756.86	23.31
4	2017	759.15	25.65	9	2016	754.48	20.96
5	2019	759.13	25.62	10	2020	754.20	20.69

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: October 21, 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 14	761.25	27.84	12 AM - Mid	3,910	4,050	7,960
Sunday 15	760.94	27.52	12 AM - Mid	3,930	3,660	7,590
Monday 16	760.68	27.24	12 AM - Mid	3,960	3,330	7,290
Tuesday 17	760.40	26.95	12 AM - Mid	3,850	3,060	6,910
Wednesday 18	760.17	26.71	12 AM - Mid	3,900	2,880	6,780
Thursday 19	759.88	26.40	12 AM - Mid	2,730	2,740	5,470
Friday 20	759.75	26.27	12 AM - Mid	3,930	2,590	6,520
Saturday 21	759.43	25.94	12 AM - Mid	3,910	2,660	6,570
CHANGE IN STORAGE DURING THE WEEK		-1.91	* 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	761.23	27.82	6	2014	758.52	25.00
2	2021	759.73	26.25	7	2015	757.51	23.97
3	2023	759.43	25.94	8	2022	757.00	23.45
4	2018	759.23	25.73	9	2016	753.76	20.27
5	2017	758.61	25.09	10	2020	753.54	20.06

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: October 7, 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 30	1,645.20	2.65	12 AM - Mid	153	59	452
Sunday 1	1,645.13	2.63	12 AM - Mid	155	57	390
Monday 2	1,645.08	2.63	12 AM - Mid	154	54	280
Tuesday 3	1,645.01	2.61	12 AM - Mid	154	51	423
Wednesday 4	1,644.95	2.60	12 AM - Mid	154	50	276
Thursday 5	1,644.91	2.60	12 AM - Mid	153	49	410
Friday 6	1,644.85	2.59	12 AM - Mid	153	46	279
Saturday 7	1,644.80	2.58	12 AM - Mid	153	215	2,260

CHANGE IN STORAGE DURING THE WEEK	-0.07	* 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	1,646.25	2.83	6	2017	1,644.28	2.49
2	2022	1,645.24	2.65	7	2015	1,643.37	2.34
3	2023	1,644.80	2.58	8	2021	1,642.66	2.22
4	2019	1,644.58	2.54	9	2014	1,642.34	2.17
5	2020	1,644.43	2.52	10	2016	1,641.42	2.03

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

Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
INDIAN LAKE RESERVOIR OPERATION
FOR WEEK ENDING: October 14, 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 7	1,644.80	2.58	12 AM - Mid	153	215	2,260
Sunday 8	1,645.00	2.61	12 AM - Mid	152	1,540	6,570
Monday 9	1,645.20	2.65	12 AM - Mid	153	1,660	4,890
Tuesday 10	1,645.17	2.64	12 AM - Mid	152	1,010	2,880
Wednesday 11	1,645.17	2.64	12 AM - Mid	325	603	2,110
Thursday 12	1,645.06	2.62	12 AM - Mid	412	420	1,800
Friday 13	1,644.89	2.59	12 AM - Mid	411	339	1,590
Saturday 14	1,644.74	2.57	12 AM - Mid	411	284	1,430

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	2018	1,646.21	2.82	6	2017	1,644.12	2.46
2	2022	1,644.75	2.57	7	2015	1,643.26	2.32
3	2023	1,644.74	2.57	8	2021	1,642.23	2.16
4	2019	1,644.41	2.51	9	2014	1,642.12	2.14
5	2020	1,644.16	2.47	10	2016	1,640.73	1.92

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: October 21, 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 14	1,644.74	2.57	12 AM - Mid	411	284	1,430
Sunday 15	1,644.55	2.54	12 AM - Mid	410	247	1,320
Monday 16	1,644.42	2.51	12 AM - Mid	408	224	1,230
Tuesday 17	1,644.24	2.48	12 AM - Mid	406	237	1,160
Wednesday 18	1,644.07	2.45	12 AM - Mid	405	243	1,160
Thursday 19	1,643.91	2.43	12 AM - Mid	404	218	1,130
Friday 20	1,643.75	2.40	12 AM - Mid	281	193	963
Saturday 21	1,643.60	2.37	12 AM - Mid	228	201	1,030

CHANGE IN STORAGE DURING THE WEEK	-0.20	* 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	2019	1,645.98	2.78	6	2023	1,643.60	2.37
2	2018	1,645.80	2.75	7	2015	1,642.93	2.27
3	2022	1,644.54	2.53	8	2021	1,642.41	2.18
4	2020	1,644.00	2.44	9	2014	1,642.31	2.17
5	2017	1,643.67	2.39	10	2016	1,640.57	1.89

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: **October 7, 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 30	1,671.09	2.78	12 AM -Mid	500	506	1,360
Sunday 1	1,670.93	2.74	12 AM -Mid	500	570	1,390
Monday 2	1,670.75	2.71	12 AM -Mid	383	586	1,410
Tuesday 3	1,670.62	2.68	12 AM -Mid	300	452	1,430
Wednesday 4	1,670.52	2.66	12 AM -Mid	300	380	1,260
Thursday 5	1,670.41	2.64	12 AM -Mid	300	403	1,250
Friday 6	1,670.29	2.61	12 AM -Mid	300	403	1,240
Saturday 7	1,670.51	2.66	12 AM -Mid	300	1,090	1,790

CHANGE IN STORAGE DURING THE WEEK -0.12

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2021	1,672.51	3.08	6	2017	1,670.08	2.57
2	2019	1,671.77	2.92	7	2014	1,668.73	2.34
3	2015	1,670.64	2.68	8	2016	1,668.65	2.33
4	2023	1,670.51	2.66	9	2018	1,665.55	1.81
5	2022	1,670.23	2.60	10	2020	1,665.52	1.81

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: [October 14, 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 7	1,670.51	2.66	12 AM -Mid	300	1,090	1,790
Sunday 8	1,671.26	2.81	12 AM -Mid	300	1,830	6,140
Monday 9	1,671.65	2.90	12 AM -Mid	300	1,720	9,090
Tuesday 10	1,671.90	2.95	12 AM -Mid	300	1,370	9,720
Wednesday 11	1,672.01	2.97	12 AM -Mid	300	1,030	8,800
Thursday 12	1,672.04	2.98	12 AM -Mid	300	732	7,190
Friday 13	1,672.07	2.98	12 AM -Mid	475	600	5,500
Saturday 14	1,671.99	2.97	12 AM -Mid	600	741	4,280

CHANGE IN STORAGE DURING THE WEEK	0.31
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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	1,671.99	2.97	6	2022	1,669.58	2.48
2	2019	1,671.51	2.87	7	2014	1,668.44	2.29
3	2021	1,671.17	2.79	8	2016	1,667.59	2.15
4	2015	1,670.45	2.65	9	2018	1,666.69	2.00
5	2017	1,670.01	2.56	10	2020	1,664.77	1.68

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: [October 21, 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 14	1,671.99	2.97	12 AM -Mid	600	741	4,280
Sunday 15	1,671.86	2.94	12 AM -Mid	600	826	3,590
Monday 16	1,671.74	2.91	12 AM -Mid	600	819	3,320
Tuesday 17	1,671.61	2.89	12 AM -Mid	600	823	3,560
Wednesday 18	1,671.48	2.86	12 AM -Mid	600	846	3,370
Thursday 19	1,671.33	2.83	12 AM -Mid	600	836	3,160
Friday 20	1,671.18	2.80	12 AM -Mid	600	827	2,940
Saturday 21	1,671.03	2.76	12 AM -Mid	600	855	2,830

CHANGE IN STORAGE DURING THE WEEK	-0.21
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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	1,672.58	3.10	6	2017	1,669.58	2.48
2	2021	1,671.12	2.78	7	2022	1,668.88	2.37
3	2023	1,671.03	2.76	8	2018	1,667.14	2.08
4	2015	1,670.43	2.64	9	2016	1,667.08	2.07
5	2014	1,669.93	2.54	10	2020	1,664.42	1.63

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: **October 7, 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 30	1,706.86	0.905	20	1,785.92	0.299	10
Sunday 1	1,706.85	0.904	20	1,785.90	0.299	10
Monday 2	1,706.85	0.904	32	1,785.90	0.299	15
Tuesday 3	1,706.84	0.903	42	1,785.89	0.299	19
Wednesday 4	1,706.83	0.901	42	1,785.87	0.298	19
Thursday 5	1,706.81	0.899	42	1,785.85	0.297	19
Friday 6	1,706.78	0.895	42	1,785.84	0.297	19
Saturday 7	1,706.77	0.893	42	1,785.81	0.296	19
CHANGE IN STORAGE		-0.012			-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	1,706.97	0.922	1	2020	1,785.91	0.299
2	2021	1,706.95	0.919	2	2021	1,785.89	0.299
3	2020	1,706.88	0.909	3	2019	1,785.87	0.298
4	2023	1,706.77	0.893	4	2023	1,785.81	0.296
5	2022	1,706.76	0.893	5	2022	1,785.30	0.280

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

Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
FULTON CHAIN RESERVOIR OPERATION
FOR WEEK ENDING: [October 14, 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 7	1,706.77	0.893	42	1,785.81	0.296	19
Sunday 8	1,706.95	0.919	42	1,786.00	0.302	20
Monday 9	1,706.97	0.922	42	1,786.03	0.303	20
Tuesday 10	1,707.00	0.926	178	1,786.05	0.304	67
Wednesday 11	1,706.84	0.903	312	1,785.94	0.300	99
Thursday 12	1,706.67	0.881	309	1,785.75	0.294	98
Friday 13	1,706.53	0.861	306	1,785.57	0.288	97
Saturday 14	1,706.37	0.839	303	1,785.38	0.282	96
CHANGE IN STORAGE		-0.054			-0.014	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2020	1,706.96	0.920	1	2020	1,786.03	0.303
2	2022	1,706.90	0.912	2	2021	1,785.75	0.294
3	2021	1,706.85	0.904	3	2019	1,785.66	0.291
4	2019	1,706.74	0.890	4	2023	1,785.38	0.282
5	2023	1,706.37	0.839	5	2022	1,785.07	0.272

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: [October 21, 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 14	1,706.37	0.839	303	1,785.38	0.282	96
Sunday 15	1,706.21	0.819	300	1,785.20	0.276	95
Monday 16	1,706.06	0.797	298	1,785.01	0.270	95
Tuesday 17	1,705.94	0.782	295	1,784.85	0.265	94
Wednesday 18	1,705.79	0.762	180	1,784.67	0.260	64
Thursday 19	1,705.82	0.766	68	1,784.56	0.256	43
Friday 20	1,705.81	0.764	68	1,784.47	0.253	42
Saturday 21	1,705.82	0.766	68	1,784.40	0.251	42
CHANGE IN STORAGE		-0.074			-0.031	

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	1,707.29	0.965	1	2021	1,785.72	0.293
2	2020	1,706.50	0.858	2	2020	1,785.30	0.280
3	2021	1,706.16	0.812	3	2019	1,785.28	0.279
4	2022	1,706.10	0.802	4	2022	1,784.92	0.268
5	2023	1,705.82	0.766	5	2023	1,784.40	0.251

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