

**REPORT OF CHIEF ENGINEER**  
**HUDSON RIVER - BLACK RIVER REGULATING DISTRICT**  
**BOARD MEETING**  
**OCTOBER 11, 2023 – WATERTOWN, NEW YORK**

**HUDSON RIVER AREA - SEPTEMBER SUMMARY**

**Reservoir Operation**

Great Sacandaga Lake

The September average daily release from the Sacandaga Reservoir (Great Sacandaga Lake) was approximately 1,610 cubic feet per second (cfs). The Upper Hudson / Sacandaga River Offer of Settlement target elevation for September 30 is 760.25 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) <sup>(4)</sup>	Deviation (ft) <sup>(1)</sup>		Release (cfs)	
		From Average	From Offer of Settlement	Conklingville Dam	E.J. West <sup>(2)</sup> Hydro Plant
Aug. 31	763.14	+4.13	+0.64	0	3,990
Sept. 30	760.5 (e)	+4.2 (e)	+0.2 (e)	0	1,800 (e)

- Notes: <sup>(1)</sup> Difference between current reservoir elevation and historic average or Level 3  
<sup>(2)</sup> Release established by Regulating District  
<sup>(3)</sup> "(e)" represents estimated value  
<sup>(4)</sup> "NAVD" is North American Vertical Datum

Indian Lake Reservoir

The September average daily release from Indian Lake was approximately 215 cfs.

Table 2.0 - *Indian Lake Reservoir Elevation and Release*

Date	Daily Average Elevation <sup>(1)</sup> (ft, NAVD)	Deviation (ft)		Release (cfs)
		From Average	From Target	
Aug. 31	1,646.84	+0.86	+0.14	159
Sept. 30	1,645.3 (e)	+1.1 (e)	-0.9 (e)	250 (e)

- Notes: <sup>(1)</sup> Local datum = NAVD elevation + 1617.63ft; spillway crest = 1651.01ft (33.38ft)  
<sup>(2)</sup> "(e)" represents estimated value

**HUDSON RIVER AREA - SEPTEMBER SUMMARY- continued**

**River Flow**

Hudson River flow, downstream of the confluence with the Sacandaga River, was approximately 2,250 cfs on September 24 and approximately 1,110 cfs below the historic average flow.

Table 3.0 - *Sacandaga, Indian, and Hudson River Flow*

<b>River</b>	<b>Monthly Average Flow (cfs)</b>	<b>Historic Average Flow (2) (cfs)</b>
<b>Sacandaga</b> at Hope	382 (e)	375
<b>Sacandaga</b> at Stewarts Bridge	1,610 (e)	1,820
<b>Indian</b> at Indian Lake Dam	215 (e)	325
<b>Hudson</b> at Hadley (1)	1,580 (e)	1,330

- Notes: (1) Above confluence with Sacandaga River  
 (2) Based on USGS records  
 (3) "(e)" represents estimated value  
 (4) Gauge unavailable due to ice

**Precipitation**

Monthly total precipitation measured 42%, 36%, and 60% historic average at Indian Lake, Mayfield, and Conklingville, respectively, as of September 24

Table 4.0 - *Hudson River Basin Precipitation - as of September 24*

<b>Station</b>	<b>Monthly Total (inch)</b>	<b>Historic Average (inch)</b>
<b>Indian Lake</b>	1.54	3.70
<b>Mayfield</b>	1.45	4.00
<b>Conklingville</b>	2.19	3.65

## **HUDSON RIVER AREA - SEPTEMBER SUMMARY- continued**

### **Operation Overview**

Precipitation during the month of September was below average across the Great Sacandaga Lake watershed and below average in Indian Lake watershed. The monthly inflow to Great Sacandaga Lake and Indian Lake reservoir was approximately 68% and 78% of historic average, respectively. Monthly release of water from Great Sacandaga Lake and Indian Lake measured 88% and 88% of historic average, respectively.

### **Great Sacandaga Lake Operation**

Great Sacandaga Lake operation summary report for the period September 1, 2023 through September 24, 2023 is attached. This report includes projected and forecast values for dates after September 24, 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 included in the Operations Manager's Report.

## BLACK RIVER AREA – SEPTEMBER SUMMARY

### Reservoir Operations

#### Stillwater Reservoir

The September average daily release from Stillwater Reservoir was approximately 760 cfs. The maximum discharge for the month was 800 cfs.

Table 1.0 - *Stillwater Reservoir Elevation and Release*

Date	Daily Average Elevation (ft, NAVD)	Deviation from Average Elevation (ft) (1)	Release (cfs)
Aug. 31	1,677.49	+4.97	1,000
Sept. 30	1,671.0 (e)	+1.0 (e)	500 (e)

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

#### Sixth Lake Reservoir

The September average daily release from Sixth Lake Reservoir was approximately 10 cfs.

Table 2.0 - *Sixth Lake Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
Aug. 31	1,786.01	+0.25	10
Sept. 30	1,785.9 (e)	+0.6 (e)	10 (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 September average daily release from Old Forge Reservoir was approximately 20 cfs.

Table 3.0 - *Old Forge Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
Aug. 31	1706.85	-0.09	20
Sept. 30	1,706.9 (e)	+0.2 (e)	20 (e)

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

## BLACK RIVER AREA - SEPTEMBER SUMMARY - continued

### River Flow

The average daily Black River flow, as measured at the Watertown gauge, was approximately 1,990 cfs on September 24.

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

<b>River</b>	<b>Monthly Average Flow (cfs)</b>	<b>Historic Average Flow (1) (cfs)</b>
<b>Moose</b> at McKeever	335 (e)	426
<b>Beaver</b> at Croghan	880 (e)	511
<b>Black</b> at Watertown	2,470 (e)	2,150

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 39%, 32%, 23% of historic average at Stillwater, Old Forge, and Sixth Lake, respectively, as of September 24.

Table 5.0 - *Black River Basin Precipitation - as of September 24*

<b>Station</b>	<b>Monthly Total (inch)</b>	<b>Historic Average (inch)</b>
<b>Stillwater</b>	1.96 (e)	4.97
<b>Old Forge</b>	1.52 (e)	4.78
<b>Sixth Lake</b>	0.90 (e)	3.98

## **BLACK RIVER AREA - SEPTEMBER SUMMARY - continued**

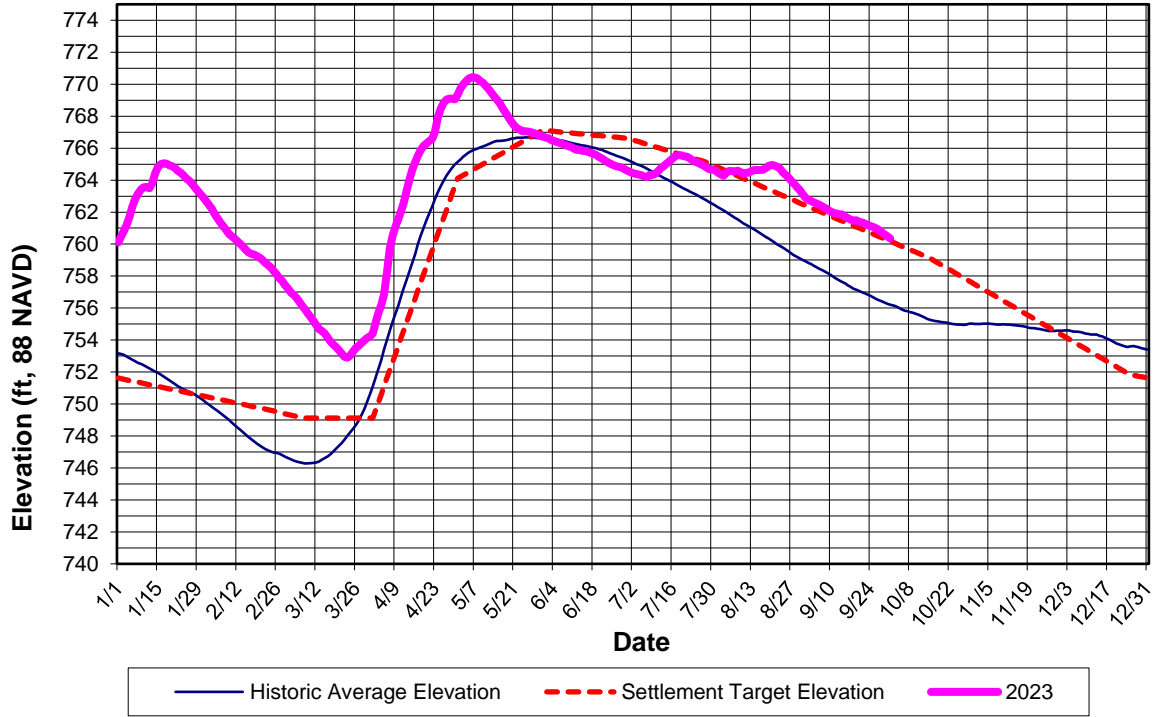
### **Operation Overview**

Precipitation in the month of September was below average at Stillwater, Old Forge and Sixth Lake. The monthly inflow to Stillwater Reservoir was approximately 81% of historic average. The inflow to Sixth Lake and Old Forge Reservoir totaled 0.03 and 0.05 billion cubic feet, respectively, in September. Release of water from Stillwater Reservoir averaged 187% of historic discharge.

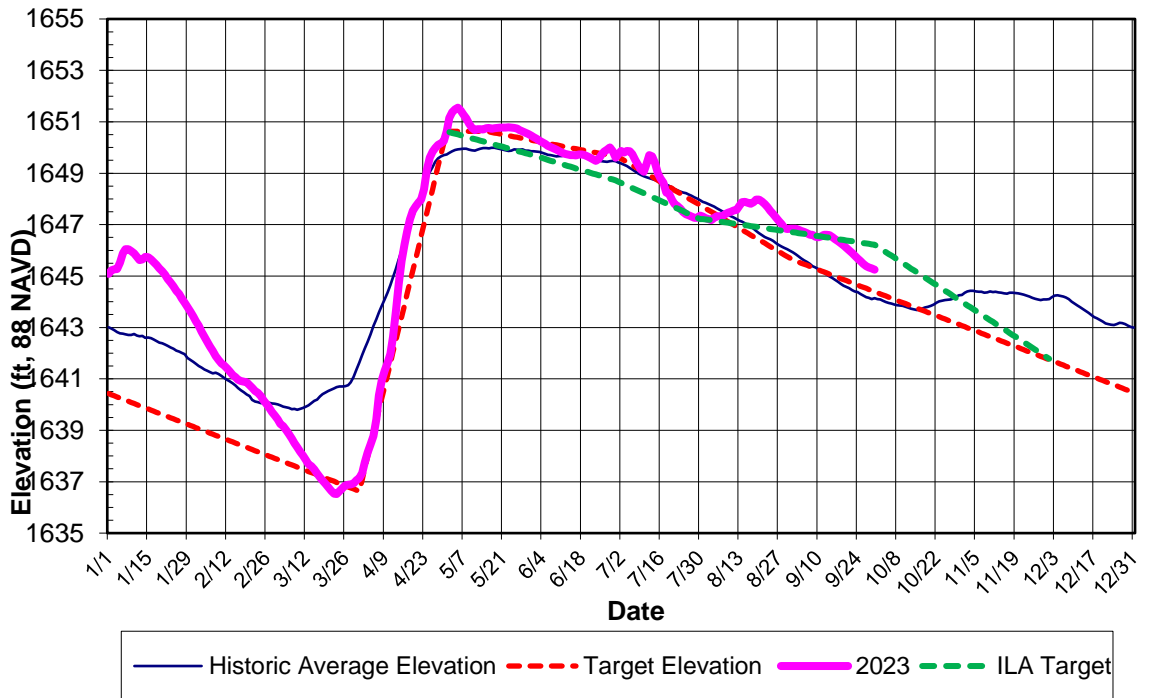
### **Black River Area Staff Activities**

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

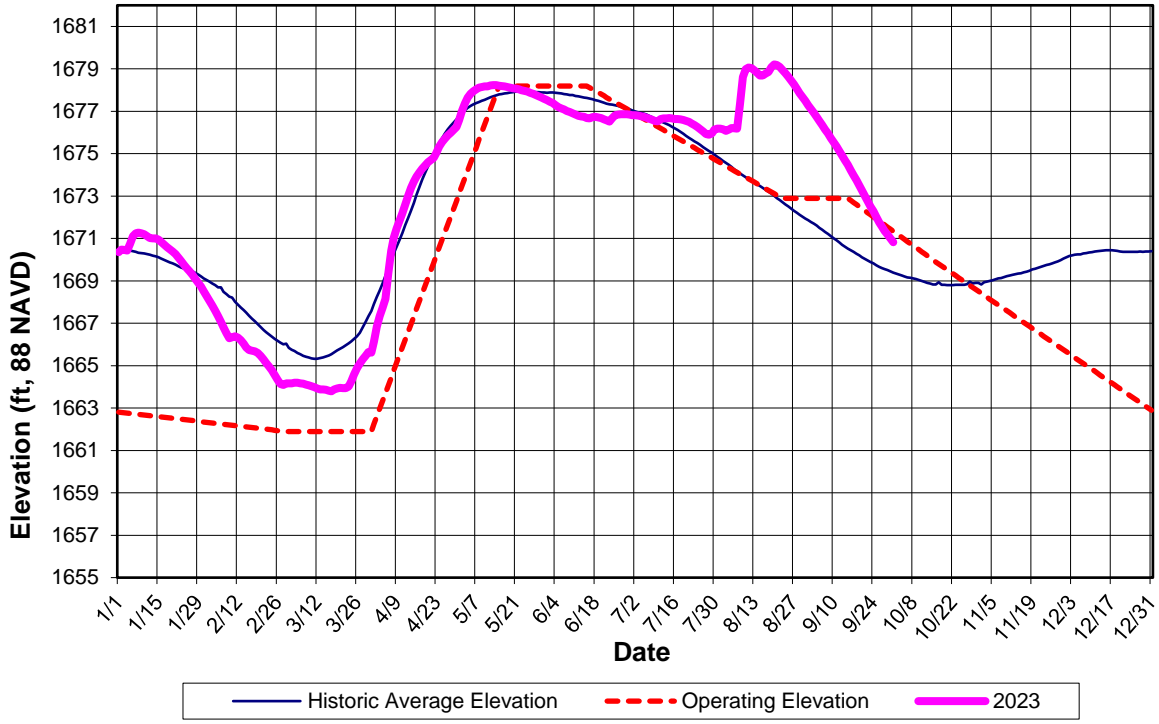
### Great Sacandaga Lake 2023 Reservoir Elevation



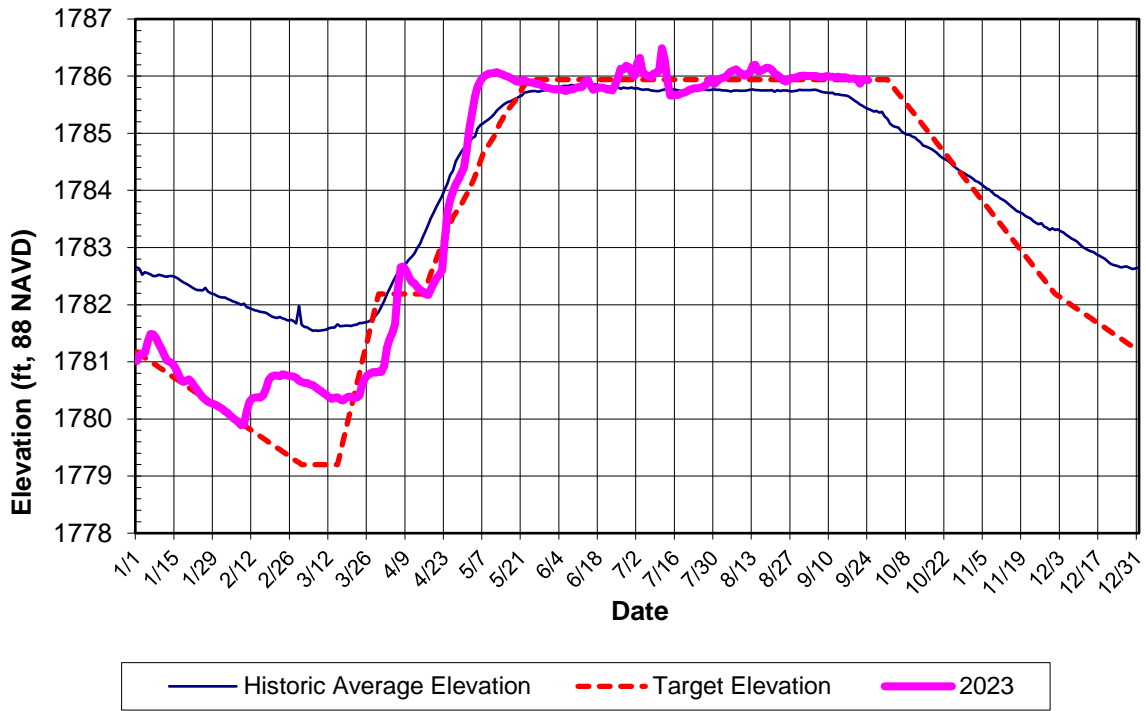
### Indian Lake 2023 Reservoir Elevation



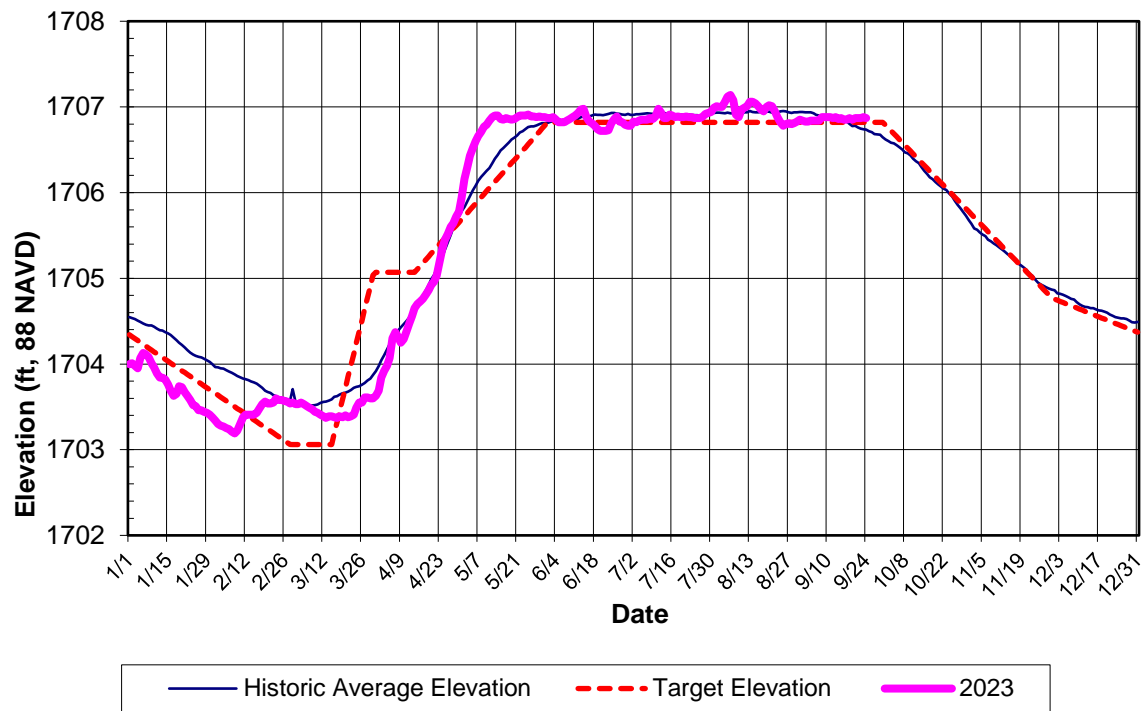
### Stillwater Reservoir 2023 Reservoir Elevation



### Sixth Lake 2023 Reservoir Elevation



### Old Forge 2023 Reservoir Elevation



**SACANDAGA RESERVOIR ELEVATION CALCULATOR**

**BROOKFIELD HYDRO CONTROL CENTER: 877-816-7466**

**Justin St.John 518-743-2004 (w)**  
**Jonathan Norris 518-743-2094**

Datum: **1988 NAVD**

Settlement Parameters	
Date	9/26/2023
Target Elevation	760.55
Actual "Level"	3.01
"Level 2.5 threshold"	757.67
"Level 1.2 threshold"	748.74
Hudson River Target	
Elevation	Level
Maximum Flow (cfs)	8000 7520
Minimum Flow (cfs)	n/a 2020
Min. Rec/Rafting Hours (hrs)	0

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	9/26/2023
Day of Year	6113
Starting Elevation (ft)	761.02
Average Elevation	760.98
Flow Below Hadley (cfs)	2600
Todays Release	1200
Tomorrows Release	1800

**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)
9/1/2023	763.02	1400	3930	0	0	3930	4000	3.07	2420	6350	2120	8000	7620	762.81	9/2/2023	762.92	762.43	758.92
9/2/2023	762.81	900	1600	0	0	1600	4000	3.05	2120	3720	2100	8000	7600	762.75	9/3/2023	762.78	762.35	758.83
9/3/2023	762.75	300	1600	0	0	1600	4000	3.04	1880	3480	2080	8000	7580	762.64	9/4/2023	762.70	762.27	758.74
9/4/2023	762.64	400	1610	0	0	1610	4000	3.04	1680	3290	2080	8000	7580	762.54	9/5/2023	762.59	762.20	758.65
9/5/2023	762.54	400	1470	0	0	1470	4000	3.02	1580	3050	2040	8000	7540	762.45	9/6/2023	762.50	762.12	758.55
9/6/2023	762.45	600	1470	0	0	1470	4000	3.02	1480	2950	2040	8000	7540	762.38	9/7/2023	762.42	762.05	758.45
9/7/2023	762.38	700	1770	0	0	1770	4000	3.01	1350	3120	2020	8000	7520	762.29	9/8/2023	762.34	761.97	758.36
9/8/2023	762.29	400	1740	0	0	1740	4000	3.01	1350	3090	2020	8000	7520	762.18	9/9/2023	762.24	761.90	758.26
9/9/2023	762.18	400	1710	0	0	1710	4000	3.01	1350	3060	2020	8000	7520	762.07	9/10/2023	762.13	761.82	758.16
9/10/2023	762.07	800	1720	0	0	1720	4000	3.01	1350	3070	2020	8000	7520	761.99	9/11/2023	762.03	761.75	758.06
9/11/2023	761.99	800	1720	0	0	1720	4000	3.01	1350	3070	2020	8000	7520	761.91	9/12/2023	761.95	761.67	757.95
9/12/2023	761.91	1000	1740	0	0	1740	4000	3.01	1350	3090	2020	8000	7520	761.85	9/13/2023	761.88	761.60	757.83
9/13/2023	761.85	1400	1730	0	0	1730	4000	3.01	1350	3080	2020	8000	7520	761.82	9/14/2023	761.84	761.52	757.72
9/14/2023	761.82	1400	1550	0	0	1550	4000	3.01	1350	2900	2020	8000	7520	761.80	9/15/2023	761.81	761.45	757.64
9/15/2023	761.80	1000	2150	0	0	2150	4000	3.01	1350	3500	2020	8000	7520	761.70	9/16/2023	761.75	761.37	757.54
9/16/2023	761.70	600	1900	0	0	1900	4000	3.01	2040	3940	2020	8000	7520	761.59	9/17/2023	761.65	761.30	757.42
9/17/2023	761.59	600	1890	0	0	1890	4000	3.01	1960	3850	2020	8000	7520	761.48	9/18/2023	761.54	761.22	757.32
9/18/2023	761.48	1100	1000	0	0	1000	4000	3.01	1840	2840	2020	8000	7520	761.48	9/19/2023	761.48	761.15	757.21
9/19/2023	761.48	600	1150	0	0	1150	4000	3.01	1750	2900	2020	8000	7520	761.43	9/20/2023	761.46	761.07	757.13
9/20/2023	761.43	400	1000	0	0	1000	4000	3.01	1770	2770	2020	8000	7520	761.38	9/21/2023	761.41	761.00	757.06
9/21/2023	761.38	200	997	0	0	997	4000	3.01	1590	2587	2020	8000	7520	761.31	9/22/2023	761.35	760.92	756.98
9/22/2023	761.31	300	985	0	0	985	4000	3.01	1580	2565	2020	8000	7520	761.25	9/23/2023	761.28	760.85	756.91
9/23/2023	761.25	200	1300	0	0	1300	4000	3.01	1420	2720	2020	8000	7520	761.16	9/24/2023	761.21	760.77	756.84
9/24/2023	761.16	300	998	0	0	998	4000	3.01	1450	2448	2020	8000	7520	761.10	9/25/2023	761.13	760.70	756.75
9/25/2023	761.10	200	1120	0	0	1120	4000	3.01	1350	2470	2020	8000	7520	761.02	9/26/2023	761.06	760.62	756.65
9/26/2023	761.02	300	1200	0	0	1200	4000	3.01	1400	2600	2020	8000	7520	760.94	9/27/2023	760.98	760.55	756.56
9/27/2023	760.94	300	1800	0	0	1800	4000	3.01	1350	3150	2020	8000	7520	760.81	9/28/2023	760.88	760.47	756.48
9/28/2023	760.81	300	1800	0	0	1800	4000	3.01	1300	3100	2020	8000	7520	760.68	9/29/2023	760.75	760.40	756.41
9/29/2023	760.68	300	1800	0	0	1800	4000	3.01	1250	3050	2020	8000	7520	760.55	9/30/2023	760.62	760.32	756.34
9/30/2023	760.55	300	1800	0	0	1800	4000	3.01	1200	3000	2020	8000	7520	760.42	10/1/2023	760.49	760.25	756.27
10/1/2023	760.42	300	1800	0	0	1800	4000		1150	2950	#N/A	8000	#N/A	760.29	10/2/2023	760.36	760.17	756.20
10/2/2023	760.29	300	1800	0	0	1800	4000		1100	2900	#N/A	8000	#N/A	760.16	10/3/2023		760.02	756.15
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: \_\_\_\_\_

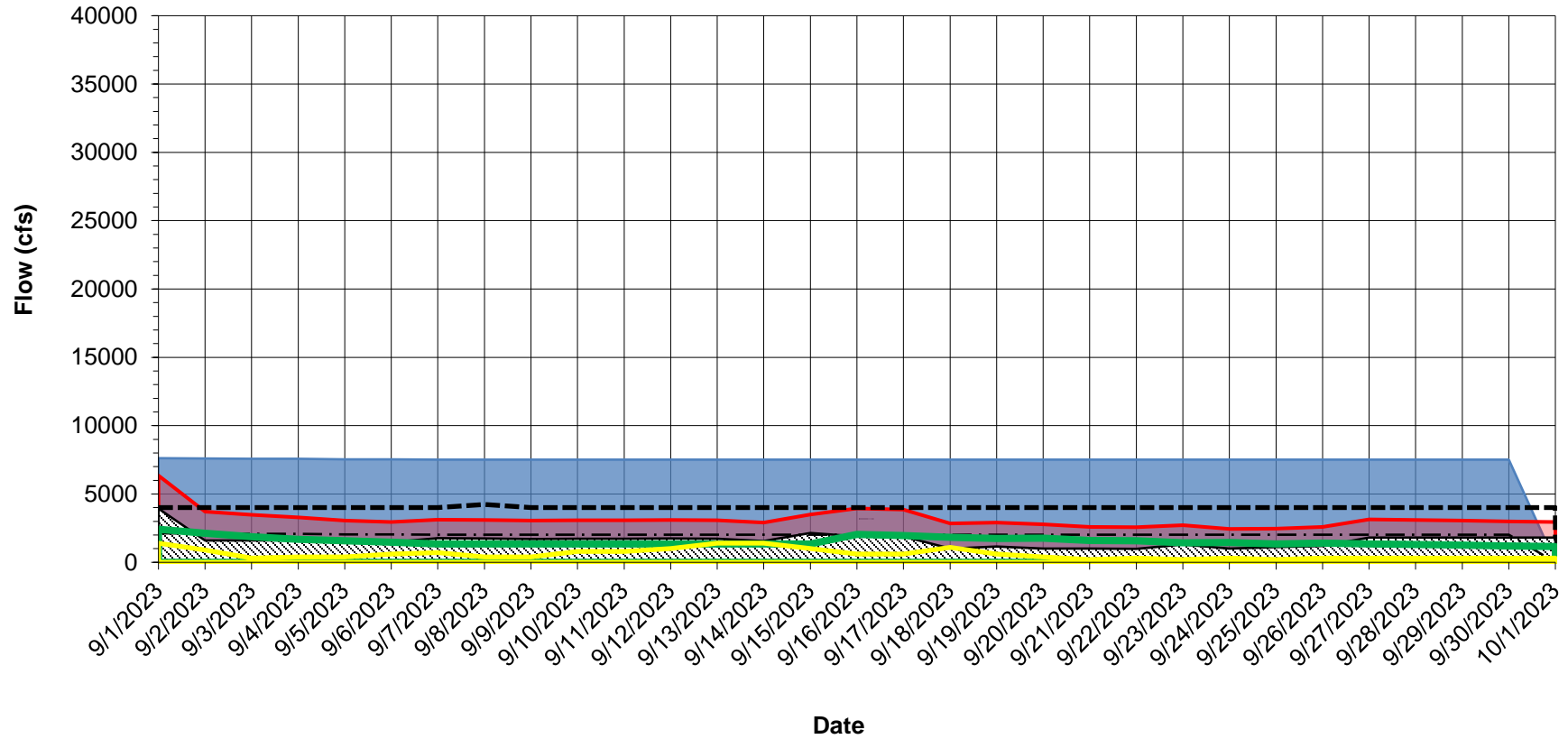
Date: \_\_\_\_\_

**GREAT SACANDAGA LAKE  
RESERVOIR OPERATION SUMMARY**

Print Date: 9/26/2023  
 Period of Record: 9/1/2023 to 9/29/2023

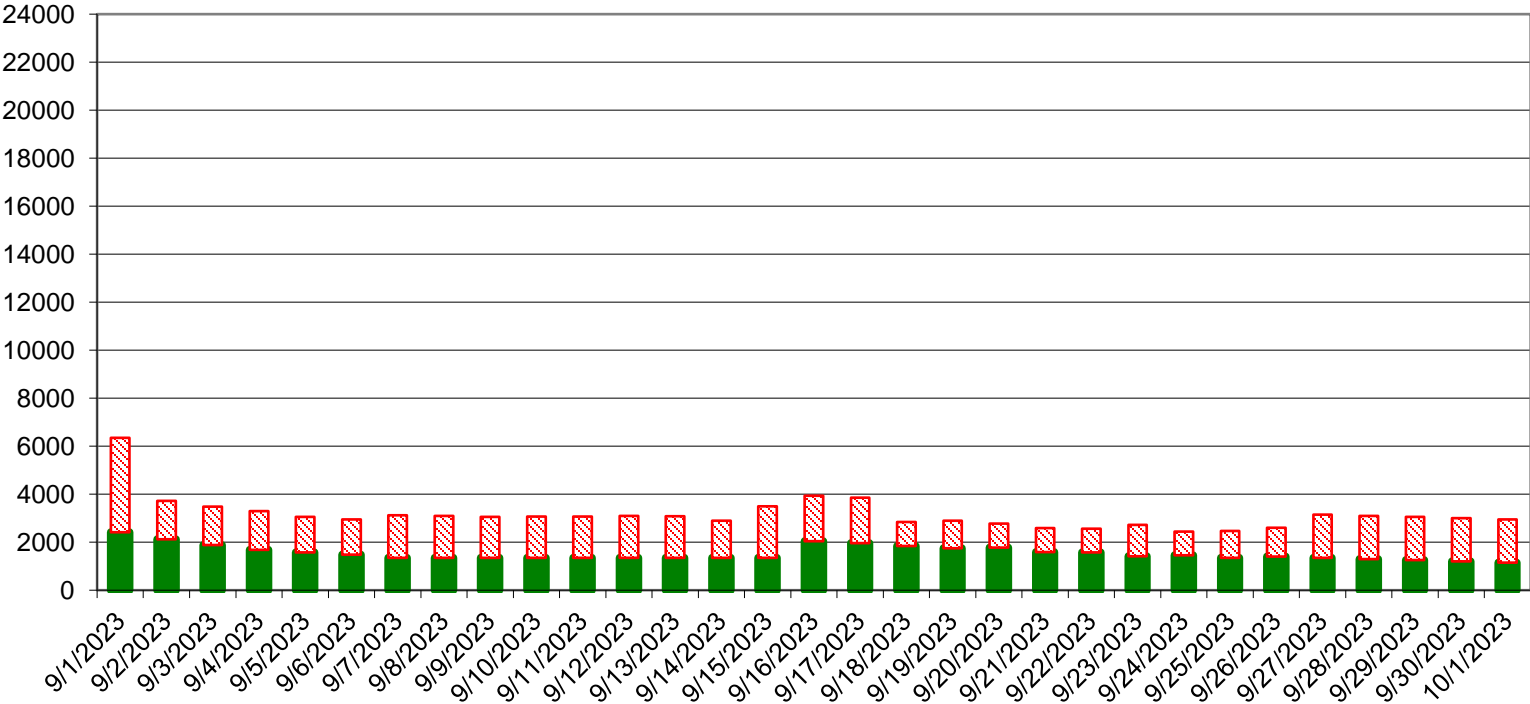
Starting Date 12:00 AM	Daily Avg. Elevation	Net Average Inflow	<b>Sacandaga River Flow</b>		Settlement Level	Hudson at Hadley	Hudson River Below Confluence	<b>Hudson River Target Flow</b>		Maximum Allowable Sacandaga
			Average Release	Maximum (Table F - Elev.)				Minimum (Table B - Level)	Maximum (Table D & E)	
9/1/2023	762.92	1400	3930	4000	3.07	2420	6350	2120	7620	4000
9/2/2023	762.78	900	1600	4000	3.05	2120	3720	2100	7600	4000
9/3/2023	762.70	300	1600	4000	3.04	1880	3480	2080	7580	4000
9/4/2023	762.59	400	1610	4000	3.04	1680	3290	2080	7580	4000
9/5/2023	762.50	400	1470	4000	3.02	1580	3050	2040	7540	4000
9/6/2023	762.42	600	1470	4000	3.02	1480	2950	2040	7540	4000
9/7/2023	762.34	700	1770	4000	3.01	1350	3120	2020	7520	4000
9/8/2023	764.67	400	1740	4233	3.01	1350	3090	2020	7520	4000
9/9/2023	762.13	400	1710	4000	3.01	1350	3060	2020	7520	4000
9/10/2023	762.03	800	1720	4000	3.01	1350	3070	2020	7520	4000
9/11/2023	761.95	800	1720	4000	3.01	1350	3070	2020	7520	4000
9/12/2023	761.88	1000	1740	4000	3.01	1350	3090	2020	7520	4000
9/13/2023	761.84	1400	1730	4000	3.01	1350	3080	2020	7520	4000
9/14/2023	761.81	1400	1550	4000	3.01	1350	2900	2020	7520	4000
9/15/2023	761.75	1000	2150	4000	3.01	1350	3500	2020	7520	4000
9/16/2023	761.65	600	1900	4000	3.01	2040	3940	2020	7520	4000
9/17/2023	761.54	600	1890	4000	3.01	1960	3850	2020	7520	4000
9/18/2023	761.48	1100	1000	4000	3.01	1840	2840	2020	7520	4000
9/19/2023	761.46	600	1150	4000	3.01	1750	2900	2020	7520	4000
9/20/2023	761.41	400	1000	4000	3.01	1770	2770	2020	7520	4000
9/21/2023	761.35	200	997	4000	3.01	1590	2587	2020	7520	4000
9/22/2023	761.28	300	985	4000	3.01	1580	2565	2020	7520	4000
9/23/2023	761.21	200	1300	4000	3.01	1420	2720	2020	7520	4000
9/24/2023	761.13	300	998	4000	3.01	1450	2448	2020	7520	4000
9/25/2023	761.06	200	1120	4000	3.01	1350	2470	2020	7520	4000
9/26/2023	760.98	300	1200	4000	3.01	1400	2600	2020	7520	4000
9/27/2023	760.88	300	1800	4000	3.01	1350	3150	2020	7520	4000
9/28/2023	760.75	300	1800	4000	3.01	1300	3100	2020	7520	4000
9/29/2023	760.62	300	1800	4000	3.01	1250	3050	2020	7520	4000
9/30/2023	760.49	300	1800	4000	3.01	1200	3000	2020	7520	4000
10/1/2023	760.36	300	1800	4000	0.00	1150	2950	#N/A	#N/A	4000

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



### Great Sacandaga Lake GSL Release and Natural Hudson River Flow

Total Flow Below Confluence (cfs)



Date



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

Monthly Report for: August 2023

Day	Sacandaga Reservoir Elevation Average Daily	Sacandaga Reservoir Elevation Midnight	Sacandaga River Near Hope cfs	Reservoir Inflow Hope x 2.1791 cfs	Sacandaga River at Stewarts Bridge cfs	Hudson River at Hadley cfs	Regulated Hudson River below confluence cfs
1	764.48	764.52	271	591	1580	4610	6190
2	764.37	764.41	261	569	1680	3820	5500
3	764.28	764.25	246	536	1630	3180	4810
4	764.45	764.25	903	1968	1610	3620	5230
5	764.58	764.58	956	2083	1590	4900	6490
6	764.58	764.62	656	1429	1610	5110	6720
7	764.54	764.55	573	1249	1620	4760	6380
8	764.59	764.56	841	1833	2350	4850	7200
9	764.51	764.57	825	1798	3790	5550	9340
10	764.40	764.45	666	1451	2470	6230	8700
11	764.45	764.45	1120	2441	1220	7010	8230
12	764.48	764.49	760	1656	1140	6740	7880
13	764.58	764.52	1420	3094	1140	6730	7870
14	764.64	764.62	974	2122	1340	6330	7670
15	764.63	764.63	846	1844	1660	5730	7390
16	764.64	764.64	986	2149	1800	5590	7390
17	764.65	764.68	993	2164	1490	6080	7570
18	764.76	764.67	1560	3399	1330	6250	7580
19	764.90	764.89	1510	3290	889	6670	7559
20	764.95	764.95	1030	2244	1310	6240	7550
21	764.92	764.94	907	1976	1780	5570	7350
22	764.86	764.97	713	1554	2220	5040	7260
23	764.73	764.77	604	1316	3130	4380	7510
24	764.49	764.60	539	1175	3520	3880	7400
25	764.33	764.38	542	1181	3540	3690	7230
26	764.15	764.23	527	1148	2950	3520	6470
27	763.96	764.06	508	1107	3150	3390	6540
28	763.77	763.87	490	1068	3520	3120	6640
29	763.58	763.68	539	1175	3760	2900	6660
30	763.40	763.43	614	1338	3990	2880	6870
31	763.14	763.25	760	1656	3990	2700	6690

AVERAGE 779 1700 2220 4870 7090

CHANGE IN STORAGE DURING THE MONTH -1.64 B.C.F.

\_\_\_\_\_  
 CHIEF ENGINEER

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

Monthly Report for: August, 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	1647.25	1647.32	34	159	622	1990
2	1647.21	1647.26	97	159	433	1430
3	1647.18	1647.23	242	159	340	1220
4	1647.27	1647.27	244	161	345	1680
5	1647.33	1647.31	159	159	853	2550
6	1647.33	1647.31	180	159	961	2440
7	1647.34	1647.32	221	159	630	1930
8	1647.41	1647.36	328	161	507	2330
9	1647.46	1647.43	285	160	1040	2960
10	1647.50	1647.49	243	160	1320	3280
11	1647.55	1647.53	221	159	1210	3430
12	1647.58	1647.56	307	161	1020	2820
13	1647.74	1647.63	578	161	931	2570
14	1647.88	1647.83	326	159	975	2410
15	1647.89	1647.91	214	360	743	2200
16	1647.85	1647.85	405	447	633	2120
17	1647.81	1647.82	362	445	799	2390
18	1647.87	1647.78	760	448	786	2680
19	1647.97	1647.93	593	447	816	3090
20	1647.98	1648.00	322	447	834	2740
21	1647.90	1647.94	260	447	740	2280
22	1647.80	1647.86	238	446	592	2020
23	1647.67	1647.75	112	445	453	1650
24	1647.54	1647.59	236	444	370	1530
25	1647.42	1647.49	151	443	341	1390
26	1647.28	1647.36	171	442	347	1510
27	1647.14	1647.22	128	440	319	1430
28	1647.01	1647.07	189	439	300	1260
29	1646.87	1646.95	104	437	253	1280
30	1646.83	1646.79	354	250	235	1160
31	1646.84	1646.84	161	161	222	1070

AVERAGE 265 298 644 2092

CHANGE IN STORAGE DURING THE MONTH -0.086 B.C.F

\_\_\_\_\_  
 CHIEF ENGINEER

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

Monthly Report for: August 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	1676.18	1676.25	241	300	356	508	2960
2	1676.15	1676.23	211	358	304	422	2330
3	1676.08	1676.18	282	400	274	387	1840
4	1676.14	1676.14	724	400	1060	525	1710
5	1676.21	1676.25	488	400	1740	883	3780
6	1676.20	1676.28	282	400	1120	842	4510
7	1676.18	1676.24	694	400	893	691	4040
8	1677.35	1676.34	6361	517	1260	1540	4550
9	1678.61	1678.28	2660	600	1570	3160	7810
10	1678.99	1678.94	1301	696	1220	2030	10400
11	1679.07	1679.13	864	896	1040	1340	10900
12	1679.03	1679.12	743	1000	887	1290	9560
13	1678.93	1679.04	684	1000	1030	1400	8230
14	1678.82	1678.94	625	1000	1100	1370	7250
15	1678.69	1678.82	563	1000	886	1290	6590
16	1678.69	1678.68	1499	1000	951	2190	6480
17	1678.78	1678.84	1000	1000	1080	3280	8480
18	1678.86	1678.84	1564	1000	1550	2270	9040
19	1679.08	1679.02	1739	1000	2370	2310	10300
20	1679.21	1679.25	1064	1000	2290	2480	11700
21	1679.19	1679.27	775	1000	1630	1780	12100
22	1679.09	1679.20	647	1000	1110	1420	11000
23	1678.95	1679.09	492	1000	855	1340	9150
24	1678.79	1678.93	532	1000	743	1220	7320
25	1678.63	1678.78	469	1000	740	1210	5880
26	1678.45	1678.61	438	1000	788	1190	4970
27	1678.27	1678.43	376	1000	782	1210	4600
28	1678.06	1678.23	282	1000	697	1150	4300
29	1677.85	1678.00	425	1000	664	1130	3910
30	1677.67	1677.81	546	1000	799	1180	3730
31	1677.49	1677.66	364	1000	888	1130	3830

AVERAGE 933 818 1050 1420 6560

CHANGE IN STORAGE DURING THE MONTH

\_\_\_\_\_  
CHIEF ENGINEER

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

Monthly Report for: August, 2023

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1785.95	1785.93	5	0.08	0.00	5
2	1785.97	1785.96	5	0.08	0.00	5
3	1785.98	1785.98	5	0.08	0.00	5
4	1786.03	1786.01	5	0.08	0.00	5
5	1786.08	1786.07	5	0.08	0.00	5
6	1786.10	1786.08	5	0.08	0.00	5
7	1786.12	1786.10	42	0.67	0.67	42
8	1786.07	1786.09	68	0.67	0.67	68
9	1786.05	1786.06	68	0.67	0.67	68
10	1786.01	1786.03	46	0.25	0.00	46
11	1786.04	1786.02	15	0.25	0.00	15
12	1786.06	1786.04	15	0.25	0.00	15
13	1786.19	1786.13	15	0.25	0.00	15
14	1786.20	1786.23	65	1.00	1.00	65
15	1786.08	1786.14	68	0.25	0.25	68
16	1786.09	1786.06	30	0.25	0.25	30
17	1786.12	1786.11	30	0.25	0.25	30
18	1786.15	1786.12	57	0.67	0.83	57
19	1786.14	1786.14	77	0.67	0.83	77
20	1786.11	1786.14	77	0.67	0.83	77
21	1786.05	1786.08	54	0.33	0.33	54
22	1786.02	1786.04	38	0.33	0.33	38
23	1785.98	1786.00	38	0.33	0.33	38
24	1785.93	1785.95	37	0.33	0.33	37
25	1785.91	1785.91	22	0.17	0.00	22
26	1785.93	1785.91	10	0.17	0.00	10
27	1785.97	1785.96	10	0.17	0.00	10
28	1785.97	1785.97	10	0.17	0.00	10
29	1785.98	1785.98	10	0.17	0.00	10
30	1786.00	1785.99	10	0.17	0.00	10
31	1786.01	1786.00	10	0.17	0.00	10

AVERAGE 31 31

CHANGE IN STORAGE DURING THE MONTH 0.003 B.C.F

\_\_\_\_\_  
 CHIEF ENGINEER

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

Monthly Report for: August, 2023

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1707.01	1707.01	12	0.00	0.25	12
2	1707.00	1707.01	12	0.00	0.25	12
3	1707.00	1707.01	28	0.00	0.25	12
4	1707.06	1707.02	158	0.00	0.25	12
5	1707.12	1707.11	44	0.00	0.25	12
6	1707.14	1707.13	28	0.00	0.25	12
7	1707.08	1707.14	-61	4.00	4.00	214
8	1706.91	1706.97	180	4.00	4.00	355
9	1706.88	1706.86	307	0.33	0.33	165
10	1706.97	1706.95	113	0.33	0.33	32
11	1706.99	1707.00	48	0.33	0.33	32
12	1707.01	1707.01	129	0.33	0.33	32
13	1707.06	1707.07	48	0.33	0.33	32
14	1707.06	1707.08	81	1.50	1.50	113
15	1707.04	1707.06	105	1.50	1.50	170
16	1707.01	1707.02	137	1.50	1.50	169
17	1706.97	1707.00	56	1.50	1.50	169
18	1706.95	1706.93	234	1.50	1.50	169
19	1707.00	1706.97	266	1.50	1.50	169
20	1707.02	1707.03	153	1.50	1.50	169
21	1707.01	1707.02	104	1.50	1.50	169
22	1706.95	1706.98	56	1.50	1.50	169
23	1706.88	1706.91	76	1.50	1.50	169
24	1706.82	1706.85	78	1.50	1.50	168
25	1706.78	1706.79	89	0.33	0.33	89
26	1706.80	1706.79	77	0.33	0.33	32
27	1706.81	1706.82	17	0.33	0.33	32
28	1706.80	1706.81	25	0.17	0.25	25
29	1706.81	1706.81	65	0.17	0.25	20
30	1706.83	1706.84	35	0.17	0.25	20
31	1706.85	1706.85	20	0.17	0.25	20

AVERAGE 88 96

CHANGE IN STORAGE DURING THE MONTH -0.022 B.C.F

\_\_\_\_\_  
 CHIEF ENGINEER

STATE OF NEW YORK  
 HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
**SACANDAGA RESERVOIR OPERATION**  
 FOR WEEK ENDING: September 2, 2023

DATE	SACANDAGA RESERVOIR			HUDSON RIVER FLOW		
	WATER SURFACE ELEV. 12 A.M.	TOTAL STORAGE B.C.F. <sup>(1)</sup>	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	HADLEY AVG. DAILY C.F.S.	SPIER FALLS AVG. DAILY C.F.S.
Saturday 26	764.23	31.07	12 AM - Mid	2,980	3,520	6,500
Sunday 27	764.06	30.87	12 AM - Mid	3,150	3,390	6,540
Monday 28	763.87	30.67	12 AM - Mid	3,520	3,120	6,640
Tuesday 29	763.68	30.47	12 AM - Mid	3,760	2,900	6,660
Wednesday 30	763.43	30.19	12 AM - Mid	3,990	2,880	6,870
Thursday 31	763.25	30.00	12 AM - Mid	3,990	2,700	6,690
Friday 1	763.02	29.75	12 AM - Mid	3,930	2,420	6,350
Saturday 2	762.82	29.53	12 AM - Mid	1,600	2,120	3,720
CHANGE IN STORAGE DURING THE WEEK		-1.54	* 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	764.25	31.09	6	2015	760.11	26.64
2	2023	762.82	29.53	7	2022	759.64	26.16
3	2014	762.41	29.09	8	2016	759.53	26.04
4	2017	762.28	28.95	9	2018	759.16	25.66
5	2019	761.83	28.46	10	2020	758.97	25.46

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: September 9, 2023

DATE	SACANDAGA RESERVOIR			HUDSON RIVER FLOW		
	WATER SURFACE ELEV. 12 A.M.	TOTAL STORAGE B.C.F. <sup>(1)</sup>	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	HADLEY AVG. DAILY C.F.S.	SPIER FALLS AVG. DAILY C.F.S.
Saturday 2	762.82	29.53	12 AM - Mid	1,600	2,120	3,720
Sunday 3	762.75	29.46	12 AM - Mid	1,600	1,880	3,480
Monday 4	762.63	29.33	12 AM - Mid	1,610	1,680	3,290
Tuesday 5	762.57	29.26	12 AM - Mid	1,470	1,580	3,050
Wednesday 6	762.47	29.15	12 AM - Mid	1,470	1,480	2,950
Thursday 7	762.42	29.10	12 AM - Mid	1,770	1,350	3,120
Friday 8	762.32	28.99	12 AM - Mid	1,740	1,510	3,250
Saturday 9	762.21	28.87	12 AM - Mid	1,710	1,640	3,350
CHANGE IN STORAGE DURING THE WEEK		-0.66	* 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	762.23	28.89	6	2022	759.20	25.70
2	2023	762.21	28.87	7	2015	759.16	25.66
3	2017	762.18	28.84	8	2016	758.66	25.14
4	2014	761.83	28.46	9	2018	758.33	24.80
5	2019	761.42	28.03	10	2020	758.15	24.62

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: September 16, 2023

DATE	SACANDAGA RESERVOIR			HUDSON RIVER FLOW		
	WATER SURFACE ELEV. 12 A.M.	TOTAL STORAGE B.C.F. <sup>(1)</sup>	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	HADLEY AVG. DAILY C.F.S.	SPIER FALLS AVG. DAILY C.F.S.
Saturday 9	762.21	28.87	12 AM - Mid	1,710	1,640	3,350
Sunday 10	762.06	28.70	12 AM - Mid	1,720	1,680	3,400
Monday 11	762.04	28.69	12 AM - Mid	1,720	1,700	3,420
Tuesday 12	761.92	28.56	12 AM - Mid	1,740	1,750	3,490
Wednesday 13	761.88	28.52	12 AM - Mid	1,730	2,040	3,770
Thursday 14	761.84	28.48	12 AM - Mid	1,550	2,380	3,930
Friday 15	761.80	28.43	12 AM - Mid	2,150	2,280	4,430
Saturday 16	761.68	28.30	12 AM - Mid	1,900	2,040	3,940
CHANGE IN STORAGE DURING THE WEEK		-0.57	* 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	761.68	28.30	6	2022	758.59	25.07
2	2017	761.66	28.28	7	2015	758.58	25.06
3	2021	761.49	28.10	8	2018	758.46	24.93
4	2014	761.15	27.74	9	2016	757.79	24.25
5	2019	760.90	27.47	10	2020	757.25	23.71

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: September 23, 2023

DATE	SACANDAGA RESERVOIR			HUDSON RIVER FLOW		
	WATER SURFACE ELEV. 12 A.M.	TOTAL STORAGE B.C.F. <sup>(1)</sup>	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	HADLEY AVG. DAILY C.F.S.	SPIER FALLS AVG. DAILY C.F.S.
Saturday 16	761.68	28.30	12 AM - Mid	1,900	2,040	3,940
Sunday 17	761.57	28.19	12 AM - Mid	1,890	1,960	3,850
Monday 18	761.38	27.98	12 AM - Mid	1,000	1,840	2,840
Tuesday 19	761.43	28.04	12 AM - Mid	1,150	1,750	2,900
Wednesday 20	761.45	28.06	12 AM - Mid	1,000	1,770	2,770
Thursday 21	761.31	27.90	12 AM - Mid	997	1,590	2,587
Friday 22	761.26	27.85	12 AM - Mid	985	1,580	2,565
Saturday 23	761.23	27.82	12 AM - Mid	1,300	1,420	2,720
CHANGE IN STORAGE DURING THE WEEK		-0.48	* 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	761.23	27.82	6	2022	758.31	24.77
2	2021	761.22	27.81	7	2015	757.85	24.31
3	2017	761.12	27.70	8	2018	757.84	24.30
4	2014	760.45	27.00	9	2016	757.05	23.50
5	2019	760.27	26.81	10	2020	756.22	22.67

CAPACITY AT SPILLWAY CREST (EL 770.12) 37.72 B.C.F.  
 CAPACITY AT LOW FLOW LINE (EL 734.12) 4.60 B.C.F.

(1) Includes dead storage below El. 734.12 ft.  
 Datum: NAVD 88

\_\_\_\_\_  
 CHIEF ENGINEER

STATE OF NEW YORK  
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
**INDIAN LAKE RESERVOIR OPERATION**  
FOR WEEK ENDING: September 2, 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 26	1,647.36	3.02	12 AM - Mid	442	347	1,510
Sunday 27	1,647.22	3.00	12 AM - Mid	440	319	1,430
Monday 28	1,647.07	2.97	12 AM - Mid	437	282	1,260
Tuesday 29	1,646.95	2.95	12 AM - Mid	437	253	1,280
Wednesday 30	1,646.79	2.92	12 AM - Mid	252	235	1,160
Thursday 31	1,646.84	2.93	12 AM - Mid	160	222	1,070
Friday 1	1,646.84	2.93	12 AM - Mid	160	204	826
Saturday 2	1,646.84	2.93	12 AM - Mid	160	185	844

CHANGE IN STORAGE DURING THE WEEK	-0.09	* 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	2021	1,647.57	3.06	6	2018	1,646.19	2.82
2	2023	1,646.84	2.93	7	2019	1,645.84	2.76
3	2022	1,646.37	2.84	8	2014	1,644.98	2.61
4	2020	1,646.31	2.84	9	2015	1,644.57	2.54
5	2017	1,646.22	2.82	10	2016	1,644.49	2.53

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: September 9, 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 2	1,646.84	2.93	12 AM - Mid	160	185	844
Sunday 3	1,646.83	2.93	12 AM - Mid	159	170	703
Monday 4	1,646.76	2.91	12 AM - Mid	158	156	656
Tuesday 5	1,646.74	2.91	12 AM - Mid	158	144	611
Wednesday 6	1,646.70	2.90	12 AM - Mid	157	134	486
Thursday 7	1,646.64	2.89	12 AM - Mid	157	127	644
Friday 8	1,646.64	2.89	12 AM - Mid	156	133	576
Saturday 9	1,646.57	2.88	12 AM - Mid	156	136	729

CHANGE IN STORAGE DURING THE WEEK	-0.05	* 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	2023	1,646.57	2.88	6	2019	1,645.70	2.73
2	2022	1,646.20	2.82	7	2021	1,645.52	2.70
3	2017	1,646.17	2.81	8	2014	1,644.32	2.50
4	2020	1,645.93	2.77	9	2015	1,643.86	2.42
5	2018	1,645.82	2.75	10	2016	1,643.81	2.41

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: September 16, 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 9	1,646.57	2.88	12 AM - Mid	156	136	729
Sunday 10	1,646.54	2.87	12 AM - Mid	155	133	680
Monday 11	1,646.50	2.87	12 AM - Mid	155	169	643
Tuesday 12	1,646.59	2.88	12 AM - Mid	203	209	850
Wednesday 13	1,646.60	2.88	12 AM - Mid	223	202	905
Thursday 14	1,646.62	2.89	12 AM - Mid	223	198	1,050
Friday 15	1,646.56	2.88	12 AM - Mid	247	191	843
Saturday 16	1,646.47	2.86	12 AM - Mid	256	163	878

CHANGE IN STORAGE DURING THE WEEK	-0.02	* 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	2023	1,646.47	2.86	6	2019	1,645.42	2.68
2	2018	1,645.95	2.77	7	2021	1,644.21	2.48
3	2022	1,645.88	2.76	8	2014	1,643.89	2.42
4	2017	1,645.81	2.75	9	2015	1,643.57	2.37
5	2020	1,645.45	2.69	10	2016	1,643.12	2.30

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: September 23, 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 16	1,646.47	2.86	12 AM - Mid	256	163	878
Sunday 17	1,646.38	2.85	12 AM - Mid	256	137	756
Monday 18	1,646.31	2.84	12 AM - Mid	256	128	649
Tuesday 19	1,646.24	2.82	12 AM - Mid	256	125	790
Wednesday 20	1,646.16	2.81	12 AM - Mid	256	118	628
Thursday 21	1,646.04	2.79	12 AM - Mid	255	116	717
Friday 22	1,645.97	2.78	12 AM - Mid	254	114	562
Saturday 23	1,645.84	2.76	12 AM - Mid	254	99	665

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	2023	1,645.84	2.76	6	2020	1,644.91	2.60
2	2022	1,645.70	2.73	7	2014	1,643.32	2.33
3	2018	1,645.60	2.71	8	2015	1,643.06	2.29
4	2017	1,645.32	2.67	9	2021	1,642.96	2.27
5	2019	1,645.00	2.61	10	2016	1,642.72	2.23

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

Datum: NAVD 88

\_\_\_\_\_  
CHIEF ENGINEER

STATE OF NEW YORK  
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
**STILLWATER RESERVOIR OPERATION**  
FOR WEEK ENDING: [September 2, 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 26	1,678.61	4.59	12 AM -Mid	1,000	1,190	4,970
Sunday 27	1,678.43	4.54	12 AM -Mid	1,000	1,210	4,600
Monday 28	1,678.23	4.49	12 AM -Mid	1,000	1,150	4,300
Tuesday 29	1,678.00	4.42	12 AM -Mid	1,000	1,130	3,910
Wednesday 30	1,677.81	4.37	12 AM -Mid	1,000	1,180	3,730
Thursday 31	1,677.66	4.33	12 AM -Mid	1,000	1,130	3,830
Friday 1	1,677.45	4.28	12 AM -Mid	883	1,130	3,900
Saturday 2	1,677.26	4.23	12 AM -Mid	800	1,080	3,650

CHANGE IN STORAGE DURING THE WEEK	-0.36	
-----------------------------------	-------	--

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2021	1,677.58	4.31	6	2019	1,672.56	3.09
2	2023	1,677.26	4.23	7	2015	1,672.55	3.09
3	2022	1,674.56	3.55	8	2014	1,672.47	3.07
4	2016	1,673.14	3.22	9	2020	1,669.80	2.52
5	2017	1,672.85	3.15	10	2018	1,669.25	2.43

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: [September 9, 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 2	1,677.26	4.23	12 AM -Mid	800	1,080	3,650
Sunday 3	1,677.06	4.17	12 AM -Mid	800	941	3,160
Monday 4	1,676.89	4.13	12 AM -Mid	800	904	2,740
Tuesday 5	1,676.70	4.08	12 AM -Mid	800	900	2,620
Wednesday 6	1,676.51	4.04	12 AM -Mid	800	850	2,300
Thursday 7	1,676.30	3.98	12 AM -Mid	800	993	2,360
Friday 8	1,676.11	3.93	12 AM -Mid	800	958	2,400
Saturday 9	1,675.91	3.88	12 AM -Mid	800	922	2,550

CHANGE IN STORAGE DURING THE WEEK	-0.35	
-----------------------------------	-------	--

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2021	1,676.70	4.08	6	2016	1,672.48	3.08
2	2023	1,675.91	3.88	7	2015	1,671.95	2.96
3	2022	1,673.44	3.29	8	2014	1,671.82	2.93
4	2017	1,672.84	3.15	9	2020	1,668.98	2.38
5	2019	1,672.69	3.12	10	2018	1,668.36	2.28

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: [September 16, 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 9	1,675.91	3.88	12 AM -Mid	800	922	2,550
Sunday 10	1,675.71	3.83	12 AM -Mid	800	970	2,790
Monday 11	1,675.49	3.78	12 AM -Mid	800	923	3,010
Tuesday 12	1,675.29	3.73	12 AM -Mid	800	939	2,870
Wednesday 13	1,675.06	3.67	12 AM -Mid	800	949	2,690
Thursday 14	1,674.87	3.62	12 AM -Mid	800	1,020	2,900
Friday 15	1,674.65	3.57	12 AM -Mid	800	1,040	2,880
Saturday 16	1,674.41	3.52	12 AM -Mid	800	1,030	2,630

CHANGE IN STORAGE DURING THE WEEK	-0.37					
-----------------------------------	-------	--	--	--	--	--

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2021	1,675.74	3.84	6	2015	1,671.59	2.88
2	2023	1,674.41	3.52	7	2016	1,671.32	2.82
3	2022	1,672.41	3.06	8	2014	1,671.10	2.78
4	2017	1,672.34	3.04	9	2020	1,668.02	2.22
5	2019	1,672.33	3.04	10	2018	1,667.52	2.14

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: [September 23, 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 16	1,674.41	3.52	12 AM -Mid	800	1,030	2,630
Sunday 17	1,674.16	3.46	12 AM -Mid	800	968	2,390
Monday 18	1,673.93	3.40	12 AM -Mid	800	823	2,230
Tuesday 19	1,673.67	3.34	12 AM -Mid	800	916	2,070
Wednesday 20	1,673.44	3.29	12 AM -Mid	800	954	2,140
Thursday 21	1,673.19	3.23	12 AM -Mid	800	958	2,180
Friday 22	1,672.94	3.18	12 AM -Mid	800	914	2,170
Saturday 23	1,672.68	3.12	12 AM -Mid	800	854	2,040

CHANGE IN STORAGE DURING THE WEEK	-0.40
-----------------------------------	-------

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2021	1,674.61	3.56	6	2015	1,671.06	2.77
2	2023	1,672.68	3.12	7	2016	1,670.51	2.66
3	2022	1,671.98	2.97	8	2014	1,670.27	2.61
4	2019	1,671.74	2.91	9	2020	1,667.06	2.06
5	2017	1,671.65	2.90	10	2018	1,666.52	1.97

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: **September 2, 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 26	1,706.79	0.896	32	1,785.91	0.299	10
Sunday 27	1,706.82	0.900	32	1,785.96	0.301	10
Monday 28	1,706.81	0.899	25	1,785.97	0.301	10
Tuesday 29	1,706.81	0.899	20	1,785.98	0.301	10
Wednesday 30	1,706.84	0.903	20	1,785.99	0.302	10
Thursday 31	1,706.85	0.904	20	1,786.00	0.302	10
Friday 1	1,706.85	0.904	20	1,786.01	0.302	10
Saturday 2	1,706.84	0.903	20	1,786.00	0.302	10
CHANGE IN STORAGE		0.007			0.003	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2022	1,707.17	0.950	1	2022	1,786.06	0.304
2	2020	1,706.97	0.922	2	2023	1,786.00	0.302
3	2019	1,706.97	0.922	3	2019	1,785.95	0.300
4	2021	1,706.92	0.915	4	2021	1,785.86	0.298
5	2023	1,706.84	0.903	5	2020	1,785.80	0.296

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: **September 9, 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 2	1,706.84	0.903	20	1,786.00	0.302	10
Sunday 3	1,706.82	0.900	20	1,785.99	0.302	10
Monday 4	1,706.84	0.903	20	1,786.01	0.302	10
Tuesday 5	1,706.84	0.903	20	1,786.00	0.302	10
Wednesday 6	1,706.84	0.903	20	1,785.98	0.301	10
Thursday 7	1,706.85	0.904	20	1,785.98	0.301	10
Friday 8	1,706.89	0.910	20	1,786.00	0.302	10
Saturday 9	1,706.87	0.907	20	1,785.99	0.302	10
CHANGE IN STORAGE		0.004			0.000	

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	1,707.03	0.929	1	2019	1,786.03	0.303
2	2022	1,707.02	0.927	2	2022	1,786.02	0.303
3	2020	1,707.01	0.927	3	2023	1,785.99	0.302
4	2023	1,706.87	0.907	4	2021	1,785.97	0.301
5	2019	1,706.82	0.900	5	2020	1,785.83	0.297

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: **September 16, 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 9	1,706.87	0.907	20	1,785.99	0.302	10
Sunday 10	1,706.89	0.910	20	1,786.00	0.302	10
Monday 11	1,706.88	0.909	20	1,785.99	0.302	10
Tuesday 12	1,706.88	0.909	20	1,785.99	0.302	10
Wednesday 13	1,706.87	0.907	20	1,785.99	0.302	10
Thursday 14	1,706.88	0.909	20	1,785.99	0.302	10
Friday 15	1,706.87	0.907	20	1,785.97	0.301	10
Saturday 16	1,706.86	0.905	20	1,785.97	0.301	10
CHANGE IN STORAGE		-0.001			-0.001	

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	1,707.01	0.927	1	2023	1,785.97	0.301
2	2021	1,706.91	0.913	2	2022	1,785.98	0.301
3	2023	1,706.86	0.905	3	2021	1,786.02	0.303
4	2019	1,706.86	0.905	4	2020	1,785.81	0.296
5	2022	1,706.76	0.893	5	2019	1,786.05	0.304

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: **September 23, 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 16	1,706.86	0.905	20	1,785.97	0.301	10
Sunday 17	1,706.85	0.904	20	1,785.95	0.300	10
Monday 18	1,706.86	0.905	20	1,785.96	0.301	10
Tuesday 19	1,706.86	0.905	20	1,785.96	0.301	10
Wednesday 20	1,706.87	0.907	20	1,785.96	0.301	10
Thursday 21	1,706.87	0.907	20	1,785.96	0.301	10
Friday 22	1,706.87	0.907	20	1,785.94	0.300	10
Saturday 23	1,706.87	0.907	20	1,785.94	0.300	10
CHANGE IN STORAGE		0.001			-0.001	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2022	1,706.96	0.920	1	2021	1,786.03	0.303
2	2020	1,706.96	0.920	2	2023	1,785.94	0.300
3	2021	1,706.95	0.919	3	2022	1,785.91	0.299
4	2023	1,706.87	0.907	4	2019	1,785.88	0.298
5	2019	1,706.75	0.892	5	2020	1,785.75	0.294

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

Datum: NAVD 88

\_\_\_\_\_  
CHIEF ENGINEER

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

Activity report for September 2023

**SFO**

- Performed lawn maintenance of facility.
- Cleaned offices and conference room weekly.
- Performed maintenance on vehicles and equipment.
- Finished Erosion Prevention with the workboat. Total 1464 tons on 625' of shoreline.
- Removed the workboat, skiff, and pontoon boat from the water.

**Indian Lake**

- Coordinated with Frontier Communications to move internet service.
- Installed two staff elevation gauges on the dam.

**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.
- Installed a new wire in conduit for a future National Weather station.

Respectfully,

Matthew Ginter

Operations Manager

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

- Road maintenance, raked, trimming roadsides
- Vehicle/equipment maintenance
- Serviced mowing equipment
- Worked on North Embankment weir
- Picked up bridge rail at Lewis County DOT site
- Ditch cleaning on north earthen embankment SW dam
- Ditch cleaning on north side of SW dam
- Continued mowing at facilities
- Installed concrete/angle iron for cover over south weir
- Continue bridge rail project
- Installed chamber, fabric, stone on back side of north weir
- Released water for CAP-PY Duck Race in Old Forge
- Repaired log booms at SW dam
- 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.