

..REPORT OF CHIEF ENGINEER  
HUDSON RIVER - BLACK RIVER REGULATING DISTRICT  
BOARD MEETING  
OCTOBER 12, 2022 – LOWVILLE

**HUDSON RIVER AREA - SEPTEMBER SUMMARY**

**Reservoir Operation**

Great Sacandaga Lake

The September average daily release from the Sacandaga Reservoir (Great Sacandaga Lake) was approximately 1,250 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) (1)		Release (cfs)	
		From Average	From Offer of Settlement	Conklingville Dam	E.J. West (2) Hydro Plant
Aug. 31	759.91	+0.90	-2.59	0	1,630
Sept. 30	757.9 (e)	+1.7 (e)	-2.3 (e)	0	1,060 (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 September average daily release from Indian Lake was approximately 150 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	
Aug. 31	1,646.47	+0.49	-0.23	151
Sept. 30	1,645.45 (e)	+1.3 (e)	-0.7 (e)	150 (e)

- Notes: (1) Local datum = NAVD elevation + 1617.63ft; spillway crest = 1651.01ft (33.38ft)  
(2) "(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 2,200 cfs on September 25 and approximately 1,130 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	256 (e)	375
<b>Sacandaga</b> at Stewarts Bridge	1,250 (e)	1,820
<b>Indian</b> at Indian Lake Dam	150 (e)	325
<b>Hudson</b> at Hadley (1)	940 (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 108%, 97%, and 100% historic average at Indian Lake, Mayfield, and Conklingville, respectively, as of September 25

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

<b>Station</b>	<b>Monthly Total (inch)</b>	<b>Historic Average (inch)</b>
<b>Indian Lake</b>	4.10	3.79
<b>Mayfield</b>	3.95	4.07
<b>Conklingville</b>	3.70	3.71

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

### **Operation Overview**

Precipitation during the month of September was above average across the Great Sacandaga Lake watershed and above average in Indian Lake watershed. The monthly inflow to Great Sacandaga Lake and Indian Lake reservoir was approximately 66% and 58% of historic average, respectively. Monthly release of water from Great Sacandaga Lake and Indian Lake measured 68% and 62% of historic average, respectively.

### **Great Sacandaga Lake Operation**

Great Sacandaga Lake operation summary report for the period September 1, 2022 through September 25, 2022 is attached. This report includes projected and forecast values for dates after September 25, 2022.

### **Hudson River Area Staff Activities**

Staff completed routine maintenance and operations activities during the month.

A summary of 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 600 cfs. The maximum discharge for the month was 600 cfs.

Table 1.0 - *Stillwater Reservoir Elevation and Release*

<b>Date</b>	<b>Daily Average Elevation (ft, NAVD)</b>	<b>Deviation from Average Elevation (ft) (1)</b>	<b>Release (cfs)</b>
Aug. 31	1,674.79	+2.27	600
Sept. 30	1,671.0 (e)	-0.9 (e)	600 (e)

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

#### Sixth Lake Reservoir

The September average daily release from Sixth Lake Reservoir was approximately 24 cfs.

Table 2.0 - *Sixth Lake Reservoir Elevation and Release*

<b>Date</b>	<b>Elevation (1) (ft, NAVD)</b>	<b>Deviation from Average Elevation (2) (ft)</b>	<b>Release (cfs)</b>
Aug. 31	1,786.14	+0.38	35
Sept. 30	1,785.7 (e)	+0.5 (e)	8 (e)

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

#### Old Forge Reservoir

The September average daily release from Old Forge Reservoir was approximately 67 cfs.

Table 3.0 - *Old Forge Reservoir Elevation and Release*

<b>Date</b>	<b>Elevation (1) (ft, NAVD)</b>	<b>Deviation from Average Elevation (2) (ft)</b>	<b>Release (cfs)</b>
Aug. 31	1707.08	+0.14	16
Sept. 30	1,706.9 (e)	+0.3 (e)	16 (e)

Notes: <sup>(1)</sup> Local Datum = USGS elevation  
<sup>(2)</sup> Difference between current reservoir elevation and historic average.  
<sup>(3)</sup> "(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 3,740 cfs on September 25.

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	490 (e)	429
<b>Beaver</b> at Croghan	820 (e)	505
<b>Black</b> at Watertown	3,010 (e)	2,140

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

### Precipitation

Monthly total precipitation measured 123%, 103%, 128% of historic average at Stillwater, Old Forge, and Sixth Lake, respectively, as of September 25.

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

<b>Station</b>	<b>Monthly Total (inch)</b>	<b>Historic Average (inch)</b>
<b>Stillwater</b>	6.14 (e)	5.00
<b>Old Forge</b>	4.92 (e)	4.78
<b>Sixth Lake</b>	5.11 (e)	3.98

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

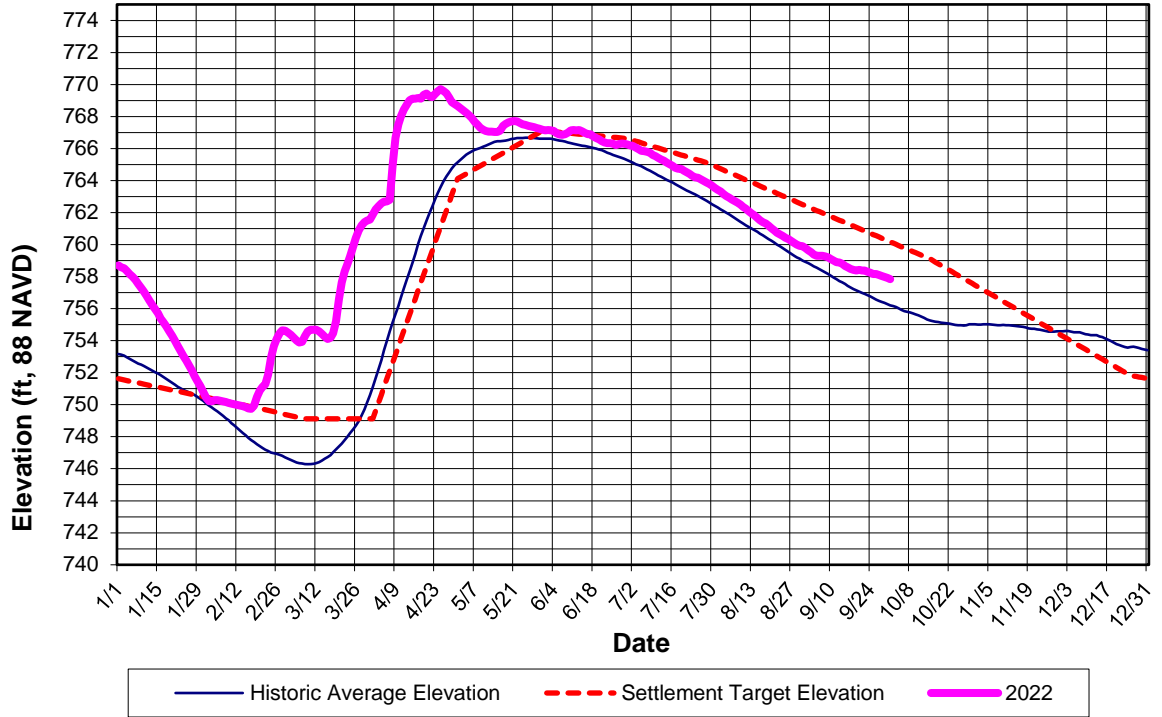
### **Operation Overview**

Precipitation in the month of September was above average at Stillwater, Old Forge and Sixth Lake. The monthly inflow to Stillwater Reservoir was approximately 126% of historic average. The inflow to Sixth Lake and Old Forge Reservoir totaled 0.06 and 0.14 billion cubic feet, respectively, in September. Release of water from Stillwater Reservoir averaged 150% of historic discharge.

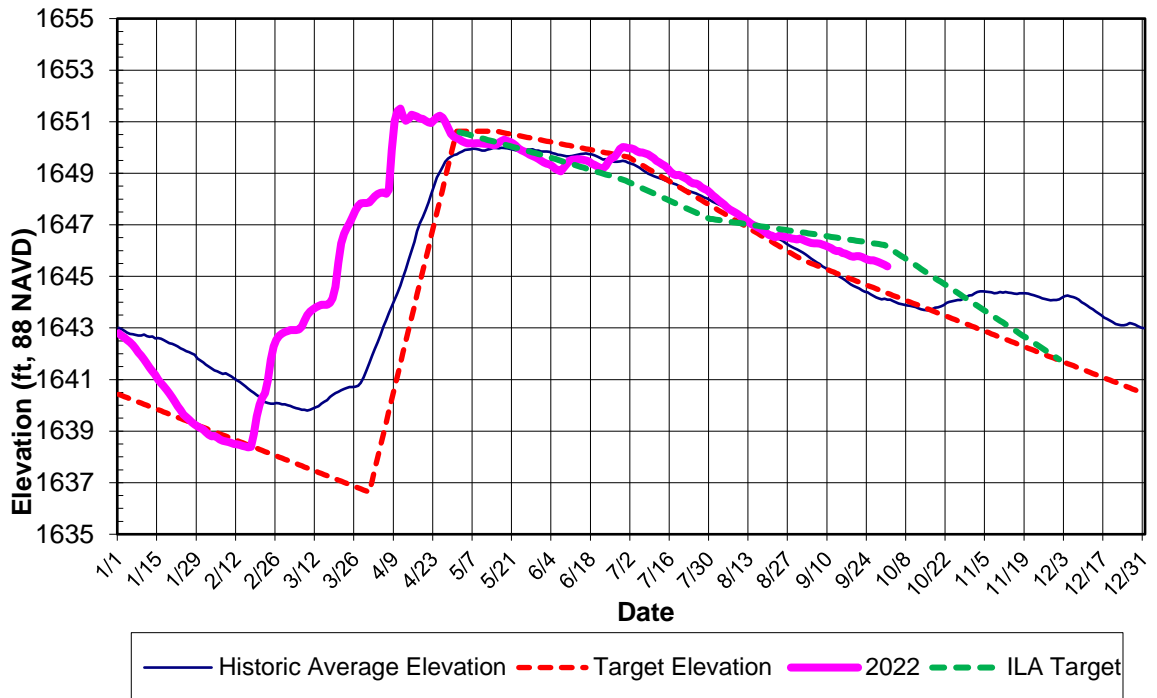
### **Black River Area Staff Activities**

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

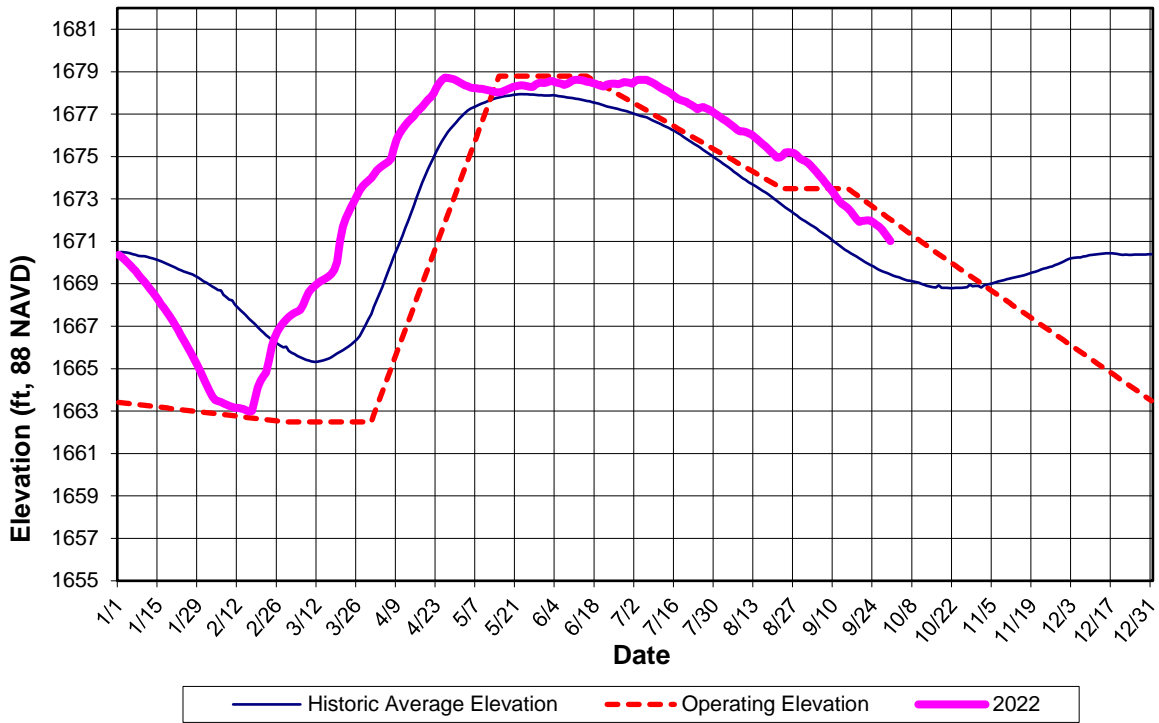
### Great Sacandaga Lake 2022 Reservoir Elevation



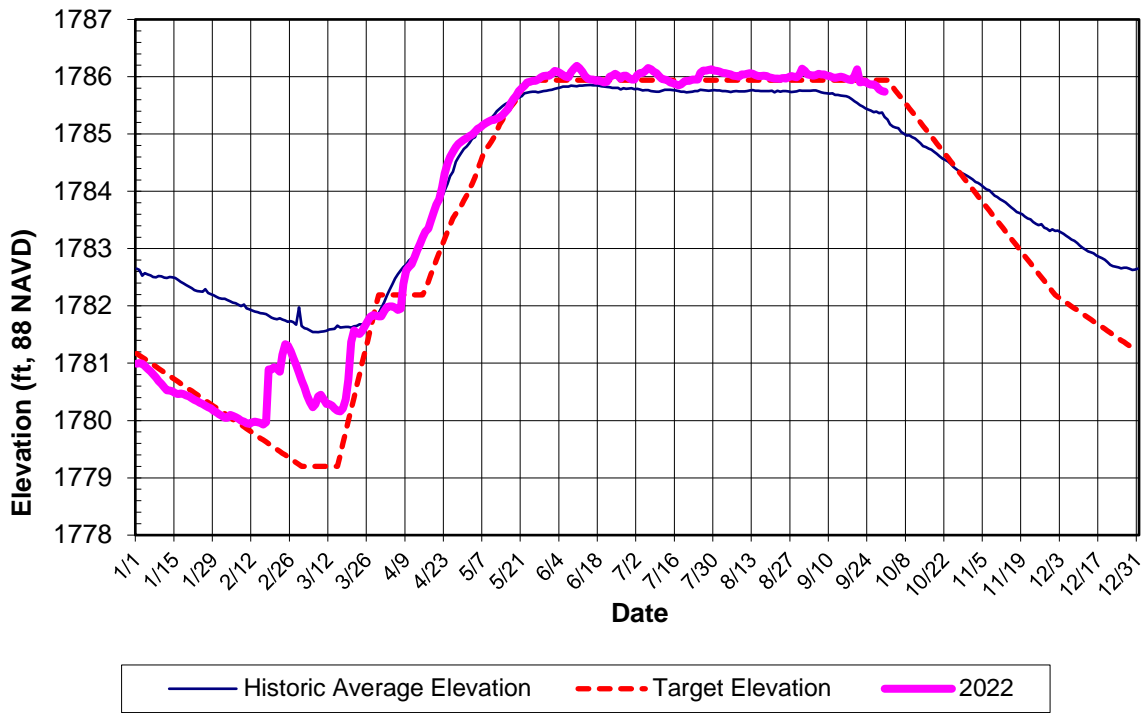
### Indian Lake 2022 Reservoir Elevation



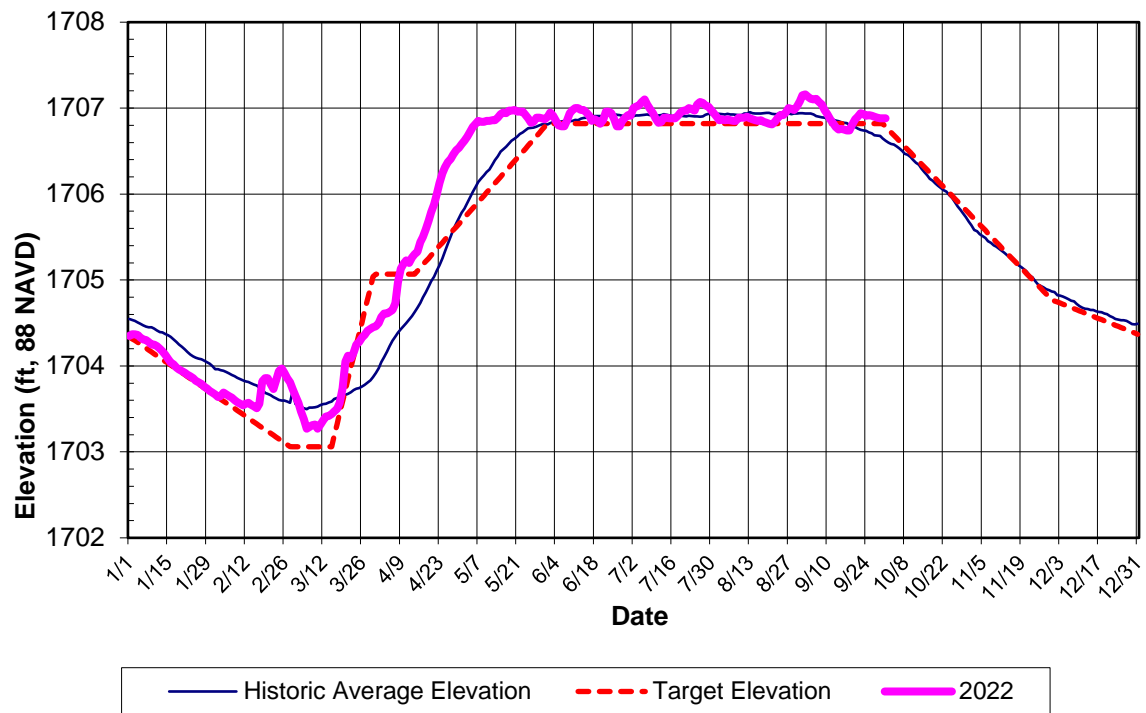
### Stillwater Reservoir 2022 Reservoir Elevation



### Sixth Lake 2022 Reservoir Elevation



### Old Forge 2022 Reservoir Elevation



## Hawkinsville Dam Remediation – Construction Progress

During the month of September The Environmental Service Group completed installation of water and environmental protection devices including those used to control contamination from silt and turbidity. Approximately 200, one cubic yard-size, woven fabric bags have been filled with sand and placed in the Black River to act as a coffer dam to allow dewatering of the spillway east-end abutment. Clearing on the west side of the project is completed and sand-filled bags are being prepared for installation of the west-side coffer dam. Wire saw-cutting of the east end of the spillway has been completed in anticipation of demolition of the east abutment during the first week of October.



*Turbidity Curtain Installation – east side*



*Sand bag cofferdam installation – east side*



*Dewatering east abutment*



*East side coffer dam and turbidity curtain installed*



*West side access*



*West side access preparation*



*Saw cut at east end of spillway*

**SACANDAGA RESERVOIR ELEVATION CALCULATOR**

Datum:

**1988 NAVD**

**Settlement Parameters**

Date	9/27/2022	
Target Elevation	760.47	
Actual "Level"	2.30	
"Level 2.5 threshold"	757.60	
"Level 1.2 threshold"	748.41	
<b>Hudson River Target</b>	<b>Elevation</b>	<b>Level</b>
Maximum Flow (cfs)	8000	7300
Minimum Flow (cfs)	n/a	1760
Min. Rec/Rafting Hours (hrs)	0	

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	9/27/2022	
Day of Year	5749	
Starting Elevation (ft)	758.13	758.10
Average Elevation	758.10	
Flow Below Hadley (cfs)	2100	
Today's Release	1000	
Tomorrow's Release	1000	

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

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

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

Starting Date 12:00 AM	Starting Elevation	Net Average Inflow	E.J. West	Sacandaga River Flow				Settlement Level	Hudson at Hadley	Hudson River Below Confluence	Hudson River Target Flow			Ending Elevation	Ending Date 12:00 AM	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)					
9/1/2022	759.82	100	1620	0	0	1620	4000	2.35	732	2352	1760	8000	7350	759.69	9/2/2022	759.76	762.43	758.92
9/2/2022	759.69	200	1540	0	0	1540	4000	2.35	909	2449	1760	8000	7350	759.57	9/3/2022	759.63	762.35	758.83
9/3/2022	759.57	500	1600	0	0	1600	4000	2.34	735	2335	1760	8000	7340	759.47	9/4/2022	759.52	762.27	758.74
9/4/2022	759.47	0	1580	0	0	1580	4000	2.34	766	2346	1760	8000	7340	759.33	9/5/2022	759.40	762.20	758.65
9/5/2022	759.33	1800	1610	0	0	1610	4000	2.33	727	2337	1760	8000	7330	759.34	9/6/2022	759.34	762.12	758.55
9/6/2022	759.34	1000	1300	0	0	1300	4000	2.33	951	2251	1760	8000	7330	759.31	9/7/2022	759.33	762.05	758.45
9/7/2022	759.31	1100	1310	0	0	1310	4000	2.33	1050	2360	1760	8000	7330	759.29	9/8/2022	759.30	761.97	758.36
9/8/2022	759.29	600	1290	0	0	1290	4000	2.33	959	2249	1760	8000	7330	759.23	9/9/2022	759.26	761.90	758.26
9/9/2022	759.23	500	1300	0	0	1300	4000	2.33	926	2226	1760	8000	7330	759.16	9/10/2022	759.20	761.82	758.16
9/10/2022	759.16	500	1630	0	0	1630	4000	2.33	780	2410	1760	8000	7330	759.06	9/11/2022	759.11	761.75	758.06
9/11/2022	759.06	400	1630	0	0	1630	4000	2.32	793	2423	1760	8000	7320	758.95	9/12/2022	759.01	761.67	757.95
9/12/2022	758.95	600	995	0	0	995	4000	2.32	679	1889	1760	8000	7310	758.91	9/13/2022	758.93	761.60	757.83
9/13/2022	758.91	700	1320	0	0	1320	4000	2.31	569	1869	1760	8000	7310	758.85	9/14/2022	758.88	761.52	757.72
9/14/2022	758.85	0	1340	0	0	1340	4000	2.31	726	2066	1760	8000	7300	758.73	9/15/2022	758.79	761.45	757.64
9/15/2022	758.73	-100	1170	0	0	1170	4000	2.30	879	2049	1760	8000	7300	758.62	9/16/2022	758.68	761.37	757.54
9/16/2022	758.62	200	1130	0	0	1130	4000	2.30	1010	2140	1760	8000	7300	758.54	9/17/2022	758.58	761.30	757.42
9/17/2022	758.54	-100	1070	0	0	1070	4000	2.30	805	1875	1760	8000	7300	758.44	9/18/2022	758.49	761.22	757.32
9/18/2022	758.44	600	1080	0	0	1080	4000	2.30	806	1886	1760	8000	7300	758.39	9/19/2022	758.42	761.15	757.21
9/19/2022	758.39	1700	1060	0	0	1060	4000	2.30	686	1746	1760	8000	7300	758.44	9/20/2022	758.42	761.07	757.13
9/20/2022	758.44	600	1070	0	0	1070	4000	2.30	808	1878	1760	8000	7300	758.40	9/21/2022	758.42	761.00	757.06
9/21/2022	758.40	700	1130	0	0	1130	4000	2.30	1430	2560	1760	8000	7300	758.36	9/22/2022	758.38	760.92	756.98
9/22/2022	758.36	800	1060	0	0	1060	4000	2.30	1480	2540	1760	8000	7300	758.33	9/23/2022	758.35	760.85	756.91
9/23/2022	758.33	300	1090	0	0	1090	4000	2.30	1390	2480	1760	8000	7300	758.26	9/24/2022	758.30	760.77	756.84
9/24/2022	758.26	400	1090	0	0	1090	4000	2.31	1170	2260	1760	8000	7300	758.20	9/25/2022	758.23	760.70	756.75
9/25/2022	758.20	1000	1060	0	0	1060	4000	2.31	1140	2200	1760	8000	7300	758.19	9/26/2022	758.20	760.62	756.65
9/26/2022	758.19	400	1100	0	0	1100	4000	2.31	1050	2150	1760	8000	7310	758.13	9/27/2022	758.16	760.55	756.56
9/27/2022	758.13	400	1000	0	0	1000	4000	2.31	1100	2100	1760	8000	7310	758.07	9/28/2022	758.10	760.47	756.48
9/28/2022	758.07	300	1000	0	0	1000	4000	2.31	1000	2000	1760	8000	7310	758.01	9/29/2022	758.04	760.40	756.41
9/29/2022	758.01	300	1000	0	0	1000	4000	2.32	900	1900	1760	8000	7310	757.95	9/30/2022	757.98	760.32	756.34
9/30/2022	757.95	300	1000	0	0	1000	4000	2.32	800	1800	1760	8000	7310	757.89	10/1/2022	757.92	760.25	756.27
10/1/2022	757.89	300	1500	0	0	1500	4000	2.32	800	2300	1760	8000	7320	757.78	10/2/2022	757.84	760.17	756.20
10/2/2022	757.78	300	1500	0	0	1500	4000	2.32	800	2300	1760	8000	7320	757.67	10/3/2022	760.02	756.15	
6/6/2020	767.29	1000	4000	0	0	4000	5487	3.00	500	4500	2000	8000	7500	777.12	3/15/2019	#N/A	#N/A	

Signature: \_\_\_\_\_

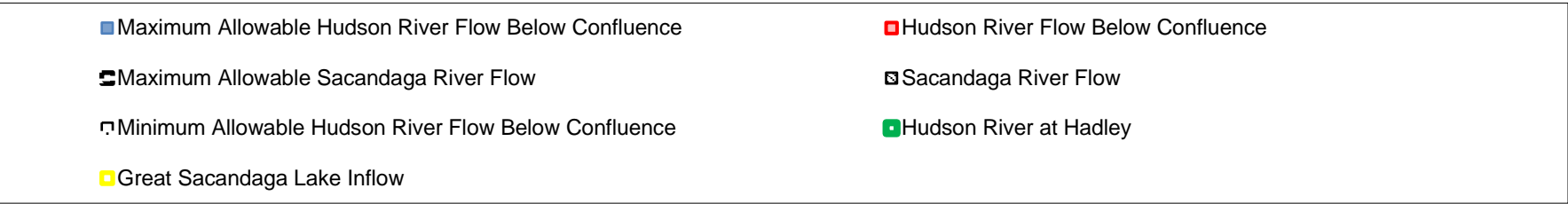
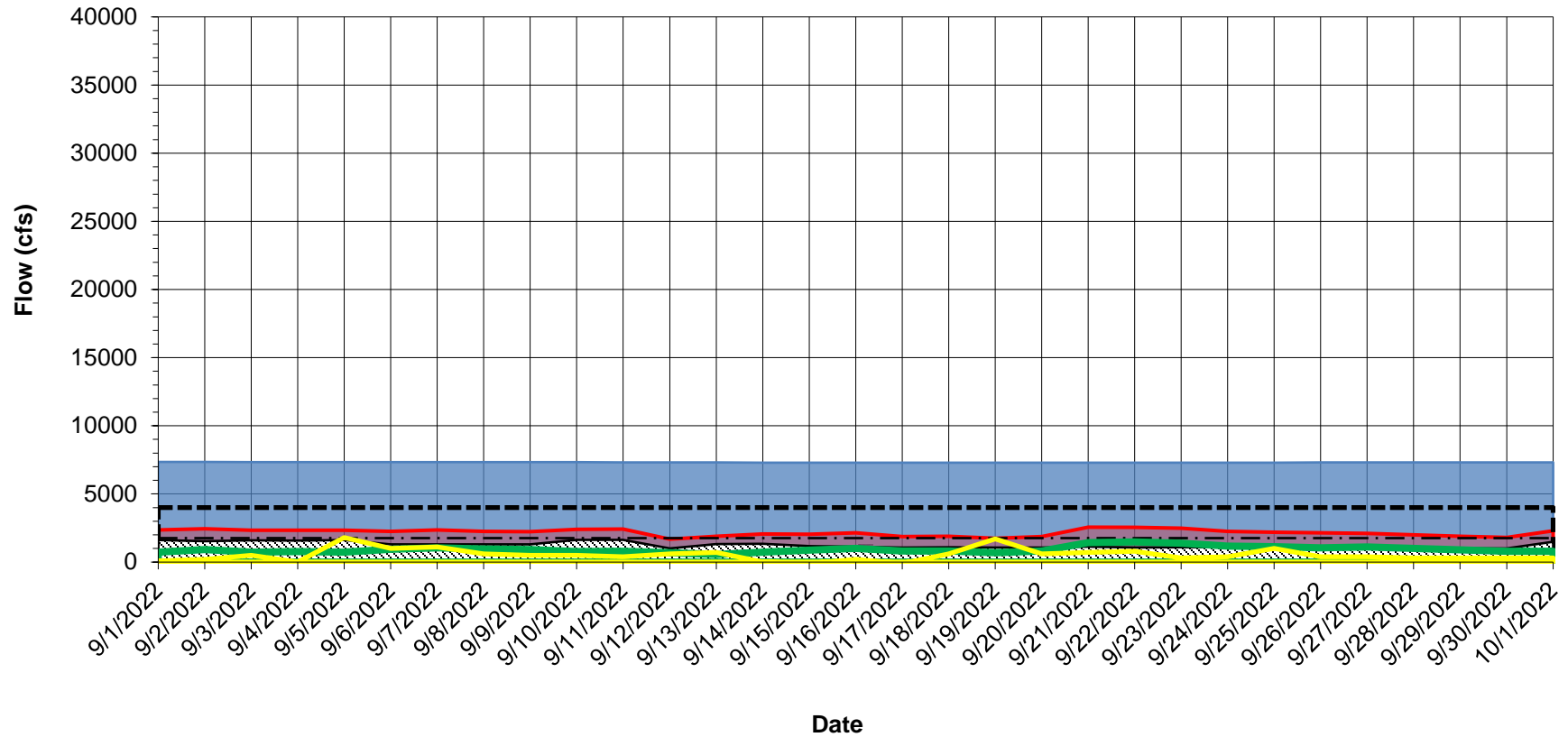
Date: \_\_\_\_\_

**GREAT SACANDAGA LAKE  
RESERVOIR OPERATION SUMMARY**

Print Date: 9/27/2022  
Period of Record: 9/1/2022 to 9/29/2022

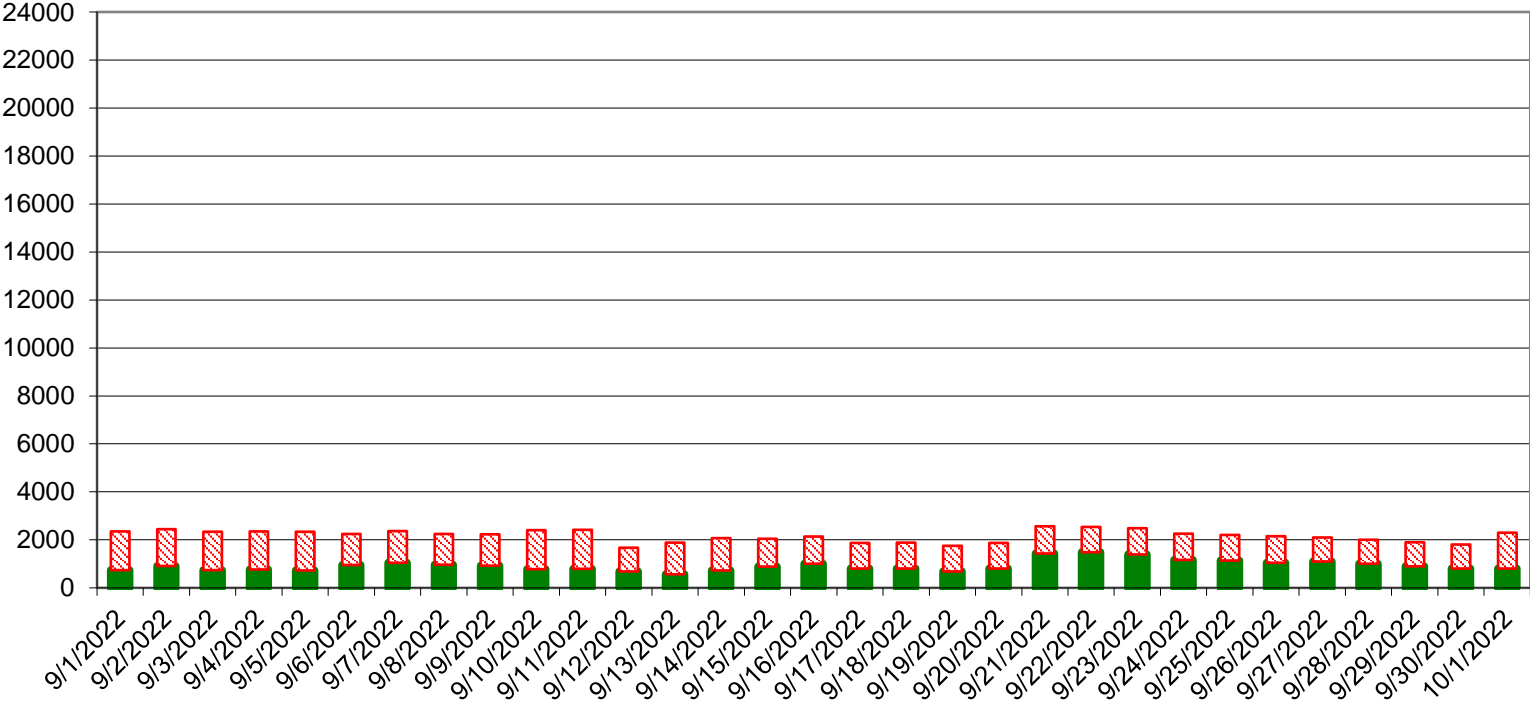
Starting Date 12:00 AM	Daily Avg. Elevation	Net Average Inflow	<b>Sacandaga River Flow</b> Average Release	Maximum (Table F - Elev.)	Settlement Level	Hudson at Hadley	Hudson River Below Confluence	<b>Hudson River Target Flow</b> Minimum (Table B - Level)	Maximum (Table D & E)	Maximum Allowable Sacandaga
9/1/2022	759.76	100	1620	4000	2.35	732	2352	1760	7350	4000
9/2/2022	759.63	200	1540	4000	2.35	909	2449	1760	7350	4000
9/3/2022	759.52	500	1600	4000	2.34	735	2335	1760	7340	4000
9/4/2022	759.40	0	1580	4000	2.34	766	2346	1760	7340	4000
9/5/2022	759.34	1800	1610	4000	2.33	727	2337	1760	7330	4000
9/6/2022	759.33	1000	1300	4000	2.33	951	2251	1760	7330	4000
9/7/2022	759.30	1100	1310	4000	2.33	1050	2360	1760	7330	4000
9/8/2022	759.26	600	1290	4000	2.33	959	2249	1760	7330	4000
9/9/2022	759.20	500	1300	4000	2.33	926	2226	1760	7330	4000
9/10/2022	759.11	500	1630	4000	2.33	780	2410	1760	7330	4000
9/11/2022	759.01	400	1630	4000	2.32	793	2423	1760	7320	4000
9/12/2022	758.93	600	995	4000	2.32	679	1674	1760	7310	4000
9/13/2022	758.88	700	1320	4000	2.31	569	1889	1760	7310	4000
9/14/2022	758.79	0	1340	4000	2.31	726	2066	1760	7300	4000
9/15/2022	758.68	-100	1170	4000	2.30	879	2049	1760	7300	4000
9/16/2022	758.58	200	1130	4000	2.30	1010	2140	1760	7300	4000
9/17/2022	758.49	-100	1070	4000	2.30	805	1875	1760	7300	4000
9/18/2022	758.42	600	1080	4000	2.30	806	1886	1760	7300	4000
9/19/2022	758.42	1700	1060	4000	2.30	686	1746	1760	7300	4000
9/20/2022	758.42	600	1070	4000	2.30	808	1878	1760	7300	4000
9/21/2022	758.38	700	1130	4000	2.30	1430	2560	1760	7300	4000
9/22/2022	758.35	800	1060	4000	2.30	1480	2540	1760	7300	4000
9/23/2022	758.30	300	1090	4000	2.30	1390	2480	1760	7300	4000
9/24/2022	758.23	400	1090	4000	2.31	1170	2260	1760	7300	4000
9/25/2022	758.20	1000	1060	4000	2.31	1140	2200	1760	7300	4000
9/26/2022	758.16	400	1100	4000	2.31	1050	2150	1760	7310	4000
9/27/2022	758.10	400	1000	4000	2.31	1100	2100	1760	7310	4000
9/28/2022	758.04	300	1000	4000	2.31	1000	2000	1760	7310	4000
9/29/2022	757.98	300	1000	4000	2.32	900	1900	1760	7310	4000
9/30/2022	757.92	300	1000	4000	2.32	800	1800	1760	7310	4000
10/1/2022	757.84	300	1500	4000	2.32	800	2300	1760	7320	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 2022

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	763.41	763.46	189	412	1630	757	2387
2	763.31	763.33	140	305	1630	655	2285
3	763.16	763.21	129	281	1620	747	2367
4	763.04	763.07	125	272	1630	603	2233
5	762.93	762.98	123	268	1620	703	2323
6	762.82	762.92	120	261	1620	569	2189
7	762.72	762.69	118	257	1610	672	2282
8	762.61	762.63	113	246	1620	630	2250
9	762.50	762.51	133	290	1630	548	2178
10	762.35	762.38	147	320	1630	642	2272
11	762.23	762.27	133	290	1620	514	2134
12	762.07	762.18	121	264	1610	652	2262
13	761.94	762.00	108	235	1600	509	2109
14	761.81	761.84	100	218	1620	600	2220
15	761.65	761.69	96	209	1590	534	2124
16	761.52	761.61	92	200	1600	425	2025
17	761.40	761.41	88	192	1610	507	2117
18	761.31	761.42	88	192	1620	433	2053
19	761.17	761.21	87	190	1620	525	2145
20	761.01	761.09	82	179	1810	401	2211
21	760.88	760.86	80	174	1620	484	2104
22	760.74	760.79	81	177	1610	452	2062
23	760.64	760.68	126	275	1630	390	2020
24	760.54	760.57	218	475	1620	624	2244
25	760.42	760.45	134	292	1600	599	2199
26	760.33	760.29	97	211	1550	742	2292
27	760.22	760.22	160	349	1600	639	2239
28	760.11	760.12	107	233	1600	792	2392
29	760.00	760.04	100	218	1610	745	2355
30	759.93	759.90	84	183	1070	589	1659
31	759.91	759.87	235	512	1630	710	2340

AVERAGE 121 260 1600 590 2200

CHANGE IN STORAGE DURING THE MONTH -3.97 B.C.F.

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 CHIEF ENGINEER

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

Monthly Report for: August, 2022

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	1648.06	1648.11	22	209	132	384
2	1647.96	1648.01	-20	209	121	521
3	1647.87	1647.90	42	209	114	354
4	1647.78	1647.82	1	209	107	488
5	1647.69	1647.72	63	209	108	331
6	1647.60	1647.65	84	209	113	468
7	1647.54	1647.59	82	207	109	419
8	1647.48	1647.53	26	172	101	298
9	1647.41	1647.46	-74	155	113	434
10	1647.33	1647.36	9	155	156	284
11	1647.26	1647.28	9	155	156	463
12	1647.17	1647.21	-12	155	144	293
13	1647.09	1647.13	9	155	130	431
14	1647.02	1647.06	9	155	114	355
15	1646.96	1646.99	29	154	103	235
16	1646.90	1646.93	-15	152	98	363
17	1646.84	1646.86	48	152	89	234
18	1646.77	1646.80	5	151	77	364
19	1646.69	1646.73	-18	151	71	217
20	1646.61	1646.65	33	151	66	345
21	1646.58	1646.59	92	151	62	302
22	1646.52	1646.56	33	151	71	198
23	1646.54	1646.50	330	153	77	369
24	1646.59	1646.60	92	151	98	349
25	1646.54	1646.56	53	151	117	542
26	1646.53	1646.51	172	152	123	377
27	1646.51	1646.52	92	151	149	601
28	1646.47	1646.49	53	151	147	568
29	1646.45	1646.44	90	149	127	382
30	1646.43	1646.41	288	150	113	490
31	1646.47	1646.48	151	151	139	455

AVERAGE 57 166 111 384

CHANGE IN STORAGE DURING THE MONTH -0.290 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: August 2022

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	1676.87	1676.92	47	400	259	359	1830
2	1676.76	1676.80	165	400	260	417	1530
3	1676.68	1676.72	135	400	200	441	1530
4	1676.58	1676.63	106	400	172	455	1510
5	1676.48	1676.53	135	400	279	412	1350
6	1676.39	1676.44	76	400	323	428	1300
7	1676.27	1676.33	106	400	223	362	1420
8	1676.19	1676.23	253	400	210	386	1270
9	1676.19	1676.18	429	400	422	694	1370
10	1676.16	1676.19	223	400	551	652	1820
11	1676.10	1676.13	311	458	395	508	1910
12	1676.03	1676.08	236	500	267	789	1960
13	1675.93	1675.99	186	500	209	553	1940
14	1675.83	1675.88	157	500	177	620	1510
15	1675.70	1675.76	128	500	195	508	1450
16	1675.58	1675.63	243	500	181	503	1300
17	1675.48	1675.54	157	500	168	519	1180
18	1675.34	1675.42	100	500	314	520	1320
19	1675.21	1675.28	128	500	362	511	1400
20	1675.08	1675.15	71	500	286	532	1450
21	1674.95	1675.00	308	500	187	511	1480
22	1674.95	1674.93	750	500	375	774	1800
23	1675.04	1675.02	757	500	747	795	3290
24	1675.19	1675.11	814	500	599	944	4290
25	1675.20	1675.22	386	500	451	926	4090
26	1675.19	1675.18	616	558	368	768	3230
27	1675.16	1675.20	371	600	388	737	3000
28	1675.05	1675.12	229	600	304	716	2790
29	1674.92	1674.99	408	600	228	671	2430
30	1674.85	1674.92	353	600	255	684	2190
31	1674.79	1674.83	380	600	587	956	2480

AVERAGE			283	484	320	600	1980
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CHANGE IN STORAGE DURING THE MONTH

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 CHIEF ENGINEER

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

Monthly Report for: August, 2022

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1786.09	1786.09	15	0.08	0.17	15
2	1786.07	1786.07	15	0.08	0.17	15
3	1786.06	1786.07	15	0.08	0.17	15
4	1786.05	1786.05	15	0.08	0.17	15
5	1786.04	1786.04	15	0.08	0.17	15
6	1786.02	1786.03	15	0.08	0.17	15
7	1786.01	1786.02	15	0.08	0.17	15
8	1786.00	1786.00	12	0.08	0.17	12
9	1786.04	1786.01	10	0.08	0.08	10
10	1786.04	1786.05	10	0.08	0.08	10
11	1786.05	1786.04	10	0.08	0.08	10
12	1786.06	1786.07	10	0.08	0.08	10
13	1786.05	1786.05	10	0.08	0.08	10
14	1786.03	1786.03	10	0.08	0.08	10
15	1786.01	1786.02	10	0.08	0.08	10
16	1786.01	1786.00	10	0.08	0.08	10
17	1786.02	1786.03	10	0.08	0.08	10
18	1786.01	1786.01	10	0.08	0.08	10
19	1785.99	1786.00	10	0.08	0.08	10
20	1785.98	1785.98	10	0.08	0.08	10
21	1785.97	1785.97	10	0.08	0.08	10
22	1785.97	1785.96	10	0.08	0.08	10
23	1785.96	1785.97	10	0.08	0.08	10
24	1785.98	1785.98	10	0.08	0.08	10
25	1785.97	1785.98	10	0.08	0.08	10
26	1785.99	1785.97	10	0.08	0.08	10
27	1786.01	1786.01	10	0.08	0.08	10
28	1786.00	1786.00	10	0.08	0.08	10
29	1785.99	1785.99	10	0.08	0.08	10
30	1786.04	1786.01	10	0.08	0.08	10
31	1786.14	1786.14	35	0.42	0.42	35

AVERAGE 12 12

CHANGE IN STORAGE DURING THE MONTH 0.001 B.C.F

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 CHIEF ENGINEER

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

Monthly Report for: August, 2022

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1706.90	1706.93	4	0.67	0.67	84
2	1706.86	1706.88	40	0.17	0.17	40
3	1706.87	1706.88	16	0.17	0.17	16
4	1706.86	1706.88	1	0.17	0.17	16
5	1706.87	1706.87	16	0.17	0.17	16
6	1706.86	1706.87	1	0.17	0.17	16
7	1706.85	1706.86	16	0.17	0.17	16
8	1706.85	1706.86	31	0.17	0.17	16
9	1706.89	1706.87	62	0.17	0.17	16
10	1706.89	1706.90	0	0.17	0.17	16
11	1706.89	1706.89	48	0.17	0.17	16
12	1706.90	1706.91	-16	0.17	0.17	16
13	1706.88	1706.89	-14	0.17	0.17	16
14	1706.87	1706.87	1	0.17	0.17	16
15	1706.86	1706.86	1	0.17	0.17	16
16	1706.85	1706.85	31	0.17	0.17	16
17	1706.86	1706.86	1	0.17	0.17	16
18	1706.84	1706.85	1	0.17	0.17	16
19	1706.83	1706.84	1	0.17	0.17	16
20	1706.82	1706.83	1	0.17	0.17	16
21	1706.81	1706.82	16	0.17	0.17	16
22	1706.84	1706.82	91	0.17	0.17	16
23	1706.88	1706.87	95	0.17	0.17	16
24	1706.92	1706.92	32	0.17	0.17	16
25	1706.92	1706.93	16	0.17	0.17	16
26	1706.95	1706.93	113	0.17	0.17	16
27	1707.00	1706.99	32	0.17	0.17	16
28	1706.99	1707.00	0	0.17	0.17	16
29	1706.98	1706.99	65	0.17	0.17	16
30	1707.02	1707.02	113	0.17	0.17	16
31	1707.08	1707.08	113	0.17	0.17	16

AVERAGE 30 19

CHANGE IN STORAGE DURING THE MONTH 0.029 B.C.F

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 CHIEF ENGINEER

STATE OF NEW YORK  
 HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
**SACANDAGA RESERVOIR OPERATION**  
 FOR WEEK ENDING: September 3, 2022

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 27	760.22	26.76	12 AM - Mid	1,600	639	2,239
Sunday 28	760.12	26.65	12 AM - Mid	1,600	792	2,392
Monday 29	760.04	26.57	12 AM - Mid	1,610	745	2,355
Tuesday 30	759.90	26.43	12 AM - Mid	1,070	589	1,659
Wednesday 31	759.87	26.39	12 AM - Mid	1,630	710	2,340
Thursday 1	759.74	26.26	12 AM - Mid	1,620	732	2,352
Friday 2	759.64	26.16	12 AM - Mid	1,540	909	2,449
Saturday 3	759.55	26.06	12 AM - Mid	1,600	735	2,335
CHANGE IN STORAGE DURING THE WEEK		-0.70	* 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	2021	763.95	30.76	6	2015	759.98	26.51
2	2014	762.39	29.07	7	2022	759.55	26.06
3	2017	762.26	28.93	8	2016	759.38	25.88
4	2013	762.02	28.67	9	2018	759.08	25.57
5	2019	761.79	28.42	10	2020	758.87	25.36

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

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 CHIEF ENGINEER

STATE OF NEW YORK  
 HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
**SACANDAGA RESERVOIR OPERATION**  
 FOR WEEK ENDING: September 10, 2022

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 3	759.55	26.06	12 AM - Mid	1,600	735	2,335
Sunday 4	759.43	25.94	12 AM - Mid	1,580	766	2,346
Monday 5	759.33	25.83	12 AM - Mid	1,610	727	2,337
Tuesday 6	759.28	25.78	12 AM - Mid	1,300	951	2,251
Wednesday 7	759.31	25.80	12 AM - Mid	1,310	1,050	2,360
Thursday 8	759.28	25.78	12 AM - Mid	1,290	959	2,249
Friday 9	759.24	25.74	12 AM - Mid	1,300	926	2,226
Saturday 10	759.16	25.66	12 AM - Mid	1,630	780	2,410
CHANGE IN STORAGE DURING THE WEEK		-0.41	* 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	2017	762.11	28.76	6	2022	759.16	25.66
2	2021	761.96	28.60	7	2015	759.01	25.50
3	2014	761.75	28.38	8	2016	758.52	25.00
4	2019	761.36	27.96	9	2018	758.24	24.71
5	2013	761.19	27.78	10	2020	758.03	24.49

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

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 CHIEF ENGINEER

STATE OF NEW YORK  
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
**SACANDAGA RESERVOIR OPERATION**  
FOR WEEK ENDING: September 17, 2022

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 10	759.16	25.66	12 AM - Mid	1,630	780	2,410
Sunday 11	759.01	25.50	12 AM - Mid	1,630	793	2,423
Monday 12	758.91	25.40	12 AM - Mid	995	679	1,674
Tuesday 13	758.91	25.40	12 AM - Mid	1,320	569	1,889
Wednesday 14	758.85	25.34	12 AM - Mid	1,340	726	2,066
Thursday 15	758.75	25.23	12 AM - Mid	1,170	879	2,049
Friday 16	758.65	25.13	12 AM - Mid	1,130	1,010	2,140
Saturday 17	758.50	24.98	12 AM - Mid	1,070	805	1,875
CHANGE IN STORAGE DURING THE WEEK		-0.68	* 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	2017	761.57	28.19	6	2022	758.50	24.98
2	2021	761.49	28.10	7	2015	758.50	24.98
3	2014	761.05	27.63	8	2018	758.38	24.85
4	2019	760.81	27.38	9	2016	757.65	24.11
5	2013	760.56	27.12	10	2020	757.08	23.53

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

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CHIEF ENGINEER

STATE OF NEW YORK  
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
**SACANDAGA RESERVOIR OPERATION**  
FOR WEEK ENDING: September 24, 2022

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 17	758.50	24.98	12 AM - Mid	1,070	805	1,875
Sunday 18	758.49	24.97	12 AM - Mid	1,080	806	1,886
Monday 19	758.38	24.85	12 AM - Mid	1,060	686	1,746
Tuesday 20	758.40	24.87	12 AM - Mid	1,070	808	1,878
Wednesday 21	758.41	24.88	12 AM - Mid	1,130	1,430	2,560
Thursday 22	758.36	24.83	12 AM - Mid	1,060	1,480	2,540
Friday 23	758.29	24.76	12 AM - Mid	1,090	1,390	2,480
Saturday 24	758.24	24.71	12 AM - Mid	1,090	1,170	2,260
CHANGE IN STORAGE DURING THE WEEK		-0.27	* 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	761.64	28.26	6	2022	758.24	24.71
2	2017	761.01	27.59	7	2015	757.71	24.17
3	2014	760.34	26.89	8	2018	757.69	24.15
4	2019	760.21	26.75	9	2016	756.96	23.41
5	2013	759.97	26.50	10	2020	756.09	22.54

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

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CHIEF ENGINEER

STATE OF NEW YORK  
 HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
**INDIAN LAKE RESERVOIR OPERATION**  
 FOR WEEK ENDING: September 3, 2022

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 27	1,646.52	2.87	12 AM - Mid	149	149	601
Sunday 28	1,646.49	2.87	12 AM - Mid	149	147	568
Monday 29	1,646.44	2.86	12 AM - Mid	149	127	382
Tuesday 30	1,646.41	2.85	12 AM - Mid	149	113	490
Wednesday 31	1,646.48	2.86	12 AM - Mid	149	139	455
Thursday 1	1,646.48	2.86	12 AM - Mid	148	172	762
Friday 2	1,646.39	2.85	12 AM - Mid	148	174	551
Saturday 3	1,646.35	2.84	12 AM - Mid	148	158	614

CHANGE IN STORAGE DURING THE WEEK	-0.03	* 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	2021	1,647.26	3.00	6	2019	1,645.88	2.76
2	2022	1,646.35	2.84	7	2013	1,645.44	2.69
3	2020	1,646.30	2.83	8	2014	1,644.91	2.60
4	2017	1,646.18	2.81	9	2015	1,644.48	2.52
5	2018	1,646.15	2.81	10	2016	1,644.39	2.51

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

Datum: NAVD 88

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CHIEF ENGINEER

STATE OF NEW YORK  
 HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
**INDIAN LAKE RESERVOIR OPERATION**  
 FOR WEEK ENDING: September 10, 2022

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 3	1,646.35	2.84	12 AM - Mid	148	158	614
Sunday 4	1,646.31	2.84	12 AM - Mid	148	139	493
Monday 5	1,646.26	2.83	12 AM - Mid	148	134	547
Tuesday 6	1,646.29	2.83	12 AM - Mid	148	156	674
Wednesday 7	1,646.27	2.83	12 AM - Mid	148	149	673
Thursday 8	1,646.24	2.82	12 AM - Mid	148	132	707
Friday 9	1,646.22	2.82	12 AM - Mid	147	115	554
Saturday 10	1,646.17	2.81	12 AM - Mid	147	101	612
CHANGE IN STORAGE DURING THE WEEK		-0.03	* 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	2022	1,646.17	2.81	6	2021	1,645.27	2.66
2	2017	1,646.11	2.80	7	2013	1,644.95	2.60
3	2020	1,645.86	2.76	8	2014	1,644.24	2.48
4	2018	1,645.78	2.75	9	2015	1,643.78	2.41
5	2019	1,645.65	2.72	10	2016	1,643.72	2.40

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

Datum: NAVD 88

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CHIEF ENGINEER

STATE OF NEW YORK  
 HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
**INDIAN LAKE RESERVOIR OPERATION**  
 FOR WEEK ENDING: September 17, 2022

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 10	1,646.17	2.81	12 AM - Mid	147	70	612
Sunday 11	1,646.11	2.80	12 AM - Mid	147	61	484
Monday 12	1,646.07	2.79	12 AM - Mid	147	53	323
Tuesday 13	1,645.96	2.78	12 AM - Mid	147	65	479
Wednesday 14	1,646.02	2.79	12 AM - Mid	147	230	613
Thursday 15	1,645.97	2.78	12 AM - Mid	147	233	823
Friday 16	1,645.92	2.77	12 AM - Mid	147	158	589
Saturday 17	1,645.85	2.76	12 AM - Mid	147	109	610

CHANGE IN STORAGE DURING THE WEEK	-0.06	* 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	1,645.93	2.77	6	2013	1,644.53	2.53
2	2022	1,645.85	2.76	7	2021	1,644.04	2.45
3	2017	1,645.75	2.74	8	2014	1,643.82	2.41
4	2019	1,645.36	2.67	9	2015	1,643.50	2.36
5	2020	1,645.35	2.67	10	2016	1,643.03	2.28

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

Datum: NAVD 88

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

STATE OF NEW YORK  
 HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
**INDIAN LAKE RESERVOIR OPERATION**  
 FOR WEEK ENDING: September 24, 2022

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 17	1,645.85	2.76	12 AM - Mid	147	109	610
Sunday 18	1,645.81	2.75	12 AM - Mid	147	86	480
Monday 19	1,645.77	2.74	12 AM - Mid	147	92	386
Tuesday 20	1,645.79	2.75	12 AM - Mid	147	274	1,000
Wednesday 21	1,645.79	2.75	12 AM - Mid	147	414	1,200
Thursday 22	1,645.76	2.74	12 AM - Mid	147	350	1,210
Friday 23	1,645.75	2.74	12 AM - Mid	147	300	917
Saturday 24	1,645.66	2.73	12 AM - Mid	147	268	930

CHANGE IN STORAGE DURING THE WEEK	-0.03	* INIDAN RIVER NEAR INDIAN LAKE
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2022	1,645.66	2.73	6	2013	1,644.01	2.44
2	2018	1,645.56	2.71	7	2014	1,643.23	2.32
3	2017	1,645.23	2.65	8	2021	1,643.07	2.29
4	2019	1,644.96	2.60	9	2015	1,642.97	2.27
5	2020	1,644.84	2.59	10	2016	1,642.66	2.22

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 3, 2022](#)

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 27	1,675.20	3.71	12 AM -Mid	600	737	3,000
Sunday 28	1,675.12	3.69	12 AM -Mid	600	716	2,790
Monday 29	1,674.99	3.66	12 AM -Mid	600	671	2,430
Tuesday 30	1,674.92	3.64	12 AM -Mid	600	684	2,190
Wednesday 31	1,674.83	3.61	12 AM -Mid	600	956	2,480
Thursday 1	1,674.75	3.60	12 AM -Mid	600	971	3,630
Friday 2	1,674.64	3.57	12 AM -Mid	600	765	3,960
Saturday 3	1,674.49	3.54	12 AM -Mid	600	697	3,260

CHANGE IN STORAGE DURING THE WEEK	-0.17
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2021	1,677.44	4.28	6	2015	1,672.46	3.07
2	2022	1,674.49	3.54	7	2014	1,672.42	3.06
3	2016	1,673.07	3.20	8	2013	1,671.96	2.96
4	2017	1,672.78	3.14	9	2020	1,669.71	2.50
5	2019	1,672.62	3.11	10	2018	1,669.15	2.41

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: [September 10, 2022](#)

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 3	1,674.49	3.54	12 AM -Mid	600	697	3,260
Sunday 4	1,674.33	3.50	12 AM -Mid	600	712	2,790
Monday 5	1,674.16	3.46	12 AM -Mid	600	706	2,180
Tuesday 6	1,674.03	3.42	12 AM -Mid	600	693	2,100
Wednesday 7	1,673.86	3.38	12 AM -Mid	600	650	2,260
Thursday 8	1,673.70	3.35	12 AM -Mid	600	608	2,270
Friday 9	1,673.53	3.31	12 AM -Mid	600	647	2,470
Saturday 10	1,673.35	3.27	12 AM -Mid	600	659	2,320

CHANGE IN STORAGE DURING THE WEEK	-0.27
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2021	1,676.58	4.05	6	2015	1,671.87	2.94
2	2022	1,673.35	3.27	7	2014	1,671.70	2.91
3	2017	1,672.79	3.14	8	2013	1,671.21	2.80
4	2019	1,672.63	3.11	9	2020	1,668.86	2.36
5	2016	1,672.32	3.04	10	2018	1,668.24	2.26

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

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 CHIEF ENGINEER

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

FOR WEEK ENDING: [September 17, 2022](#)

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 10	1,673.35	3.27	12 AM -Mid	600	659	2,320
Sunday 11	1,673.17	3.23	12 AM -Mid	600	610	2,060
Monday 12	1,672.99	3.19	12 AM -Mid	600	575	1,990
Tuesday 13	1,672.80	3.14	12 AM -Mid	600	751	1,900
Wednesday 14	1,672.70	3.12	12 AM -Mid	600	803	2,510
Thursday 15	1,672.63	3.11	12 AM -Mid	600	820	3,190
Friday 16	1,672.50	3.08	12 AM -Mid	600	797	2,650
Saturday 17	1,672.33	3.04	12 AM -Mid	600	783	2,310

CHANGE IN STORAGE DURING THE WEEK	-0.23
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2021	1,675.58	3.80	6	2016	1,671.16	2.79
2	2022	1,672.33	3.04	7	2014	1,671.01	2.76
3	2017	1,672.26	3.03	8	2013	1,670.48	2.65
4	2019	1,672.25	3.03	9	2020	1,667.87	2.20
5	2015	1,671.51	2.87	10	2018	1,667.37	2.12

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

Datum: NAVD 88

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CHIEF ENGINEER

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

FOR WEEK ENDING: [September 24, 2022](#)

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 17	1,672.33	3.04	12 AM -Mid	600	783	2,310
Sunday 18	1,672.14	3.00	12 AM -Mid	600	727	1,970
Monday 19	1,671.97	2.96	12 AM -Mid	600	672	1,960
Tuesday 20	1,671.95	2.96	12 AM -Mid	600	827	2,650
Wednesday 21	1,672.00	2.97	12 AM -Mid	600	1,010	4,370
Thursday 22	1,671.93	2.95	12 AM -Mid	600	1,040	4,900
Friday 23	1,672.01	2.97	12 AM -Mid	600	1,260	5,110
Saturday 24	1,671.94	2.96	12 AM -Mid	600	976	4,620

CHANGE IN STORAGE DURING THE WEEK	-0.08
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2021	1,674.52	3.54	6	2016	1,670.40	2.64
2	2022	1,671.94	2.96	7	2014	1,670.13	2.58
3	2019	1,671.71	2.91	8	2013	1,669.66	2.49
4	2017	1,671.54	2.87	9	2020	1,666.93	2.04
5	2015	1,670.98	2.75	10	2018	1,666.39	1.95

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

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CHIEF ENGINEER

STATE OF NEW YORK  
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
**FULTON CHAIN RESERVOIR OPERATION**

FOR WEEK ENDING: [September 3, 2022](#)

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 27	1,706.99	0.924	16	1,786.01	0.302	10
Sunday 28	1,707.00	0.926	16	1,786.00	0.302	10
Monday 29	1,706.99	0.924	16	1,785.99	0.302	10
Tuesday 30	1,707.02	0.927	16	1,785.01	0.270	10
Wednesday 31	1,707.08	0.936	16	1,786.14	0.307	35
Thursday 1	1,707.14	0.945	16	1,786.13	0.306	46
Friday 2	1,707.17	0.950	49	1,786.06	0.304	24
Saturday 3	1,707.16	0.948	66	1,786.03	0.303	10
CHANGE IN STORAGE		0.024			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	1,707.16	0.948	1	2022	1,786.03	0.303
2	2020	1,707.02	0.927	2	2021	1,785.86	0.298
3	2019	1,706.99	0.924	3	2020	1,785.86	0.298
4	2018	1,706.93	0.915	4	2019	1,786.12	0.306
5	2021	1,706.90	0.910	5	2018	1,785.77	0.295

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

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CHIEF ENGINEER

STATE OF NEW YORK  
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
**FULTON CHAIN RESERVOIR OPERATION**

FOR WEEK ENDING: [September 10, 2022](#)

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 3	1,707.16	0.948	66	1,786.03	0.303	10
Sunday 4	1,707.13	0.944	66	1,786.03	0.303	10
Monday 5	1,707.10	0.938	66	1,786.01	0.302	10
Tuesday 6	1,707.12	0.941	66	1,786.05	0.304	10
Wednesday 7	1,707.09	0.937	88	1,786.05	0.304	10
Thursday 8	1,707.05	0.931	101	1,786.04	0.303	10
Friday 9	1,707.02	0.927	101	1,786.02	0.303	10
Saturday 10	1,706.96	0.920	100	1,786.01	0.302	10
CHANGE IN STORAGE		-0.028			-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	2021	1,707.00	0.926	1	2019	1,786.03	0.303
2	2020	1,707.00	0.926	2	2022	1,786.01	0.302
3	2022	1,706.96	0.920	3	2021	1,786.00	0.302
4	2018	1,706.84	0.903	4	2020	1,785.83	0.297
5	2019	1,706.81	0.899	5	2018	1,785.67	0.291

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

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CHIEF ENGINEER

STATE OF NEW YORK  
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
**FULTON CHAIN RESERVOIR OPERATION**

FOR WEEK ENDING: [September 17, 2022](#)

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 10	1,706.96	0.920	100	1,786.01	0.302	10
Sunday 11	1,706.91	0.913	100	1,786.00	0.302	10
Monday 12	1,706.85	0.904	100	1,785.98	0.301	10
Tuesday 13	1,706.81	0.899	100	1,786.00	0.302	10
Wednesday 14	1,706.76	0.893	48	1,785.99	0.302	10
Thursday 15	1,706.78	0.895	16	1,786.00	0.302	10
Friday 16	1,706.76	0.893	16	1,785.98	0.301	10
Saturday 17	1,706.75	0.892	16	1,785.97	0.301	10
CHANGE IN STORAGE		-0.028			-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	2019	1,786.03	0.303
2	2018	1,706.97	0.922	2	2021	1,786.02	0.303
3	2021	1,706.91	0.912	3	2022	1,785.97	0.301
4	2019	1,706.84	0.903	4	2020	1,785.80	0.296
5	2022	1,706.75	0.892	5	2018	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

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CHIEF ENGINEER

STATE OF NEW YORK  
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
**FULTON CHAIN RESERVOIR OPERATION**

FOR WEEK ENDING: [September 24, 2022](#)

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 17	1,706.75	0.892	16	1,785.97	0.301	10
Sunday 18	1,706.75	0.892	16	1,785.95	0.300	10
Monday 19	1,706.76	0.893	16	1,785.94	0.300	10
Tuesday 20	1,706.90	0.912	225	1,786.18	0.308	158
Wednesday 21	1,706.85	0.904	168	1,785.97	0.301	114
Thursday 22	1,706.92	0.915	69	1,785.89	0.299	31
Friday 23	1,706.96	0.920	69	1,785.91	0.299	31
Saturday 24	1,706.93	0.916	69	1,785.89	0.299	31
CHANGE IN STORAGE		0.024			-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	2021	1,706.99	0.924	1	2021	1,786.06	0.304
2	2020	1,706.96	0.920	2	2019	1,785.98	0.301
3	2022	1,706.93	0.916	3	2022	1,785.89	0.299
4	2018	1,706.88	0.908	4	2020	1,785.74	0.294
5	2019	1,706.84	0.903	5	2018	1,785.68	0.292

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

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CHIEF ENGINEER

**Hudson River Area  
Report of the Operations Manager  
Sacandaga Field Office at Great Sacandaga Lake  
September 2022**

Activity report for September 2022

**SFO**

- Performed lawn maintenance and general upkeep
- Cleaned offices and conference room weekly
- Placed 31 tons of rip rap stone in the Town of Day.
- Performed maintenance on vehicles and equipment
- Cut sign boards and stakes
- Returned the Ford 550 dump truck to Stillwater Dam
- Installed new LED flood lights on the maintenance building
- Cut brush and tall grass at SFO and side lot.
- Removed all of the logs and misc items from side lot.

**Indian Lake**

- Installed a new culvert under the driveway

**Conklingville Dam**

- Read and reported piezometer data including spillway and toe observations daily
- Performed lawn maintenance and general upkeep
- Performed maintenance on vehicles and equipment
- Performed a monthly dow valve test

Respectfully,

Matthew Ginter

Operations Manager

**Black River Area  
Report of the Superintendent  
Black River Field Office at the Stillwater Reservoir (BRFO)  
September 2022**

- Road maintenance, removed rock, applied gravel
- Covid 19 regulation.
- Continued work on new leech field at BRFO
- Mowing/trimming at facilities
- Worked with engineering staff to monitor seepage area at SL
- Periodic maintenance to mowing equipment
- Worked with engineering staff on Gate #4 repair
- Took measurements along top of South Embankment
- Visited Hawkinsville Dam project
- Gate release change at OF for CAP-PY Duck Derby Per Chief Engineer
- 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.