

**REPORT OF CHIEF ENGINEER**  
**HUDSON RIVER - BLACK RIVER REGULATING DISTRICT**  
**BOARD MEETING**  
**SEPTEMBER 14, 2021 – ALBANY, NEW YORK**

**HUDSON RIVER AREA - AUGUST SUMMARY**

**Reservoir Operation**

Great Sacandaga Lake

The August average daily release from the Sacandaga Reservoir (Great Sacandaga Lake) was approximately 3,550 cubic feet per second (cfs). The Upper Hudson / Sacandaga River Offer of Settlement target elevation for August 31 is 762.50 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
July 31	768.13	+5.71	+3.24	0	3,480
Aug. 31	764.8 (e)	+5.8 (e)	+2.3 (e)	0	3,080 (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 August average daily release from Indian Lake was approximately 530 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	
July 31	1,648.45	+0.56	+1.20	947
Aug. 31	1,648.1 (e)	+2.2 (e)	+1.4 (e)	762 (e)

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

## HUDSON RIVER AREA - AUGUST SUMMARY- continued

### River Flow

Hudson River flow, downstream of the confluence with the Sacandaga River, was approximately 5,670 cfs on August 31 and approximately 2,510 cfs above 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	1,394 (e)	299
<b>Sacandaga</b> at Stewarts Bridge	3,550 (e)	1,910
<b>Indian</b> at Indian Lake Dam	531 (e)	338
<b>Hudson</b> at Hadley (1)	3,970 (e)	1,260

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

### Precipitation

Monthly total precipitation measured 185%, 94%, and 104% historic average at Indian Lake, Mayfield, and Conklingville, respectively, as of August 31

Table 4.0 - *Hudson River Basin Precipitation - as of August 31*

<b>Station</b>	<b>Monthly Total (inch)</b>	<b>Historic Average (inch)</b>
<b>Indian Lake</b>	7.09	3.83
<b>Mayfield</b>	3.75	4.01
<b>Conklingville</b>	3.94	3.80

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

### **Operation Overview**

Precipitation during the month of August was nearly average across the Great Sacandaga Lake watershed and above average in the Indian Lake watershed. The monthly inflow to Great Sacandaga Lake and Indian Lake reservoir was approximately 369% and 442% of historic average, respectively. Monthly release of water from Great Sacandaga Lake and Indian Lake measured 187% and 222% of historic average, respectively.

### **Great Sacandaga Lake Operation**

Great Sacandaga Lake operation summary report for the period August 1, 2021 through August 29, 2021 is attached. This report includes projected and forecast values for dates after August 29, 2021.

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

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

## BLACK RIVER AREA – AUGUST SUMMARY

### Reservoir Operations

#### Stillwater Reservoir

The August average daily release from Stillwater Reservoir was approximately 340 cfs. The maximum discharge for the month was 400 cfs.

Table 1.0 - *Stillwater Reservoir Elevation and Release*

Date	Daily Average Elevation (ft, NAVD)	Deviation from Average Elevation (ft) (1)	Release (cfs)
July 31	1,675.95	+0.51	400
Aug. 31	1,677.8 (e)	+5.3 (e)	400 (e)

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

#### Sixth Lake Reservoir

The August average daily release from Sixth Lake Reservoir was approximately 69 cfs.

Table 2.0 - *Sixth Lake Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
July 31	1,785.95	+0.19	30
Aug. 31	1,785.9 (e)	+0.1 (e)	13 (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 August average daily release from Old Forge Reservoir was approximately 175 cfs.

Table 3.0 - *Old Forge Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
July 31	1,706.98	+0.05	84
Aug. 31	1,706.9 (e)	-0.1 (e)	41 (e)

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

## BLACK RIVER AREA - AUGUST SUMMARY - continued

### River Flow

The average daily Black River flow, as measured at the Watertown gauge, was approximately 3,650 cfs on August 31.

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	1,437 (e)	328
<b>Beaver</b> at Croghan	670 (e)	523
<b>Black</b> at Watertown	5,950 (e)	1,860

Notes: <sup>(1)</sup> Based on USGS records  
<sup>(2)</sup> "(e)" represents estimated value

### Precipitation

Monthly total precipitation measured 227%, 164%, 164% of historic average at Stillwater, Old Forge, and Sixth Lake, respectively, as of August 31.

Table 5.0 - *Black River Basin Precipitation - as of August 31*

<b>Station</b>	<b>Monthly Total (inch)</b>	<b>Historic Average (inch)</b>
<b>Stillwater</b>	10.08	4.44
<b>Old Forge</b>	7.21	4.40
<b>Sixth Lake</b>	6.77	4.12

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

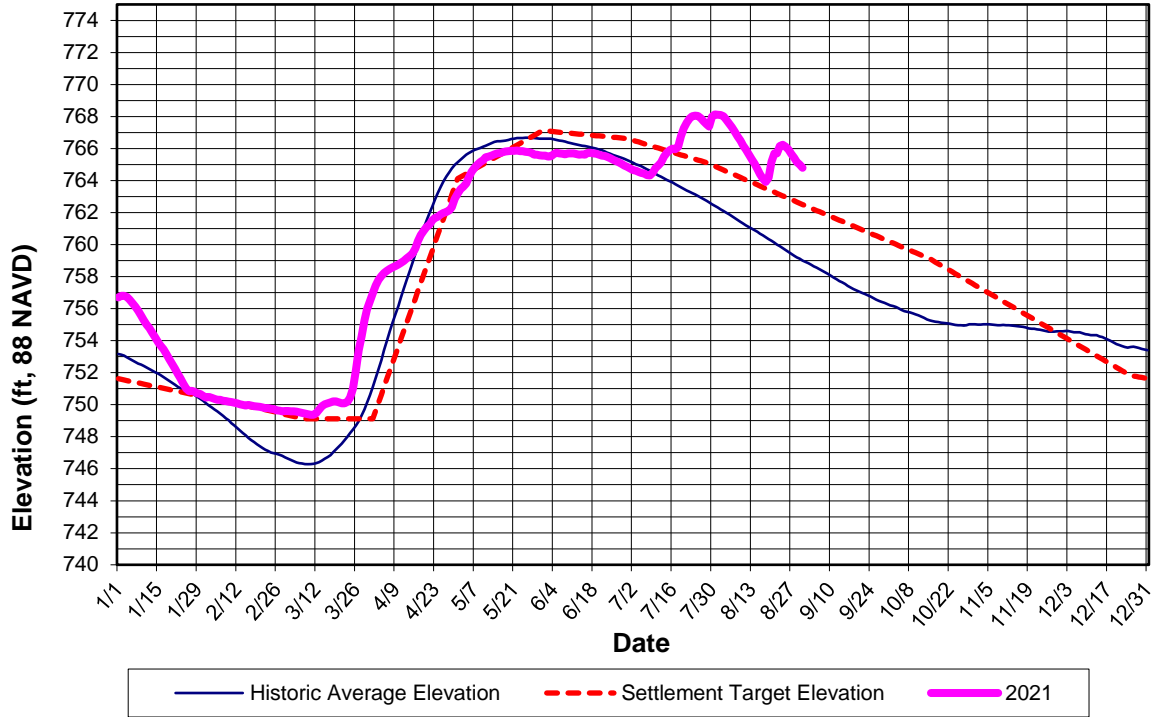
### **Operation Overview**

Precipitation in the month of August was above average at Stillwater, and above average at Old Forge and at Sixth Lake. The monthly inflow to Stillwater Reservoir was approximately 240% of historic average. The inflow to Sixth Lake and Old Forge Reservoir totaled 0.18 and 0.46 billion cubic feet, respectively, in August. Release of water from Stillwater Reservoir averaged 79% of historic discharge.

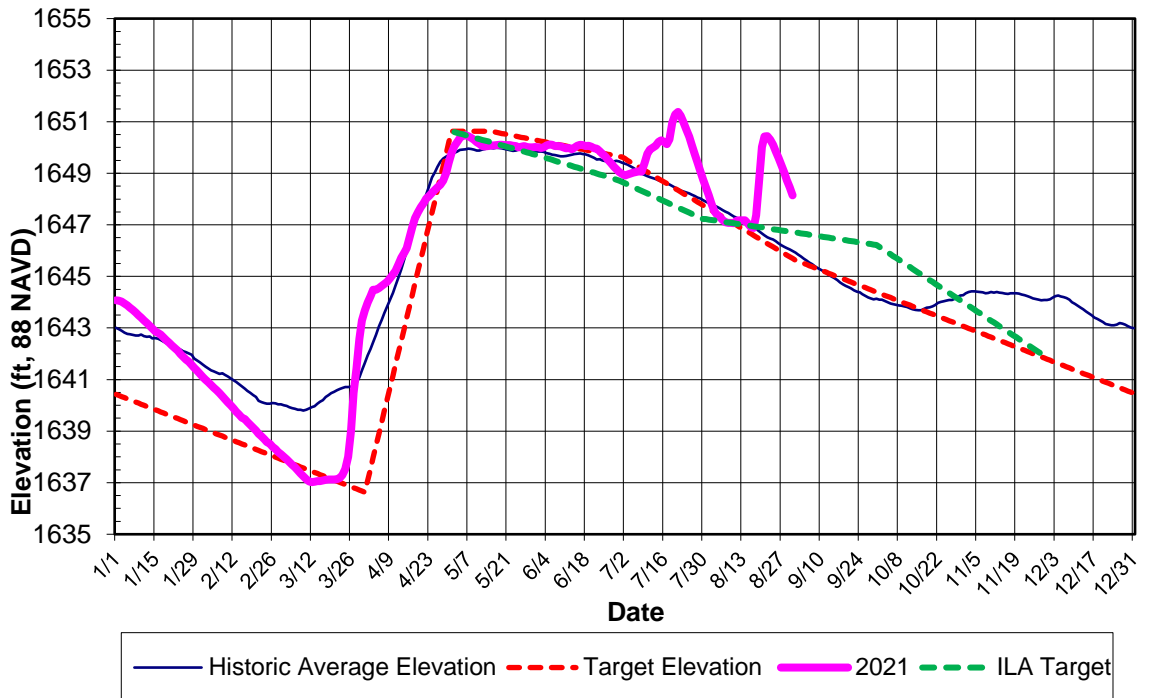
### **Black River Area Staff Activities**

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

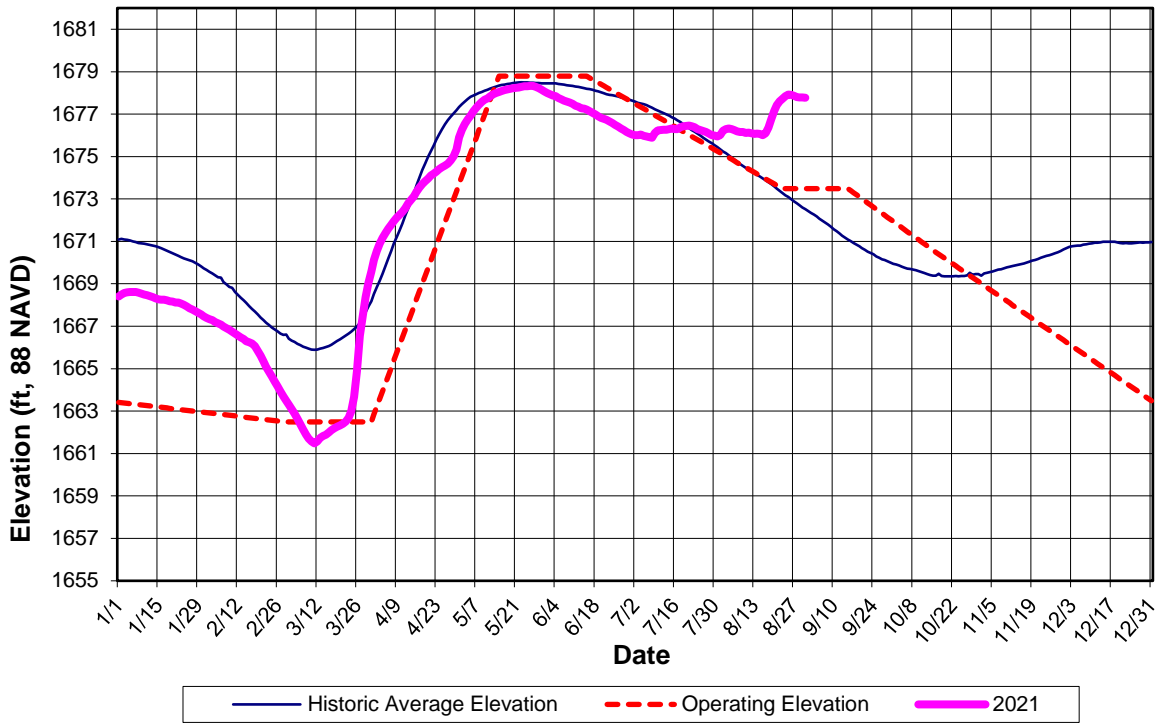
### Great Sacandaga Lake 2021 Reservoir Elevation



### Indian Lake 2021 Reservoir Elevation

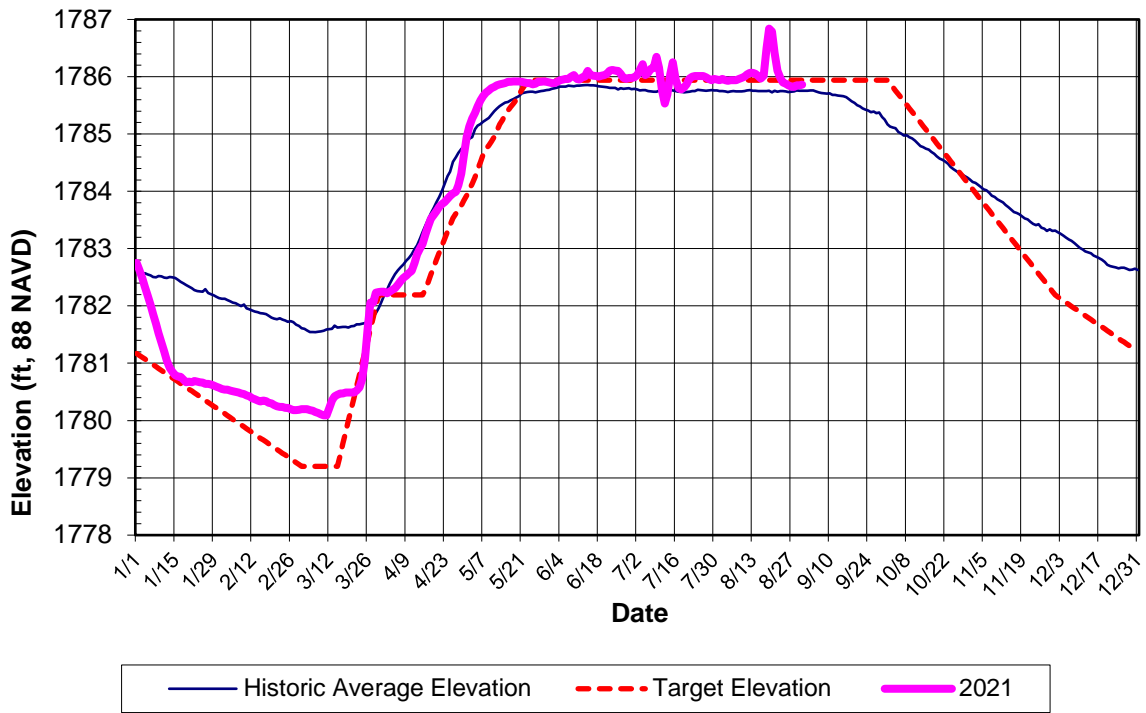


### Stillwater Reservoir 2021 Reservoir Elevation

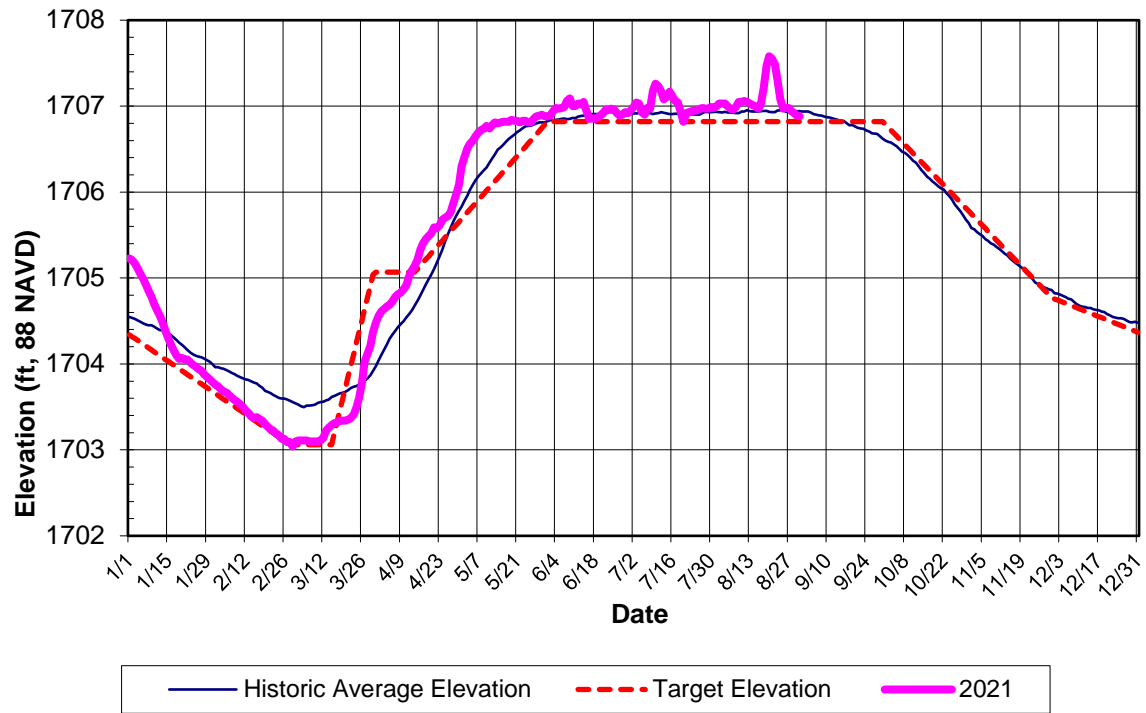




### Sixth Lake 2021 Reservoir Elevation



### Old Forge 2021 Reservoir Elevation



**SACANDAGA RESERVOIR ELEVATION CALCULATOR**

Datum: **1988 NAVD**

Settlement Parameters	
Date	8/30/2021
Target Elevation	762.58
Actual "Level"	3.12
"Level 2.5 threshold"	759.38
"Level 1.2 threshold"	755.78
Hudson River Target	
	Elevation Level
Maximum Flow (cfs)	8000 7720
Minimum Flow (cfs)	n/a 2220
Min. Rec/Rafting Hours (hrs)	8

**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	8/30/2021
Day of Year	5356
Starting Elevation (ft)	765.02
Average Elevation	765.15
Flow Below Hadley (cfs)	6250
Today's Release	4440
Tomorrow's Release	3050

Justin St. John 518-743-2004 (w)  
 Jonathan Norris 315-396-8194 (cell)  
 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)
8/1/2021	768.14	3600	3720	0	0	3720	6267	3.45	3900	7620	2900	8000	8400	768.13	8/2/2021	768.14	764.81	762.31
8/2/2021	768.13	3100	3990	0	0	3990	6180	3.46	4260	8250	2920	8000	8420	768.06	8/3/2021	768.10	764.74	762.20
8/3/2021	768.06	2300	4120	0	0	4120	6093	3.45	4170	8290	2900	8000	8400	767.92	8/4/2021	767.99	764.66	762.10
8/4/2021	767.92	1700	4430	0	0	4430	5920	3.43	3510	7940	2860	8000	8360	767.71	8/5/2021	767.82	764.58	762.00
8/5/2021	767.71	1300	4440	0	0	4440	5747	3.41	2830	7270	2820	8000	8320	767.47	8/6/2021	767.59	764.50	761.89
8/6/2021	767.47	900	4440	0	0	4440	5573	3.38	2540	6980	2760	8000	8260	767.20	8/7/2021	767.34	764.43	761.78
8/7/2021	767.20	600	4440	0	0	4440	5353	3.35	2150	6590	2700	8000	8200	766.90	8/8/2021	767.05	764.35	761.66
8/8/2021	766.90	900	4430	0	0	4430	5213	3.32	1950	6380	2640	8000	8140	766.62	8/9/2021	766.76	764.27	761.55
8/9/2021	766.62	1000	4430	0	0	4430	5073	3.29	1790	6220	2580	8000	8080	766.35	8/10/2021	766.49	764.20	761.43
8/10/2021	766.35	900	4430	0	0	4430	4933	3.26	1570	6000	2520	8000	8020	766.07	8/11/2021	766.21	764.12	761.32
8/11/2021	766.07	300	4430	0	0	4430	4793	3.24	1570	6000	2460	8000	7960	765.74	8/12/2021	765.91	764.04	761.21
8/12/2021	765.74	1000	4430	0	0	4430	4653	3.21	1480	5910	2400	8000	7900	765.47	8/13/2021	765.61	763.97	761.11
8/13/2021	765.47	600	4430	0	0	4430	4513	3.18	1510	5940	2340	8000	7840	765.17	8/14/2021	765.32	763.89	761.01
8/14/2021	765.17	500	4420	0	0	4420	4373	3.15	1300	5720	2280	8000	7780	764.86	8/15/2021	765.02	763.81	760.91
8/15/2021	764.86	400	4240	0	0	4240	4233	3.12	1390	5630	2220	8000	7720	764.55	8/16/2021	764.71	763.74	760.80
8/16/2021	764.55	500	4250	0	0	4250	4093	3.10	1360	5610	2180	8000	7680	764.25	8/17/2021	764.40	763.66	760.69
8/17/2021	764.25	1100	4050	0	0	4050	4000	3.07	1170	5220	2140	8000	7640	764.01	8/18/2021	764.13	763.58	760.58
8/18/2021	764.01	2000	3980	0	0	3980	4000	3.06	2500	6480	2120	8000	7620	763.85	8/19/2021	763.93	763.50	760.46
8/19/2021	763.85	11900	427	0	0	427	4047	3.10	12400	12827	2200	8000	7700	764.75	8/20/2021	764.30	763.43	760.35
8/20/2021	764.75	9800	410	0	0	410	4420	3.16	16000	16410	2320	8000	7820	765.48	8/21/2021	765.12	763.35	760.23
8/21/2021	765.48	5100	409	0	0	409	4700	3.22	10900	11309	2420	8000	7920	765.84	8/22/2021	765.66	763.27	760.11
8/22/2021	765.84	3700	409	0	0	409	4840	3.28	7920	8329	2560	8000	8060	766.09	8/23/2021	765.97	763.20	760.00
8/23/2021	766.09	3200	1490	0	0	1490	4933	3.34	6110	7600	2680	8000	8180	766.22	8/24/2021	766.16	763.12	759.90
8/24/2021	766.22	2100	2720	0	0	2720	4933	3.33	5380	8100	2660	8000	8160	766.17	8/25/2021	766.20	763.04	759.78
8/25/2021	766.17	1500	3490	0	0	3490	4887	3.34	4630	8120	2680	8000	8180	766.01	8/26/2021	766.09	762.97	759.67
8/26/2021	766.01	1600	4100	0	0	4100	4793	3.32	4030	8130	2640	8000	8140	765.81	8/27/2021	765.91	762.89	759.55
8/27/2021	765.81	500	4380	0	0	4380	4700	3.30	3480	7860	2600	8000	8100	765.50	8/28/2021	765.66	762.81	759.42
8/28/2021	765.50	1500	4450	0	0	4450	4560	3.29	3120	7570	2560	8000	8060	765.27	8/29/2021	765.39	762.74	759.30
8/29/2021	765.27	1300	4440	0	0	4440	4467	3.27	2880	7320	2540	8000	8040	765.02	8/30/2021	765.15	762.66	759.20
8/30/2021	765.02	700	3050	0	0	3050	4373	3.26	3200	6250	2500	8000	8000	764.83	8/31/2021	764.93	762.58	759.11
8/31/2021	764.83	600	3050	0	0	3050	4280	3.24	3000	6050	2480	8000	7980	764.63	9/1/2021	764.73	762.50	759.01
9/1/2021	764.63	500	4000	0	0	4000	4233	3.23	2800	6800	2460	8000	7960	764.35	9/2/2021		762.35	758.92
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	#N/A

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

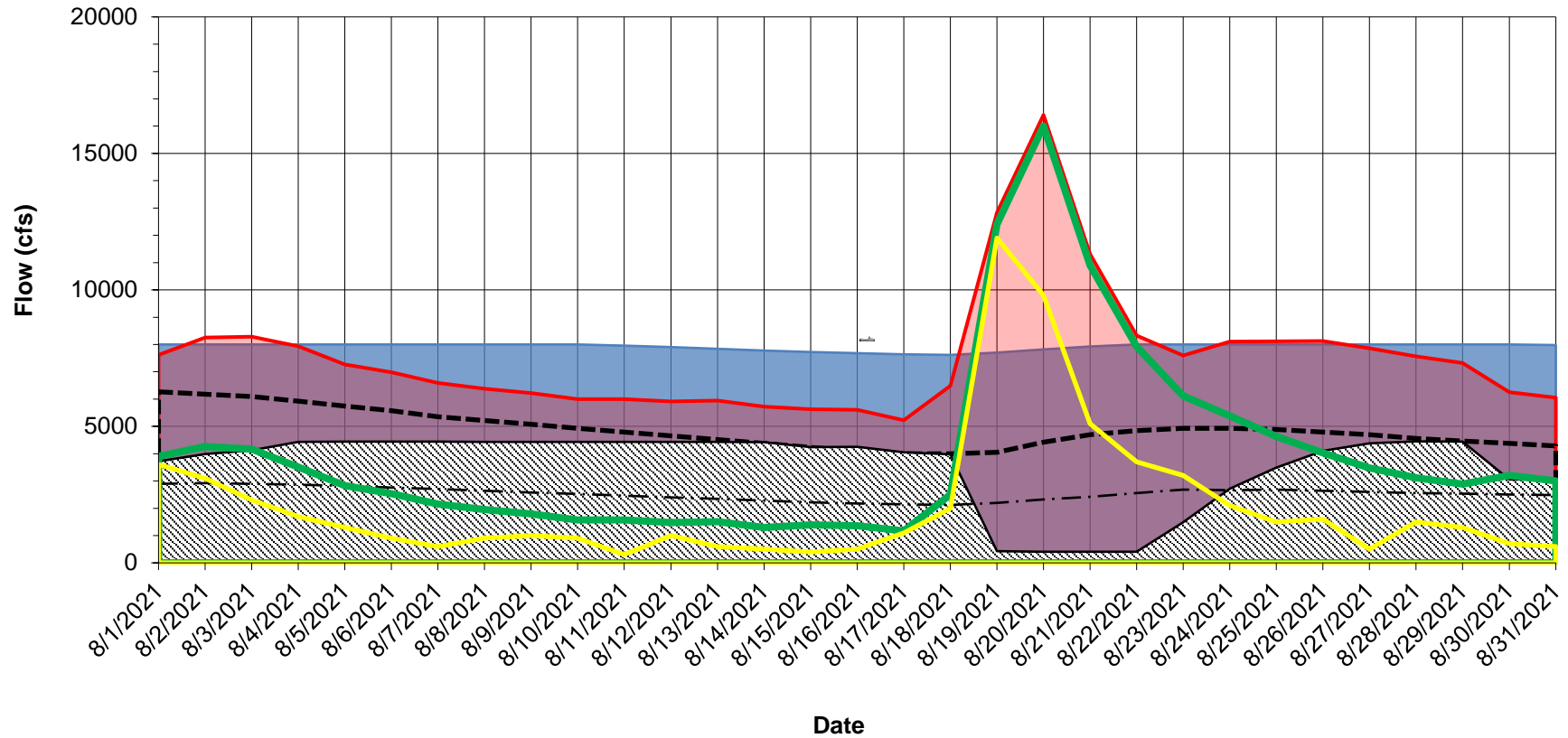
Date: \_\_\_\_\_

**GREAT SACANDAGA LAKE  
RESERVOIR OPERATION SUMMARY**

Print Date: 8/30/2021  
 Period of Record: 8/1/2021 to 8/29/2021

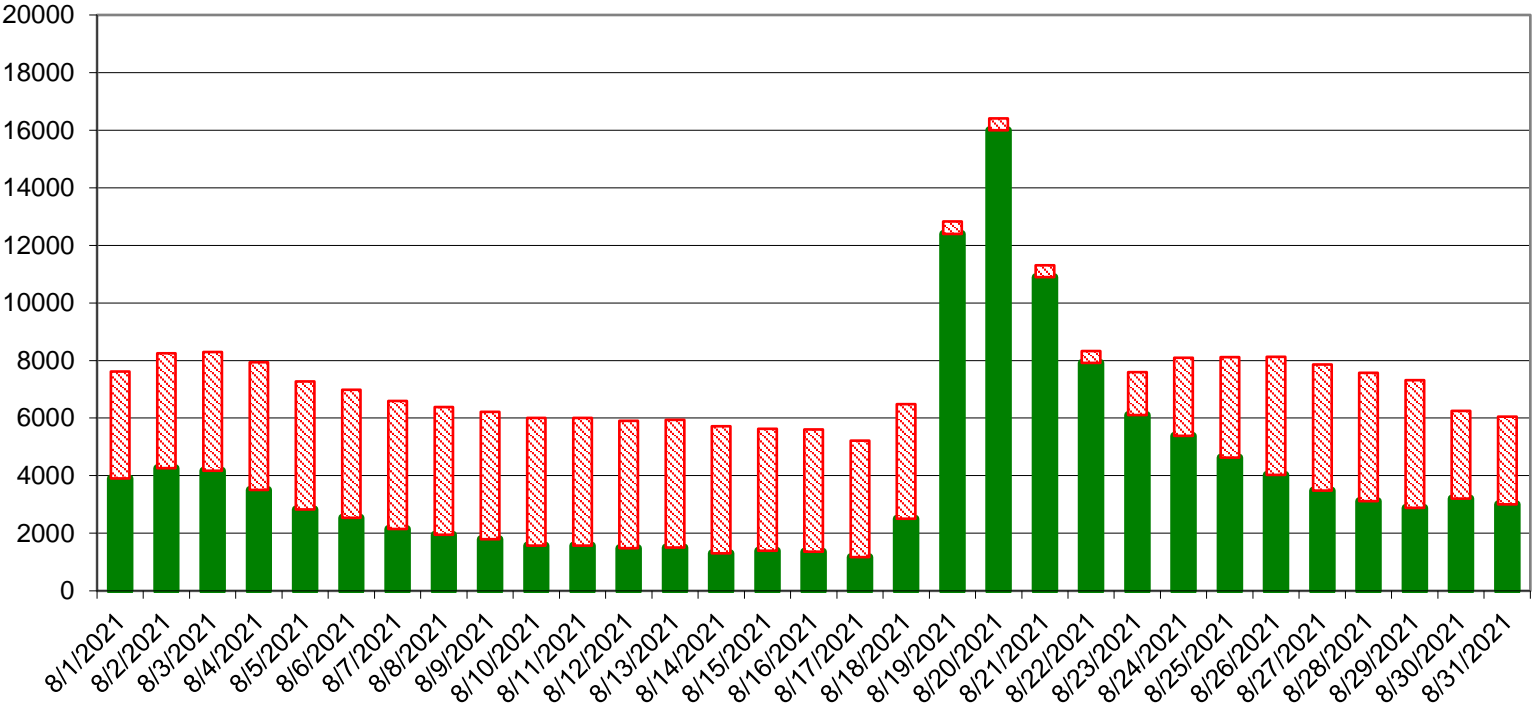
Starting Date 12:00 AM	Daily Avg. Elevation	Net Average Inflow	Sacandaga River Flow Average Release      Maximum (Table F - Elev.)		Settlement Level	Hudson at Hadley	Hudson River Below Confluence	Hudson River Target Flow Minimum (Table B - Level)      Maximum (Table D & E)		Maximum Allowable Sacandaga
8/1/2021	768.14	3600	3720	6267	3.45	3900	7620	2900	8000	6267
8/2/2021	768.10	3100	3990	6180	3.46	4260	8250	2920	8000	6267
8/3/2021	767.99	2300	4120	6093	3.45	4170	8290	2900	8000	6180
8/4/2021	767.82	1700	4430	5920	3.43	3510	7940	2860	8000	6093
8/5/2021	767.59	1300	4440	5747	3.41	2830	7270	2820	8000	5833
8/6/2021	767.34	900	4440	5573	3.38	2540	6980	2760	8000	5660
8/7/2021	767.05	600	4440	5353	3.35	2150	6590	2700	8000	5400
8/8/2021	766.76	900	4430	5213	3.32	1950	6380	2640	8000	5260
8/9/2021	766.49	1000	4430	5073	3.29	1790	6220	2580	8000	5167
8/10/2021	766.21	900	4430	4933	3.26	1570	6000	2520	8000	5027
8/11/2021	765.91	300	4430	4793	3.24	1570	6000	2460	7960	4887
8/12/2021	765.61	1000	4430	4653	3.21	1480	5910	2400	7900	4747
8/13/2021	765.32	600	4430	4513	3.18	1510	5940	2340	7840	4607
8/14/2021	765.02	500	4420	4373	3.15	1300	5720	2280	7780	4467
8/15/2021	764.71	400	4240	4233	3.12	1390	5630	2220	7720	4327
8/16/2021	764.40	500	4250	4093	3.10	1360	5610	2180	7680	4187
8/17/2021	764.13	1100	4050	4000	3.07	1170	5220	2140	7640	4047
8/18/2021	763.93	2000	3980	4000	3.06	2500	6480	2120	7620	4000
8/19/2021	764.30	11900	427	4047	3.10	12400	12827	2200	7700	4000
8/20/2021	765.12	9800	410	4420	3.16	16000	16410	2320	7820	4280
8/21/2021	765.66	5100	409	4700	3.22	10900	11309	2420	7920	4607
8/22/2021	765.97	3700	409	4840	3.28	7920	8329	2560	8000	4793
8/23/2021	766.16	3200	1490	4933	3.34	6110	7600	2680	8000	4887
8/24/2021	766.20	2100	2720	4933	3.33	5380	8100	2660	8000	4980
8/25/2021	766.09	1500	3490	4887	3.34	4630	8120	2680	8000	4933
8/26/2021	765.91	1600	4100	4793	3.32	4030	8130	2640	8000	4840
8/27/2021	765.66	500	4380	4700	3.30	3480	7860	2600	8000	4747
8/28/2021	765.39	1500	4450	4560	3.29	3120	7570	2560	8000	4607
8/29/2021	765.15	1300	4440	4467	3.27	2880	7320	2540	8000	4513
8/30/2021	764.93	700	3050	4373	3.26	3200	6250	2500	8000	4420
8/31/2021	764.73	600	3050	4280	3.24	3000	6050	2480	7980	4327

## 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: July 2021

Day	Sacandaga Reservoir Elevation Average Daily	Sacandaga Reservoir Elevation Midnight	Sacandaga River Near Hope cfs	Reservoir Inflow Hope x 2.2184 cfs	Sacandaga River at Stewarts Bridge cfs	Hudson River at Hadley cfs	Regulated Hudson River below confluence cfs
1	764.75	764.84	287	637	1640	770	2410
2	764.66	764.70	322	714	1640	900	2540
3	764.61	764.63	389	863	1640	1190	2830
4	764.54	764.59	512	1136	1640	1610	3250
5	764.47	764.51	419	930	1650	1600	3250
6	764.44	764.43	588	1304	1620	1450	3070
7	764.34	764.40	594	1318	1640	1440	3080
8	764.31	764.31	602	1335	1650	1260	2910
9	764.50	764.36	2820	6256	1630	2500	4130
10	764.80	764.69	2180	4836	1640	4870	6510
11	764.94	764.86	1520	3372	1640	4320	5960
12	765.14	764.98	1970	4370	1610	3560	5170
13	765.49	765.36	2140	4747	1610	3660	5270
14	765.73	765.57	2150	4770	1600	5470	7070
15	765.89	765.83	1800	3993	1590	6490	8080
16	765.99	765.93	1390	3084	1590	5360	6950
17	765.95	765.98	1240	2751	1590	4350	5940
18	766.10	765.92	3960	8785	2780	6690	9470
19	766.78	766.41	4340	9628	402	12100	12502
20	767.27	767.06	3100	6877	401	10600	11001
21	767.62	767.59	2830	6278	399	9120	9519
22	767.88	767.75	2180	4836	843	8330	9173
23	768.02	767.98	1750	3882	996	7280	8276
24	768.06	768.05	1380	3061	2200	6300	8500
25	768.04	768.04	1170	2596	2960	5600	8560
26	767.90	767.99	989	2194	3760	5230	8990
27	767.70	767.79	825	1830	3180	4910	8090
28	767.51	767.56	709	1573	3570	4660	8230
29	767.38	767.39	964	2139	3490	4340	7830
30	767.99	767.67	2440	5413	3280	4680	7960
31	768.13	768.10	1630	3616	3480	4300	7780

AVERAGE 1587 3520 1910 4680 6590

CHANGE IN STORAGE DURING THE MONTH 3.66 B.C.F.

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

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

Monthly Report for: July, 2021

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	1648.97	1648.98	66	242	90	549
2	1648.91	1648.90	376	244	107	537
3	1648.95	1648.96	222	244	250	1050
4	1648.99	1648.95	376	244	332	1130
5	1649.02	1649.01	244	244	296	953
6	1649.05	1649.01	376	244	242	961
7	1649.07	1649.07	288	244	205	752
8	1649.06	1649.09	377	245	188	812
9	1649.39	1649.15	1263	251	646	2010
10	1649.76	1649.62	870	247	1240	3480
11	1649.92	1649.88	386	247	891	2530
12	1649.99	1649.94	418	349	613	1830
13	1650.07	1649.97	1017	600	560	2730
14	1650.22	1650.15	876	598	672	4390
15	1650.28	1650.27	618	595	652	4440
16	1650.22	1650.28	290	591	504	2920
17	1650.13	1650.15	500	593	388	2270
18	1650.31	1650.12	1672	607	644	5600
19	1650.97	1650.57	2193	644	1440	7760
20	1651.29	1651.21	1141	703	1320	6040
21	1651.38	1651.39	776	873	1220	4680
22	1651.23	1651.36	468	1100	1140	4170
23	1650.98	1651.10	432	1040	836	3230
24	1650.69	1650.84	258	1000	589	2520
25	1650.41	1650.53	385	987	481	2260
26	1650.09	1650.27	118	974	528	2190
27	1649.75	1649.90	233	968	476	2140
28	1649.41	1649.58	149	963	421	2050
29	1649.06	1649.21	276	958	353	1890
30	1648.77	1648.90	318	954	315	1880
31	1648.45	1648.62	239	947	297	1920

AVERAGE 555 605 579 2635

CHANGE IN STORAGE DURING THE MONTH -0.131 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: July 2021

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	1676.04	1676.08	94	300	390	327	1250
2	1676.00	1676.01	300	300	574	496	1310
3	1676.01	1676.01	359	300	996	755	2310
4	1676.03	1676.03	241	300	907	830	3630
5	1675.98	1676.01	156	300	900	547	3900
6	1675.94	1675.96	214	300	1410	582	3930
7	1675.91	1675.93	186	300	1670	518	4270
8	1675.89	1675.89	614	300	1050	452	4390
9	1676.11	1676.00	859	300	1710	929	4890
10	1676.23	1676.19	477	300	1840	1050	6220
11	1676.24	1676.25	271	300	1170	737	6830
12	1676.26	1676.24	329	300	1080	405	6960
13	1676.26	1676.25	418	300	1200	389	6410
14	1676.29	1676.29	388	300	1510	526	6180
15	1676.32	1676.32	271	300	1160	447	6770
16	1676.30	1676.31	271	300	846	475	7200
17	1676.30	1676.30	388	300	900	455	7260
18	1676.38	1676.33	535	300	1840	892	9370
19	1676.43	1676.41	388	300	2350	994	9840
20	1676.44	1676.44	359	300	1410	847	9240
21	1676.46	1676.46	271	300	1240	539	9170
22	1676.43	1676.45	241	358	973	548	8260
23	1676.38	1676.41	194	400	749	523	6860
24	1676.30	1676.34	135	400	591	503	5230
25	1676.25	1676.25	312	400	561	525	3980
26	1676.20	1676.22	312	400	583	517	3500
27	1676.15	1676.19	194	400	482	510	3150
28	1676.08	1676.12	135	400	421	476	2750
29	1676.01	1676.03	255	400	600	479	2520
30	1675.99	1675.98	400	400	2280	504	2690
31	1675.95	1675.98	257	400	1490	490	4680

AVERAGE	317	331	1130	590	5320
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CHANGE IN STORAGE DURING THE MONTH -0.04 B.C.F.

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CHIEF ENGINEER



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

Monthly Report for: July, 2021

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1785.99	1785.98	5	0.08	0.00	5
2	1786.03	1785.99	-199	0.08	0.00	5
3	1786.12	1785.08	209	0.08	0.00	5
4	1786.22	1786.24	96	1.50	1.50	96
5	1786.03	1786.12	63	0.08	0.08	63
6	1786.07	1786.02	10	0.08	0.08	10
7	1786.14	1786.12	-168	0.08	0.08	10
8	1786.15	1785.15	225	0.67	0.67	47
9	1786.35	1786.18	193	3.00	3.00	193
10	1786.16	1786.31	255	3.00	3.00	255
11	1785.77	1785.98	227	3.00	3.00	249
12	1785.53	1785.57	97	0.00	0.25	109
13	1785.69	1785.54	47	0.00	0.25	14
14	1786.04	1785.83	24	0.00	0.25	24
15	1786.25	1786.30	183	3.00	3.00	183
16	1785.95	1786.08	197	1.33	1.33	197
17	1785.80	1785.86	130	1.33	1.33	130
18	1785.78	1785.76	130	1.33	1.33	130
19	1785.81	1785.79	65	0.25	0.25	65
20	1785.87	1785.85	29	0.25	0.25	29
21	1785.97	1785.94	30	0.25	0.25	30
22	1786.00	1785.99	30	0.25	0.25	30
23	1786.01	1786.01	30	0.25	0.25	30
24	1786.01	1786.02	30	0.25	0.25	30
25	1786.01	1786.00	30	0.25	0.25	30
26	1786.01	1786.02	30	0.25	0.25	30
27	1785.99	1786.00	30	0.25	0.25	30
28	1785.96	1785.98	30	0.25	0.25	30
29	1785.94	1785.94	30	0.25	0.25	30
30	1785.96	1785.95	30	0.25	0.25	30
31	1785.95	1785.96	30	0.25	0.25	30

AVERAGE 69 69

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: July, 2021

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1706.95	1706.93	40	0.17	0.00	8
2	1706.99	1706.95	113	0.17	0.00	0
3	1707.04	1707.02	97	0.17	0.00	0
4	1707.03	1707.08	18	3.00	3.00	180
5	1706.93	1706.98	107	3.00	3.00	283
6	1706.90	1706.87	296	0.17	0.00	168
7	1706.98	1706.95	73	0.17	0.00	8
8	1706.97	1706.99	244	2.17	2.17	147
9	1707.18	1707.05	763	4.00	4.00	309
10	1707.26	1707.33	329	4.00	4.00	329
11	1707.23	1707.33	335	4.00	4.00	367
12	1707.17	1707.31	159	4.00	4.00	402
13	1707.08	1707.16	341	4.00	4.00	390
14	1707.11	1707.13	628	4.00	4.00	369
15	1707.17	1707.29	310	4.00	4.00	391
16	1707.12	1707.24	318	4.00	4.00	399
17	1707.06	1707.19	352	4.00	4.00	401
18	1707.04	1707.16	300	4.00	4.00	397
19	1706.94	1707.10	166	4.00	4.00	393
20	1706.82	1706.96	151	0.50	0.50	264
21	1706.92	1706.89	117	0.50	0.50	52
22	1706.93	1706.93	84	0.50	0.50	52
23	1706.94	1706.95	52	0.50	0.50	52
24	1706.95	1706.95	20	0.50	0.50	52
25	1706.95	1706.93	133	0.50	0.50	52
26	1706.97	1706.98	68	0.50	0.50	52
27	1706.98	1706.99	36	0.50	0.50	52
28	1706.97	1706.98	41	0.67	0.67	73
29	1706.97	1706.96	116	0.67	0.67	84
30	1706.99	1706.98	100	0.67	0.67	84
31	1706.98	1706.99	68	0.67	0.67	84

AVERAGE 193 190

CHANGE IN STORAGE DURING THE MONTH 0.007 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: August 7, 2021

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 31	768.10	35.39	12 AM - Mid	3,480	4,300	7,780
Sunday 1	768.10	35.39	12 AM - Mid	3,730	3,900	7,630
Monday 2	768.13	35.43	12 AM - Mid	3,990	4,260	8,250
Tuesday 3	768.06	35.34	12 AM - Mid	4,120	4,170	8,290
Wednesday 4	767.92	35.19	12 AM - Mid	4,430	3,510	7,940
Thursday 5	767.70	34.94	12 AM - Mid	4,440	2,830	7,270
Friday 6	767.47	34.67	12 AM - Mid	4,440	2,540	6,980
Saturday 7	767.19	34.36	12 AM - Mid	4,440	2,150	6,590
CHANGE IN STORAGE DURING THE WEEK		-1.04	* 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	767.19	34.36	6	2015	763.18	29.92
2	2017	764.84	31.74	7	2012	762.50	29.19
3	2014	764.70	31.58	8	2016	762.00	28.65
4	2013	764.70	31.58	9	2020	761.82	28.45
5	2019	763.23	29.97	10	2018	761.76	28.39

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: August 14, 2021

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 7	767.19	34.36	12 AM - Mid	4,440	2,150	6,590
Sunday 8	766.89	34.02	12 AM - Mid	4,430	1,950	6,380
Monday 9	766.62	33.72	12 AM - Mid	4,430	1,790	6,220
Tuesday 10	766.35	33.41	12 AM - Mid	4,430	1,570	6,000
Wednesday 11	766.07	33.10	12 AM - Mid	4,430	1,570	6,000
Thursday 12	765.74	32.73	12 AM - Mid	4,430	1,480	5,910
Friday 13	765.47	32.43	12 AM - Mid	4,430	1,510	5,940
Saturday 14	765.17	32.10	12 AM - Mid	4,420	1,300	5,720
CHANGE IN STORAGE DURING THE WEEK		-2.25	* 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	765.17	32.10	6	2015	762.46	29.14
2	2017	764.19	31.02	7	2012	762.27	28.94
3	2014	764.19	31.02	8	2016	761.50	28.11
4	2013	764.06	30.88	9	2020	761.10	27.68
5	2019	762.54	29.23	10	2018	760.95	27.53

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: August 21, 2021

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 14	765.17	32.10	12 AM - Mid	4,420	1,300	5,720
Sunday 15	764.86	31.76	12 AM - Mid	4,240	1,390	5,630
Monday 16	764.55	31.42	12 AM - Mid	4,240	1,360	5,600
Tuesday 17	764.25	31.09	12 AM - Mid	4,250	1,170	5,420
Wednesday 18	764.01	30.82	12 AM - Mid	4,050	2,500	6,550
Thursday 19	763.85	30.65	12 AM - Mid	3,980	12,400	16,380
Friday 20	764.75	31.64	12 AM - Mid	427	16,000	16,427
Saturday 21	765.48	32.44	12 AM - Mid	410	10,900	11,310
CHANGE IN STORAGE DURING THE WEEK		0.34	* SACANDAGA RIVER AT STEWARTS BRIDGE INCLUDES 350 CFS MINIMUM CONTINUOUS RELEASE			

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2021	765.48	32.44	6	2012	761.70	28.33
2	2014	763.66	30.44	7	2015	761.68	28.30
3	2017	763.56	30.33	8	2016	760.88	27.45
4	2013	763.26	30.01	9	2018	760.46	27.01
5	2019	762.47	29.15	10	2020	760.23	26.77

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: August 28, 2021

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 21	765.48	32.44	12 AM - Mid	409	10,900	11,309
Sunday 22	765.84	32.84	12 AM - Mid	409	7,920	8,329
Monday 23	766.09	33.12	12 AM - Mid	1,490	6,110	7,600
Tuesday 24	766.24	33.29	12 AM - Mid	2,720	5,380	8,100
Wednesday 25	766.17	33.21	12 AM - Mid	3,490	4,630	8,120
Thursday 26	766.02	33.04	12 AM - Mid	4,100	4,030	8,130
Friday 27	765.80	32.80	12 AM - Mid	4,380	3,480	7,860
Saturday 28	765.48	32.44	12 AM - Mid	4,450	3,120	7,570
CHANGE IN STORAGE DURING THE WEEK		0.00	* SACANDAGA RIVER AT STEWARTS BRIDGE INCLUDES 350 CFS MINIMUM CONTINUOUS RELEASE			

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2021	765.48	32.44	6	2012	760.98	27.56
2	2014	763.09	29.82	7	2015	760.78	27.35
3	2017	762.88	29.60	8	2016	760.17	26.71
4	2013	762.44	29.12	9	2018	759.72	26.24
5	2019	762.28	28.95	10	2020	759.46	25.97

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: August 7, 2021

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 31	1,648.62	3.25	12 AM - Mid	945	297	1,920
1	1,648.27	3.19	12 AM - Mid	940	275	1,830
Monday 2	1,648.01	3.14	12 AM - Mid	935	405	2,000
Tuesday 3	1,647.67	3.08	12 AM - Mid	733	557	2,160
Wednesday 4	1,647.44	3.04	12 AM - Mid	312	472	1,450
Thursday 5	1,647.35	3.02	12 AM - Mid	305	361	1,320
Friday 6	1,647.25	3.00	12 AM - Mid	303	292	1,020
Saturday 7	1,647.14	2.98	12 AM - Mid	194	245	954
CHANGE IN STORAGE DURING THE WEEK		-0.26	* 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	2014	1,648.18	3.17	6	2021	1,647.14	2.98
2	2020	1,647.61	3.06	7	2019	1,646.55	2.88
3	2017	1,647.49	3.04	8	2015	1,646.53	2.87
4	2013	1,647.48	3.04	9	2016	1,645.84	2.76
5	2018	1,647.25	3.00	10	2012	1,645.73	2.74

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: August 14, 2021

DATE	INDIAN LAKE RESERVOIR			INDIAN RIVER	HUDSON RIVER	
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	NEWCOMB AVG. DAILY C.F.S.	NORTH CREEK AVG. DAILY C.F.S.
Saturday 7	1,647.14	2.98	12 AM - Mid	194	245	954
Sunday 8	1,647.08	2.97	12 AM - Mid	115	212	719
Monday 9	1,647.10	2.97	12 AM - Mid	115	191	626
Tuesday 10	1,647.06	2.97	12 AM - Mid	115	173	742
Wednesday 11	1,647.13	2.98	12 AM - Mid	115	169	618
Thursday 12	1,647.18	2.99	12 AM - Mid	115	179	814
Friday 13	1,647.17	2.99	12 AM - Mid	115	176	617
Saturday 14	1,647.17	2.99	12 AM - Mid	211	164	744

CHANGE IN STORAGE DURING THE WEEK	0.01	* INIDAN RIVER NEAR INDIAN LAKE
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2020	1,647.36	3.02	6	2013	1,646.82	2.92
2	2017	1,647.32	3.01	7	2019	1,646.35	2.84
3	2014	1,647.29	3.01	8	2015	1,646.01	2.78
4	2021	1,647.17	2.99	9	2016	1,645.36	2.67
5	2018	1,646.90	2.94	10	2012	1,645.22	2.65

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: August 21, 2021

DATE	INDIAN LAKE RESERVOIR			INDIAN RIVER	HUDSON RIVER	
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	NEWCOMB AVG. DAILY C.F.S.	NORTH CREEK AVG. DAILY C.F.S.
Saturday 14	1,647.17	2.99	12 AM - Mid	211	164	744
Sunday 15	1,647.11	2.97	12 AM - Mid	292	149	819
Monday 16	1,647.00	2.96	12 AM - Mid	291	131	629
Tuesday 17	1,646.85	2.93	12 AM - Mid	393	140	806
Wednesday 18	1,646.88	2.93	12 AM - Mid	632	313	4,920
Thursday 19	1,647.86	3.11	12 AM - Mid	790	725	11,600
Friday 20	1,649.54	3.42	12 AM - Mid	792	1,250	11,200
Saturday 21	1,650.35	3.58	12 AM - Mid	798	1,100	6,860

CHANGE IN STORAGE DURING THE WEEK	0.59	* 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	1,650.35	3.58	6	2013	1,646.25	2.83
2	2017	1,646.96	2.95	7	2019	1,646.23	2.82
3	2020	1,646.92	2.94	8	2015	1,645.52	2.70
4	2018	1,646.73	2.91	9	2016	1,645.09	2.63
5	2014	1,646.45	2.86	10	2012	1,644.66	2.56

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: August 28, 2021

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 21	1,650.35	3.58	12 AM - Mid	798	1,100	6,860
Sunday 22	1,650.49	3.61	12 AM - Mid	798	778	4,270
Monday 23	1,650.38	3.59	12 AM - Mid	795	563	2,980
Tuesday 24	1,650.22	3.56	12 AM - Mid	790	431	2,450
Wednesday 25	1,649.99	3.51	12 AM - Mid	785	342	2,030
Thursday 26	1,649.74	3.46	12 AM - Mid	780	279	1,780
Friday 27	1,649.43	3.40	12 AM - Mid	775	233	1,530
Saturday 28	1,649.16	3.35	12 AM - Mid	772	196	1,470

CHANGE IN STORAGE DURING THE WEEK	-0.23	* 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	1,649.16	3.35	6	2013	1,645.84	2.76
2	2017	1,646.69	2.90	7	2014	1,645.78	2.75
3	2020	1,646.48	2.86	8	2015	1,645.07	2.62
4	2018	1,646.42	2.85	9	2016	1,644.87	2.59
5	2019	1,645.96	2.78	10	2012	1,644.09	2.46

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  
**STILLWATER RESERVOIR OPERATION**

FOR WEEK ENDING: **August 7, 2021**

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 31	1,675.98	3.90	12 AM -Mid	400	490	4,680
Sunday 1	1,675.93	3.89	12 AM -Mid	400	755	4,940
Monday 2	1,676.14	3.94	12 AM -Mid	400	1,100	6,020
Tuesday 3	1,676.28	3.98	12 AM -Mid	400	1,230	6,110
Wednesday 4	1,676.32	3.99	12 AM -Mid	400	948	5,400
Thursday 5	1,676.31	3.98	12 AM -Mid	400	544	3,960
Friday 6	1,676.27	3.97	12 AM -Mid	400	453	2,930
Saturday 7	1,676.23	3.97	12 AM -Mid	400	481	2,500

CHANGE IN STORAGE DURING THE WEEK	0.06
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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	1,676.23	3.97	6	2019	1,674.34	3.50
2	2014	1,675.34	3.74	7	2015	1,674.22	3.47
3	2013	1,675.11	3.68	8	2020	1,673.10	3.21
4	2017	1,674.80	3.61	9	2012	1,672.49	3.08
5	2016	1,674.69	3.58	10	2018	1,671.58	2.88

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

Datum: NAVD 88

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CHIEF ENGINEER

STATE OF NEW YORK  
 HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
**STILLWATER RESERVOIR OPERATION**  
 FOR WEEK ENDING: August 14, 2021

DATE	STILLWATER RESERVOIR			BEAVER RIVER		BLACK RIVER
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	STILLWATER RELEASE AVG. DAILY C.F.S.	CROGHAN AVG. DAILY FLOW C.F.S.	WATERTOWN AVG. DAILY FLOW C.F.S.
Saturday 7	1,676.23	3.97	12 AM -Mid	400	481	2,500
Sunday 8	1,676.17	3.95	12 AM -Mid	400	545	2,270
Monday 9	1,676.16	3.95	12 AM -Mid	400	531	2,560
Tuesday 10	1,676.13	3.94	12 AM -Mid	400	508	2,210
Wednesday 11	1,676.13	3.94	12 AM -Mid	400	633	2,880
Thursday 12	1,676.13	3.94	12 AM -Mid	400	729	3,770
Friday 13	1,676.09	3.93	12 AM -Mid	400	724	3,350
Saturday 14	1,676.07	3.92	12 AM -Mid	400	654	3,020
CHANGE IN STORAGE DURING THE WEEK		-0.04				

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2021	1,676.07	3.92	6	2015	1,673.93	3.40
2	2014	1,674.24	3.48	7	2019	1,673.82	3.38
3	2013	1,674.16	3.46	8	2020	1,672.47	3.07
4	2016	1,674.11	3.44	9	2012	1,671.89	2.95
5	2017	1,674.10	3.44	10	2018	1,670.62	2.68

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

Datum: NAVD 88

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 CHIEF ENGINEER

STATE OF NEW YORK  
 HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
**STILLWATER RESERVOIR OPERATION**  
 FOR WEEK ENDING: August 21, 2021

DATE	STILLWATER RESERVOIR			BEAVER RIVER		BLACK RIVER
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	STILLWATER RELEASE AVG. DAILY C.F.S.	CROGHAN AVG. DAILY FLOW C.F.S.	WATERTOWN AVG. DAILY FLOW C.F.S.
Saturday 14	1,676.07	3.92	12 AM -Mid	400	654	3,020
Sunday 15	1,676.09	3.93	12 AM -Mid	400	582	2,750
Monday 16	1,676.03	3.91	12 AM -Mid	400	505	2,480
Tuesday 17	1,675.96	3.90	12 AM -Mid	400	778	2,770
Wednesday 18	1,676.23	3.97	12 AM -Mid	400	1,050	5,780
Thursday 19	1,676.53	4.04	12 AM -Mid	400	1,520	7,460
Friday 20	1,677.00	4.16	12 AM -Mid	210	1,410	10,700
Saturday 21	1,677.31	4.24	12 AM -Mid	50	993	18,800

CHANGE IN STORAGE DURING THE WEEK	0.32	
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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	1,677.31	4.24	6	2013	1,673.30	3.26
2	2016	1,673.86	3.38	7	2014	1,673.21	3.24
3	2017	1,673.67	3.34	8	2020	1,671.52	2.87
4	2015	1,673.54	3.31	9	2012	1,671.15	2.79
5	2019	1,673.34	3.27	10	2018	1,670.20	2.59

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: **August 28, 2021**

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 21	1,677.31	4.24	12 AM -Mid	50	993	18,800
Sunday 22	1,677.52	4.30	12 AM -Mid	50	446	20,300
Monday 23	1,677.67	4.34	12 AM -Mid	50	361	15,700
Tuesday 24	1,677.79	4.37	12 AM -Mid	50	292	11,500
Wednesday 25	1,677.90	4.40	12 AM -Mid	254	286	8,720
Thursday 26	1,677.91	4.40	12 AM -Mid	400	313	6,590
Friday 27	1,677.88	4.39	12 AM -Mid	400	347	4,880
Saturday 28	1,677.84	4.38	12 AM -Mid	400	353	3,420

CHANGE IN STORAGE DURING THE WEEK

0.14

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2021	1,677.84	4.38	6	2019	1,672.82	3.15
2	2016	1,673.46	3.30	7	2013	1,672.59	3.10
3	2017	1,673.34	3.27	8	2020	1,670.46	2.65
4	2015	1,672.99	3.19	9	2012	1,670.40	2.64
5	2014	1,672.91	3.17	10	2018	1,669.73	2.51

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: August 7, 2021

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 31	1,706.99	0.924	84	1,785.96	0.301	30
Sunday 1	1,706.98	0.923	84	1,785.94	0.300	30
Monday 2	1,707.03	0.929	84	1,785.97	0.301	30
Tuesday 3	1,707.05	0.931	84	1,785.96	0.301	30
Wednesday 4	1,707.04	0.930	84	1,785.93	0.300	17
Thursday 5	1,707.02	0.927	84	1,785.93	0.300	10
Friday 6	1,706.99	0.924	51	1,785.94	0.300	10
Saturday 7	1,706.97	0.922	32	1,785.94	0.300	10
CHANGE IN STORAGE		-0.003			-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	1,706.97	0.922	1	2021	1,785.94	0.300
2	2020	1,706.94	0.916	2	2019	1,785.93	0.300
3	2019	1,706.92	0.913	3	2017	1,785.89	0.299
4	2017	1,706.90	0.910	4	2020	1,785.83	0.297
5	2018	1,706.88	0.908	5	2018	1,785.81	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

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CHIEF ENGINEER

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

FOR WEEK ENDING: August 14, 2021

DATE	OLD FORGE RESERVOIR			SIXTH LAKE RESERVOIR		
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.
Saturday 7	1,706.97	0.922	32	1,785.94	0.300	10
Sunday 8	1,706.98	0.923	32	1,785.95	0.300	10
Monday 9	1,707.05	0.931	32	1,785.98	0.301	10
Tuesday 10	1,707.06	0.933	32	1,785.99	0.302	10
Wednesday 11	1,707.06	0.933	32	1,786.02	0.303	10
Thursday 12	1,707.07	0.934	65	1,786.06	0.304	10
Friday 13	1,707.05	0.931	85	1,786.06	0.304	21
Saturday 14	1,707.03	0.929	85	1,786.06	0.304	30
CHANGE IN STORAGE		0.007			0.004	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2021	1,707.03	0.929	1	2017	1,786.12	0.306
2	2019	1,706.99	0.924	2	2021	1,786.06	0.304
3	2020	1,706.89	0.909	3	2019	1,786.00	0.302
4	2018	1,706.86	0.905	4	2020	1,785.84	0.297
5	2017	1,706.85	0.904	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: August 21, 2021

DATE	OLD FORGE RESERVOIR			SIXTH LAKE RESERVOIR		
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.
Saturday 14	1,707.03	0.929	85	1,786.06	0.304	30
Sunday 15	1,707.01	0.927	85	1,786.03	0.303	30
Monday 16	1,706.99	0.924	85	1,785.99	0.302	30
Tuesday 17	1,706.96	0.920	85	1,785.95	0.300	29
Wednesday 18	1,707.06	0.933	311	1,786.06	0.304	171
Thursday 19	1,707.42	0.985	554	1,786.73	0.326	327
Friday 20	1,707.66	1.018	600	1,786.92	0.332	300
Saturday 21	1,707.67	1.020	600	1,786.61	0.322	268
CHANGE IN STORAGE		0.091			0.018	

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	1,707.67	1.020	1	2021	1,786.61	0.322
2	2019	1,706.99	0.924	2	2019	1,786.05	0.304
3	2018	1,706.99	0.924	3	2017	1,785.92	0.299
4	2017	1,706.86	0.905	4	2018	1,785.82	0.296
5	2020	1,706.85	0.904	5	2020	1,785.78	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: August 28, 2021

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 21	1,707.67	1.020	600	1,786.61	0.322	268
Sunday 22	1,707.64	1.015	540	1,786.22	0.309	255
Monday 23	1,707.51	0.997	521	1,786.04	0.303	157
Tuesday 24	1,707.29	0.965	493	1,785.93	0.300	76
Wednesday 25	1,707.09	0.937	239	1,785.89	0.299	37
Thursday 26	1,707.00	0.926	84	1,785.87	0.298	37
Friday 27	1,706.98	0.923	84	1,785.84	0.297	23
Saturday 28	1,706.97	0.922	84	1,785.84	0.297	19
CHANGE IN STORAGE		-0.098			-0.025	

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	2018	1,706.99	0.924	1	2019	1,785.91	0.299
2	2017	1,706.99	0.924	2	2021	1,785.84	0.297
3	2021	1,706.97	0.922	3	2017	1,785.82	0.296
4	2020	1,706.91	0.912	4	2020	1,785.78	0.295
5	2019	1,706.88	0.908	5	2018	1,785.76	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