

**REPORT OF CHIEF ENGINEER**  
**HUDSON RIVER - BLACK RIVER REGULATING DISTRICT**  
**BOARD MEETING**  
**JULY 13, 2021 – UTICA, NEW YORK**

**HUDSON RIVER AREA - JUNE SUMMARY**

**Reservoir Operation**

Great Sacandaga Lake

The June average daily release from the Sacandaga Reservoir (Great Sacandaga Lake) was approximately 1,280 cubic feet per second (cfs). The Upper Hudson / Sacandaga River Offer of Settlement target elevation for June 30 is 766.62 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
May 31	765.56	-1.06	-1.56	0	1,470
June 30	764.8 (e)	-0.5 (e)	-1.8 (e)	0	1,567 (e)

Notes: <sup>(1)</sup> Difference between current reservoir elevation and historic average or Level 3

<sup>(2)</sup> Release established by Regulating District

<sup>(3)</sup> "(e)" represents estimated value

<sup>(4)</sup> "NAVD" is North American Vertical Datum

Indian Lake Reservoir

The June average daily release from Indian Lake was approximately 205 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	
May 31	1650.02	+0.17	+0.33	96
June 30	1649.0 (e)	-0.5 (e)	+0.3 (e)	347 (e)

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

<sup>(2)</sup> "(e)" represents estimated value

## HUDSON RIVER AREA - JUNE SUMMARY- continued

### River Flow

Hudson River flow, downstream of the confluence with the Sacandaga River, was approximately 2,650 cfs on June 27 and approximately 2,200 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	422	797
<b>Sacandaga</b> at Stewarts Bridge	1,280	2,100
<b>Indian</b> at Indian Lake Dam	205	271
<b>Hudson</b> at Hadley (1)	1,140	2,600

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 70%, 103%, and 132% historic average at Indian Lake, Mayfield, and Conklingville, respectively, as of June 27

Table 4.0 - *Hudson River Basin Precipitation - as of June 27*

<b>Station</b>	<b>Monthly Total (inch)</b>	<b>Historic Average (inch)</b>
<b>Indian Lake</b>	2.96	4.23
<b>Mayfield</b>	4.08	3.97
<b>Conklingville</b>	5.07	3.86

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

### **Operation Overview**

Precipitation during the month of June was near average across the Great Sacandaga Lake watershed and the Indian Lake watershed. The monthly inflow to Great Sacandaga Lake and Indian Lake reservoir was approximately 63% and 50% of historic average, respectively. Monthly release of water from Great Sacandaga Lake and Indian Lake measured 61% and 75% of historic average, respectively.

### **Great Sacandaga Lake Operation**

Great Sacandaga Lake operation summary report for the period June 1, 2021 through June 27, 2021 is attached. This report includes projected and forecast values for dates after June 27, 2021.

### **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 attached in the Administrator's Report.

## BLACK RIVER AREA – JUNE SUMMARY

### Reservoir Operations

#### Stillwater Reservoir

The June average daily release from Stillwater Reservoir was approximately 300 cfs. The maximum discharge for the month was 300 cfs.

Table 1.0 - *Stillwater Reservoir Elevation and Release*

Date	Daily Average Elevation (ft, NAVD)	Deviation from Average Elevation (ft) (1)	Release (cfs)
May 31	1,678.07	-0.38	300
June 30	1,676.1 (e)	-1.6 (e)	300 (e)

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

#### Sixth Lake Reservoir

The June average daily release from Sixth Lake Reservoir was approximately 14 cfs.

Table 2.0 - *Sixth Lake Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
May 31	1,785.90	+0.13	10
June 30	1,785.9 (e)	+0.1 (e)	5 (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 June average daily release from Old Forge Reservoir was approximately 45 cfs.

Table 3.0 - *Old Forge Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
May 31	1,706.88	+0.07	8
June 30	1,706.9 (e)	0.0 (e)	8 (e)

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

## BLACK RIVER AREA - JUNE SUMMARY - continued

### River Flow

The average daily Black River flow, as measured at the Watertown gauge, was approximately 1,380 cfs on June 27.

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	332 (e)	636
<b>Beaver</b> at Croghan	340 (e)	546
<b>Black</b> at Watertown	1,650 (e)	2,930

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 69%, 105%, 95% of historic average at Stillwater, Old Forge, and Sixth Lake, respectively, as of June 27.

Table 5.0 - *Black River Basin Precipitation - as of June 27*

<b>Station</b>	<b>Monthly Total (inch)</b>	<b>Historic Average (inch)</b>
<b>Stillwater</b>	3.57	5.18
<b>Old Forge</b>	5.03	4.81
<b>Sixth Lake</b>	4.02	4.25

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

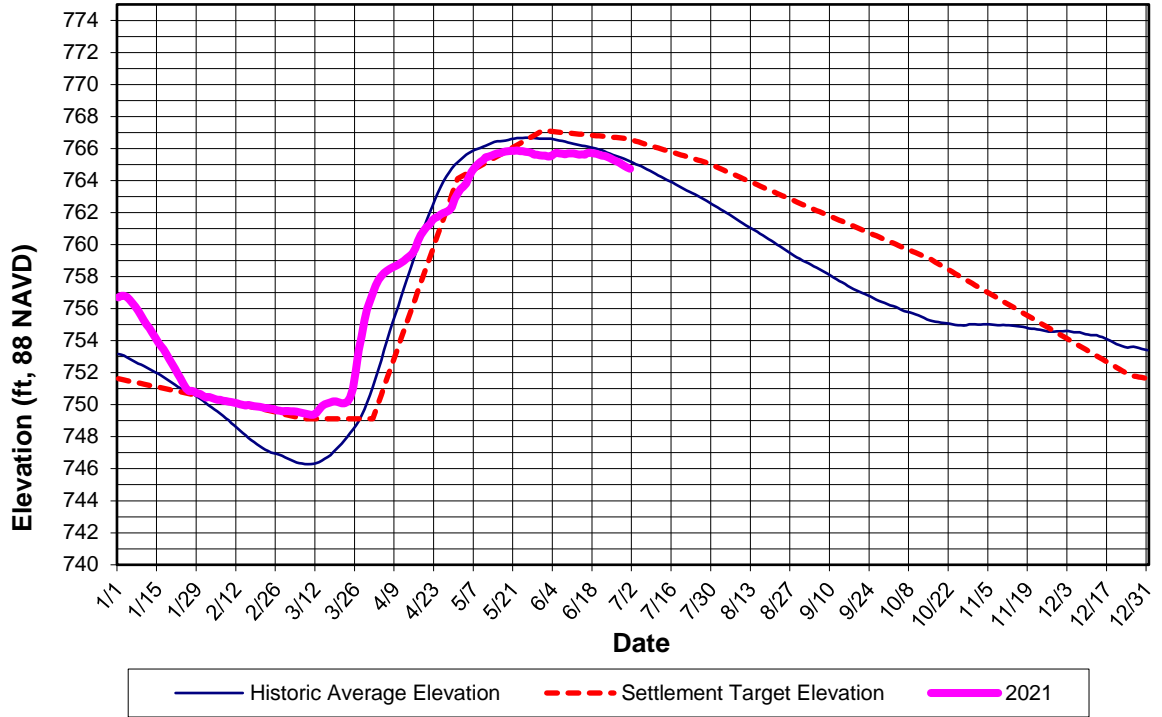
### **Operation Overview**

Precipitation in the month of June was below average at Stillwater, Sixth Lake and above average at Old Forge Reservoir. The monthly inflow to Stillwater Reservoir was approximately 26% of historic average. The inflow to Sixth Lake and Old Forge Reservoir totaled 0.04 and 0.12 billion cubic feet, respectively, in June. Release of water from Stillwater Reservoir averaged 71% of historic discharge.

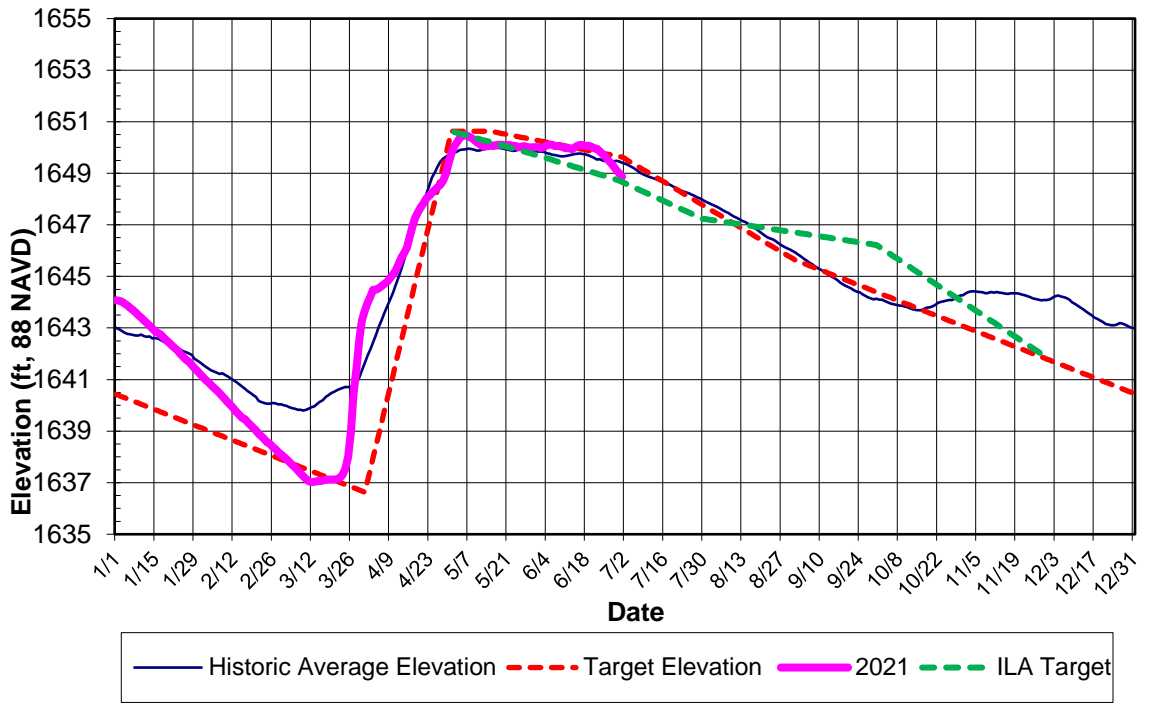
### **Black River Area Staff Activities**

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

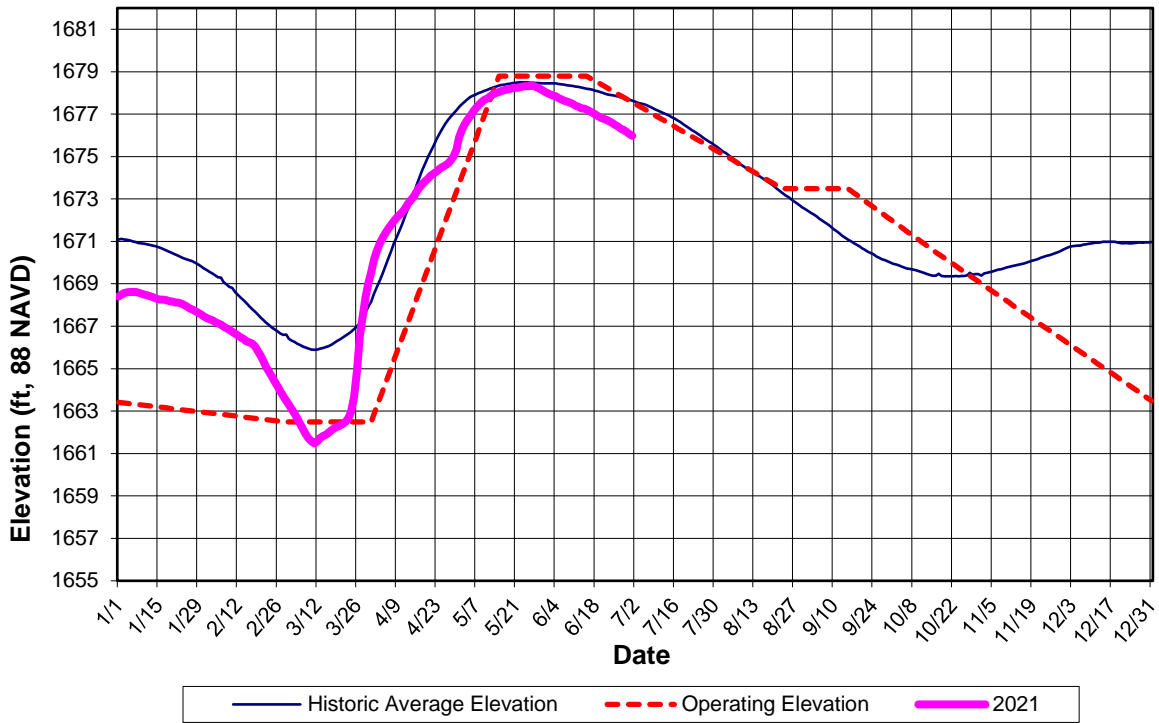
### Great Sacandaga Lake 2021 Reservoir Elevation



### Indian Lake 2021 Reservoir Elevation

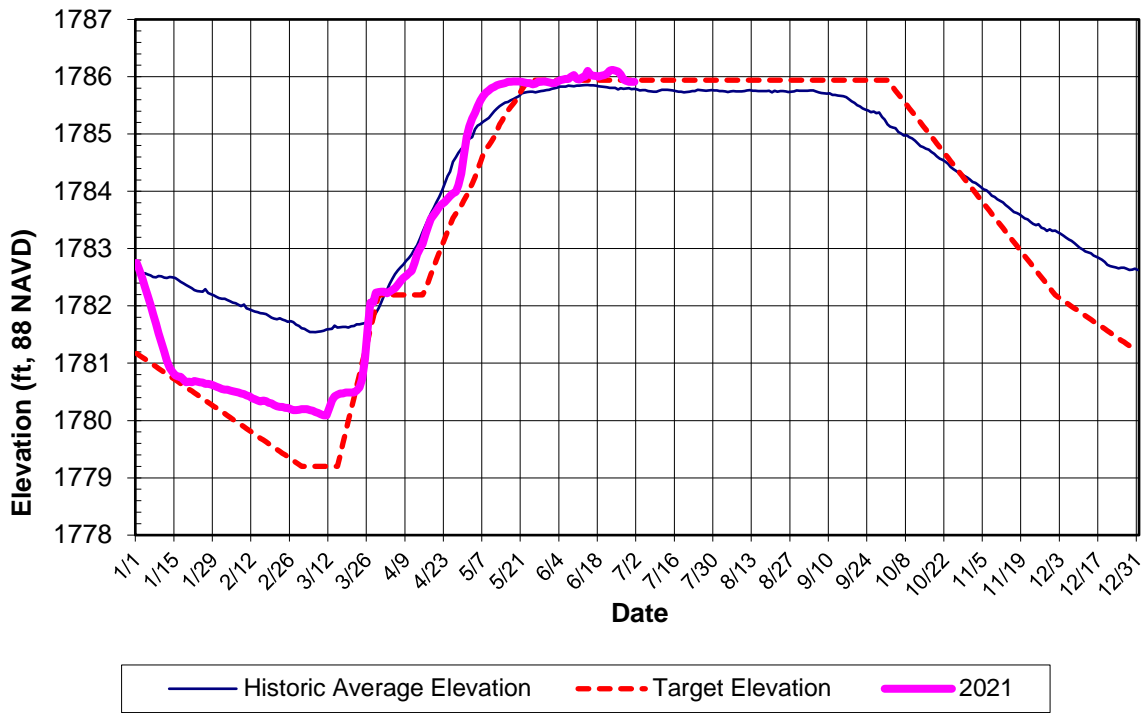


### Stillwater Reservoir 2021 Reservoir Elevation

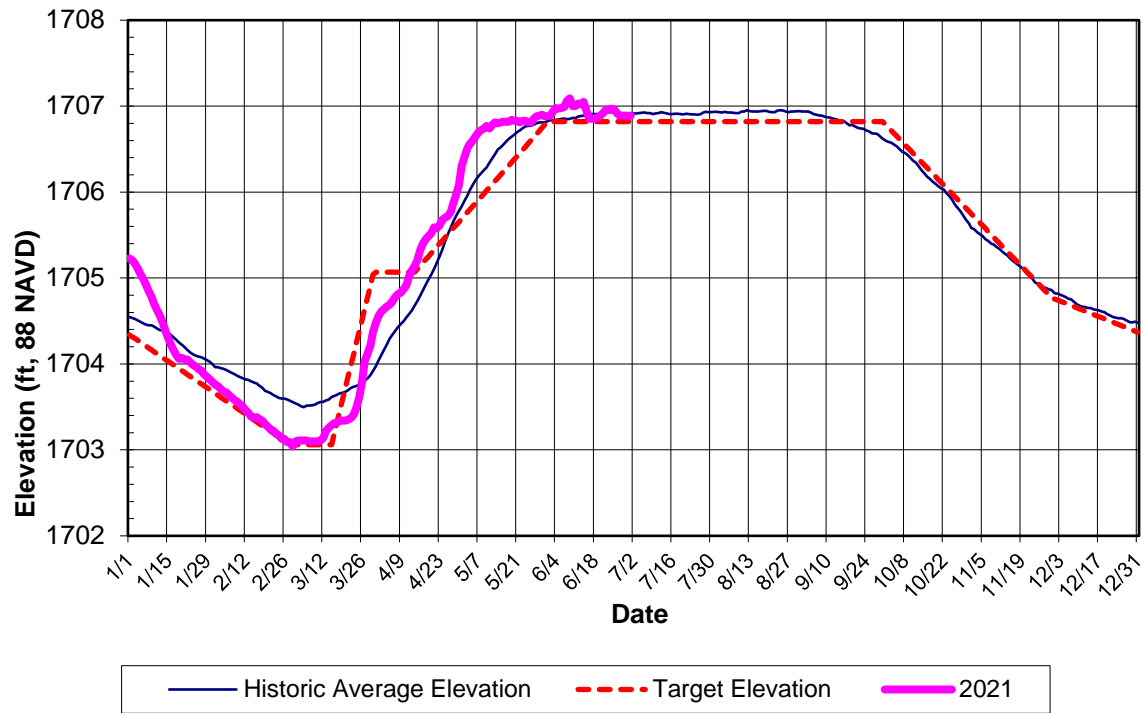




### Sixth Lake 2021 Reservoir Elevation



### Old Forge 2021 Reservoir Elevation



**SACANDAGA RESERVOIR ELEVATION CALCULATOR**

Datum:

**1988 NAVD**

Settlement Parameters	
Date	6/28/2021
Target Elevation	766.65
Actual "Level"	2.56
"Level 2.5 threshold"	764.03
"Level 1.2 threshold"	756.75
<b>Hudson River Target</b>	<b>Elevation Level</b>
Maximum Flow (cfs)	8000 7500
Minimum Flow (cfs)	n/a 1789
Min. Rec/Rafting Hours (hrs)	8

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
<b>8</b>	<b>1567</b>

\* 4000 cfs/hr + base flow 350 cfs

Daily Conditions	
Date	6/28/2021
Day of Year	5293
Starting Elevation (ft)	765.06
Average Elevation	765.01
Flow Below Hadley (cfs)	2567
Today's Release	1567
Tomorrow's Release	1567

**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)					
6/1/2021	765.53	900	1040	0	0	1040	4653	2.23	920	1960	1760	8000	7230	765.51	6/2/2021	765.52	767.10	766.62
6/2/2021	765.51	1000	1070	0	0	1070	4607	2.23	988	2058	1760	8000	7230	765.50	6/3/2021	765.51	767.09	766.62
6/3/2021	765.50	2300	1050	0	0	1050	4653	2.29	898	1948	1760	8000	7290	765.59	6/4/2021	765.55	767.07	766.61
6/4/2021	765.59	2400	1150	0	0	1150	4700	2.35	1340	2490	1760	8000	7350	765.68	6/5/2021	765.64	767.05	766.59
6/5/2021	765.68	1800	1320	0	0	1320	4700	2.38	1170	2490	1760	8000	7370	765.71	6/6/2021	765.70	767.04	766.55
6/6/2021	765.71	800	1190	0	0	1190	4700	2.40	1170	2360	1760	8000	7400	765.67	6/7/2021	765.69	767.02	766.50
6/7/2021	765.67	600	1060	0	0	1060	4700	2.43	1040	2100	1760	8000	7430	765.63	6/8/2021	765.65	767.00	766.47
6/8/2021	765.63	1900	1160	0	0	1160	4700	2.43	890	2050	1760	8000	7420	765.68	6/9/2021	765.66	766.99	766.43
6/9/2021	765.68	1400	1190	0	0	1190	4700	2.42	1190	2380	1760	8000	7420	765.69	6/10/2021	765.69	766.97	766.39
6/10/2021	765.69	1100	1190	0	0	1190	4700	2.48	944	2134	1760	8000	7480	765.68	6/11/2021	765.69	766.95	766.34
6/11/2021	765.68	600	1210	0	0	1210	4700	2.42	973	2183	1760	8000	7410	765.63	6/12/2021	765.66	766.94	766.30
6/12/2021	765.63	1100	1150	0	0	1150	4700	2.43	888	2038	1760	8000	7420	765.62	6/13/2021	765.63	766.92	766.26
6/13/2021	765.62	900	1150	0	0	1150	4653	2.44	977	2127	1760	8000	7430	765.60	6/14/2021	765.61	766.90	766.21
6/14/2021	765.60	2100	1070	0	0	1070	4700	2.54	982	2052	1779	8000	7500	765.68	6/15/2021	765.64	766.89	766.18
6/15/2021	765.68	1600	1050	0	0	1050	4700	2.56	2000	3050	1789	8000	7500	765.72	6/16/2021	765.70	766.87	766.16
6/16/2021	765.72	1200	1020	0	0	1020	4747	2.60	1800	2820	1808	8000	7500	765.73	6/17/2021	765.73	766.85	766.11
6/17/2021	765.73	700	1040	0	0	1040	4700	2.61	1540	2580	1813	8000	7500	765.70	6/18/2021	765.72	766.84	766.08
6/18/2021	765.70	700	1080	0	0	1080	4700	2.61	1390	2470	1813	8000	7500	765.67	6/19/2021	765.69	766.82	766.04
6/19/2021	765.67	900	1100	0	0	1100	4700	2.62	1190	2290	1818	8000	7500	765.65	6/20/2021	765.66	766.80	765.99
6/20/2021	765.65	100	1100	0	0	1100	4653	2.61	1150	2250	1813	8000	7500	765.57	6/21/2021	765.61	766.79	765.94
6/21/2021	765.57	1700	1610	0	0	1610	4653	2.60	1050	2660	1808	8000	7500	765.57	6/22/2021	765.57	766.77	765.89
6/22/2021	765.57	800	1590	0	0	1590	4653	2.60	1200	2790	1803	8000	7500	765.50	6/23/2021	765.54	766.75	765.82
6/23/2021	765.50	600	1590	0	0	1590	4607	2.59	1400	2990	1798	8000	7500	765.42	6/24/2021	765.46	766.74	765.75
6/24/2021	765.42	700	1590	0	0	1590	4560	2.58	1270	2860	1798	8000	7500	765.35	6/25/2021	765.39	766.72	765.67
6/25/2021	765.35	500	1590	0	0	1590	4513	2.57	1210	2800	1794	8000	7500	765.26	6/26/2021	765.31	766.70	765.60
6/26/2021	765.26	500	1600	0	0	1600	4467	2.57	1020	2620	1789	8000	7500	765.17	6/27/2021	765.22	766.69	765.53
6/27/2021	765.17	300	1610	0	0	1610	4420	2.56	1040	2650	1784	8000	7500	765.06	6/28/2021	765.12	766.67	765.47
6/28/2021	765.06	300	1567	0	0	1567	4373	2.55	1000	2567	1784	8000	7500	764.96	6/29/2021	765.01	766.65	765.41
6/29/2021	764.96	500	1567	0	0	1567	4327	2.54	1000	2567	1779	8000	7500	764.87	6/30/2021	764.92	766.64	765.36
6/30/2021	764.87	500	1567	0	0	1567	4327	2.54	1100	2667	1774	8000	7500	764.78	7/1/2021	764.83	766.62	765.28
7/1/2021	764.78	500	1567	0	0	1567	4280	2.53	1200	2767	1770	8000	7500	764.69	7/2/2021	764.74	766.57	765.20
7/2/2021	764.69	500	1567	0	0	1567	4233	2.52	1200	2767	1770	8000	7500	764.60	7/3/2021		766.46	765.12
6/6/2020	767.29	1000	800	0	0	800	5487	3.00	500	1300	2000	8000	7500	760.17	3/15/2019	#N/A	#N/A	#N/A

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

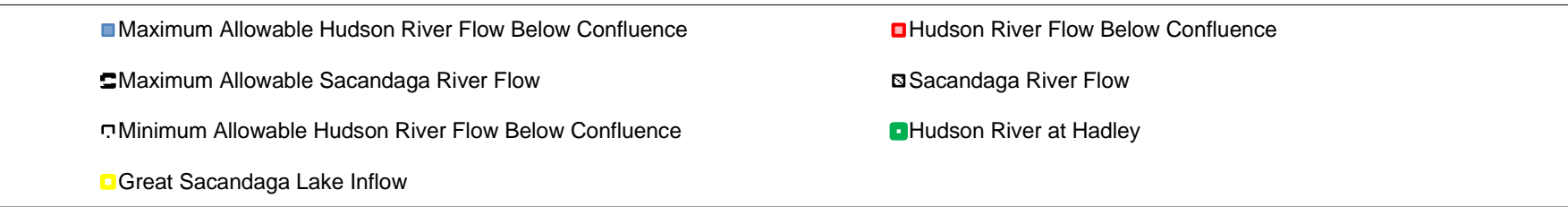
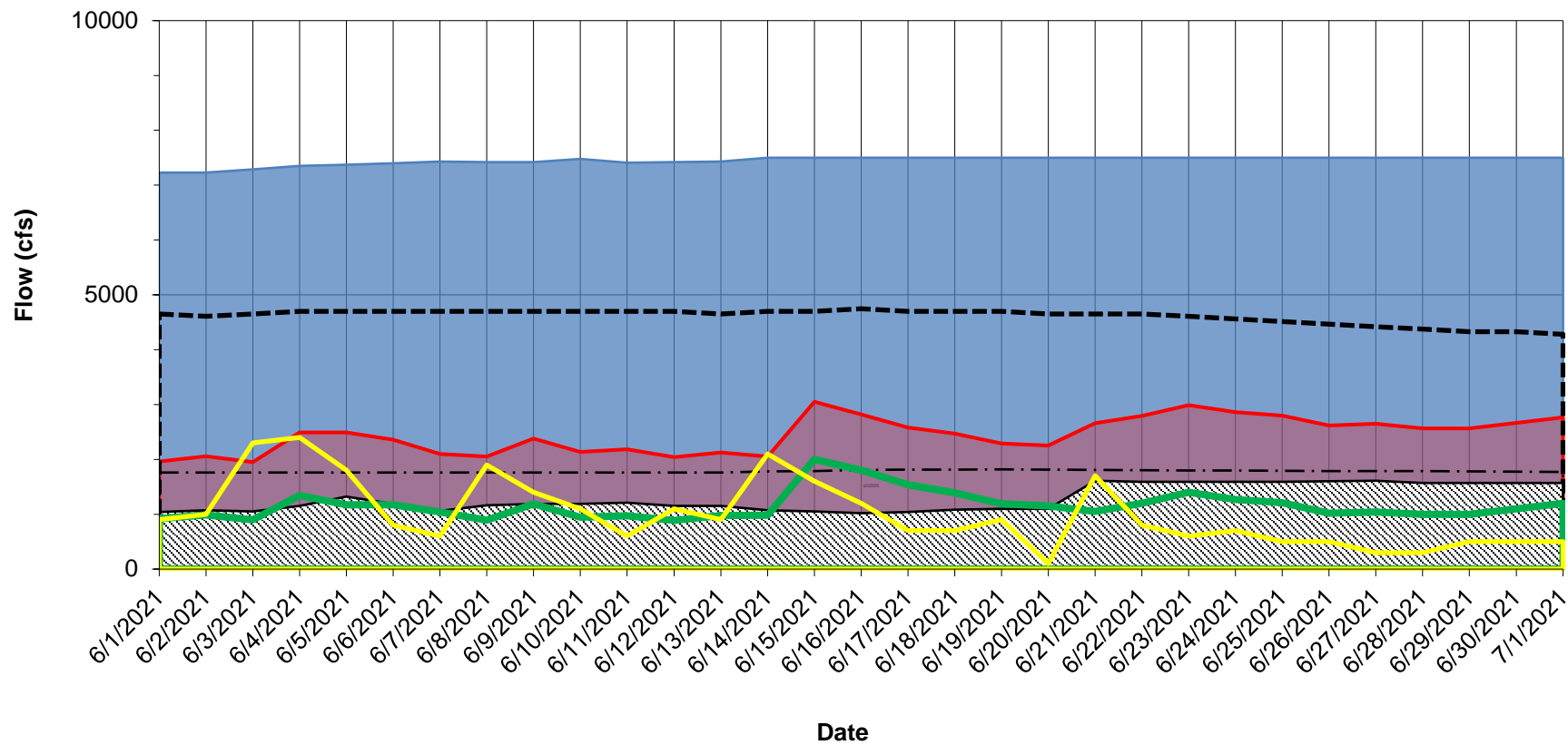
Date: \_\_\_\_\_

**GREAT SACANDAGA LAKE  
RESERVOIR OPERATION SUMMARY**

Print Date: 6/28/2021  
 Period of Record: 6/1/2021 to 6/29/2021

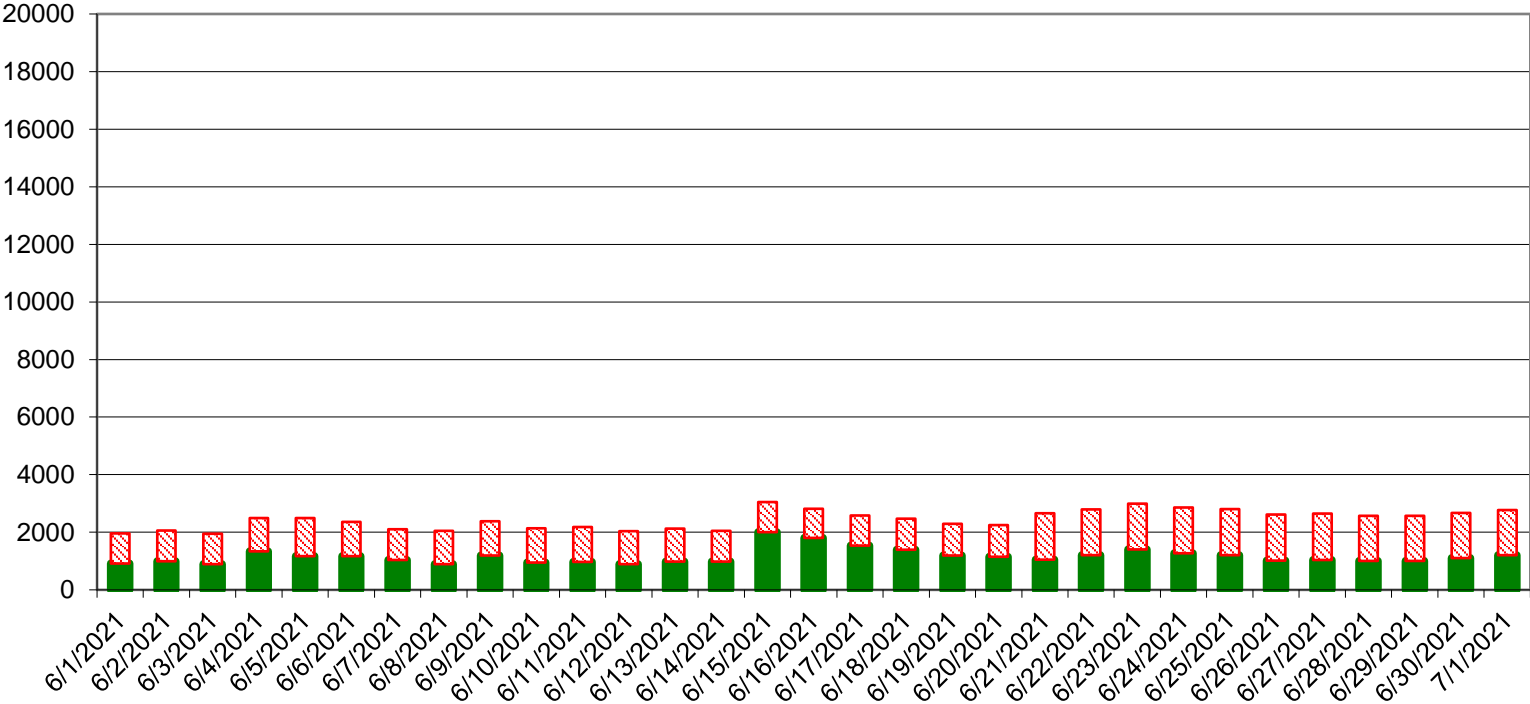
Starting Date 12:00 AM	Daily Avg. Elevation	Net Average Inflow	Sacandaga River Flow Average Release		Maximum (Table F - Elev.)	Settlement Level	Hudson at Hadley	Hudson River Below Confluence	Hudson River Target Flow Minimum (Table B - Level)		Maximum (Table D & E)	Maximum Allowable Sacandaga
6/1/2021	765.52	900	1040	4653	2.23	920	1960	1760	7230	4653		
6/2/2021	765.51	1000	1070	4607	2.23	988	2058	1760	7230	4607		
6/3/2021	765.55	2300	1050	4653	2.29	898	1948	1760	7290	4607		
6/4/2021	765.64	2400	1150	4700	2.35	1340	2490	1760	7350	4653		
6/5/2021	765.70	1800	1320	4700	2.38	1170	2490	1760	7370	4700		
6/6/2021	765.69	800	1190	4700	2.40	1170	2360	1760	7400	4700		
6/7/2021	765.65	600	1060	4700	2.43	1040	2100	1760	7430	4700		
6/8/2021	765.66	1900	1160	4700	2.43	890	2050	1760	7420	4700		
6/9/2021	765.69	1400	1190	4700	2.42	1190	2380	1760	7420	4700		
6/10/2021	765.69	1100	1190	4700	2.48	944	2134	1760	7480	4700		
6/11/2021	765.66	600	1210	4700	2.42	973	2183	1760	7410	4700		
6/12/2021	765.63	1100	1150	4700	2.43	888	2038	1760	7420	4700		
6/13/2021	765.61	900	1150	4653	2.44	977	2127	1760	7430	4700		
6/14/2021	765.64	2100	1070	4700	2.54	982	2052	1779	7500	4653		
6/15/2021	765.70	1600	1050	4700	2.56	2000	3050	1789	7500	4700		
6/16/2021	765.73	1200	1020	4747	2.60	1800	2820	1808	7500	4747		
6/17/2021	765.72	700	1040	4700	2.61	1540	2580	1813	7500	4747		
6/18/2021	765.69	700	1080	4700	2.61	1390	2470	1813	7500	4700		
6/19/2021	765.66	900	1100	4700	2.62	1190	2290	1818	7500	4700		
6/20/2021	765.61	100	1100	4653	2.61	1150	2250	1813	7500	4700		
6/21/2021	765.57	1700	1610	4653	2.60	1050	2660	1808	7500	4653		
6/22/2021	765.54	800	1590	4653	2.60	1200	2790	1803	7500	4653		
6/23/2021	765.46	600	1590	4607	2.59	1400	2990	1798	7500	4607		
6/24/2021	765.39	700	1590	4560	2.58	1270	2860	1798	7500	4607		
6/25/2021	765.31	500	1590	4513	2.57	1210	2800	1794	7500	4560		
6/26/2021	765.22	500	1600	4467	2.57	1020	2620	1789	7500	4513		
6/27/2021	765.12	300	1610	4420	2.56	1040	2650	1784	7500	4467		
6/28/2021	765.01	300	1567	4373	2.55	1000	2567	1784	7500	4420		
6/29/2021	764.92	500	1567	4327	2.54	1000	2567	1779	7500	4373		
6/30/2021	764.83	500	1567	4327	2.54	1100	2667	1774	7500	4327		
7/1/2021	764.74	500	1567	4280	2.53	1200	2767	1770	7500	4280		

## 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: May 2021

Day	Sacandaga Reservoir Elevation Average Daily	Sacandaga Reservoir Elevation Midnight	Sacandaga River Near Hope cfs	Reservoir Inflow Hope x 1.8951 cfs	Sacandaga River at Stewarts Bridge cfs	Hudson River at Hadley cfs	Regulated Hudson River below confluence cfs
1	763.18	763.04	2540	4814	381	8120	8501
2	763.45	763.32	2180	4131	380	8040	8420
3	763.62	763.52	1780	3373	555	7020	7575
4	763.82	763.71	1580	2994	384	6110	6494
5	764.19	763.93	2030	3847	386	5880	6266
6	764.55	764.37	2060	3904	385	6280	6665
7	764.79	764.66	1770	3354	382	6010	6392
8	765.00	764.88	1440	2729	381	5520	5901
9	765.16	765.03	1270	2407	380	5070	5450
10	765.28	765.17	1090	2066	380	4660	5040
11	765.46	765.32	1040	1971	380	4230	4610
12	765.49	765.51	904	1713	380	3740	4120
13	765.56	765.51	810	1535	380	3290	3670
14	765.64	765.58	727	1378	380	2980	3360
15	765.70	765.66	656	1243	380	2510	2890
16	765.72	765.75	536	1016	380	2390	2770
17	765.77	765.80	527	999	380	2240	2620
18	765.82	765.77	491	930	436	1880	2316
19	765.83	765.86	438	830	395	1780	2175
20	765.85	765.82	351	665	529	1560	2089
21	765.85	765.84	320	606	399	1560	1959
22	765.88	765.86	298	565	732	1350	2082
23	765.84	765.84	276	523	469	1380	1849
24	765.83	765.81	254	481	685	1260	1945
25	765.80	765.81	235	445	897	1070	1967
26	765.77	765.77	224	425	881	1100	1981
27	765.73	765.76	223	423	916	950	1866
28	765.62	765.63	219	415	867	1020	1887
29	765.61	765.66	285	540	1300	887	2187
30	765.57	765.62	286	542	1290	993	2283
31	765.56	765.61	321	608	1470	1030	2500

AVERAGE	880	1660	580	3290	3870
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CHANGE IN STORAGE DURING THE MONTH 2.75 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: May, 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	1649.78	1649.63	827	63	1740	5830
2	1650.05	1649.96	480	63	1810	5140
3	1650.22	1650.14	433	63	1410	3730
4	1650.37	1650.30	495	171	1080	2960
5	1650.46	1650.44	392	299	949	2700
6	1650.48	1650.48	441	464	1080	3160
7	1650.44	1650.47	348	464	960	2910
8	1650.38	1650.42	279	464	750	2590
9	1650.30	1650.35	301	463	641	2310
10	1650.21	1650.27	252	460	588	2070
11	1650.14	1650.18	181	389	539	1930
12	1650.06	1650.09	125	241	482	1520
13	1650.04	1650.04	240	194	424	1450
14	1650.06	1650.06	149	103	373	1110
15	1650.08	1650.08	103	103	334	1100
16	1650.08	1650.08	126	103	307	989
17	1650.09	1650.09	103	103	280	788
18	1650.10	1650.10	103	103	257	776
19	1650.10	1650.09	103	103	239	624
20	1650.09	1650.10	57	103	223	716
21	1650.09	1650.07	126	103	205	546
22	1650.09	1650.08	57	103	189	651
23	1650.07	1650.06	149	103	175	579
24	1650.05	1650.08	34	103	164	423
25	1650.01	1650.05	79	102	154	529
26	1650.03	1650.04	56	102	143	379
27	1650.05	1650.02	147	101	137	514
28	1650.02	1650.04	32	101	133	346
29	1650.01	1650.01	101	101	123	487
30	1650.00	1650.01	119	96	114	445
31	1650.02	1650.02	73	96	113	341

AVERAGE 210 182 520 1601

CHANGE IN STORAGE DURING THE MONTH 0.076 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: May 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	1675.90	1675.65	1433	50	1540	1350	7800
2	1676.27	1676.13	874	50	1240	1180	8810
3	1676.53	1676.41	727	50	1150	719	8850
4	1676.74	1676.64	580	50	947	371	7930
5	1676.93	1676.82	701	50	914	405	6720
6	1677.13	1677.04	595	50	925	377	5790
7	1677.30	1677.22	535	50	817	365	5260
8	1677.44	1677.38	413	50	806	376	5010
9	1677.57	1677.50	474	50	864	399	5360
10	1677.68	1677.64	323	50	794	328	5120
11	1677.74	1677.73	232	50	713	345	4620
12	1677.85	1677.79	383	50	624	360	3960
13	1677.93	1677.90	232	50	524	277	3450
14	1677.99	1677.96	234	50	431	244	2990
15	1678.04	1678.02	175	50	393	217	2600
16	1678.09	1678.06	237	50	339	206	2260
17	1678.13	1678.12	144	50	305	161	2210
18	1678.16	1678.15	144	50	261	145	2000
19	1678.20	1678.18	175	50	243	145	1800
20	1678.23	1678.22	142	79	243	141	1630
21	1678.24	1678.24	133	71	263	128	1550
22	1678.26	1678.26	112	50	249	125	1380
23	1678.29	1678.28	175	50	245	129	1380
24	1678.32	1678.32	50	50	260	128	1320
25	1678.32	1678.32	50	50	225	139	1310
26	1678.33	1678.32	144	50	252	139	1260
27	1678.33	1678.35	102	196	397	217	1160
28	1678.28	1678.32	113	300	381	368	1480
29	1678.22	1678.26	50	300	456	307	1650
30	1678.15	1678.18	81	300	401	303	1650
31	1678.07	1678.11	81	300	328	296	1660

AVERAGE	317	89	570	340	3550
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CHANGE IN STORAGE DURING THE MONTH 0.61 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: May, 2021

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1784.95	1784.82	96	0.00	0.08	5
2	1785.13	1785.07	57	0.00	0.08	5
3	1785.27	1785.21	49	0.00	0.08	5
4	1785.37	1785.33	38	0.00	0.08	5
5	1785.48	1785.42	49	0.00	0.08	5
6	1785.59	1785.54	38	0.00	0.08	5
7	1785.66	1785.63	11	0.00	0.25	11
8	1785.72	1785.70	15	0.00	0.25	15
9	1785.76	1785.75	15	0.00	0.25	15
10	1785.80	1785.79	15	0.00	0.25	15
11	1785.82	1785.81	15	0.00	0.25	15
12	1785.85	1785.83	15	0.00	0.25	15
13	1785.87	1785.86	15	0.00	0.25	15
14	1785.88	1785.88	15	0.00	0.25	15
15	1785.89	1785.89	15	0.00	0.25	15
16	1785.91	1785.90	15	0.00	0.25	15
17	1785.91	1785.92	15	0.00	0.25	15
18	1785.92	1785.92	15	0.00	0.25	15
19	1785.92	1785.92	15	0.00	0.25	15
20	1785.92	1785.92	15	0.00	0.25	15
21	1785.91	1785.92	15	0.00	0.25	15
22	1785.90	1785.91	15	0.00	0.25	15
23	1785.89	1785.90	15	0.00	0.25	15
24	1785.89	1785.90	15	0.00	0.25	15
25	1785.87	1785.88	12	0.08	0.08	12
26	1785.88	1785.87	10	0.08	0.08	10
27	1785.91	1785.92	10	0.08	0.08	10
28	1785.91	1785.91	10	0.08	0.08	10
29	1785.92	1785.92	10	0.08	0.08	10
30	1785.91	1785.91	10	0.08	0.08	10
31	1785.90	1785.90	10	0.08	0.08	10

AVERAGE 21 12

CHANGE IN STORAGE DURING THE MONTH 0.034 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: May, 2021

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1706.30	1706.22	260	0.00	0.08	4
2	1706.41	1706.38	141	0.00	0.08	4
3	1706.51	1706.47	115	0.00	0.08	4
4	1706.56	1706.54	66	0.25	0.25	17
5	1706.60	1706.57	102	0.25	0.25	24
6	1706.65	1706.62	114	0.25	0.25	24
7	1706.69	1706.68	88	0.25	0.25	24
8	1706.72	1706.72	56	0.25	0.25	24
9	1706.74	1706.74	73	0.25	0.25	24
10	1706.77	1706.77	8	0.25	0.25	24
11	1706.74	1706.76	40	0.25	0.25	24
12	1706.78	1706.77	71	0.25	0.25	24
13	1706.81	1706.80	24	0.25	0.25	24
14	1706.80	1706.80	54	0.25	0.25	24
15	1706.81	1706.82	24	0.25	0.25	24
16	1706.82	1706.82	24	0.25	0.25	24
17	1706.82	1706.82	39	0.25	0.25	24
18	1706.82	1706.83	24	0.25	0.25	24
19	1706.84	1706.83	39	0.25	0.25	24
20	1706.83	1706.84	9	0.25	0.25	24
21	1706.83	1706.83	39	0.25	0.25	24
22	1706.81	1706.84	-6	0.25	0.25	24
23	1706.83	1706.82	39	0.25	0.25	24
24	1706.83	1706.83	9	0.25	0.25	24
25	1706.81	1706.82	24	0.25	0.25	24
26	1706.81	1706.82	69	0.25	0.25	24
27	1706.85	1706.85	59	0.00	0.17	14
28	1706.88	1706.88	8	0.00	0.17	8
29	1706.89	1706.88	8	0.00	0.17	8
30	1706.90	1706.88	23	0.00	0.17	8
31	1706.88	1706.89	8	0.00	0.17	8

AVERAGE 53 19

CHANGE IN STORAGE DURING THE MONTH 0.091 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: June 5, 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 29	765.66	32.64	12 AM - Mid	1,300	887	2,187
Sunday 30	765.62	32.60	12 AM - Mid	1,290	993	2,283
Monday 31	765.61	32.59	12 AM - Mid	1,470	1,030	2,500
Tuesday 1	765.56	32.52	12 AM - Mid	1,040	920	1,960
Wednesday 2	765.49	32.46	12 AM - Mid	1,070	988	2,058
Thursday 3	765.42	32.38	12 AM - Mid	1,050	898	1,948
Friday 4	765.62	32.60	12 AM - Mid	1,150	1,340	2,490
Saturday 5	765.61	32.59	12 AM - Mid	1,320	1,170	2,490
CHANGE IN STORAGE DURING THE WEEK		-0.06	* SACANDAGA RIVER AT STEWARTS BRIDGE INCLUDES 350 CFS MINIMUM CONTINUOUS RELEASE			

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	769.23	36.69	6	2020	766.97	34.11
2	2014	768.08	35.37	7	2018	766.91	34.04
3	2017	767.28	34.46	8	2016	766.30	33.36
4	2012	767.11	34.26	9	2021	765.61	32.59
5	2013	767.00	34.14	10	2015	764.58	31.45

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: June 12, 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 5	765.61	32.59	12 AM - Mid	1,320	1,170	2,490
Sunday 6	765.74	32.73	12 AM - Mid	1,190	1,170	2,360
Monday 7	765.69	32.68	12 AM - Mid	1,060	1,040	2,100
Tuesday 8	765.62	32.60	12 AM - Mid	1,160	890	2,050
Wednesday 9	765.69	32.68	12 AM - Mid	1,190	1,190	2,380
Thursday 10	765.65	32.63	12 AM - Mid	1,190	944	2,134
Friday 11	765.65	32.63	12 AM - Mid	1,210	973	2,183
Saturday 12	765.63	32.61	12 AM - Mid	1,150	888	2,038
CHANGE IN STORAGE DURING THE WEEK		0.02	* SACANDAGA RIVER AT STEWARTS BRIDGE INCLUDES 350 CFS MINIMUM CONTINUOUS RELEASE			

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	769.22	36.68	6	2020	766.68	33.78
2	2017	768.75	36.14	7	2018	766.67	33.77
3	2013	768.11	35.40	8	2016	766.43	33.50
4	2014	767.18	34.34	9	2021	765.63	32.61
5	2012	766.76	33.87	10	2015	765.35	32.30

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: June 19, 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 12	765.63	32.61	12 AM - Mid	1,150	888	2,038
Sunday 13	765.63	32.61	12 AM - Mid	1,150	977	2,127
Monday 14	765.60	32.58	12 AM - Mid	1,070	982	2,052
Tuesday 15	765.67	32.66	12 AM - Mid	1,050	1,270	2,320
Wednesday 16	765.68	32.67	12 AM - Mid	1,020	1,800	2,820
Thursday 17	765.76	32.76	12 AM - Mid	1,040	1,540	2,580
Friday 18	765.74	32.73	12 AM - Mid	1,080	1,390	2,470
Saturday 19	765.66	32.64	12 AM - Mid	1,100	1,190	2,290
CHANGE IN STORAGE DURING THE WEEK		0.03	* 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	2014	769.45	36.95	6	2015	766.45	33.52
2	2019	768.30	35.62	7	2018	766.22	33.27
3	2017	767.67	34.90	8	2016	766.12	33.16
4	2013	766.90	34.03	9	2020	766.07	33.10
5	2012	766.61	33.70	10	2021	765.66	32.64

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: June 26, 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 19	765.66	32.64	12 AM - Mid	1,100	1,190	2,290
Sunday 20	765.72	32.71	12 AM - Mid	1,100	1,150	2,250
Monday 21	765.56	32.52	12 AM - Mid	1,610	1,050	2,660
Tuesday 22	765.65	32.63	12 AM - Mid	1,590	1,200	2,790
Wednesday 23	765.50	32.47	12 AM - Mid	1,590	1,400	2,990
Thursday 24	765.38	32.33	12 AM - Mid	1,590	1,270	2,860
Friday 25	765.35	32.30	12 AM - Mid	1,590	1,210	2,800
Saturday 26	765.24	32.18	12 AM - Mid	1,600	1,020	2,620
CHANGE IN STORAGE DURING THE WEEK		-0.47	* SACANDAGA RIVER AT STEWARTS BRIDGE INCLUDES 350 CFS MINIMUM CONTINUOUS RELEASE			

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	769.39	36.88	6	2012	766.21	33.26
2	2014	768.15	35.45	7	2018	765.58	32.56
3	2015	766.81	33.93	8	2016	765.37	32.32
4	2017	766.70	33.80	9	2020	765.35	32.30
5	2013	766.69	33.79	10	2021	765.24	32.18

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: June 5, 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 29	1,650.01	3.52	12 AM - Mid	100	123	487
Sunday 30	1,650.01	3.52	12 AM - Mid	99	114	445
Monday 31	1,650.02	3.52	12 AM - Mid	98	113	341
Tuesday 1	1,650.01	3.52	12 AM - Mid	98	109	484
Wednesday 2	1,649.99	3.51	12 AM - Mid	97	100	334
Thursday 3	1,649.98	3.51	12 AM - Mid	96	96	478
Friday 4	1,650.07	3.53	12 AM - Mid	109	101	401
Saturday 5	1,650.10	3.53	12 AM - Mid	142	107	605
CHANGE IN STORAGE DURING THE WEEK		0.02	* INIDAN RIVER NEAR INDIAN LAKE			

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2015	1,650.88	3.69	6	2019	1,649.99	3.51
2	2013	1,650.56	3.63	7	2014	1,649.94	3.50
3	2012	1,650.30	3.57	8	2016	1,649.87	3.49
4	2017	1,650.17	3.55	9	2020	1,649.72	3.46
5	2021	1,650.10	3.53	10	2018	1,649.22	3.36

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: June 12, 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 5	1,650.10	3.53	12 AM - Mid	142	107	605
Sunday 6	1,650.10	3.53	12 AM - Mid	142	101	534
Monday 7	1,650.07	3.53	12 AM - Mid	142	94	365
Tuesday 8	1,650.03	3.52	12 AM - Mid	142	90	498
Wednesday 9	1,650.04	3.52	12 AM - Mid	142	84	337
Thursday 10	1,650.03	3.52	12 AM - Mid	142	75	514
Friday 11	1,649.96	3.51	12 AM - Mid	142	67	335
Saturday 12	1,649.98	3.51	12 AM - Mid	142	63	488
CHANGE IN STORAGE DURING THE WEEK		-0.02	* INIDAN RIVER NEAR INDIAN LAKE			

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2013	1,651.04	3.73	6	2014	1,649.79	3.47
2	2015	1,650.85	3.69	7	2016	1,649.77	3.47
3	2017	1,650.34	3.58	8	2020	1,649.66	3.45
4	2019	1,650.02	3.52	9	2012	1,649.39	3.39
5	2021	1,649.98	3.51	10	2018	1,649.10	3.34

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: June 19, 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 12	1,649.98	3.51	12 AM - Mid	142	63	488
Sunday 13	1,649.96	3.51	12 AM - Mid	143	58	412
Monday 14	1,649.95	3.50	12 AM - Mid	145	89	383
Tuesday 15	1,650.04	3.52	12 AM - Mid	144	188	1,000
Wednesday 16	1,650.09	3.53	12 AM - Mid	143	246	926
Thursday 17	1,650.10	3.53	12 AM - Mid	143	232	901
Friday 18	1,650.11	3.53	12 AM - Mid	143	192	615
Saturday 19	1,650.07	3.53	12 AM - Mid	144	163	694

CHANGE IN STORAGE DURING THE WEEK	0.02	* 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	2013	1,651.03	3.72	6	2019	1,649.36	3.39
2	2015	1,650.77	3.67	7	2012	1,649.27	3.37
3	2014	1,650.62	3.64	8	2017	1,649.17	3.35
4	2021	1,650.07	3.53	9	2018	1,648.93	3.31
5	2020	1,649.41	3.40	10	2016	1,648.81	3.28

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: June 26, 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 19	1,650.07	3.53	12 AM - Mid	144	163	694
Sunday 20	1,650.06	3.53	12 AM - Mid	144	143	562
Monday 21	1,650.03	3.52	12 AM - Mid	284	134	453
Tuesday 22	1,649.94	3.50	12 AM - Mid	350	179	793
Wednesday 23	1,649.92	3.50	12 AM - Mid	350	198	765
Thursday 24	1,649.82	3.48	12 AM - Mid	350	161	828
Friday 25	1,649.70	3.45	12 AM - Mid	350	129	629
Saturday 26	1,649.58	3.43	12 AM - Mid	350	109	686
CHANGE IN STORAGE DURING THE WEEK		-0.10	* 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	2015	1,651.07	3.73	6	2020	1,649.19	3.36
2	2013	1,650.19	3.55	7	2012	1,648.81	3.28
3	2014	1,650.04	3.52	8	2017	1,648.77	3.27
4	2021	1,649.58	3.43	9	2018	1,648.69	3.26
5	2019	1,649.44	3.40	10	2016	1,648.44	3.22

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: **June 5, 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 29	1,678.26	4.49	12 AM -Mid	300	307	1,650
Sunday 30	1,678.18	4.47	12 AM -Mid	300	303	1,650
Monday 31	1,678.11	4.45	12 AM -Mid	300	296	1,660
Tuesday 1	1,678.04	4.43	12 AM -Mid	300	308	1,550
Wednesday 2	1,677.96	4.41	12 AM -Mid	300	306	1,450
Thursday 3	1,677.89	4.39	12 AM -Mid	300	331	1,390
Friday 4	1,677.87	4.39	12 AM -Mid	300	329	1,420
Saturday 5	1,677.81	4.37	12 AM -Mid	300	305	1,990
CHANGE IN STORAGE DURING THE WEEK		-0.12				

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	1,679.48	4.83	6	2021	1,677.81	4.37
2	2017	1,678.77	4.63	7	2016	1,677.15	4.20
3	2013	1,678.66	4.60	8	2018	1,676.99	4.16
4	2014	1,678.58	4.58	9	2020	1,675.68	3.83
5	2012	1,677.98	4.42	10	2015	1,675.61	3.81

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

Datum: NAVD 88

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 CHIEF ENGINEER

STATE OF NEW YORK  
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
**STILLWATER RESERVOIR OPERATION**  
FOR WEEK ENDING: [June 12, 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 5	1,677.81	4.37	12 AM -Mid	300	305	1,990
Sunday 6	1,677.74	4.36	12 AM -Mid	300	292	2,190
Monday 7	1,677.67	4.34	12 AM -Mid	300	296	1,820
Tuesday 8	1,677.60	4.32	12 AM -Mid	300	320	1,530
Wednesday 9	1,677.57	4.31	12 AM -Mid	300	331	1,360
Thursday 10	1,677.51	4.30	12 AM -Mid	300	342	1,470
Friday 11	1,677.43	4.27	12 AM -Mid	300	331	1,640
Saturday 12	1,677.38	4.26	12 AM -Mid	300	275	1,580
CHANGE IN STORAGE DURING THE WEEK		-0.11				

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	1,679.59	4.86	6	2016	1,677.99	4.42
2	2013	1,679.46	4.82	7	2012	1,677.76	4.36
3	2017	1,679.40	4.81	8	2021	1,677.38	4.26
4	2014	1,678.26	4.49	9	2018	1,676.59	4.05
5	2015	1,678.11	4.45	10	2020	1,676.02	3.91

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: June 19, 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 12	1,677.38	4.26	12 AM -Mid	300	275	1,580
Sunday 13	1,677.31	4.24	12 AM -Mid	300	338	1,360
Monday 14	1,677.23	4.22	12 AM -Mid	300	400	1,420
Tuesday 15	1,677.24	4.22	12 AM -Mid	300	368	1,410
Wednesday 16	1,677.18	4.21	12 AM -Mid	300	384	1,840
Thursday 17	1,677.11	4.19	12 AM -Mid	300	372	2,410
Friday 18	1,677.02	4.16	12 AM -Mid	300	348	1,910
Saturday 19	1,676.94	4.15	12 AM -Mid	300	299	1,610

CHANGE IN STORAGE DURING THE WEEK

-0.12

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2014	1,679.21	4.75	6	2016	1,677.86	4.38
2	2015	1,679.05	4.71	7	2012	1,677.41	4.27
3	2017	1,678.92	4.67	8	2021	1,676.94	4.15
4	2019	1,678.77	4.63	9	2018	1,676.17	3.95
5	2013	1,678.69	4.61	10	2020	1,676.15	3.94

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: **June 26, 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 19	1,676.94	4.15	12 AM -Mid	300	299	1,610
Sunday 20	1,676.87	4.13	12 AM -Mid	300	291	1,370
Monday 21	1,676.79	4.10	12 AM -Mid	300	331	1,380
Tuesday 22	1,676.76	4.10	12 AM -Mid	300	521	1,490
Wednesday 23	1,676.70	4.08	12 AM -Mid	300	475	2,150
Thursday 24	1,676.62	4.06	12 AM -Mid	300	407	2,720
Friday 25	1,676.54	4.04	12 AM -Mid	300	284	2,020
Saturday 26	1,676.44	4.02	12 AM -Mid	300	279	1,570
CHANGE IN STORAGE DURING THE WEEK		-0.13				

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2017	1,680.19	5.03	6	2016	1,677.68	4.34
2	2015	1,679.85	4.93	7	2012	1,676.95	4.15
3	2014	1,678.94	4.68	8	2021	1,676.44	4.02
4	2019	1,678.08	4.44	9	2020	1,676.06	3.92
5	2013	1,677.88	4.39	10	2018	1,675.61	3.81

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

Datum: NAVD 88

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CHIEF ENGINEER

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

FOR WEEK ENDING: **June 5, 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 29	1,706.88	0.909	8	1,785.92	0.299	10
Sunday 30	1,706.88	0.909	8	1,785.91	0.299	10
Monday 31	1,706.89	0.910	8	1,785.90	0.299	10
Tuesday 1	1,706.89	0.910	8	1,785.90	0.299	10
Wednesday 2	1,706.89	0.910	8	1,785.89	0.299	10
Thursday 3	1,706.91	0.913	8	1,785.90	0.299	10
Friday 4	1,706.97	0.922	13	1,785.94	0.300	7
Saturday 5	1,707.00	0.926	16	1,785.95	0.300	5
CHANGE IN STORAGE		0.017			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	2021	1,785.95	0.300
2	2019	1,706.93	0.915	2	2017	1,785.93	0.300
3	2017	1,706.93	0.915	3	2019	1,785.87	0.298
4	2020	1,706.85	0.905	4	2018	1,785.82	0.296
5	2018	1,706.47	0.854	5	2020	1,784.56	0.256

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: **June 12, 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 5	1,707.00	0.926	16	1,785.95	0.300	5
Sunday 6	1,707.01	0.927	16	1,785.96	0.301	5
Monday 7	1,707.00	0.926	16	1,785.96	0.301	5
Tuesday 8	1,707.00	0.926	16	1,785.97	0.301	5
Wednesday 9	1,707.15	0.947	194	1,786.04	0.303	37
Thursday 10	1,707.00	0.926	123	1,785.99	0.302	22
Friday 11	1,707.02	0.927	16	1,785.96	0.301	5
Saturday 12	1,707.02	0.927	16	1,785.97	0.301	5
CHANGE IN STORAGE		0.001			0.001	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2021	1,707.02	0.927	1	2017	1,786.01	0.302
2	2019	1,706.92	0.913	2	2019	1,785.99	0.302
3	2017	1,706.91	0.912	3	2021	1,785.97	0.301
4	2020	1,706.89	0.910	4	2018	1,785.89	0.299
5	2018	1,706.56	0.865	5	2020	1,784.69	0.260

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: **June 19, 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 12	1,707.02	0.927	16	1,785.97	0.301	5
Sunday 13	1,707.02	0.927	16	1,785.99	0.302	5
Monday 14	1,707.01	0.927	111	1,786.01	0.302	37
Tuesday 15	1,707.07	0.934	300	1,786.08	0.305	64
Wednesday 16	1,706.92	0.915	117	1,786.02	0.303	10
Thursday 17	1,706.87	0.907	16	1,786.02	0.303	10
Friday 18	1,706.87	0.907	16	1,786.01	0.302	10
Saturday 19	1,706.84	0.903	16	1,785.99	0.302	10
CHANGE IN STORAGE		-0.025			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	2017	1,707.03	0.929	1	2018	1,786.02	0.303
2	2019	1,706.94	0.916	2	2021	1,785.99	0.302
3	2021	1,706.84	0.903	3	2017	1,785.98	0.301
4	2020	1,706.71	0.886	4	2019	1,785.90	0.299
5	2018	1,706.70	0.885	5	2020	1,784.73	0.262

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: **June 26, 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 19	1,706.84	0.903	16	1,785.99	0.302	10
Sunday 20	1,706.88	0.909	16	1,786.02	0.303	10
Monday 21	1,706.91	0.913	16	1,786.03	0.303	10
Tuesday 22	1,706.95	0.919	16	1,786.09	0.305	10
Wednesday 23	1,706.97	0.922	16	1,786.12	0.306	10
Thursday 24	1,706.97	0.922	16	1,786.11	0.306	10
Friday 25	1,706.97	0.922	34	1,786.11	0.306	17
Saturday 26	1,706.94	0.917	69	1,786.07	0.304	30
CHANGE IN STORAGE		0.015			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	1,706.94	0.917	1	2021	1,786.07	0.304
2	2019	1,706.93	0.915	2	2017	1,786.02	0.303
3	2017	1,706.84	0.903	3	2018	1,785.99	0.302
4	2018	1,706.78	0.895	4	2019	1,785.98	0.301
5	2020	1,706.73	0.889	5	2020	1,784.71	0.261

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