

**REPORT OF CHIEF ENGINEER**  
**HUDSON RIVER - BLACK RIVER REGULATING DISTRICT**  
**BOARD MEETING**  
**MAY 11, 2021 – MAYFIELD, NEW YORK**

**HUDSON RIVER AREA - APRIL SUMMARY**

**Reservoir Operation**

Great Sacandaga Lake

The April average daily release from the Sacandaga Reservoir (Great Sacandaga Lake) was approximately 490 cubic feet per second (cfs). The Upper Hudson / Sacandaga River Offer of Settlement target elevation for April 30 is 763.62 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
Mar. 31	756.47	+5.77	+7.35	0	414
Apr. 30	762.6 (e)	-2.4 (e)	-1.1 (e)	0	380 (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 April average daily release from Indian Lake was approximately 83 cfs.

Table 2.0 - *Indian Lake Reservoir Elevation and Release*

Date	Daily Average Elevation (1) (ft, NGVD)	Deviation (ft)		Release (cfs)
		From Average	From Target	
Mar. 31	1,643.68	+2.04	+6.60	143
Apr. 30	1,648.6 (e)	-1.4 (e)	-2.0 (e)	60 (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 - APRIL SUMMARY- continued**

**River Flow**

Hudson River flow, downstream of the confluence with the Sacandaga River, was approximately 4,240 cfs on April 25 and approximately 7,000 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	1,780 (e)	3,560
<b>Sacandaga</b> at Stewarts Bridge	490 (e)	1,210
<b>Indian</b> at Indian Lake Dam	83 (e)	218
<b>Hudson</b> at Hadley (1)	4,820 (e)	8,380

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

**Precipitation**

Monthly total precipitation measured 100%, 53%, and 61% historic average at Indian Lake, Mayfield, and Conklingville, respectively, as of April 25

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

<b>Station</b>	<b>Monthly Total (inch)</b>	<b>Historic Average (inch)</b>
<b>Indian Lake</b>	3.49	3.50
<b>Mayfield</b>	1.97	3.74
<b>Conklingville</b>	2.26	3.71

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

### **Operation Overview**

Precipitation during the month of April was below normal across the Great Sacandaga Lake watershed and average the Indian Lake watershed. The monthly inflow to Great Sacandaga Lake and Indian Lake reservoir was approximately 43% and 46% of historic average, respectively. Monthly release of water from Great Sacandaga Lake and Indian Lake measured 41% and 23% of historic average, respectively.

### **Great Sacandaga Lake Operation**

Great Sacandaga Lake operation summary report for the period April 1, 2020 through April 25, 2021 is attached. This report includes projected and forecast values for dates after April 25, 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 – APRIL SUMMARY

### Reservoir Operations

#### Stillwater Reservoir

The April average daily release from Stillwater Reservoir was approximately 60 cfs. The maximum discharge for the month was 100 cfs.

Table 1.0 - *Stillwater Reservoir Elevation and Release*

Date	Daily Average Elevation (ft, NGVD)	Deviation from Average Elevation (ft) (1)	Release (cfs)
Mar. 31	1,669.58	+1.40	50
Apr. 30	1,674.8 (e)	-2.4 (e)	50 (e)

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

#### Sixth Lake Reservoir

The April average daily release from Sixth Lake Reservoir was approximately 11 cfs.

Table 2.0 - *Sixth Lake Reservoir Elevation and Release*

Date	Elevation (1) (ft, NGVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
Mar. 31	1,782.25	+0.18	88
Apr. 30	1,784.1 (e)	-0.7 (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 April average daily release from Old Forge Reservoir was approximately 14 cfs.

Table 3.0 - *Old Forge Reservoir Elevation and Release*

Date	Elevation (1) (ft, NGVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
Mar. 31	1,704.48	+0.51	96
Apr. 30	1,705.8 (e)	+0.1 (e)	4 (e)

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

## BLACK RIVER AREA - APRIL SUMMARY - continued

### River Flow

The average daily Black River flow, as measured at the Watertown gauge, was approximately 3,090 cfs on April 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	1,316 (e)	2,185
<b>Beaver</b> at Croghan	330 (e)	831
<b>Black</b> at Watertown	4,840 (e)	9,950

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 53%, 43%, 50% of historic average at Stillwater, Old Forge, and Sixth Lake, respectively, as of April 20.

Table 5.0 - *Black River Basin Precipitation - as of April 20*

<b>Station</b>	<b>Monthly Total (inch)</b>	<b>Historic Average (inch)</b>
<b>Stillwater</b>	1.94	3.68
<b>Old Forge</b>	1.70	3.93
<b>Sixth Lake</b>	1.80	3.57

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

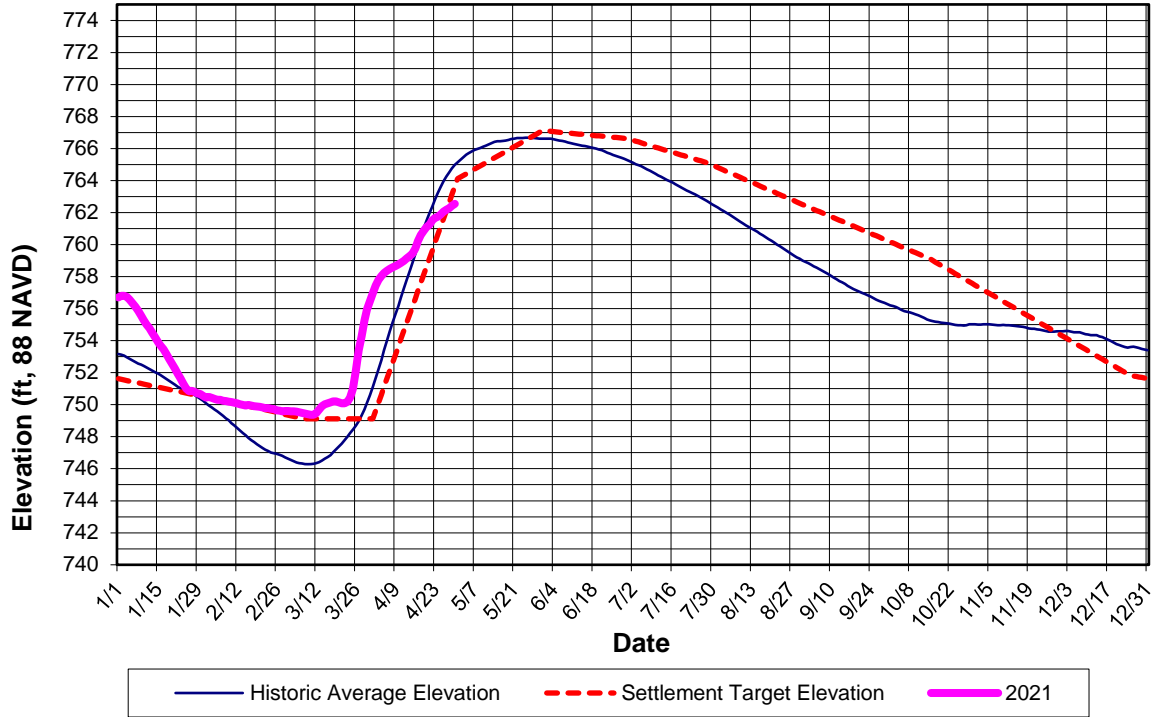
### **Operation Overview**

Precipitation in the month of April was below average at Stillwater, and below average Old Forge and Sixth Lake. The monthly inflow to Stillwater Reservoir was approximately 51% of historic average. The inflow to Sixth Lake and Old Forge Reservoir totaled 0.09 and 0.21 billion cubic feet, respectively, in April. Release of water from Stillwater Reservoir averaged 18% of historic discharge.

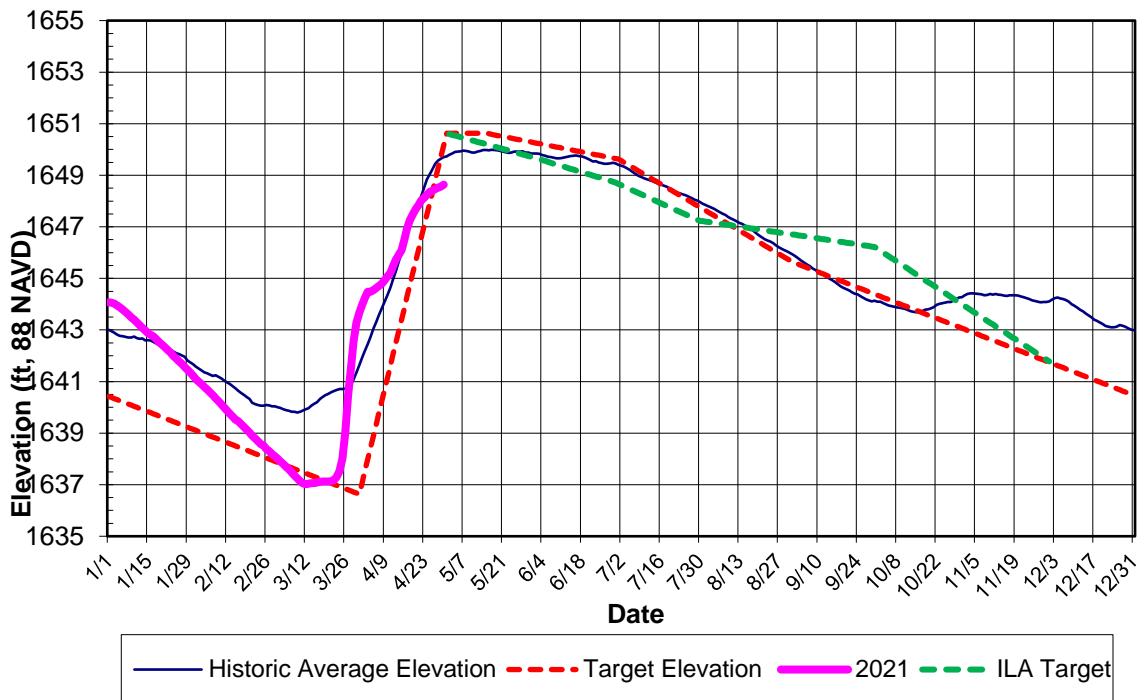
### **Black River Area Staff Activities**

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

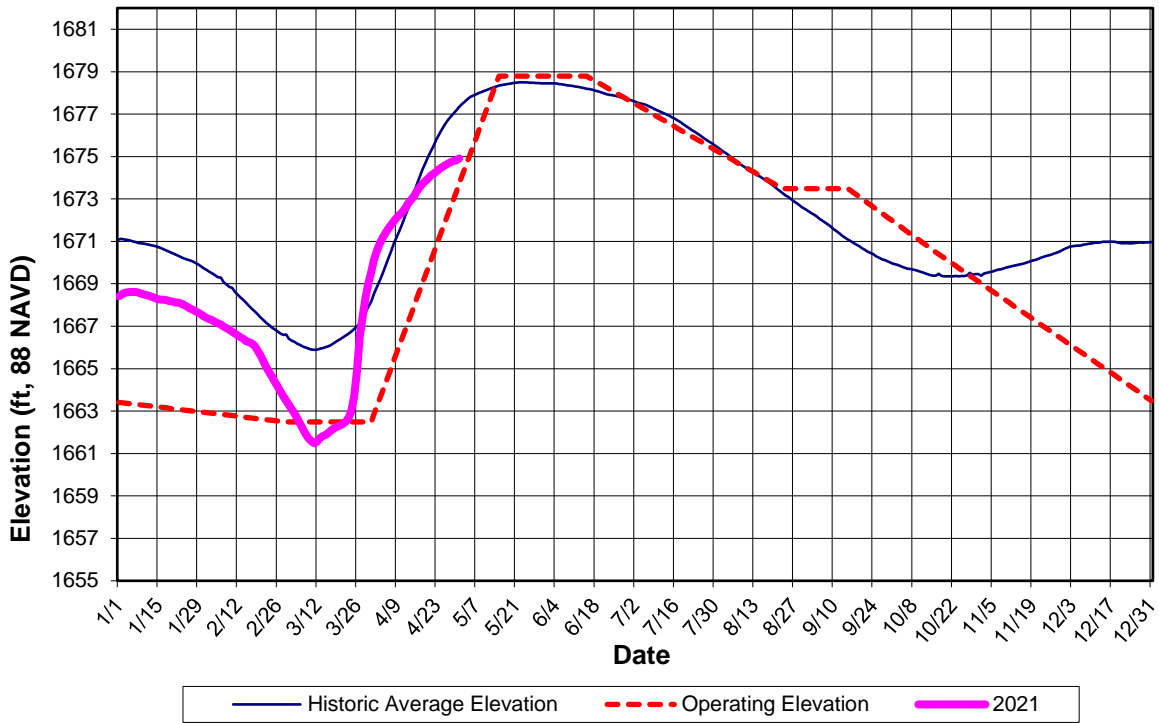
### Great Sacandaga Lake 2021 Reservoir Elevation



### Indian Lake 2021 Reservoir Elevation

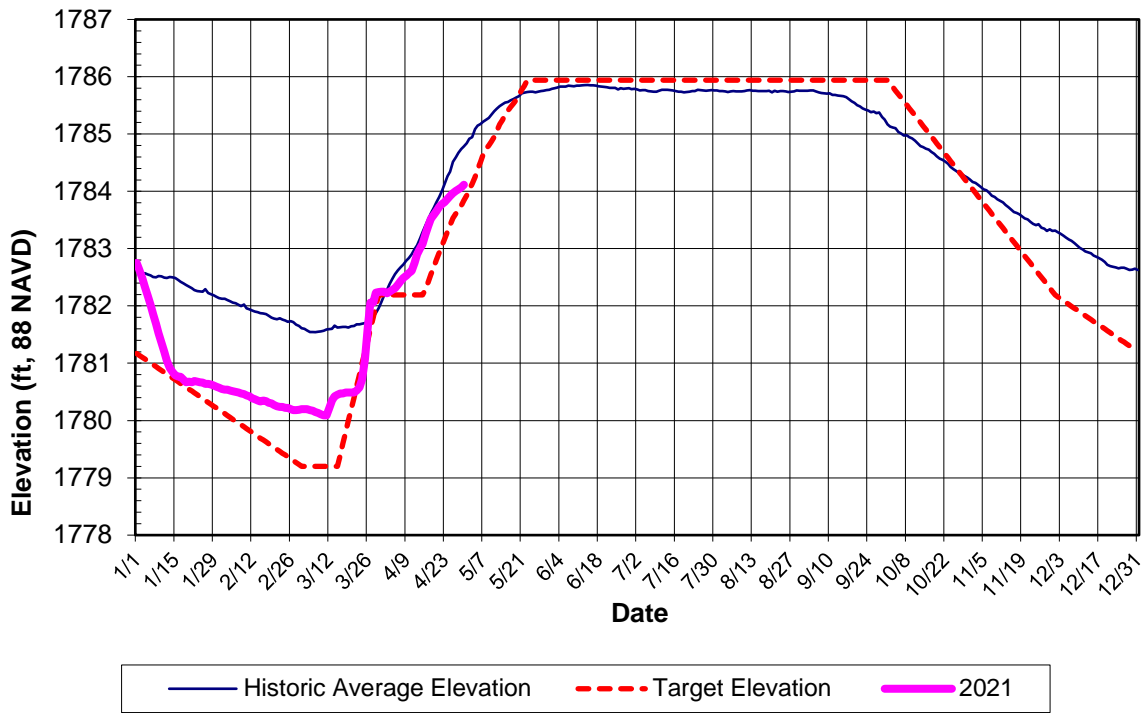


### Stillwater Reservoir 2021 Reservoir Elevation

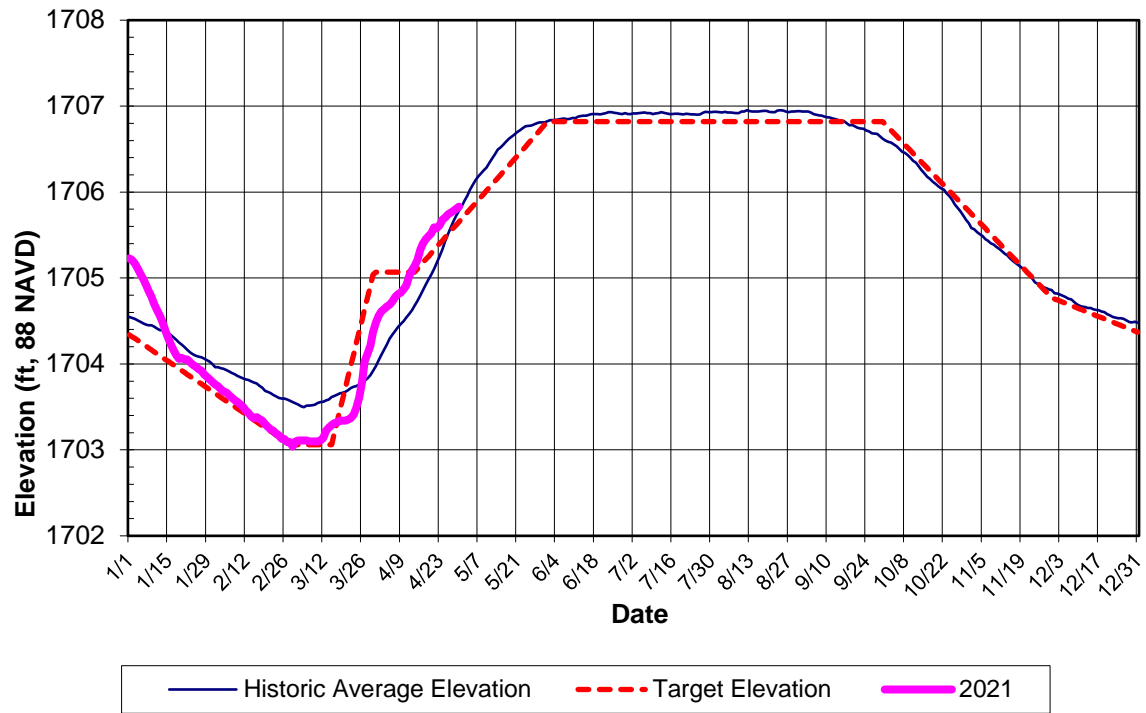




### Sixth Lake 2021 Reservoir Elevation



### Old Forge 2021 Reservoir Elevation



**SACANDAGA RESERVOIR ELEVATION CALCULATOR**

Datum:

**1988 NAVD**

**Settlement Parameters**

Date	4/26/2021	
Target Elevation	761.62	
Actual "Level"	3.18	
"Level 2.5 threshold"		
"Level 1.2 threshold"	753.59	
<b>Hudson River Target</b>	<b>Elevation</b>	<b>Level</b>
Maximum Flow (cfs)	8000	7860
Minimum Flow (cfs)	n/a	2360
Min. Rec/Rafting Hours (hrs)	#VALUE!	

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	4/26/2021
Day of Year	5230
Starting Elevation (ft)	761.98
Average Elevation	762.05
Flow Below Hadley (cfs)	3950
Today's Release	350
Tomorrow's Release	350

**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	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.
			E.J. West Valves	Spillway	Average Release	Maximum (Table F - Elev.)				Minimum (Table C - Level)	Maximum (Table D - Elev.)	Maximum (Table E - Level)					
4/1/2021	756.72	6600	417	0	417	4000	3.34	8270	8687	2680	8000	8180	757.25	4/2/2021	756.99	749.12	751.21
4/2/2021	757.25	4700	415	0	415	4000	3.33	7500	7915	2660	8000	8160	757.61	4/3/2021	757.43	749.62	751.77
4/3/2021	757.61	4100	413	0	413	4000	3.33	6470	6883	2640	8000	8140	757.92	4/4/2021	757.77	750.12	752.33
4/4/2021	757.92	3300	412	0	412	4000	3.32	5660	6072	2620	8000	8120	758.16	4/5/2021	758.04	750.62	752.89
4/5/2021	758.16	3100	1160	0	1160	4000	3.31	5060	6220	2620	8000	8120	758.32	4/6/2021	758.24	751.12	753.50
4/6/2021	758.32	2000	1040	0	1040	4000	3.31	4510	5550	2600	8000	8100	758.40	4/7/2021	758.36	751.62	754.09
4/7/2021	758.40	2100	839	0	839	4000	3.30	4150	4989	2580	8000	8080	758.50	4/8/2021	758.45	752.12	754.69
4/8/2021	758.50	2300	983	0	983	4000	3.29	3870	4853	2580	8000	8080	758.61	4/9/2021	758.56	752.62	755.24
4/9/2021	758.61	2200	1090	0	1090	4000	3.28	3560	4650	2560	8000	8060	758.70	4/10/2021	758.66	753.12	755.75
4/10/2021	758.70	1800	383	0	383	4000	3.28	3410	3793	2540	8000	8040	758.81	4/11/2021	758.76	753.62	756.26
4/11/2021	758.81	1900	384	0	384	4000	3.27	3510	3894	2540	8000	8040	758.93	4/12/2021	758.87	754.12	756.80
4/12/2021	758.93	2000	385	0	385	4000	3.25	3780	4165	2480	8000	7980	759.06	4/13/2021	759.00	754.62	757.34
4/13/2021	759.06	2400	385	0	385	4000	3.23	4490	4875	2440	8000	7940	759.22	4/14/2021	759.14	755.12	757.87
4/14/2021	759.22	1800	384	0	384	4000	3.21	3950	4334	2400	8000	7900	759.33	4/15/2021	759.28	755.62	758.40
4/15/2021	759.33	3700	386	0	386	4000	3.18	3200	3586	2360	8000	7860	759.60	4/16/2021	759.47	756.12	758.94
4/16/2021	759.60	5400	386	0	386	4000	3.18	6050	6436	2360	8000	7860	760.01	4/17/2021	759.81	756.62	759.49
4/17/2021	760.01	5500	385	0	385	4000	3.18	7560	7945	2360	8000	7860	760.43	4/18/2021	760.22	757.12	760.07
4/18/2021	760.43	3800	382	0	382	4000	3.18	6810	7192	2360	8000	7860	760.71	4/19/2021	760.57	757.62	760.61
4/19/2021	760.71	3700	380	0	380	4000	3.18	5970	6350	2360	8000	7860	760.98	4/20/2021	760.85	758.12	761.08
4/20/2021	760.98	2800	379	0	379	4000	3.18	5360	5739	2360	8000	7860	761.17	4/21/2021	761.08	758.62	761.56
4/21/2021	761.17	3500	381	0	381	4000	3.11	4950	5331	2200	8000	7700	761.42	4/22/2021	761.30	759.12	762.00
4/22/2021	761.42	2300	381	0	381	4000	3.04	4640	5021	2060	8000	7560	761.57	4/23/2021	761.50	759.62	762.42
4/23/2021	761.57	1400	380	0	380	4000	2.97	4150	4530	1981	8000	7500	761.65	4/24/2021	761.61	760.12	762.85
4/24/2021	761.65	2200	380	0	380	4000	2.90	3880	4260	1947	8000	7500	761.79	4/25/2021	761.72	760.62	763.25
4/25/2021	761.79	2800	380	0	380	4000	2.83	3860	4240	1914	8000	7500	761.98	4/26/2021	761.89	761.12	763.63
4/26/2021	761.98	2200	350	0	350	4000	2.76	3600	3950	1880	8000	7500	762.12	4/27/2021	762.05	761.62	763.98
4/27/2021	762.12	1800	350	0	350	4000	2.68	3400	3750	1846	8000	7500	762.23	4/28/2021	762.18	762.12	764.28
4/28/2021	762.23	1800	350	0	350	4000	2.61	3600	3950	1813	8000	7500	762.34	4/29/2021	762.29	762.62	764.54
4/29/2021	762.34	2200	350	0	350	4000	2.54	3800	4150	1779	8000	7500	762.48	4/30/2021	762.41	763.12	764.78
4/30/2021	762.48	2000	350	0	350	4000	2.47	4000	4350	1760	8000	7470	762.61	5/1/2021	762.55	763.62	764.99
5/1/2021	762.61	1800	350	0	350	4000	2.40	4000	4350	1760	8000	7400	762.72	5/2/2021	762.67	764.12	765.15
5/2/2021	762.72	1600	350	0	350	4000	2.33	3800	4150	1760	8000	7330	761.41	4/19/2021		758.12	765.32
6/6/2020	767.29	800	800	0	800	5487	3.00	500	1300	2000	8000	7500	767.29	3/15/2019	#N/A	#N/A	

500

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

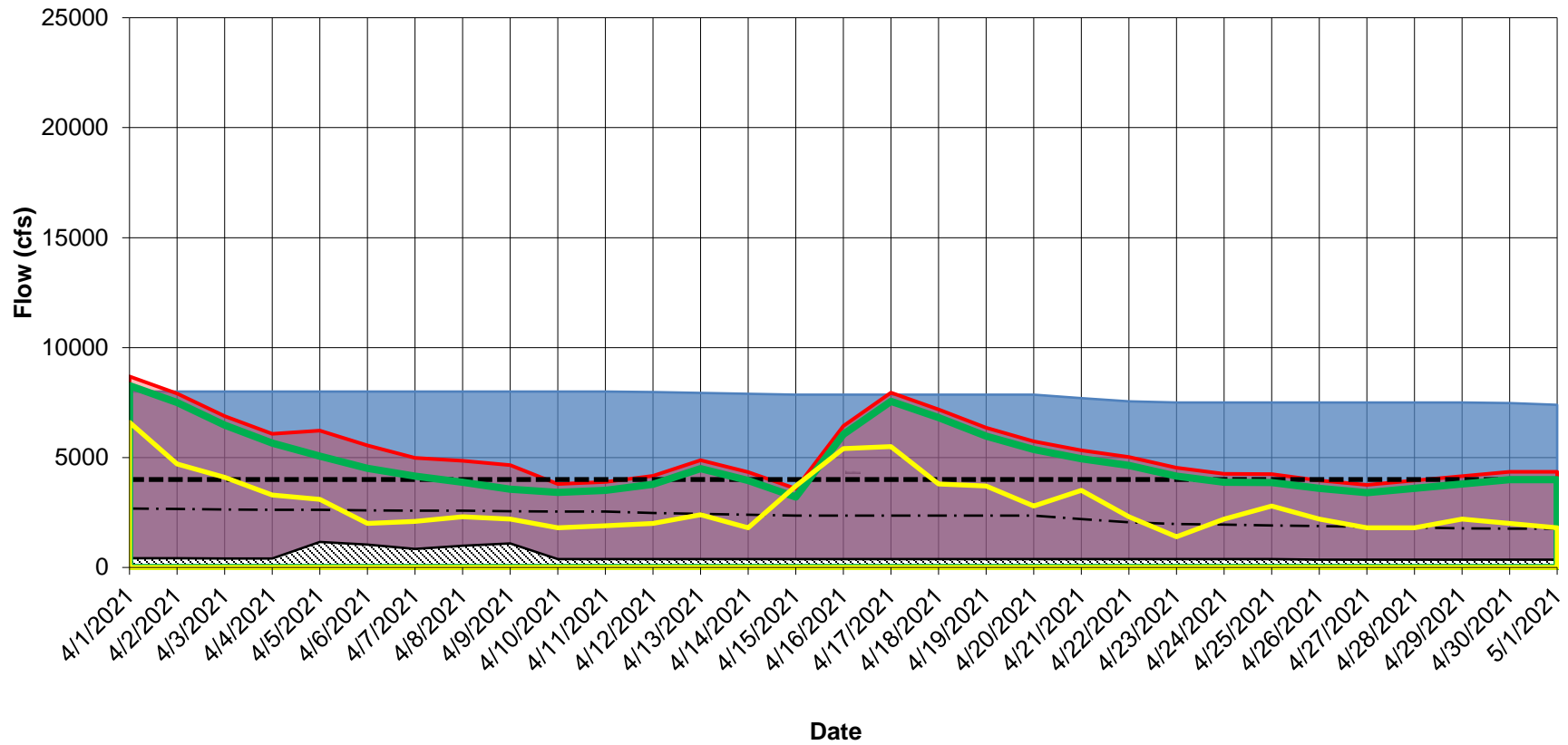
Date: \_\_\_\_\_

**GREAT SACANDAGA LAKE  
RESERVOIR OPERATION SUMMARY**

Print Date: 4/26/2021  
Period of Record: 4/1/2021 to 4/29/2021

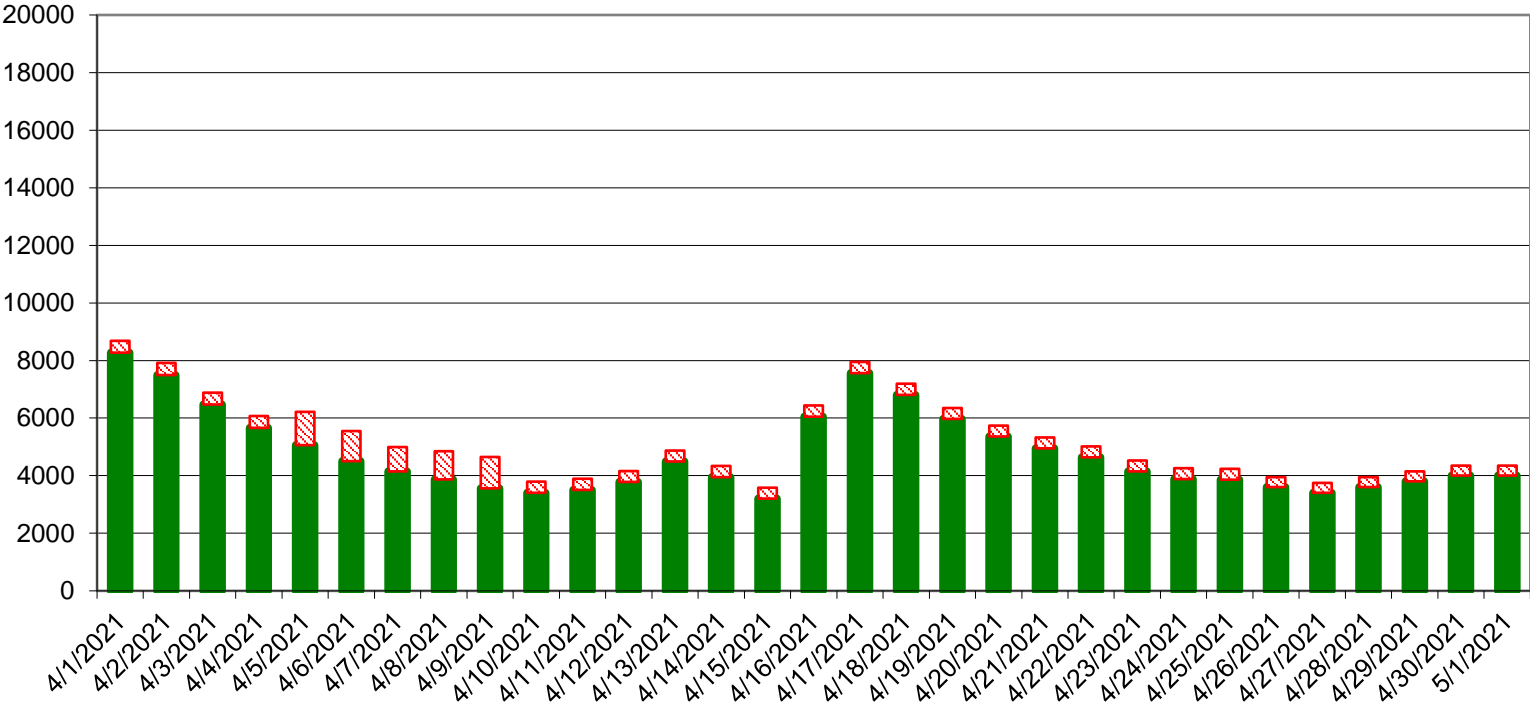
Starting Date 12:00 AM	Daily Avg. Elevation	Net Average Inflow	Sacandaga River Flow Average Release (Table F - Elev.)		Settlement Level	Hudson at Hadley	Hudson River Below Confluence	Hudson River Target Flow Minimum (Table B - Level)      Maximum (Table D & E)		Maximum Allowable Sacandaga
4/1/2021	756.99	6600	417	4000	3.34	8270	8687	2680	8000	4000
4/2/2021	757.43	4700	415	4000	3.33	7500	7915	2660	8000	4000
4/3/2021	757.77	4100	413	4000	3.33	6470	6883	2640	8000	4000
4/4/2021	758.04	3300	412	4000	3.32	5660	6072	2620	8000	4000
4/5/2021	758.24	3100	1160	4000	3.31	5060	6220	2620	8000	4000
4/6/2021	758.36	2000	1040	4000	3.31	4510	5550	2600	8000	4000
4/7/2021	758.45	2100	839	4000	3.30	4150	4989	2580	8000	4000
4/8/2021	758.56	2300	983	4000	3.29	3870	4853	2580	8000	4000
4/9/2021	758.66	2200	1090	4000	3.28	3560	4650	2560	8000	4000
4/10/2021	758.76	1800	383	4000	3.28	3410	3793	2540	8000	4000
4/11/2021	758.87	1900	384	4000	3.27	3510	3894	2540	8000	4000
4/12/2021	759.00	2000	385	4000	3.25	3780	4165	2480	7980	4000
4/13/2021	759.14	2400	385	4000	3.23	4490	4875	2440	7940	4000
4/14/2021	759.28	1800	384	4000	3.21	3950	4334	2400	7900	4000
4/15/2021	759.47	3700	386	4000	3.18	3200	3586	2360	7860	4000
4/16/2021	759.81	5400	386	4000	3.18	6050	6436	2360	7860	4000
4/17/2021	760.22	5500	385	4000	3.18	7560	7945	2360	7860	4000
4/18/2021	760.57	3800	382	4000	3.18	6810	7192	2360	7860	4000
4/19/2021	760.85	3700	380	4000	3.18	5970	6350	2360	7860	4000
4/20/2021	761.08	2800	379	4000	3.18	5360	5739	2360	7860	4000
4/21/2021	761.30	3500	381	4000	3.11	4950	5331	2200	7700	4000
4/22/2021	761.50	2300	381	4000	3.04	4640	5021	2060	7560	4000
4/23/2021	761.61	1400	380	4000	2.97	4150	4530	1981	7500	4000
4/24/2021	761.72	2200	380	4000	2.90	3880	4260	1947	7500	4000
4/25/2021	761.89	2800	380	4000	2.83	3860	4240	1914	7500	4000
4/26/2021	762.05	2200	350	4000	2.76	3600	3950	1880	7500	4000
4/27/2021	762.18	1800	350	4000	2.68	3400	3750	1846	7500	4000
4/28/2021	762.29	1800	350	4000	2.61	3600	3950	1813	7500	4000
4/29/2021	762.41	2200	350	4000	2.54	3800	4150	1779	7500	4000
4/30/2021	762.55	2000	350	4000	2.47	4000	4350	1760	7470	4000
5/1/2021	762.67	1800	350	4000	2.40	4000	4350	1760	7400	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: March 2021

Day	Sacandaga Reservoir Elevation Average Daily	Sacandaga Reservoir Elevation Midnight	Sacandaga River Near Hope cfs	Reservoir Inflow Hope x 2.2688 cfs	Sacandaga River at Stewarts Bridge cfs	Hudson River at Hadley cfs	Regulated Hudson River below confluence cfs
1	749.61	749.57	1900	4311	974	1210	2184
2	749.60	749.67	1879	4263	967	1280	2247
3	749.58	749.58	1858	4216	966	1150	2116
4	749.58	749.57	1837	4168	966	1210	2176
5	749.57	749.57	1816	4121	970	1300	2270
6	749.53	749.56	1795	4074	950	1140	2090
7	749.49	749.54	1775	4026	970	1070	2040
8	749.45	749.47	1754	3979	974	1140	2114
9	749.41	749.44	1733	3931	953	1080	2033
10	749.37	749.39	1712	3884	959	1150	2109
11	749.37	749.37	1691	3836	968	1220	2188
12	749.46	749.40	1670	3789	972	1670	2642
13	749.68	749.57	2120	4810	963	2500	3463
14	749.90	749.81	1600	3630	974	2590	3564
15	750.02	749.94	1130	2564	964	2320	3284
16	750.08	750.05	1000	2269	973	2070	3043
17	750.14	750.11	886	2010	961	2040	3001
18	750.20	750.13	790	1792	970	2000	2970
19	750.20	750.23	745	1690	2220	1930	4150
20	750.15	750.18	734	1665	2220	1840	4060
21	750.08	750.09	824	1869	2210	1910	4120
22	750.08	750.07	1200	2723	2200	2180	4380
23	750.18	750.09	1950	4424	2210	2660	4870
24	750.44	750.25	2760	6262	1920	3440	5360
25	751.01	750.63	5510	12501	1100	4760	5860
26	752.12	751.39	9070	20578	421	8410	8831
27	753.41	752.77	8170	18536	417	13100	13517
28	754.27	753.86	6490	14725	417	11900	12317
29	755.27	754.86	7470	16948	417	12000	12417
30	755.96	755.70	4940	11208	413	10700	11113
31	756.47	756.24	3970	9007	414	8950	9364

AVERAGE 2670 6060 1100 3610 4710

CHANGE IN STORAGE DURING THE MONTH 6.82 B.C.F.

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

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

Monthly Report for: March, 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	1638.10	1638.16	83	274	88	601
2	1638.01	1638.06	135	274	88	601
3	1637.91	1637.97	48	274	88	602
4	1637.80	1637.85	132	271	87	602
5	1637.70	1637.76	132	271	87	603
6	1637.59	1637.68	11	271	86	603
7	1637.47	1637.53	60	268	86	604
8	1637.36	1637.41	129	268	85	604
9	1637.25	1637.33	23	266	85	605
10	1637.14	1637.19	74	265	85	605
11	1637.05	1637.08	281	264	90	606
12	1637.02	1637.10	92	266	115	835
13	1637.03	1636.99	334	265	151	1150
14	1637.06	1637.03	350	263	199	1220
15	1637.06	1637.08	186	169	209	1120
16	1637.09	1637.09	122	122	202	1060
17	1637.11	1637.10	191	122	192	950
18	1637.12	1637.13	53	122	184	837
19	1637.12	1637.09	190	121	175	824
20	1637.12	1637.13	70	122	171	767
21	1637.13	1637.11	226	122	173	816
22	1637.18	1637.16	244	122	190	930
23	1637.30	1637.23	437	124	238	1230
24	1637.53	1637.41	628	125	347	1780
25	1638.01	1637.70	-426	130	609	3200
26	1639.02	1637.38	4373	137	1550	7360
27	1640.49	1639.82	2245	135	3000	10900
28	1641.43	1641.01	1883	142	2830	8510
29	1642.57	1641.95	2123	142	2570	8610
30	1643.29	1643.02	1012	142	2320	6950
31	1643.68	1643.49	816	143	1700	5310

AVERAGE 524 194 583 2290

CHANGE IN STORAGE DURING THE MONTH 0.886 B.C.F

North Creek gauge affected by ice

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 CHIEF ENGINEER

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

Monthly Report for: March 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	1663.49	1663.56	136	500	281	636	2690
2	1663.31	1663.37	194	500	293	745	3020
3	1663.10	1663.21	79	500	278	668	3290
4	1662.88	1662.99	60	500	228	658	3100
5	1662.64	1662.76	41	500	144	651	2990
6	1662.39	1662.52	3	500	161	649	2840
7	1662.13	1662.26	3	500	156	647	2640
8	1661.88	1662.00	-19	383	146	603	2530
9	1661.71	1661.79	13	300	165	468	1930
10	1661.57	1661.64	51	300	209	498	2000
11	1661.48	1661.51	300	300	314	503	2500
12	1661.57	1661.51	606	300	668	820	5360
13	1661.74	1661.67	549	300	1120	814	7380
14	1661.83	1661.80	415	300	1290	875	7600
15	1661.88	1661.86	366	213	919	595	6880
16	1661.99	1661.94	360	150	737	429	5600
17	1662.10	1662.05	341	150	546	306	4450
18	1662.19	1662.15	303	150	433	303	3790
19	1662.26	1662.23	284	150	420	311	3270
20	1662.33	1662.30	284	150	404	364	3070
21	1662.40	1662.37	303	150	448	334	3150
22	1662.51	1662.45	399	150	550	329	3710
23	1662.68	1662.58	590	150	801	418	4660
24	1662.99	1662.81	933	92	1090	475	5920
25	1663.67	1663.25	1848	50	1970	928	8440
26	1664.89	1664.19	3188	50	3800	1620	11000
27	1666.55	1665.83	2441	50	5850	2210	15800
28	1667.47	1667.08	1638	50	4070	1580	22300
29	1668.37	1667.91	1676	50	4580	1090	23800
30	1669.05	1668.76	1121	50	3350	968	21500
31	1669.58	1669.32	1045	50	1940	449	18500

AVERAGE	631	243	1210	710	6960
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CHANGE IN STORAGE DURING THE MONTH 1.04 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: March, 2021

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1780.19	1780.16	35	0.25	0.25	18
2	1780.20	1780.21	15	0.25	0.25	18
3	1780.20	1780.20	18	0.25	0.25	18
4	1780.20	1780.20	15	0.25	0.25	18
5	1780.18	1780.19	11	0.25	0.25	18
6	1780.17	1780.17	15	0.25	0.25	18
7	1780.15	1780.16	11	0.25	0.25	18
8	1780.13	1780.14	11	0.25	0.25	18
9	1780.11	1780.12	8	0.25	0.25	18
10	1780.09	1780.09	15	0.25	0.25	18
11	1780.09	1780.08	35	0.25	0.25	18
12	1780.21	1780.13	77	0.25	0.25	18
13	1780.35	1780.30	49	0.25	0.25	18
14	1780.42	1780.39	35	0.25	0.25	18
15	1780.45	1780.44	26	0.25	0.25	19
16	1780.47	1780.46	22	0.25	0.25	19
17	1780.47	1780.47	22	0.25	0.25	19
18	1780.49	1780.48	22	0.25	0.25	19
19	1780.49	1780.49	19	0.25	0.25	19
20	1780.49	1780.49	19	0.25	0.25	19
21	1780.49	1780.49	22	0.25	0.25	19
22	1780.52	1780.50	33	0.25	0.25	19
23	1780.58	1780.54	50	0.25	0.25	19
24	1780.72	1780.63	92	0.25	0.25	19
25	1781.07	1780.84	197	0.25	0.25	20
26	1781.64	1781.35	336	3.00	3.00	107
27	1782.06	1782.00	203	3.00	3.00	179
28	1782.06	1782.07	201	3.00	3.00	180
29	1782.23	1782.13	219	3.00	3.00	181
30	1782.24	1782.24	134	1.17	1.17	126
31	1782.25	1782.26	84	1.17	1.17	88

AVERAGE 66 43

CHANGE IN STORAGE DURING THE MONTH 0.063 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: March, 2021

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1703.04	1703.07	76	0.83	0.83	46
2	1703.10	1703.09	44	0.83	0.83	29
3	1703.11	1703.10	43	0.83	0.83	29
4	1703.11	1703.11	29	0.83	0.83	29
5	1703.11	1703.11	29	0.83	0.83	29
6	1703.11	1703.11	29	0.83	0.83	29
7	1703.10	1703.11	15	0.83	0.83	29
8	1703.10	1703.10	29	0.83	0.83	29
9	1703.10	1703.10	43	0.83	0.83	29
10	1703.10	1703.11	15	0.83	0.83	29
11	1703.11	1703.10	87	0.83	0.83	29
12	1703.14	1703.13	101	0.83	0.83	29
13	1703.22	1703.18	123	0.83	0.83	30
14	1703.26	1703.24	77	0.83	0.83	30
15	1703.29	1703.28	60	0.83	0.83	30
16	1703.31	1703.30	59	0.83	0.83	30
17	1703.32	1703.32	44	0.83	0.83	30
18	1703.34	1703.33	44	0.83	0.83	30
19	1703.34	1703.34	30	0.83	0.83	30
20	1703.34	1703.34	44	0.83	0.83	30
21	1703.35	1703.35	59	0.83	0.83	30
22	1703.37	1703.37	74	0.83	0.83	31
23	1703.41	1703.39	132	0.83	0.83	31
24	1703.49	1703.46	132	0.83	0.83	31
25	1703.61	1703.54	321	0.83	0.83	32
26	1703.79	1703.73	603	4.00	4.00	155
27	1704.03	1704.05	482	4.00	4.00	239
28	1704.12	1704.20	258	4.00	4.00	244
29	1704.21	1704.21	467	4.00	4.00	246
30	1704.37	1704.37	308	1.00	1.00	158
31	1704.48	1704.46	186	1.00	1.00	96

AVERAGE 131 61

CHANGE IN STORAGE DURING THE MONTH 0.186 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: April 3, 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 27	752.77	19.32	12 AM - Mid	417	13,100	13,517
Sunday 28	753.86	20.36	12 AM - Mid	417	11,900	12,317
Monday 29	754.86	21.33	12 AM - Mid	417	12,000	12,417
Tuesday 30	755.70	22.16	12 AM - Mid	413	10,700	11,113
Wednesday 31	756.24	22.69	12 AM - Mid	414	8,950	9,364
Thursday 1	756.72	23.17	12 AM - Mid	417	8,270	8,687
Friday 2	757.25	23.71	12 AM - Mid	415	7,500	7,915
Saturday 3	757.61	24.07	12 AM - Mid	413	6,470	6,883
CHANGE IN STORAGE DURING THE WEEK		4.75	* 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	2020	762.18	28.84	6	2017	755.56	22.02
2	2016	760.99	27.57	7	2018	751.96	18.55
3	2012	758.05	24.51	8	2013	749.48	16.27
4	2021	757.61	24.07	9	2014	749.21	16.02
5	2019	756.37	22.82	10	2015	746.98	14.05

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: April 10, 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 3	757.61	24.07	12 AM - Mid	413	6,470	6,883
Sunday 4	757.92	24.38	12 AM - Mid	412	5,660	6,072
Monday 5	758.16	24.63	12 AM - Mid	1,160	5,060	6,220
Tuesday 6	758.33	24.80	12 AM - Mid	1,040	4,510	5,550
Wednesday 7	758.40	24.87	12 AM - Mid	839	4,150	4,989
Thursday 8	758.47	24.94	12 AM - Mid	983	3,870	4,853
Friday 9	758.62	25.10	12 AM - Mid	1,090	3,560	4,650
Saturday 10	758.70	25.18	12 AM - Mid	380	3,410	3,790
CHANGE IN STORAGE DURING THE WEEK		1.11	* 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	2020	764.14	30.97	6	2012	758.47	24.94
2	2017	763.90	30.71	7	2018	754.84	21.31
3	2016	762.62	29.31	8	2014	754.19	20.68
4	2019	760.08	26.61	9	2013	751.91	18.51
5	2021	758.70	25.18	10	2015	749.95	16.70

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: April 17, 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 10	758.70	25.18	12 AM - Mid	380	3,410	3,790
Sunday 11	758.81	25.28	12 AM - Mid	384	3,510	3,894
Monday 12	758.96	25.45	12 AM - Mid	385	3,780	4,165
Tuesday 13	759.06	25.54	12 AM - Mid	385	4,490	4,875
Wednesday 14	759.21	25.71	12 AM - Mid	384	3,950	4,334
Thursday 15	759.35	25.85	12 AM - Mid	386	3,590	3,976
Friday 16	759.60	26.11	12 AM - Mid	386	6,050	6,436
Saturday 17	760.00	26.53	12 AM - Mid	385	7,560	7,945
CHANGE IN STORAGE DURING THE WEEK		1.35	* 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	768.09	35.38	6	2021	760.00	26.53
2	2019	766.67	33.77	7	2012	758.55	25.03
3	2020	766.47	33.55	8	2013	757.65	24.11
4	2016	764.44	31.30	9	2018	756.78	23.23
5	2014	763.34	30.09	10	2015	756.29	22.74

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: April 24, 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 17	760.00	26.53	12 AM - Mid	385	7,560	7,945
Sunday 18	760.43	26.98	12 AM - Mid	382	6,810	7,192
Monday 19	760.73	27.29	12 AM - Mid	380	5,970	6,350
Tuesday 20	760.98	27.56	12 AM - Mid	379	5,360	5,739
Wednesday 21	761.08	27.66	12 AM - Mid	381	4,950	5,331
Thursday 22	761.38	27.98	12 AM - Mid	381	4,640	5,021
Friday 23	761.53	28.14	12 AM - Mid	380	4,150	4,530
Saturday 24	761.68	28.30	12 AM - Mid	380	3,880	4,260
CHANGE IN STORAGE DURING THE WEEK		1.77	* 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	771.64	39.51	6	2013	762.28	28.95
2	2017	768.69	36.07	7	2021	761.68	28.30
3	2014	766.00	33.02	8	2015	761.34	27.94
4	2020	765.97	32.99	9	2012	759.42	25.93
5	2016	764.59	31.46	10	2018	758.86	25.35

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: April 3, 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 27	1,639.82	1.78	12 AM - Mid	128	3,000	10,900
Sunday 28	1,641.01	1.96	12 AM - Mid	134	2,830	8,510
Monday 29	1,641.95	2.11	12 AM - Mid	136	2,570	8,610
Tuesday 30	1,643.02	2.28	12 AM - Mid	136	2,320	6,950
Wednesday 31	1,643.49	2.36	12 AM - Mid	138	1,700	5,310
Thursday 1	1,643.85	2.42	12 AM - Mid	140	1,370	4,250
Friday 2	1,644.12	2.46	12 AM - Mid	142	1,180	3,410
Saturday 3	1,644.32	2.50	12 AM - Mid	142	897	2,670

CHANGE IN STORAGE DURING THE WEEK	0.72	* 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	2016	1,649.86	3.49	6	2017	1,641.13	1.98
2	2012	1,646.44	2.86	7	2015	1,638.41	1.57
3	2020	1,644.84	2.59	8	2014	1,638.01	1.51
4	2021	1,644.32	2.50	9	2013	1,637.86	1.48
5	2018	1,641.69	2.07	10	2019	1,637.33	1.41

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: April 10, 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 3	1,644.32	2.50	12 AM - Mid	142	897	2,670
Sunday 4	1,644.44	2.52	12 AM - Mid	144	710	2,230
Monday 5	1,644.51	2.53	12 AM - Mid	144	583	1,870
Tuesday 6	1,644.58	2.54	12 AM - Mid	144	508	1,720
Wednesday 7	1,644.64	2.55	12 AM - Mid	144	464	1,630
Thursday 8	1,644.73	2.57	12 AM - Mid	70	465	1,600
Friday 9	1,644.87	2.59	12 AM - Mid	40	546	1,400
Saturday 10	1,645.02	2.62	12 AM - Mid	40	660	1,670
CHANGE IN STORAGE DURING THE WEEK		0.12	* 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	2016	1,650.16	3.55	6	2018	1,642.57	2.21
2	2012	1,646.76	2.91	7	2014	1,640.27	1.85
3	2020	1,646.61	2.88	8	2019	1,640.02	1.81
4	2017	1,645.26	2.66	9	2015	1,639.66	1.75
5	2021	1,645.02	2.62	10	2013	1,639.21	1.69

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: April 17, 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 10	1,645.02	2.62	12 AM - Mid	50	650	1,670
Sunday 11	1,645.15	2.64	12 AM - Mid	53	708	1,680
Monday 12	1,645.29	2.66	12 AM - Mid	60	712	1,950
Tuesday 13	1,645.61	2.71	12 AM - Mid	60	632	2,370
Wednesday 14	1,645.82	2.75	12 AM - Mid	60	533	1,870
Thursday 15	1,645.97	2.78	12 AM - Mid	60	490	1,900
Friday 16	1,646.30	2.83	12 AM - Mid	60	858	3,590
Saturday 17	1,646.74	2.91	12 AM - Mid	60	1,080	4,380

CHANGE IN STORAGE DURING THE WEEK	0.29	* 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	2016	1,649.84	3.48	6	2021	1,646.74	2.91
2	2020	1,649.30	3.38	7	2019	1,645.21	2.65
3	2014	1,648.60	3.24	8	2015	1,643.58	2.37
4	2017	1,648.23	3.18	9	2018	1,643.51	2.36
5	2012	1,647.02	2.96	10	2013	1,643.02	2.28

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

Datum: NAVD 88 USGS Gauge Correction April 13, 2021

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CHIEF ENGINEER

STATE OF NEW YORK  
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
**INDIAN LAKE RESERVOIR OPERATION**  
FOR WEEK ENDING: April 24, 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 17	1,646.74	2.91	12 AM - Mid	60	1,080	4,380
Sunday 18	1,647.13	2.98	12 AM - Mid	60	881	3,550
Monday 19	1,647.40	3.03	12 AM - Mid	60	716	2,750
Tuesday 20	1,647.61	3.06	12 AM - Mid	60	612	2,380
Wednesday 21	1,647.73	3.09	12 AM - Mid	60	544	2,020
Thursday 22	1,647.91	3.12	12 AM - Mid	60	484	1,870
Friday 23	1,648.00	3.14	12 AM - Mid	60	419	1,520
Saturday 24	1,648.22	3.18	12 AM - Mid	60	400	1,720

CHANGE IN STORAGE DURING THE WEEK	0.27	* INIDAN RIVER NEAR INDIAN LAKE
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	1,650.88	3.69	6	2021	1,648.22	3.18
2	2016	1,649.66	3.45	7	2015	1,648.15	3.16
3	2014	1,649.47	3.41	8	2012	1,647.92	3.12
4	2020	1,649.43	3.40	9	2013	1,647.69	3.08
5	2017	1,649.01	3.32	10	2018	1,644.32	2.50

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: **April 3, 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 27	1,665.83	1.86	12 AM -Mid	50	2,210	15,800
Sunday 28	1,667.08	2.07	12 AM -Mid	50	1,580	22,300
Monday 29	1,667.91	2.20	12 AM -Mid	50	1,090	23,800
Tuesday 30	1,668.76	2.35	12 AM -Mid	50	968	21,500
Wednesday 31	1,669.32	2.44	12 AM -Mid	50	449	18,500
Thursday 1	1,669.84	2.52	12 AM -Mid	50	504	14,700
Friday 2	1,670.36	2.63	12 AM -Mid	50	691	11,800
Saturday 3	1,670.73	2.70	12 AM -Mid	50	530	10,000
CHANGE IN STORAGE DURING THE WEEK		0.84				

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2016	1,676.14	3.94	6	2020	1,669.30	2.43
2	2012	1,674.05	3.43	7	2013	1,666.48	1.97
3	2017	1,673.04	3.20	8	2019	1,665.14	1.75
4	2018	1,672.36	3.05	9	2014	1,664.16	1.58
5	2021	1,670.73	2.70	10	2015	1,658.44	0.75

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: **April 10, 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 3	1,670.73	2.70	12 AM -Mid	50	530	10,000
Sunday 4	1,671.04	2.76	12 AM -Mid	50	331	8,330
Monday 5	1,671.29	2.82	12 AM -Mid	79	246	6,740
Tuesday 6	1,671.51	2.87	12 AM -Mid	100	230	5,500
Wednesday 7	1,671.69	2.90	12 AM -Mid	100	208	4,620
Thursday 8	1,671.86	2.94	12 AM -Mid	100	228	3,920
Friday 9	1,672.03	2.97	12 AM -Mid	100	264	3,570
Saturday 10	1,672.18	3.01	12 AM -Mid	100	225	3,420
CHANGE IN STORAGE DURING THE WEEK		0.31				

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2016	1,676.89	4.13	6	2020	1,670.30	2.61
2	2017	1,675.39	3.76	7	2013	1,667.24	2.09
3	2012	1,674.59	3.56	8	2019	1,666.59	1.98
4	2018	1,673.42	3.29	9	2014	1,666.01	1.89
5	2021	1,672.18	3.01	10	2015	1,660.68	1.01

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: April 17, 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 10	1,672.18	3.01	12 AM -Mid	100	225	3,420
Sunday 11	1,672.31	3.04	12 AM -Mid	100	218	3,220
Monday 12	1,672.44	3.07	12 AM -Mid	71	258	3,230
Tuesday 13	1,672.68	3.12	12 AM -Mid	50	581	3,950
Wednesday 14	1,672.88	3.16	12 AM -Mid	50	416	4,540
Thursday 15	1,673.03	3.20	12 AM -Mid	50	344	4,240
Friday 16	1,673.22	3.24	12 AM -Mid	50	371	4,150
Saturday 17	1,673.42	3.29	12 AM -Mid	50	431	4,520

CHANGE IN STORAGE DURING THE WEEK	0.28
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2016	1,677.52	4.30	6	2021	1,673.42	3.29
2	2017	1,677.01	4.16	7	2020	1,671.98	2.97
3	2012	1,675.34	3.74	8	2019	1,671.06	2.77
4	2018	1,674.34	3.50	9	2013	1,670.82	2.72
5	2014	1,674.13	3.45	10	2015	1,666.57	1.98

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: April 24, 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 17	1,673.42	3.29	12 AM -Mid	50	431	4,520
Sunday 18	1,673.62	3.33	12 AM -Mid	50	481	4,830
Monday 19	1,673.77	3.36	12 AM -Mid	50	438	4,720
Tuesday 20	1,673.92	3.40	12 AM -Mid	50	339	4,180
Wednesday 21	1,674.03	3.42	12 AM -Mid	50	269	3,460
Thursday 22	1,674.16	3.46	12 AM -Mid	50	244	3,280
Friday 23	1,674.24	3.48	12 AM -Mid	50	256	3,210
Saturday 24	1,674.36	3.50	12 AM -Mid	50	258	3,210

CHANGE IN STORAGE DURING THE WEEK	0.22	
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2017	1,677.60	4.32	6	2019	1,674.86	3.62
2	2016	1,677.53	4.30	7	2018	1,674.83	3.61
3	2014	1,676.93	4.14	8	2021	1,674.36	3.50
4	2012	1,676.31	3.98	9	2020	1,672.74	3.13
5	2013	1,675.29	3.73	10	2015	1,670.53	2.66

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: **April 3, 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 27	1,704.05	0.536	239	1,782.00	0.177	179
Sunday 28	1,704.20	0.557	244	1,782.07	0.179	180
Monday 29	1,704.21	0.558	246	1,782.13	0.180	181
Tuesday 30	1,704.37	0.577	158	1,782.24	0.184	126
Wednesday 31	1,704.46	0.590	96	1,782.26	0.184	88
Thursday 1	1,704.53	0.598	96	1,782.25	0.184	89
Friday 2	1,704.60	0.607	85	1,782.22	0.183	67
Saturday 3	1,704.63	0.612	59	1,782.23	0.183	30
CHANGE IN STORAGE		0.076			0.007	

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	1,705.02	0.662	1	2021	1,782.23	0.183
2	2021	1,704.63	0.612	2	2020	1,781.72	0.168
3	2020	1,704.28	0.567	3	2017	1,781.56	0.163
4	2019	1,704.09	0.541	4	2019	1,780.94	0.144
5	2018	1,703.86	0.512	5	2018	1,780.43	0.129

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: **April 10, 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 3	1,704.63	0.612	59	1,782.23	0.183	30
Sunday 4	1,704.66	0.616	59	1,782.26	0.184	30
Monday 5	1,704.67	0.617	23	1,782.29	0.185	13
Tuesday 6	1,704.71	0.623	4	1,782.34	0.187	3
Wednesday 7	1,704.75	0.628	4	1,782.41	0.189	3
Thursday 8	1,704.80	0.633	4	1,782.47	0.191	3
Friday 9	1,704.83	0.637	4	1,782.52	0.193	3
Saturday 10	1,704.86	0.641	4	1,782.55	0.193	3
CHANGE IN STORAGE		0.029			0.010	

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	1,705.41	0.712	1	2017	1,782.79	0.201
2	2021	1,704.86	0.641	2	2021	1,782.55	0.193
3	2020	1,704.66	0.616	3	2019	1,782.27	0.185
4	2019	1,704.55	0.600	4	2020	1,782.17	0.182
5	2018	1,704.21	0.558	5	2018	1,781.06	0.148

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: April 17, 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 10	1,704.86	0.641	4	1,782.55	0.193	3
Sunday 11	1,704.89	0.646	4	1,782.59	0.195	3
Monday 12	1,704.97	0.656	4	1,782.65	0.197	4
Tuesday 13	1,705.07	0.668	4	1,782.84	0.202	4
Wednesday 14	1,705.13	0.677	4	1,782.96	0.206	4
Thursday 15	1,705.16	0.681	4	1,783.02	0.208	4
Friday 16	1,705.27	0.694	4	1,783.17	0.213	4
Saturday 17	1,705.36	0.706	4	1,783.33	0.218	4
CHANGE IN STORAGE		0.065			0.024	

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	1,705.38	0.708	1	2021	1,783.33	0.218
2	2021	1,705.36	0.706	2	2017	1,783.23	0.215
3	2019	1,705.29	0.697	3	2019	1,782.99	0.207
4	2020	1,705.15	0.680	4	2020	1,782.85	0.203
5	2018	1,704.20	0.557	5	2018	1,781.60	0.164

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: April 24, 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 17	1,705.36	0.706	4	1,783.33	0.218	4
Sunday 18	1,705.43	0.716	4	1,783.47	0.222	4
Monday 19	1,705.49	0.724	4	1,783.56	0.225	4
Tuesday 20	1,705.53	0.728	4	1,783.63	0.227	4
Wednesday 21	1,705.56	0.732	4	1,783.69	0.229	5
Thursday 22	1,705.60	0.737	4	1,783.76	0.231	5
Friday 23	1,705.61	0.738	4	1,783.79	0.232	5
Saturday 24	1,705.67	0.747	4	1,783.84	0.234	5
CHANGE IN STORAGE		0.042			0.016	

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	1,705.99	0.789	1	2017	1,784.12	0.242
2	2021	1,705.67	0.747	2	2019	1,784.08	0.241
3	2019	1,705.57	0.733	3	2021	1,783.84	0.234
4	2020	1,705.48	0.723	4	2020	1,783.18	0.213
5	2018	1,704.69	0.619	5	2018	1,782.03	0.177

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