

**REPORT OF CHIEF ENGINEER**  
**HUDSON RIVER - BLACK RIVER REGULATING DISTRICT**  
**BOARD MEETING**  
**NOVEMBER 9, 2021 – ALBANY, NEW YORK**

**HUDSON RIVER AREA - OCTOBER SUMMARY**

**Reservoir Operation**

Great Sacandaga Lake

The October average daily release from the Sacandaga Reservoir (Great Sacandaga Lake) was approximately 3,160 cubic feet per second (cfs). The Upper Hudson / Sacandaga River Offer of Settlement target elevation for October 31 is 757.47 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
Sept. 30	761.43	+5.16	+1.18	0	3,970
Oct. 31	760.2 (e)	+5.3 (e)	+2.8 (e)	0	3,400 (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 October average daily release from Indian Lake was approximately 160 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	
Sept. 30	1,642.81	-1.33	-3.34	195
Oct. 31	1,642.4 (e)	-1.8 (e)	-1.5 (e)	134 (e)

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

## HUDSON RIVER AREA - OCTOBER SUMMARY- continued

### River Flow

Hudson River flow, downstream of the confluence with the Sacandaga River, was approximately 5,990 cfs on October 24 and approximately 1,620 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	1,230 (e)	771
<b>Sacandaga</b> at Stewarts Bridge	3,160 (e)	1,930
<b>Indian</b> at Indian Lake Dam	160 (e)	265
<b>Hudson</b> at Hadley (1)	2,420 (e)	2,030

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

### Precipitation

Monthly total precipitation measured 61%, 150%, and 141% of historic average at Indian Lake, Mayfield, and Conklingville, respectively, as of October 24

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

<b>Station</b>	<b>Monthly Total (inch)</b>	<b>Historic Average (inch)</b>
<b>Indian Lake</b>	2.76	4.53
<b>Mayfield</b>	5.94	3.95
<b>Conklingville</b>	5.12	3.62

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

### **Operation Overview**

Precipitation during the month of October was above normal across the Great Sacandaga Lake watershed and below normal in the Indian Lake watershed. The monthly inflow to Great Sacandaga Lake and Indian Lake reservoir was approximately 177% and 49% of historic average, respectively. Monthly release of water from Great Sacandaga Lake and Indian Lake measured 165% and 61% of historic average, respectively.

### **Great Sacandaga Lake Operation**

Great Sacandaga Lake operation summary report for the period October 1, 2021 through October 24, 2021 is attached. This report includes projected and forecast values for dates after October 24, 2021.

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

Staff completed routine maintenance and operations activities during the month.

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

## BLACK RIVER AREA – OCTOBER SUMMARY

### Reservoir Operations

#### Stillwater Reservoir

The October average daily release from Stillwater Reservoir was approximately 600 cfs. The maximum discharge for the month was 600 cfs.

Table 1.0 - *Stillwater Reservoir Elevation and Release*

Date	Daily Average Elevation (ft, NAVD)	Deviation from Average Elevation (ft) (1)	Release (cfs)
Sept. 30	1,673.67	+3.66	600
Oct. 31	1,670.0 (e)	+0.6 (e)	600 (e)

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

#### Sixth Lake Reservoir

The October average daily release from Sixth Lake Reservoir was approximately 48 cfs.

Table 2.0 - *Sixth Lake Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
Sept. 30	1,785.96	+0.71	20
Oct. 31	1,784.6 (e)	+0.4 (e)	76 (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 October average daily release from Old Forge Reservoir was approximately 159 cfs.

Table 3.0 - *Old Forge Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
Sept. 30	1,706.97	+0.35	42
Oct. 31	1,705.6 (e)	0.0 (e)	177 (e)

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

## BLACK RIVER AREA - OCTOBER SUMMARY - continued

### River Flow

The average daily Black River flow, as measured at the Watertown gauge, was approximately 5,370 cfs on October 24.

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

<b>River</b>	<b>Monthly Average Flow (cfs)</b>	<b>Historic Average Flow (1) (cfs)</b>
<b>Moose</b> at McKeever	1,008 (e)	729
<b>Beaver</b> at Croghan	820 (e)	531
<b>Black</b> at Watertown	4,350 (e)	3,350

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 62%, 83%, 87% of historic average at Stillwater, Old Forge, and Sixth Lake, respectively, as of October 24.

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

<b>Station</b>	<b>Monthly Total (inch)</b>	<b>Historic Average (inch)</b>
<b>Stillwater</b>	3.35	5.39
<b>Old Forge</b>	4.43	5.33
<b>Sixth Lake</b>	4.05	4.66

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

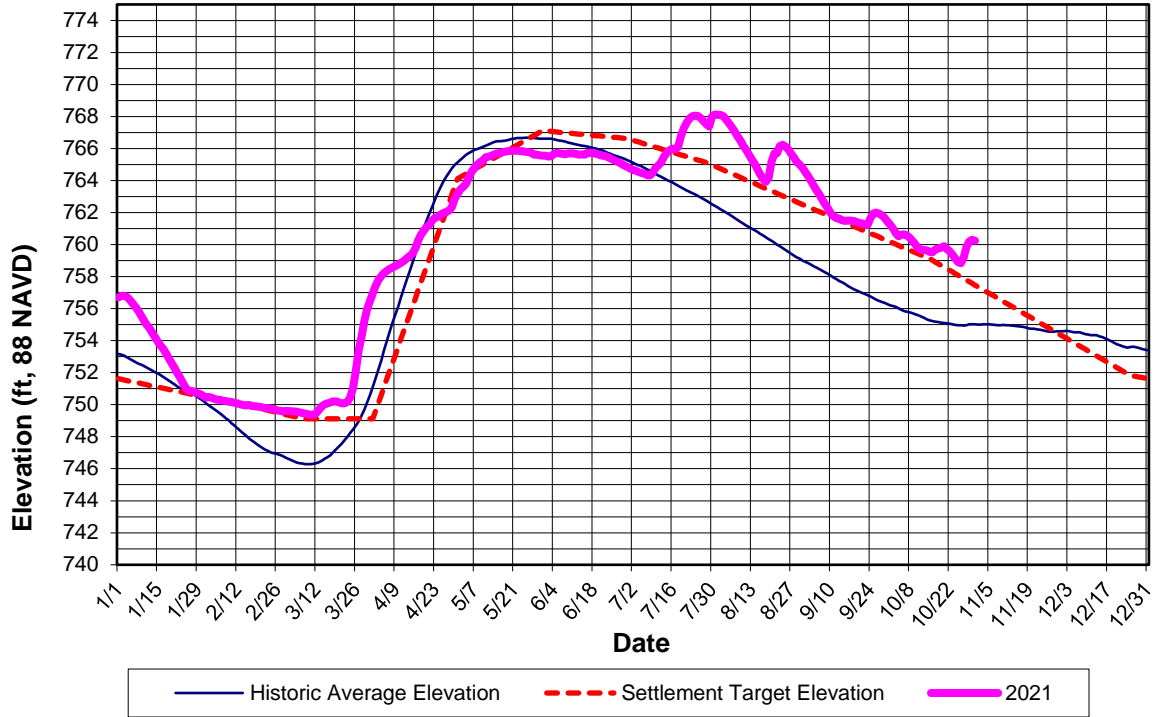
### **Operation Overview**

Precipitation in the month of October was below average at Stillwater, Old Forge Reservoir and at Sixth Lake Reservoir. The monthly inflow to Stillwater Reservoir was approximately 84% of historic average. The inflow to Sixth Lake and Old Forge Reservoir totaled 0.09 and 0.13 billion cubic feet, respectively, in October. Release of water from Stillwater Reservoir averaged 187% of historic discharge.

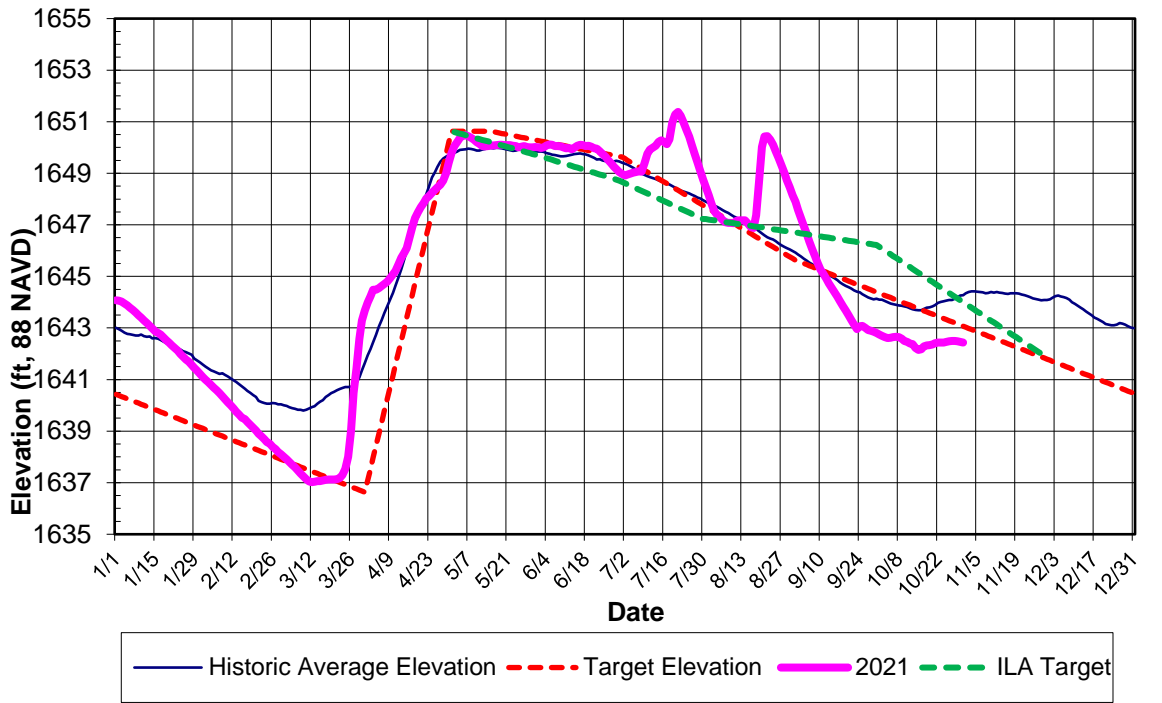
### **Black River Area Staff Activities**

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

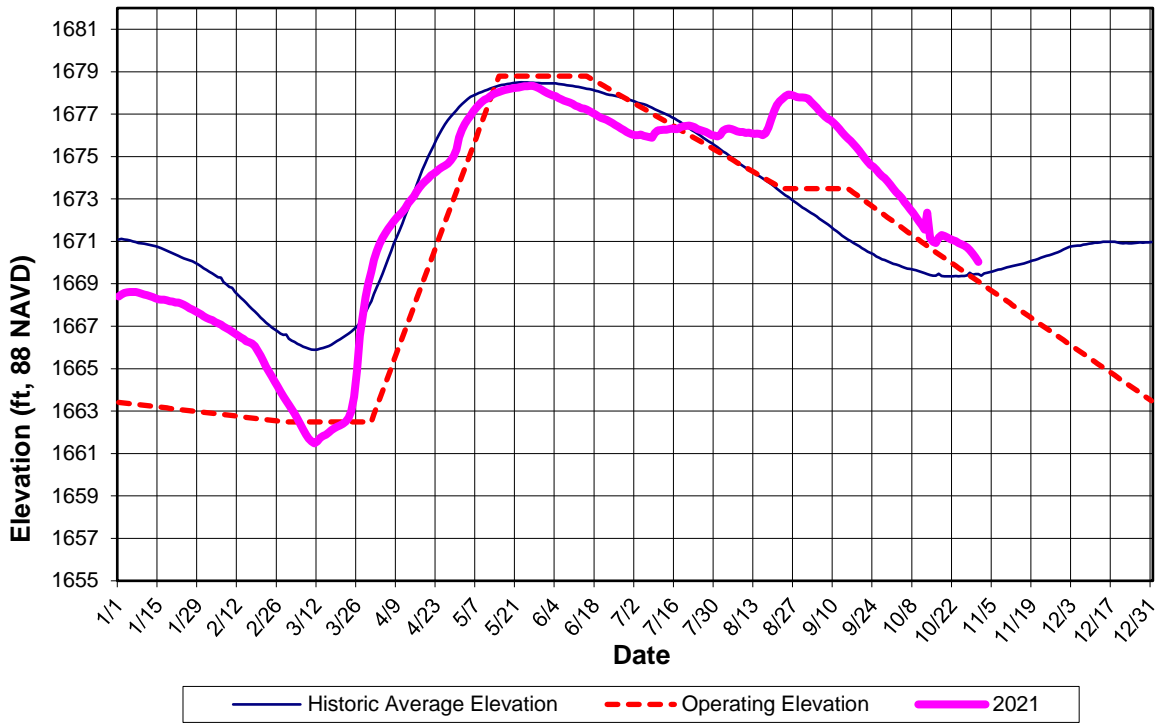
### Great Sacandaga Lake 2021 Reservoir Elevation



### Indian Lake 2021 Reservoir Elevation

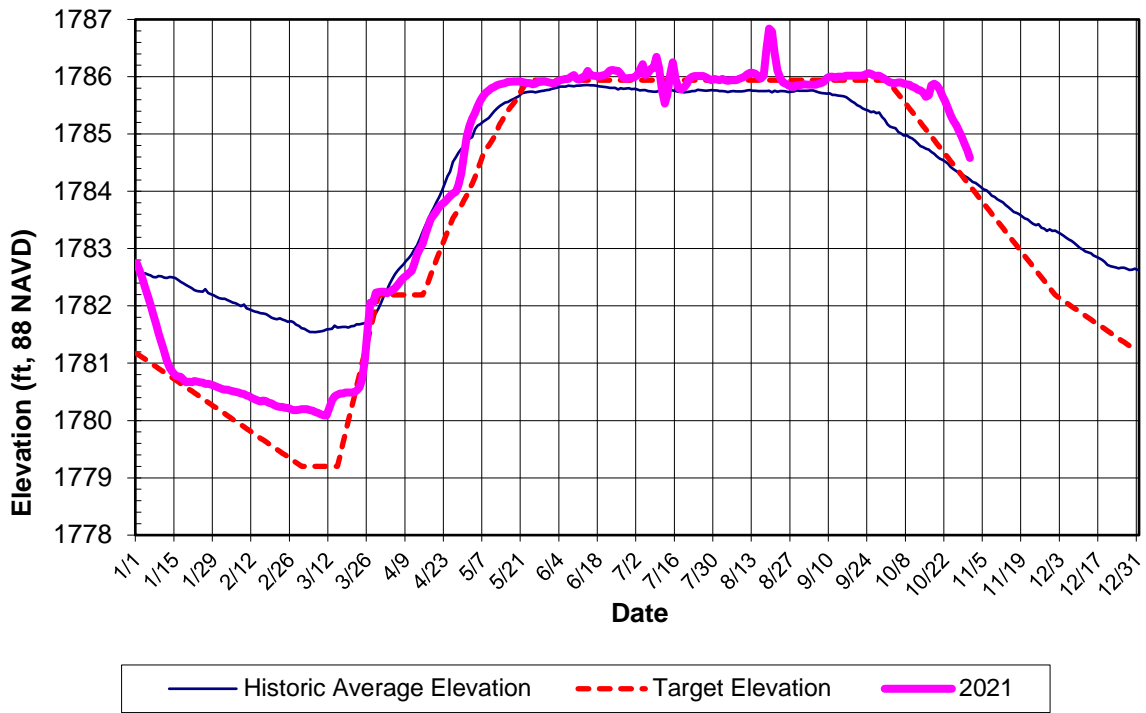


### Stillwater Reservoir 2021 Reservoir Elevation

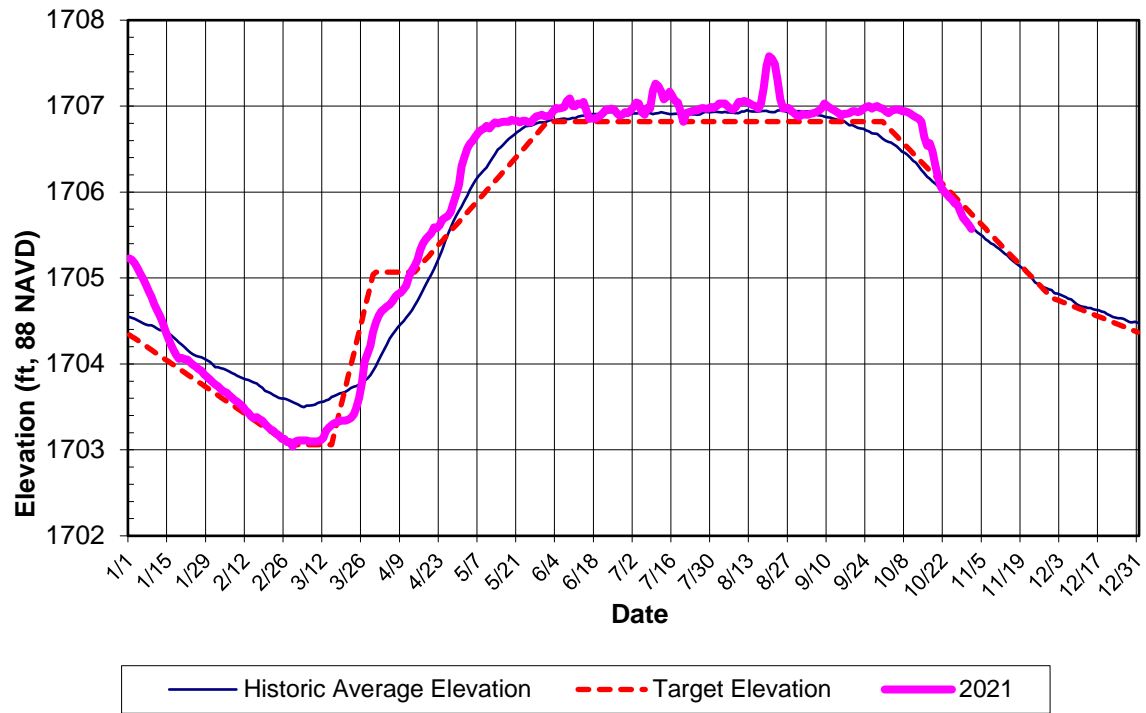




### Sixth Lake 2021 Reservoir Elevation



### Old Forge 2021 Reservoir Elevation



**SACANDAGA RESERVOIR ELEVATION CALCULATOR**

Datum:

**1988 NAVD**

**Settlement Parameters**

Date	10/25/2021	
Target Elevation	758.09	
Actual "Level"	3.00	
"Level 2.5 threshold"		
"Level 1.2 threshold"	742.24	
<b>Hudson River Target</b>	<b>Elevation</b>	<b>Level</b>
Maximum Flow (cfs)	8000	7500
Minimum Flow (cfs)	n/a	2000
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	10/25/2021
Day of Year	5412
Starting Elevation (ft)	759.00
Average Elevation	758.91
Flow Below Hadley (cfs)	6200
Todays Release	4000
Tomorrows Release	4000

**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)					
10/1/2021	761.30	900	3150	0	0	3150	4000	3.00	2230	5380	2000	8000	7500	761.11	10/2/2021	761.21	760.17	756.20
10/2/2021	761.11	200	4090	0	0	4090	4000	3.00	1920	6010	2000	8000	7500	760.78	10/3/2021	760.95	760.10	756.15
10/3/2021	760.78	1200	4090	0	0	4090	4000	3.00	1880	5970	2000	8000	7500	760.54	10/4/2021	760.66	760.02	756.10
10/4/2021	760.54	4400	4010	0	0	4010	4000	3.00	1700	5710	2000	8000	7500	760.57	10/5/2021	760.56	759.95	756.01
10/5/2021	760.57	4900	3990	0	0	3990	4000	3.00	1790	5780	2000	8000	7500	760.64	10/6/2021	760.61	759.87	755.92
10/6/2021	760.64	3300	3990	0	0	3990	4000	3.00	1950	5940	2000	8000	7500	760.58	10/7/2021	760.61	759.80	755.84
10/7/2021	760.58	2700	4000	0	0	4000	4000	3.00	1770	5770	2000	8000	7500	760.47	10/8/2021	760.53	759.72	755.79
10/8/2021	760.47	2100	4070	0	0	4070	4000	3.00	1710	5780	2000	8000	7500	760.30	10/9/2021	760.39	759.65	755.74
10/9/2021	760.30	1800	4060	0	0	4060	4000	3.00	1500	5560	2000	8000	7500	760.11	10/10/2021	760.21	759.57	755.69
10/10/2021	760.11	1400	4060	0	0	4060	4000	3.00	1460	5520	2000	8000	7500	759.88	10/11/2021	760.00	759.50	755.64
10/11/2021	759.88	1900	4010	0	0	4010	4000	3.00	1360	5370	2000	8000	7500	759.70	10/12/2021	759.79	759.42	755.58
10/12/2021	759.70	1200	1330	0	0	1330	4000	3.00	1250	2580	2000	8000	7500	759.68	10/13/2021	759.69	759.35	755.49
10/13/2021	759.68	1100	1310	0	0	1310	4000	3.00	1160	2470	2000	8000	7500	759.66	10/14/2021	759.67	759.27	755.40
10/14/2021	759.66	900	1320	0	0	1320	4000	3.00	1170	2490	2000	8000	7500	759.62	10/15/2021	759.64	759.20	755.32
10/15/2021	759.62	1400	2520	0	0	2520	4000	3.00	1160	3680	2000	8000	7500	759.52	10/16/2021	759.57	759.12	755.26
10/16/2021	759.52	4700	3020	0	0	3020	4000	3.00	1420	4440	2000	8000	7500	759.65	10/17/2021	759.59	759.02	755.21
10/17/2021	759.65	4100	3010	0	0	3010	4000	3.00	2350	5360	2000	8000	7500	759.74	10/18/2021	759.70	758.91	755.17
10/18/2021	759.74	3300	3060	0	0	3060	4000	3.00	2600	5660	2000	8000	7500	759.75	10/19/2021	759.75	758.81	755.15
10/19/2021	759.75	2600	1390	0	0	1390	4000	3.00	2580	3970	2000	8000	7500	759.85	10/20/2021	759.80	758.71	755.12
10/20/2021	759.85	1300	1400	0	0	1400	4000	3.09	2360	3760	2180	8000	7680	759.84	10/21/2021	759.85	758.61	755.08
10/21/2021	759.84	1100	4030	0	0	4030	4000	3.08	2110	6140	2160	8000	7660	759.59	10/22/2021	759.72	758.50	755.06
10/22/2021	759.59	2500	4040	0	0	4040	4000	3.08	2030	6070	2160	8000	7660	759.46	10/23/2021	759.53	758.40	755.04
10/23/2021	759.46	1500	4040	0	0	4040	4000	3.07	2020	6060	2140	8000	7640	759.24	10/24/2021	759.35	758.30	755.00
10/24/2021	759.24	1200	4040	0	0	4040	4000	3.07	1950	5990	2140	8000	7640	759.00	10/25/2021	759.12	758.19	754.97
10/25/2021	759.00	1900	4000	0	0	4000	4000	3.06	2200	6200	2120	8000	7620	758.82	10/26/2021	758.91	758.09	754.95
10/26/2021	758.82	4400	4000	0	0	4000	4000	3.06	2400	6400	2120	8000	7620	758.85	10/27/2021	758.84	757.99	754.94
10/27/2021	758.85	10000	1200	0	0	1200	4000	3.09	6500	7700	2180	8000	7680	759.58	10/28/2021	759.22	757.89	754.92
10/28/2021	759.58	8000	1800	0	0	1800	4000	3.14	5900	7700	2280	8000	7780	760.09	10/29/2021	759.84	757.78	754.95
10/29/2021	760.09	5000	2400	0	0	2400	4000	3.17	5300	7700	2340	8000	7840	760.30	10/30/2021	760.20	757.68	755.01
10/30/2021	760.30	3000	3000	0	0	3000	4000	3.17	4800	7800	2340	8000	7840	760.30	10/31/2021	760.30	757.58	754.99
10/31/2021	760.30	2000	3400	0	0	3400	4000	3.17	4400	7800	2340	8000	7840	760.18	11/1/2021	760.24	757.47	754.99
11/1/2021	760.18	1600	3800	0	0	3800	4000	3.16	4000	7800	2320	8000	7820	759.99	11/2/2021		757.27	754.99
6/6/2020	767.29	1000	4000	0	0	4000	5487	3.00	500	4500	2000	8000	7500	777.12	3/15/2019	#N/A	#N/A	

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

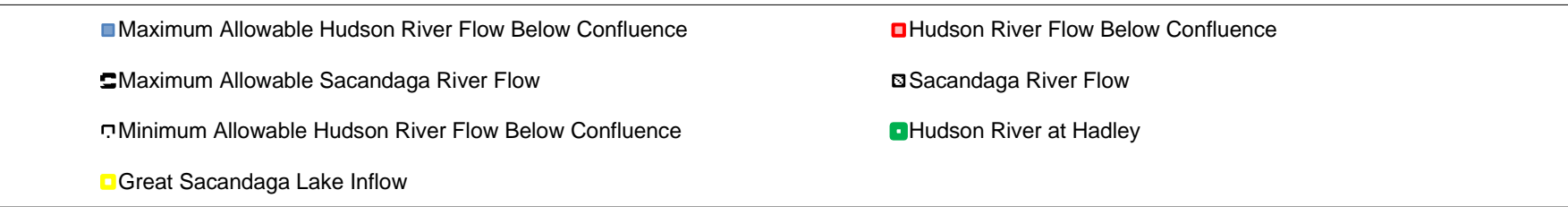
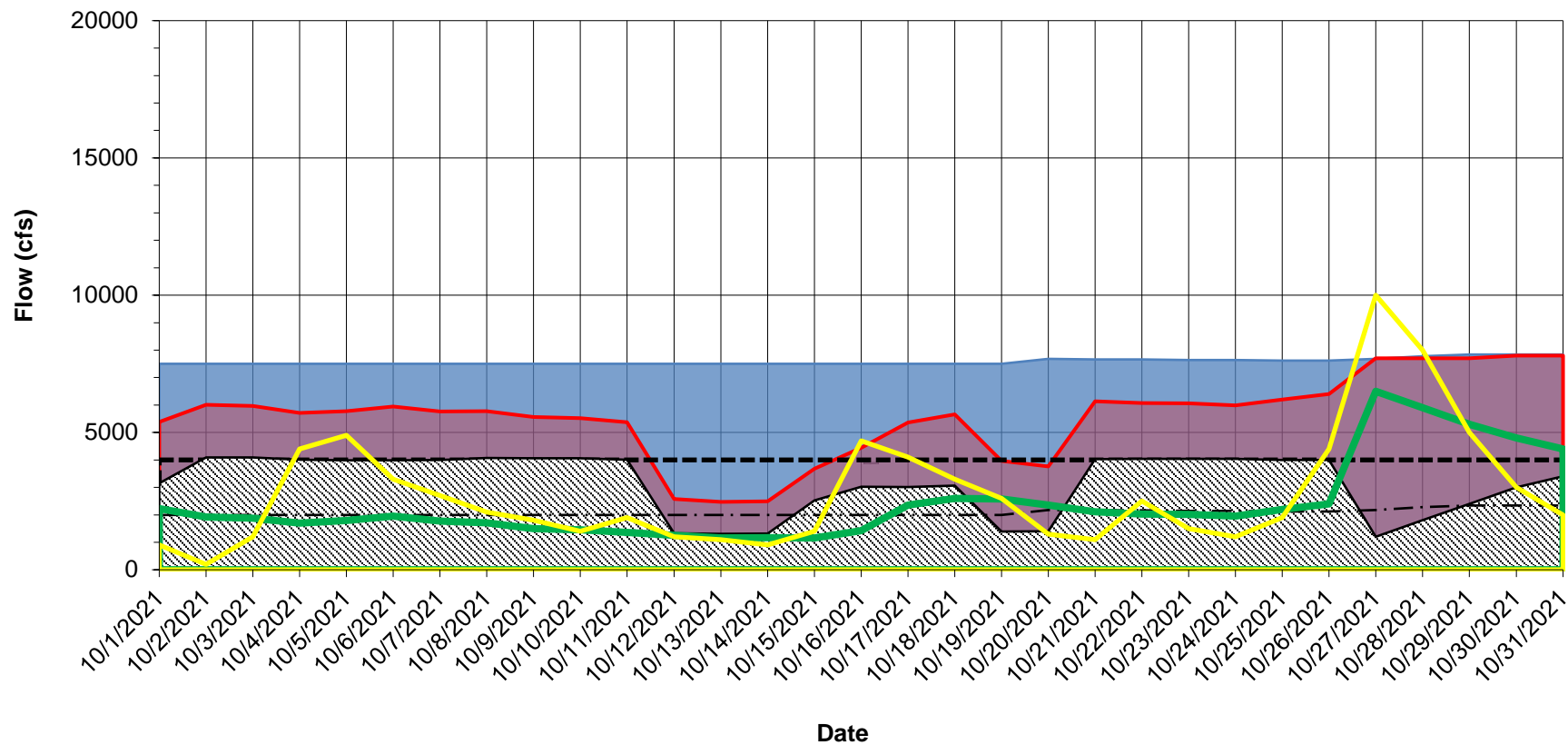
Date: \_\_\_\_\_

**GREAT SACANDAGA LAKE  
RESERVOIR OPERATION SUMMARY**

Print Date: 10/25/2021  
Period of Record: 10/1/2021 to 10/29/2021

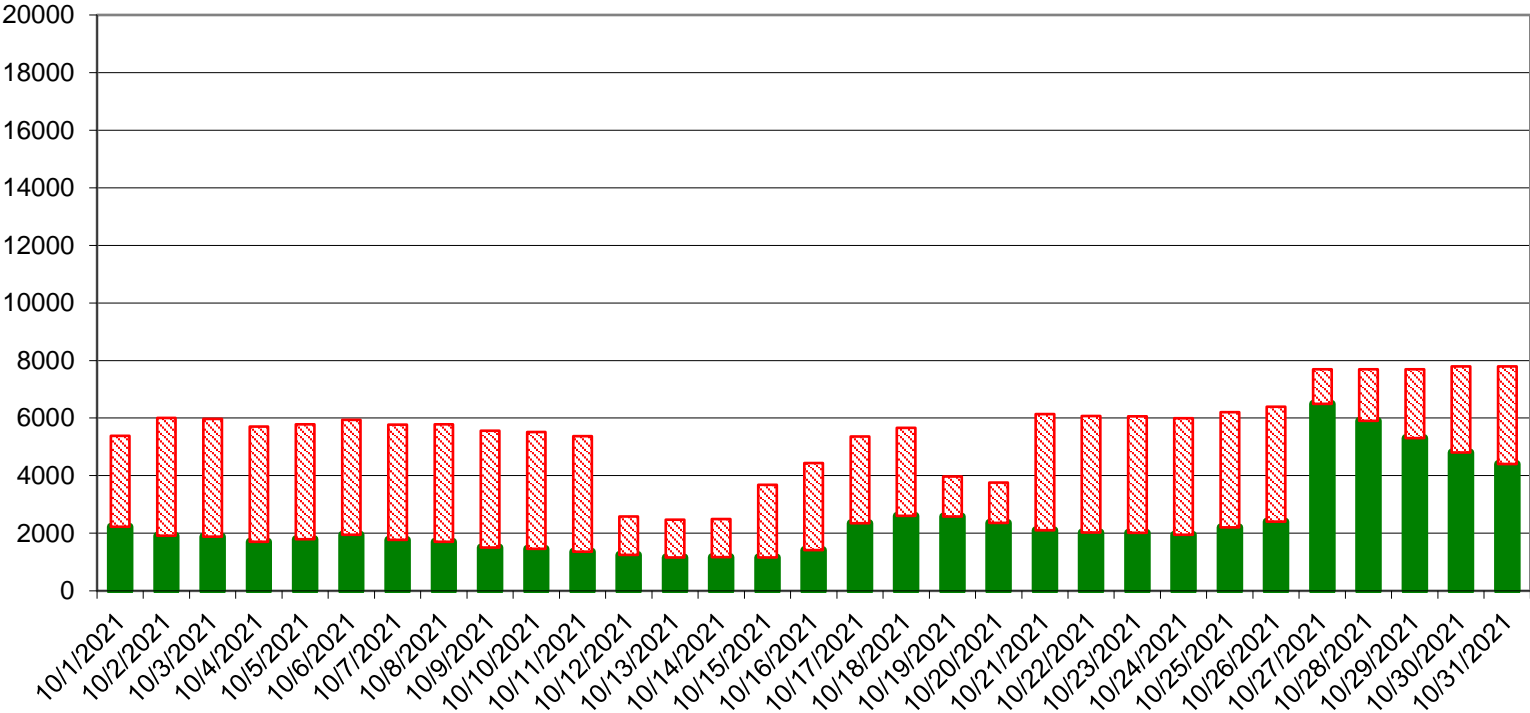
Starting Date 12:00 AM	Daily Avg. Elevation	Net Average Inflow	Sacandaga River Flow Average Release		Maximum (Table F - Elev.)	Settlement Level	Hudson at Hadley	Hudson River Below Confluence	Hudson River Target Flow Minimum (Table B - Level)		Maximum (Table D & E)	Maximum Allowable Sacandaga
10/1/2021	761.21	900	3150	4000	3.00	2230	5380	2000	7500	4000		
10/2/2021	760.95	200	4090	4000	3.00	1920	6010	2000	7500	4000		
10/3/2021	760.66	1200	4090	4000	3.00	1880	5970	2000	7500	4000		
10/4/2021	760.56	4400	4010	4000	3.00	1700	5710	2000	7500	4000		
10/5/2021	760.61	4900	3990	4000	3.00	1790	5780	2000	7500	4000		
10/6/2021	760.61	3300	3990	4000	3.00	1950	5940	2000	7500	4000		
10/7/2021	760.53	2700	4000	4000	3.00	1770	5770	2000	7500	4000		
10/8/2021	760.39	2100	4070	4000	3.00	1710	5780	2000	7500	4000		
10/9/2021	760.21	1800	4060	4000	3.00	1500	5560	2000	7500	4000		
10/10/2021	760.00	1400	4060	4000	3.00	1460	5520	2000	7500	4000		
10/11/2021	759.79	1900	4010	4000	3.00	1360	5370	2000	7500	4000		
10/12/2021	759.69	1200	1330	4000	3.00	1250	2580	2000	7500	4000		
10/13/2021	759.67	1100	1310	4000	3.00	1160	2470	2000	7500	4000		
10/14/2021	759.64	900	1320	4000	3.00	1170	2490	2000	7500	4000		
10/15/2021	759.57	1400	2520	4000	3.00	1160	3680	2000	7500	4000		
10/16/2021	759.59	4700	3020	4000	3.00	1420	4440	2000	7500	4000		
10/17/2021	759.70	4100	3010	4000	3.00	2350	5360	2000	7500	4000		
10/18/2021	759.75	3300	3060	4000	3.00	2600	5660	2000	7500	4000		
10/19/2021	759.80	2600	1390	4000	3.00	2580	3970	2000	7500	4000		
10/20/2021	759.85	1300	1400	4000	3.09	2360	3760	2180	7680	4000		
10/21/2021	759.72	1100	4030	4000	3.08	2110	6140	2160	7660	4000		
10/22/2021	759.53	2500	4040	4000	3.08	2030	6070	2160	7660	4000		
10/23/2021	759.35	1500	4040	4000	3.07	2020	6060	2140	7640	4000		
10/24/2021	759.12	1200	4040	4000	3.07	1950	5990	2140	7640	4000		
10/25/2021	758.91	1900	4000	4000	3.06	2200	6200	2120	7620	4000		
10/26/2021	758.84	4400	4000	4000	3.06	2400	6400	2120	7620	4000		
10/27/2021	759.22	10000	1200	4000	3.09	6500	7700	2180	7680	4000		
10/28/2021	759.84	8000	1800	4000	3.14	5900	7700	2280	7780	4000		
10/29/2021	760.20	5000	2400	4000	3.17	5300	7700	2340	7840	4000		
10/30/2021	760.30	3000	3000	4000	3.17	4800	7800	2340	7840	4000		
10/31/2021	760.24	2000	3400	4000	3.17	4400	7800	2340	7840	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: September 2021

Day	Sacandaga Reservoir Elevation Average Daily	Sacandaga Reservoir Elevation Midnight	Sacandaga River Near Hope cfs	Reservoir Inflow Hope x 2.3870 cfs	Sacandaga River at Stewarts Bridge cfs	Hudson River at Hadley cfs	Regulated Hudson River below confluence cfs
1	764.51	764.65	507	1210	4040	2510	6550
2	764.25	764.38	258	616	4170	2270	6440
3	763.95	764.11	416	993	4090	2180	6270
4	763.67	763.79	376	898	4100	1890	5990
5	763.37	763.52	346	826	4100	1770	5870
6	763.12	763.22	339	809	4110	1700	5810
7	762.80	762.93	332	792	4110	1650	5760
8	762.50	762.61	294	702	4100	1640	5740
9	762.23	762.30	313	747	4050	1980	6030
10	761.96	762.10	297	709	4000	2340	6340
11	761.77	761.88	269	642	2080	2090	4170
12	761.66	761.72	252	602	1310	1840	3150
13	761.62	761.57	248	592	1000	1700	2700
14	761.52	761.64	240	573	2060	1550	3610
15	761.47	761.47	221	528	998	1640	2638
16	761.49	761.49	373	890	1010	1650	2660
17	761.49	761.52	316	754	996	1620	2616
18	761.47	761.51	253	604	1290	1330	2620
19	761.41	761.43	316	754	1300	1300	2600
20	761.36	761.36	218	520	1000	1220	2220
21	761.32	761.29	213	508	1000	1100	2100
22	761.25	761.30	212	506	1010	1140	2150
23	761.22	761.22	278	664	1030	1060	2090
24	761.64	761.42	2860	6827	2540	3300	5840
25	761.94	761.85	1460	3485	2450	5280	7730
26	762.00	761.95	1070	2554	2560	4550	7110
27	761.93	761.96	880	2101	2490	3570	6060
28	761.84	761.91	866	2067	2570	3040	5610
29	761.68	761.77	672	1604	4010	2780	6790
30	761.43	761.60	567	1353	3970	2400	6370

AVERAGE 509 1214 2580 2140 4720

CHANGE IN STORAGE DURING THE MONTH -3.63 B.C.F.

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

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

Monthly Report for: September, 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	1647.89	1647.99	133	758	192	1260
2	1647.57	1647.69	67	754	173	1250
3	1647.26	1647.37	145	749	157	1150
4	1646.95	1647.07	182	744	143	1170
5	1646.66	1646.80	151	741	131	1110
6	1646.36	1646.51	185	736	127	1080
7	1646.06	1646.23	141	731	129	1100
8	1645.78	1645.93	198	729	138	1070
9	1645.52	1645.66	134	724	234	1470
10	1645.27	1645.37	197	531	284	1480
11	1645.10	1645.19	50	444	254	1280
12	1644.92	1644.99	147	442	220	1090
13	1644.73	1644.84	66	440	188	925
14	1644.56	1644.65	84	438	163	927
15	1644.38	1644.47	122	437	151	820
16	1644.21	1644.31	80	434	153	924
17	1644.04	1644.13	79	433	150	804
18	1643.85	1643.95	76	430	145	869
19	1643.67	1643.77	41	428	148	815
20	1643.49	1643.57	131	427	131	712
21	1643.31	1643.41	55	425	117	777
22	1643.13	1643.21	71	423	105	659
23	1642.96	1643.02	461	424	103	761
24	1643.07	1643.04	522	429	436	2280
25	1643.08	1643.09	330	423	1020	3400
26	1643.00	1643.04	200	422	770	2590
27	1642.92	1642.92	280	280	578	1890
28	1642.89	1642.92	140	196	522	1720
29	1642.86	1642.89	85	196	459	1390
30	1642.81	1642.83	102	195	389	1290

AVERAGE			155	499	264	1269
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CHANGE IN STORAGE DURING THE MONTH -0.891 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: September 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	1677.72	1677.76	214	517	464	560	3210
2	1677.58	1677.66	146	600	392	577	2760
3	1677.44	1677.51	206	600	352	712	2380
4	1677.30	1677.38	176	600	328	734	2410
5	1677.16	1677.24	146	600	313	697	2290
6	1677.01	1677.09	180	600	323	721	2320
7	1676.88	1676.95	188	600	319	699	2390
8	1676.77	1676.81	453	600	364	717	2410
9	1676.70	1676.76	276	600	736	725	2450
10	1676.58	1676.65	218	600	658	801	3040
11	1676.44	1676.52	129	600	447	742	3140
12	1676.29	1676.36	188	600	354	649	2630
13	1676.14	1676.22	159	600	453	705	2300
14	1675.99	1676.07	108	600	457	727	2310
15	1675.86	1675.90	371	600	409	665	2400
16	1675.74	1675.82	143	600	484	686	2210
17	1675.58	1675.66	171	600	427	670	2230
18	1675.43	1675.51	143	600	388	720	2270
19	1675.27	1675.35	143	600	425	630	2200
20	1675.10	1675.19	114	600	387	646	2110
21	1674.92	1675.02	76	600	310	644	2090
22	1674.76	1674.83	188	600	285	647	1930
23	1674.61	1674.68	298	600	308	677	1860
24	1674.52	1674.57	298	600	854	689	2090
25	1674.38	1674.46	133	600	1050	674	3250
26	1674.21	1674.29	188	600	785	689	3800
27	1674.08	1674.14	325	600	723	654	3200
28	1673.98	1674.04	252	600	887	658	3010
29	1673.83	1673.91	177	600	811	761	3290
30	1673.67	1673.75	151	600	770	651	3140

AVERAGE 199 597 510 680 2570

CHANGE IN STORAGE DURING THE MONTH -1.03 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: September, 2021

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1785.87	1785.87	10	0.00	0.17	10
2	1785.86	1785.86	10	0.00	0.17	10
3	1785.86	1785.86	10	0.00	0.17	10
4	1785.86	1785.86	10	0.00	0.17	10
5	1785.86	1785.87	10	0.00	0.17	10
6	1785.88	1785.87	10	0.00	0.17	10
7	1785.89	1785.89	10	0.00	0.17	10
8	1785.92	1785.89	10	0.00	0.17	10
9	1785.98	1785.97	10	0.00	0.17	10
10	1786.00	1785.99	10	0.00	0.17	10
11	1786.00	1786.00	10	0.00	0.17	10
12	1785.99	1786.00	10	0.00	0.17	10
13	1786.00	1786.00	10	0.00	0.17	10
14	1786.00	1786.00	10	0.00	0.17	10
15	1786.00	1785.99	10	0.00	0.17	10
16	1786.02	1786.02	10	0.00	0.17	10
17	1786.02	1786.01	8	0.00	0.08	8
18	1786.02	1786.02	5	0.00	0.08	5
19	1786.02	1786.02	5	0.00	0.08	5
20	1786.02	1786.02	5	0.00	0.08	5
21	1786.02	1786.03	5	0.00	0.08	5
22	1786.02	1786.01	5	0.00	0.08	5
23	1786.04	1786.03	29	0.67	0.67	29
24	1786.06	1786.07	50	0.17	0.17	50
25	1786.05	1786.05	20	0.17	0.17	20
26	1786.02	1786.04	20	0.17	0.17	20
27	1786.02	1786.02	20	0.17	0.17	20
28	1786.02	1786.02	20	0.17	0.17	20
29	1785.99	1786.00	20	0.17	0.17	20
30	1785.96	1785.97	20	0.17	0.17	20

AVERAGE 13 13

CHANGE IN STORAGE DURING THE MONTH 0.003 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: September, 2021

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1706.91	1706.91	32	0.17	0.17	16
2	1706.90	1706.92	-16	0.17	0.17	16
3	1706.90	1706.90	16	0.17	0.17	16
4	1706.91	1706.90	48	0.17	0.17	16
5	1706.92	1706.92	32	0.17	0.17	16
6	1706.93	1706.93	32	0.17	0.17	16
7	1706.95	1706.94	48	0.17	0.17	16
8	1706.98	1706.96	129	0.17	0.17	16
9	1707.03	1707.03	23	0.17	0.17	39
10	1707.00	1707.02	20	0.17	0.17	52
11	1706.98	1707.00	-13	0.17	0.17	52
12	1706.96	1706.96	52	0.17	0.17	52
13	1706.94	1706.96	3	0.17	0.17	52
14	1706.92	1706.93	3	0.17	0.17	52
15	1706.89	1706.90	68	0.17	0.17	52
16	1706.91	1706.91	37	0.00	0.17	21
17	1706.91	1706.92	8	0.00	0.17	8
18	1706.92	1706.92	40	0.00	0.17	8
19	1706.94	1706.94	8	0.00	0.17	8
20	1706.94	1706.94	8	0.00	0.17	8
21	1706.93	1706.94	8	0.00	0.17	8
22	1706.94	1706.94	24	0.00	0.17	8
23	1706.97	1706.95	141	1.83	1.83	76
24	1706.99	1706.99	160	0.42	0.42	144
25	1707.00	1707.00	26	0.42	0.42	42
26	1706.97	1706.99	10	0.42	0.42	42
27	1706.99	1706.97	107	0.42	0.42	42
28	1707.00	1707.01	10	0.42	0.42	42
29	1706.98	1706.99	10	0.42	0.42	42
30	1706.97	1706.97	26	0.42	0.42	42

AVERAGE 37 34

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: October 2, 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 25	761.85	28.49	12 AM - Mid	2,450	5,280	7,730
Sunday 26	761.95	28.59	12 AM - Mid	2,560	4,550	7,110
Monday 27	761.96	28.60	12 AM - Mid	2,490	3,570	6,060
Tuesday 28	761.91	28.55	12 AM - Mid	2,570	3,040	5,610
Wednesday 29	761.77	28.40	12 AM - Mid	4,010	2,780	6,790
Thursday 30	761.60	28.22	12 AM - Mid	3,970	2,400	6,370
Friday 1	761.30	27.90	12 AM - Mid	3,150	2,230	5,380
Saturday 2	761.12	27.70	12 AM - Mid	4,090	1,920	6,010
CHANGE IN STORAGE DURING THE WEEK		-0.78	* SACANDAGA RIVER AT STEWARTS BRIDGE INCLUDES 350 CFS MINIMUM CONTINUOUS RELEASE			

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2021	761.12	27.70	6	2018	758.52	25.00
2	2017	760.10	26.63	7	2012	758.35	24.82
3	2014	759.58	26.09	8	2015	757.68	24.14
4	2019	759.41	25.92	9	2016	755.97	22.43
5	2013	759.18	25.68	10	2020	755.36	21.82

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: October 9, 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 2	761.12	27.70	12 AM - Mid	4,090	1,920	6,010
Sunday 3	760.88	27.45	12 AM - Mid	4,090	1,880	5,970
Monday 4	760.56	27.11	12 AM - Mid	4,010	1,700	5,710
Tuesday 5	760.56	27.11	12 AM - Mid	3,990	1,790	5,780
Wednesday 6	760.63	27.19	12 AM - Mid	3,990	1,950	5,940
Thursday 7	760.60	27.16	12 AM - Mid	4,000	1,770	5,770
Friday 8	760.49	27.04	12 AM - Mid	4,070	1,710	5,780
Saturday 9	760.30	26.84	12 AM - Mid	4,060	1,500	5,560
CHANGE IN STORAGE DURING THE WEEK		-0.86	* 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	760.30	26.84	6	2018	758.93	25.42
2	2019	759.50	26.01	7	2012	758.18	24.65
3	2017	759.40	25.91	8	2015	757.84	24.30
4	2014	759.14	25.64	9	2016	755.17	21.63
5	2013	759.01	25.50	10	2020	754.70	21.18

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  
**SACANDAGA RESERVOIR OPERATION**  
 FOR WEEK ENDING: October 16, 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 9	760.30	26.84	12 AM - Mid	4,060	1,500	5,560
Sunday 10	760.11	26.64	12 AM - Mid	4,060	1,460	5,520
Monday 11	759.87	26.39	12 AM - Mid	4,010	1,360	5,370
Tuesday 12	759.70	26.22	12 AM - Mid	1,330	1,250	2,580
Wednesday 13	759.63	26.14	12 AM - Mid	1,310	1,160	2,470
Thursday 14	759.63	26.14	12 AM - Mid	1,320	1,170	2,490
Friday 15	759.62	26.13	12 AM - Mid	2,520	1,160	3,680
Saturday 16	759.53	26.04	12 AM - Mid	3,020	1,420	4,440
CHANGE IN STORAGE DURING THE WEEK		-0.80	* 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	759.53	26.04	6	2013	758.53	25.01
2	2018	759.43	25.94	7	2012	758.10	24.56
3	2017	759.03	25.52	8	2015	757.80	24.26
4	2019	758.94	25.43	9	2016	754.26	20.75
5	2014	758.63	25.11	10	2020	754.00	20.50

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: October 23, 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 16	759.53	26.04	12 AM - Mid	3,020	1,420	4,440
Sunday 17	759.59	26.10	12 AM - Mid	3,010	2,350	5,360
Monday 18	759.74	26.26	12 AM - Mid	3,060	2,600	5,660
Tuesday 19	759.83	26.35	12 AM - Mid	1,390	2,580	3,970
Wednesday 20	759.77	26.29	12 AM - Mid	1,400	2,360	3,760
Thursday 21	759.81	26.32	12 AM - Mid	4,030	2,110	6,140
Friday 22	759.65	26.17	12 AM - Mid	4,040	2,030	6,070
Saturday 23	759.45	25.96	12 AM - Mid	4,040	2,020	6,060
CHANGE IN STORAGE DURING THE WEEK		-0.08	* 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	761.28	27.88	6	2017	758.41	24.88
2	2012	760.84	27.41	7	2013	758.15	24.62
3	2021	759.45	25.96	8	2015	757.41	23.87
4	2018	759.06	25.55	9	2016	753.96	20.46
5	2014	758.48	24.96	10	2020	753.45	19.97

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: October 2, 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 25	1,643.09	2.29	12 AM - Mid	421	1,020	3,400
Sunday 26	1,643.04	2.29	12 AM - Mid	418	770	2,590
Monday 27	1,642.92	2.27	12 AM - Mid	273	578	1,890
Tuesday 28	1,642.92	2.27	12 AM - Mid	194	522	1,720
Wednesday 29	1,642.89	2.26	12 AM - Mid	194	459	1,390
Thursday 30	1,642.83	2.25	12 AM - Mid	194	389	1,290
Friday 1	1,642.78	2.24	12 AM - Mid	192	335	1,060
Saturday 2	1,642.72	2.23	12 AM - Mid	192	287	1,040
CHANGE IN STORAGE DURING THE WEEK		-0.06	* 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	2018	1,646.31	2.84	6	2013	1,643.39	2.34
2	2017	1,644.65	2.55	7	2021	1,642.72	2.23
3	2020	1,644.64	2.55	8	2014	1,642.52	2.20
4	2019	1,644.56	2.54	9	2012	1,642.21	2.15
5	2015	1,643.51	2.36	10	2016	1,641.87	2.10

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: October 9, 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 2	1,642.72	2.23	12 AM - Mid	192	287	1,040
Sunday 3	1,642.68	2.23	12 AM - Mid	191	257	909
Monday 4	1,642.62	2.22	12 AM - Mid	191	244	629
Tuesday 5	1,642.61	2.22	12 AM - Mid	191	232	890
Wednesday 6	1,642.64	2.22	12 AM - Mid	191	219	877
Thursday 7	1,642.67	2.23	12 AM - Mid	191	206	931
Friday 8	1,642.65	2.22	12 AM - Mid	191	190	759
Saturday 9	1,642.65	2.22	12 AM - Mid	191	174	804

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	2018	1,646.15	2.81	6	2013	1,643.10	2.30
2	2019	1,644.79	2.58	7	2021	1,642.65	2.22
3	2020	1,644.33	2.50	8	2014	1,642.36	2.18
4	2017	1,644.22	2.48	9	2012	1,642.03	2.12
5	2015	1,643.32	2.33	10	2016	1,641.23	2.00

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: October 16, 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 9	1,642.61	2.22	12 AM - Mid	191	174	804
Sunday 10	1,642.55	2.21	12 AM - Mid	191	160	718
Monday 11	1,642.48	2.20	12 AM - Mid	191	151	666
Tuesday 12	1,642.45	2.19	12 AM - Mid	190	142	550
Wednesday 13	1,642.37	2.18	12 AM - Mid	190	134	590
Thursday 14	1,642.27	2.16	12 AM - Mid	189	128	591
Friday 15	1,642.20	2.15	12 AM - Mid	151	125	582
Saturday 16	1,642.10	2.13	12 AM - Mid	135	144	636
CHANGE IN STORAGE DURING THE WEEK		-0.08	* 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	2018	1,646.14	2.81	6	2013	1,642.73	2.24
2	2019	1,644.18	2.47	7	2012	1,642.11	2.14
3	2020	1,644.09	2.46	8	2021	1,642.10	2.13
4	2017	1,644.03	2.45	9	2014	1,642.04	2.13
5	2015	1,643.16	2.30	10	2016	1,640.57	1.89

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: October 23, 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 16	1,642.19	2.15	12 AM - Mid	135	144	636
Sunday 17	1,642.26	2.16	12 AM - Mid	134	308	1,040
Monday 18	1,642.30	2.17	12 AM - Mid	133	432	1,360
Tuesday 19	1,642.34	2.17	12 AM - Mid	132	393	1,360
Wednesday 20	1,642.34	2.17	12 AM - Mid	132	340	1,190
Thursday 21	1,642.38	2.18	12 AM - Mid	132	299	1,050
Friday 22	1,642.44	2.19	12 AM - Mid	132	288	1,020
Saturday 23	1,642.43	2.19	12 AM - Mid	132	307	1,050

CHANGE IN STORAGE DURING THE WEEK	0.04	* 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	1,645.98	2.78	6	2015	1,642.82	2.25
2	2018	1,645.56	2.71	7	2013	1,642.59	2.21
3	2020	1,644.00	2.44	8	2021	1,642.43	2.19
4	2012	1,643.72	2.40	9	2014	1,642.25	2.16
5	2017	1,643.54	2.37	10	2016	1,641.03	1.96

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: [October 2, 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 25	1,674.46	3.53	12 AM -Mid	600	674	3,250
Sunday 26	1,674.29	3.49	12 AM -Mid	600	689	3,800
Monday 27	1,674.14	3.45	12 AM -Mid	600	654	3,200
Tuesday 28	1,674.04	3.43	12 AM -Mid	600	658	3,010
Wednesday 29	1,673.91	3.40	12 AM -Mid	600	761	3,290
Thursday 30	1,673.75	3.36	12 AM -Mid	600	651	3,140
Friday 1	1,673.58	3.32	12 AM -Mid	600	661	2,670
Saturday 2	1,673.41	3.28	12 AM -Mid	600	680	2,560
CHANGE IN STORAGE DURING THE WEEK		-0.24				

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2021	1,673.41	3.28	6	2014	1,669.14	2.41
2	2019	1,671.61	2.89	7	2013	1,668.44	2.29
3	2015	1,670.97	2.75	8	2012	1,667.10	2.07
4	2017	1,670.63	2.68	9	2020	1,666.12	1.91
5	2016	1,669.34	2.44	10	2018	1,665.74	1.85

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: [October 9, 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 2	1,673.41	3.28	12 AM -Mid	600	680	2,560
Sunday 3	1,673.25	3.25	12 AM -Mid	600	737	2,310
Monday 4	1,673.12	3.22	12 AM -Mid	600	692	2,300
Tuesday 5	1,672.95	3.18	12 AM -Mid	600	538	2,320
Wednesday 6	1,672.78	3.14	12 AM -Mid	600	738	2,530
Thursday 7	1,672.61	3.10	12 AM -Mid	600	653	2,940
Friday 8	1,672.43	3.06	12 AM -Mid	600	664	2,580
Saturday 9	1,672.24	3.02	12 AM -Mid	600	649	2,290

CHANGE IN STORAGE DURING THE WEEK	-0.26
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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	1,672.24	3.02	6	2016	1,668.37	2.28
2	2019	1,671.86	2.94	7	2013	1,667.80	2.18
3	2015	1,670.58	2.67	8	2012	1,666.73	2.01
4	2017	1,670.01	2.56	9	2018	1,665.51	1.81
5	2014	1,668.71	2.34	10	2020	1,665.33	1.78

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: **October 16, 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 9	1,672.24	3.02	12 AM -Mid	600	649	2,290
Sunday 10	1,672.05	2.98	12 AM -Mid	600	570	1,950
Monday 11	1,671.85	2.94	12 AM -Mid	600	711	2,020
Tuesday 12	1,671.65	2.90	12 AM -Mid	600	687	2,160
Wednesday 13	1,671.46	2.86	12 AM -Mid	600	631	2,050
Thursday 14	1,671.26	2.81	12 AM -Mid	600	653	1,850
Friday 15	1,671.07	2.77	12 AM -Mid	600	666	1,880
Saturday 16	1,670.92	2.74	12 AM -Mid	600	771	2,230

CHANGE IN STORAGE DURING THE WEEK

-0.28

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	1,671.29	2.82	6	2016	1,667.23	2.09
2	2021	1,670.92	2.74	7	2013	1,667.09	2.07
3	2015	1,670.42	2.64	8	2018	1,666.92	2.04
4	2017	1,669.94	2.54	9	2012	1,666.69	2.00
5	2014	1,668.59	2.32	10	2020	1,664.61	1.66

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  
**STILLWATER RESERVOIR OPERATION**  
FOR WEEK ENDING: **October 23, 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 16	1,670.92	2.74	12 AM -Mid	600	771	2,230
Sunday 17	1,671.06	2.77	12 AM -Mid	600	872	4,580
Monday 18	1,671.27	2.81	12 AM -Mid	600	1,080	6,410
Tuesday 19	1,671.29	2.82	12 AM -Mid	600	866	7,230
Wednesday 20	1,671.23	2.81	12 AM -Mid	600	860	7,480
Thursday 21	1,671.16	2.79	12 AM -Mid	600	709	7,020
Friday 22	1,671.07	2.77	12 AM -Mid	600	819	6,100
Saturday 23	1,671.06	2.77	12 AM -Mid	600	950	5,870

CHANGE IN STORAGE DURING THE WEEK	0.03	
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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	1,672.77	3.14	6	2016	1,668.06	2.23
2	2021	1,671.06	2.77	7	2012	1,667.30	2.10
3	2015	1,670.56	2.67	8	2018	1,667.11	2.07
4	2014	1,670.11	2.57	9	2013	1,666.67	2.00
5	2017	1,669.40	2.45	10	2020	1,664.60	1.66

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: **October 2, 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 25	1,707.00	0.926	42	1,786.05	0.304	20
Sunday 26	1,706.99	0.924	42	1,786.04	0.303	20
Monday 27	1,706.97	0.922	42	1,786.02	0.303	20
Tuesday 28	1,707.01	0.927	42	1,786.02	0.303	20
Wednesday 29	1,706.99	0.924	42	1,786.00	0.302	20
Thursday 30	1,706.97	0.922	42	1,785.07	0.272	20
Friday 1	1,706.96	0.920	42	1,785.95	0.300	19
Saturday 2	1,706.94	0.917	42	1,785.91	0.299	19
CHANGE IN STORAGE		-0.008			-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	2019	1,707.06	0.933	1	2019	1,786.14	0.307
2	2021	1,706.94	0.917	2	2017	1,785.97	0.301
3	2018	1,706.94	0.916	3	2020	1,785.92	0.299
4	2020	1,706.89	0.909	4	2021	1,785.91	0.299
5	2017	1,706.85	0.904	5	2018	1,785.79	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: **October 9, 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 2	1,706.94	0.917	42	1,785.91	0.299	19
Sunday 3	1,706.93	0.916	42	1,785.89	0.299	19
Monday 4	1,706.96	0.920	42	1,785.90	0.299	19
Tuesday 5	1,706.97	0.922	42	1,785.90	0.299	19
Wednesday 6	1,706.96	0.920	42	1,785.90	0.299	19
Thursday 7	1,706.95	0.919	42	1,785.89	0.299	19
Friday 8	1,706.94	0.917	42	1,785.88	0.298	19
Saturday 9	1,706.94	0.917	42	1,785.86	0.298	19
CHANGE IN STORAGE		0.000			-0.002	

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	2019	1,707.16	0.947	1	2018	1,786.04	0.303
2	2017	1,707.00	0.926	2	2017	1,786.03	0.303
3	2018	1,706.96	0.920	3	2020	1,785.96	0.301
4	2021	1,706.94	0.917	4	2021	1,785.86	0.298
5	2020	1,706.92	0.913	5	2019	1,785.74	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: October 16, 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 9	1,706.94	0.917	42	1,785.86	0.298	19
Sunday 10	1,706.91	0.913	42	1,785.84	0.297	19
Monday 11	1,706.90	0.912	42	1,785.82	0.296	19
Tuesday 12	1,706.88	0.909	42	1,785.80	0.296	19
Wednesday 13	1,706.86	0.905	42	1,785.77	0.295	19
Thursday 14	1,706.85	0.904	194	1,785.75	0.294	41
Friday 15	1,706.78	0.895	343	1,785.69	0.292	52
Saturday 16	1,706.63	0.876	338	1,785.63	0.290	52
CHANGE IN STORAGE		-0.042			-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	2020	1,706.72	0.888	1	2020	1,785.99	0.302
2	2019	1,706.71	0.886	2	2019	1,785.64	0.291
3	2021	1,706.63	0.876	3	2021	1,785.63	0.290
4	2018	1,706.38	0.841	4	2018	1,785.25	0.278
5	2017	1,706.09	0.801	5	2017	1,785.16	0.275

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: [October 23, 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 16	1,706.63	0.876	338	1,785.63	0.290	52
Sunday 17	1,706.66	0.878	341	1,785.79	0.295	53
Monday 18	1,706.59	0.869	337	1,785.88	0.298	53
Tuesday 19	1,706.45	0.851	331	1,785.87	0.298	53
Wednesday 20	1,706.29	0.829	325	1,785.82	0.296	67
Thursday 21	1,706.16	0.812	320	1,785.72	0.293	83
Friday 22	1,706.04	0.795	235	1,785.61	0.290	82
Saturday 23	1,706.00	0.790	184	1,785.51	0.286	82
CHANGE IN STORAGE		-0.085			-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	2019	1,707.27	0.962	1	2021	1,785.51	0.286
2	2020	1,706.47	0.854	2	2020	1,785.24	0.278
3	2018	1,706.18	0.813	3	2018	1,784.97	0.269
4	2017	1,706.06	0.797	4	2017	1,784.93	0.268
5	2021	1,706.00	0.790	5	2019	1,784.77	0.263

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