

REPORT OF CHIEF ENGINEER
HUDSON RIVER - BLACK RIVER REGULATING DISTRICT
BOARD MEETING
OCTOBER 14, 2020 – MAYFIELD

HUDSON RIVER AREA - SEPTEMBER SUMMARY

Reservoir Operation

Great Sacandaga Lake

The September average daily release from the Sacandaga Reservoir (Great Sacandaga Lake) was approximately 1,540 cubic feet per second (cfs). The Upper Hudson / Sacandaga River Offer of Settlement target elevation for September 30 is 760.25 feet (ft). The release of water from Great Sacandaga Lake was consistent with the Upper Hudson/Sacandaga River Offer of Settlement.

Table 1.0 - *Great Sacandaga Lake Elevation and Release*

Date	Daily Average Elevation (ft,NAVD) ⁽⁴⁾	Deviation (ft) (1)		Release (cfs)	
		From Average	From Offer of Settlement	Conklingville Dam	E.J. West (2) Hydro Plant
Aug. 31	759.17	+0.16	-3.30	0	1,480
Sept. 30	755.4 (e)	-0.9 (e)	-4.9 (e)	0	1,500 (e)

- Notes: (1) Difference between current reservoir elevation and historic average or Level 3
(2) Release established by Regulating District
(3) "(e)" represents estimated value
(4) "NAVD" is North American Vertical Datum

Indian Lake Reservoir

The September average daily release from Indian Lake was approximately 144 cfs.

Table 2.0 - *Indian Lake Reservoir Elevation and Release*

Date	Daily Average Elevation (1) (ft, NAVD)	Deviation (ft)		Release (cfs)
		From Average	From Target	
Aug. 31	1,646.39	+0.42	-0.31	148
Sept. 30	1,644.6 (e)	+0.4 (e)	-1.6 (e)	141 (e)

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

HUDSON RIVER AREA - SEPTEMBER SUMMARY- continued

River Flow

Hudson River flow, downstream of the confluence with the Sacandaga River, was approximately 1,850 cfs on September 29 and approximately 1,720 cfs below the historic average flow.

Table 3.0 - *Sacandaga, Indian, and Hudson River Flow*

River	Monthly Average Flow (cfs)	Historic Average Flow (2) (cfs)
Sacandaga at Hope	54 (e)	378
Sacandaga at Stewarts Bridge	1,540 (e)	1,830
Indian at Indian Lake Dam	144 (e)	330
Hudson at Hadley (1)	450 (e)	1,340

- Notes: (1) Above confluence with Sacandaga River
 (2) Based on USGS records
 (3) "(e)" represents estimated value
 (4) Gauge unavailable due to ice

Precipitation

Monthly total precipitation measured 80%, 51%, and 84% historic average at Indian Lake, Mayfield, and Conklingville, respectively, as of September 29

Table 4.0 - *Hudson River Basin Precipitation - as of September 29*

Station	Monthly Total (inch)	Historic Average (inch)
Indian Lake	3.02	3.79
Mayfield	2.05	4.05
Conklingville	3.08	3.65

HUDSON RIVER AREA - SEPTEMBER SUMMARY- continued

Operation Overview

Precipitation during the month of September was below average across the Great Sacandaga Lake watershed and below average in Indian Lake watershed. The monthly inflow to Great Sacandaga Lake and Indian Lake reservoir was approximately 16% and 19% of historic average, respectively. Monthly release of water from Great Sacandaga Lake and Indian Lake measured 85% and 58% of historic average, respectively.

Great Sacandaga Lake Operation

Great Sacandaga Lake operation summary report for the period September 1, 2020 through September 27, 2020 is attached. This report includes projected and forecast values for dates after September 27, 2020.

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 – SEPTEMBER SUMMARY

Reservoir Operations

Stillwater Reservoir

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

Table 1.0 - *Stillwater Reservoir Elevation and Release*

Date	Daily Average Elevation (ft, NAVD)	Deviation from Average Elevation (ft) (1)	Release (cfs)
Aug. 31	1,670.05	-2.54	342
Sept. 30	1,666.3 (e)	-3.7 (e)	300 (e)

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

Sixth Lake Reservoir

The September average daily release from Sixth Lake Reservoir was approximately 3 cfs.

Table 2.0 - *Sixth Lake Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
Aug. 31	1,785.82	+0.06	3
Sept. 30	1,785.9 (e)	+0.7 (e)	3 (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 September average daily release from Old Forge Reservoir was approximately 16 cfs.

Table 3.0 - *Old Forge Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
Aug. 31	1706.97	+0.03	4
Sept. 30	1,707.0 (e)	+0.4 (e)	243 (e)

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

BLACK RIVER AREA - SEPTEMBER SUMMARY - continued

River Flow

The average daily Black River flow, as measured at the Watertown gauge, was approximately 734 cfs on September 27.

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

River	Monthly Average Flow (cfs)	Historic Average Flow (1) (cfs)
Moose at McKeever	98 (e)	429
Beaver at Croghan	330 (e)	510
Black at Watertown	880 (e)	2,160

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

Precipitation

Monthly total precipitation measured 52%, 58%, 69% of historic average at Stillwater, Old Forge, and Sixth Lake, respectively, as of September 28.

Table 5.0 - *Black River Basin Precipitation - as of September 28*

Station	Monthly Total (inch)	Historic Average (inch)
Stillwater	2.50	4.84
Old Forge	2.71	4.66
Sixth Lake	2.79	4.07

BLACK RIVER AREA - SEPTEMBER SUMMARY - continued

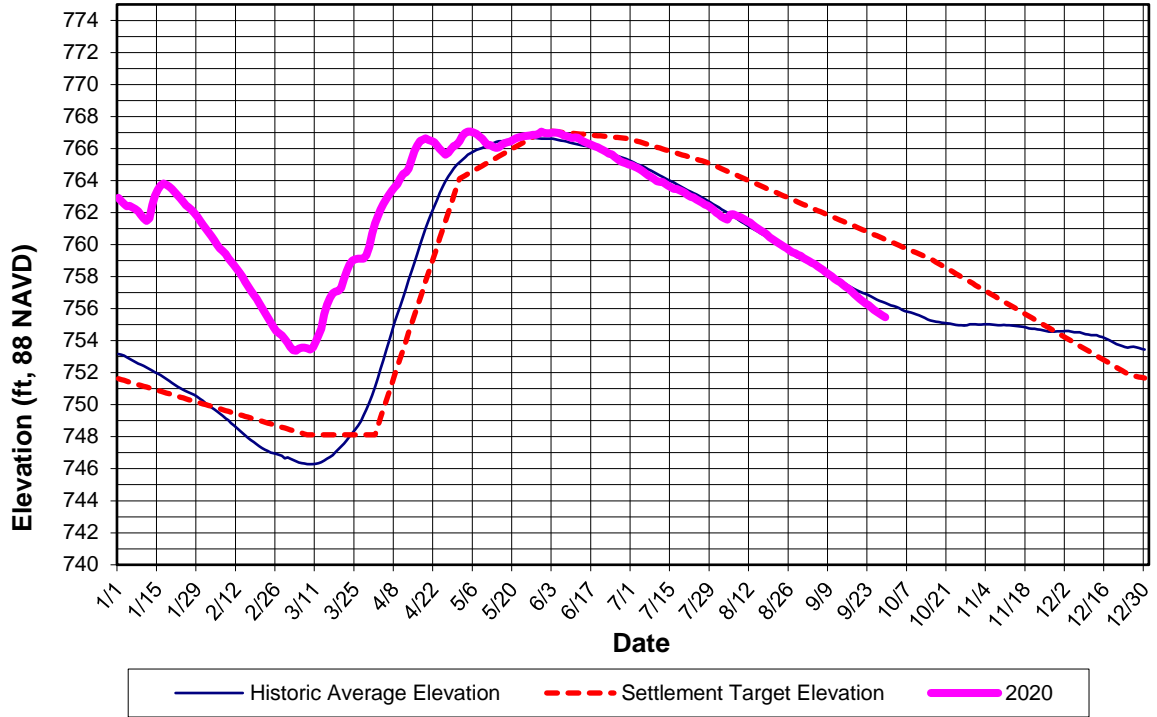
Operation Overview

Precipitation in the month of September was below average at Stillwater, Old Forge and Sixth Lake. The monthly inflow to Stillwater Reservoir was approximately 28% of historic average. The inflow to Sixth Lake and Old Forge Reservoir totaled 0.01 and 0.03 billion cubic feet, respectively, in September. Release of water from Stillwater Reservoir averaged 75% of historic discharge.

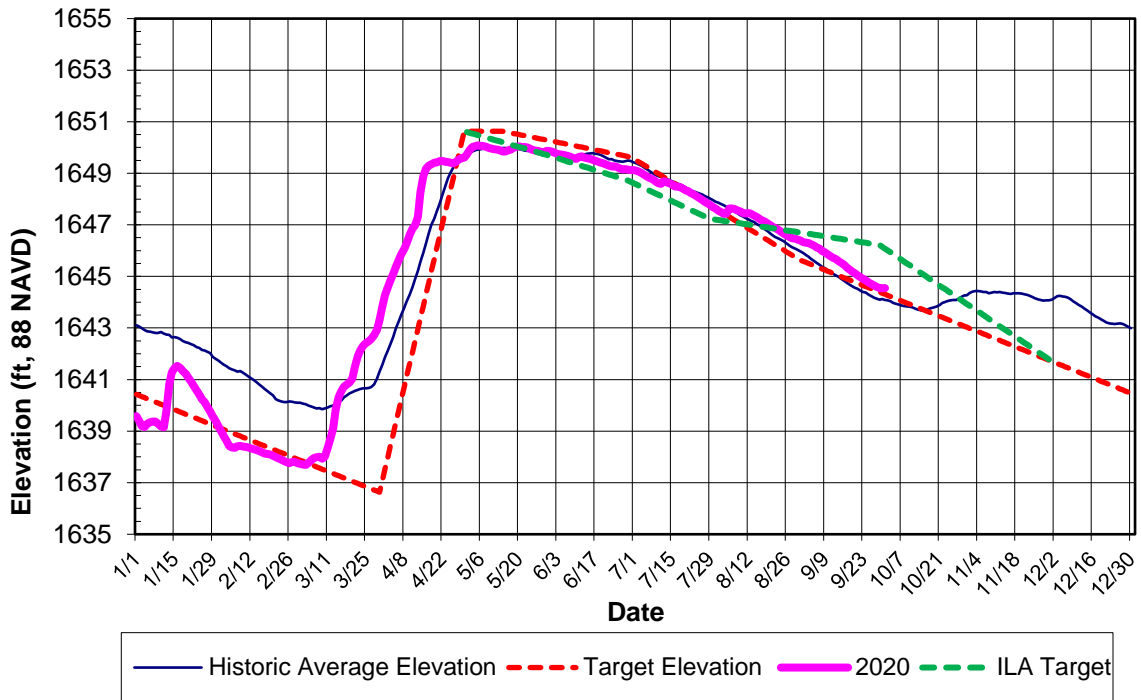
Black River Area Staff Activities

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

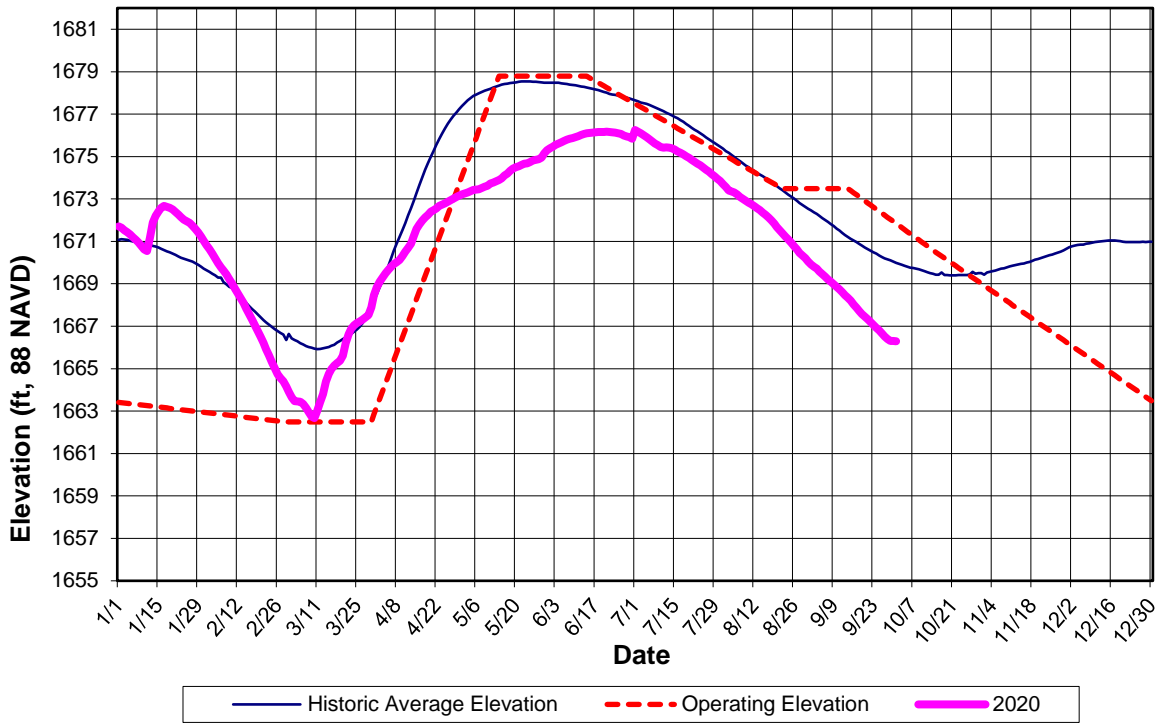
Great Sacandaga Lake 2020 Reservoir Elevation



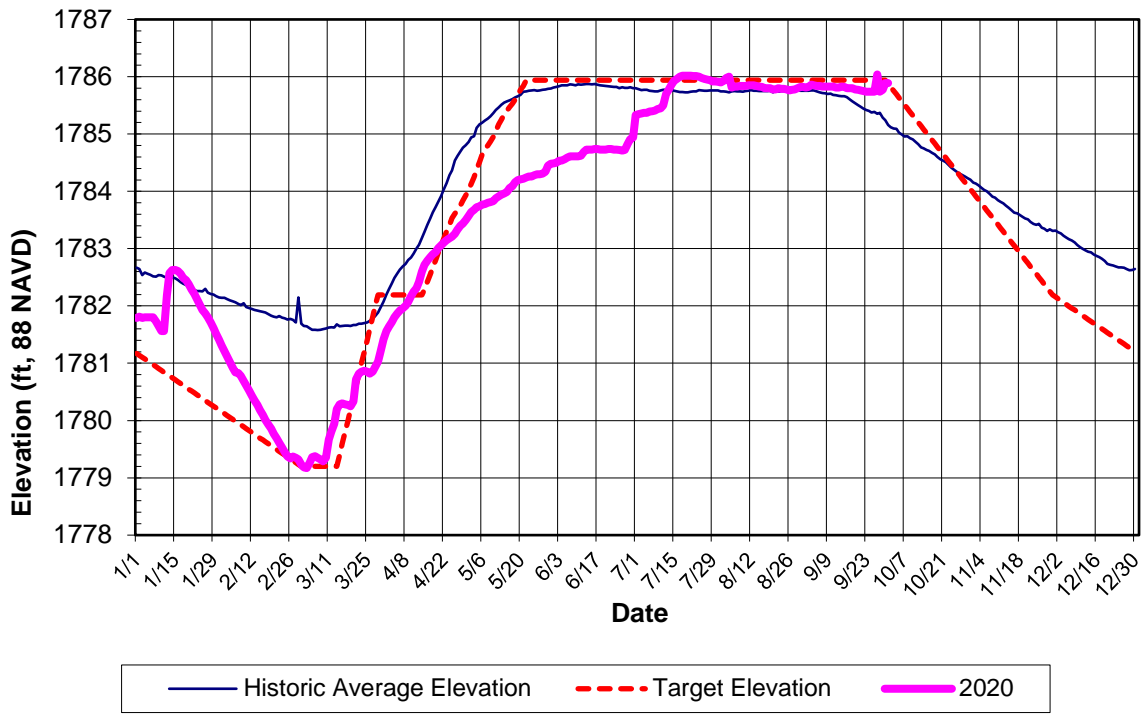
Indian Lake 2020 Reservoir Elevation



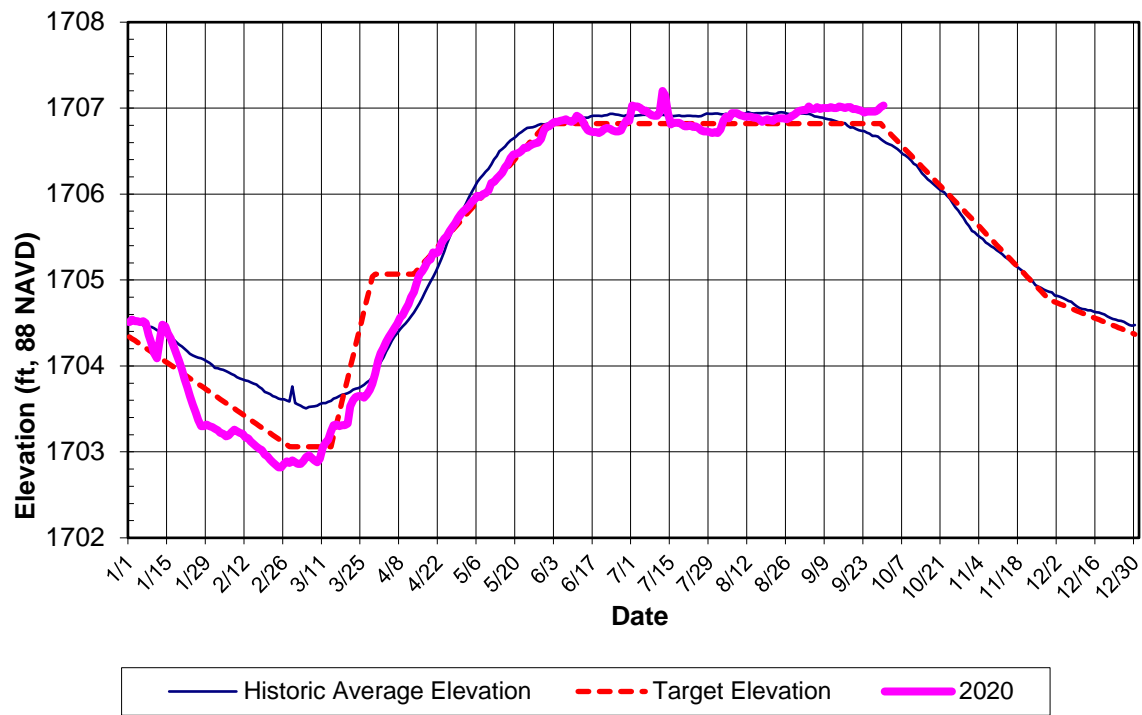
Stillwater Reservoir 2020 Reservoir Elevation



Sixth Lake 2020 Reservoir Elevation



Old Forge 2020 Reservoir Elevation



SACANDAGA RESERVOIR ELEVATION CALCULATOR

Datum:

1988 NAVD

Settlement Parameters		
Date	9/30/2020	
Target Elevation	760.25	
Actual "Level"	1.98	
"Level 2.5 threshold"	757.41	
"Level 1.2 threshold"	747.41	
Hudson River Target	Elevation	Level
Maximum Flow (cfs)	8000	6980
Minimum Flow (cfs)	n/a	1760
Min. Rec/Rafting Hours (hrs)	0	

Rafting Release at Abanakee
North Crk T, Th, Sa, Su.
Hadley M, W, F, Su.

BROOKFIELD HYDRO CONTROL CENTER: 877-816-7466

Whitewater (hrs)	Daily Avg (cfs)
3	806
4	958
5	1110
6	1263
7	1415
8	1567

* 4000 cfs/hr + base flow 350 cfs

Daily Conditions	
Date	9/30/2020
Day of Year	5022
Starting Elevation (ft)	755.35
Average Elevation	755.42
Flow Below Hadley (cfs)	1920
Todays Release	1520
Tomorrows Release	1500

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				Minimum (Table C - Level)	Maximum (Table D - Elev.)	Maximum (Table E - Level)						
9/1/2020	759.11	200	1460	0	0	1460	4000	2.20	475	1935	1760	8000	7200	759.00	9/2/2020	759.06	762.43	758.80
9/2/2020	759.00	700	1520	0	0	1520	4000	2.19	624	2144	1760	8000	7180	758.93	9/3/2020	758.97	762.35	758.70
9/3/2020	758.93	200	1480	0	0	1480	4000	2.17	513	1993	1760	8000	7170	758.82	9/4/2020	758.88	762.27	758.61
9/4/2020	758.82	100	1510	0	0	1510	4000	2.16	640	2150	1760	8000	7150	758.70	9/5/2020	758.76	762.20	758.52
9/5/2020	758.70	100	1490	0	0	1490	4000	2.14	592	2082	1760	8000	7140	758.58	9/6/2020	758.64	762.12	758.42
9/6/2020	758.58	-100	1500	0	0	1500	4000	2.13	725	2225	1760	8000	7120	758.44	9/7/2020	758.51	762.05	758.33
9/7/2020	758.44	200	1480	0	0	1480	4000	2.11	625	2105	1760	8000	7110	758.33	9/8/2020	758.39	761.97	758.22
9/8/2020	758.33	-100	1480	0	0	1480	4000	2.10	553	2033	1760	8000	7100	758.19	9/9/2020	758.26	761.90	758.12
9/9/2020	758.19	-100	1490	0	0	1490	4000	2.09	494	1984	1760	8000	7080	758.05	9/10/2020	758.12	761.82	758.02
9/10/2020	758.05	-400	1510	0	0	1510	4000	2.07	412	1922	1760	8000	7070	757.88	9/11/2020	757.97	761.75	757.91
9/11/2020	757.88	600	1530	0	0	1530	4000	2.06	494	2024	1760	8000	7050	757.80	9/12/2020	757.84	761.67	757.79
9/12/2020	757.80	100	1520	0	0	1520	4000	2.04	371	1891	1760	8000	7040	757.67	9/13/2020	757.74	761.60	757.68
9/13/2020	757.67	700	1500	0	0	1500	4000	2.03	448	1948	1760	8000	7020	757.60	9/14/2020	757.64	761.52	757.60
9/14/2020	757.60	-300	1520	0	0	1520	4000	2.01	426	1946	1760	8000	7010	757.44	9/15/2020	757.52	761.45	757.50
9/15/2020	757.44	0	1500	0	0	1500	4000	1.98	340	1840	1760	8000	6980	757.31	9/16/2020	757.38	761.37	757.38
9/16/2020	757.31	0	1650	0	0	1650	4000	1.97	409	2059	1760	8000	6970	757.16	9/17/2020	757.24	761.30	757.28
9/17/2020	757.16	-100	1670	0	0	1670	4000	1.97	354	2024	1760	8000	6960	757.00	9/18/2020	757.08	761.22	757.18
9/18/2020	757.00	-400	1680	0	0	1680	4000	1.96	424	2104	1760	8000	6950	756.82	9/19/2020	756.91	761.15	757.10
9/19/2020	756.82	-100	1690	0	0	1690	4000	1.95	335	2025	1760	8000	6950	756.66	9/20/2020	756.74	761.07	757.03
9/20/2020	756.66	100	1690	0	0	1690	4000	1.94	400	2090	1760	8000	6940	756.52	9/21/2020	756.59	761.00	756.95
9/21/2020	756.52	200	1630	0	0	1630	4000	1.94	382	2012	1760	8000	6930	756.39	9/22/2020	756.46	760.92	756.88
9/22/2020	756.39	400	1590	0	0	1590	4000	1.93	314	1904	1760	8000	6930	756.28	9/23/2020	756.34	760.85	756.81
9/23/2020	756.28	0	1510	0	0	1510	4000	1.93	348	1858	1760	8000	6920	756.14	9/24/2020	756.21	760.77	756.72
9/24/2020	756.14	0	1530	0	0	1530	4000	1.92	325	1855	1760	8000	6920	756.00	9/25/2020	756.07	760.70	756.62
9/25/2020	756.00	100	1510	0	0	1510	4000	1.92	363	1873	1760	8000	6910	755.87	9/26/2020	755.94	760.62	756.53
9/26/2020	755.87	200	1520	0	0	1520	4000	1.91	317	1837	1760	8000	6910	755.75	9/27/2020	755.81	760.55	756.45
9/27/2020	755.75	100	1530	0	0	1530	4000	1.91	362	1892	1760	8000	6900	755.62	9/28/2020	755.69	760.47	756.38
9/28/2020	755.62	100	1540	0	0	1540	4000	1.90	385	1925	1760	8000	6900	755.49	9/29/2020	755.56	760.40	756.32
9/29/2020	755.49	0	1520	0	0	1520	4000	1.90	332	1852	1760	8000	6900	755.35	9/30/2020	755.42	760.32	756.24
9/30/2020	755.35	200	1500	0	0	1500	4000	1.90	420	1920	1760	8000	6900	755.23	10/1/2020	755.29	760.25	756.17
10/1/2020	755.23	200	1500	0	0	1500	4000	1.90	410	1910	1760	8000	6900	755.11	10/2/2020	755.17	760.17	756.13
10/2/2020	755.11	200	1500	0	0	1500	4000	1.90	400	1900	1760	8000	6900	754.99	10/3/2020		760.02	756.07
6/6/2020	767.29	500	2000	0	0	2000	5487	3.00	500	2500	2000	8000	7500	777.12	3/15/2019	#N/A	#N/A	

500

Signature: _____

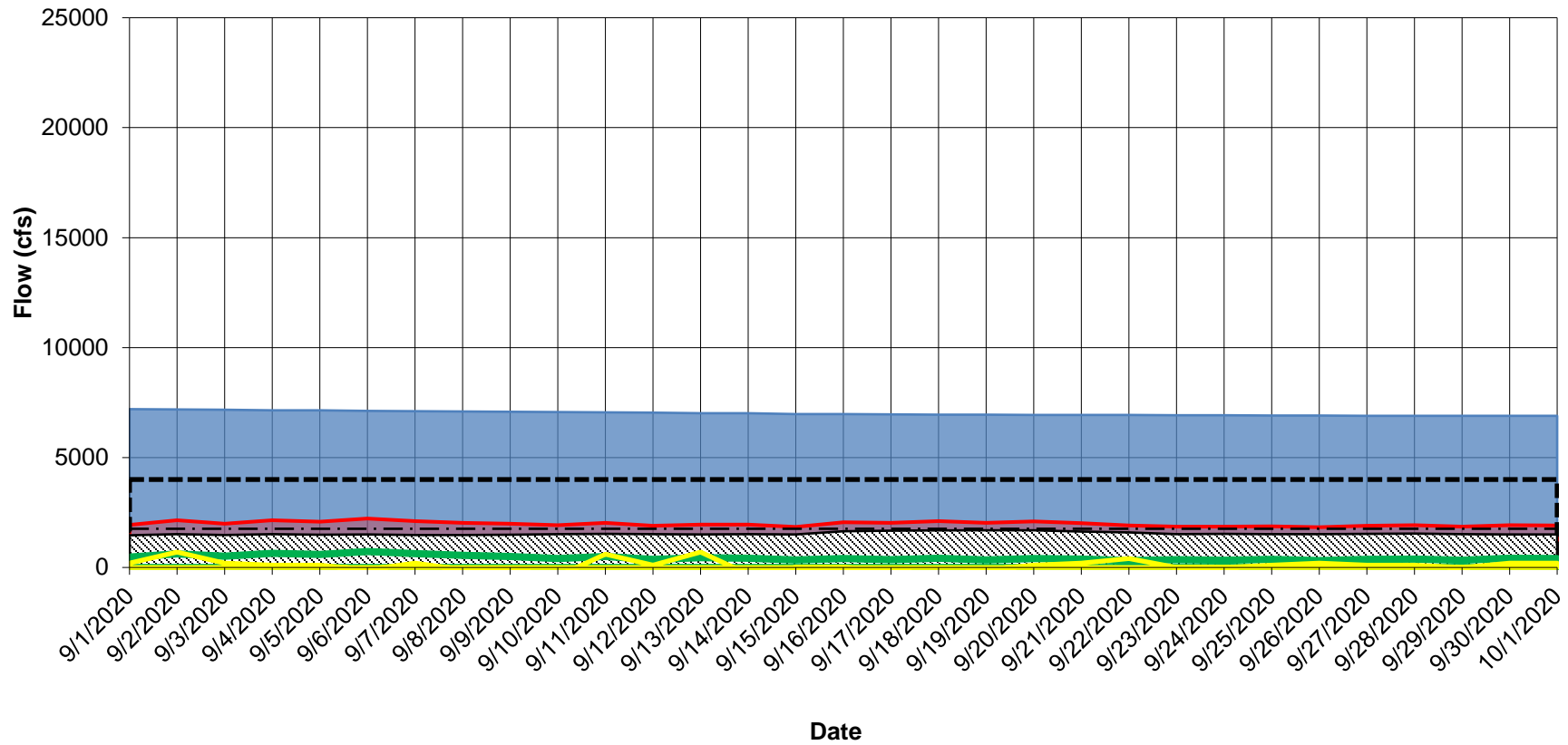
Date: _____

**GREAT SACANDAGA LAKE
RESERVOIR OPERATION SUMMARY**

Print Date: 9/30/2020
 Period of Record: 9/1/2020 to 9/29/2020

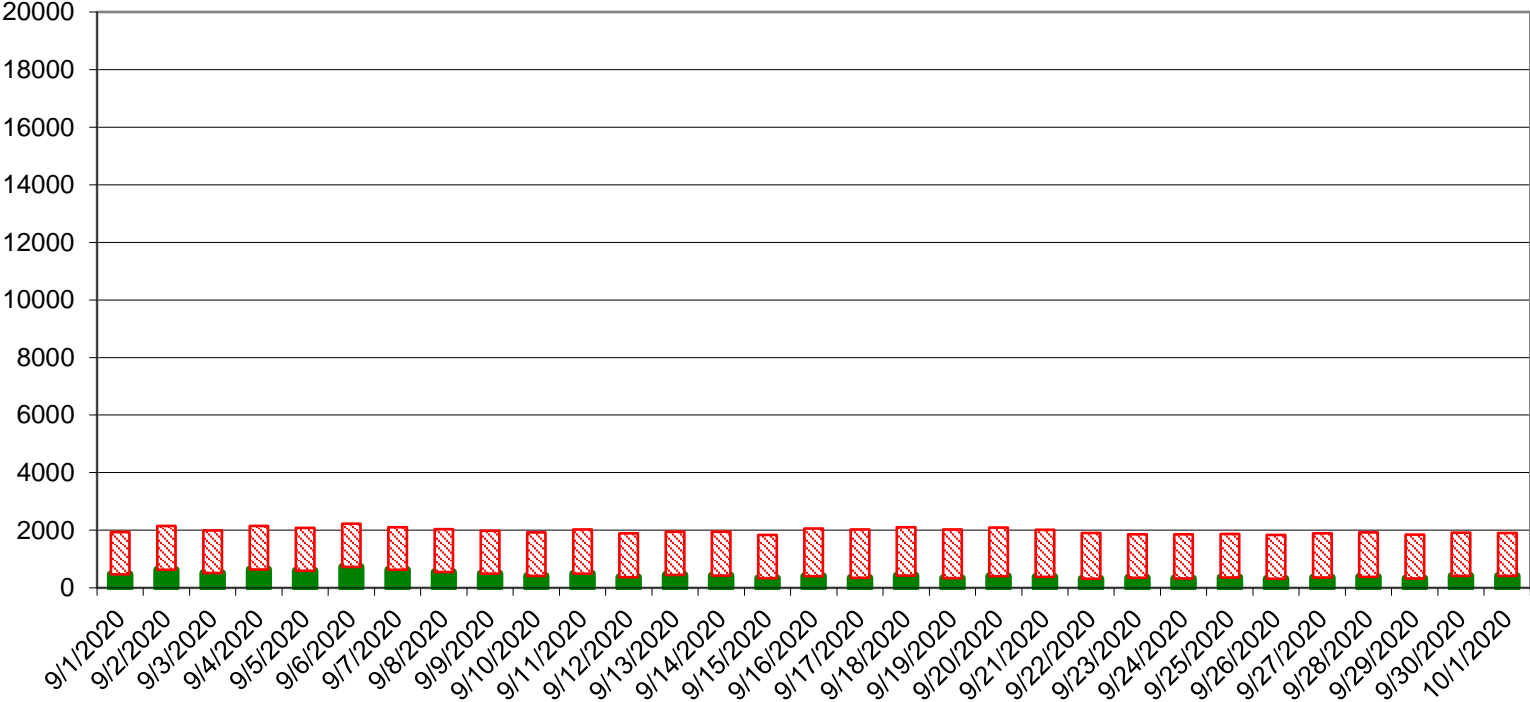
Starting Date 12:00 AM	Daily Avg. Elevation	Net Average Inflow	Sacandaga River Flow Average Release (Table F - Elev.)		Settlement Level	Hudson at Hadley	Hudson River Below Confluence	Hudson River Target Flow Minimum (Table B - Level) Maximum (Table D & E)		Maximum Allowable Sacandaga
9/1/2020	759.06	200	1460	4000	2.20	475	1935	1760	7200	4000
9/2/2020	758.97	700	1520	4000	2.19	624	2144	1760	7180	4000
9/3/2020	758.88	200	1480	4000	2.17	513	1993	1760	7170	4000
9/4/2020	758.76	100	1510	4000	2.16	640	2150	1760	7150	4000
9/5/2020	758.64	100	1490	4000	2.14	592	2082	1760	7140	4000
9/6/2020	758.51	-100	1500	4000	2.13	725	2225	1760	7120	4000
9/7/2020	758.39	200	1480	4000	2.11	625	2105	1760	7110	4000
9/8/2020	758.26	-100	1480	4000	2.10	553	2033	1760	7100	4000
9/9/2020	758.12	-100	1490	4000	2.09	494	1984	1760	7080	4000
9/10/2020	757.97	-400	1510	4000	2.07	412	1922	1760	7070	4000
9/11/2020	757.84	600	1530	4000	2.06	494	2024	1760	7050	4000
9/12/2020	757.74	100	1520	4000	2.04	371	1891	1760	7040	4000
9/13/2020	757.64	700	1500	4000	2.03	448	1948	1760	7020	4000
9/14/2020	757.52	-300	1520	4000	2.01	426	1946	1760	7010	4000
9/15/2020	757.38	0	1500	4000	1.98	340	1840	1760	6980	4000
9/16/2020	757.24	0	1650	4000	1.97	409	2059	1760	6970	4000
9/17/2020	757.08	-100	1670	4000	1.97	354	2024	1760	6960	4000
9/18/2020	756.91	-400	1680	4000	1.96	424	2104	1760	6950	4000
9/19/2020	756.74	-100	1690	4000	1.95	335	2025	1760	6950	4000
9/20/2020	756.59	100	1690	4000	1.94	400	2090	1760	6940	4000
9/21/2020	756.46	200	1630	4000	1.94	382	2012	1760	6930	4000
9/22/2020	756.34	400	1590	4000	1.93	314	1904	1760	6930	4000
9/23/2020	756.21	0	1510	4000	1.93	348	1858	1760	6920	4000
9/24/2020	756.07	0	1530	4000	1.92	325	1855	1760	6920	4000
9/25/2020	755.94	100	1510	4000	1.92	363	1873	1760	6910	4000
9/26/2020	755.81	200	1520	4000	1.91	317	1837	1760	6910	4000
9/27/2020	755.69	100	1530	4000	1.91	362	1892	1760	6900	4000
9/28/2020	755.56	100	1540	4000	1.90	385	1925	1760	6900	4000
9/29/2020	755.42	0	1520	4000	1.90	332	1852	1760	6900	4000
9/30/2020	755.29	200	1500	4000	1.90	420	1920	1760	6900	4000
10/1/2020	755.17	200	1500	4000	1.90	410	1910	1760	6900	4000

Great Sacandaga Lake Actual and Maximum Allowable Hudson River Flow Below Confluence



Great Sacandaga Lake GSL Release and Natural Hudson River Flow

Total Flow Below Confluence (cfs)



Date



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

Monthly Report for: August 2020

Day	Sacandaga Reservoir Elevation Average Daily	Sacandaga Reservoir Elevation Midnight	Sacandaga River Near Hope cfs	Reservoir Inflow Hope x 2.1791 cfs	Sacandaga River at Stewarts Bridge cfs	Hudson River at Hadley cfs	Regulated Hudson River below confluence cfs
1	761.87	761.90	54	118	1640	373	2013
2	761.73	761.76	54	118	1830	427	2257
3	761.64	761.67	53	115	1790	395	2185
4	761.55	761.48	260	567	1630	523	2153
5	761.88	761.78	1180	2571	1630	2270	3900
6	761.89	761.89	527	1148	1610	2290	3900
7	761.82	761.84	348	758	1670	1910	3580
8	761.75	761.78	325	708	1650	1320	2970
9	761.67	761.69	279	608	1650	1190	2840
10	761.57	761.57	232	506	1620	990	2610
11	761.46	761.51	198	431	1600	792	2392
12	761.37	761.28	189	412	1640	878	2518
13	761.24	761.31	164	357	1640	702	2342
14	761.10	761.18	139	303	1640	785	2425
15	760.98	761.00	117	255	1630	597	2227
16	760.86	760.91	100	218	1620	678	2298
17	760.75	760.76	89	194	1630	601	2231
18	760.63	760.63	82	179	1660	484	2144
19	760.46	760.48	76	166	1650	601	2251
20	760.34	760.38	69	150	1510	473	1983
21	760.23	760.23	65	142	1480	539	2019
22	760.11	760.11	70	153	1490	459	1949
23	760.00	760.00	68	148	1480	536	2016
24	759.89	759.92	62	135	1480	525	2005
25	759.79	759.79	58	126	1480	425	1905
26	759.65	759.69	54	118	1470	503	1973
27	759.52	759.50	59	129	1490	407	1897
28	759.46	759.51	71	155	1450	502	1952
29	759.37	759.37	68	148	1470	434	1904
30	759.30	759.33	68	148	1480	581	2061
31	759.17	759.25	65	142	1480	563	2043

AVERAGE 169 370 1590 770 2350

CHANGE IN STORAGE DURING THE MONTH -3.01 B.C.F.

 CHIEF ENGINEER

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

Monthly Report for: August, 2020

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	1647.55	1647.58	-41	146	30	291
2	1647.50	1647.49	104	146	30	251
3	1647.42	1647.47	-83	146	30	147
4	1647.44	1647.37	629	150	81	400
5	1647.63	1647.59	335	148	545	1180
6	1647.63	1647.68	43	147	708	1510
7	1647.61	1647.63	63	146	431	970
8	1647.56	1647.59	42	146	289	835
9	1647.52	1647.54	42	146	220	622
10	1647.46	1647.49	-20	147	178	396
11	1647.44	1647.41	272	147	152	523
12	1647.46	1647.47	104	146	130	344
13	1647.42	1647.45	21	146	113	479
14	1647.36	1647.39	21	146	99	284
15	1647.31	1647.33	21	146	86	416
16	1647.24	1647.27	21	146	75	340
17	1647.18	1647.21	-21	146	71	205
18	1647.13	1647.13	63	146	70	355
19	1647.05	1647.10	-21	146	66	206
20	1646.99	1647.01	63	146	59	342
21	1646.92	1646.97	-21	146	55	195
22	1646.86	1646.89	42	146	53	333
23	1646.80	1646.84	22	147	51	287
24	1646.73	1646.78	-49	146	47	177
25	1646.66	1646.69	-28	149	46	310
26	1646.59	1646.61	32	150	44	173
27	1646.53	1646.54	111	150	44	315
28	1646.48	1646.52	12	150	51	188
29	1646.47	1646.45	209	150	58	360
30	1646.43	1646.48	51	149	84	338
31	1646.39	1646.43	-29	148	98	247

AVERAGE 65 147 132 420

CHANGE IN STORAGE DURING THE MONTH -0.220 B.C.F

 CHIEF ENGINEER

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

Monthly Report for: August 2020

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	1673.70	1673.78	30	400	88	344	859
2	1673.56	1673.63	-23	400	101	361	929
3	1673.40	1673.47	83	400	115	460	877
4	1673.35	1673.36	374	400	161	497	1150
5	1673.30	1673.35	189	400	417	623	1340
6	1673.21	1673.27	136	400	327	518	1740
7	1673.10	1673.16	25	342	190	447	2200
8	1673.01	1673.05	89	300	143	287	1620
9	1672.91	1672.96	13	300	118	310	1270
10	1672.82	1672.86	147	300	104	357	1140
11	1672.75	1672.80	71	300	97	302	1060
12	1672.66	1672.70	71	300	122	353	977
13	1672.57	1672.62	46	300	145	318	952
14	1672.47	1672.51	71	300	124	309	907
15	1672.36	1672.42	-5	300	106	301	961
16	1672.25	1672.31	20	300	99	291	792
17	1672.13	1672.19	-2	354	90	291	883
18	1671.99	1672.06	120	400	89	292	878
19	1671.84	1671.94	-45	400	90	294	866
20	1671.67	1671.76	-40	400	90	355	766
21	1671.52	1671.59	131	400	89	414	818
22	1671.38	1671.47	-15	400	89	421	892
23	1671.23	1671.31	58	400	95	501	932
24	1671.09	1671.16	34	400	92	376	987
25	1670.94	1671.02	36	400	90	399	889
26	1670.77	1670.87	0	400	86	391	859
27	1670.62	1670.69	0	400	103	491	954
28	1670.46	1670.53	24	400	166	399	996
29	1670.33	1670.37	188	400	176	462	1150
30	1670.21	1670.28	94	400	186	551	1340
31	1670.05	1670.14	-34	342	162	512	1530

AVERAGE			61	366	130	390	1080
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CHANGE IN STORAGE DURING THE MONTH

 CHIEF ENGINEER

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

Monthly Report for: August, 2020

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1785.90	1785.90	3	0.00	0.04	3
2	1785.93	1785.90	3	0.00	0.04	3
3	1785.98	1785.97	3	0.00	0.04	3
4	1786.00	1785.99	3	0.00	0.04	3
5	1785.81	1785.89	3	0.00	0.04	3
6	1785.83	1785.83	3	0.00	0.04	3
7	1785.83	1785.83	3	0.00	0.04	3
8	1785.84	1785.84	3	0.00	0.04	3
9	1785.84	1785.84	3	0.00	0.04	3
10	1785.84	1785.84	3	0.00	0.04	3
11	1785.85	1785.85	3	0.00	0.04	3
12	1785.85	1785.85	3	0.00	0.04	3
13	1785.85	1785.85	3	0.00	0.04	3
14	1785.84	1785.84	3	0.00	0.04	3
15	1785.83	1785.84	3	0.00	0.04	3
16	1785.82	1785.83	3	0.00	0.04	3
17	1785.80	1785.81	3	0.00	0.04	3
18	1785.80	1785.80	3	0.00	0.04	3
19	1785.80	1785.81	3	0.00	0.04	3
20	1785.78	1785.79	3	0.00	0.04	3
21	1785.78	1785.78	3	0.00	0.04	3
22	1785.80	1785.80	3	0.00	0.04	3
23	1785.79	1785.80	3	0.00	0.04	3
24	1785.79	1785.79	3	0.00	0.04	3
25	1785.78	1785.78	3	0.00	0.04	3
26	1785.76	1785.78	3	0.00	0.04	3
27	1785.77	1785.76	3	0.00	0.04	3
28	1785.78	1785.79	3	0.00	0.04	3
29	1785.80	1785.78	3	0.00	0.04	3
30	1785.82	1785.82	3	0.00	0.04	3
31	1785.82	1785.82	3	0.00	0.04	3

AVERAGE 3 3

CHANGE IN STORAGE DURING THE MONTH -0.003 B.C.F

CHIEF ENGINEER

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

Monthly Report for: August, 2020

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1706.71	1706.71	4	0.00	0.08	4
2	1706.75	1706.71	239	0.00	0.08	4
3	1706.85	1706.86	49	0.00	0.08	4
4	1706.90	1706.89	89	4.00	4.00	119
5	1706.88	1706.87	349	0.17	0.17	238
6	1706.94	1706.94	32	0.17	0.17	16
7	1706.94	1706.95	0	0.17	0.17	16
8	1706.94	1706.94	0	0.17	0.17	16
9	1706.92	1706.93	0	0.17	0.17	16
10	1706.91	1706.92	16	0.17	0.17	16
11	1706.90	1706.92	-21	0.17	0.00	11
12	1706.90	1706.90	8	0.17	0.00	8
13	1706.90	1706.90	-8	0.17	0.00	8
14	1706.89	1706.89	8	0.17	0.00	8
15	1706.89	1706.89	-7	0.17	0.00	8
16	1706.87	1706.88	-22	0.17	0.00	8
17	1706.84	1706.86	-11	0.00	0.04	4
18	1706.86	1706.85	47	0.00	0.04	2
19	1706.87	1706.88	-13	0.00	0.04	2
20	1706.86	1706.87	-13	0.00	0.04	2
21	1706.85	1706.86	32	0.00	0.04	2
22	1706.88	1706.88	2	0.00	0.04	2
23	1706.88	1706.88	2	0.00	0.04	2
24	1706.88	1706.88	2	0.00	0.04	2
25	1706.88	1706.88	17	0.00	0.04	2
26	1706.87	1706.89	-13	0.00	0.04	2
27	1706.89	1706.88	17	0.00	0.04	2
28	1706.91	1706.89	67	0.00	0.04	2
29	1706.93	1706.93	51	0.00	0.04	2
30	1706.96	1706.96	18	0.00	0.04	2
31	1706.97	1706.97	20	0.08	0.08	4

AVERAGE 31 17

CHANGE IN STORAGE DURING THE MONTH 0.037 B.C.F

 CHIEF ENGINEER

STATE OF NEW YORK
 HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
SACANDAGA RESERVOIR OPERATION
 FOR WEEK ENDING: September 5, 2020

DATE	SACANDAGA RESERVOIR			HUDSON RIVER FLOW		
	WATER SURFACE ELEV. 12 A.M.	TOTAL STORAGE B.C.F. ⁽¹⁾	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	HADLEY AVG. DAILY C.F.S.	SPIER FALLS AVG. DAILY C.F.S.
Saturday 29	759.37	25.87	12 AM - Mid	1,470	434	1,904
Sunday 30	759.33	25.83	12 AM - Mid	1,480	581	2,061
Monday 31	759.25	25.75	12 AM - Mid	1,480	563	2,043
Tuesday 1	759.04	25.53	12 AM - Mid	1,460	475	1,935
Wednesday 2	758.98	25.47	12 AM - Mid	1,520	624	2,144
Thursday 3	758.93	25.42	12 AM - Mid	1,480	513	1,993
Friday 4	758.77	25.25	12 AM - Mid	1,510	640	2,150
Saturday 5	758.67	25.15	12 AM - Mid	1,490	592	2,082
CHANGE IN STORAGE DURING THE WEEK		-0.72	* SACANDAGA RIVER AT STEWARTS BRIDGE			

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2011	765.08	32.00	6	2012	760.14	26.68
2	2014	762.26	28.93	7	2015	759.73	26.25
3	2017	762.19	28.85	8	2016	759.11	25.60
4	2013	761.76	28.39	9	2018	758.85	25.34
5	2019	761.71	28.34	10	2020	758.67	25.15

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

 CHIEF ENGINEER

STATE OF NEW YORK
 HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
SACANDAGA RESERVOIR OPERATION
 FOR WEEK ENDING: September 12, 2020

DATE	SACANDAGA RESERVOIR			HUDSON RIVER FLOW		
	WATER SURFACE ELEV. 12 A.M.	TOTAL STORAGE B.C.F. ⁽¹⁾	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	HADLEY AVG. DAILY C.F.S.	SPIER FALLS AVG. DAILY C.F.S.
Saturday 5	758.67	25.15	12 AM - Mid	1,490	592	2,082
Sunday 6	758.45	24.92	12 AM - Mid	1,500	725	2,225
Monday 7	758.44	24.91	12 AM - Mid	1,480	625	2,105
Tuesday 8	758.26	24.73	12 AM - Mid	1,480	553	2,033
Wednesday 9	758.14	24.60	12 AM - Mid	1,490	494	1,984
Thursday 10	758.04	24.50	12 AM - Mid	1,510	412	1,922
Friday 11	757.87	24.33	12 AM - Mid	1,530	494	2,024
Saturday 12	757.77	24.23	12 AM - Mid	1,520	371	1,891
CHANGE IN STORAGE DURING THE WEEK		-0.92	* SACANDAGA RIVER AT STEWARTS BRIDGE			

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2011	768.83	36.23	6	2012	759.43	25.94
2	2017	761.95	28.59	7	2015	758.78	25.26
3	2014	761.55	28.16	8	2018	758.56	25.04
4	2019	761.20	27.79	9	2016	758.28	24.75
5	2013	761.05	27.63	10	2020	757.77	24.23

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

 CHIEF ENGINEER

STATE OF NEW YORK
 HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
SACANDAGA RESERVOIR OPERATION
 FOR WEEK ENDING: September 19, 2020

DATE	SACANDAGA RESERVOIR			HUDSON RIVER FLOW		
	WATER SURFACE ELEV. 12 A.M.	TOTAL STORAGE B.C.F. ⁽¹⁾	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	HADLEY AVG. DAILY C.F.S.	SPIER FALLS AVG. DAILY C.F.S.
Saturday 12	757.77	24.23	12 AM - Mid	1,520	371	1,891
Sunday 13	757.67	24.13	12 AM - Mid	1,500	448	1,948
Monday 14	757.60	24.06	12 AM - Mid	1,520	426	1,946
Tuesday 15	757.41	23.87	12 AM - Mid	1,500	340	1,840
Wednesday 16	757.31	23.76	12 AM - Mid	1,650	409	2,059
Thursday 17	757.19	23.64	12 AM - Mid	1,670	354	2,024
Friday 18	757.01	23.46	12 AM - Mid	1,680	424	2,104
Saturday 19	756.91	23.36	12 AM - Mid	1,690	335	2,025

CHANGE IN STORAGE DURING THE WEEK	-0.87	* SACANDAGA RIVER AT STEWARTS BRIDGE
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2011	767.59	34.81	6	2012	758.99	25.48
2	2017	761.43	28.04	7	2015	758.29	24.76
3	2014	760.81	27.38	8	2018	758.18	24.65
4	2019	760.62	27.18	9	2016	757.51	23.97
5	2013	760.39	26.94	10	2020	756.91	23.36

CAPACITY AT SPILLWAY CREST (EL 770.12) 37.72 B.C.F.
 CAPACITY AT LOW FLOW LINE (EL 734.12) 4.60 B.C.F.

(1) Includes dead storage below El. 734.12 ft.
 Datum: NAVD 88

 CHIEF ENGINEER

STATE OF NEW YORK
 HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
SACANDAGA RESERVOIR OPERATION
 FOR WEEK ENDING: September 26, 2020

DATE	SACANDAGA RESERVOIR			HUDSON RIVER FLOW		
	WATER SURFACE ELEV. 12 A.M.	TOTAL STORAGE B.C.F. ⁽¹⁾	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	HADLEY AVG. DAILY C.F.S.	SPIER FALLS AVG. DAILY C.F.S.
Saturday 19	756.91	23.36	12 AM - Mid	1,690	335	2,025
Sunday 20	756.67	23.12	12 AM - Mid	1,690	400	2,090
Monday 21	756.51	22.96	12 AM - Mid	1,630	382	2,012
Tuesday 22	756.43	22.88	12 AM - Mid	1,590	314	1,904
Wednesday 23	756.33	22.78	12 AM - Mid	1,510	348	1,858
Thursday 24	756.22	22.67	12 AM - Mid	1,530	325	1,855
Friday 25	756.02	22.47	12 AM - Mid	1,510	363	1,873
Saturday 26	755.90	22.36	12 AM - Mid	1,520	317	1,837
CHANGE IN STORAGE DURING THE WEEK		-1.01	* SACANDAGA RIVER AT STEWARTS BRIDGE			

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2011	766.40	33.47	6	2012	758.63	25.11
2	2017	760.82	27.39	7	2018	757.85	24.31
3	2014	760.14	26.68	8	2015	757.47	23.93
4	2019	760.00	26.53	9	2016	756.69	23.14
5	2013	759.71	26.23	10	2020	755.90	22.36

CAPACITY AT SPILLWAY CREST (EL 770.12) 37.72 B.C.F.
 CAPACITY AT LOW FLOW LINE (EL 734.12) 4.60 B.C.F.

(1) Includes dead storage below El. 734.12 ft.
 Datum: NAVD 88

 CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
INDIAN LAKE RESERVOIR OPERATION
FOR WEEK ENDING: September 5, 2020

DATE	INDIAN LAKE RESERVOIR			INDIAN RIVER	HUDSON RIVER	
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	NEWCOMB AVG. DAILY C.F.S.	NORTH CREEK AVG. DAILY C.F.S.
Saturday 29	1,646.45	2.86	12 AM - Mid	147	58	360
Sunday 30	1,646.48	2.86	12 AM - Mid	147	84	338
Monday 31	1,646.43	2.86	12 AM - Mid	147	98	247
Tuesday 1	1,646.35	2.84	12 AM - Mid	147	90	409
Wednesday 2	1,646.32	2.84	12 AM - Mid	147	89	250
Thursday 3	1,646.31	2.84	12 AM - Mid	147	171	419
Friday 4	1,646.27	2.83	12 AM - Mid	146	231	352
Saturday 5	1,646.20	2.82	12 AM - Mid	146	187	547

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	2011	1,647.76	3.09	6	2013	1,645.29	2.66
2	2020	1,646.20	2.82	7	2014	1,644.65	2.55
3	2017	1,646.16	2.81	8	2016	1,644.19	2.48
4	2018	1,646.06	2.79	9	2015	1,644.19	2.48
5	2019	1,645.87	2.76	10	2012	1,643.48	2.36

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

Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
INDIAN LAKE RESERVOIR OPERATION
FOR WEEK ENDING: September 12, 2020

DATE	INDIAN LAKE RESERVOIR			INDIAN RIVER	HUDSON RIVER	
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	NEWCOMB AVG. DAILY C.F.S.	NORTH CREEK AVG. DAILY C.F.S.
Saturday 5	1,646.20	2.82	12 AM - Mid	146	187	547
Sunday 6	1,646.14	2.81	12 AM - Mid	146	146	437
Monday 7	1,646.10	2.80	12 AM - Mid	145	117	360
Tuesday 8	1,646.04	2.79	12 AM - Mid	145	97	326
Wednesday 9	1,645.96	2.78	12 AM - Mid	145	84	215
Thursday 10	1,645.91	2.77	12 AM - Mid	145	74	335
Friday 11	1,645.83	2.75	12 AM - Mid	145	65	200
Saturday 12	1,645.76	2.74	12 AM - Mid	145	56	321
CHANGE IN STORAGE DURING THE WEEK		-0.07	* 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	2011	1,650.00	3.51	6	2013	1,644.84	2.59
2	2017	1,646.02	2.79	7	2014	1,644.08	2.46
3	2018	1,646.00	2.78	8	2015	1,643.61	2.38
4	2020	1,645.76	2.74	9	2016	1,643.52	2.36
5	2019	1,645.60	2.71	10	2012	1,642.99	2.28

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

Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
INDIAN LAKE RESERVOIR OPERATION
FOR WEEK ENDING: September 19, 2020

DATE	INDIAN LAKE RESERVOIR			INDIAN RIVER	HUDSON RIVER	
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	NEWCOMB AVG. DAILY C.F.S.	NORTH CREEK AVG. DAILY C.F.S.
Saturday 12	1,645.76	2.74	12 AM - Mid	145	56	321
Sunday 13	1,645.69	2.73	12 AM - Mid	145	51	272
Monday 14	1,645.65	2.72	12 AM - Mid	143	55	172
Tuesday 15	1,645.54	2.70	12 AM - Mid	143	61	298
Wednesday 16	1,645.49	2.70	12 AM - Mid	143	55	185
Thursday 17	1,645.40	2.68	12 AM - Mid	143	49	310
Friday 18	1,645.31	2.67	12 AM - Mid	143	45	176
Saturday 19	1,645.22	2.65	12 AM - Mid	142	41	301

CHANGE IN STORAGE DURING THE WEEK	-0.09	* 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	2011	1,647.80	3.10	6	2013	1,644.38	2.51
2	2018	1,645.83	2.75	7	2014	1,643.65	2.38
3	2017	1,645.56	2.71	8	2015	1,643.36	2.34
4	2019	1,645.24	2.65	9	2016	1,642.92	2.27
5	2020	1,645.22	2.65	10	2012	1,642.73	2.24

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

Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
 HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
INDIAN LAKE RESERVOIR OPERATION
 FOR WEEK ENDING: September 26, 2020

DATE	INDIAN LAKE RESERVOIR			INDIAN RIVER	HUDSON RIVER	
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	NEWCOMB AVG. DAILY C.F.S.	NORTH CREEK AVG. DAILY C.F.S.
Saturday 19	1,645.22	2.65	12 AM - Mid	142	41	301
Sunday 20	1,645.17	2.64	12 AM - Mid	141	37	255
Monday 21	1,645.09	2.63	12 AM - Mid	141	35	156
Tuesday 22	1,645.01	2.61	12 AM - Mid	141	32	273
Wednesday 23	1,644.92	2.60	12 AM - Mid	141	31	160
Thursday 24	1,644.88	2.59	12 AM - Mid	141	30	282
Friday 25	1,644.79	2.58	12 AM - Mid	141	28	159
Saturday 26	1,644.76	2.57	12 AM - Mid	140	26	284

CHANGE IN STORAGE DURING THE WEEK	-0.08	* INIDAN RIVER NEAR INDIAN LAKE
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2018	1,645.67	2.73	6	2013	1,643.84	2.42
2	2011	1,645.43	2.69	7	2014	1,643.04	2.29
3	2017	1,645.06	2.62	8	2015	1,642.79	2.25
4	2019	1,644.83	2.58	9	2012	1,642.42	2.19
5	2020	1,644.76	2.57	10	2016	1,642.39	2.18

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

Datum: NAVD 88

CHIEF ENGINEER

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

FOR WEEK ENDING: **September 5, 2020**

DATE	STILLWATER RESERVOIR			BEAVER RIVER		BLACK RIVER
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	STILLWATER RELEASE AVG. DAILY C.F.S.	CROGHAN AVG. DAILY FLOW C.F.S.	WATERTOWN AVG. DAILY FLOW C.F.S.
Saturday 29	1,670.37	2.63	12 AM -Mid	400	462	1,150
Sunday 30	1,670.28	2.61	12 AM -Mid	400	551	1,340
Monday 31	1,670.14	2.58	12 AM -Mid	342	512	1,530
Tuesday 1	1,669.98	2.55	12 AM -Mid	300	489	1,470
Wednesday 2	1,669.85	2.52	12 AM -Mid	300	425	1,300
Thursday 3	1,669.77	2.51	12 AM -Mid	300	361	1,150
Friday 4	1,669.64	2.49	12 AM -Mid	300	296	989
Saturday 5	1,669.53	2.47	12 AM -Mid	300	351	953

CHANGE IN STORAGE DURING THE WEEK	-0.16
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2020	1,669.53	2.47	6	2015	1,672.28	3.03
2	2019	1,672.80	3.14	7	2014	1,672.23	3.02
3	2018	1,668.90	2.37	8	2013	1,671.85	2.94
4	2017	1,672.77	3.14	9	2012	1,669.42	2.45
5	2016	1,672.90	3.17	10	2011	1,672.60	3.10

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 - datum revised

CHIEF ENGINEER

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

FOR WEEK ENDING: [September 12, 2020](#)

DATE	STILLWATER RESERVOIR			BEAVER RIVER		BLACK RIVER
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	STILLWATER RELEASE AVG. DAILY C.F.S.	CROGHAN AVG. DAILY FLOW C.F.S.	WATERTOWN AVG. DAILY FLOW C.F.S.
Saturday 5	1,669.53	2.47	12 AM -Mid	300	351	953
Sunday 6	1,669.41	2.45	12 AM -Mid	300	325	1,010
Monday 7	1,669.28	2.43	12 AM -Mid	300	353	955
Tuesday 8	1,669.15	2.41	12 AM -Mid	300	282	934
Wednesday 9	1,669.04	2.39	12 AM -Mid	300	394	858
Thursday 10	1,668.92	2.37	12 AM -Mid	300	275	879
Friday 11	1,668.81	2.35	12 AM -Mid	300	284	767
Saturday 12	1,668.68	2.33	12 AM -Mid	300	376	776

CHANGE IN STORAGE DURING THE WEEK	-0.14
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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	1,672.66	3.12	6	2014	1,671.53	2.87
2	2011	1,672.61	3.10	7	2013	1,671.02	2.76
3	2019	1,672.60	3.10	8	2012	1,668.70	2.34
4	2016	1,672.04	2.98	9	2020	1,668.68	2.33
5	2015	1,671.71	2.91	10	2018	1,668.05	2.23

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 - datum revised

CHIEF ENGINEER

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

FOR WEEK ENDING: [September 19, 2020](#)

DATE	STILLWATER RESERVOIR			BEAVER RIVER		BLACK RIVER
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	STILLWATER RELEASE AVG. DAILY C.F.S.	CROGHAN AVG. DAILY FLOW C.F.S.	WATERTOWN AVG. DAILY FLOW C.F.S.
Saturday 12	1,668.68	2.33	12 AM -Mid	300	376	776
Sunday 13	1,668.53	2.31	12 AM -Mid	300	320	800
Monday 14	1,668.43	2.29	12 AM -Mid	300	301	835
Tuesday 15	1,668.28	2.26	12 AM -Mid	300	404	822
Wednesday 16	1,668.11	2.24	12 AM -Mid	300	344	1,010
Thursday 17	1,667.94	2.21	12 AM -Mid	300	336	892
Friday 18	1,667.79	2.18	12 AM -Mid	300	371	832
Saturday 19	1,667.64	2.16	12 AM -Mid	300	388	695

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

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	1,672.08	2.99	6	2014	1,670.79	2.71
2	2017	1,672.07	2.98	7	2013	1,670.23	2.60
3	2015	1,671.34	2.83	8	2012	1,668.08	2.23
4	2011	1,671.22	2.80	9	2020	1,667.64	2.16
5	2016	1,671.04	2.76	10	2018	1,667.07	2.06

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 - datum revised

CHIEF ENGINEER

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

FOR WEEK ENDING: [September 26, 2020](#)

DATE	STILLWATER RESERVOIR			BEAVER RIVER		BLACK RIVER
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	STILLWATER RELEASE AVG. DAILY C.F.S.	CROGHAN AVG. DAILY FLOW C.F.S.	WATERTOWN AVG. DAILY FLOW C.F.S.
Saturday 19	1,667.64	2.16	12 AM -Mid	300	388	695
Sunday 20	1,667.51	2.14	12 AM -Mid	300	352	851
Monday 21	1,667.39	2.12	12 AM -Mid	300	336	838
Tuesday 22	1,667.26	2.10	12 AM -Mid	300	313	755
Wednesday 23	1,667.13	2.08	12 AM -Mid	300	294	745
Thursday 24	1,667.01	2.06	12 AM -Mid	300	282	744
Friday 25	1,666.87	2.03	12 AM -Mid	300	295	739
Saturday 26	1,666.73	2.01	12 AM -Mid	300	292	732

CHANGE IN STORAGE DURING THE WEEK	-0.15
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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	1,671.58	2.88	6	2014	1,669.87	2.53
2	2017	1,671.32	2.82	7	2013	1,669.41	2.45
3	2015	1,670.77	2.71	8	2012	1,667.49	2.14
4	2011	1,670.25	2.61	9	2020	1,666.73	2.01
5	2016	1,670.18	2.59	10	2018	1,666.18	1.92

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 - datum revised

CHIEF ENGINEER

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

FOR WEEK ENDING: **September 5, 2020**

DATE	OLD FORGE RESERVOIR			SIXTH LAKE RESERVOIR		
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.
Saturday 29	1,706.93	0.916	2	1,785.78	0.295	3
Sunday 30	1,706.96	0.920	2	1,785.82	0.296	3
Monday 31	1,706.97	0.922	4	1,785.82	0.296	3
Tuesday 1	1,706.98	0.923	8	1,785.81	0.296	3
Wednesday 2	1,706.97	0.922	8	1,785.80	0.296	3
Thursday 3	1,707.02	0.927	8	1,785.85	0.297	3
Friday 4	1,707.00	0.926	8	1,785.85	0.297	3
Saturday 5	1,707.00	0.926	8	1,785.84	0.297	3
CHANGE IN STORAGE		0.010			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	2020	1,707.00	0.926	1	2020	1,785.84	0.297
2	2019	1,706.81	0.900	2	2019	1,786.09	0.305
3	2018	1,706.87	0.908	3	2018	1,785.76	0.294
4	2017	1,707.00	0.926	4	2017	1,785.89	0.299
5	2016	1,706.88	0.909	5	2016	1,786.01	0.302

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

CHIEF ENGINEER

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

FOR WEEK ENDING: **September 12, 2020**

DATE	OLD FORGE RESERVOIR			SIXTH LAKE RESERVOIR		
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.
Saturday 5	1,707.00	0.926	8	1,785.84	0.297	3
Sunday 6	1,707.01	0.927	8	1,785.85	0.297	3
Monday 7	1,707.02	0.927	8	1,785.85	0.297	3
Tuesday 8	1,706.99	0.924	8	1,785.83	0.297	3
Wednesday 9	1,707.01	0.927	8	1,785.83	0.297	3
Thursday 10	1,707.01	0.927	8	1,785.83	0.297	3
Friday 11	1,707.01	0.927	8	1,785.83	0.297	3
Saturday 12	1,707.01	0.927	8	1,785.82	0.296	3
CHANGE IN STORAGE		0.001			-0.001	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2020	1,707.01	0.927	1	2019	1,786.10	0.305
2	2016	1,706.96	0.920	2	2016	1,785.99	0.301
3	2018	1,706.92	0.915	3	2017	1,785.94	0.300
4	2017	1,706.90	0.912	4	2020	1,785.82	0.296
5	2019	1,706.88	0.909	5	2018	1,785.76	0.294

OLD FORGE CAPACITY AT SPILLWAY CREST (EL 1706.99) 0.924 B.C.F.
SIXTH LAKE CAPACITY AT SPILLWAY CREST (EL 1785.83) 0.297 B.C.F.

Datum: NAVD 88

CHIEF ENGINEER

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

FOR WEEK ENDING: [September 19, 2020](#)

DATE	OLD FORGE RESERVOIR			SIXTH LAKE RESERVOIR		
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.
Saturday 12	1,707.01	0.927	8	1,785.82	0.296	3
Sunday 13	1,706.98	0.923	8	1,785.81	0.296	3
Monday 14	1,707.01	0.927	8	1,785.83	0.297	3
Tuesday 15	1,707.03	0.929	8	1,785.82	0.296	3
Wednesday 16	1,707.01	0.927	8	1,785.81	0.296	3
Thursday 17	1,707.00	0.926	8	1,785.80	0.296	3
Friday 18	1,707.00	0.926	8	1,785.80	0.296	3
Saturday 19	1,707.00	0.926	8	1,785.79	0.295	3
CHANGE IN STORAGE		-0.001			-0.001	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2020	1,707.00	0.926	1	2017	1,786.02	0.302
2	2016	1,706.99	0.924	2	2016	1,785.99	0.301
3	2017	1,706.98	0.923	3	2019	1,785.98	0.301
4	2018	1,706.93	0.916	4	2020	1,785.79	0.295
5	2019	1,706.82	0.901	5	2018	1,785.73	0.293

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

CHIEF ENGINEER

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

FOR WEEK ENDING: [September 26, 2020](#)

DATE	OLD FORGE RESERVOIR			SIXTH LAKE RESERVOIR		
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.
Saturday 19	1,707.00	0.926	8	1,785.79	0.295	3
Sunday 20	1,706.99	0.924	8	1,785.78	0.295	3
Monday 21	1,706.98	0.923	8	1,785.76	0.294	3
Tuesday 22	1,706.98	0.923	8	1,785.75	0.294	3
Wednesday 23	1,706.96	0.920	8	1,785.75	0.294	3
Thursday 24	1,706.97	0.922	8	1,785.75	0.294	3
Friday 25	1,706.97	0.922	8	1,785.75	0.294	3
Saturday 26	1,706.97	0.922	8	1,785.75	0.294	3
CHANGE IN STORAGE		-0.004			-0.001	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2020	1,706.97	0.922	1	2017	1,786.01	0.302
2	2016	1,706.93	0.916	2	2019	1,785.98	0.301
3	2018	1,706.90	0.912	3	2016	1,785.93	0.300
4	2019	1,706.87	0.908	4	2020	1,785.75	0.294
5	2017	1,706.86	0.907	5	2018	1,785.68	0.292

OLD FORGE CAPACITY AT SPILLWAY CREST (EL 1706.99) 0.924 B.C.F.
SIXTH LAKE CAPACITY AT SPILLWAY CREST (EL 1785.83) 0.297 B.C.F.

Datum: NAVD 88

CHIEF ENGINEER