

REPORT OF CHIEF ENGINEER
HUDSON RIVER - BLACK RIVER REGULATING DISTRICT
BOARD MEETING
NOVEMBER 10, 2020 – MAYFIELD, 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 1,230 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) ⁽⁴⁾	Deviation (ft) (1)		Release (cfs)	
		From Average	From Offer of Settlement	Conklingville Dam	E.J. West (2) Hydro Plant
Sept. 30	755.53	-0.74	-4.72	0	1,520
Oct. 31	752.6 (e)	-2.4 (e)	-4.9 (e)	0	1,100 (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 135 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	1,644.67	+0.54	-1.48	141
Oct. 31	1,643.7 (e)	-0.6 (e)	-0.2 (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 2,380 cfs on October 25 and approximately 2,080 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	152 (e)	771
Sacandaga at Stewarts Bridge	1,230 (e)	1,930
Indian at Indian Lake Dam	135 (e)	265
Hudson at Hadley (1)	880 (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 57%, 75%, and 61% historic average at Indian Lake, Mayfield, and Conklingville, respectively, as of October 25

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

Station	Monthly Total (inch)	Historic Average (inch)
Indian Lake	2.57	4.53
Mayfield	2.97	3.95
Conklingville	2.19	3.62

HUDSON RIVER AREA - OCTOBER SUMMARY- continued

Operation Overview

Precipitation during the month of October was below normal across the Great Sacandaga Lake watershed and the Indian Lake watershed. The monthly inflow to Great Sacandaga Lake and Indian Lake reservoir was approximately 9% and 23% of historic average, respectively. Monthly release of water from Great Sacandaga Lake and Indian Lake measured 65% and 51% of historic average, respectively.

Great Sacandaga Lake Operation

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

Reservoir Operations

Stillwater Reservoir

The October average daily release from Stillwater Reservoir was approximately 437 cfs. The maximum discharge for the month was 500 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	1,666.29	-3.76	300
Oct. 31	1,665.1 (e)	-4.4 (e)	50 (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 28 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	1,785.89	+0.65	3
Oct. 31	1,784.8 (e)	+0.6 (e)	35 (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 84 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	1,706.99	+0.37	243
Oct. 31	1,706.2 (e)	+0.6 (e)	96 (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 2,100 cfs on October 25.

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

River	Monthly Average Flow (cfs)	Historic Average Flow (1) (cfs)
Moose at McKeever	345 (e)	729
Beaver at Croghan	340 (e)	531
Black at Watertown	1,540 (e)	3,350

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 75%, 72%, 65% of historic average at Stillwater, Old Forge, and Sixth Lake, respectively, as of October 25.

Table 5.0 - *Black River Basin Precipitation - as of October 25*

Station	Monthly Total (inch)	Historic Average (inch)
Stillwater	4.04	5.39
Old Forge	3.84	5.33
Sixth Lake	3.03	4.66

BLACK RIVER AREA - OCTOBER SUMMARY - continued

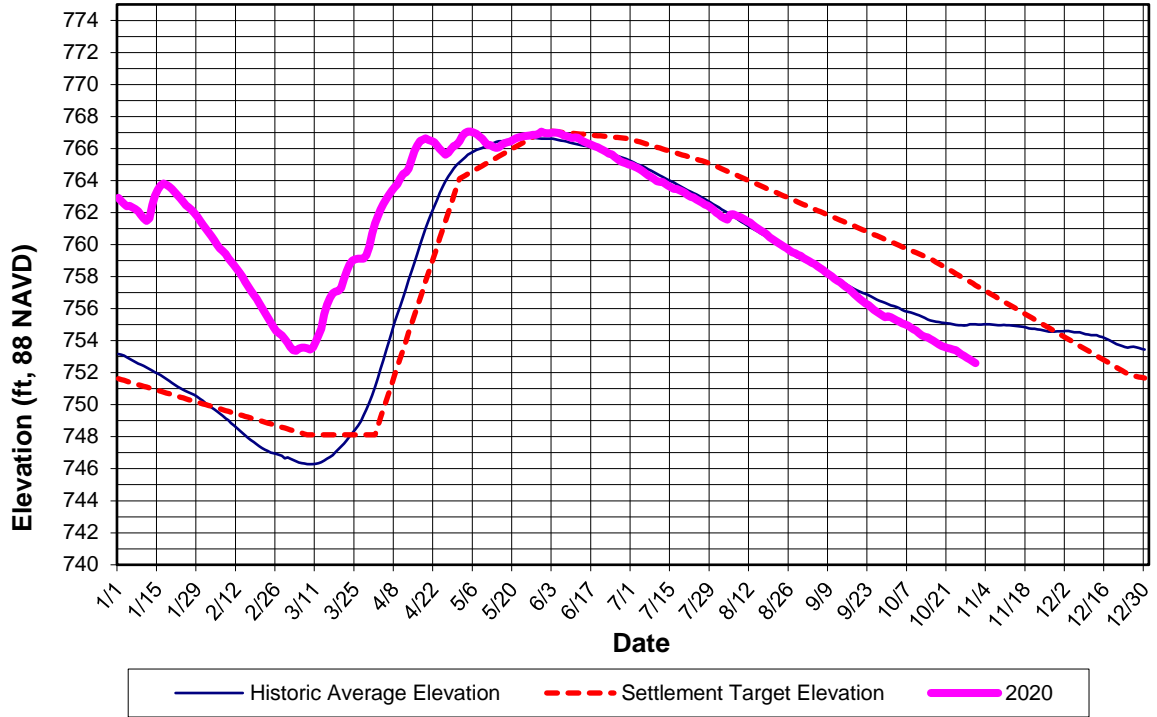
Operation Overview

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 42% of historic average. The inflow to Sixth Lake and Old Forge Reservoir totaled 0.05 and 0.14 billion cubic feet, respectively, in October. Release of water from Stillwater Reservoir averaged 71% of historic discharge.

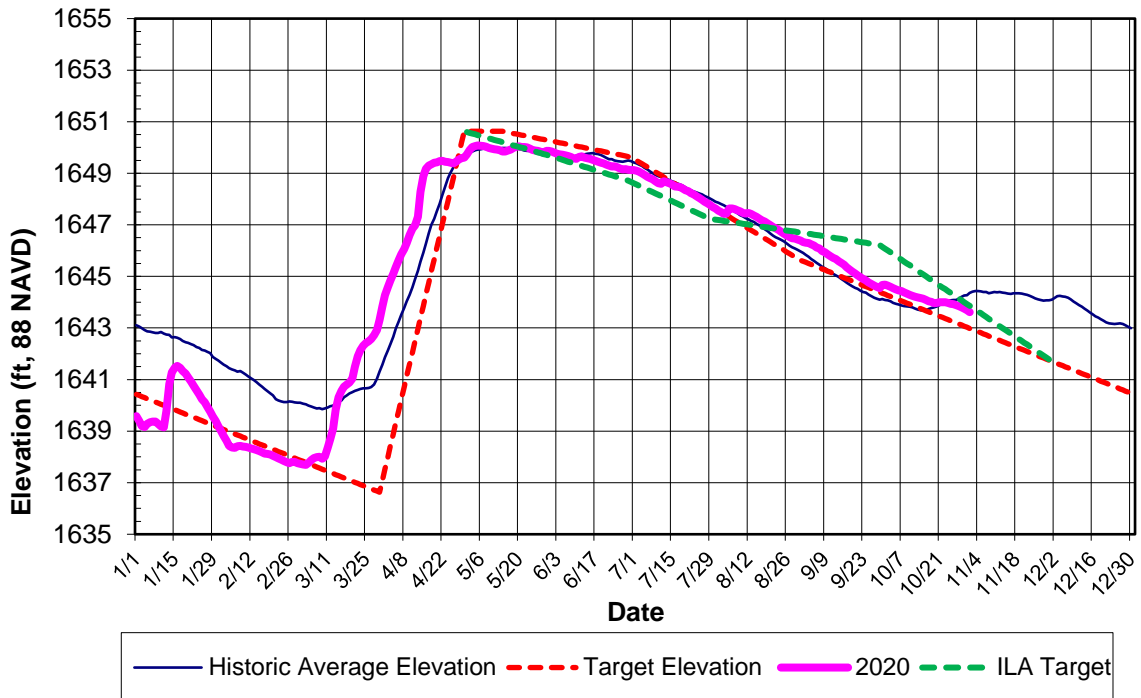
Black River Area Staff Activities

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

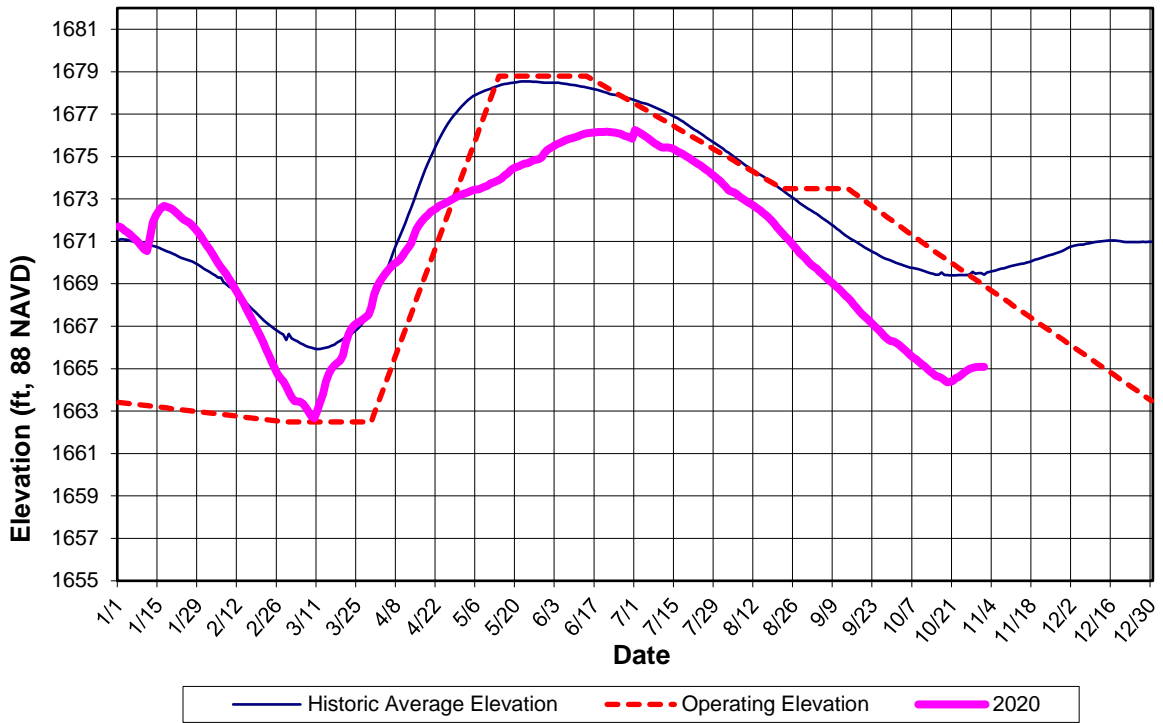
Great Sacandaga Lake 2020 Reservoir Elevation



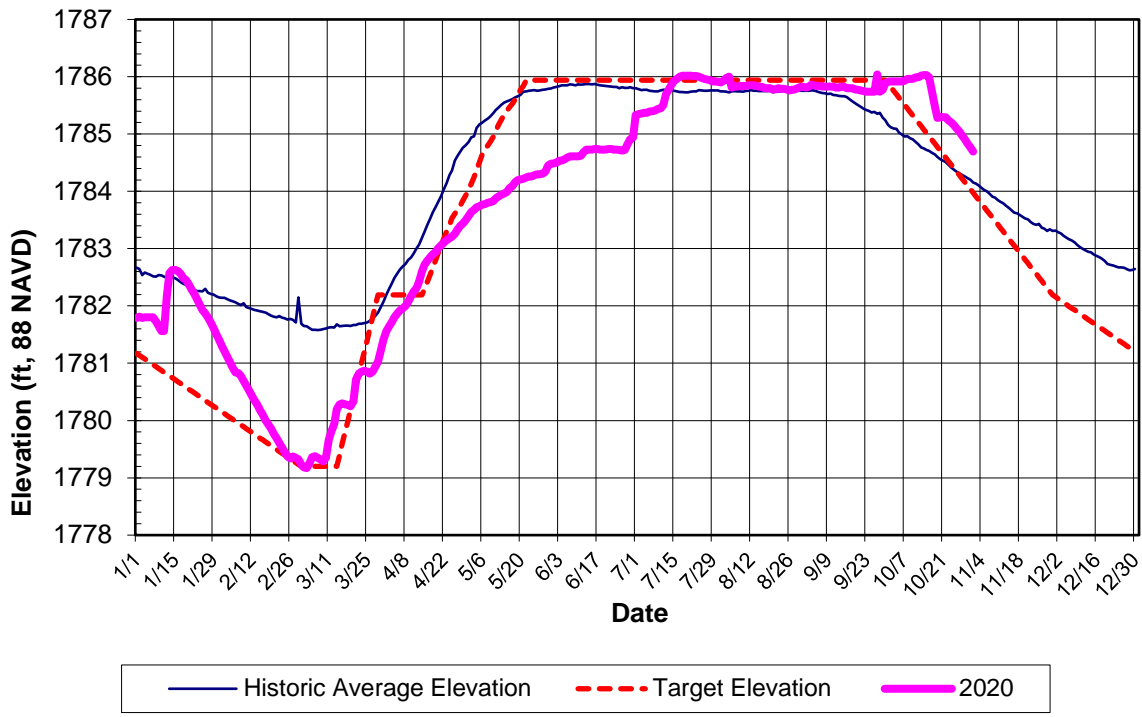
Indian Lake 2020 Reservoir Elevation



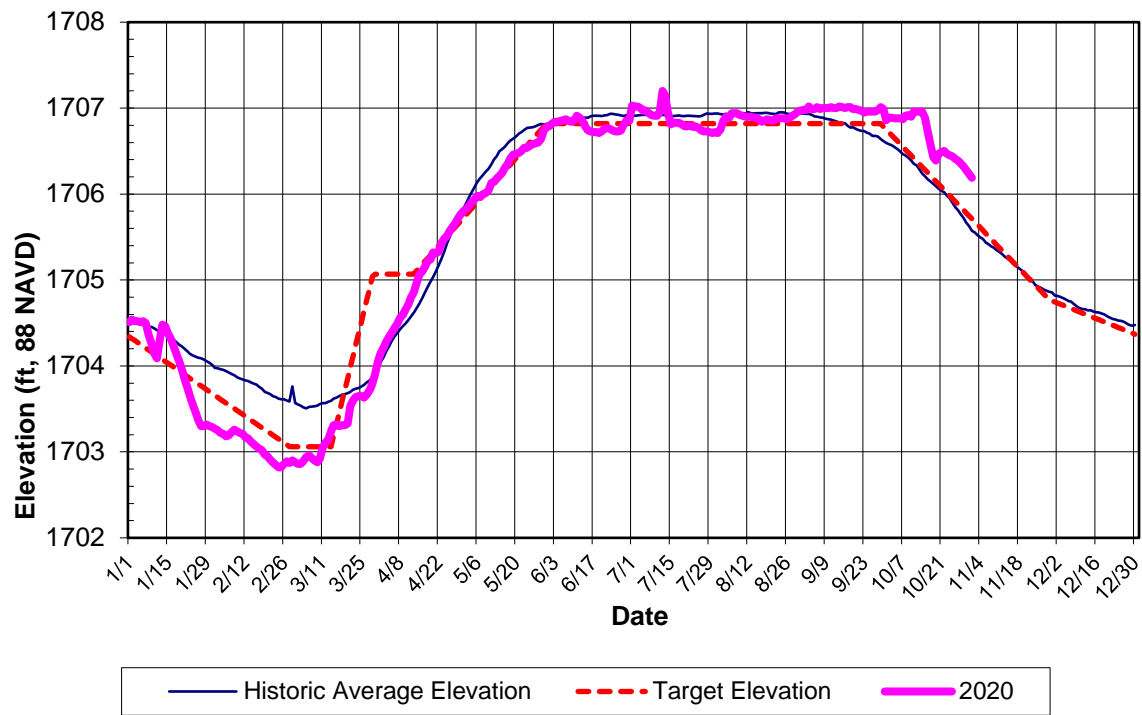
Stillwater Reservoir 2020 Reservoir Elevation



Sixth Lake 2020 Reservoir Elevation



Old Forge 2020 Reservoir Elevation



SACANDAGA RESERVOIR ELEVATION CALCULATOR

Datum:

1988 NAVD

Settlement Parameters

Date	10/26/2020	
Target Elevation	757.99	
Actual "Level"	1.89	
"Level 2.5 threshold"		
"Level 1.2 threshold"	742.22	
Hudson River Target	Elevation	Level
Maximum Flow (cfs)	6000	6890
Minimum Flow (cfs)	n/a	1760
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

Daily Conditions	
Date	10/26/2020
Day of Year	5048
Starting Elevation (ft)	753.19
Average Elevation	753.14
Flow Below Hadley (cfs)	1800
Today's Release	1100
Tomorrow's Release	1200

Justin St.John 518-743-2004 (w)
Jonathan Norris 315-396-8194 (cell)
518-743-2094

Dan McCarty 744-2067 Eric Johnson
753.14 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)						
10/1/2020	755.50	300	1530	0	0	1530	4000	1.91	991	2521	1760	8000	6910	755.39	10/2/2020	755.45	760.17	756.13
10/2/2020	755.39	600	1420	0	0	1420	4000	1.92	1210	2630	1760	8000	6920	755.31	10/3/2020	755.35	760.10	756.07
10/3/2020	755.31	100	1080	0	0	1080	4000	1.92	1020	2100	1760	8000	6920	755.22	10/4/2020	755.27	760.02	755.99
10/4/2020	755.22	100	1320	0	0	1320	4000	1.92	967	2287	1760	8000	6920	755.11	10/5/2020	755.17	759.95	755.89
10/5/2020	755.11	400	1040	0	0	1040	4000	1.92	829	1869	1760	8000	6920	755.05	10/6/2020	755.08	759.87	755.81
10/6/2020	755.05	500	1530	0	0	1530	4000	1.92	664	2194	1760	8000	6920	754.95	10/7/2020	755.00	759.80	755.76
10/7/2020	754.95	300	1210	0	0	1210	4000	1.92	749	1959	1760	8000	6920	754.86	10/8/2020	754.91	759.72	755.71
10/8/2020	754.86	100	1320	0	0	1320	4000	1.91	618	1938	1760	8000	6910	754.75	10/9/2020	754.81	759.65	755.65
10/9/2020	754.75	0	1250	0	0	1250	4000	1.91	732	1982	1760	8000	6900	754.63	10/10/2020	754.69	759.57	755.61
10/10/2020	754.63	300	1260	0	0	1260	4000	1.91	623	1883	1760	8000	6900	754.54	10/11/2020	754.59	759.50	755.55
10/11/2020	754.54	-200	1340	0	0	1340	4000	1.90	766	2106	1760	8000	6900	754.40	10/12/2020	754.47	759.42	755.46
10/12/2020	754.40	-400	1290	0	0	1290	4000	1.90	699	1989	1760	8000	6900	754.24	10/13/2020	754.32	759.35	755.37
10/13/2020	754.24	1200	1170	0	0	1170	4000	1.90	677	1847	1760	8000	6900	754.24	10/14/2020	754.24	759.27	755.29
10/14/2020	754.24	0	1200	0	0	1200	4000	1.90	640	1840	1760	8000	6890	754.13	10/15/2020	754.19	759.20	755.23
10/15/2020	754.13	300	1220	0	0	1220	4000	1.89	745	1965	1760	6000	6890	754.04	10/16/2020	754.09	759.12	755.18
10/16/2020	754.04	300	1560	0	0	1560	4000	1.89	917	2477	1760	6000	6890	753.92	10/17/2020	753.98	759.02	755.14
10/17/2020	753.92	400	1500	0	0	1500	4000	1.89	1110	2610	1760	6000	6880	753.82	10/18/2020	753.87	758.91	755.11
10/18/2020	753.82	100	1460	0	0	1460	4000	1.90	1030	2490	1760	6000	6900	753.69	10/19/2020	753.76	758.81	755.07
10/19/2020	753.69	300	1020	0	0	1020	4000	1.90	987	2007	1760	6000	6900	753.62	10/20/2020	753.66	758.71	755.03
10/20/2020	753.62	200	1290	0	0	1290	4000	1.90	946	2236	1760	6000	6890	753.52	10/21/2020	753.57	758.61	755.01
10/21/2020	753.52	1400	1050	0	0	1050	4000	1.89	932	1982	1760	6000	6890	753.55	10/22/2020	753.54	758.50	754.99
10/22/2020	753.55	400	1090	0	0	1090	4000	1.89	935	2025	1760	6000	6890	753.48	10/23/2020	753.52	758.40	754.94
10/23/2020	753.48	300	1120	0	0	1120	4000	1.89	1020	2140	1760	6000	6880	753.40	10/24/2020	753.44	758.30	754.92
10/24/2020	753.40	400	1100	0	0	1100	4000	1.88	1180	2280	1760	6000	6880	753.33	10/25/2020	753.37	758.19	754.89
10/25/2020	753.33	-200	1290	0	0	1290	4000	1.88	1090	2380	1760	6000	6880	753.19	10/26/2020	753.26	758.09	754.89
10/26/2020	753.19	0	1100	0	0	1100	4000	1.88	700	1800	1760	6000	6880	753.09	10/27/2020	753.14	757.99	754.87
10/27/2020	753.09	0	1200	0	0	1200	4000	1.88	700	1900	1760	6000	6880	752.98	10/28/2020	753.04	757.89	754.89
10/28/2020	752.98	0	1200	0	0	1200	4000	1.88	700	1900	1760	6000	6880	752.87	10/29/2020	752.93	757.78	754.95
10/29/2020	752.87	0	1200	0	0	1200	4000	1.88	700	1900	1760	6000	6880	752.76	10/30/2020	752.82	757.68	754.93
10/30/2020	752.76	0	1200	0	0	1200	4000	1.88	700	1900	1760	6000	6880	752.65	10/31/2020	752.71	757.58	754.93
10/31/2020	752.65	0	1200	0	0	1200	4000	1.88	700	1900	1760	6000	6880	752.54	11/1/2020	752.60	757.47	754.89
11/1/2020	752.54	0	1200	0	0	1200	4000	1.88	700	1900	1760	6000	6880	753.84	10/20/2020		758.61	754.87
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: _____

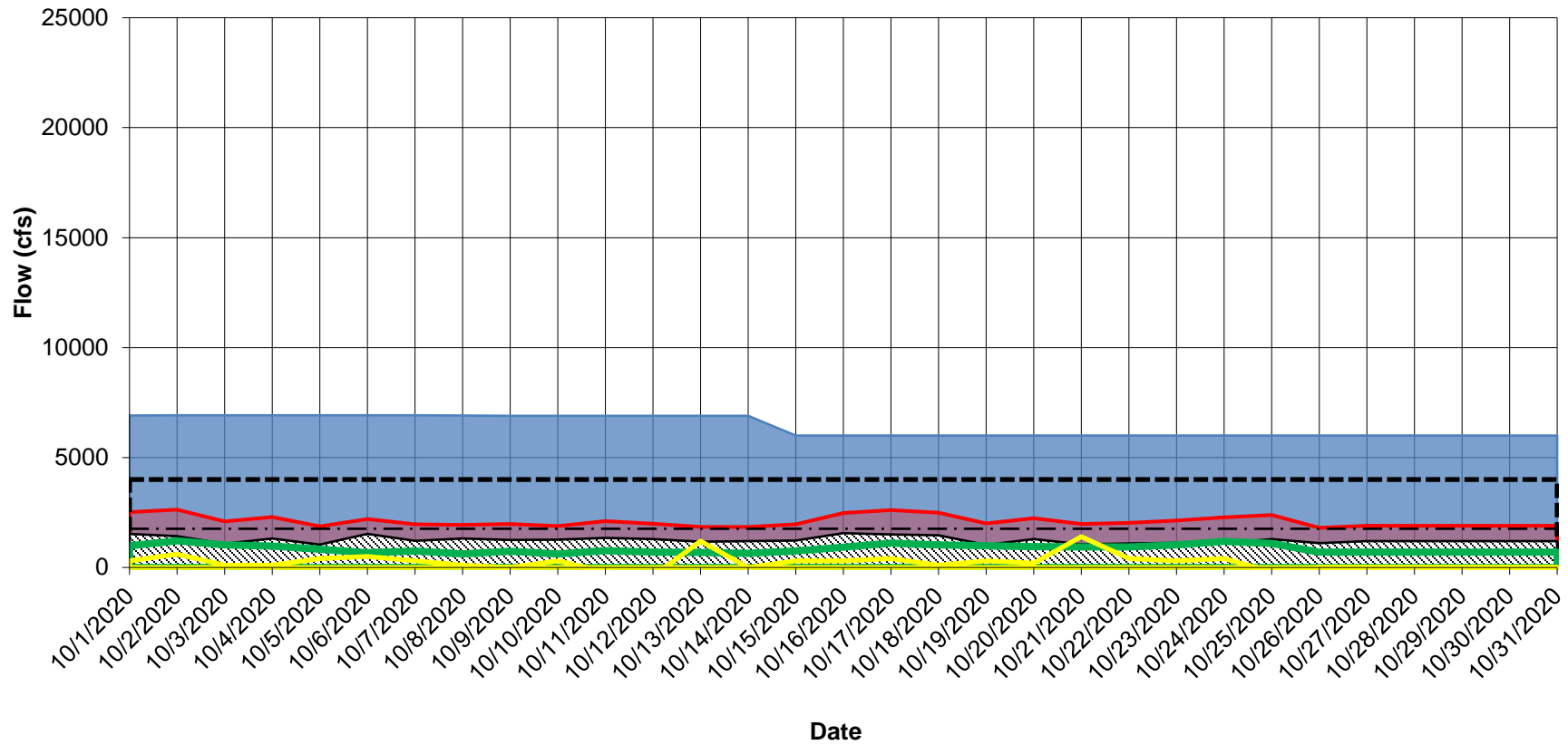
Date: _____

**GREAT SACANDAGA LAKE
RESERVOIR OPERATION SUMMARY**

Print Date: 10/26/2020
Period of Record: 10/1/2020 to 10/29/2020

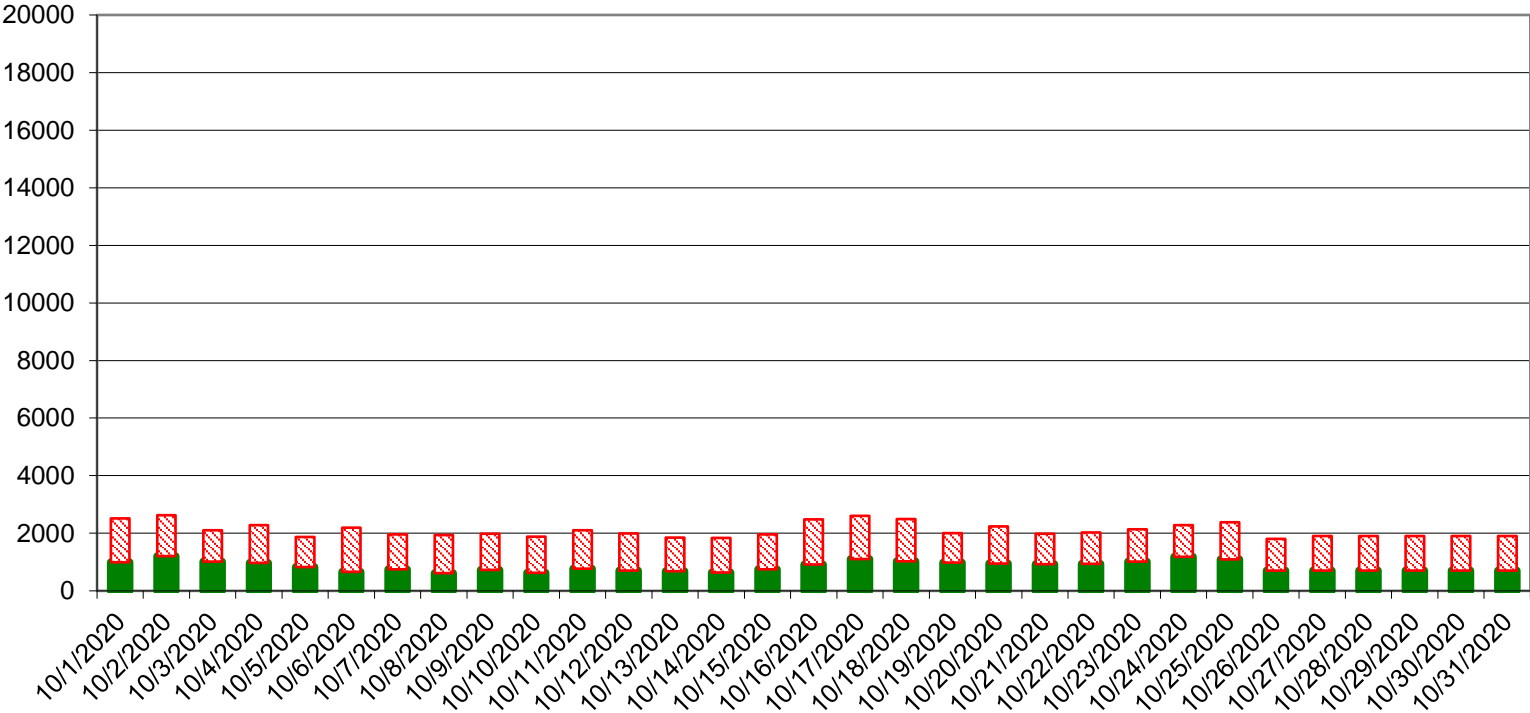
Starting Date 12:00 AM	Daily Avg. Elevation	Net Average Inflow	Sacandaga River Flow Average Release (Table F - Elev.)		Settlement Level	Hudson at Hadley	Hudson River Below Confluence	Hudson River Target Flow Minimum (Table B - Level) Maximum (Table D & E)		Maximum Allowable Sacandaga
10/1/2020	755.45	300	1530	4000	1.91	991	2521	1760	6910	4000
10/2/2020	755.35	600	1420	4000	1.92	1210	2630	1760	6920	4000
10/3/2020	755.27	100	1080	4000	1.92	1020	2100	1760	6920	4000
10/4/2020	755.17	100	1320	4000	1.92	967	2287	1760	6920	4000
10/5/2020	755.08	400	1040	4000	1.92	829	1869	1760	6920	4000
10/6/2020	755.00	500	1530	4000	1.92	664	2194	1760	6920	4000
10/7/2020	754.91	300	1210	4000	1.92	749	1959	1760	6920	4000
10/8/2020	754.81	100	1320	4000	1.91	618	1938	1760	6910	4000
10/9/2020	754.69	0	1250	4000	1.91	732	1982	1760	6900	4000
10/10/2020	754.59	300	1260	4000	1.91	623	1883	1760	6900	4000
10/11/2020	754.47	-200	1340	4000	1.90	766	2106	1760	6900	4000
10/12/2020	754.32	-400	1290	4000	1.90	699	1989	1760	6900	4000
10/13/2020	754.24	1200	1170	4000	1.90	677	1847	1760	6900	4000
10/14/2020	754.19	0	1200	4000	1.90	640	1840	1760	6890	4000
10/15/2020	754.09	300	1220	4000	1.89	745	1965	1760	6000	4000
10/16/2020	753.98	300	1560	4000	1.89	917	2477	1760	6000	4000
10/17/2020	753.87	400	1500	4000	1.89	1110	2610	1760	6000	4000
10/18/2020	753.76	100	1460	4000	1.90	1030	2490	1760	6000	4000
10/19/2020	753.66	300	1020	4000	1.90	987	2007	1760	6000	4000
10/20/2020	753.57	200	1290	4000	1.90	946	2236	1760	6000	4000
10/21/2020	753.54	1400	1050	4000	1.89	932	1982	1760	6000	4000
10/22/2020	753.52	400	1090	4000	1.89	935	2025	1760	6000	4000
10/23/2020	753.44	300	1120	4000	1.89	1020	2140	1760	6000	4000
10/24/2020	753.37	400	1100	4000	1.88	1180	2280	1760	6000	4000
10/25/2020	753.26	-200	1290	4000	1.88	1090	2380	1760	6000	4000
10/26/2020	753.14	0	1100	4000	1.88	700	1800	1760	6000	4000
10/27/2020	753.04	0	1200	4000	1.88	700	1900	1760	6000	4000
10/28/2020	752.93	0	1200	4000	1.88	700	1900	1760	6000	4000
10/29/2020	752.82	0	1200	4000	1.88	700	1900	1760	6000	4000
10/30/2020	752.71	0	1200	4000	1.88	700	1900	1760	6000	4000
10/31/2020	752.60	0	1200	4000	1.88	700	1900	1760	6000	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 2020

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	759.06	759.04	62	148	1460	475	1935
2	758.97	758.98	66	158	1520	624	2144
3	758.87	758.93	75	179	1480	513	1993
4	758.79	758.77	80	191	1510	640	2150
5	758.65	758.67	74	177	1490	592	2082
6	758.52	758.45	65	155	1500	725	2225
7	758.40	758.44	58	138	1480	625	2105
8	758.26	758.26	54	129	1480	553	2033
9	758.15	758.14	53	127	1490	494	1984
10	758.03	758.04	52	124	1510	412	1922
11	757.86	757.87	49	117	1530	494	2024
12	757.75	757.77	47	112	1520	371	1891
13	757.64	757.67	46	110	1500	448	1948
14	757.51	757.60	52	124	1520	426	1946
15	757.37	757.41	50	119	1500	340	1840
16	757.25	757.31	46	110	1650	409	2059
17	757.08	757.19	44	105	1670	354	2024
18	756.91	757.01	42	100	1680	424	2104
19	756.77	756.91	40	95	1690	335	2025
20	756.61	756.67	39	93	1690	400	2090
21	756.47	756.51	38	91	1630	382	2012
22	756.33	756.43	37	88	1590	314	1904
23	756.22	756.33	36	86	1510	348	1858
24	756.09	756.22	35	84	1530	325	1855
25	755.93	756.02	34	81	1510	363	1873
26	755.81	755.90	33	79	1520	317	1837
27	755.69	755.80	32	76	1530	362	1892
28	755.57	755.63	33	79	1540	385	1925
29	755.46	755.52	35	84	1520	332	1852
30	755.53	755.31	207	494	1520	678	2198

AVERAGE 54 128 1540 450 1990

CHANGE IN STORAGE DURING THE MONTH -3.49 B.C.F.

CHIEF ENGINEER

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

Monthly Report for: September, 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	1646.33	1646.35	109	148	90	409
2	1646.31	1646.32	128	148	89	250
3	1646.30	1646.31	69	148	171	419
4	1646.25	1646.27	10	148	231	352
5	1646.19	1646.20	30	148	187	547
6	1646.12	1646.14	49	147	146	437
7	1646.08	1646.10	48	146	117	360
8	1645.99	1646.04	-11	146	97	326
9	1645.93	1645.96	48	146	84	215
10	1645.86	1645.91	-11	146	74	335
11	1645.78	1645.83	8	146	65	200
12	1645.72	1645.76	8	146	56	321
13	1645.67	1645.69	67	146	51	272
14	1645.59	1645.65	-72	144	55	172
15	1645.53	1645.54	46	144	61	298
16	1645.45	1645.49	-33	144	55	185
17	1645.35	1645.40	-33	144	49	310
18	1645.26	1645.31	-33	144	45	176
19	1645.19	1645.22	45	143	41	301
20	1645.12	1645.17	-15	142	37	255
21	1645.04	1645.09	-15	142	35	156
22	1644.97	1645.01	-35	142	32	273
23	1644.91	1644.92	63	142	31	160
24	1644.84	1644.88	-35	142	30	282
25	1644.77	1644.79	83	142	28	159
26	1644.71	1644.76	-35	142	26	284
27	1644.65	1644.67	62	141	25	239
28	1644.59	1644.63	2	140	25	147
29	1644.54	1644.56	141	141	26	269
30	1644.67	1644.56	456	141	117	387

AVERAGE 38 144 73 283

CHANGE IN STORAGE DURING THE MONTH -0.275 B.C.F

 CHIEF ENGINEER

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

Monthly Report for: September 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	1669.91	1669.98	-7	300	134	489	1470
2	1669.80	1669.85	147	300	117	425	1300
3	1669.71	1669.77	70	300	145	361	1150
4	1669.58	1669.64	70	300	132	296	989
5	1669.46	1669.53	90	300	112	351	953
6	1669.34	1669.41	32	300	100	325	1010
7	1669.21	1669.28	70	300	93	353	955
8	1669.09	1669.15	70	300	84	282	934
9	1668.98	1669.04	90	300	87	394	858
10	1668.86	1668.92	70	300	86	275	879
11	1668.74	1668.81	70	300	81	284	767
12	1668.61	1668.68	-6	300	78	376	776
13	1668.47	1668.53	128	300	84	320	800
14	1668.35	1668.43	-6	300	118	301	835
15	1668.20	1668.28	-25	300	102	404	822
16	1668.02	1668.11	-6	300	90	344	1010
17	1667.87	1667.94	-6	300	85	336	892
18	1667.71	1667.79	32	300	82	371	832
19	1667.58	1667.64	51	300	84	388	695
20	1667.45	1667.51	70	300	85	352	851
21	1667.33	1667.39	51	300	82	336	838
22	1667.20	1667.26	51	300	80	313	755
23	1667.06	1667.13	70	300	84	294	745
24	1666.93	1667.01	13	300	82	294	744
25	1666.80	1666.87	51	300	85	282	739
26	1666.66	1666.73	32	300	81	295	732
27	1666.52	1666.60	51	300	82	292	734
28	1666.39	1666.46	32	300	86	269	758
29	1666.30	1666.33	243	300	111	272	735
30	1666.29	1666.30	243	300	254	340	782

AVERAGE 61 300 100 330 880

CHANGE IN STORAGE DURING THE MONTH -0.62 B.C.F.

 CHIEF ENGINEER

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

Monthly Report for: September, 2020

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1785.81	1785.81	3	0.00	0.04	3
2	1785.82	1785.80	3	0.00	0.04	3
3	1785.86	1785.85	3	0.00	0.04	3
4	1785.85	1785.85	3	0.00	0.04	3
5	1785.84	1785.84	3	0.00	0.04	3
6	1785.84	1785.85	3	0.00	0.04	3
7	1785.83	1785.85	3	0.00	0.04	3
8	1785.83	1785.83	3	0.00	0.04	3
9	1785.83	1785.83	3	0.00	0.04	3
10	1785.83	1785.83	3	0.00	0.04	3
11	1785.83	1785.83	3	0.00	0.04	3
12	1785.81	1785.82	3	0.00	0.04	3
13	1785.81	1785.81	3	0.00	0.04	3
14	1785.83	1785.83	3	0.00	0.04	3
15	1785.82	1785.82	3	0.00	0.04	3
16	1785.80	1785.81	3	0.00	0.04	3
17	1785.80	1785.80	3	0.00	0.04	3
18	1785.80	1785.80	3	0.00	0.04	3
19	1785.78	1785.79	3	0.00	0.04	3
20	1785.77	1785.78	3	0.00	0.04	3
21	1785.76	1785.76	3	0.00	0.04	3
22	1785.75	1785.75	3	0.00	0.04	3
23	1785.74	1785.75	3	0.00	0.04	3
24	1785.74	1785.75	3	0.00	0.04	3
25	1785.74	1785.75	3	0.00	0.04	3
26	1785.74	1785.75	3	0.00	0.04	3
27	1786.04	1785.74	3	0.00	0.04	3
28	1785.74	1785.73	3	0.00	0.04	3
29	1785.77	1785.75	3	0.00	0.04	3
30	1785.89	1785.83	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: September, 2020

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1706.98	1706.98	-8	0.08	0.08	8
2	1706.98	1706.97	89	0.08	0.08	8
3	1707.02	1707.02	-24	0.08	0.08	8
4	1706.99	1707.00	8	0.08	0.08	8
5	1706.99	1707.00	24	0.08	0.08	8
6	1707.01	1707.01	24	0.08	0.08	8
7	1706.99	1707.02	-41	0.08	0.08	8
8	1707.00	1706.99	40	0.08	0.08	8
9	1707.00	1707.01	8	0.08	0.08	8
10	1707.00	1707.01	8	0.08	0.08	8
11	1707.01	1707.01	8	0.08	0.08	8
12	1707.00	1707.01	-41	0.08	0.08	8
13	1707.00	1706.98	57	0.08	0.08	8
14	1707.02	1707.01	40	0.08	0.08	8
15	1707.01	1707.03	-24	0.08	0.08	8
16	1707.00	1707.01	-8	0.08	0.08	8
17	1707.01	1707.00	8	0.08	0.08	8
18	1707.01	1707.00	8	0.08	0.08	8
19	1706.99	1707.00	-8	0.08	0.08	8
20	1706.99	1706.99	-8	0.08	0.08	8
21	1706.98	1706.98	8	0.08	0.08	8
22	1706.97	1706.98	-24	0.08	0.08	8
23	1706.95	1706.96	24	0.08	0.08	8
24	1706.96	1706.97	8	0.08	0.08	8
25	1706.96	1706.97	8	0.08	0.08	8
26	1706.96	1706.97	8	0.08	0.08	8
27	1706.96	1706.97	24	0.08	0.08	8
28	1706.98	1706.98	8	0.08	0.08	8
29	1707.01	1706.98	186	0.08	0.08	8
30	1706.99	1707.09	-141	4.00	4.00	243

AVERAGE 9 16

CHANGE IN STORAGE DURING THE MONTH -0.018 B.C.F

 CHIEF ENGINEER

STATE OF NEW YORK
 HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
SACANDAGA RESERVOIR OPERATION
 FOR WEEK ENDING: October 3, 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 26	755.90	22.36	12 AM - Mid	1,520	317	1,837
Sunday 27	755.80	22.26	12 AM - Mid	1,530	362	1,892
Monday 28	755.63	22.09	12 AM - Mid	1,540	385	1,925
Tuesday 29	755.52	21.98	12 AM - Mid	1,520	332	1,852
Wednesday 30	755.31	21.76	12 AM - Mid	1,520	678	2,198
Thursday 1	755.58	22.04	12 AM - Mid	1,530	991	2,521
Friday 2	755.44	21.90	12 AM - Mid	1,420	1,210	2,630
Saturday 3	755.32	21.78	12 AM - Mid	1,080	967	2,047

CHANGE IN STORAGE DURING THE WEEK	-0.57	* 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	766.53	33.61	6	2018	758.74	25.22
2	2017	759.99	26.52	7	2012	758.35	24.82
3	2014	759.48	25.99	8	2015	757.76	24.22
4	2019	759.36	25.86	9	2016	755.87	22.33
5	2013	759.06	25.55	10	2020	755.32	21.78

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: October 10, 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 3	755.32	21.78	12 AM - Mid	1,080	967	2,047
Sunday 4	755.21	21.67	12 AM - Mid	1,320	967	2,287
Monday 5	755.11	21.57	12 AM - Mid	1,040	829	1,869
Tuesday 6	755.02	21.49	12 AM - Mid	1,530	664	2,194
Wednesday 7	754.96	21.43	12 AM - Mid	1,210	749	1,959
Thursday 8	754.90	21.37	12 AM - Mid	1,320	618	1,938
Friday 9	754.73	21.21	12 AM - Mid	1,250	732	1,982
Saturday 10	754.61	21.09	12 AM - Mid	1,260	623	1,883
CHANGE IN STORAGE DURING THE WEEK		-0.69	* 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	765.35	32.30	6	2013	758.96	25.45
2	2019	759.49	26.00	7	2012	758.18	24.65
3	2017	759.41	25.92	8	2015	757.90	24.36
4	2014	759.04	25.53	9	2016	755.02	21.49
5	2018	758.96	25.45	10	2020	754.61	21.09

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: October 17, 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 10	754.61	21.09	12 AM - Mid	1,260	623	1,883
Sunday 11	754.53	21.01	12 AM - Mid	1,340	766	2,106
Monday 12	754.36	20.85	12 AM - Mid	1,290	699	1,989
Tuesday 13	754.25	20.74	12 AM - Mid	1,170	677	1,847
Wednesday 14	754.23	20.72	12 AM - Mid	1,200	640	1,840
Thursday 15	754.09	20.58	12 AM - Mid	1,220	745	1,965
Friday 16	754.03	20.53	12 AM - Mid	1,560	917	2,477
Saturday 17	753.92	20.42	12 AM - Mid	1,500	1,110	2,610
CHANGE IN STORAGE DURING THE WEEK		-0.67	* 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	765.60	32.58	6	2013	758.46	24.93
2	2019	759.46	25.97	7	2012	758.07	24.53
3	2018	759.44	25.95	8	2015	757.75	24.21
4	2017	758.95	25.44	9	2016	754.13	20.62
5	2014	758.65	25.13	10	2020	753.92	20.42

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: October 24, 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 17	753.92	20.42	12 AM - Mid	1,500	1,110	2,610
Sunday 18	753.87	20.37	12 AM - Mid	1,460	1,030	2,490
Monday 19	753.64	20.15	12 AM - Mid	1,020	987	2,007
Tuesday 20	753.66	20.17	12 AM - Mid	1,290	946	2,236
Wednesday 21	753.51	20.03	12 AM - Mid	1,050	932	1,982
Thursday 22	753.56	20.07	12 AM - Mid	1,090	935	2,025
Friday 23	753.48	20.00	12 AM - Mid	1,120	1,020	2,140
Saturday 24	753.38	19.90	12 AM - Mid	1,100	1,180	2,280
CHANGE IN STORAGE DURING THE WEEK		-0.52	* 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	765.82	32.82	6	2017	758.40	24.87
2	2019	761.50	28.11	7	2013	758.12	24.58
3	2012	760.86	27.43	8	2015	757.38	23.84
4	2018	759.00	25.49	9	2016	753.88	20.38
5	2014	758.55	25.03	10	2020	753.38	19.90

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: October 3, 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 26	1,644.76	2.57	12 AM - Mid	140	26	284
Sunday 27	1,644.67	2.56	12 AM - Mid	140	25	239
Monday 28	1,644.63	2.55	12 AM - Mid	139	25	147
Tuesday 29	1,644.56	2.54	12 AM - Mid	139	26	269
Wednesday 30	1,644.56	2.54	12 AM - Mid	140	117	387
Thursday 1	1,644.72	2.57	12 AM - Mid	140	264	877
Friday 2	1,644.64	2.55	12 AM - Mid	139	241	692
Saturday 3	1,644.62	2.55	12 AM - Mid	139	184	682

CHANGE IN STORAGE DURING THE WEEK	-0.03	* 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	1,646.37	2.85	6	2015	1,643.54	2.37
2	2020	1,644.62	2.55	7	2013	1,643.31	2.33
3	2017	1,644.57	2.54	8	2014	1,642.45	2.19
4	2019	1,644.56	2.54	9	2012	1,642.22	2.15
5	2011	1,643.65	2.38	10	2016	1,641.77	2.08

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: October 10, 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 3	1,644.62	2.55	12 AM - Mid	139	184	682
Sunday 4	1,644.58	2.54	12 AM - Mid	139	152	515
Monday 5	1,644.52	2.53	12 AM - Mid	138	131	335
Tuesday 6	1,644.48	2.52	12 AM - Mid	137	115	454
Wednesday 7	1,644.42	2.51	12 AM - Mid	136	106	292
Thursday 8	1,644.41	2.51	12 AM - Mid	135	123	451
Friday 9	1,644.34	2.50	12 AM - Mid	135	160	321
Saturday 10	1,644.31	2.50	12 AM - Mid	135	151	497
CHANGE IN STORAGE DURING THE WEEK		-0.05	* 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	1,646.06	2.79	6	2013	1,643.06	2.29
2	2019	1,644.79	2.58	7	2011	1,642.72	2.23
3	2020	1,644.31	2.50	8	2014	1,642.33	2.17
4	2017	1,644.30	2.49	9	2012	1,641.99	2.12
5	2015	1,643.35	2.34	10	2016	1,641.11	1.98

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: October 17, 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 10	1,644.31	2.50	12 AM - Mid	135	151	497
Sunday 11	1,644.22	2.48	12 AM - Mid	134	132	429
Monday 12	1,644.25	2.49	12 AM - Mid	133	117	396
Tuesday 13	1,644.20	2.48	12 AM - Mid	133	114	299
Wednesday 14	1,644.17	2.47	12 AM - Mid	133	136	421
Thursday 15	1,644.13	2.46	12 AM - Mid	133	137	523
Friday 16	1,644.08	2.46	12 AM - Mid	133	128	568
Saturday 17	1,644.07	2.45	12 AM - Mid	133	130	537

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	2018	1,646.11	2.80	6	2015	1,643.12	2.30
2	2019	1,644.60	2.54	7	2013	1,642.66	2.22
3	2020	1,644.07	2.45	8	2012	1,642.14	2.14
4	2017	1,643.98	2.44	9	2014	1,642.12	2.14
5	2011	1,643.77	2.40	10	2016	1,640.48	1.88

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: October 24, 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 17	1,644.07	2.45	12 AM - Mid	133	130	537
Sunday 18	1,644.03	2.45	12 AM - Mid	133	138	502
Monday 19	1,644.00	2.44	12 AM - Mid	133	131	467
Tuesday 20	1,643.97	2.44	12 AM - Mid	133	139	424
Wednesday 21	1,643.98	2.44	12 AM - Mid	133	266	480
Thursday 22	1,644.00	2.44	12 AM - Mid	133	373	685
Friday 23	1,644.00	2.44	12 AM - Mid	133	405	800
Saturday 24	1,644.00	2.44	12 AM - Mid	133	326	802

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	2019	1,646.07	2.79	6	2017	1,643.45	2.35
2	2018	1,645.48	2.69	7	2015	1,642.82	2.25
3	2011	1,644.15	2.47	8	2013	1,642.58	2.21
4	2020	1,644.00	2.44	9	2014	1,642.24	2.16
5	2012	1,643.79	2.41	10	2016	1,641.13	1.98

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: [October 3, 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 26	1,666.73	2.01	12 AM -Mid	300	295	732
Sunday 27	1,666.60	1.99	12 AM -Mid	300	292	734
Monday 28	1,666.46	1.97	12 AM -Mid	300	269	758
Tuesday 29	1,666.33	1.94	12 AM -Mid	300	272	735
Wednesday 30	1,666.30	1.94	12 AM -Mid	300	240	782
Thursday 1	1,666.27	1.93	12 AM -Mid	300	481	1,390
Friday 2	1,666.17	1.92	12 AM -Mid	300	350	1,650
Saturday 3	1,666.07	1.90	12 AM -Mid	300	343	1,700
CHANGE IN STORAGE DURING THE WEEK		-0.11				

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	1,671.79	2.92	6	2014	1,669.04	2.39
2	2015	1,670.92	2.74	7	2013	1,668.27	2.26
3	2017	1,670.50	2.66	8	2012	1,667.04	2.06
4	2011	1,669.49	2.47	9	2020	1,666.07	1.90
5	2016	1,669.22	2.42	10	2018	1,665.72	1.84

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: **October 10, 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 3	1,666.07	1.90	12 AM -Mid	300	343	1,700
Sunday 4	1,665.96	1.88	12 AM -Mid	300	290	1,390
Monday 5	1,665.84	1.86	12 AM -Mid	300	293	1,070
Tuesday 6	1,665.72	1.84	12 AM -Mid	300	325	1,040
Wednesday 7	1,665.58	1.82	12 AM -Mid	300	329	957
Thursday 8	1,665.49	1.80	12 AM -Mid	300	271	996
Friday 9	1,665.40	1.79	12 AM -Mid	300	279	1,090
Saturday 10	1,665.26	1.77	12 AM -Mid	300	289	1,120

CHANGE IN STORAGE DURING THE WEEK	-0.13
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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	1,671.83	2.93	6	2016	1,668.21	2.25
2	2015	1,670.60	2.67	7	2013	1,667.74	2.18
3	2017	1,670.09	2.57	8	2012	1,666.64	1.99
4	2014	1,668.70	2.34	9	2018	1,665.47	1.80
5	2011	1,668.57	2.31	10	2020	1,665.26	1.77

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: **October 17, 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 10	1,665.26	1.77	12 AM -Mid	300	291	1,120
Sunday 11	1,665.17	1.75	12 AM -Mid	300	316	1,080
Monday 12	1,665.06	1.73	12 AM -Mid	300	285	1,100
Tuesday 13	1,664.93	1.71	12 AM -Mid	300	290	1,070
Wednesday 14	1,664.83	1.69	12 AM -Mid	300	313	1,040
Thursday 15	1,664.73	1.68	12 AM -Mid	300	349	1,120
Friday 16	1,664.64	1.66	12 AM -Mid	300	356	1,210
Saturday 17	1,664.60	1.66	12 AM -Mid	300	356	1,310

CHANGE IN STORAGE DURING THE WEEK	-0.11
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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	1,671.54	2.87	6	2016	1,667.11	2.07
2	2015	1,670.44	2.64	7	2018	1,667.00	2.05
3	2017	1,669.89	2.53	8	2013	1,666.97	2.05
4	2014	1,669.20	2.42	9	2012	1,666.69	2.00
5	2011	1,669.12	2.40	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 - datum revised

CHIEF ENGINEER

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

FOR WEEK ENDING: **October 24, 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 17	1,664.60	1.66	12 AM -Mid	300	356	1,310
Sunday 18	1,664.51	1.64	12 AM -Mid	300	352	1,590
Monday 19	1,664.39	1.62	12 AM -Mid	300	426	1,710
Tuesday 20	1,664.33	1.61	12 AM -Mid	300	422	1,870
Wednesday 21	1,664.40	1.62	12 AM -Mid	300	567	2,470
Thursday 22	1,664.50	1.64	12 AM -Mid	300	641	3,320
Friday 23	1,664.57	1.65	12 AM -Mid	154	491	3,310
Saturday 24	1,664.64	1.66	12 AM -Mid	50	285	2,600

CHANGE IN STORAGE DURING THE WEEK	0.01
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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	1,672.91	3.17	6	2016	1,668.37	2.28
2	2015	1,670.45	2.65	7	2012	1,667.32	2.11
3	2011	1,670.29	2.61	8	2018	1,667.13	2.08
4	2014	1,670.14	2.58	9	2013	1,666.65	2.00
5	2017	1,669.33	2.44	10	2020	1,664.64	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 - datum revised

CHIEF ENGINEER

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

FOR WEEK ENDING: **October 3, 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 26	1,706.97	0.922	8	1,785.75	0.294	3
Sunday 27	1,706.97	0.922	8	1,785.74	0.294	3
Monday 28	1,706.98	0.923	8	1,785.73	0.293	3
Tuesday 29	1,706.98	0.923	8	1,785.75	0.294	3
Wednesday 30	1,707.09	0.937	243	1,785.83	0.297	3
Thursday 1	1,706.85	0.904	123	1,785.91	0.299	3
Friday 2	1,706.89	0.910	8	1,785.92	0.299	3
Saturday 3	1,706.89	0.910	8	1,785.92	0.299	3
CHANGE IN STORAGE		-0.011			0.005	

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	1,707.17	0.950	1	2019	1,786.03	0.303
2	2018	1,707.00	0.926	2	2017	1,785.97	0.301
3	2020	1,706.89	0.910	3	2020	1,785.92	0.299
4	2016	1,706.89	0.910	4	2018	1,785.87	0.298
5	2017	1,706.86	0.907	5	2016	1,785.87	0.298

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: October 10, 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 3	1,706.89	0.910	8	1,785.92	0.299	3
Sunday 4	1,706.89	0.910	8	1,785.92	0.299	3
Monday 5	1,706.88	0.909	8	1,785.92	0.299	3
Tuesday 6	1,706.89	0.910	8	1,785.92	0.299	3
Wednesday 7	1,706.88	0.909	8	1,785.91	0.299	3
Thursday 8	1,706.92	0.915	8	1,785.95	0.300	3
Friday 9	1,706.93	0.916	8	1,785.96	0.301	3
Saturday 10	1,706.90	0.912	8	1,785.96	0.301	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	2019	1,707.05	0.933	1	2018	1,786.06	0.304
2	2017	1,706.97	0.922	2	2017	1,785.97	0.301
3	2018	1,706.96	0.920	3	2020	1,785.96	0.301
4	2020	1,706.90	0.912	4	2016	1,785.85	0.297
5	2016	1,706.85	0.905	5	2019	1,785.70	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

STATE OF NEW YORK
 HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
 FULTON CHAIN RESERVOIR OPERATION
 FOR WEEK ENDING: **October 17, 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 10	1,706.90	0.912	8	1,785.96	0.301	3
Sunday 11	1,706.93	0.916	8	1,785.99	0.302	3
Monday 12	1,706.95	0.919	8	1,785.99	0.302	3
Tuesday 13	1,706.95	0.919	8	1,785.99	0.302	3
Wednesday 14	1,706.96	0.920	8	1,786.03	0.303	3
Thursday 15	1,706.97	0.922	122	1,786.04	0.303	3
Friday 16	1,706.91	0.913	348	1,786.05	0.304	82
Saturday 17	1,706.75	0.892	343	1,785.88	0.298	131
CHANGE IN STORAGE		-0.020			-0.003	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	1,706.78	0.896	1	2020	1,785.88	0.298
2	2020	1,706.75	0.892	2	2019	1,785.71	0.292
3	2018	1,706.36	0.839	3	2016	1,785.58	0.289
4	2016	1,706.22	0.820	4	2018	1,785.20	0.276
5	2017	1,706.19	0.816	5	2017	1,785.10	0.273

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: [October 24, 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 17	1,706.75	0.892	343	1,785.88	0.298	131
Sunday 18	1,706.60	0.870	337	1,785.91	0.299	128
Monday 19	1,706.45	0.851	144	1,785.35	0.281	66
Tuesday 20	1,706.42	0.847	41	1,785.26	0.278	29
Wednesday 21	1,706.50	0.858	78	1,785.30	0.280	34
Thursday 22	1,706.51	0.859	98	1,785.30	0.280	36
Friday 23	1,706.50	0.858	97	1,785.27	0.279	36
Saturday 24	1,706.44	0.850	97	1,785.22	0.277	36
CHANGE IN STORAGE		-0.042			-0.021	

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	1,707.22	0.957	1	2020	1,785.22	0.277
2	2020	1,706.44	0.850	2	2016	1,785.14	0.274
3	2016	1,706.31	0.832	3	2018	1,784.96	0.269
4	2018	1,706.19	0.816	4	2017	1,784.88	0.266
5	2017	1,706.08	0.801	5	2019	1,784.76	0.262

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

Datum: NAVD 88

CHIEF ENGINEER