

REPORT OF CHIEF ENGINEER
HUDSON RIVER - BLACK RIVER REGULATING DISTRICT
BOARD MEETING
JUNE 9, 2020 – MAYFIELD, NEW YORK

HUDSON RIVER AREA - MAY SUMMARY

Reservoir Operation

Great Sacandaga Lake

The May average daily release from the Sacandaga Reservoir (Great Sacandaga Lake) was approximately 1,740 cubic feet per second (cfs). The Upper Hudson / Sacandaga River Offer of Settlement target elevation for May 31 is 767.12 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
Apr. 30	766.23	+1.29	+2.64	0	3,650
May 31	766.7 (e)	+0.1 (e)	-0.4 (e)	0	510 (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 National Geodetic Vertical Datum

Indian Lake Reservoir

The May average daily release from Indian Lake was approximately 240 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	
Apr. 30	1,649.61	-0.10	-1.02	300
May 31	1,649.6 (e)	-0.3 (e)	-0.1 (e)	200 (e)

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

HUDSON RIVER AREA - MAY SUMMARY- continued

River Flow

Hudson River flow, downstream of the confluence with the Sacandaga River, was approximately 5,400 cfs on May 25 and approximately 2,500 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	1,090 (e)	1,730
Sacandaga at Stewarts Bridge	1,740 (e)	2,410
Indian at Indian Lake Dam	240 (e)	328
Hudson at Hadley (1)	3,500 (e)	5,210

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

Precipitation

Monthly total precipitation measured 31%, 51%, and 42% historic average at Indian Lake, Mayfield, and Conklingville, respectively, as of May 25

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

Station	Monthly Total (inch)	Historic Average (inch)
Indian Lake	1.21	3.89
Mayfield	2.01	3.92
Conklingville	1.52	3.60

HUDSON RIVER AREA - MAY SUMMARY- continued

Operation Overview

Precipitation during the month of May 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 63% and 56% of historic average, respectively. Monthly release of water from Great Sacandaga Lake and Indian Lake measured 71% and 60% of historic average, respectively.

Great Sacandaga Lake Operation

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

Reservoir Operations

Stillwater Reservoir

The May average daily release from Stillwater Reservoir was approximately 70 cfs. The maximum discharge for the month was 150 cfs.

Table 1.0 - *Stillwater Reservoir Elevation and Release*

Date	Daily Average Elevation (ft, NAVD)	Deviation from Average Elevation (ft) (1)	Release (cfs)
Apr. 30	1,673.16	-3.46	150
May 31	1,674.8 (e)	-3.1 (e)	50 (e)

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

Sixth Lake Reservoir

The May average daily release from Sixth Lake Reservoir was approximately 2 cfs.

Table 2.0 - *Sixth Lake Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
Apr. 30	1,783.50	-0.29	2
May 31	1,784.3 (e)	-1.1 (e)	2 (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 May average daily release from Old Forge Reservoir was approximately 4 cfs.

Table 3.0 - *Old Forge Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
Apr. 30	1,705.77	+0.17	4
May 31	1,706.6 (e)	0.0 (e)	4 (e)

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

BLACK RIVER AREA - MAY SUMMARY - continued

River Flow

The average daily Black River flow, as measured at the Watertown gauge, was approximately 1,940 cfs on May 25

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

River	Monthly Average Flow (cfs)	Historic Average Flow (1) (cfs)
Moose at McKeever	680 (e)	1,281
Beaver at Croghan	190 (e)	722
Black at Watertown	2,820 (e)	5,360

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 51%, 33%, 40% of historic average at Stillwater, Old Forge, and Sixth Lake, respectively, as of May 25.

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

Station	Monthly Total (inch)	Historic Average (inch)
Stillwater	2.28	4.46
Old Forge	1.51	4.57
Sixth Lake	1.61	4.00

BLACK RIVER AREA - MAY SUMMARY - continued

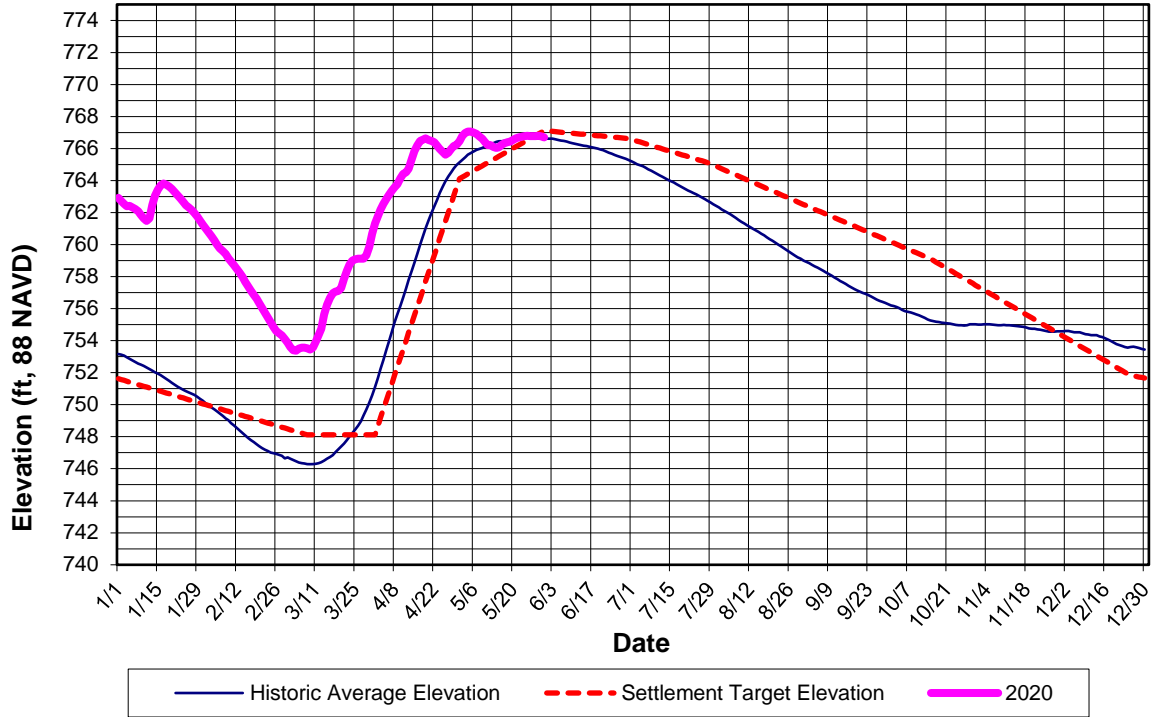
Operation Overview

Precipitation in the month of May was below average at Stillwater and below average at Sixth Lake and Old Forge. The monthly inflow to Stillwater Reservoir was approximately 41% of historic average. The inflow to Sixth Lake and Old Forge Reservoir totaled 0.03 and 0.12 billion cubic feet, respectively, in May. Release of water from Stillwater Reservoir averaged 14% of historic discharge.

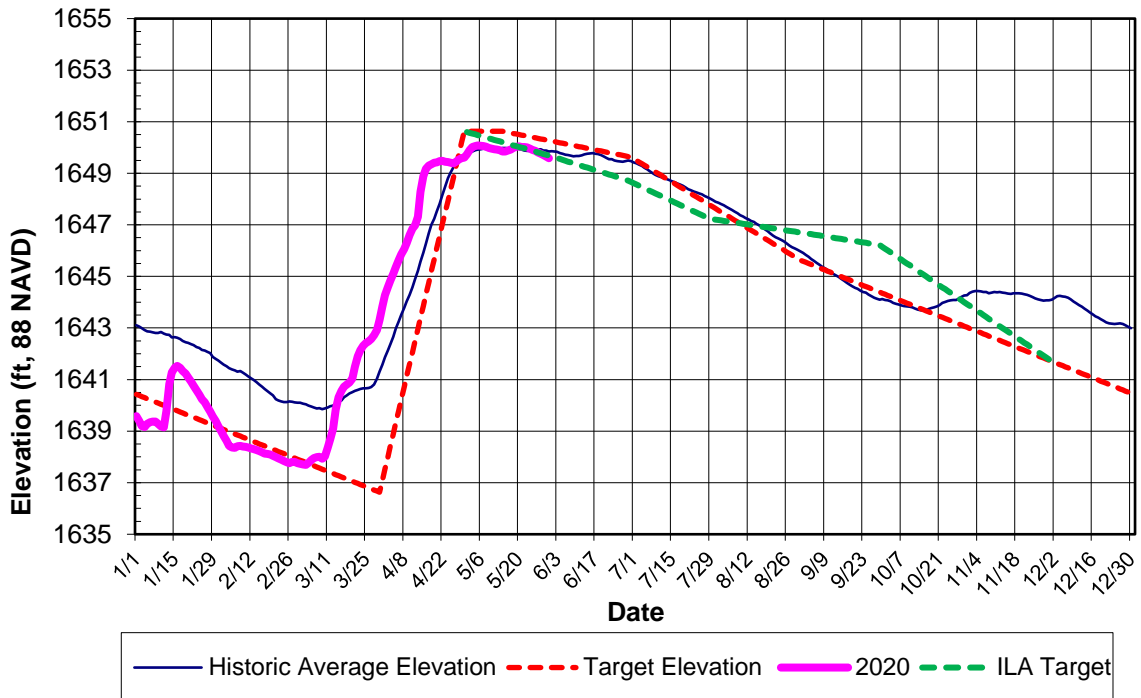
Black River Area Staff Activities

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

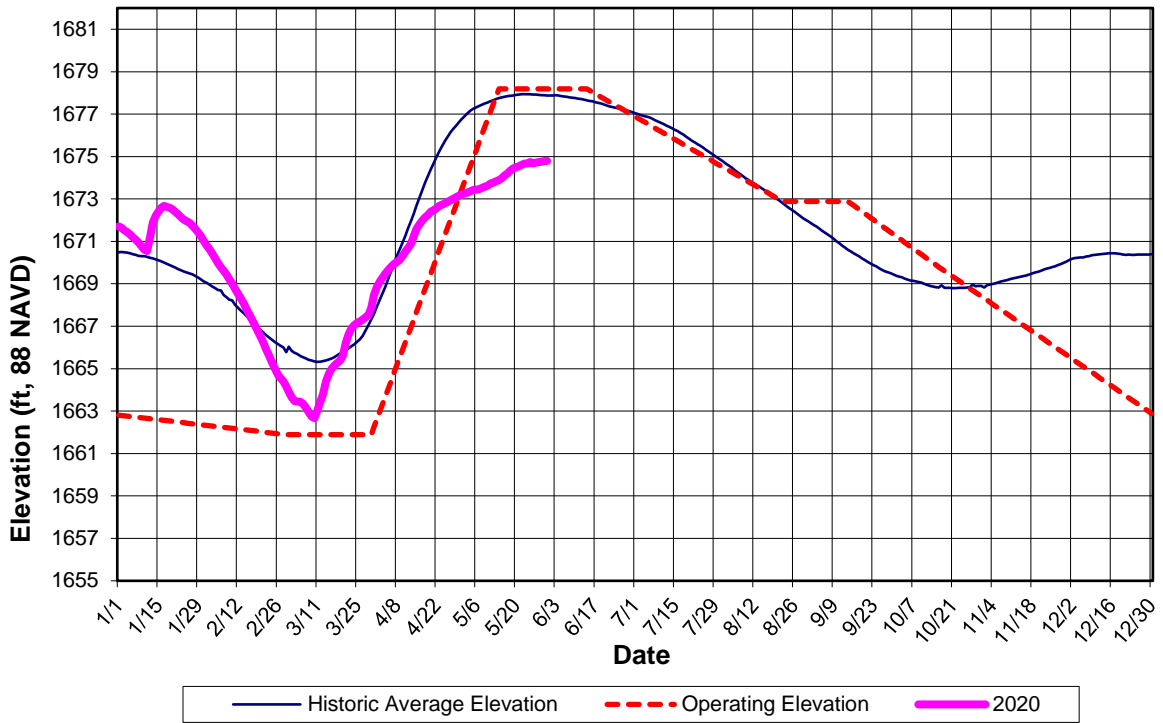
Great Sacandaga Lake 2020 Reservoir Elevation



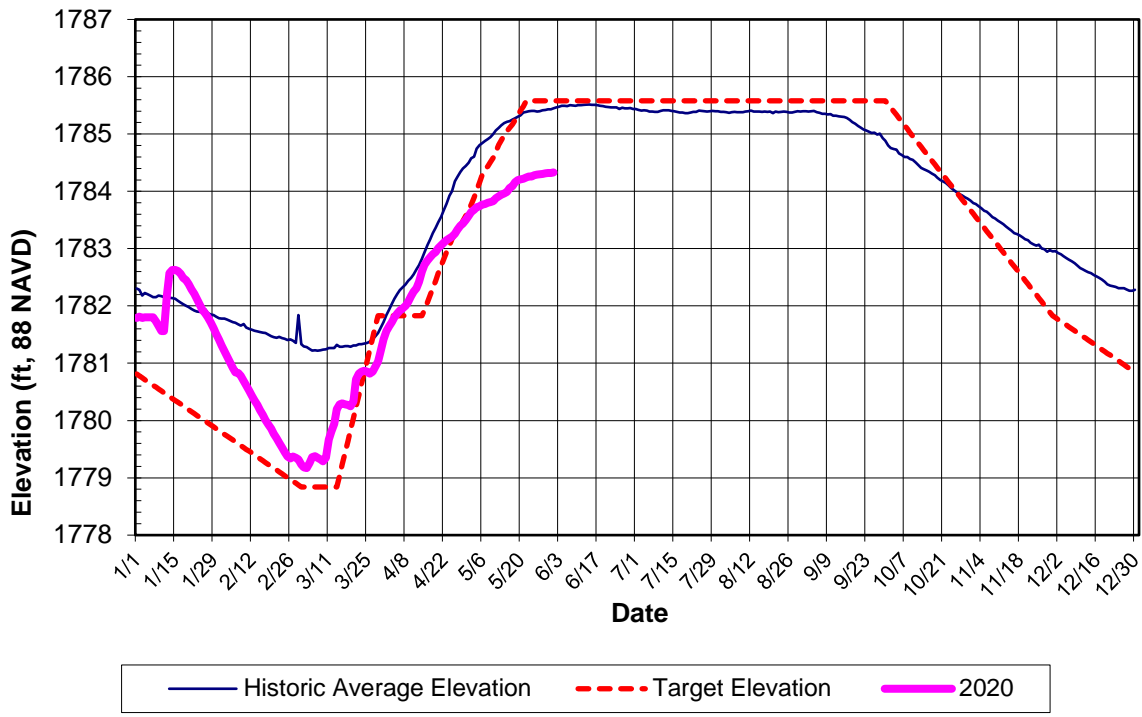
Indian Lake 2020 Reservoir Elevation



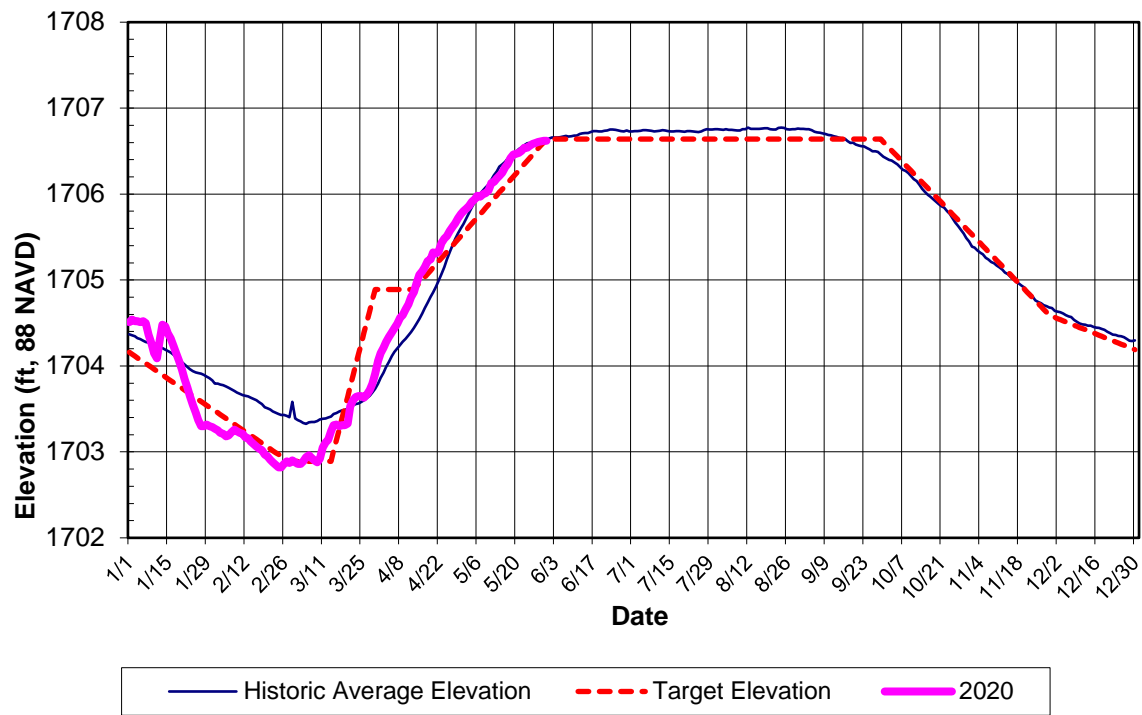
Stillwater Reservoir 2020 Reservoir Elevation



Sixth Lake 2020 Reservoir Elevation



Old Forge 2020 Reservoir Elevation



SACANDAGA RESERVOIR ELEVATION CALCULATOR

Datum:

1988 NAVD

Settlement Parameters		
Date	5/26/2020	
Target Elevation	766.62	
Actual "Level"	3.05	
"Level 2.5 threshold"		
"Level 1.2 threshold"	756.97	
Hudson River Target	Elevation	Level
Maximum Flow (cfs)	8000	7600
Minimum Flow (cfs)	n/a	2100
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	5/26/2020
Day of Year	4895
Starting Elevation (ft)	766.78
Average Elevation	766.78
Flow Below Hadley (cfs)	2700
Todays Release	500
Tomorrows Release	500

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

Dan McCarty 744-2067 Eric Johnson
Piezometers 518-696-5807 863-8791

ACTUAL High Value
SCHEDULED Low Value
ESTIMATED Instant. (min + rafting)
TO BE CHANGED
Spillway Crest 770.12 ft 88 NAVD

Starting Date 12:00 AM	Starting Elevation	Net Average Inflow	Sacandaga River Flow				Maximum Release (Table F - Elev.)	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	Maximum					Minimum (Table C - Level)	Maximum (Table D - Elev.)	Maximum (Table E - Level)					
5/1/2020	766.30	6600	2510	0	0	2510	5073	3.30	6350	8860	2600	8000	8100	766.61	5/2/2020	766.46	764.12	765.26
5/2/2020	766.61	5500	1920	0	0	1920	5213	3.30	7020	8940	2600	8000	8100	766.88	5/3/2020	766.75	764.22	765.43
5/3/2020	766.88	4000	2210	0	0	2210	5307	3.30	6540	8750	2600	8000	8100	767.01	5/4/2020	766.95	764.32	765.59
5/4/2020	767.01	3100	2450	0	0	2450	5353	3.32	5840	8290	2640	8000	8140	767.06	5/5/2020	767.04	764.42	765.70
5/5/2020	767.06	2300	2720	0	0	2720	5353	3.34	5360	8080	2680	8000	8180	767.02	5/6/2020	767.04	764.52	765.80
5/6/2020	767.02	2300	3150	0	0	3150	5307	3.34	4910	8060	2680	8000	8180	766.95	5/7/2020	766.99	764.62	765.89
5/7/2020	766.95	2200	3710	0	0	3710	5260	3.29	4340	8050	2580	8000	8080	766.83	5/8/2020	766.89	764.72	765.96
5/8/2020	766.83	1500	3810	0	0	3810	5213	3.26	3960	7770	2520	8000	8020	766.65	5/9/2020	766.74	764.82	766.03
5/9/2020	766.65	2200	4050	0	0	4050	5120	3.23	3680	7730	2460	8000	7960	766.50	5/10/2020	766.58	764.92	766.09
5/10/2020	766.50	900	4060	0	0	4060	5027	3.18	3500	7560	2360	8000	7860	766.25	5/11/2020	766.38	765.02	766.16
5/11/2020	766.25	2700	3070	0	0	3070	4980	3.15	3330	6400	2300	8000	7800	766.22	5/12/2020	766.24	765.12	766.23
5/12/2020	766.22	1500	2580	0	0	2580	4933	3.12	3500	6080	2240	8000	7740	766.13	5/13/2020	766.18	765.22	766.32
5/13/2020	766.13	1300	2560	0	0	2560	4887	3.09	3350	5910	2180	8000	7680	766.03	5/14/2020	766.08	765.32	766.38
5/14/2020	766.03	1400	1500	0	0	1500	4887	3.07	3070	4570	2140	8000	7640	766.02	5/15/2020	766.03	765.42	766.42
5/15/2020	766.02	3100	1040	0	0	1040	4887	3.05	2940	3980	2100	8000	7600	766.17	5/16/2020	766.10	765.52	766.43
5/16/2020	766.17	2400	889	0	0	889	4980	3.06	3060	3949	2120	8000	7620	766.28	5/17/2020	766.23	765.62	766.44
5/17/2020	766.28	2900	1650	0	0	1650	5027	3.08	3470	5120	2160	8000	7660	766.37	5/18/2020	766.33	765.72	766.47
5/18/2020	766.37	2500	2150	0	0	2150	5027	3.09	3610	5760	2180	8000	7680	766.39	5/19/2020	766.38	765.82	766.51
5/19/2020	766.39	2400	1300	0	0	1300	5073	3.08	3500	4800	2160	8000	7660	766.47	5/20/2020	766.43	765.92	766.55
5/20/2020	766.47	1900	573	0	0	573	5120	3.08	3300	3873	2160	8000	7660	766.57	5/21/2020	766.52	766.02	766.58
5/21/2020	766.57	1700	578	0	0	578	5120	3.08	2940	3518	2160	8000	7660	766.65	5/22/2020	766.61	766.12	766.61
5/22/2020	766.65	1600	576	0	0	576	5167	3.07	2710	3286	2140	8000	7640	766.72	5/23/2020	766.69	766.22	766.62
5/23/2020	766.72	1000	574	0	0	574	5213	3.07	2550	3124	2140	8000	7640	766.75	5/24/2020	766.74	766.32	766.63
5/24/2020	766.75	1000	564	0	0	564	5213	3.06	2420	2984	2120	8000	7620	766.78	5/25/2020	766.77	766.42	766.64
5/25/2020	766.78	700	575	0	0	575	5213	3.06	2290	2865	2120	8000	7620	766.78	5/26/2020	766.78	766.52	766.64
5/26/2020	766.78	600	500	0	0	500	5213	3.04	2200	2700	2080	8000	7580	766.78	5/27/2020	766.78	766.62	766.63
5/27/2020	766.78	600	500	0	0	500	5213	3.03	2000	2500	2060	8000	7560	766.78	5/28/2020	766.78	766.72	766.61
5/28/2020	766.78	700	500	0	0	500	5213	3.02	1800	2300	2040	8000	7540	766.79	5/29/2020	766.79	766.82	766.59
5/29/2020	766.79	600	500	0	0	500	5213	3.00	1600	2100	2000	8000	7500	766.79	5/30/2020	766.79	766.92	766.59
5/30/2020	766.79	500	1263	0	0	1263	5213	3.00	1500	2763	2000	8000	7500	766.73	5/31/2020	766.76	767.02	766.58
5/31/2020	766.73	500	1263	0	0	1263	5167	3.00	1500	2763	2000	8000	7500	766.67	6/1/2020	766.70	767.12	766.58
6/1/2020	766.67	500	500	0	0	500	5167	3.00	1500	2000	2000	8000	7500	766.67	6/2/2020		767.09	766.58
6/6/2020	767.29	1000	2000	0	0	2000	5487	3.00	1500	3500	2000	8000	7500	777.12	3/15/2019	#N/A	#N/A	#N/A

500

Signature: _____

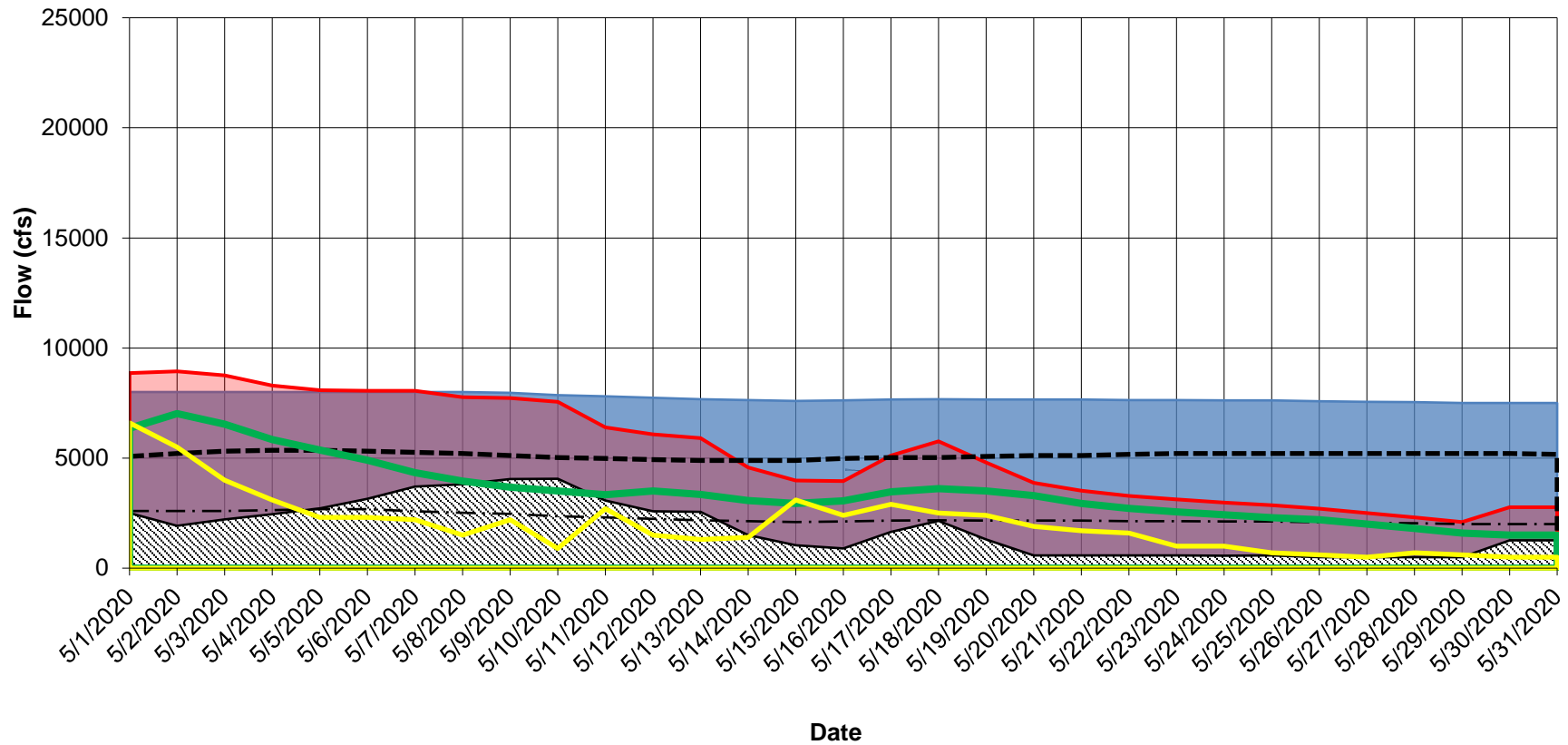
Date: _____

**GREAT SACANDAGA LAKE
RESERVOIR OPERATION SUMMARY**

Print Date: 5/26/2020
 Period of Record: 5/1/2020 to 5/29/2020

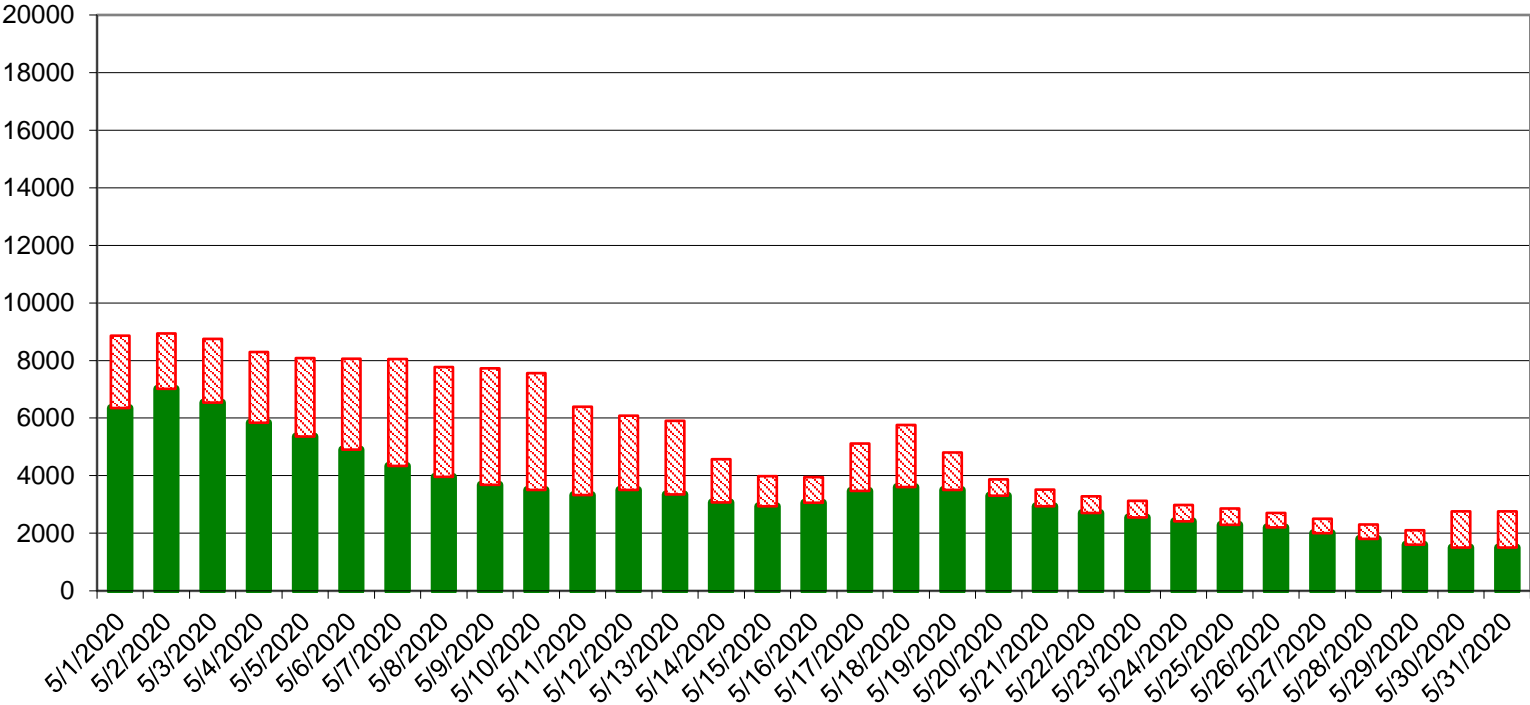
Starting Date 12:00 AM	Daily Avg. Elevation	Net Average Inflow	Sacandaga River Flow Average Release	Maximum (Table F - Elev.)	Settlement Level	Hudson at Hadley	Hudson River Below Confluence	Hudson River Target Flow Minimum (Table B - Level)	Maximum (Table D & E)	Maximum Allowable Sacandaga
5/1/2020	766.46	6600	2510	5073	3.30	6350	8860	2600	8000	4980
5/2/2020	766.75	5500	1920	5213	3.30	7020	8940	2600	8000	5120
5/3/2020	766.95	4000	2210	5307	3.30	6540	8750	2600	8000	5260
5/4/2020	767.04	3100	2450	5353	3.32	5840	8290	2640	8000	5307
5/5/2020	767.04	2300	2720	5353	3.34	5360	8080	2680	8000	5353
5/6/2020	766.99	2300	3150	5307	3.34	4910	8060	2680	8000	5353
5/7/2020	766.89	2200	3710	5260	3.29	4340	8050	2580	8000	5307
5/8/2020	766.74	1500	3810	5213	3.26	3960	7770	2520	8000	5260
5/9/2020	766.58	2200	4050	5120	3.23	3680	7730	2460	7960	5167
5/10/2020	766.38	900	4060	5027	3.18	3500	7560	2360	7860	5073
5/11/2020	766.24	2700	3070	4980	3.15	3330	6400	2300	7800	4980
5/12/2020	766.18	1500	2580	4933	3.12	3500	6080	2240	7740	4980
5/13/2020	766.08	1300	2560	4887	3.09	3350	5910	2180	7680	4933
5/14/2020	766.03	1400	1500	4887	3.07	3070	4570	2140	7640	4887
5/15/2020	766.10	3100	1040	4887	3.05	2940	3980	2100	7600	4887
5/16/2020	766.23	2400	889	4980	3.06	3060	3949	2120	7620	4933
5/17/2020	766.33	2900	1650	5027	3.08	3470	5120	2160	7660	4980
5/18/2020	766.38	2500	2150	5027	3.09	3610	5760	2180	7680	5027
5/19/2020	766.43	2400	1300	5073	3.08	3500	4800	2160	7660	5027
5/20/2020	766.52	1900	573	5120	3.08	3300	3873	2160	7660	5073
5/21/2020	766.61	1700	578	5120	3.08	2940	3518	2160	7660	5120
5/22/2020	766.69	1600	576	5167	3.07	2710	3286	2140	7640	5167
5/23/2020	766.74	1000	574	5213	3.07	2550	3124	2140	7640	5213
5/24/2020	766.77	1000	564	5213	3.06	2420	2984	2120	7620	5213
5/25/2020	766.78	700	575	5213	3.06	2290	2865	2120	7620	5213
5/26/2020	766.78	600	500	5213	3.04	2200	2700	2080	7580	5213
5/27/2020	766.78	500	500	5213	3.03	2000	2500	2060	7560	5213
5/28/2020	766.79	700	500	5213	3.02	1800	2300	2040	7540	5213
5/29/2020	766.79	600	500	5213	3.00	1600	2100	2000	7500	5213
5/30/2020	766.76	500	1263	5213	3.00	1500	2763	2000	7500	5213
5/31/2020	766.70	500	1263	5167	3.00	1500	2763	2000	7500	5213

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: April 2020

Day	Sacandaga Reservoir Elevation Average Daily	Sacandaga Reservoir Elevation Midnight	Sacandaga River Near Hope cfs	Reservoir Inflow Hope x 2.0025 cfs	Sacandaga River at Stewarts Bridge cfs	Hudson River at Hadley cfs	Regulated Hudson River below confluence cfs
1	761.31	761.05	4500	9011	422	10700	11122
2	761.78	761.57	3780	7569	419	9570	9989
3	762.18	761.95	3400	6809	420	8760	9180
4	762.54	762.39	3330	6668	867	8280	9147
5	762.84	762.71	3430	6869	1660	8140	9800
6	763.11	762.97	3010	6028	419	7920	8339
7	763.37	763.26	2640	5287	728	7360	8088
8	763.58	763.48	2490	4986	1470	7000	8470
9	763.78	763.68	2820	5647	1960	6980	8940
10	764.14	763.95	3270	6548	423	7300	7723
11	764.42	764.27	2630	5267	1220	7090	8310
12	764.52	764.51	2290	4586	1960	6270	8230
13	764.73	764.58	3320	6648	2410	6390	8800
14	765.30	764.86	6170	12355	434	9860	10294
15	765.83	765.63	3870	7750	420	10400	10820
16	766.20	766.04	3160	6328	419	8660	9079
17	766.47	766.32	2640	5287	756	7250	8006
18	766.55	766.49	2070	4145	2270	6360	8630
19	766.63	766.61	1870	3745	3190	5560	8750
20	766.53	766.59	1650	3304	3500	5110	8610
21	766.48	766.48	1490	2984	3720	4770	8490
22	766.39	766.38	1430	2864	3910	4420	8330
23	766.18	766.26	1260	2523	3980	4100	8080
24	765.97	766.09	11110	22248	4110	3780	7890
25	765.80	765.84	1010	2023	4110	3420	7530
26	765.62	765.65	988	1978	4120	3330	7450
27	765.73	765.75	1880	3765	3760	4680	8440
28	765.97	765.87	2350	4706	2490	5550	8040
29	766.15	766.04	2250	4506	3190	5450	8640
30	766.23	766.19	2100	4205	3650	5170	8820

AVERAGE 2940 5890 2080 6650 8730

CHANGE IN STORAGE DURING THE MONTH 5.68 B.C.F.

 CHIEF ENGINEER

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

Monthly Report for: April, 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	1644.27	1644.02	923	215	1980	6560
2	1644.58	1644.38	787	216	1610	5540
3	1644.84	1644.67	690	218	1330	4770
4	1645.10	1644.91	731	219	1240	4450
5	1645.37	1645.17	771	220	1300	4520
6	1645.64	1645.45	791	220	1300	4190
7	1645.86	1645.74	538	223	1220	3770
8	1646.06	1645.90	597	223	1100	3490
9	1646.30	1646.09	757	226	1010	3520
10	1646.61	1646.37	897	228	1160	3930
11	1646.85	1646.70	486	228	1080	3640
12	1646.98	1646.82	520	228	866	2820
13	1647.31	1646.96	2032	240	803	3160
14	1648.28	1647.82	1841	237	1990	7000
15	1648.89	1648.60	1092	239	2250	6540
16	1649.17	1648.98	631	279	1530	4630
17	1649.30	1649.14	520	300	1060	3380
18	1649.35	1649.24	651	299	794	2600
19	1649.41	1649.40	277	299	637	2200
20	1649.42	1649.39	366	300	548	2010
21	1649.47	1649.42	453	299	489	1860
22	1649.48	1649.49	343	299	454	1760
23	1649.45	1649.51	145	299	400	1640
24	1649.43	1649.44	277	299	360	1500
25	1649.41	1649.43	189	299	335	1410
26	1649.39	1649.38	365	299	327	1320
27	1649.45	1649.41	499	301	369	1760
28	1649.53	1649.50	454	300	403	2090
29	1649.58	1649.57	432	300	385	2000
30	1649.61	1649.63	388	300	381	1910

AVERAGE 648 262 957 3332

CHANGE IN STORAGE DURING THE MONTH 1.001 B.C.F

 CHIEF ENGINEER

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

Monthly Report for: April 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	1668.84	1668.56	893	300	2120	1340	9260
2	1669.09	1668.87	702	300	1590	1120	10100
3	1669.30	1669.08	702	300	1370	943	9950
4	1669.49	1669.29	664	300	1300	865	9290
5	1669.66	1669.47	625	300	1250	822	8370
6	1669.81	1669.64	530	300	1180	791	7550
7	1669.93	1669.77	491	300	1080	764	6900
8	1670.02	1669.87	522	300	1090	748	6420
9	1670.12	1669.96	559	300	1120	679	6000
10	1670.30	1670.08	747	183	1230	654	5760
11	1670.52	1670.32	570	100	1140	532	5750
12	1670.70	1670.51	500	100	1000	362	5670
13	1670.90	1670.68	618	100	1240	312	5290
14	1671.27	1670.90	1150	100	2240	344	6620
15	1671.59	1671.34	759	100	1980	375	7140
16	1671.80	1671.61	540	100	1510	406	7900
17	1671.98	1671.79	547	100	1110	458	7870
18	1672.13	1671.96	380	100	966	387	6950
19	1672.25	1672.08	481	100	905	333	5720
20	1672.40	1672.22	405	100	939	284	4850
21	1672.48	1672.35	246	119	904	365	4260
22	1672.55	1672.39	455	150	871	345	4130
23	1672.67	1672.52	353	150	826	333	3860
24	1672.74	1672.60	328	150	773	281	3510
25	1672.80	1672.66	302	150	739	274	3280
26	1672.87	1672.72	379	150	709	275	3220
27	1672.95	1672.82	277	150	785	279	3340
28	1673.02	1672.87	385	150	844	270	3860
29	1673.10	1672.95	282	150	897	259	3710
30	1673.16	1673.00	335	150	889	260	3610

AVERAGE 524 178 1150 520 6000

CHANGE IN STORAGE DURING THE MONTH 0.90 B.C.F.

 CHIEF ENGINEER

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

Monthly Report for: April, 2020

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1781.56	1781.50	62	0.17	0.50	26
2	1781.64	1781.60	52	0.00	0.50	23
3	1781.72	1781.68	50	0.00	0.50	21
4	1781.80	1781.76	50	0.00	0.50	21
5	1781.87	1781.84	41	0.00	0.50	21
6	1781.92	1781.90	35	0.00	0.50	21
7	1781.96	1781.94	35	0.00	0.50	21
8	1782.00	1781.98	32	0.00	0.04	15
9	1782.07	1782.03	37	0.00	0.04	2
10	1782.17	1782.13	33	0.00	0.04	2
11	1782.25	1782.22	28	0.00	0.04	2
12	1782.31	1782.29	21	0.00	0.04	2
13	1782.42	1782.34	67	0.00	0.04	2
14	1782.60	1782.52	59	0.00	0.04	2
15	1782.72	1782.68	31	0.00	0.04	2
16	1782.79	1782.76	24	0.00	0.04	2
17	1782.85	1782.82	24	0.00	0.04	2
18	1782.90	1782.88	20	0.00	0.04	2
19	1782.94	1782.93	24	0.00	0.04	2
20	1783.01	1782.99	20	0.00	0.04	2
21	1783.06	1783.04	24	0.00	0.04	2
22	1783.10	1783.10	16	0.00	0.04	2
23	1783.15	1783.14	13	0.00	0.04	2
24	1783.18	1783.17	13	0.00	0.04	2
25	1783.21	1783.20	9	0.00	0.04	2
26	1783.26	1783.22	27	0.00	0.04	2
27	1783.33	1783.29	27	0.00	0.04	2
28	1783.40	1783.36	24	0.00	0.04	2
29	1783.44	1783.42	6	0.00	0.04	2
30	1783.50	1783.43	59	0.00	0.04	2

AVERAGE 32 7

CHANGE IN STORAGE DURING THE MONTH 0.064 B.C.F

CHIEF ENGINEER

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

Monthly Report for: April, 2020

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1704.15	1704.14	178	0.50	0.50	42
2	1704.21	1704.23	114	0.50	0.50	42
3	1704.28	1704.29	90	0.25	0.25	30
4	1704.34	1704.33	81	0.25	0.25	21
5	1704.39	1704.37	127	0.25	0.25	22
6	1704.44	1704.43	67	0.25	0.25	22
7	1704.49	1704.46	115	0.00	0.08	10
8	1704.56	1704.54	79	0.00	0.08	4
9	1704.59	1704.59	19	0.00	0.08	4
10	1704.66	1704.60	185	0.00	0.08	4
11	1704.72	1704.71	109	0.00	0.08	4
12	1704.80	1704.78	79	0.00	0.08	4
13	1704.86	1704.83	109	0.00	0.08	4
14	1704.96	1704.90	215	0.00	0.08	4
15	1705.06	1705.04	94	0.00	0.08	4
16	1705.10	1705.10	64	0.00	0.08	4
17	1705.15	1705.14	109	0.00	0.08	4
18	1705.22	1705.21	49	0.00	0.08	4
19	1705.24	1705.24	64	0.00	0.08	4
20	1705.32	1705.29	79	0.00	0.08	4
21	1705.31	1705.34	-41	0.00	0.08	4
22	1705.33	1705.31	170	0.00	0.08	4
23	1705.43	1705.41	79	0.00	0.08	4
24	1705.48	1705.46	49	0.00	0.08	4
25	1705.51	1705.49	34	0.00	0.08	4
26	1705.57	1705.52	124	0.00	0.08	4
27	1705.62	1705.60	79	0.00	0.08	4
28	1705.66	1705.64	64	0.00	0.08	4
29	1705.72	1705.68	34	0.00	0.08	4
30	1705.77	1705.70	139	0.00	0.08	4

AVERAGE 92 9

CHANGE IN STORAGE DURING THE MONTH 0.214 B.C.F

CHIEF ENGINEER

STATE OF NEW YORK
 HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
SACANDAGA RESERVOIR OPERATION
 FOR WEEK ENDING: May 2, 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 25	765.84	32.84	12 AM - Mid	4,110	3,420	7,530
Sunday 26	765.65	32.63	12 AM - Mid	4,120	3,330	7,450
Monday 27	765.75	32.74	12 AM - Mid	3,760	4,680	8,440
Tuesday 28	765.87	32.88	12 AM - Mid	2,490	5,550	8,040
Wednesday 29	766.04	33.07	12 AM - Mid	3,190	5,450	8,640
Thursday 30	766.19	33.23	12 AM - Mid	3,650	5,170	8,820
Friday 1	766.26	33.31	12 AM - Mid	2,510	6,350	8,860
Saturday 2	766.61	33.70	12 AM - Mid	1,920	7,020	8,940
CHANGE IN STORAGE DURING THE WEEK		0.86	* 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	773.26	41.43	6	2016	764.78	31.67
2	2017	768.72	36.11	7	2018	764.75	31.64
3	2019	768.66	36.04	8	2013	763.96	30.77
4	2014	767.87	35.13	9	2015	762.76	29.47
5	2020	766.61	33.70	10	2012	761.01	27.59

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: May 9, 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 2	766.61	33.70	12 AM - Mid	1,920	7,020	8,940
Sunday 3	766.83	33.95	12 AM - Mid	2,210	6,540	8,750
Monday 4	767.01	34.15	12 AM - Mid	2,450	5,840	8,290
Tuesday 5	767.03	34.17	12 AM - Mid	2,720	5,360	8,080
Wednesday 6	766.98	34.12	12 AM - Mid	3,150	4,910	8,060
Thursday 7	766.88	34.01	12 AM - Mid	3,710	4,340	8,050
Friday 8	766.75	33.86	12 AM - Mid	3,810	3,960	7,770
Saturday 9	766.61	33.70	12 AM - Mid	4,050	3,680	7,730

CHANGE IN STORAGE DURING THE WEEK	0.00	* 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	770.96	38.71	6	2018	766.46	33.54
2	2017	769.55	37.06	7	2016	765.81	32.81
3	2014	768.67	36.05	8	2013	764.51	31.37
4	2019	767.29	34.47	9	2012	763.32	30.07
5	2020	766.61	33.70	10	2015	763.10	29.83

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: May 16, 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 9	766.61	33.70	12 AM - Mid	4,050	3,680	7,730
Sunday 10	766.61	33.70	12 AM - Mid	4,060	3,500	7,560
Monday 11	766.35	33.41	12 AM - Mid	3,070	3,330	6,400
Tuesday 12	766.23	33.28	12 AM - Mid	2,580	3,500	6,080
Wednesday 13	766.04	33.07	12 AM - Mid	2,560	3,350	5,910
Thursday 14	766.05	33.08	12 AM - Mid	1,500	3,070	4,570
Friday 15	766.04	33.07	12 AM - Mid	1,040	2,940	3,980
Saturday 16	766.02	33.04	12 AM - Mid	889	3,060	3,949
CHANGE IN STORAGE DURING THE WEEK		-0.66	* 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	2019	769.52	37.03	6	2018	766.33	33.39
2	2011	768.62	35.99	7	2020	766.02	33.04
3	2014	767.85	35.11	8	2012	765.48	32.44
4	2017	767.06	34.21	9	2013	765.13	32.06
5	2016	766.45	33.52	10	2015	763.63	30.41

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: May 23, 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 16	766.02	33.04	12 AM - Mid	889	3,060	3,949
Sunday 17	766.26	33.31	12 AM - Mid	1,650	3,470	5,120
Monday 18	766.34	33.40	12 AM - Mid	2,150	3,610	5,760
Tuesday 19	766.33	33.39	12 AM - Mid	1,300	3,500	4,800
Wednesday 20	766.40	33.47	12 AM - Mid	573	3,300	3,873
Thursday 21	766.57	33.66	12 AM - Mid	578	2,940	3,518
Friday 22	766.69	33.79	12 AM - Mid	576	2,710	3,286
Saturday 23	766.68	33.78	12 AM - Mid	574	2,550	3,124

CHANGE IN STORAGE DURING THE WEEK	0.74	* 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	769.97	37.55	6	2020	766.68	33.78
2	2019	769.88	37.45	7	2016	766.65	33.75
3	2014	769.55	37.06	8	2012	766.36	33.42
4	2017	766.80	33.92	9	2013	765.61	32.59
5	2018	766.70	33.80	10	2015	763.81	30.61

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: May 2, 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 25	1,649.43	3.40	12 AM - Mid	298	335	1,410
Sunday 26	1,649.38	3.39	12 AM - Mid	298	327	1,320
Monday 27	1,649.41	3.40	12 AM - Mid	298	369	1,760
Tuesday 28	1,649.50	3.42	12 AM - Mid	298	403	2,090
Wednesday 29	1,649.57	3.43	12 AM - Mid	298	385	2,000
Thursday 30	1,649.63	3.44	12 AM - Mid	298	381	1,910
Friday 1	1,649.67	3.45	12 AM - Mid	299	584	2,640
Saturday 2	1,649.80	3.47	12 AM - Mid	299	1,040	3,410
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	1,652.90	4.13	6	2020	1,649.80	3.47
2	2019	1,651.33	3.79	7	2016	1,649.69	3.45
3	2014	1,650.13	3.54	8	2018	1,649.32	3.38
4	2017	1,649.99	3.51	9	2012	1,649.30	3.38
5	2013	1,649.84	3.48	10	2015	1,648.23	3.18

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
INDIAN LAKE RESERVOIR OPERATION
FOR WEEK ENDING: May 9, 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 2	1,649.80	3.47	12 AM - Mid	299	1,040	3,410
Sunday 3	1,649.97	3.51	12 AM - Mid	299	958	3,070
Monday 4	1,650.05	3.52	12 AM - Mid	299	869	2,570
Tuesday 5	1,650.08	3.53	12 AM - Mid	299	756	2,320
Wednesday 6	1,650.08	3.53	12 AM - Mid	300	572	1,970
Thursday 7	1,650.07	3.53	12 AM - Mid	300	458	1,710
Friday 8	1,650.04	3.52	12 AM - Mid	300	391	1,550
Saturday 9	1,650.01	3.52	12 AM - Mid	300	351	1,500
CHANGE IN STORAGE DURING THE WEEK		0.04	* 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	1,651.39	3.80	6	2018	1,650.38	3.59
2	2017	1,651.30	3.78	7	2014	1,650.35	3.58
3	2019	1,650.52	3.62	8	2016	1,650.14	3.54
4	2012	1,650.46	3.61	9	2020	1,650.01	3.52
5	2013	1,650.39	3.59	10	2015	1,648.74	3.27

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: May 16, 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 9	1,650.01	3.52	12 AM - Mid	300	351	1,500
Sunday 10	1,649.97	3.51	12 AM - Mid	300	320	1,350
Monday 11	1,649.91	3.50	12 AM - Mid	301	298	1,410
Tuesday 12	1,649.91	3.50	12 AM - Mid	301	295	1,530
Wednesday 13	1,649.90	3.49	12 AM - Mid	301	287	1,380
Thursday 14	1,649.87	3.49	12 AM - Mid	234	270	1,370
Friday 15	1,649.83	3.48	12 AM - Mid	200	271	1,130
Saturday 16	1,649.84	3.48	12 AM - Mid	200	529	1,470
CHANGE IN STORAGE DURING THE WEEK		-0.03	* 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	1,651.24	3.77	6	2017	1,649.93	3.50
2	2013	1,650.81	3.68	7	2020	1,649.84	3.48
3	2019	1,650.66	3.65	8	2015	1,649.70	3.45
4	2012	1,650.45	3.60	9	2014	1,649.68	3.45
5	2016	1,650.19	3.55	10	2018	1,648.84	3.29

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: May 23, 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 16	1,649.84	3.48	12 AM - Mid	200	529	1,470
Sunday 17	1,649.91	3.50	12 AM - Mid	200	745	1,850
Monday 18	1,649.93	3.50	12 AM - Mid	200	681	1,830
Tuesday 19	1,650.00	3.51	12 AM - Mid	200	645	1,840
Wednesday 20	1,650.06	3.53	12 AM - Mid	200	584	1,570
Thursday 21	1,650.04	3.52	12 AM - Mid	200	530	1,430
Friday 22	1,650.01	3.52	12 AM - Mid	200	504	1,310
Saturday 23	1,650.05	3.52	12 AM - Mid	200	526	1,250

CHANGE IN STORAGE DURING THE WEEK	0.04	* 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	1,651.22	3.76	6	2020	1,650.05	3.52
2	2013	1,650.89	3.69	7	2017	1,650.01	3.52
3	2014	1,650.66	3.65	8	2019	1,649.89	3.49
4	2012	1,650.35	3.58	9	2015	1,649.86	3.49
5	2016	1,650.12	3.54	10	2018	1,648.89	3.30

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: **May 2, 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 25	1,672.66	3.12	12 AM -Mid	150	274	3,280
Sunday 26	1,672.72	3.13	12 AM -Mid	150	275	3,220
Monday 27	1,672.82	3.15	12 AM -Mid	150	279	3,340
Tuesday 28	1,672.87	3.16	12 AM -Mid	150	270	3,860
Wednesday 29	1,672.95	3.18	12 AM -Mid	150	259	3,710
Thursday 30	1,673.00	3.19	12 AM -Mid	150	260	3,610
Friday 1	1,673.08	3.21	12 AM -Mid	150	277	4,330
Saturday 2	1,673.14	3.22	12 AM -Mid	150	291	5,060

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	2011	1,679.58	4.86	6	2018	1,676.78	4.10
2	2017	1,677.55	4.31	7	2013	1,676.46	4.02
3	2012	1,677.30	4.24	8	2019	1,676.04	3.92
4	2014	1,677.19	4.21	9	2020	1,673.14	3.22
5	2016	1,677.01	4.16	10	2015	1,671.46	2.86

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

CHIEF ENGINEER

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

FOR WEEK ENDING: **May 9, 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 2	1,673.14	3.22	12 AM -Mid	150	291	5,060
Sunday 3	1,673.19	3.23	12 AM -Mid	150	285	4,690
Monday 4	1,673.23	3.24	12 AM -Mid	88	286	4,030
Tuesday 5	1,673.29	3.25	12 AM -Mid	138	251	3,340
Wednesday 6	1,673.33	3.26	12 AM -Mid	138	217	3,060
Thursday 7	1,673.35	3.27	12 AM -Mid	69	148	2,540
Friday 8	1,673.39	3.28	12 AM -Mid	50	137	2,600
Saturday 9	1,673.46	3.30	12 AM -Mid	50	132	2,290

CHANGE IN STORAGE DURING THE WEEK	0.07
-----------------------------------	------

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2017	1,678.75	4.63	6	2016	1,677.18	4.21
2	2011	1,678.65	4.60	7	2019	1,676.80	4.11
3	2012	1,678.04	4.43	8	2013	1,676.74	4.09
4	2014	1,677.92	4.40	9	2020	1,673.46	3.30
5	2018	1,677.69	4.34	10	2015	1,671.84	2.94

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

Datum: NAVD 88

CHIEF ENGINEER

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

FOR WEEK ENDING: **May 16, 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 9	1,673.46	3.30	12 AM -Mid	50	132	2,290
Sunday 10	1,673.50	3.31	12 AM -Mid	50	137	2,380
Monday 11	1,673.58	3.32	12 AM -Mid	50	138	2,480
Tuesday 12	1,673.64	3.34	12 AM -Mid	50	135	2,860
Wednesday 13	1,673.71	3.35	12 AM -Mid	50	132	2,750
Thursday 14	1,673.76	3.36	12 AM -Mid	50	128	2,690
Friday 15	1,673.82	3.38	12 AM -Mid	50	168	2,320
Saturday 16	1,673.94	3.41	12 AM -Mid	50	198	2,690

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	2017	1,678.61	4.59	6	2016	1,677.19	4.21
2	2011	1,678.16	4.47	7	2013	1,676.85	4.12
3	2012	1,678.09	4.45	8	2018	1,676.80	4.11
4	2019	1,678.00	4.42	9	2020	1,673.94	3.41
5	2014	1,677.82	4.38	10	2015	1,672.28	3.03

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

CHIEF ENGINEER

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

FOR WEEK ENDING: **May 23, 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 16	1,673.94	3.41	12 AM -Mid	50	198	2,690
Sunday 17	1,674.04	3.43	12 AM -Mid	50	255	3,330
Monday 18	1,674.14	3.45	12 AM -Mid	50	297	3,690
Tuesday 19	1,674.27	3.48	12 AM -Mid	50	340	4,280
Wednesday 20	1,674.36	3.50	12 AM -Mid	50	273	4,050
Thursday 21	1,674.42	3.52	12 AM -Mid	50	170	3,200
Friday 22	1,674.47	3.53	12 AM -Mid	50	153	2,720
Saturday 23	1,674.52	3.54	12 AM -Mid	50	122	2,230

CHANGE IN STORAGE DURING THE WEEK	0.14
-----------------------------------	------

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	1,678.81	4.64	6	2016	1,677.08	4.18
2	2011	1,678.52	4.56	7	2013	1,676.89	4.13
3	2014	1,678.40	4.53	8	2018	1,676.69	4.08
4	2017	1,677.96	4.41	9	2020	1,674.52	3.54
5	2012	1,677.77	4.36	10	2015	1,672.51	3.08

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

CHIEF ENGINEER

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

FOR WEEK ENDING: May 2, 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 25	1,705.49	0.724	4	1,783.20	0.214	2
Sunday 26	1,705.52	0.727	4	1,783.22	0.214	2
Monday 27	1,705.60	0.737	4	1,783.29	0.216	2
Tuesday 28	1,705.64	0.743	4	1,783.36	0.219	2
Wednesday 29	1,705.68	0.749	4	1,783.42	0.220	2
Thursday 30	1,705.70	0.751	4	1,783.43	0.221	2
Friday 1	1,705.80	0.763	4	1,783.59	0.226	2
Saturday 2	1,705.84	0.768	4	1,783.61	0.226	2
CHANGE IN STORAGE		0.044			0.013	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2017	1,706.34	0.836	1	2019	1,784.85	0.265
2	2019	1,706.22	0.820	2	2016	1,784.84	0.265
3	2016	1,705.93	0.781	3	2017	1,784.50	0.254
4	2020	1,705.84	0.768	4	2020	1,783.61	0.226
5	2018	1,704.83	0.638	5	2018	1,782.97	0.206

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: May 9, 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 2	1,705.84	0.768	4	1,783.61	0.226	2
Sunday 3	1,705.88	0.775	4	1,783.67	0.228	2
Monday 4	1,705.91	0.779	4	1,783.71	0.229	2
Tuesday 5	1,705.93	0.781	4	1,783.74	0.230	2
Wednesday 6	1,705.97	0.786	4	1,783.76	0.231	2
Thursday 7	1,705.98	0.788	4	1,783.78	0.232	2
Friday 8	1,706.01	0.792	4	1,783.80	0.232	2
Saturday 9	1,706.00	0.790	4	1,783.80	0.232	2
CHANGE IN STORAGE		0.022			0.006	

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	1,706.57	0.868	1	2019	1,785.52	0.287
2	2017	1,706.34	0.836	2	2017	1,785.39	0.283
3	2016	1,706.26	0.825	3	2016	1,785.21	0.277
4	2020	1,706.00	0.790	4	2018	1,784.12	0.242
5	2018	1,705.40	0.712	5	2020	1,783.80	0.232

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: May 16, 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 9	1,706.00	0.790	4	1,783.80	0.232	2
Sunday 10	1,706.04	0.794	4	1,783.83	0.233	2
Monday 11	1,706.12	0.805	4	1,783.87	0.234	2
Tuesday 12	1,706.14	0.809	4	1,783.90	0.235	2
Wednesday 13	1,706.17	0.813	4	1,783.94	0.237	2
Thursday 14	1,706.20	0.817	4	1,783.95	0.237	2
Friday 15	1,706.24	0.822	4	1,783.97	0.238	2
Saturday 16	1,706.30	0.829	4	1,784.03	0.239	2
CHANGE IN STORAGE		0.039			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	2019	1,706.81	0.900	1	2019	1,785.77	0.295
2	2017	1,706.65	0.878	2	2017	1,785.71	0.293
3	2016	1,706.41	0.846	3	2016	1,785.41	0.283
4	2020	1,706.30	0.829	4	2018	1,784.58	0.257
5	2018	1,705.70	0.751	5	2020	1,784.03	0.239

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: May 23, 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 16	1,706.30	0.829	4	1,784.03	0.239	2
Sunday 17	1,706.33	0.833	4	1,784.08	0.241	2
Monday 18	1,706.37	0.839	4	1,784.11	0.242	2
Tuesday 19	1,706.43	0.849	4	1,784.18	0.244	2
Wednesday 20	1,706.46	0.853	4	1,784.20	0.245	2
Thursday 21	1,706.47	0.854	4	1,784.22	0.245	2
Friday 22	1,706.50	0.858	4	1,784.23	0.246	2
Saturday 23	1,706.52	0.859	4	1,784.25	0.246	2
CHANGE IN STORAGE		0.030			0.007	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2017	1,706.82	0.901	1	2019	1,785.69	0.292
2	2019	1,706.70	0.885	2	2016	1,785.61	0.290
3	2016	1,706.58	0.869	3	2017	1,785.54	0.287
4	2020	1,706.52	0.859	4	2018	1,785.02	0.271
5	2018	1,705.99	0.789	5	2020	1,784.25	0.246

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