

REPORT OF CHIEF ENGINEER
HUDSON RIVER - BLACK RIVER REGULATING DISTRICT
BOARD MEETING
MARCH 10, 2020 – MAYFIELD

HUDSON RIVER AREA - FEBRUARY SUMMARY

Reservoir Operation

Great Sacandaga Lake

The February average daily release from the Sacandaga Reservoir (Great Sacandaga Lake) was approximately 4,170 cubic feet per second (cfs). The Upper Hudson / Sacandaga River Offer of Settlement target elevation for February 28 is 748.59 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
Jan. 31	761.24	+11.00	+11.19	0	4,110
Feb. 28	754.1 (e)	+7.0 (e)	+5.3 (e)	0	3,500 (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 February average daily release from Indian Lake was approximately 225 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	
Jan. 31	1,639.19	-2.54	+0.04	504
Feb. 28	1,637.7 (e)	-2.5 (e)	-0.3 (e)	180 (e)

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

HUDSON RIVER AREA - FEBRUARY SUMMARY- continued

River Flow

Hudson River flow, downstream of the confluence with the Sacandaga River, was approximately 5,740 cfs on February 23 and approximately 720 cfs above 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	560 (e)	729
Sacandaga at Stewarts Bridge	4,170 (e)	2,800
Indian at Indian Lake Dam	225 (e)	394
Hudson at Hadley (1)	1,790 (e)	2,050

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

Precipitation

Monthly total precipitation measured 102%, 108%, and 93% historic average at Indian Lake, Mayfield, and Conklingville, respectively, as of February 23

Table 4.0 - *Hudson River Basin Precipitation - as of February 23*

Station	Monthly Total (inch)	Historic Average (inch)
Indian Lake	2.35	2.31
Mayfield	3.15	2.91
Conklingville	2.71	2.90

HUDSON RIVER AREA - FEBRUARY SUMMARY- continued

Operation Overview

Precipitation during the month of February was normal across the Great Sacandaga Lake watershed and above average in the Indian Lake watershed. The monthly inflow to Great Sacandaga Lake and Indian Lake reservoir was approximately 78% and 59% of historic average, respectively. Monthly release of water from Great Sacandaga Lake and Indian Lake measured 153% and 70% of historic average, respectively.

Great Sacandaga Lake Operation

Great Sacandaga Lake operation summary report for the period February 1, 2020 through February 23, 2020 is attached. This report includes estimated forecast values for dates after February 23, 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 – FEBRUARY SUMMARY

Reservoir Operations

Stillwater Reservoir

The February average daily release from Stillwater Reservoir was approximately 700 cfs. The maximum discharge for the month was 700 cfs.

Table 1.0 - *Stillwater Reservoir Elevation and Release*

Date	Daily Average Elevation (ft, NAVD)	Deviation from Average Elevation (ft) (1)	Release (cfs)
Jan. 31	1,671.03	+1.91	700
Feb. 28	1,664.0 (e)	-1.6 (e)	700 (e)

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

Sixth Lake Reservoir

The February average daily release from Sixth Lake Reservoir was approximately 55 cfs.

Table 2.0 - *Sixth Lake Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
Jan. 31	1,784.41	-0.38	63
Feb. 28	1,779.2 (e)	-2.2 (e)	47 (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 February average daily release from Old Forge Reservoir was approximately 111 cfs.

Table 3.0 - *Old Forge Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
Jan. 31	1,703.29	-0.53	121
Feb. 28	1,702.8 (e)	-0.6 (e)	62

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

BLACK RIVER AREA - FEBRUARY SUMMARY - continued

River Flow

The average daily Black River flow, as measured at the Watertown gauge, was approximately 2,700 cfs on February 23.

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

River	Monthly Average Flow (cfs)	Historic Average Flow (1) (cfs)
Moose at McKeever	1,560 (e)	827
Beaver at Croghan	860 (e)	720
Black at Watertown	2,980 (e)	3,770

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 67%, 86%, 90% of historic average at Stillwater, Old Forge, and Sixth Lake, respectively, as of February 19.

Table 5.0 - *Black River Basin Precipitation - as of February 19*

Station	Monthly Total (inch)	Historic Average (inch)
Stillwater	1.93	2.86
Old Forge	2.73	3.17
Sixth Lake	2.38	2.65

BLACK RIVER AREA - FEBRUARY SUMMARY - continued

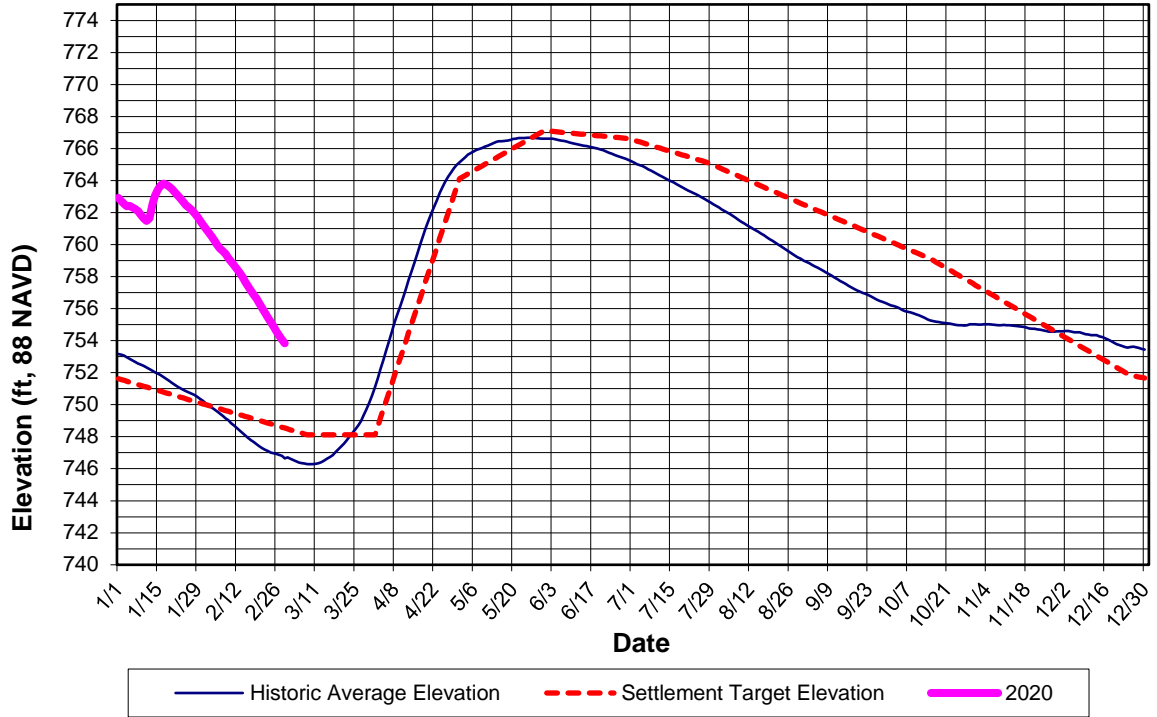
Operation Overview

Precipitation in the month of February was below average at Stillwater, Old Forge, and Sixth Lake Dam. The monthly inflow to Stillwater Reservoir was approximately 62% of historic average. The inflow to Sixth Lake and Old Forge Reservoir totaled 0.07 and 0.21 billion cubic feet, respectively, in February. Release of water from Stillwater Reservoir averaged 126% of historic discharge.

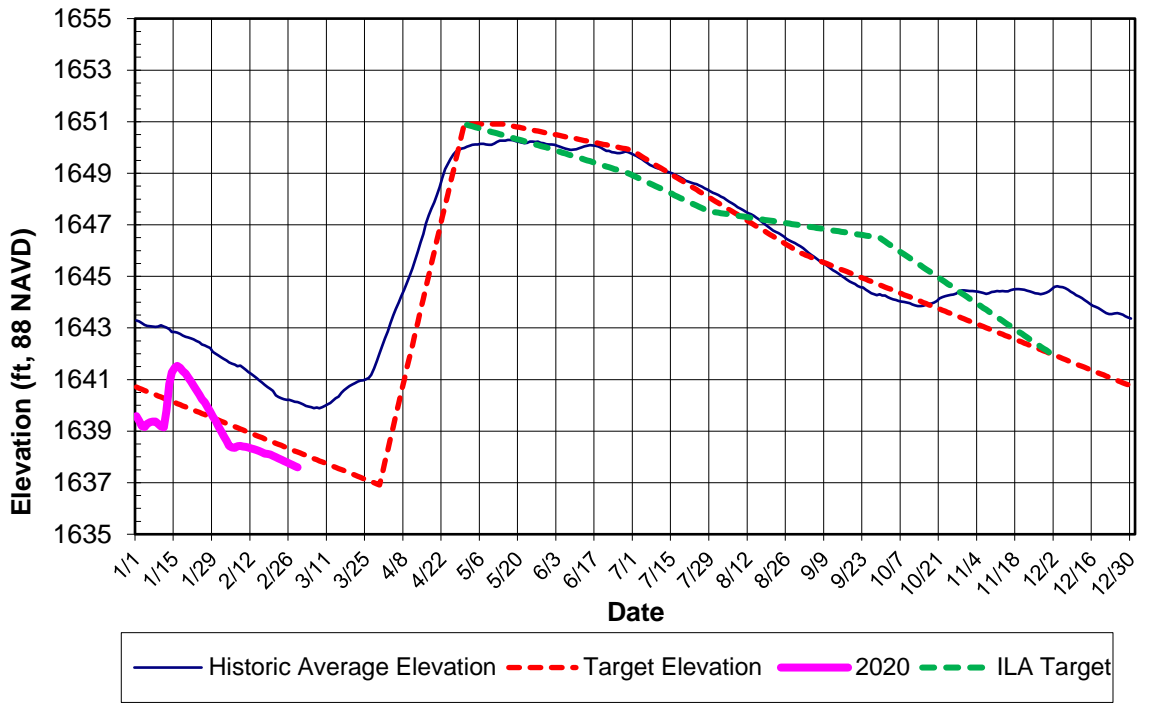
Black River Area Staff Activities

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

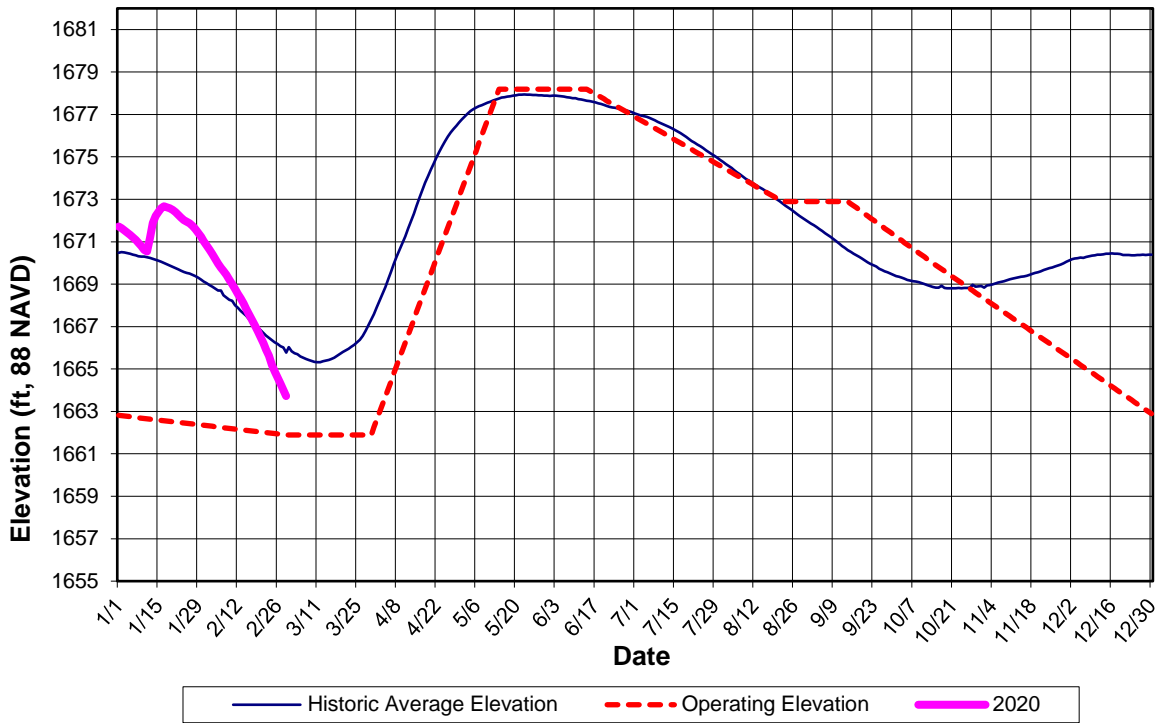
Great Sacandaga Lake 2020 Reservoir Elevation



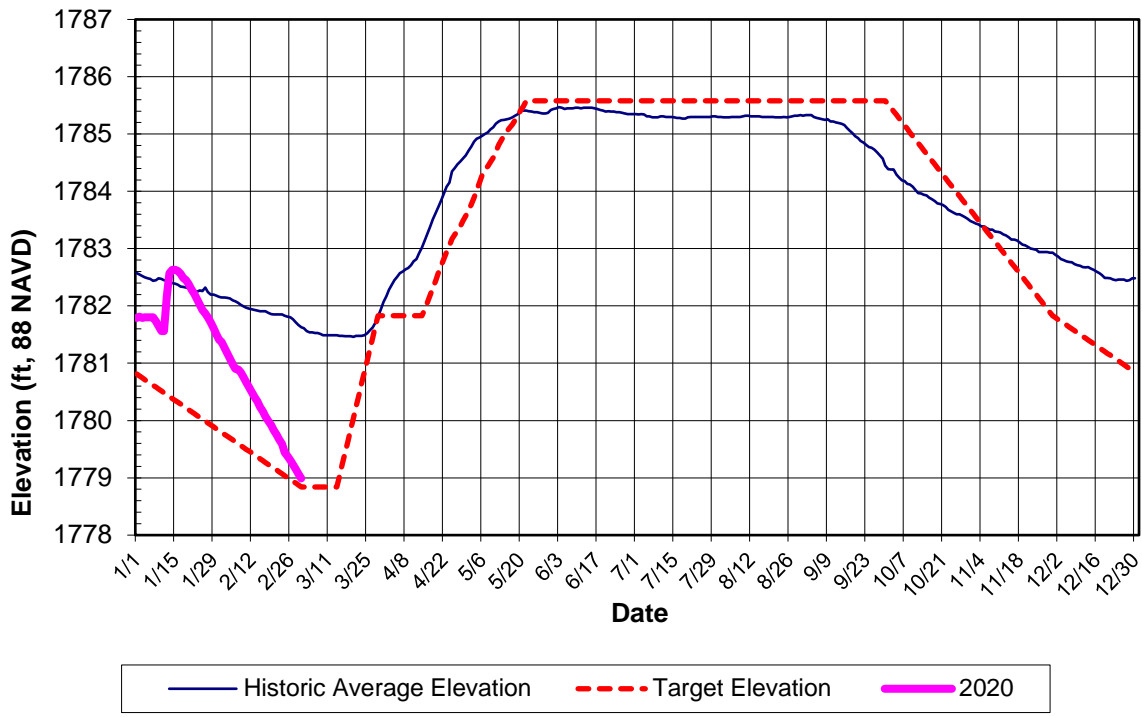
Indian Lake 2020 Reservoir Elevation



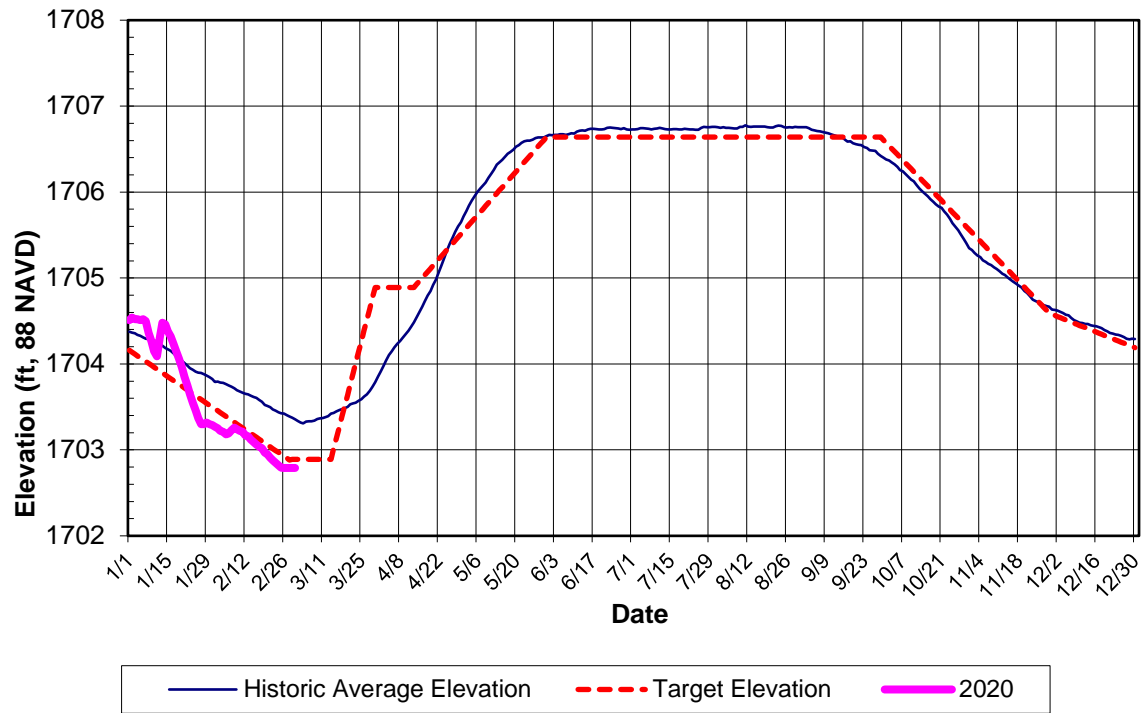
Stillwater Reservoir 2020 Reservoir Elevation



Sixth Lake 2020 Reservoir Elevation



Old Forge 2020 Reservoir Elevation



SACANDAGA RESERVOIR ELEVATION CALCULATOR

Datum: **1988 NAVD**

Settlement Parameters		
Date	2/24/2020	
Target Elevation	748.80	
Actual "Level"	3.37	
"Level 2.5 threshold"		
"Level 1.2 threshold"	740.56	
Hudson River Target	Elevation	Level
Maximum Flow (cfs)	8000	8240
Minimum Flow (cfs)	n/a	2740
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	2/24/2020
Day of Year	4803
Starting Elevation (ft)	755.31
Average Elevation	755.17
Flow Below Hadley (cfs)	5500
Todays Release	4000
Tomorrows Release	4000

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

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

ACTUAL High Value
SCHEDULED Low Value
ESTIMATED Instant. (min + rafting)
TO BE CHANGED

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 Release					Minimum (Table C - Level)	Maximum (Table D - Elev.)	Maximum (Table E - Level)					
2/1/2020	761.12	1100	4110	0	4110	4000	3.51	2560	6670	3020	8000	8900	760.87	2/2/2020	761.00	750.00	749.95
2/2/2020	760.87	1400	4110	0	4110	4000	3.50	2460	6570	3000	8000	8500	760.64	2/3/2020	760.76	749.95	749.81
2/3/2020	760.64	1200	4160	0	4160	4000	3.49	2360	6520	2980	8000	8480	760.39	2/4/2020	760.52	749.90	749.68
2/4/2020	760.39	1100	4160	0	4160	4000	3.48	2280	6440	2960	8000	8460	760.13	2/5/2020	760.26	749.84	749.57
2/5/2020	760.13	1000	4160	0	4160	4000	3.46	2170	6330	2920	8000	8420	759.86	2/6/2020	760.00	749.79	749.45
2/6/2020	759.86	1500	4170	0	4170	4000	3.45	1890	6060	2900	8000	8400	759.63	2/7/2020	759.75	749.74	749.31
2/7/2020	759.63	3400	4200	0	4200	4000	3.44	1930	6130	2880	8000	8380	759.56	2/8/2020	759.60	749.69	749.16
2/8/2020	759.56	900	4210	0	4210	4000	3.44	1640	5850	2880	8000	8380	759.28	2/9/2020	759.42	749.63	749.01
2/9/2020	759.28	1400	4210	0	4210	4000	3.43	1710	5920	2860	8000	8360	759.04	2/10/2020	759.16	749.58	748.87
2/10/2020	759.04	1800	4210	0	4210	4000	3.42	1970	6180	2840	8000	8340	758.83	2/11/2020	758.94	749.53	748.70
2/11/2020	758.83	1800	4210	0	4210	4000	3.41	2080	6290	2820	8000	8320	758.62	2/12/2020	758.73	749.48	748.54
2/12/2020	758.62	1200	4210	0	4210	4000	3.40	2040	6250	2800	8000	8300	758.36	2/13/2020	758.49	749.43	748.39
2/13/2020	758.36	1300	4190	0	4190	4000	3.39	1910	6100	2780	8000	8280	758.11	2/14/2020	758.24	749.37	748.23
2/14/2020	758.11	1100	4210	0	4210	4000	3.38	1740	5950	2760	8000	8260	757.84	2/15/2020	757.98	749.32	748.07
2/15/2020	757.84	900	4210	0	4210	4000	3.37	1360	5570	2740	8000	8240	757.55	2/16/2020	757.70	749.27	747.91
2/16/2020	757.55	900	4210	0	4210	4000	3.36	1600	5810	2720	8000	8220	757.26	2/17/2020	757.41	749.22	747.77
2/17/2020	757.26	700	4200	0	4200	4000	3.35	1750	5950	2700	8000	8200	756.95	2/18/2020	757.11	749.16	747.63
2/18/2020	756.95	2300	4200	0	4200	4000	3.33	1540	5740	2660	8000	8160	756.78	2/19/2020	756.87	749.11	747.50
2/19/2020	756.78	900	4200	0	4200	4000	3.32	1620	5820	2640	8000	8140	756.49	2/20/2020	756.64	749.06	747.37
2/20/2020	756.49	900	4210	0	4210	4000	3.31	1640	5850	2620	8000	8120	756.20	2/21/2020	756.35	749.01	747.24
2/21/2020	756.20	800	4220	0	4220	4000	3.30	1410	5630	2600	8000	8100	755.90	2/22/2020	756.05	748.96	747.13
2/22/2020	755.90	800	4210	0	4210	4000	3.29	1440	5650	2580	8000	8080	755.60	2/23/2020	755.75	748.90	747.03
2/23/2020	755.60	900	4200	0	4200	4000	3.28	1540	5740	2560	8000	8060	755.31	2/24/2020	755.46	748.85	746.95
2/24/2020	755.31	900	4000	0	4000	4000	3.27	1500	5500	2540	8000	8040	755.03	2/25/2020	755.17	748.80	746.86
2/25/2020	755.03	900	4000	0	4000	4000	3.26	1500	5500	2520	8000	8020	754.75	2/26/2020	754.89	748.75	746.81
2/26/2020	754.75	900	4000	0	4000	4000	3.25	1500	5500	2500	8000	8000	754.47	2/27/2020	754.61	748.69	746.77
2/27/2020	754.47	900	4000	0	4000	4000	3.24	1800	5800	2480	8000	7980	754.19	2/28/2020	754.33	748.64	746.72
2/28/2020	754.19	1200	4000	0	4000	4000	3.23	2000	6000	2460	6000	7960	753.93	2/29/2020	754.06	748.59	746.65
2/29/2020	753.93	1400	3500	0	3500	4000	3.22	2200	5700	2440	6000	7940	753.74	3/1/2020	753.84	748.54	746.55
3/1/2020	753.74	1600	3500	0	3500	4000	3.21	2400	5900	2420	6000	7920	753.56	3/2/2020	753.65	748.49	746.48
3/2/2020	753.56	1500	3200	0	3200	4000	3.20	2600	5800	2400	6000	7900	753.40	3/3/2020	753.48	748.43	746.40
3/3/2020	753.40	1400	3000	0	3000	4000	3.20	2800	5800	2400	6000	7900	751.20	3/18/2020		748.12	746.31
1/19/2019	767.29	1000	4500	0	4500	5487	3.00	1500	6000	2000	8000	7500	751.18	3/15/2019	#N/A	#N/A	#N/A

500

Signature: _____

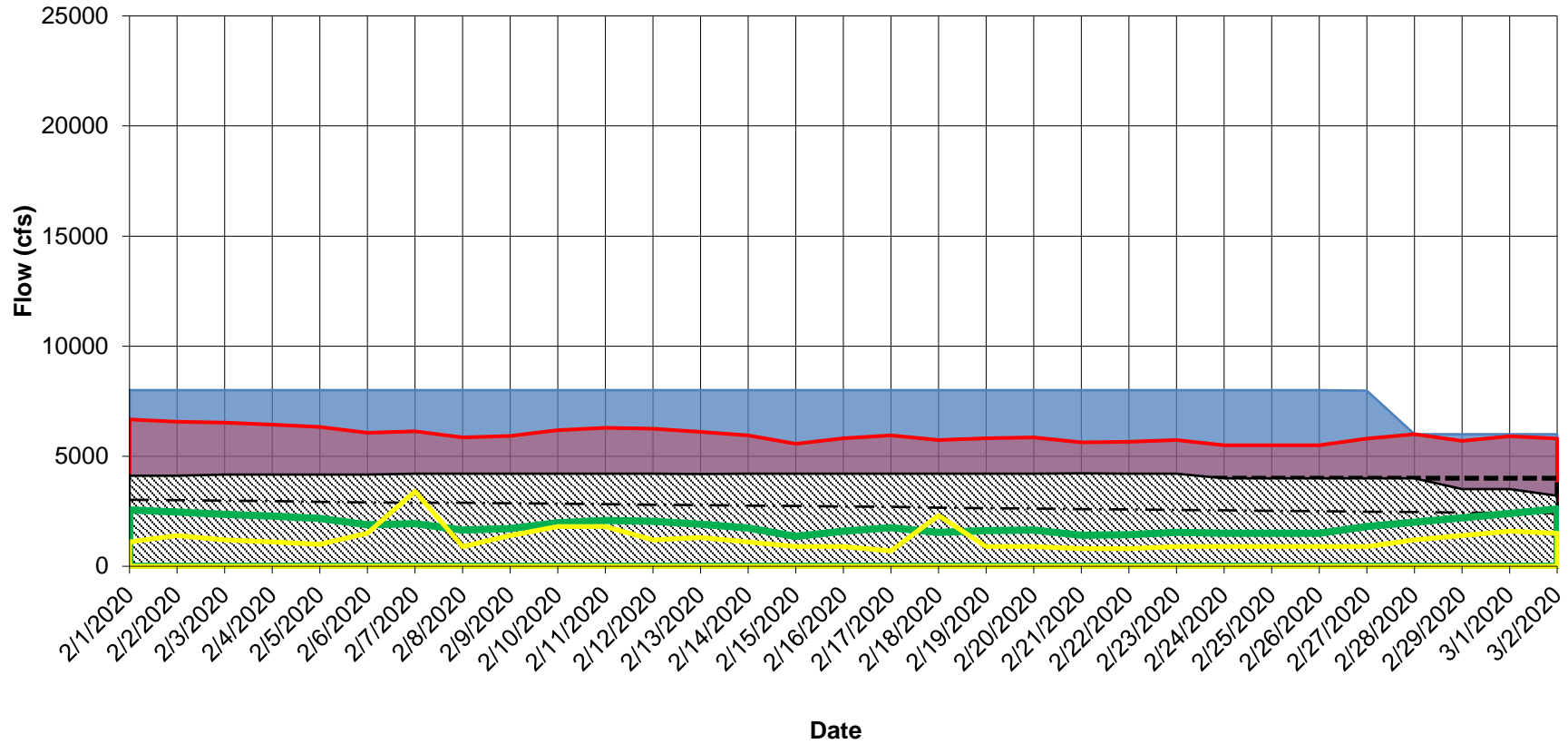
Date: _____

**GREAT SACANDAGA LAKE
RESERVOIR OPERATION SUMMARY**

Print Date: 2/24/2020
Period of Record: 2/1/2020 to 2/29/2020

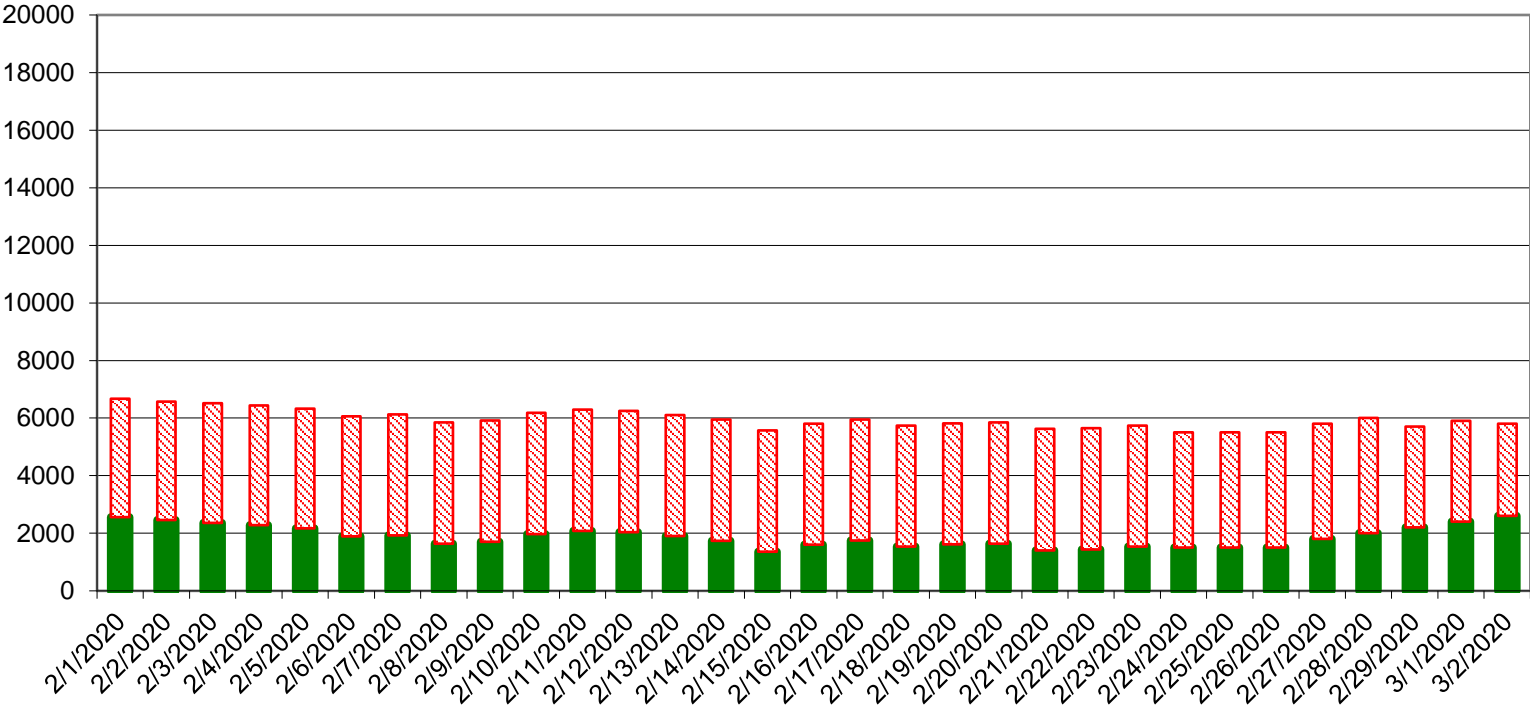
Starting Date 12:00 AM	Daily Avg. Elevation	Net Average Inflow	Sacandaga River Flow Average Release		Maximum (Table F - Elev.)	Settlement Level	Hudson at Hadley	Hudson River Below Confluence	Hudson River Target Flow Minimum (Table B - Level)		Maximum (Table D & E)	Maximum Allowable Sacandaga
2/1/2020	761.00	1100	4110	4000	3.51	2560	6670	3020	8000	4000		
2/2/2020	760.76	1400	4110	4000	3.50	2460	6570	3000	8000	4000		
2/3/2020	760.52	1200	4160	4000	3.49	2360	6520	2980	8000	4000		
2/4/2020	760.26	1100	4160	4000	3.48	2280	6440	2960	8000	4000		
2/5/2020	760.00	1000	4160	4000	3.46	2170	6330	2920	8000	4000		
2/6/2020	759.75	1500	4170	4000	3.45	1890	6060	2900	8000	4000		
2/7/2020	759.60	3400	4200	4000	3.44	1930	6130	2880	8000	4000		
2/8/2020	759.42	900	4210	4000	3.44	1640	5850	2880	8000	4000		
2/9/2020	759.16	1400	4210	4000	3.43	1710	5920	2860	8000	4000		
2/10/2020	758.94	1800	4210	4000	3.42	1970	6180	2840	8000	4000		
2/11/2020	758.73	1800	4210	4000	3.41	2080	6290	2820	8000	4000		
2/12/2020	758.49	1200	4210	4000	3.40	2040	6250	2800	8000	4000		
2/13/2020	758.24	1300	4190	4000	3.39	1910	6100	2780	8000	4000		
2/14/2020	757.98	1100	4210	4000	3.38	1740	5950	2760	8000	4000		
2/15/2020	757.70	900	4210	4000	3.37	1360	5570	2740	8000	4000		
2/16/2020	757.41	900	4210	4000	3.36	1600	5810	2720	8000	4000		
2/17/2020	757.11	700	4200	4000	3.35	1750	5950	2700	8000	4000		
2/18/2020	756.87	2300	4200	4000	3.33	1540	5740	2660	8000	4000		
2/19/2020	756.64	900	4200	4000	3.32	1620	5820	2640	8000	4000		
2/20/2020	756.35	900	4210	4000	3.31	1640	5850	2620	8000	4000		
2/21/2020	756.05	800	4220	4000	3.30	1410	5630	2600	8000	4000		
2/22/2020	755.75	800	4210	4000	3.29	1440	5650	2580	8000	4000		
2/23/2020	755.46	900	4200	4000	3.28	1540	5740	2560	8000	4000		
2/24/2020	755.17	900	4000	4000	3.27	1500	5500	2540	8000	4000		
2/25/2020	754.89	900	4000	4000	3.26	1500	5500	2520	8000	4000		
2/26/2020	754.61	900	4000	4000	3.25	1500	5500	2500	8000	4000		
2/27/2020	754.33	900	4000	4000	3.24	1800	5800	2480	7980	4000		
2/28/2020	754.06	1200	4000	4000	3.23	2000	6000	2460	6000	4000		
2/29/2020	753.84	1400	3500	4000	3.22	2200	5700	2440	6000	4000		
3/1/2020	753.65	1600	3500	4000	3.21	2400	5900	2420	6000	4000		
3/2/2020	753.48	1500	3200	4000	3.20	2600	5800	2400	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: January 2020

Day	Sacandaga Reservoir Elevation Average Daily	Sacandaga Reservoir Elevation Midnight	Sacandaga River Near Hope cfs	Reservoir Inflow Hope x 2.0845 cfs	Sacandaga River at Stewarts Bridge cfs	Hudson River at Hadley cfs	Regulated Hudson River below confluence cfs
1	762.91	762.91	1090	2272	4150	3420	7570
2	762.72	762.80	1000	2085	4130	3200	7330
3	762.54	762.65	964	2009	4130	2920	7050
4	762.40	762.47	1400	2918	4130	3200	7330
5	762.41	762.43	1780	3710	4140	3230	7370
6	762.32	762.37	1410	2939	4140	2990	7130
7	762.21	762.28	1270	2647	4140	2870	7010
8	762.07	762.13	1110	2314	4140	2740	6880
9	761.85	761.98	860	1793	4140	2710	6850
10	761.64	761.71	904	1884	4140	2510	6650
11	761.47	761.57	1040	2168	4160	2650	6810
12	761.64	761.40	7140	14883	3310	6290	9600
13	762.48	762.09	5000	10423	430	11400	11830
14	763.03	762.81	3470	7233	421	10200	10621
15	763.42	763.25	2740	5712	419	8080	8499
16	763.70	763.59	2170	4523	1330	6540	7870
17	763.81	763.76	1550	3231	2160	5360	7520
18	763.73	763.77	1270	2647	3440	4290	7730
19	763.62	763.67	1320	2752	4170	4310	8480
20	763.48	763.58	1140	2376	3650	4070	7720
21	763.28	763.34	1010	2105	4120	3160	7280
22	763.08	763.17	1040	2168	4110	3770	7880
23	762.88	763.00	918	1914	4120	3470	7590
24	762.66	762.75	885	1845	4110	3380	7490
25	762.45	762.56	838	1747	4110	3330	7440
26	762.31	762.44	885	1845	4100	3220	7320
27	762.15	762.28	851	1774	4100	3320	7420
28	761.95	762.05	802	1672	4110	3040	7150
29	761.73	761.84	725	1511	4110	2770	6880
30	761.49	761.62	632	1317	4110	2360	6470
31	761.24	761.36	620	1292	4110	2350	6460

AVERAGE 1540 3220 3550 4100 7650

CHANGE IN STORAGE DURING THE MONTH -1.92 B.C.F.

CHIEF ENGINEER

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

Monthly Report for: January, 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	1639.58	1639.68	380	658	278	1970
2	1639.39	1639.52	255	654	265	1770
3	1639.19	1639.29	270	548	253	1560
4	1639.16	1639.13	463	255	268	1710
5	1639.28	1639.25	342	255	293	1540
6	1639.34	1639.30	324	255	281	1590
7	1639.37	1639.35	324	255	275	1440
8	1639.37	1639.38	291	326	264	1380
9	1639.28	1639.37	157	365	234	1520
10	1639.18	1639.24	191	365	227	1360
11	1639.14	1639.14	490	368	241	1460
12	1639.78	1639.21	2468	385	840	4780
13	1640.82	1640.41	1633	381	2700	8570
14	1641.28	1641.11	903	384	2150	7050
15	1641.46	1641.38	626	385	1490	5040
16	1641.53	1641.51	481	425	1070	3780
17	1641.45	1641.54	274	533	742	2920
18	1641.33	1641.40	346	531	549	2370
19	1641.23	1641.30	234	530	480	2300
20	1641.08	1641.14	286	527	424	2170
21	1640.92	1641.01	211	526	374	2060
22	1640.76	1640.84	203	523	336	1990
23	1640.59	1640.67	227	522	304	1770
24	1640.41	1640.50	189	519	281	1660
25	1640.24	1640.31	310	518	263	1700
26	1640.11	1640.19	237	515	263	1690
27	1639.94	1640.03	201	514	263	1650
28	1639.76	1639.86	199	511	253	1500
29	1639.57	1639.67	179	509	236	1370
30	1639.39	1639.48	194	507	219	1240
31	1639.19	1639.30	139	504	205	1230

AVERAGE	420	453	526	2392
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CHANGE IN STORAGE DURING THE MONTH	-0.089 B.C.F
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CHIEF ENGINEER

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

Monthly Report for: January 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	1671.71	1671.70	676	700	1140	1250	8590
2	1671.64	1671.69	431	700	922	1120	8350
3	1671.53	1671.59	456	700	709	1100	7530
4	1671.43	1671.48	456	700	847	1070	6910
5	1671.33	1671.38	407	700	1050	1010	6430
6	1671.20	1671.26	431	700	931	1000	6010
7	1671.08	1671.15	358	700	902	989	5600
8	1670.95	1671.01	383	700	860	977	5010
9	1670.79	1670.88	253	700	713	902	3990
10	1670.62	1670.69	347	700	771	906	3800
11	1670.54	1670.55	915	633	939	1020	4860
12	1671.16	1670.66	2648	300	2510	1520	1040
13	1671.89	1671.63	1392	300	3690	1810	12500
14	1672.21	1672.08	935	300	2240	1250	15500
15	1672.41	1672.33	758	300	1600	1000	15800
16	1672.58	1672.50	707	300	1280	764	12900
17	1672.67	1672.66	525	550	967	675	10100
18	1672.62	1672.65	573	700	775	802	7960
19	1672.58	1672.61	547	700	674	815	5930
20	1672.50	1672.55	471	700	605	891	4500
21	1672.39	1672.45	370	700	546	1180	4240
22	1672.26	1672.33	370	700	499	1090	4440
23	1672.14	1672.19	319	700	463	893	4610
24	1672.02	1672.05	370	700	428	899	4740
25	1671.95	1671.91	429	700	406	928	4850
26	1671.87	1671.81	407	700	415	963	5070
27	1671.74	1671.68	309	700	420	853	5490
28	1671.59	1671.53	309	700	432	939	5490
29	1671.42	1671.37	285	700	444	897	5050
30	1671.23	1671.19	212	700	455	888	4350
31	1671.03	1670.99	268	700	526	900	3960

AVERAGE 559 628 940 1010 6630

CHANGE IN STORAGE DURING THE MONTH -0.19 B.C.F.

CHIEF ENGINEER

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

Monthly Report for: January, 2020

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow (cfs)	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1781.79	1781.75	64	0.50	0.50	42
2	1781.81	1781.81	38	0.50	0.50	42
3	1781.79	1781.80	38	0.50	0.50	42
4	1781.80	1781.79	49	0.50	0.50	42
5	1781.80	1781.81	35	0.50	0.50	42
6	1781.80	1781.79	53	0.50	0.50	42
7	1781.80	1781.82	32	0.83	0.83	50
8	1781.73	1781.77	40	0.83	0.83	65
9	1781.65	1781.70	33	0.83	0.83	65
10	1781.56	1781.61	38	0.83	0.83	64
11	1781.56	1781.54	130	0.83	0.83	65
12	1782.18	1781.72	344	0.83	0.83	68
13	1782.57	1782.50	113	0.83	0.83	70
14	1782.63	1782.62	71	0.83	0.83	71
15	1782.63	1782.62	67	0.83	0.83	71
16	1782.61	1782.61	60	0.83	0.83	71
17	1782.56	1782.58	48	0.83	0.83	70
18	1782.49	1782.52	59	0.83	0.83	70
19	1782.45	1782.49	48	0.83	0.83	70
20	1782.38	1782.43	37	0.83	0.83	69
21	1782.29	1782.34	35	0.83	0.83	69
22	1782.21	1782.25	37	0.83	0.83	68
23	1782.12	1782.16	37	0.83	0.83	68
24	1782.02	1782.07	32	0.83	0.83	67
25	1781.93	1781.97	46	0.83	0.83	67
26	1781.87	1781.91	42	0.83	0.83	66
27	1781.80	1781.84	41	0.83	0.83	66
28	1781.71	1781.77	29	0.83	0.83	65
29	1781.61	1781.67	29	0.83	0.83	65
30	1781.51	1781.57	29	0.83	0.83	64
31	1781.41	1781.47	25	0.83	0.83	63

AVERAGE 57 62

CHANGE IN STORAGE DURING THE MONTH -0.012 B.C.F

 CHIEF ENGINEER

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

Monthly Report for: January, 2020

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow (cfs)	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1704.51	1704.52	198	1.33	1.33	123
2	1704.54	1704.57	124	1.33	1.33	124
3	1704.52	1704.57	109	1.33	1.33	124
4	1704.52	1704.56	109	1.33	1.33	124
5	1704.51	1704.55	109	1.33	1.33	124
6	1704.52	1704.54	139	1.33	1.33	124
7	1704.50	1704.55	110	4.00	4.00	170
8	1704.36	1704.50	111	4.00	4.00	261
9	1704.26	1704.40	107	4.00	4.00	257
10	1704.15	1704.31	137	4.00	4.00	253
11	1704.09	1704.22	294	4.00	4.00	251
12	1704.31	1704.25	692	4.00	4.00	258
13	1704.48	1704.55	310	4.00	4.00	265
14	1704.46	1704.58	144	4.00	4.00	264
15	1704.38	1704.49	217	4.00	4.00	262
16	1704.32	1704.46	93	4.00	4.00	259
17	1704.23	1704.36	150	4.00	4.00	255
18	1704.15	1704.29	151	4.00	4.00	252
19	1704.06	1704.21	78	4.00	4.00	248
20	1703.96	1704.11	98	4.00	4.00	244
21	1703.85	1704.00	94	4.00	4.00	239
22	1703.75	1703.90	76	4.00	4.00	235
23	1703.65	1703.80	86	4.00	4.00	231
24	1703.55	1703.69	82	4.00	4.00	227
25	1703.46	1703.60	107	4.00	4.00	223
26	1703.37	1703.52	103	4.00	4.00	219
27	1703.30	1703.43	100	4.00	4.00	216
28	1703.30	1703.36	109	1.50	1.50	152
29	1703.32	1703.33	93	1.50	1.50	122
30	1703.30	1703.31	108	1.50	1.50	122
31	1703.29	1703.30	91	1.50	1.50	121

AVERAGE 146 205

CHANGE IN STORAGE DURING THE MONTH -0.157 B.C.F

 CHIEF ENGINEER

STATE OF NEW YORK
 HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
SACANDAGA RESERVOIR OPERATION
 FOR WEEK ENDING: February 8, 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 1	761.12	27.70	12 AM - Mid	4,110	2,560	6,670
Sunday 2	760.86	27.43	12 AM - Mid	4,110	2,460	6,570
Monday 3	760.63	27.19	12 AM - Mid	4,160	2,360	6,520
Tuesday 4	760.37	26.92	12 AM - Mid	4,160	2,280	6,440
Wednesday 5	760.11	26.64	12 AM - Mid	4,160	2,170	6,330
Thursday 6	759.88	26.40	12 AM - Mid	4,170	1,890	6,060
Friday 7	759.62	26.13	12 AM - Mid	4,200	1,930	6,130
Saturday 8	759.56	26.06	12 AM - Mid	4,210	1,640	5,850
CHANGE IN STORAGE DURING THE WEEK		-1.64	* 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	761.81	28.44	6	2013	751.51	18.14
2	2020	759.56	26.06	7	2017	750.41	17.12
3	2018	752.83	19.38	8	2014	749.67	16.44
4	2016	752.34	18.91	9	2011	749.62	16.40
5	2012	751.55	18.17	10	2015	749.53	16.32

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: February 15, 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 8	759.56	26.06	12 AM - Mid	4,210	1,640	5,850
Sunday 9	759.29	25.79	12 AM - Mid	4,210	1,710	5,920
Monday 10	759.04	25.53	12 AM - Mid	4,210	1,970	6,180
Tuesday 11	758.84	25.33	12 AM - Mid	4,210	2,080	6,290
Wednesday 12	758.62	25.10	12 AM - Mid	4,210	2,040	6,250
Thursday 13	759.34	25.84	12 AM - Mid	4,190	1,910	6,100
Friday 14	759.12	25.61	12 AM - Mid	4,210	1,740	5,950
Saturday 15	757.85	24.31	12 AM - Mid	4,210	1,360	5,570
CHANGE IN STORAGE DURING THE WEEK		-1.75	* 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	762.43	29.11	6	2013	750.03	16.77
2	2020	757.85	24.31	7	2012	749.79	16.55
3	2016	751.46	18.09	8	2014	749.34	16.14
4	2018	751.11	17.76	9	2015	749.31	16.12
5	2017	750.32	17.04	10	2011	749.19	16.01

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: February 22, 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 15	757.85	24.31	12 AM - Mid	4,210	1,360	5,570
Sunday 16	757.55	24.01	12 AM - Mid	4,210	1,600	5,810
Monday 17	757.27	23.73	12 AM - Mid	4,200	1,750	5,950
Tuesday 18	756.94	23.39	12 AM - Mid	4,200	1,540	5,740
Wednesday 19	756.81	23.25	12 AM - Mid	4,200	1,620	5,820
Thursday 20	756.47	22.92	12 AM - Mid	4,210	1,640	5,850
Friday 21	756.20	22.65	12 AM - Mid	4,220	1,420	5,640
Saturday 22	755.91	22.37	12 AM - Mid	4,210	1,440	5,650
CHANGE IN STORAGE DURING THE WEEK		-1.95	* 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	761.15	27.74	6	2011	748.92	15.76
2	2020	755.91	22.37	7	2013	748.90	15.75
3	2018	751.07	17.73	8	2014	748.80	15.66
4	2016	750.76	17.44	9	2012	748.75	15.61
5	2015	748.92	15.76	10	2017	748.72	15.59

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
INDIAN LAKE RESERVOIR OPERATION
 FOR WEEK ENDING: February 8, 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 1	1,639.10	1.67	12 AM - Mid	500	197	1,200
Sunday 2	1,638.90	1.64	12 AM - Mid	498	189	1,200
Monday 3	1,638.72	1.61	12 AM - Mid	494	182	1,190
Tuesday 4	1,638.54	1.59	12 AM - Mid	410	175	1,210
Wednesday 5	1,638.37	1.56	12 AM - Mid	182	168	778
Thursday 6	1,638.34	1.56	12 AM - Mid	182	166	763
Friday 7	1,638.37	1.56	12 AM - Mid	183	179	871
Saturday 8	1,638.43	1.57	12 AM - Mid	182	195	922
CHANGE IN STORAGE DURING THE WEEK		-0.10	* 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	1,643.50	2.36	6	2012	1,640.14	1.83
2	2019	1,641.37	2.02	7	2014	1,639.96	1.80
3	2017	1,641.19	1.99	8	2011	1,639.68	1.76
4	2013	1,640.94	1.95	9	2015	1,639.48	1.73
5	2016	1,640.85	1.94	10	2020	1,638.43	1.57

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: February 15, 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 8	1,638.43	1.57	12 AM - Mid	182	195	922
Sunday 9	1,638.42	1.57	12 AM - Mid	182	194	938
Monday 10	1,638.40	1.57	12 AM - Mid	182	192	939
Tuesday 11	1,638.36	1.56	12 AM - Mid	181	185	932
Wednesday 12	1,638.34	1.56	12 AM - Mid	181	178	901
Thursday 13	1,638.32	1.55	12 AM - Mid	180	172	879
Friday 14	1,638.26	1.54	12 AM - Mid	180	163	764
Saturday 15	1,638.26	1.54	12 AM - Mid	180	156	757

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	1,642.69	2.23	6	2012	1,639.75	1.77
2	2017	1,641.99	2.12	7	2011	1,639.34	1.71
3	2019	1,641.42	2.03	8	2015	1,639.19	1.68
4	2016	1,640.73	1.92	9	2014	1,638.60	1.60
5	2013	1,640.51	1.88	10	2020	1,638.26	1.54

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: February 22, 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 15	1,638.26	1.54	12 AM - Mid	180	156	757
Sunday 16	1,638.20	1.54	12 AM - Mid	180	151	755
Monday 17	1,638.16	1.53	12 AM - Mid	180	147	732
Tuesday 18	1,638.10	1.52	12 AM - Mid	180	143	722
Wednesday 19	1,638.10	1.52	12 AM - Mid	178	141	719
Thursday 20	1,638.05	1.51	12 AM - Mid	178	137	710
Friday 21	1,637.99	1.50	12 AM - Mid	178	133	641
Saturday 22	1,637.97	1.50	12 AM - Mid	177	130	627

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	1,643.13	2.30	6	2012	1,639.30	1.70
2	2017	1,641.60	2.06	7	2011	1,638.96	1.65
3	2016	1,640.76	1.92	8	2015	1,638.85	1.63
4	2019	1,640.46	1.87	9	2014	1,638.61	1.60
5	2013	1,639.81	1.78	10	2020	1,637.97	1.50

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: **February 8, 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 1	1,670.82	2.72	12 AM -Mid	700	898	3,830
Sunday 2	1,670.62	2.68	12 AM -Mid	700	893	3,560
Monday 3	1,670.42	2.64	12 AM -Mid	700	908	3,610
Tuesday 4	1,670.21	2.60	12 AM -Mid	700	850	3,320
Wednesday 5	1,669.98	2.55	12 AM -Mid	700	761	3,260
Thursday 6	1,669.75	2.51	12 AM -Mid	700	783	3,110
Friday 7	1,669.57	2.48	12 AM -Mid	700	866	2,830
Saturday 8	1,669.44	2.46	12 AM -Mid	700	893	2,240

CHANGE IN STORAGE DURING THE WEEK	-0.26
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2014	1,673.08	3.21	6	2017	1,668.87	2.36
2	2018	1,672.72	3.13	7	2011	1,668.45	2.29
3	2019	1,669.77	2.51	8	2016	1,668.26	2.26
4	2013	1,669.45	2.46	9	2012	1,667.76	2.18
5	2020	1,669.44	2.46	10	2015	1,663.88	1.54

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: February 15, 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 8	1,669.44	2.46	12 AM -Mid	700	893	2,240
Sunday 9	1,669.22	2.42	12 AM -Mid	700	1,030	3,320
Monday 10	1,669.00	2.38	12 AM -Mid	700	860	3,470
Tuesday 11	1,668.78	2.35	12 AM -Mid	700	843	3,490
Wednesday 12	1,668.55	2.31	12 AM -Mid	700	898	3,590
Thursday 13	1,668.31	2.27	12 AM -Mid	700	856	3,540
Friday 14	1,668.09	2.23	12 AM -Mid	700	749	3,190
Saturday 15	1,667.85	2.19	12 AM -Mid	700	853	2,990

CHANGE IN STORAGE DURING THE WEEK	-0.26
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2014	1,671.98	2.97	6	2020	1,667.85	2.19
2	2018	1,671.87	2.94	7	2011	1,667.81	2.19
3	2019	1,670.07	2.57	8	2016	1,667.39	2.12
4	2013	1,669.40	2.45	9	2012	1,667.28	2.10
5	2017	1,668.48	2.30	10	2015	1,662.94	1.38

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: **February 22, 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 15	1,667.85	2.19	12 AM -Mid	700	853	2,990
Sunday 16	1,667.59	2.15	12 AM -Mid	700	863	2,910
Monday 17	1,667.33	2.11	12 AM -Mid	700	777	2,930
Tuesday 18	1,667.07	2.06	12 AM -Mid	700	801	3,000
Wednesday 19	1,666.82	2.02	12 AM -Mid	700	790	2,890
Thursday 20	1,666.53	1.97	12 AM -Mid	700	801	2,890
Friday 21	1,666.25	1.93	12 AM -Mid	700	835	3,010
Saturday 22	1,665.94	1.88	12 AM -Mid	700	846	2,870

CHANGE IN STORAGE DURING THE WEEK	-0.31
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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	1,672.47	3.07	6	2017	1,667.23	2.09
2	2014	1,670.85	2.73	7	2011	1,667.23	2.09
3	2019	1,669.25	2.43	8	2012	1,666.60	1.99
4	2013	1,668.90	2.37	9	2020	1,665.94	1.88
5	2016	1,667.51	2.14	10	2015	1,661.82	1.20

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: **February 8, 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 1	1,703.28	0.439	121	1,781.36	0.157	63
Sunday 2	1,703.26	0.438	121	1,781.26	0.154	62
Monday 3	1,703.24	0.435	121	1,781.17	0.151	62
Tuesday 4	1,703.23	0.434	120	1,781.06	0.148	61
Wednesday 5	1,703.19	0.429	120	1,780.96	0.145	61
Thursday 6	1,703.18	0.427	120	1,780.87	0.142	60
Friday 7	1,703.20	0.430	120	1,780.82	0.141	60
Saturday 8	1,703.27	0.438	121	1,780.82	0.141	60
CHANGE IN STORAGE		-0.001			-0.016	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2016	1,703.98	0.528	1	2018	1,781.96	0.175
2	2017	1,703.65	0.528	2	2016	1,781.43	0.159
3	2018	1,703.63	0.487	3	2017	1,781.16	0.151
4	2019	1,703.57	0.484	4	2020	1,780.82	0.141
5	2020	1,703.27	0.477	5	2019	1,779.99	0.116

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: February 15, 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 8	1,703.27	0.438	121	1,780.82	0.141	60
Sunday 9	1,703.25	0.437	121	1,780.73	0.138	59
Monday 10	1,703.23	0.434	120	1,780.66	0.136	58
Tuesday 11	1,703.22	0.433	120	1,780.57	0.133	58
Wednesday 12	1,703.18	0.427	120	1,780.47	0.130	57
Thursday 13	1,703.16	0.425	119	1,780.39	0.128	56
Friday 14	1,703.14	0.422	119	1,780.31	0.126	56
Saturday 15	1,703.11	0.417	118	1,780.22	0.123	55
CHANGE IN STORAGE		-0.021			-0.018	

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	1,703.71	0.494	1	2016	1,781.53	0.162
2	2017	1,703.68	0.491	2	2017	1,781.33	0.156
3	2016	1,703.64	0.486	3	2018	1,781.18	0.152
4	2018	1,703.32	0.446	4	2020	1,780.22	0.123
5	2020	1,703.11	0.417	5	2019	1,780.21	0.123

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: February 22, 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 15	1,703.11	0.417	118	1,780.22	0.123	55
Sunday 16	1,703.08	0.413	118	1,780.14	0.120	54
Monday 17	1,703.05	0.410	117	1,780.05	0.118	53
Tuesday 18	1,703.02	0.406	117	1,779.96	0.115	53
Wednesday 19	1,703.01	0.406	116	1,779.91	0.114	52
Thursday 20	1,702.97	0.401	116	1,779.82	0.111	52
Friday 21	1,702.94	0.397	115	1,779.73	0.108	51
Saturday 22	1,702.90	0.392	115	1,779.65	0.106	50
CHANGE IN STORAGE		-0.025			-0.017	

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	2018	1,703.57	0.477	1	2016	1,781.60	0.164
2	2016	1,703.43	0.459	2	2018	1,781.37	0.157
3	2019	1,703.41	0.457	3	2017	1,780.91	0.144
4	2017	1,703.39	0.454	4	2019	1,779.66	0.106
5	2020	1,702.90	0.392	5	2020	1,779.65	0.106

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