

REPORT OF CHIEF ENGINEER
HUDSON RIVER - BLACK RIVER REGULATING DISTRICT
BOARD MEETING
APRIL 13, 2021 – MAYFIELD, NEW YORK

HUDSON RIVER AREA - MARCH SUMMARY

Reservoir Operation

Great Sacandaga Lake

The March average daily release from the Sacandaga Reservoir (Great Sacandaga Lake) was approximately 1,100 cubic feet per second (cfs). The Upper Hudson / Sacandaga River Offer of Settlement target elevation for March 31 is 749.12 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
Feb. 28	749.59	+2.70	+0.13	0	991
Mar. 31	756.7 (e)	+6.0 (e)	+7.5 (e)	0	350 (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 March average daily release from Indian Lake was approximately 195 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	
Feb. 28	1,638.19	-1.86	+0.24	275
Mar. 31	1,643.4 (e)	+1.8 (e)	+6.3 (e)	142 (e)

Notes: ⁽¹⁾ Local datum = NAVD elevation + 1617.63ft; spillway crest = 1651.01ft (33.38ft)

⁽²⁾ "(e)" represents estimated value

HUDSON RIVER AREA - MARCH SUMMARY- continued

River Flow

Hudson River flow, downstream of the confluence with the Sacandaga River, was approximately 12,320 cfs on March 28 and approximately 5,270 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	2,680 (e)	1,640
Sacandaga at Stewarts Bridge	1,100 (e)	1,990
Indian at Indian Lake Dam	194 (e)	280
Hudson at Hadley (1)	3,360 (e)	3,671

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

Precipitation

Monthly total precipitation measured 67%, 44%, and 35% historic average at Indian Lake, Mayfield, and Conklingville, respectively, as of March 28

Table 4.0 - *Hudson River Basin Precipitation - as of March 28*

Station	Monthly Total (inch)	Historic Average (inch)
Indian Lake	2.08	3.09
Mayfield	1.59	3.59
Conklingville	1.28	3.67

HUDSON RIVER AREA - MARCH SUMMARY- continued

Operation Overview

Precipitation during the month of March 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 106% and 126% of historic average, respectively. Monthly release of water from Great Sacandaga Lake and Indian Lake measured 53% and 67% of historic average, respectively.

Great Sacandaga Lake Operation

Great Sacandaga Lake operation summary report for the period March 1, 2021 through March 28, 2021 is attached. This report includes projected and forecast values for dates after March 28, 2021.

Hudson River Area Staff Activities

Staff completed routine maintenance and operations activities during the month.

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

BLACK RIVER AREA – MARCH SUMMARY

Reservoir Operations

Stillwater Reservoir

The March average daily release from Stillwater Reservoir was approximately 240 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)
Feb. 28	1,663.70	-2.56	500
Mar. 31	1,668.7 (e)	+0.5 (e)	50 (e)

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

Sixth Lake Reservoir

The March average daily release from Sixth Lake Reservoir was approximately 50 cfs.

Table 2.0 - *Sixth Lake Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
Feb. 28	1,780.18	-1.79	18
Mar. 31	1,781.9 (e)	-0.1 (e)	175 (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 March average daily release from Old Forge Reservoir was approximately 70 cfs.

Table 3.0 - *Old Forge Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
Feb. 28	1,703.09	-0.62	73
Mar. 31	1,704.5 (e)	+0.6 (e)	160 (e)

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

BLACK RIVER AREA - MARCH SUMMARY - continued

River Flow

The average daily Black River flow, as measured at the Watertown gauge, was approximately 22,300 cfs on March 28.

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

River	Monthly Average Flow (cfs)	Historic Average Flow (1) (cfs)
Moose at McKeever	1,863 (e)	1,107
Beaver at Croghan	720 (e)	722
Black at Watertown	6,640 (e)	6,160

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

Precipitation

Monthly total precipitation measured 78%, 69%, 53% of historic average at Stillwater, Old Forge, and Sixth Lake, respectively, as of March 28.

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

Station	Monthly Total (inch)	Historic Average (inch)
Stillwater	2.57	3.30
Old Forge	2.49	3.63
Sixth Lake	1.78	3.35

BLACK RIVER AREA - MARCH SUMMARY - continued

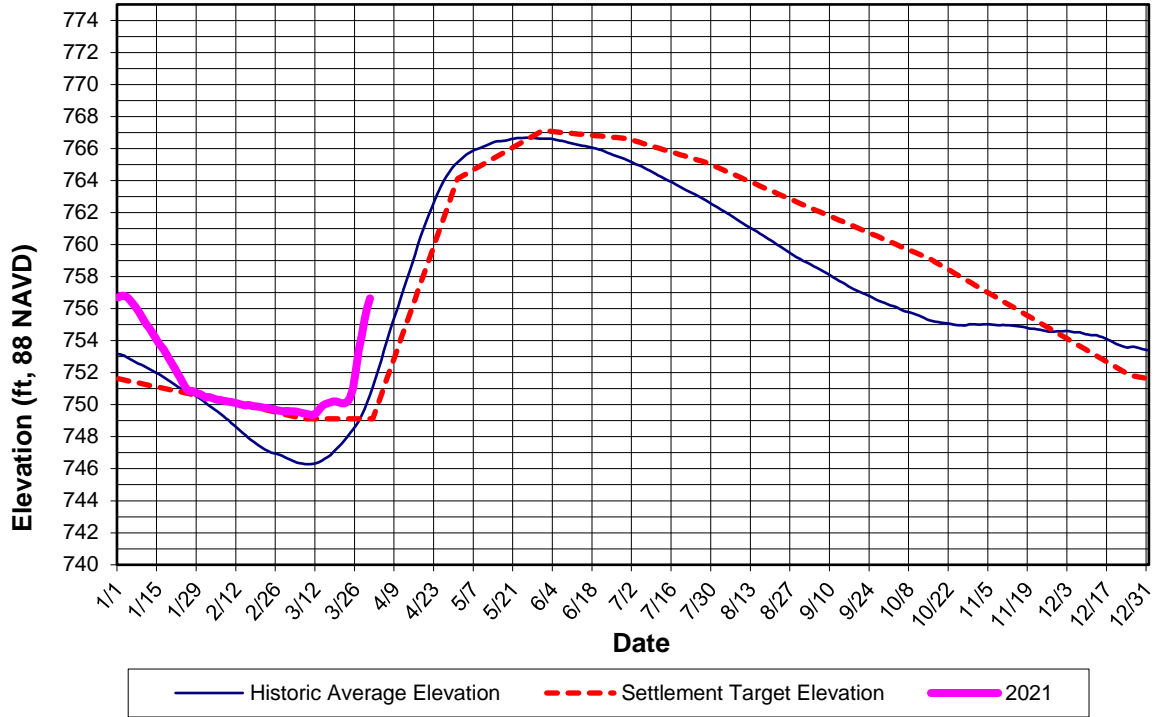
Operation Overview

Precipitation in the month of March was below average at Stillwater, Old Forge and at Sixth Lake. The monthly inflow to Stillwater Reservoir was approximately 74% of historic average. The inflow to Sixth Lake and Old Forge Reservoir totaled 0.17 and 0.38 billion cubic feet, respectively, in March. Release of water from Stillwater Reservoir averaged 57% of historic discharge.

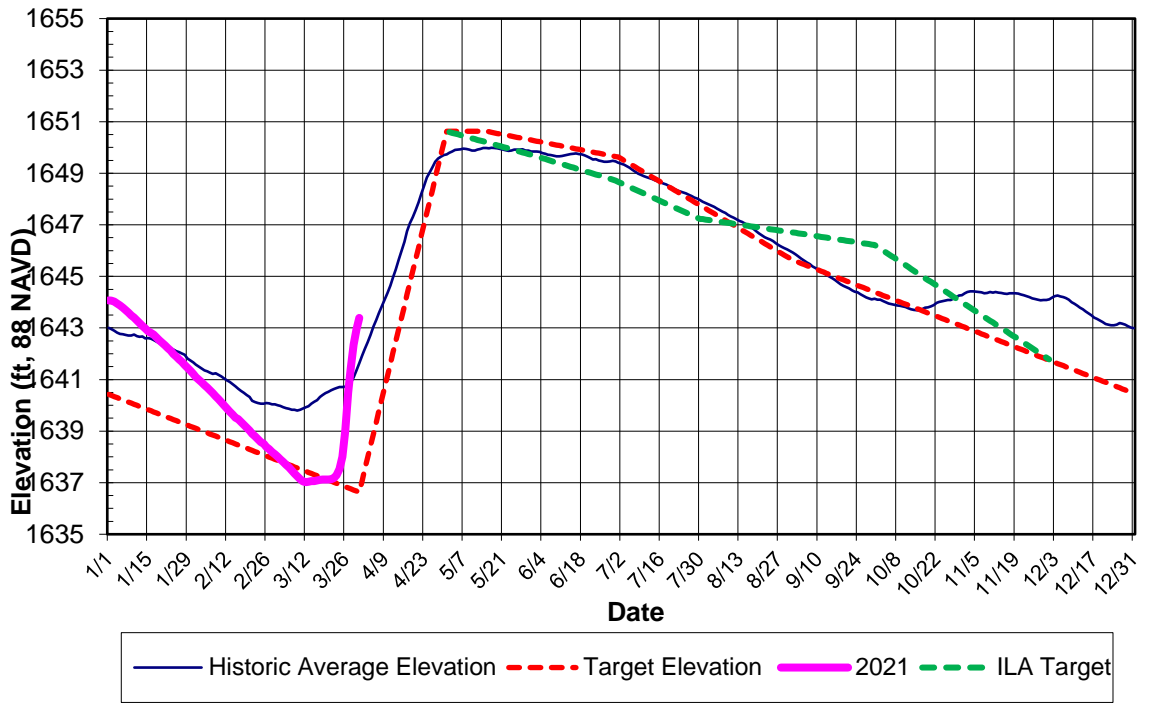
Black River Area Staff Activities

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

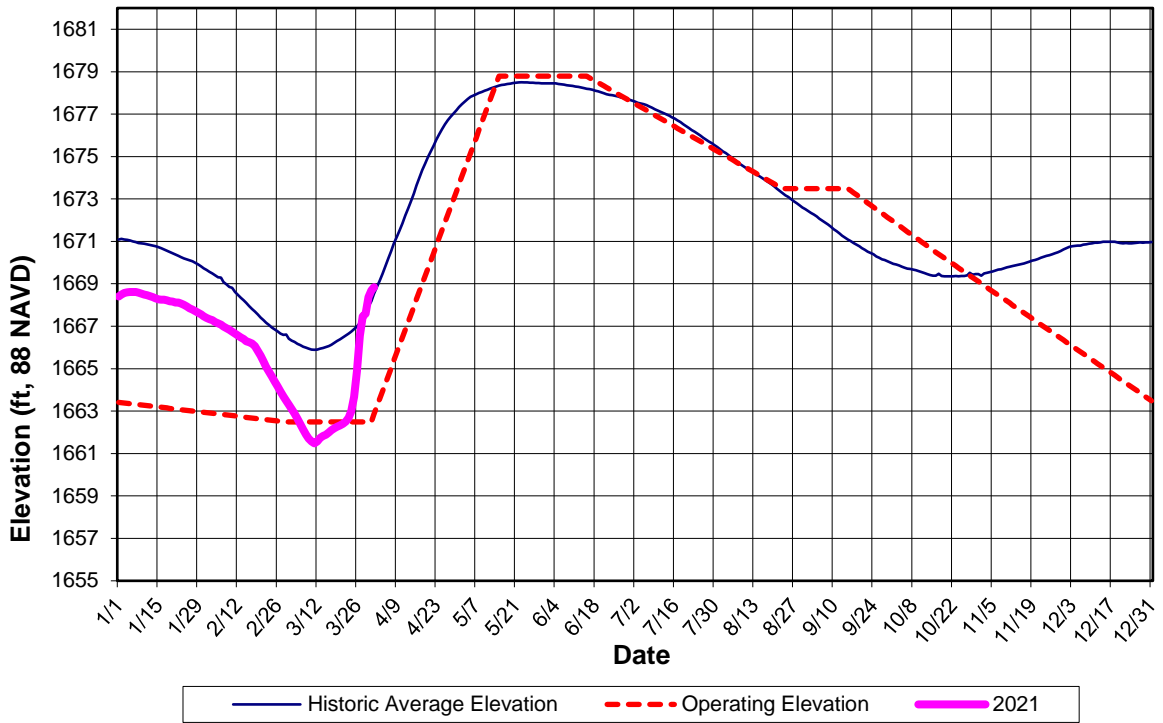
Great Sacandaga Lake 2021 Reservoir Elevation



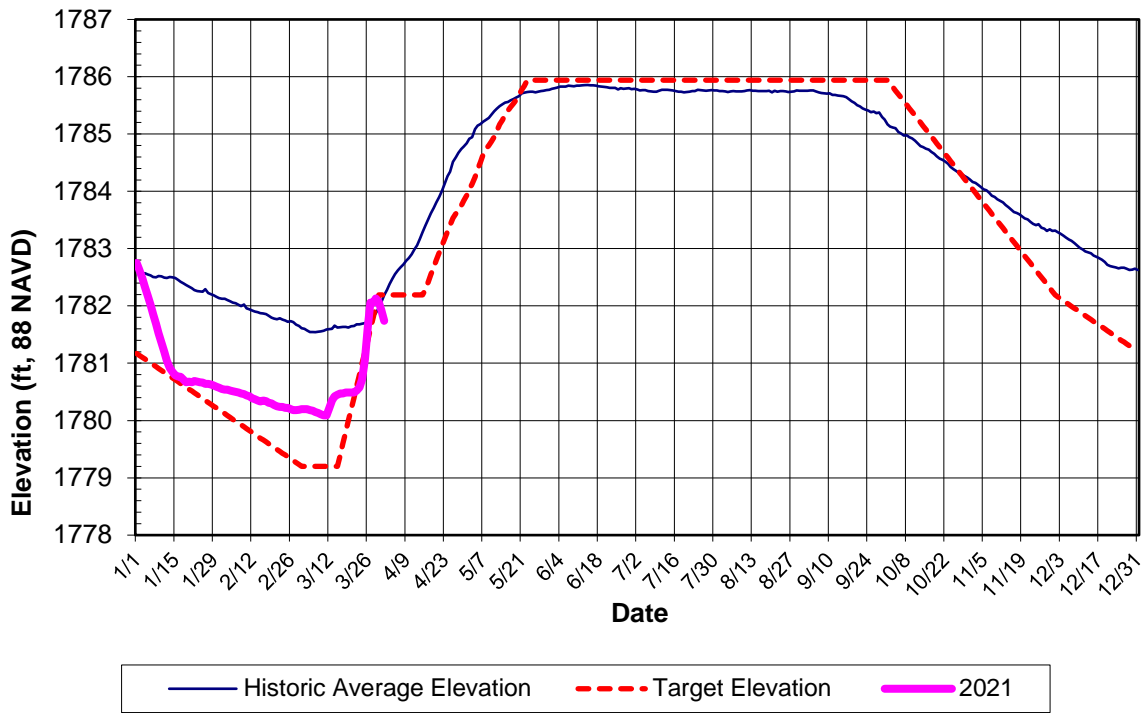
Indian Lake 2021 Reservoir Elevation



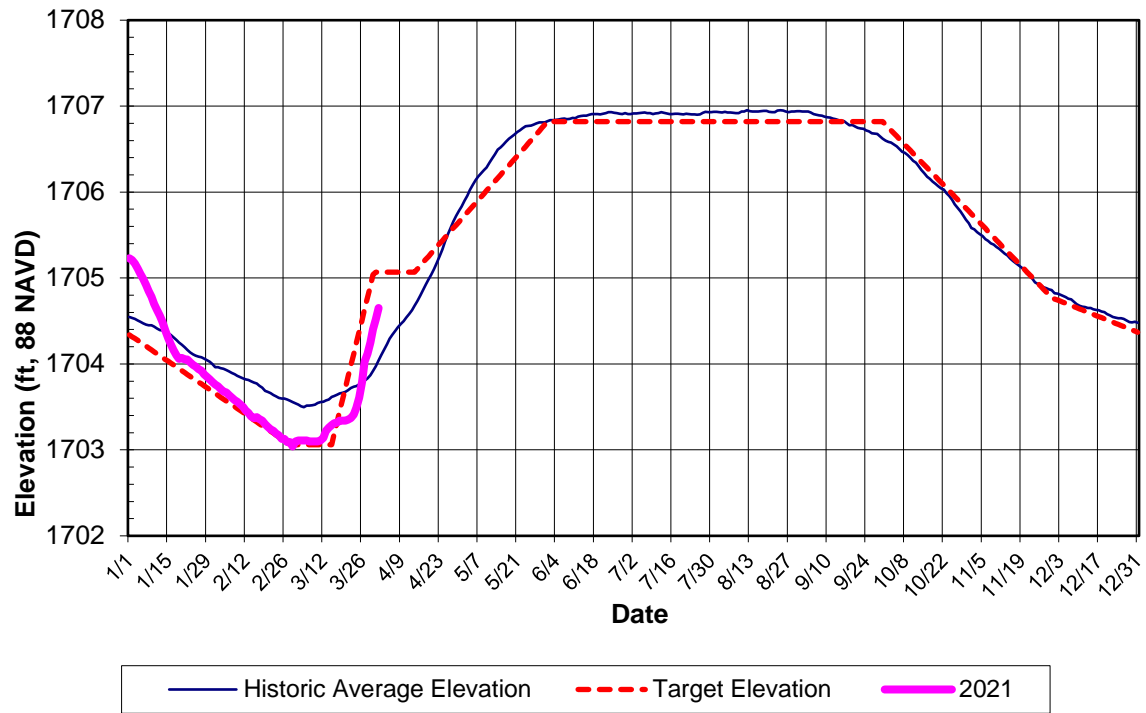
Stillwater Reservoir 2021 Reservoir Elevation



Sixth Lake 2021 Reservoir Elevation



Old Forge 2021 Reservoir Elevation



SACANDAGA RESERVOIR ELEVATION CALCULATOR

Datum: **1988 NAVD**

Settlement Parameters	
Date	3/30/2021
Target Elevation	749.12
Actual "Level"	3.03
"Level 2.5 threshold"	
"Level 1.2 threshold"	740.42
Hudson River Target	Elevation Level
Maximum Flow (cfs)	8000 7560
Minimum Flow (cfs)	n/a 2060
Min. Rec/Rafting Hours (hrs)	#VALUE!

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	3/30/2021
Day of Year	5203
Starting Elevation (ft)	755.70
Average Elevation	755.28
Flow Below Hadley (cfs)	8850
Todays Release	350
Tomorrows Release	350

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

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

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

Starting Date 12:00 AM	Starting Elevation	Net Average Inflow	E.J. West	Sacandaga River Flow				Settlement Level	Hudson at Hadley	Hudson River Below Confluence	Hudson River Target Flow			Ending Elevation	Ending Date 12:00 AM	Daily Average Elevation	Settlement Target Elevation	Historic Daily Average Elev.
				Valves	Spillway	Average Release	Maximum (Table F - Elev.)				Minimum (Table C - Level)	Maximum (Table D - Elev.)	Maximum (Table E - Level)					
3/1/2021	749.57	1700	974	0	0	974	4000	3.00	1210	2184	2000	6000	7500	749.63	3/2/2021	749.60	749.38	746.78
3/2/2021	749.63	400	967	0	0	967	4000	3.00	1280	2247	2000	6000	7500	749.57	3/3/2021	749.60	749.34	746.70
3/3/2021	749.57	1000	966	0	0	966	4000	3.00	1150	2116	2000	6000	7500	749.57	3/4/2021	749.57	749.31	746.62
3/4/2021	749.57	1000	966	0	0	966	4000	3.00	1210	2176	2000	6000	7500	749.57	3/5/2021	749.57	749.27	746.54
3/5/2021	749.57	400	970	0	0	970	4000	3.00	1300	2270	2000	6000	7500	749.51	3/6/2021	749.54	749.23	746.47
3/6/2021	749.51	800	950	0	0	950	4000	3.00	1140	2090	2000	6000	7500	749.49	3/7/2021	749.50	749.19	746.43
3/7/2021	749.49	700	970	0	0	970	4000	3.00	1070	2040	2000	6000	7500	749.46	3/8/2021	749.48	749.16	746.40
3/8/2021	749.46	600	974	0	0	974	4000	3.00	1140	2114	2000	6000	7500	749.42	3/9/2021	749.44	749.12	746.37
3/9/2021	749.42	500	953	0	0	953	4000	3.00	1080	2033	2000	6000	7500	749.37	3/10/2021	749.40	749.12	746.36
3/10/2021	749.37	700	959	0	0	959	4000	3.00	1150	2109	2000	6000	7500	749.34	3/11/2021	749.36	749.12	746.38
3/11/2021	749.34	1500	968	0	0	968	4000	3.00	1220	2188	2000	6000	7500	749.39	3/12/2021	749.37	749.12	746.39
3/12/2021	749.39	2700	972	0	0	972	4000	3.00	1670	2642	2000	6000	7500	749.55	3/13/2021	749.47	749.12	746.43
3/13/2021	749.55	3800	963	0	0	963	4000	3.02	2500	3463	2040	6000	7540	749.81	3/14/2021	749.68	749.12	746.49
3/14/2021	749.81	2400	974	0	0	974	4000	3.03	2590	3564	2060	6000	7560	749.94	3/15/2021	749.88	749.12	746.61
3/15/2021	749.94	2000	964	0	0	964	4000	3.03	2320	3284	2060	6000	7560	750.03	3/16/2021	749.99	749.12	746.73
3/16/2021	750.03	2000	973	0	0	973	4000	3.03	2070	3043	2060	6000	7560	750.12	3/17/2021	750.08	749.12	746.83
3/17/2021	750.12	1300	961	0	0	961	4000	3.04	2040	3001	2080	6000	7580	750.15	3/18/2021	750.14	749.12	746.96
3/18/2021	750.15	1900	970	0	0	970	4000	3.04	2000	2970	2080	6000	7580	750.23	3/19/2021	750.19	749.12	747.14
3/19/2021	750.23	1700	2220	0	0	2220	4000	3.04	1930	4150	2080	6000	7580	750.18	3/20/2021	750.21	749.12	747.31
3/20/2021	750.18	1300	2220	0	0	2220	4000	3.04	1840	4060	2080	6000	7580	750.09	3/21/2021	750.14	749.12	747.49
3/21/2021	750.09	2100	2210	0	0	2210	4000	3.04	1910	4120	2080	6000	7580	750.07	3/22/2021	750.08	749.12	747.67
3/22/2021	750.07	2700	2200	0	0	2200	4000	3.04	2180	4380	2080	6000	7580	750.11	3/23/2021	750.09	749.12	747.90
3/23/2021	750.11	3700	2210	0	0	2210	4000	3.06	2660	4870	2120	6000	7620	750.24	3/24/2021	750.18	749.12	748.14
3/24/2021	750.24	6100	1920	0	0	1920	4000	3.09	3440	5360	2160	6000	7660	750.63	3/25/2021	750.44	749.12	748.34
3/25/2021	750.63	9300	1100	0	0	1100	4000	3.11	4760	5860	2200	6000	7700	751.39	3/26/2021	751.01	749.12	748.56
3/26/2021	751.39	15400	350	0	0	350	4000	3.13	8410	8760	2260	6000	7760	752.77	3/27/2021	752.08	749.12	748.79
3/27/2021	752.77	12500	350	0	0	350	4000	3.16	13100	13450	2320	6000	7820	753.86	3/28/2021	753.32	749.12	749.07
3/28/2021	753.86	11600	350	0	0	350	4000	3.20	11900	12250	2380	8000	7880	754.86	3/29/2021	754.36	749.12	749.43
3/29/2021	754.86	10000	350	0	0	350	4000	3.23	10000	10350	2460	8000	7960	755.70	3/30/2021	755.28	749.12	749.81
3/30/2021	755.70	8000	350	0	0	350	4000	3.26	8500	8850	2520	8000	8020	756.36	3/31/2021	756.03	749.12	750.23
3/31/2021	756.36	7000	350	0	0	350	4000	3.30	7800	8150	2580	8000	8080	756.93	4/1/2021	756.65	749.12	750.70
4/1/2021	756.93	7000	350	0	0	350	4000	3.33	6500	6850	2660	8000	8160	757.50	4/2/2021		749.62	751.21
6/6/2020	767.29	300	800	0	0	800	5487	3.00	500	1300	2000	8000	7500	777.12	3/15/2019	#N/A	#N/A	

500

Signature: _____

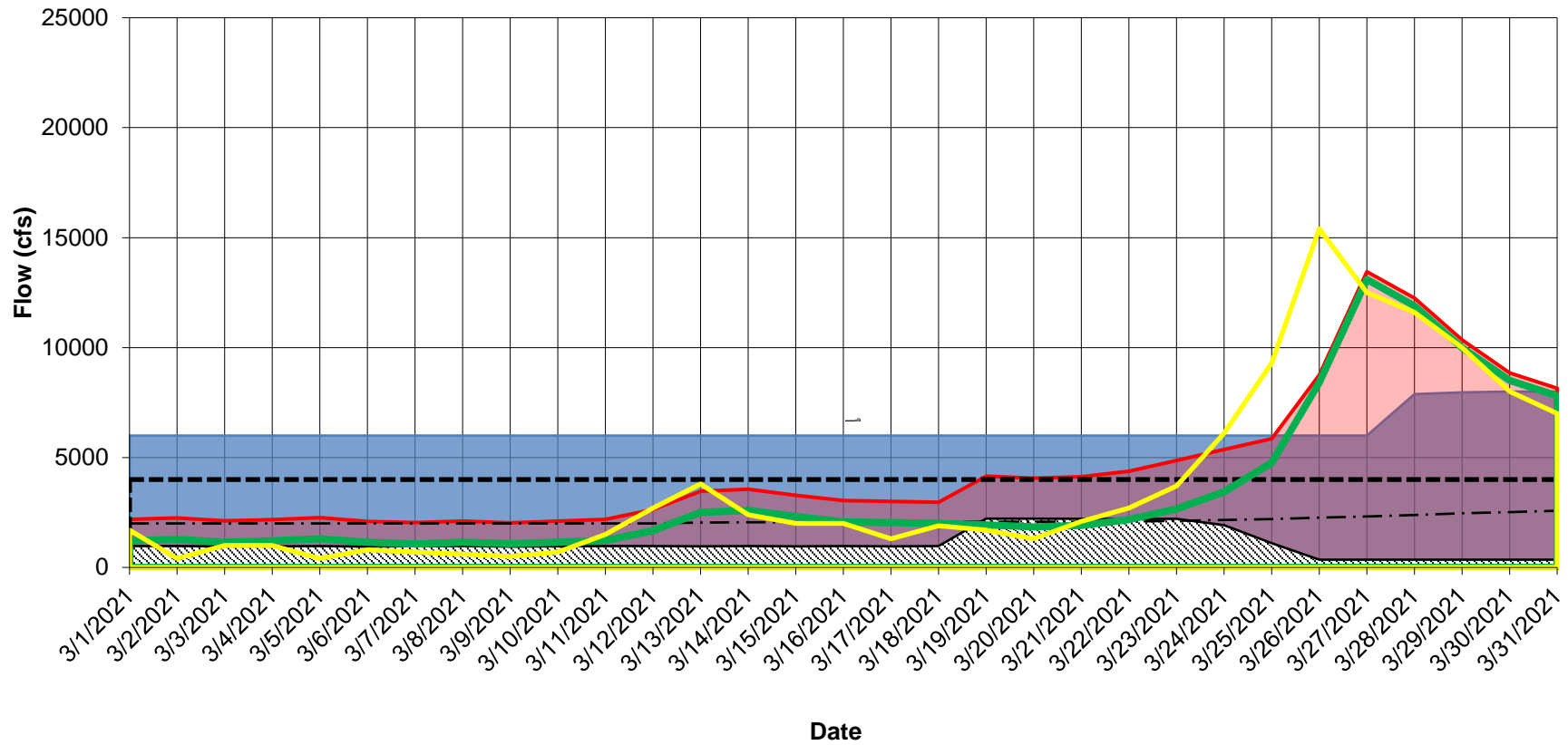
Date: _____

**GREAT SACANDAGA LAKE
RESERVOIR OPERATION SUMMARY**

Print Date: 3/30/2021
 Period of Record: 3/1/2021 to 3/29/2021

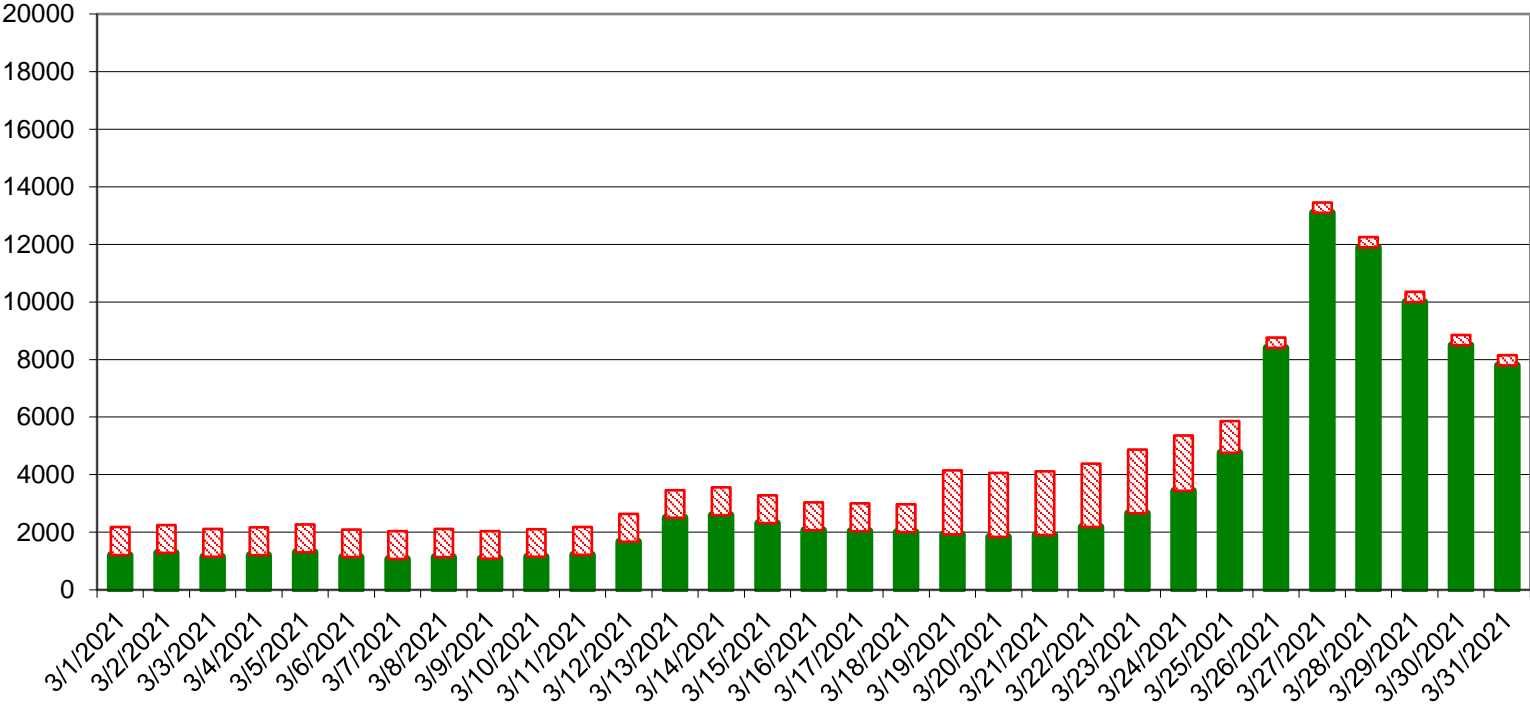
Starting Date 12:00 AM	Daily Avg. Elevation	Net Average Inflow	Sacandaga River Flow Average Release (Table F - Elev.)		Settlement Level	Hudson at Hadley	Hudson River Below Confluence	Hudson River Target Flow Minimum (Table B - Level) Maximum (Table D & E)		Maximum Allowable Sacandaga
3/1/2021	749.60	1700	974	4000	3.00	1210	2184	2000	6000	4000
3/2/2021	749.60	400	967	4000	3.00	1280	2247	2000	6000	4000
3/3/2021	749.57	1000	966	4000	3.00	1150	2116	2000	6000	4000
3/4/2021	749.57	1000	966	4000	3.00	1210	2176	2000	6000	4000
3/5/2021	749.54	400	970	4000	3.00	1300	2270	2000	6000	4000
3/6/2021	749.50	800	950	4000	3.00	1140	2090	2000	6000	4000
3/7/2021	749.48	700	970	4000	3.00	1070	2040	2000	6000	4000
3/8/2021	749.44	600	974	4000	3.00	1140	2114	2000	6000	4000
3/9/2021	749.40	500	953	4000	3.00	1080	2033	2000	6000	4000
3/10/2021	749.36	700	959	4000	3.00	1150	2109	2000	6000	4000
3/11/2021	749.37	1500	968	4000	3.00	1220	2188	2000	6000	4000
3/12/2021	749.47	2700	972	4000	3.00	1670	2642	2000	6000	4000
3/13/2021	749.68	3800	963	4000	3.02	2500	3463	2040	6000	4000
3/14/2021	749.88	2400	974	4000	3.03	2590	3564	2060	6000	4000
3/15/2021	749.99	2000	964	4000	3.03	2320	3284	2060	6000	4000
3/16/2021	750.08	2000	973	4000	3.03	2070	3043	2060	6000	4000
3/17/2021	750.14	1300	961	4000	3.04	2040	3001	2080	6000	4000
3/18/2021	750.19	1900	970	4000	3.04	2000	2970	2080	6000	4000
3/19/2021	750.21	1700	2220	4000	3.04	1930	4150	2080	6000	4000
3/20/2021	750.14	1300	2220	4000	3.04	1840	4060	2080	6000	4000
3/21/2021	750.08	2100	2210	4000	3.04	1910	4120	2080	6000	4000
3/22/2021	750.09	2700	2200	4000	3.04	2180	4380	2080	6000	4000
3/23/2021	750.18	3700	2210	4000	3.06	2660	4870	2120	6000	4000
3/24/2021	750.44	6100	1920	4000	3.09	3440	5360	2160	6000	4000
3/25/2021	751.01	9300	1100	4000	3.11	4760	5860	2200	6000	4000
3/26/2021	752.08	15400	350	4000	3.13	8410	8760	2260	6000	4000
3/27/2021	753.32	12500	350	4000	3.16	13100	13450	2320	6000	4000
3/28/2021	754.36	11600	350	4000	3.20	11900	12250	2380	7880	4000
3/29/2021	755.28	10000	350	4000	3.23	10000	10350	2460	7960	4000
3/30/2021	756.03	8000	350	4000	3.26	8500	8850	2520	8000	4000
3/31/2021	756.65	7000	350	4000	3.30	7800	8150	2580	8000	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: February 2021

Day	Sacandaga Reservoir Elevation Average Daily	Sacandaga Reservoir Elevation Midnight	Sacandaga River Near Hope cfs	Reservoir Inflow Hope x 2.0710 cfs	Sacandaga River at Stewarts Bridge cfs	Hudson River at Hadley cfs	Regulated Hudson River below confluence cfs
1	750.45	750.42	300	621	1390	1200	2590
2	750.48	750.43	300	621	1430	1200	2630
3	750.43	750.39	300	621	1400	1200	2600
4	750.36	750.36	300	621	1260	1200	2460
5	750.31	750.24	300	621	969	1200	2169
6	750.30	750.26	300	621	977	1200	2177
7	750.25	750.25	300	621	984	1200	2184
8	750.22	750.25	300	621	971	1200	2171
9	750.19	750.24	300	621	968	1200	2168
10	750.16	750.17	300	621	967	1200	2167
11	750.12	750.13	300	621	967	1200	2167
12	750.08	750.12	300	621	958	1200	2158
13	750.02	750.01	300	621	947	1200	2147
14	749.99	750.00	300	621	964	1200	2164
15	749.94	749.98	300	621	933	1200	2133
16	749.98	749.92	300	621	978	1200	2178
17	749.95	749.95	300	621	974	1200	2174
18	749.90	749.93	300	621	977	1200	2177
19	749.88	749.85	300	621	830	1200	2030
20	749.87	749.87	300	621	970	1200	2170
21	749.82	749.83	300	621	969	1200	2169
22	749.78	749.77	300	621	968	1200	2168
23	749.78	749.77	300	621	975	1200	2175
24	749.74	749.76	300	621	964	1200	2164
25	749.72	749.75	300	621	963	1200	2163
26	749.65	749.71	300	621	969	1200	2169
27	749.63	749.67	300	621	974	1200	2174
28	749.59	749.70	300	621	991	1200	2191

AVERAGE	300	620	1020	1200	2220
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CHANGE IN STORAGE DURING THE MONTH -0.78 B.C.F.

Hope gauge affected by ice
 Hadley gauge affected by ice

 CHIEF ENGINEER

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

Monthly Report for: February, 2021

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Indian River at Indian Lake cfs	Hudson River at Newcomb cfs	Regulated Hudson River at North Creek cfs
1	1641.10	1641.16	62	303	100	600
2	1641.00	1641.03	191	302	100	600
3	1640.90	1640.97	60	301	100	600
4	1640.78	1640.84	113	298	100	600
5	1640.69	1640.74	164	298	100	600
6	1640.58	1640.67	37	297	100	600
7	1640.47	1640.52	106	297	100	600
8	1640.35	1640.41	69	295	100	600
9	1640.24	1640.28	119	293	100	600
10	1640.12	1640.18	67	293	100	600
11	1640.00	1640.05	85	293	100	600
12	1639.88	1639.93	102	293	100	600
13	1639.76	1639.82	85	293	100	600
14	1639.64	1639.70	50	293	100	600
15	1639.52	1639.56	119	293	100	600
16	1639.47	1639.46	206	293	100	600
17	1639.36	1639.41	119	293	100	600
18	1639.24	1639.31	85	293	100	600
19	1639.13	1639.19	85	293	100	600
20	1639.02	1639.07	85	293	100	600
21	1638.90	1638.95	102	293	100	600
22	1638.80	1638.84	137	293	100	600
23	1638.69	1638.75	50	293	100	600
24	1638.58	1638.62	286	286	100	600
25	1638.51	1638.62	35	278	100	600
26	1638.39	1638.47	70	278	100	600
27	1638.30	1638.36	103	277	100	600
28	1638.19	1638.25	119	275	100	600

AVERAGE 104 292 100 600

CHANGE IN STORAGE DURING THE MONTH -0.455 B.C.F

Newcomb gauge affected by ice
 North Creek gauge affected by ice

 CHIEF ENGINEER

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

Monthly Report for: February 2021

Day	Stillwater Reservoir Elevation Average Daily	Stillwater Reservoir Elevation Midnight	Stillwater Reservoir Net Inflow cfs	Stillwater Reservoir Release cfs	Black River at Boonville cfs	Beaver River at Croghan cfs	Regulated Black River at Watertown cfs
1	1667.39	1667.43	166	300	300	387	2170
2	1667.34	1667.36	204	300	300	413	2250
3	1667.28	1667.31	166	300	300	372	1970
4	1667.20	1667.24	166	300	300	427	1840
5	1667.14	1667.17	166	300	300	490	1880
6	1667.07	1667.10	166	300	300	447	1950
7	1666.99	1667.03	147	300	300	442	2070
8	1666.91	1666.95	147	300	300	399	1920
9	1666.84	1666.87	166	300	300	349	1950
10	1666.75	1666.80	109	300	300	313	1900
11	1666.66	1666.70	147	300	300	427	1840
12	1666.57	1666.62	128	300	300	351	1940
13	1666.48	1666.53	109	300	300	362	1930
14	1666.39	1666.43	128	300	300	430	1980
15	1666.29	1666.34	147	300	300	419	1940
16	1666.25	1666.26	223	300	300	424	1690
17	1666.18	1666.22	147	300	300	398	1750
18	1666.06	1666.14	53	417	300	443	1770
19	1665.84	1665.95	79	500	300	472	1740
20	1665.61	1665.73	22	500	300	568	2000
21	1665.34	1665.48	-17	500	300	654	2030
22	1665.08	1665.21	60	500	300	719	1920
23	1664.86	1664.98	41	500	300	741	1970
24	1664.63	1664.74	41	500	300	759	1970
25	1664.39	1664.50	79	500	300	611	2070
26	1664.16	1664.28	41	500	300	583	2100
27	1663.92	1664.04	60	500	300	616	2170
28	1663.70	1663.81	22	500	300	621	2300

AVERAGE 111 376 300 490 1960

CHANGE IN STORAGE DURING THE MONTH -0.64 B.C.F.

Boonville gauge affected by ice

 CHIEF ENGINEER

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

Monthly Report for: February, 2021

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1780.55	1780.56	12	0.25	0.25	19
2	1780.54	1780.54	22	0.25	0.25	19
3	1780.54	1780.55	12	0.25	0.25	19
4	1780.52	1780.53	12	0.25	0.25	19
5	1780.51	1780.51	22	0.25	0.25	19
6	1780.50	1780.52	9	0.25	0.25	19
7	1780.49	1780.49	16	0.25	0.25	19
8	1780.47	1780.48	12	0.25	0.25	19
9	1780.46	1780.46	16	0.25	0.25	19
10	1780.44	1780.45	12	0.25	0.25	19
11	1780.42	1780.43	9	0.25	0.25	19
12	1780.39	1780.40	12	0.25	0.25	19
13	1780.37	1780.38	11	0.25	0.25	18
14	1780.35	1780.36	11	0.25	0.25	18
15	1780.33	1780.34	11	0.25	0.25	18
16	1780.35	1780.32	28	0.25	0.25	18
17	1780.34	1780.35	8	0.25	0.25	18
18	1780.31	1780.32	11	0.25	0.25	18
19	1780.30	1780.30	15	0.25	0.25	18
20	1780.27	1780.29	8	0.25	0.25	18
21	1780.25	1780.26	11	0.25	0.25	18
22	1780.24	1780.24	18	0.25	0.25	18
23	1780.24	1780.24	18	0.25	0.25	18
24	1780.22	1780.24	11	0.25	0.25	18
25	1780.22	1780.22	15	0.25	0.25	18
26	1780.20	1780.21	11	0.25	0.25	18
27	1780.18	1780.19	18	0.25	0.25	18
28	1780.18	1780.19	8	0.25	0.25	18

AVERAGE 13 18

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: February, 2021

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1703.76	1703.78	36	0.83	0.83	79
2	1703.74	1703.74	65	0.83	0.83	79
3	1703.71	1703.73	36	0.83	0.83	79
4	1703.68	1703.70	36	0.83	0.83	79
5	1703.67	1703.67	49	0.83	0.83	78
6	1703.64	1703.65	49	0.83	0.83	78
7	1703.61	1703.63	6	0.83	0.83	78
8	1703.58	1703.59	49	0.83	0.83	78
9	1703.56	1703.57	48	0.83	0.83	77
10	1703.53	1703.55	34	0.83	0.83	77
11	1703.50	1703.52	34	0.83	0.83	77
12	1703.46	1703.48	19	0.83	0.83	77
13	1703.43	1703.44	33	0.83	0.83	76
14	1703.39	1703.41	33	0.83	0.83	76
15	1703.37	1703.38	33	0.83	0.83	76
16	1703.38	1703.36	90	0.83	0.83	76
17	1703.36	1703.37	47	0.83	0.83	76
18	1703.34	1703.35	32	0.83	0.83	75
19	1703.30	1703.32	32	0.83	0.83	75
20	1703.27	1703.29	28	0.83	0.83	75
21	1703.24	1703.25	44	0.83	0.83	75
22	1703.22	1703.23	27	0.83	0.83	74
23	1703.19	1703.20	44	0.83	0.83	74
24	1703.17	1703.18	-71	0.83	0.83	74
25	1703.13	1703.09	161	0.83	0.83	74
26	1703.13	1703.14	31	0.83	0.83	74
27	1703.09	1703.12	29	0.83	0.83	73
28	1703.09	1703.09	43	0.83	0.83	73

AVERAGE 39 76

CHANGE IN STORAGE DURING THE MONTH -0.090 B.C.F

 CHIEF ENGINEER

STATE OF NEW YORK
 HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
SACANDAGA RESERVOIR OPERATION
 FOR WEEK ENDING: March 6, 2021

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 27	749.67	16.44	12 AM - Mid	974	1,130	2,104
Sunday 28	749.70	16.47	12 AM - Mid	991	1,150	2,141
Monday 1	749.57	16.35	12 AM - Mid	974	1,210	2,184
Tuesday 2	749.67	16.44	12 AM - Mid	967	1,280	2,247
Wednesday 3	749.58	16.36	12 AM - Mid	966	1,150	2,116
Thursday 4	749.57	16.35	12 AM - Mid	966	1,210	2,176
Friday 5	749.57	16.35	12 AM - Mid	970	1,300	2,270
Saturday 6	749.56	16.33	12 AM - Mid	950	1,140	2,090
CHANGE IN STORAGE DURING THE WEEK		-0.11	* SACANDAGA RIVER AT STEWARTS BRIDGE INCLUDES 350 CFS MINIMUM CONTINUOUS RELEASE			

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	758.79	25.27	6	2021	749.56	16.33
2	2017	757.26	23.72	7	2013	748.03	14.97
3	2018	754.75	21.22	8	2015	748.00	14.95
4	2016	754.07	20.57	9	2014	747.92	14.88
5	2020	753.56	20.07	10	2012	747.89	14.85

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: March 13, 2021

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 6	749.56	16.33	12 AM - Mid	950	1,140	2,090
Sunday 7	749.54	16.33	12 AM - Mid	970	1,070	2,040
Monday 8	749.47	16.26	12 AM - Mid	974	1,140	2,114
Tuesday 9	749.44	16.23	12 AM - Mid	953	1,080	2,033
Wednesday 10	749.39	16.19	12 AM - Mid	959	1,150	2,109
Thursday 11	749.37	16.17	12 AM - Mid	968	1,220	2,188
Friday 12	749.40	16.20	12 AM - Mid	972	1,670	2,642
Saturday 13	749.57	16.35	12 AM - Mid	963	2,500	3,463
CHANGE IN STORAGE DURING THE WEEK		0.02	* SACANDAGA RIVER AT STEWARTS BRIDGE INCLUDES 350 CFS MINIMUM CONTINUOUS RELEASE			

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2017	758.21	24.68	6	2012	749.71	16.48
2	2019	756.96	23.41	7	2021	749.57	16.35
3	2016	755.53	21.99	8	2013	748.95	15.79
4	2020	754.75	21.22	9	2014	747.87	14.83
5	2018	753.82	20.33	10	2015	747.44	14.45

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: March 20, 2021

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 13	749.57	16.35	12 AM - Mid	963	2,500	3,463
Sunday 14	749.81	16.56	12 AM - Mid	974	2,590	3,564
Monday 15	749.94	16.69	12 AM - Mid	964	2,320	3,284
Tuesday 16	750.05	16.79	12 AM - Mid	973	2,070	3,043
Wednesday 17	750.11	16.84	12 AM - Mid	961	2,040	3,001
Thursday 18	750.13	16.86	12 AM - Mid	970	2,000	2,970
Friday 19	750.23	16.95	12 AM - Mid	2,220	1,930	4,150
Saturday 20	750.18	16.91	12 AM - Mid	2,220	1,840	4,060
CHANGE IN STORAGE DURING THE WEEK		0.56	* SACANDAGA RIVER AT STEWARTS BRIDGE INCLUDES 350 CFS MINIMUM CONTINUOUS RELEASE			

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2016	758.03	24.49	6	2018	752.32	18.89
2	2020	757.28	23.74	7	2013	750.98	17.64
3	2017	756.85	23.30	8	2021	750.18	16.91
4	2019	755.98	22.44	9	2014	747.64	14.63
5	2012	754.45	20.93	10	2015	747.08	14.14

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: March 27, 2021

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 20	750.18	16.91	12 AM - Mid	2,220	1,840	4,060
Sunday 21	750.09	16.83	12 AM - Mid	2,210	1,910	4,120
Monday 22	750.07	16.81	12 AM - Mid	2,200	2,180	4,380
Tuesday 23	750.09	16.83	12 AM - Mid	2,210	2,660	4,870
Wednesday 24	750.25	16.97	12 AM - Mid	1,920	3,440	5,360
Thursday 25	750.63	17.32	12 AM - Mid	1,100	4,760	5,860
Friday 26	751.39	18.02	12 AM - Mid	421	8,410	8,831
Saturday 27	752.77	19.32	12 AM - Mid	417	1,310	1,727
CHANGE IN STORAGE DURING THE WEEK		2.41	* SACANDAGA RIVER AT STEWARTS BRIDGE INCLUDES 350 CFS MINIMUM CONTINUOUS RELEASE			

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2016	759.17	25.67	6	2021	752.77	19.32
2	2020	759.12	25.61	7	2018	750.42	17.13
3	2012	756.94	23.39	8	2013	749.78	16.54
4	2017	755.24	21.70	9	2014	747.47	14.48
5	2019	755.06	21.53	10	2015	746.81	13.91

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: March 6, 2021

DATE	INDIAN LAKE RESERVOIR			INDIAN RIVER	HUDSON RIVER	
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	NEWCOMB AVG. DAILY C.F.S.	NORTH CREEK AVG. DAILY C.F.S.
Saturday 27	1,638.36	1.56	12 AM - Mid	275	87	675
Sunday 28	1,638.25	1.54	12 AM - Mid	273	88	670
Monday 1	1,638.16	1.53	12 AM - Mid	273	88	665
Tuesday 2	1,638.06	1.51	12 AM - Mid	273	95	660
Wednesday 3	1,637.97	1.50	12 AM - Mid	272	92	655
Thursday 4	1,637.85	1.48	12 AM - Mid	270	90	650
Friday 5	1,637.76	1.47	12 AM - Mid	270	88	645
Saturday 6	1,637.68	1.46	12 AM - Mid	270	86	640
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	2017	1,645.82	2.75	6	2012	1,638.67	1.61
2	2018	1,643.86	2.42	7	2020	1,637.95	1.50
3	2016	1,643.48	2.36	8	2014	1,637.77	1.47
4	2019	1,638.78	1.62	9	2021	1,637.68	1.46
5	2015	1,638.70	1.61	10	2013	1,637.53	1.44

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: March 13, 2021

DATE	INDIAN LAKE RESERVOIR			INDIAN RIVER	HUDSON RIVER	
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	NEWCOMB AVG. DAILY C.F.S.	NORTH CREEK AVG. DAILY C.F.S.
Saturday 6	1,637.68	1.46	12 AM - Mid	270	86	640
Sunday 7	1,637.53	1.44	12 AM - Mid	266	84	630
Monday 8	1,637.41	1.42	12 AM - Mid	266	83	620
Tuesday 9	1,637.33	1.41	12 AM - Mid	264	82	600
Wednesday 10	1,637.19	1.38	12 AM - Mid	263	80	580
Thursday 11	1,637.08	1.37	12 AM - Mid	262	91	606
Friday 12	1,637.10	1.37	12 AM - Mid	264	115	835
Saturday 13	1,636.99	1.35	12 AM - Mid	263	151	1,150

CHANGE IN STORAGE DURING THE WEEK	-0.10	* 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	2016	1,645.62	2.72	6	2015	1,638.60	1.60
2	2017	1,644.90	2.60	7	2013	1,637.78	1.47
3	2018	1,643.24	2.32	8	2019	1,637.64	1.45
4	2012	1,639.41	1.72	9	2014	1,637.63	1.45
5	2020	1,639.10	1.67	10	2021	1,636.99	1.35

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: March 20, 2021

DATE	INDIAN LAKE RESERVOIR			INDIAN RIVER	HUDSON RIVER	
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	NEWCOMB AVG. DAILY C.F.S.	NORTH CREEK AVG. DAILY C.F.S.
Saturday 13	1,636.99	1.35	12 AM - Mid	263	151	1,150
Sunday 14	1,637.03	1.36	12 AM - Mid	262	199	1,220
Monday 15	1,637.08	1.37	12 AM - Mid	162	209	1,120
Tuesday 16	1,637.09	1.37	12 AM - Mid	120	202	1,060
Wednesday 17	1,637.10	1.37	12 AM - Mid	120	192	950
Thursday 18	1,637.13	1.38	12 AM - Mid	120	184	837
Friday 19	1,637.09	1.37	12 AM - Mid	120	175	824
Saturday 20	1,637.13	1.38	12 AM - Mid	120	171	767

CHANGE IN STORAGE DURING THE WEEK	0.02	* 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	2016	1,647.79	3.10	6	2013	1,638.70	1.61
2	2017	1,643.48	2.36	7	2015	1,638.51	1.58
3	2012	1,643.38	2.34	8	2014	1,637.55	1.44
4	2018	1,642.39	2.18	9	2019	1,637.21	1.39
5	2020	1,641.03	1.96	10	2021	1,637.13	1.38

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: March 27, 2021

DATE	INDIAN LAKE RESERVOIR			INDIAN RIVER	HUDSON RIVER	
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	NEWCOMB AVG. DAILY C.F.S.	NORTH CREEK AVG. DAILY C.F.S.
Saturday 20	1,637.13	1.38	12 AM - Mid	120	171	767
Sunday 21	1,637.11	1.37	12 AM - Mid	120	173	816
Monday 22	1,637.16	1.38	12 AM - Mid	120	190	930
Tuesday 23	1,637.23	1.39	12 AM - Mid	122	238	1,230
Wednesday 24	1,637.41	1.42	12 AM - Mid	122	347	1,780
Thursday 25	1,637.70	1.46	12 AM - Mid	124	609	3,200
Friday 26	1,637.38	1.41	12 AM - Mid	128	1,550	7,360
Saturday 27	1,639.82	1.78	12 AM - Mid	128	3,000	10,900

CHANGE IN STORAGE DURING THE WEEK	0.40	* 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	2016	1,648.40	3.21	6	2021	1,639.82	1.78
2	2012	1,646.04	2.79	7	2015	1,638.44	1.57
3	2020	1,642.57	2.21	8	2013	1,637.82	1.48
4	2017	1,641.99	2.12	9	2014	1,637.35	1.41
5	2018	1,641.45	2.03	10	2019	1,636.51	1.28

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

Datum: NAVD 88

 CHIEF ENGINEER

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

FOR WEEK ENDING: **March 6, 2021**

DATE	STILLWATER RESERVOIR			BEAVER RIVER		BLACK RIVER
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	STILLWATER RELEASE AVG. DAILY C.F.S.	CROGHAN AVG. DAILY FLOW C.F.S.	WATERTOWN AVG. DAILY FLOW C.F.S.
Saturday 27	1,664.04	1.56	12 AM -Mid	500	616	2,170
Sunday 28	1,663.81	1.53	12 AM -Mid	500	621	2,300
Monday 1	1,663.56	1.48	12 AM -Mid	500	636	2,690
Tuesday 2	1,663.37	1.45	12 AM -Mid	500	745	3,020
Wednesday 3	1,663.21	1.43	12 AM -Mid	500	668	3,290
Thursday 4	1,662.99	1.39	12 AM -Mid	500	658	3,100
Friday 5	1,662.76	1.35	12 AM -Mid	500	651	2,990
Saturday 6	1,662.52	1.31	12 AM -Mid	500	649	2,840
CHANGE IN STORAGE DURING THE WEEK		-0.25				

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2018	1,674.95	3.65	6	2013	1,667.24	2.09
2	2017	1,673.85	3.38	7	2012	1,666.08	1.90
3	2016	1,671.07	2.77	8	2020	1,663.33	1.45
4	2014	1,669.35	2.44	9	2021	1,662.52	1.31
5	2019	1,668.04	2.22	10	2015	1,660.61	1.00

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: March 13, 2021

DATE	STILLWATER RESERVOIR			BEAVER RIVER		BLACK RIVER
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	STILLWATER RELEASE AVG. DAILY C.F.S.	CROGHAN AVG. DAILY FLOW C.F.S.	WATERTOWN AVG. DAILY FLOW C.F.S.
Saturday 6	1,662.52	1.31	12 AM -Mid	500	649	2,840
Sunday 7	1,662.26	1.27	12 AM -Mid	500	647	2,640
Monday 8	1,662.00	1.23	12 AM -Mid	500	603	2,530
Tuesday 9	1,661.79	1.19	12 AM -Mid	500	468	1,930
Wednesday 10	1,661.64	1.17	12 AM -Mid	500	498	2,000
Thursday 11	1,661.51	1.15	12 AM -Mid	500	503	2,500
Friday 12	1,661.51	1.15	12 AM -Mid	500	820	5,360
Saturday 13	1,661.67	1.17	12 AM -Mid	500	814	7,380

CHANGE IN STORAGE DURING THE WEEK	-0.14
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2018	1,674.33	3.50	6	2019	1,666.60	1.99
2	2017	1,674.26	3.48	7	2013	1,666.09	1.90
3	2016	1,673.10	3.21	8	2020	1,663.81	1.53
4	2014	1,667.96	2.21	9	2021	1,661.67	1.17
5	2012	1,667.01	2.06	10	2015	1,659.64	0.86

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: **March 20, 2021**

DATE	STILLWATER RESERVOIR			BEAVER RIVER		BLACK RIVER
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	STILLWATER RELEASE AVG. DAILY C.F.S.	CROGHAN AVG. DAILY FLOW C.F.S.	WATERTOWN AVG. DAILY FLOW C.F.S.
Saturday 13	1,661.67	1.17	12 AM -Mid	500	814	7,380
Sunday 14	1,661.80	1.19	12 AM -Mid	300	875	7,600
Monday 15	1,661.86	1.20	12 AM -Mid	213	595	6,880
Tuesday 16	1,661.94	1.22	12 AM -Mid	150	429	5,600
Wednesday 17	1,662.05	1.23	12 AM -Mid	150	306	4,450
Thursday 18	1,662.15	1.25	12 AM -Mid	150	303	3,790
Friday 19	1,662.23	1.27	12 AM -Mid	150	311	3,270
Saturday 20	1,662.30	1.28	12 AM -Mid	150	364	3,070

CHANGE IN STORAGE DURING THE WEEK	0.10	
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2016	1,674.61	3.56	6	2014	1,666.39	1.95
2	2017	1,673.92	3.40	7	2019	1,665.96	1.88
3	2018	1,673.40	3.28	8	2020	1,665.61	1.82
4	2012	1,671.17	2.79	9	2021	1,662.30	1.28
5	2013	1,667.33	2.11	10	2015	1,658.73	0.78

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

Datum: NAVD 88

 CHIEF ENGINEER

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

FOR WEEK ENDING: **March 27, 2021**

DATE	STILLWATER RESERVOIR			BEAVER RIVER		BLACK RIVER
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	STILLWATER RELEASE AVG. DAILY C.F.S.	CROGHAN AVG. DAILY FLOW C.F.S.	WATERTOWN AVG. DAILY FLOW C.F.S.
Saturday 20	1,662.30	1.28	12 AM -Mid	150	364	3,070
Sunday 21	1,662.37	1.29	12 AM -Mid	150	334	3,150
Monday 22	1,662.45	1.30	12 AM -Mid	150	329	3,710
Tuesday 23	1,662.58	1.32	12 AM -Mid	150	418	4,660
Wednesday 24	1,662.81	1.36	12 AM -Mid	92	475	5,920
Thursday 25	1,663.25	1.43	12 AM -Mid	50	928	8,440
Friday 26	1,664.19	1.59	12 AM -Mid	50	1,620	11,000
Saturday 27	1,665.83	1.86	12 AM -Mid	50	2,210	15,800

CHANGE IN STORAGE DURING THE WEEK	0.58
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2016	1,675.12	3.69	6	2013	1,666.95	2.05
2	2012	1,673.37	3.28	7	2021	1,665.83	1.86
3	2017	1,673.16	3.23	8	2019	1,664.89	1.71
4	2018	1,672.13	3.00	9	2014	1,664.63	1.66
5	2020	1,667.32	2.11	10	2015	1,658.30	0.74

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: **March 6, 2021**

DATE	OLD FORGE RESERVOIR			SIXTH LAKE RESERVOIR		
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.
Saturday 27	1,703.12	0.419	73	1,780.19	0.122	18
Sunday 28	1,703.09	0.415	73	1,780.19	0.122	18
Monday 1	1,703.07	0.412	46	1,780.16	0.121	18
Tuesday 2	1,703.09	0.415	29	1,780.21	0.123	18
Wednesday 3	1,703.10	0.416	29	1,780.20	0.122	18
Thursday 4	1,703.11	0.417	29	1,780.20	0.122	18
Friday 5	1,703.11	0.417	29	1,780.19	0.122	18
Saturday 6	1,703.11	0.417	29	1,780.17	0.121	18
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	2017	1,704.27	0.564	1	2017	1,783.06	0.209
2	2018	1,703.99	0.529	2	2018	1,781.56	0.163
3	2019	1,703.13	0.420	3	2021	1,780.17	0.121
4	2021	1,703.11	0.417	4	2020	1,779.38	0.098
5	2020	1,702.96	0.399	5	2019	1,779.18	0.092

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: **March 13, 2021**

DATE	OLD FORGE RESERVOIR			SIXTH LAKE RESERVOIR		
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.
Saturday 6	1,703.11	0.417	29	1,780.17	0.121	18
Sunday 7	1,703.11	0.417	29	1,780.16	0.121	18
Monday 8	1,703.10	0.416	29	1,780.14	0.120	18
Tuesday 9	1,703.10	0.416	29	1,780.12	0.120	18
Wednesday 10	1,703.11	0.417	29	1,780.09	0.119	18
Thursday 11	1,703.10	0.416	29	1,780.08	0.119	18
Friday 12	1,703.13	0.421	29	1,780.13	0.120	18
Saturday 13	1,703.18	0.427	30	1,780.30	0.125	18
CHANGE IN STORAGE		0.010			0.004	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2017	1,704.82	0.636	1	2017	1,782.45	0.190
2	2018	1,703.87	0.513	2	2018	1,780.76	0.139
3	2021	1,703.18	0.427	3	2021	1,780.30	0.125
4	2019	1,703.16	0.424	4	2020	1,779.94	0.115
5	2020	1,703.14	0.422	5	2019	1,779.19	0.092

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: **March 20, 2021**

DATE	OLD FORGE RESERVOIR			SIXTH LAKE RESERVOIR		
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.
Saturday 13	1,703.18	0.427	30	1,780.30	0.125	18
Sunday 14	1,703.24	0.435	30	1,780.39	0.128	18
Monday 15	1,703.28	0.439	30	1,780.44	0.129	19
Tuesday 16	1,703.30	0.442	30	1,780.46	0.130	19
Wednesday 17	1,703.32	0.444	30	1,780.47	0.130	19
Thursday 18	1,703.33	0.446	30	1,780.48	0.131	19
Friday 19	1,703.34	0.447	30	1,780.49	0.131	19
Saturday 20	1,703.34	0.447	30	1,780.49	0.131	19
CHANGE IN STORAGE		0.020			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	2017	1,704.90	0.646	1	2017	1,782.05	0.178
2	2018	1,703.69	0.491	2	2021	1,780.49	0.131
3	2019	1,703.44	0.459	3	2020	1,780.33	0.126
4	2021	1,703.34	0.447	4	2018	1,780.17	0.121
5	2020	1,703.33	0.447	5	2019	1,779.75	0.109

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: **March 27, 2021**

DATE	OLD FORGE RESERVOIR			SIXTH LAKE RESERVOIR		
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.
Saturday 20	1,703.34	0.447	30	1,780.49	0.131	19
Sunday 21	1,703.35	0.448	30	1,780.49	0.131	19
Monday 22	1,703.37	0.451	31	1,780.50	0.131	19
Tuesday 23	1,703.39	0.454	31	1,780.54	0.132	19
Wednesday 24	1,703.46	0.463	31	1,780.63	0.135	19
Thursday 25	1,703.54	0.472	32	1,780.84	0.141	20
Friday 26	1,703.73	0.497	155	1,781.35	0.157	107
Saturday 27	1,704.05	0.536	239	1,782.00	0.177	179
CHANGE IN STORAGE		0.089			0.046	

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	1,704.80	0.633	1	2021	1,782.00	0.177
2	2021	1,704.05	0.536	2	2017	1,781.45	0.160
3	2020	1,703.67	0.489	3	2020	1,780.85	0.142
4	2019	1,703.62	0.482	4	2019	1,779.97	0.115
5	2018	1,703.51	0.469	5	2018	1,779.87	0.112

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