

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

HUDSON RIVER AREA - AUGUST SUMMARY

Reservoir Operation

Great Sacandaga Lake

The August average daily release from the Sacandaga Reservoir (Great Sacandaga Lake) was approximately 1,570 cubic feet per second (cfs). The Upper Hudson / Sacandaga River Offer of Settlement target elevation for August 31 is 762.50 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
July 31	762.00	-0.42	-2.89	0	1,640
Aug. 31	759.2 (e)	+0.1 (e)	-3.4 (e)	0	1,415 (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 August average daily release from Indian Lake was approximately 150 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	
July 31	1,647.63	-0.27	-0.43	146
Aug. 31	1,646.2 (e)	+0.2 (e)	-0.5 (e)	146 (e)

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

HUDSON RIVER AREA - AUGUST SUMMARY- continued

River Flow

Hudson River flow, downstream of the confluence with the Sacandaga River, was approximately 2,005 cfs on August 24 and approximately 1,155 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	169 (e)	299
Sacandaga at Stewarts Bridge	1,570 (e)	1,910
Indian at Indian Lake Dam	146 (e)	338
Hudson at Hadley (1)	770 (e)	1,260

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

Precipitation

Monthly total precipitation measured 84%, 92%, and 120% historic average at Indian Lake, Mayfield, and Conklingville, respectively, as of August 20

Table 4.0 - *Hudson River Basin Precipitation - as of August 20*

Station	Monthly Total (inch)	Historic Average (inch)
Indian Lake	3.23	3.83
Mayfield	3.67	4.01
Conklingville	4.56	3.80

HUDSON RIVER AREA - AUGUST SUMMARY- continued

Operation Overview

Precipitation during the month of August was above average across the Great Sacandaga Lake watershed and below average in the Indian Lake watershed. The monthly inflow to Great Sacandaga Lake and Indian Lake reservoir was approximately 82% and 44% of historic average, respectively. Monthly release of water from Great Sacandaga Lake and Indian Lake measured 83% and 60% of historic average, respectively.

Great Sacandaga Lake Operation

Great Sacandaga Lake operation summary report for the period August 1, 2020 through August 24, 2020 is attached. This report includes projected and forecast values for dates after August 24, 2020.

Hudson River Area Staff Activities

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

BLACK RIVER AREA – AUGUST SUMMARY

Reservoir Operations

Stillwater Reservoir

The August average daily release from Stillwater Reservoir was approximately 370 cfs. The maximum discharge for the month was 400 cfs.

Table 1.0 - *Stillwater Reservoir Elevation and Release*

Date	Daily Average Elevation (ft, NAVD)	Deviation from Average Elevation (ft) (1)	Release (cfs)
July 31	1,673.85	-1.61	400
Aug. 31	1,669.8 (e)	-2.7 (e)	400 (e)

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

Sixth Lake Reservoir

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

Table 2.0 - *Sixth Lake Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
July 31	1,785.91	+0.15	2
Aug. 31	1,785.8 (e)	+0.0 (e)	3 (e)

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

Old Forge Reservoir

The August average daily release from Old Forge Reservoir was approximately 20 cfs.

Table 3.0 - *Old Forge Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
July 31	1,706.72	-0.22	4
Aug. 31	1,706.9 (e)	-0.1 (e)	2 (e)

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

BLACK RIVER AREA - AUGUST SUMMARY - continued

River Flow

The average daily Black River flow, as measured at the Watertown gauge, was approximately 990 cfs on August 24.

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

River	Monthly Average Flow (cfs)	Historic Average Flow (1) (cfs)
Moose at McKeever	173 (e)	328
Beaver at Croghan	390 (e)	523
Black at Watertown	1,050 (e)	1,860

Notes: ⁽¹⁾ Based on USGS records
⁽²⁾ "(e)" represents estimated value

Precipitation

Monthly total precipitation measured 52%, 69%, 85% of historic average at Stillwater, Old Forge, and Sixth Lake, respectively, as of August 20.

Table 5.0 - *Black River Basin Precipitation - as of August 20*

Station	Monthly Total (inch)	Historic Average (inch)
Stillwater	2.31	4.44
Old Forge	3.05	4.40
Sixth Lake	3.49	4.12

BLACK RIVER AREA - AUGUST SUMMARY - continued

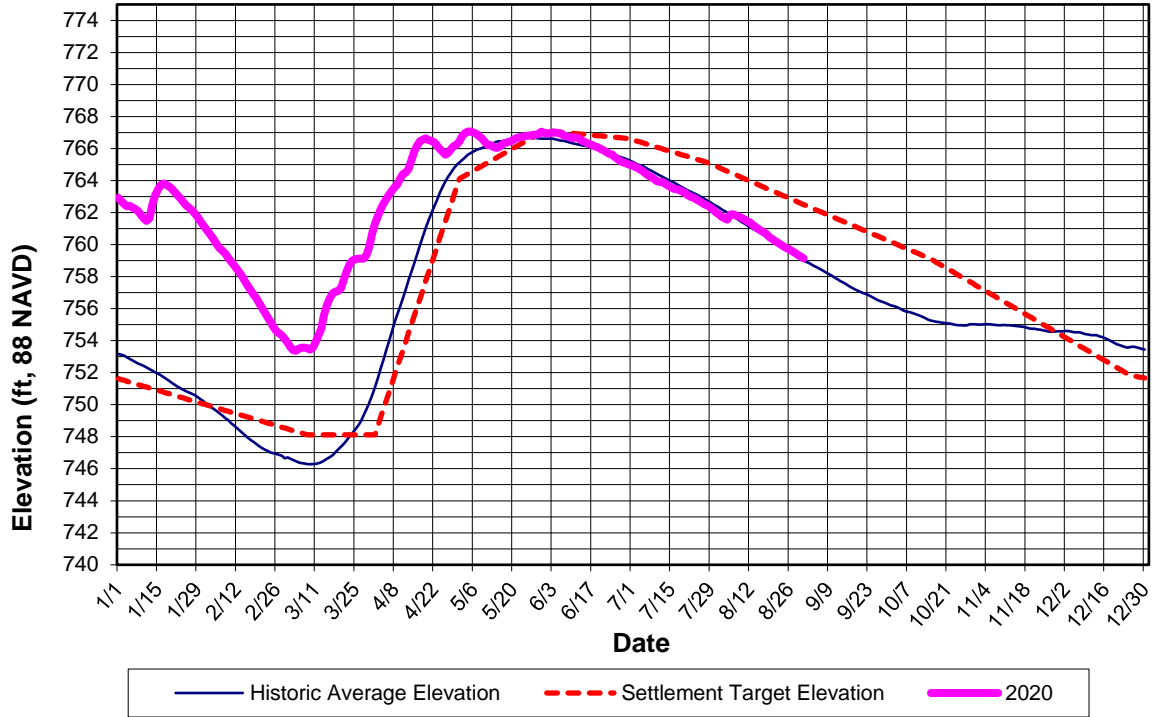
Operation Overview

Precipitation in the month of August was below average at Stillwater, and below average at Old Forge and at Sixth Lake. The monthly inflow to Stillwater Reservoir was approximately 20% of historic average. The inflow to Sixth Lake and Old Forge Reservoir totaled 0.01 and 0.07 billion cubic feet, respectively, in August. Release of water from Stillwater Reservoir averaged 85% of historic discharge.

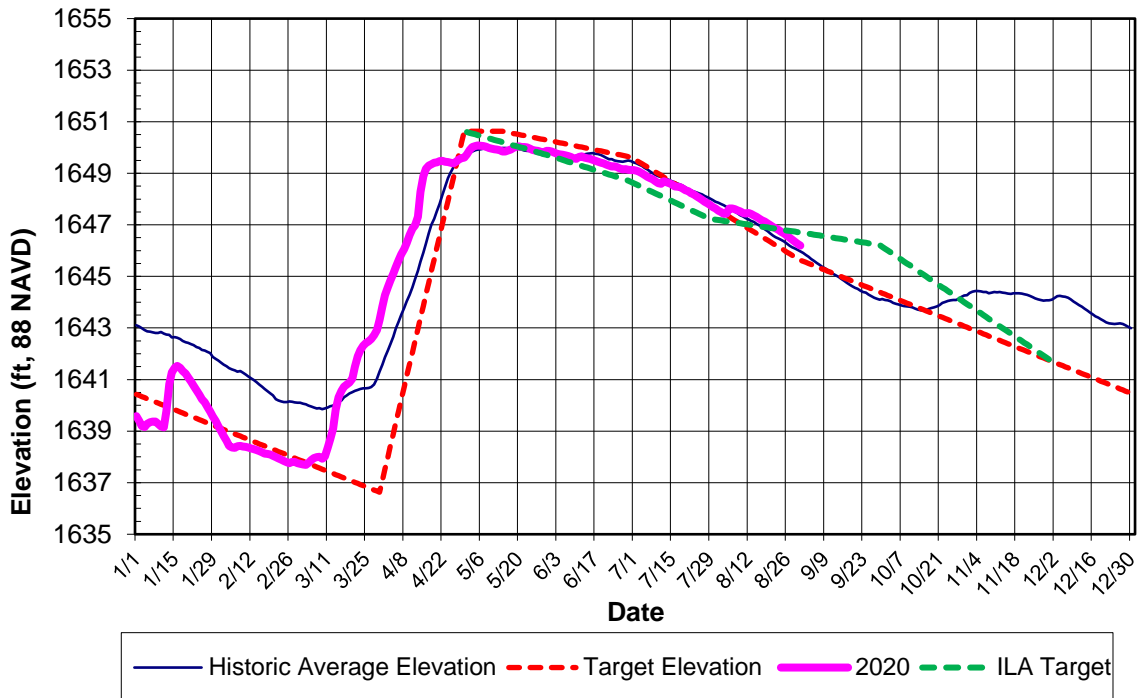
Black River Area Staff Activities

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

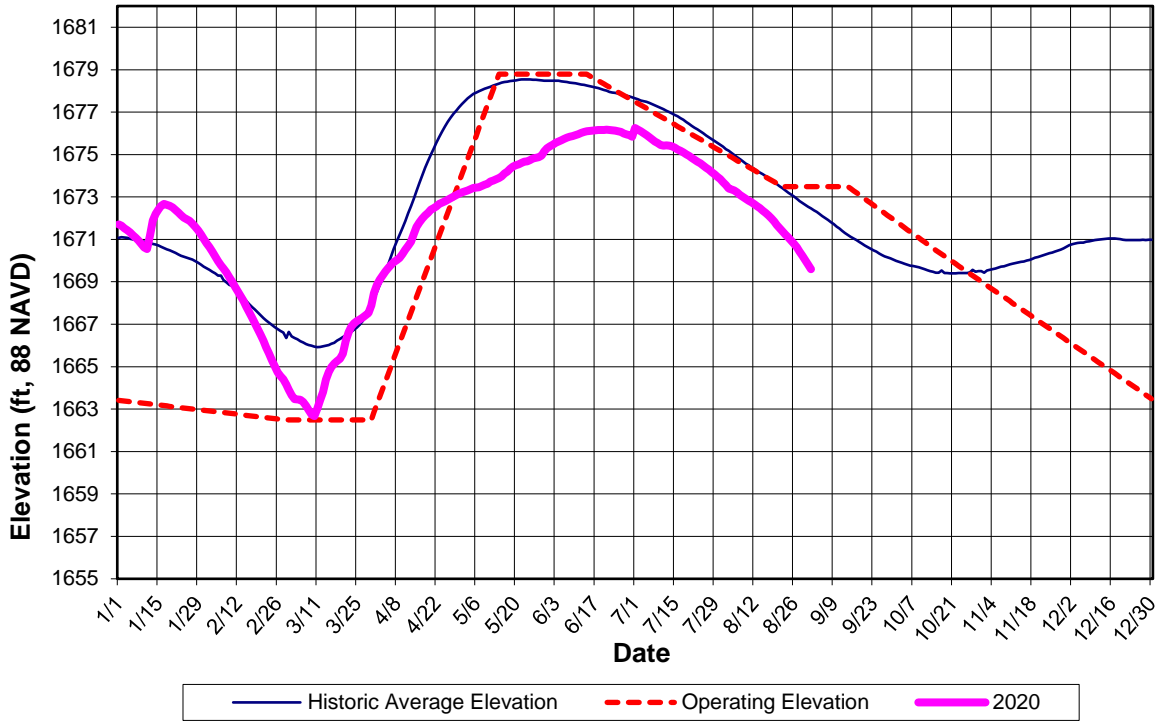
Great Sacandaga Lake 2020 Reservoir Elevation



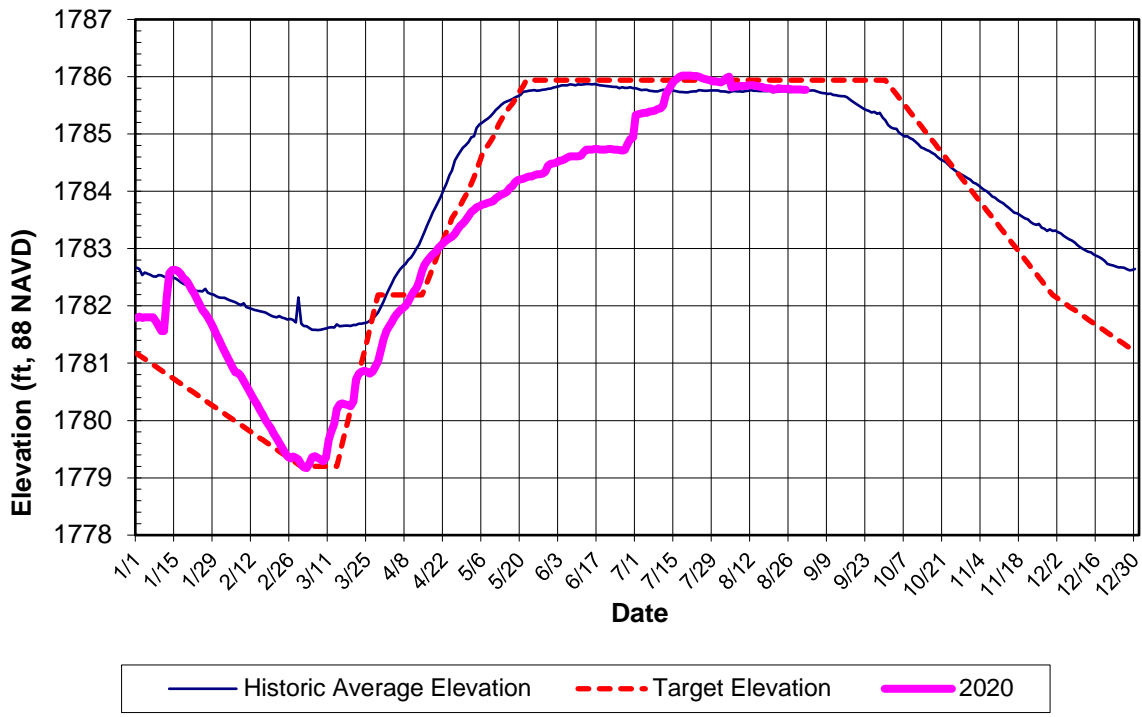
Indian Lake 2020 Reservoir Elevation



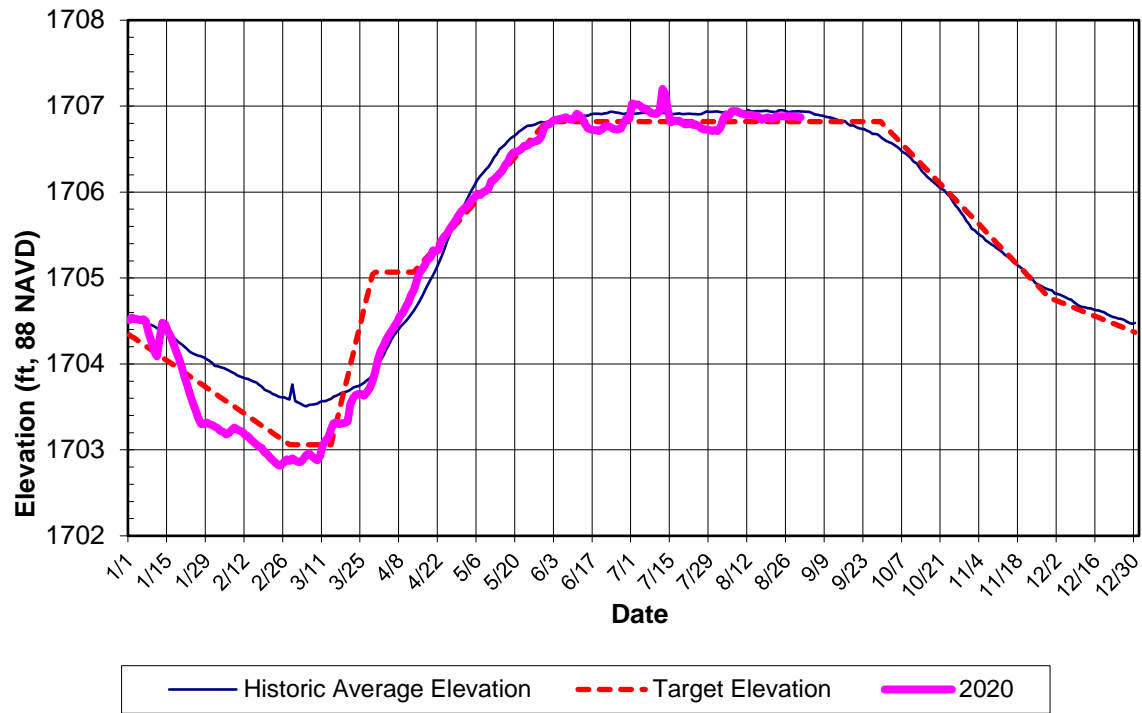
Stillwater Reservoir 2020 Reservoir Elevation



Sixth Lake 2020 Reservoir Elevation



Old Forge 2020 Reservoir Elevation



SACANDAGA RESERVOIR ELEVATION CALCULATOR

Datum:

1988 NAVD

Settlement Parameters		
Date	8/25/2020	
Target Elevation	762.97	
Actual "Level"	2.39	
"Level 2.5 threshold"	759.67	
"Level 1.2 threshold"	755.83	
Hudson River Target	Elevation	Level
Maximum Flow (cfs)	8000	7390
Minimum Flow (cfs)	n/a	1760
Min. Rec/Rafting Hours (hrs)	7	

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	8/25/2020
Day of Year	4986
Starting Elevation (ft)	759.83
Average Elevation	759.79
Flow Below Hadley (cfs)	1915
Todays Release	1415
Tomorrows Release	1415

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

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

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

Starting Date 12:00 AM	Starting Elevation	Net Average Inflow	E.J. West	Sacandaga River Flow			Settlement Level	Hudson at Hadley	Hudson River Below Confluence	Hudson River Target Flow			Ending Elevation	Ending Date 12:00 AM	Daily Average Elevation	Settlement Target Elevation	Historic Daily Average Elev.	
				Valves	Spillway	Average Release				Minimum (Table C - Level)	Maximum (Table D - Elev.)	Maximum (Table E - Level)						
8/1/2020	761.92	-100	1640	0	0	1640	4000	2.43	380	2020	1760	8000	7430	761.77	8/2/2020	761.85	764.81	762.19
8/2/2020	761.77	500	1830	0	0	1830	4000	2.42	436	2266	1760	8000	7410	761.66	8/3/2020	761.72	764.74	762.09
8/3/2020	761.66	-100	1790	0	0	1790	4000	2.37	403	2193	1760	8000	7370	761.50	8/4/2020	761.58	764.66	761.98
8/4/2020	761.50	5400	1630	0	0	1630	4000	2.39	535	2165	1760	8000	7390	761.80	8/5/2020	761.65	764.58	761.87
8/5/2020	761.80	2700	1630	0	0	1630	4000	2.44	2270	3900	1760	8000	7440	761.88	8/6/2020	761.84	764.50	761.76
8/6/2020	761.88	1200	1610	0	0	1610	4000	2.44	2290	3900	1760	8000	7440	761.84	8/7/2020	761.86	764.43	761.64
8/7/2020	761.84	900	1670	0	0	1670	4000	2.45	1910	3580	1760	8000	7440	761.77	8/8/2020	761.81	764.35	761.53
8/8/2020	761.77	700	1650	0	0	1650	4000	2.45	1320	2970	1760	8000	7450	761.69	8/9/2020	761.73	764.27	761.41
8/9/2020	761.69	200	1650	0	0	1650	4000	2.46	1190	2840	1760	8000	7450	761.57	8/10/2020	761.63	764.20	761.30
8/10/2020	761.57	900	1620	0	0	1620	4000	2.46	990	2610	1760	8000	7460	761.51	8/11/2020	761.54	764.12	761.19
8/11/2020	761.51	800	1600	0	0	1600	4000	2.45	792	2392	1760	8000	7450	761.44	8/12/2020	761.48	764.04	761.08
8/12/2020	761.44	0	1640	0	0	1640	4000	2.44	878	2518	1760	8000	7430	761.30	8/13/2020	761.37	763.97	760.99
8/13/2020	761.30	100	1640	0	0	1640	4000	2.42	702	2342	1760	8000	7420	761.17	8/14/2020	761.24	763.89	760.89
8/14/2020	761.17	0	1640	0	0	1640	4000	2.41	785	2425	1760	8000	7400	761.03	8/15/2020	761.10	763.81	760.77
8/15/2020	761.03	200	1630	0	0	1630	4000	2.39	597	2227	1760	8000	7390	760.91	8/16/2020	760.97	763.74	760.67
8/16/2020	760.91	0	1620	0	0	1620	4000	2.38	678	2298	1760	8000	7370	760.77	8/17/2020	760.84	763.66	760.55
8/17/2020	760.77	100	1630	0	0	1630	4000	2.36	601	2231	1760	8000	7360	760.64	8/18/2020	760.71	763.58	760.44
8/18/2020	760.64	-100	1660	0	0	1660	4000	2.35	484	2144	1760	8000	7340	760.49	8/19/2020	760.57	763.50	760.32
8/19/2020	760.49	600	1650	0	0	1650	4000	2.33	601	2251	1760	8000	7330	760.40	8/20/2020	760.45	763.43	760.21
8/20/2020	760.40	-400	1510	0	0	1510	4000	2.32	473	1983	1760	8000	7320	760.24	8/21/2020	760.32	763.35	760.08
8/21/2020	760.24	0	1480	0	0	1480	4000	2.30	539	2019	1760	8000	7300	760.11	8/22/2020	760.18	763.27	759.97
8/22/2020	760.11	600	1490	0	0	1490	4000	2.29	459	1949	1760	8000	7290	760.03	8/23/2020	760.07	763.20	759.86
8/23/2020	760.03	200	1480	0	0	1480	4000	2.28	536	2016	1760	8000	7270	759.92	8/24/2020	759.98	763.12	759.75
8/24/2020	759.92	500	1480	0	0	1480	4000	2.27	525	2005	1760	8000	7260	759.83	8/25/2020	759.88	763.04	759.64
8/25/2020	759.83	500	1415	0	0	1415	4000	2.25	500	1915	1760	8000	7250	759.75	8/26/2020	759.79	762.97	759.52
8/26/2020	759.75	200	1415	0	0	1415	4000	2.24	500	1915	1760	8000	7240	759.64	8/27/2020	759.70	762.89	759.38
8/27/2020	759.64	100	1415	0	0	1415	4000	2.23	500	1915	1760	8000	7230	759.53	8/28/2020	759.59	762.81	759.26
8/28/2020	759.53	100	1415	0	0	1415	4000	2.22	500	1915	1760	8000	7220	759.42	8/29/2020	759.48	762.74	759.17
8/29/2020	759.42	100	1415	0	0	1415	4000	2.21	500	1915	1760	8000	7210	759.31	8/30/2020	759.37	762.66	759.08
8/30/2020	759.31	100	1415	0	0	1415	4000	2.20	500	1915	1760	8000	7200	759.20	8/31/2020	759.26	762.58	758.98
8/31/2020	759.20	100	1415	0	0	1415	4000	2.20	500	1915	1760	8000	7200	759.09	9/1/2020	759.15	762.50	758.89
9/1/2020	759.09	100	1415	0	0	1415	4000	2.20	500	1915	1760	8000	7200	758.97	9/2/2020		762.35	758.80
6/6/2020	767.29	500	2000	0	0	2000	5487	3.00	500	2500	2000	8000	7500	777.12	3/15/2019	#N/A	#N/A	

500

Signature: _____

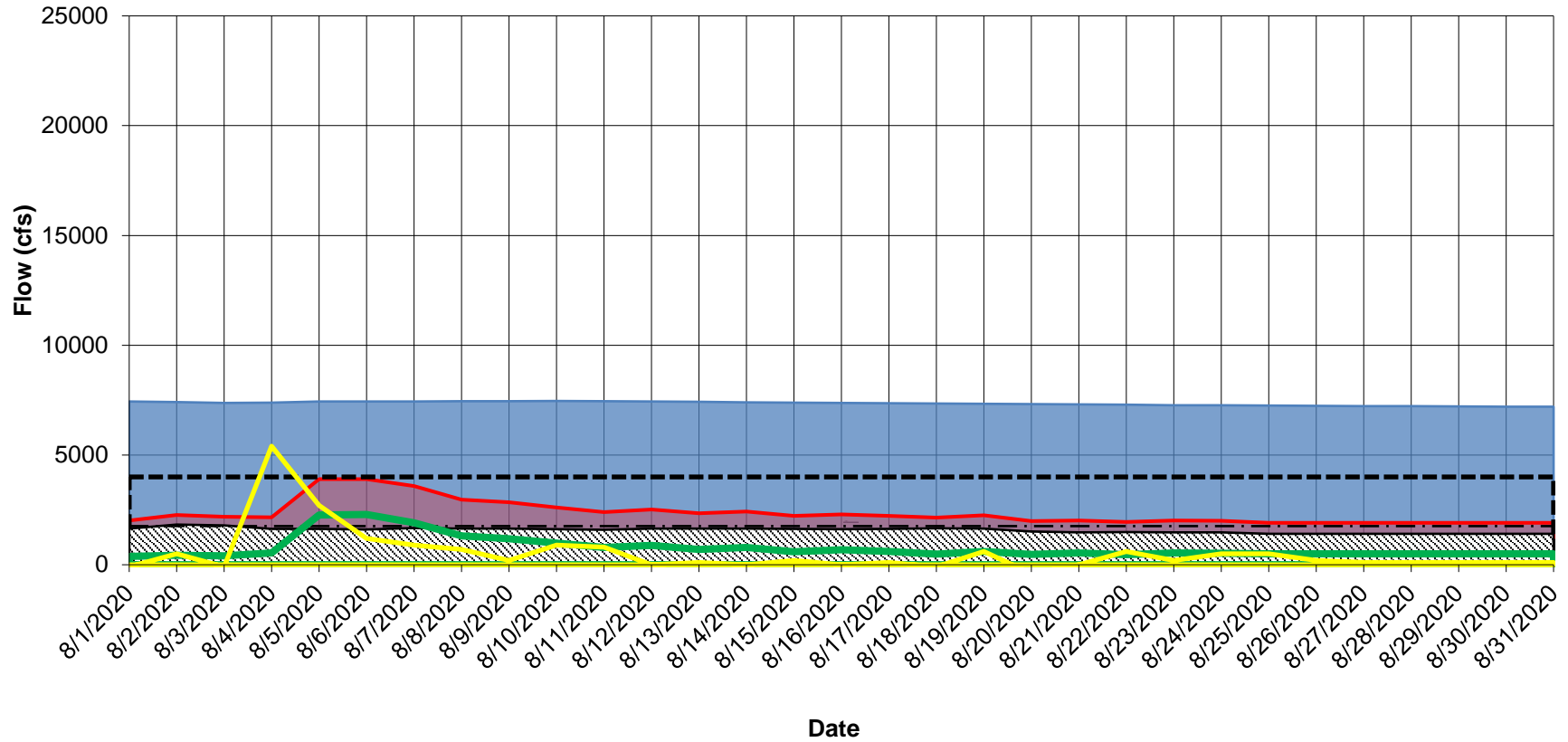
Date: _____

**GREAT SACANDAGA LAKE
RESERVOIR OPERATION SUMMARY**

Print Date: 8/25/2020
 Period of Record: 8/1/2020 to 8/29/2020

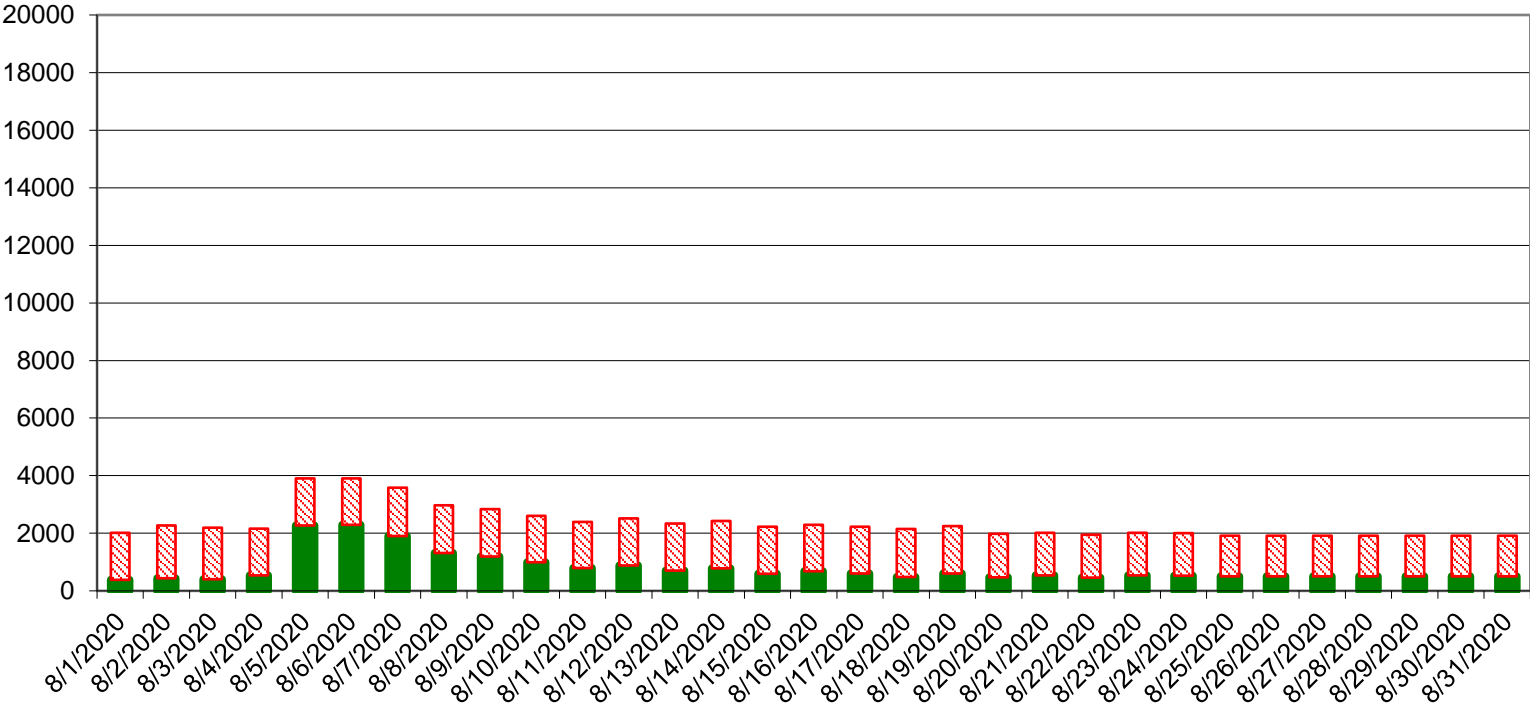
Starting Date 12:00 AM	Daily Avg. Elevation	Net Average Inflow	Sacandaga River Flow Average Release (Table F - Elev.)		Settlement Level	Hudson at Hadley	Hudson River Below Confluence	Hudson River Target Flow Minimum (Table B - Level) Maximum (Table D & E)		Maximum Allowable Sacandaga
8/1/2020	761.85	-100	1640	4000	2.43	380	2020	1760	7430	4000
8/2/2020	761.72	500	1830	4000	2.42	436	2266	1760	7410	4000
8/3/2020	761.58	-100	1790	4000	2.37	403	2193	1760	7370	4000
8/4/2020	761.65	5400	1630	4000	2.39	535	2165	1760	7390	4000
8/5/2020	761.84	2700	1630	4000	2.44	2270	3900	1760	7440	4000
8/6/2020	761.86	1200	1610	4000	2.44	2290	3900	1760	7440	4000
8/7/2020	761.81	900	1670	4000	2.45	1910	3580	1760	7440	4000
8/8/2020	761.73	700	1650	4000	2.45	1320	2970	1760	7450	4000
8/9/2020	761.63	200	1650	4000	2.46	1190	2840	1760	7450	4000
8/10/2020	761.54	900	1620	4000	2.46	990	2610	1760	7460	4000
8/11/2020	761.48	800	1600	4000	2.45	792	2392	1760	7450	4000
8/12/2020	761.37	0	1640	4000	2.44	878	2518	1760	7430	4000
8/13/2020	761.24	100	1640	4000	2.42	702	2342	1760	7420	4000
8/14/2020	761.10	0	1640	4000	2.41	785	2425	1760	7400	4000
8/15/2020	760.97	200	1630	4000	2.39	597	2227	1760	7390	4000
8/16/2020	760.84	0	1620	4000	2.38	678	2298	1760	7370	4000
8/17/2020	760.71	100	1630	4000	2.36	601	2231	1760	7360	4000
8/18/2020	760.57	-100	1660	4000	2.35	484	2144	1760	7340	4000
8/19/2020	760.45	600	1650	4000	2.33	601	2251	1760	7330	4000
8/20/2020	760.32	-400	1510	4000	2.32	473	1983	1760	7320	4000
8/21/2020	760.18	0	1480	4000	2.30	539	2019	1760	7300	4000
8/22/2020	760.07	600	1490	4000	2.29	459	1949	1760	7290	4000
8/23/2020	759.98	200	1480	4000	2.28	536	2016	1760	7270	4000
8/24/2020	759.88	500	1480	4000	2.27	525	2005	1760	7260	4000
8/25/2020	759.79	500	1415	4000	2.25	500	1915	1760	7250	4000
8/26/2020	759.70	200	1415	4000	2.24	500	1915	1760	7240	4000
8/27/2020	759.59	100	1415	4000	2.23	500	1915	1760	7230	4000
8/28/2020	759.48	100	1415	4000	2.22	500	1915	1760	7220	4000
8/29/2020	759.37	100	1415	4000	2.21	500	1915	1760	7210	4000
8/30/2020	759.26	100	1415	4000	2.20	500	1915	1760	7200	4000
8/31/2020	759.15	100	1415	4000	2.20	500	1915	1760	7200	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 OPERATION
 FOR WEEK ENDING: July 4, 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 27	765.26	32.20	12 AM - Mid	1,680	550	2,230
Sunday 28	765.16	32.09	12 AM - Mid	1,700	694	2,394
Monday 29	765.04	31.96	12 AM - Mid	1,580	823	2,403
Tuesday 30	765.06	31.97	12 AM - Mid	1,670	793	2,463
Wednesday 1	764.98	31.89	12 AM - Mid	1,660	994	2,654
Thursday 2	764.90	31.80	12 AM - Mid	1,670	1,160	2,830
Friday 3	764.78	31.67	12 AM - Mid	1,690	1,170	2,860
Saturday 4	764.76	31.65	12 AM - Mid	1,690	953	2,643
CHANGE IN STORAGE DURING THE WEEK		-0.55	* 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	2013	769.63	37.16	6	2014	767.27	34.45
2	2017	768.41	35.75	7	2012	765.53	32.50
3	2015	768.38	35.71	8	2018	764.95	31.86
4	2011	767.59	34.81	9	2020	764.76	31.65
5	2019	767.55	34.77	10	2016	764.59	31.46

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: July 11, 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 4	764.76	31.65	12 AM - Mid	1,690	953	2,643
Sunday 5	764.63	31.51	12 AM - Mid	1,710	948	2,658
Monday 6	764.51	31.37	12 AM - Mid	1,690	814	2,504
Tuesday 7	764.40	31.25	12 AM - Mid	1,650	616	2,266
Wednesday 8	764.26	31.10	12 AM - Mid	1,620	728	2,348
Thursday 9	764.12	30.94	12 AM - Mid	1,680	583	2,263
Friday 10	764.01	30.82	12 AM - Mid	1,670	667	2,337
Saturday 11	763.86	30.66	12 AM - Mid	1,650	547	2,197

CHANGE IN STORAGE DURING THE WEEK	-0.99	* SACANDAGA RIVER AT STEWARTS BRIDGE
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2013	769.21	36.67	6	2019	765.90	32.91
2	2015	767.47	34.67	7	2012	764.83	31.73
3	2017	767.44	34.64	8	2016	764.18	31.01
4	2014	767.16	34.32	9	2018	764.07	30.89
5	2011	765.96	32.98	10	2020	763.86	30.66

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: July 18, 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 11	763.86	30.66	12 AM - Mid	1,650	547	2,197
Sunday 12	764.00	30.81	12 AM - Mid	1,650	771	2,421
Monday 13	763.83	30.63	12 AM - Mid	1,590	745	2,335
Tuesday 14	763.69	30.48	12 AM - Mid	1,660	726	2,386
Wednesday 15	763.64	30.42	12 AM - Mid	1,640	899	2,539
Thursday 16	763.52	30.29	12 AM - Mid	1,650	712	2,362
Friday 17	763.45	30.21	12 AM - Mid	1,590	892	2,482
Saturday 18	763.44	30.20	12 AM - Mid	1,570	727	2,297
CHANGE IN STORAGE DURING THE WEEK		-0.46	* 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	2013	767.55	34.77	6	2011	765.09	32.01
2	2017	766.59	33.68	7	2012	764.14	30.97
3	2014	766.40	33.47	8	2016	763.73	30.52
4	2015	765.52	32.49	9	2020	763.44	30.20
5	2019	765.31	32.26	10	2018	763.21	29.95

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: July 25, 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 18	763.44	30.20	12 AM - Mid	1,570	727	2,297
Sunday 19	763.35	30.11	12 AM - Mid	1,610	819	2,429
Monday 20	763.24	29.99	12 AM - Mid	1,650	738	2,388
Tuesday 21	763.08	29.81	12 AM - Mid	1,640	589	2,229
Wednesday 22	762.99	29.71	12 AM - Mid	1,660	700	2,360
Thursday 23	763.02	29.75	12 AM - Mid	1,660	553	2,213
Friday 24	762.90	29.62	12 AM - Mid	1,650	651	2,301
Saturday 25	762.74	29.44	12 AM - Mid	1,650	491	2,141

CHANGE IN STORAGE DURING THE WEEK	-0.76	* SACANDAGA RIVER AT STEWARTS BRIDGE
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2013	766.43	33.50	6	2011	764.39	31.24
2	2017	765.84	32.84	7	2012	763.56	30.33
3	2014	765.48	32.44	8	2016	762.93	29.65
4	2019	764.76	31.65	9	2020	762.74	29.44
5	2015	764.69	31.57	10	2018	762.67	29.37

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: August 1, 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	762.74	29.44	12 AM - Mid	1,650	491	2,141
Sunday 26	762.66	29.36	12 AM - Mid	1,650	581	2,231
Monday 27	762.52	29.21	12 AM - Mid	1,600	519	2,119
Tuesday 28	762.41	29.09	12 AM - Mid	1,650	426	2,076
Wednesday 29	762.37	29.04	12 AM - Mid	1,650	501	2,151
Thursday 30	762.25	28.92	12 AM - Mid	2,040	402	2,442
Friday 31	762.02	28.67	12 AM - Mid	1,640	460	2,100
Saturday 1	761.90	28.54	12 AM - Mid	1,640	380	2,020
CHANGE IN STORAGE DURING THE WEEK		-0.91	* 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	2014	765.23	32.17	6	2011	763.82	30.62
2	2013	765.09	32.01	7	2012	763.00	29.73
3	2017	765.01	31.92	8	2018	762.29	28.96
4	2019	763.99	30.80	9	2016	762.17	28.83
5	2015	763.97	30.78	10	2020	761.90	28.54

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: August 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	761.90	28.54	12 AM - Mid	1,640	380	2,020
Sunday 2	761.76	28.39	12 AM - Mid	1,830	436	2,266
Monday 3	761.67	28.29	12 AM - Mid	1,790	403	2,193
Tuesday 4	761.48	28.09	12 AM - Mid	1,630	535	2,165
Wednesday 5	761.78	28.41	12 AM - Mid	1,630	2,280	3,910
Thursday 6	761.89	28.53	12 AM - Mid	1,610	2,300	3,910
Friday 7	761.84	28.48	12 AM - Mid	1,670	1,930	3,600
Saturday 8	761.78	28.41	12 AM - Mid	1,650	1,350	3,000
CHANGE IN STORAGE DURING THE WEEK		-0.13	* 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	2017	764.75	31.64	6	2015	763.03	29.76
2	2013	764.60	31.47	7	2012	762.39	29.07
3	2014	764.59	31.46	8	2016	761.88	28.52
4	2011	763.21	29.95	9	2020	761.78	28.41
5	2019	763.19	29.93	10	2018	761.64	28.26

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: August 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	761.78	28.41	12 AM - Mid	1,650	1,350	3,000
Sunday 9	761.69	28.31	12 AM - Mid	1,650	1,190	2,840
Monday 10	761.57	28.19	12 AM - Mid	1,620	990	2,610
Tuesday 11	761.51	28.12	12 AM - Mid	1,600	792	2,392
Wednesday 12	761.28	27.88	12 AM - Mid	1,640	878	2,518
Thursday 13	761.31	27.90	12 AM - Mid	1,640	702	2,342
Friday 14	761.18	27.77	12 AM - Mid	1,640	785	2,425
Saturday 15	761.00	27.58	12 AM - Mid	1,630	597	2,227
CHANGE IN STORAGE DURING THE WEEK		-0.83	* 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	2014	764.13	30.96	6	2015	762.35	29.02
2	2017	764.09	30.91	7	2012	762.22	28.88
3	2013	763.95	30.76	8	2016	761.42	28.03
4	2011	762.71	29.41	9	2020	761.00	27.58
5	2019	762.42	29.10	10	2018	760.88	27.45

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: August 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	761.00	27.58	12 AM - Mid	1,630	597	2,227
Sunday 16	760.91	27.48	12 AM - Mid	1,620	678	2,298
Monday 17	760.76	27.33	12 AM - Mid	1,630	601	2,231
Tuesday 18	760.63	27.19	12 AM - Mid	1,660	484	2,144
Wednesday 19	760.48	27.03	12 AM - Mid	1,650	601	2,251
Thursday 20	760.38	26.93	12 AM - Mid	1,510	473	1,983
Friday 21	760.23	26.77	12 AM - Mid	1,480	539	2,019
Saturday 22	760.11	26.64	12 AM - Mid	1,490	459	1,949
CHANGE IN STORAGE DURING THE WEEK		-0.93	* 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	2014	763.85	30.65	6	2012	761.59	28.21
2	2017	763.48	30.25	7	2015	761.53	28.14
3	2013	763.15	29.89	8	2016	760.81	27.38
4	2011	762.98	29.70	9	2018	760.39	26.94
5	2019	762.71	29.41	10	2020	760.11	26.64

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: July 4, 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 27	1,649.20	3.36	12 AM - Mid	120	85	387
Sunday 28	1,649.16	3.35	12 AM - Mid	120	89	389
Monday 29	1,649.15	3.35	12 AM - Mid	120	92	312
Tuesday 30	1,649.13	3.34	12 AM - Mid	139	99	546
Wednesday 1	1,649.15	3.35	12 AM - Mid	148	111	545
Thursday 2	1,649.12	3.34	12 AM - Mid	148	125	758
Friday 3	1,649.10	3.34	12 AM - Mid	147	137	561
Saturday 4	1,649.03	3.33	12 AM - Mid	147	132	641

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	2013	1,651.02	3.72	6	2020	1,649.03	3.33
2	2015	1,650.43	3.60	7	2018	1,648.54	3.23
3	2014	1,650.02	3.52	8	2019	1,648.36	3.20
4	2017	1,649.38	3.39	9	2012	1,648.17	3.17
5	2011	1,649.34	3.38	10	2016	1,647.94	3.13

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: July 11, 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 4	1,649.03	3.33	12 AM - Mid	147	132	641
Sunday 5	1,648.98	3.32	12 AM - Mid	147	119	502
Monday 6	1,648.88	3.30	12 AM - Mid	147	106	311
Tuesday 7	1,648.83	3.29	12 AM - Mid	146	95	449
Wednesday 8	1,648.79	3.28	12 AM - Mid	146	86	261
Thursday 9	1,648.71	3.27	12 AM - Mid	146	77	409
Friday 10	1,648.65	3.25	12 AM - Mid	146	69	232
Saturday 11	1,648.57	3.24	12 AM - Mid	148	68	397
CHANGE IN STORAGE DURING THE WEEK		-0.09	* 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	2014	1,649.85	3.48	6	2020	1,648.57	3.24
2	2013	1,649.74	3.46	7	2018	1,648.32	3.19
3	2015	1,649.05	3.33	8	2019	1,647.84	3.11
4	2011	1,648.75	3.27	9	2012	1,647.56	3.06
5	2017	1,648.64	3.25	10	2016	1,647.54	3.05

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: July 18, 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 11	1,648.57	3.24	12 AM - Mid	148	68	397
Sunday 12	1,648.68	3.26	12 AM - Mid	148	91	425
Monday 13	1,648.67	3.26	12 AM - Mid	148	126	376
Tuesday 14	1,648.64	3.25	12 AM - Mid	148	119	557
Wednesday 15	1,648.59	3.24	12 AM - Mid	148	106	340
Thursday 16	1,648.56	3.24	12 AM - Mid	148	97	479
Friday 17	1,648.48	3.22	12 AM - Mid	148	95	302
Saturday 18	1,648.48	3.22	12 AM - Mid	148	107	464

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	2014	1,649.48	3.41	6	2017	1,648.21	3.17
2	2013	1,649.18	3.35	7	2018	1,647.98	3.13
3	2020	1,648.48	3.22	8	2019	1,647.59	3.06
4	2011	1,648.39	3.21	9	2016	1,647.18	2.99
5	2015	1,648.33	3.20	10	2012	1,647.07	2.97

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: July 25, 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 18	1,648.48	3.22	12 AM - Mid	148	107	464
Sunday 19	1,648.45	3.22	12 AM - Mid	148	108	406
Monday 20	1,648.33	3.20	12 AM - Mid	148	96	272
Tuesday 21	1,648.35	3.20	12 AM - Mid	148	84	410
Wednesday 22	1,648.25	3.18	12 AM - Mid	148	74	236
Thursday 23	1,648.20	3.17	12 AM - Mid	148	69	378
Friday 24	1,648.14	3.16	12 AM - Mid	148	65	216
Saturday 25	1,648.07	3.15	12 AM - Mid	148	59	355

CHANGE IN STORAGE DURING THE WEEK	-0.07	* 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	2014	1,648.88	3.30	6	2015	1,647.58	3.06
2	2013	1,648.53	3.23	7	2017	1,647.45	3.04
3	2020	1,648.07	3.15	8	2019	1,647.27	3.01
4	2011	1,648.06	3.15	9	2012	1,646.57	2.88
5	2018	1,647.73	3.09	10	2016	1,646.48	2.86

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: August 1, 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	1,648.07	3.15	12 AM - Mid	148	59	355
Sunday 26	1,647.01	2.96	12 AM - Mid	148	52	294
Monday 27	1,647.91	3.12	12 AM - Mid	147	48	179
Tuesday 28	1,647.86	3.11	12 AM - Mid	147	43	319
Wednesday 29	1,647.80	3.10	12 AM - Mid	146	39	172
Thursday 30	1,647.73	3.09	12 AM - Mid	146	36	302
Friday 31	1,647.64	3.07	12 AM - Mid	146	32	162
Saturday 1	1,647.58	3.06	12 AM - Mid	146	30	291

CHANGE IN STORAGE DURING THE WEEK	-0.09	* INIDAN RIVER NEAR INDIAN LAKE
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2014	1,648.88	3.30	6	2015	1,647.09	2.97
2	2013	1,647.89	3.12	7	2017	1,646.98	2.95
3	2011	1,647.80	3.10	8	2019	1,646.94	2.95
4	2020	1,647.58	3.06	9	2012	1,646.10	2.80
5	2018	1,647.47	3.04	10	2016	1,645.90	2.77

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: August 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	1,647.58	3.06	12 AM - Mid	146	30	291
2	1,647.49	3.04	12 AM - Mid	146	30	251
Monday 3	1,647.47	3.04	12 AM - Mid	146	30	147
Tuesday 4	1,647.37	3.02	12 AM - Mid	146	81	400
Wednesday 5	1,647.59	3.06	12 AM - Mid	146	545	1,180
Thursday 6	1,647.68	3.08	12 AM - Mid	146	708	1,510
Friday 7	1,647.63	3.07	12 AM - Mid	146	431	970
Saturday 8	1,647.59	3.06	12 AM - Mid	146	289	835
CHANGE IN STORAGE DURING THE WEEK		0.00	* 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	2014	1,648.03	3.14	6	2018	1,647.21	2.99
2	2020	1,647.59	3.06	7	2019	1,646.60	2.88
3	2017	1,647.52	3.05	8	2015	1,646.43	2.86
4	2011	1,647.49	3.04	9	2016	1,645.74	2.74
5	2013	1,647.36	3.02	10	2012	1,645.64	2.72

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: August 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	1,647.59	3.06	12 AM - Mid	146	289	835
Sunday 9	1,647.54	3.05	12 AM - Mid	146	220	622
Monday 10	1,647.49	3.04	12 AM - Mid	146	178	396
Tuesday 11	1,647.41	3.03	12 AM - Mid	146	152	523
Wednesday 12	1,647.47	3.04	12 AM - Mid	146	130	344
Thursday 13	1,647.45	3.04	12 AM - Mid	146	113	479
Friday 14	1,647.39	3.03	12 AM - Mid	146	99	284
Saturday 15	1,647.33	3.02	12 AM - Mid	146	86	416

CHANGE IN STORAGE DURING THE WEEK	-0.05	* 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	2020	1,647.33	3.02	6	2013	1,646.76	2.91
2	2017	1,647.27	3.01	7	2019	1,646.30	2.83
3	2014	1,647.21	2.99	8	2015	1,645.92	2.77
4	2011	1,647.16	2.99	9	2016	1,645.33	2.67
5	2018	1,646.86	2.93	10	2012	1,645.16	2.64

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: August 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	1,647.33	3.02	12 AM - Mid	146	86	416
Sunday 16	1,647.27	3.01	12 AM - Mid	146	75	340
Monday 17	1,647.21	2.99	12 AM - Mid	146	71	205
Tuesday 18	1,647.13	2.98	12 AM - Mid	146	70	355
Wednesday 19	1,647.10	2.97	12 AM - Mid	146	66	206
Thursday 20	1,647.01	2.96	12 AM - Mid	146	59	342
Friday 21	1,646.97	2.95	12 AM - Mid	146	55	195
Saturday 22	1,646.89	2.94	12 AM - Mid	146	53	333

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

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2011	1,647.02	2.96	6	2019	1,646.25	2.83
2	2020	1,646.89	2.94	7	2013	1,646.19	2.82
3	2017	1,646.89	2.94	8	2015	1,645.44	2.69
4	2018	1,646.71	2.90	9	2016	1,645.02	2.62
5	2014	1,646.41	2.85	10	2012	1,644.57	2.54

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
STILLWATER RESERVOIR OPERATION

FOR WEEK ENDING: July 4, 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 27	1,675.92	3.89	12 AM -Mid	300	360	975
Sunday 28	1,675.85	3.87	12 AM -Mid	300	353	1,080
Monday 29	1,675.83	3.86	12 AM -Mid	300	330	1,160
Tuesday 30	1,675.76	3.85	12 AM -Mid	300	349	1,270
Wednesday 1	1,675.70	3.83	12 AM -Mid	300	291	1,160
Thursday 2	1,675.62	3.81	12 AM -Mid	300	292	1,260
Friday 3	1,675.54	3.79	12 AM -Mid	300	292	1,230
Saturday 4	1,675.46	3.77	12 AM -Mid	300	301	1,180
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	1,679.49	4.83	6	2019	1,676.95	4.15
2	2015	1,678.90	4.67	7	2016	1,676.67	4.08
3	2014	1,678.40	4.53	8	2012	1,675.69	3.83
4	2013	1,677.91	4.40	9	2020	1,675.46	3.77
5	2011	1,677.23	4.22	10	2018	1,674.54	3.55

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: July 11, 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 4	1,675.46	3.77	12 AM -Mid	300	301	1,180
Sunday 5	1,675.37	3.75	12 AM -Mid	300	364	1,100
Monday 6	1,675.27	3.72	12 AM -Mid	300	393	1,100
Tuesday 7	1,675.18	3.70	12 AM -Mid	300	354	1,070
Wednesday 8	1,675.07	3.67	12 AM -Mid	300	324	980
Thursday 9	1,674.99	3.66	12 AM -Mid	300	362	879
Friday 10	1,674.90	3.63	12 AM -Mid	300	360	926
Saturday 11	1,674.82	3.61	12 AM -Mid	300	263	945

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

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2017	1,678.64	4.60	6	2019	1,676.49	4.03
2	2014	1,677.92	4.40	7	2016	1,676.26	3.97
3	2015	1,677.83	4.38	8	2012	1,675.02	3.66
4	2013	1,677.76	4.36	9	2020	1,674.82	3.61
5	2011	1,676.67	4.08	10	2018	1,673.89	3.39

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: July 18, 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 11	1,674.82	3.61	12 AM -Mid	300	263	945
Sunday 12	1,674.82	3.61	12 AM -Mid	300	520	1,370
Monday 13	1,674.83	3.61	12 AM -Mid	300	626	3,340
Tuesday 14	1,674.82	3.61	12 AM -Mid	300	597	3,070
Wednesday 15	1,674.77	3.60	12 AM -Mid	300	391	2,510
Thursday 16	1,674.68	3.58	12 AM -Mid	300	384	2,140
Friday 17	1,674.62	3.57	12 AM -Mid	300	325	1,770
Saturday 18	1,674.55	3.55	12 AM -Mid	300	376	1,700

CHANGE IN STORAGE DURING THE WEEK	-0.06
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2017	1,677.73	4.35	6	2019	1,676.01	3.91
2	2014	1,677.26	4.23	7	2016	1,675.79	3.85
3	2013	1,677.13	4.20	8	2020	1,674.55	3.55
4	2011	1,676.32	3.99	9	2012	1,674.33	3.50
5	2015	1,676.14	3.94	10	2018	1,673.03	3.20

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
STILLWATER RESERVOIR OPERATION

FOR WEEK ENDING: July 25, 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 18	1,674.55	3.55	12 AM -Mid	300	376	1,700
Sunday 19	1,674.46	3.53	12 AM -Mid	300	355	1,860
Monday 20	1,674.38	3.51	12 AM -Mid	300	365	1,800
Tuesday 21	1,674.29	3.49	12 AM -Mid	300	379	1,510
Wednesday 22	1,674.20	3.47	12 AM -Mid	300	349	1,280
Thursday 23	1,674.11	3.44	12 AM -Mid	300	406	1,170
Friday 24	1,674.03	3.42	12 AM -Mid	300	361	1,140
Saturday 25	1,673.94	3.41	12 AM -Mid	300	404	1,060

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

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2017	1,676.49	4.03	6	2016	1,675.26	3.72
2	2014	1,676.25	3.97	7	2015	1,674.87	3.63
3	2013	1,676.25	3.97	8	2020	1,673.94	3.41
4	2011	1,675.82	3.86	9	2012	1,673.19	3.23
5	2019	1,675.29	3.73	10	2018	1,672.26	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: **August 1, 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	1,674.54	3.55	12 AM -Mid	300	404	1,060
Sunday 26	1,674.43	3.52	12 AM -Mid	300	380	1,060
Monday 27	1,674.34	3.50	12 AM -Mid	300	297	999
Tuesday 28	1,674.23	3.47	12 AM -Mid	300	301	894
Wednesday 29	1,674.13	3.45	12 AM -Mid	300	301	895
Thursday 30	1,674.02	3.42	12 AM -Mid	300	301	868
Friday 31	1,673.91	3.40	12 AM -Mid	358	301	886
Saturday 1	1,673.78	3.37	12 AM -Mid	400	344	859

CHANGE IN STORAGE DURING THE WEEK	-0.18
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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	1,676.14	3.94	6	2019	1,675.11	3.68
2	2011	1,675.93	3.89	7	2015	1,674.64	3.57
3	2013	1,675.86	3.87	8	2020	1,673.78	3.37
4	2017	1,675.55	3.79	9	2012	1,672.93	3.17
5	2016	1,675.18	3.70	10	2018	1,672.24	3.02

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

Datum: NAVD 88 - datum revised

CHIEF ENGINEER

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

FOR WEEK ENDING: August 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	1,673.78	3.37	12 AM -Mid	400	344	859
Sunday 2	1,673.63	3.33	12 AM -Mid	400	361	929
Monday 3	1,673.47	3.30	12 AM -Mid	400	460	877
Tuesday 4	1,673.36	3.27	12 AM -Mid	400	497	1,150
Wednesday 5	1,673.35	3.27	12 AM -Mid	400	623	1,340
Thursday 6	1,673.27	3.25	12 AM -Mid	400	518	1,740
Friday 7	1,673.16	3.23	12 AM -Mid	342	447	2,200
Saturday 8	1,673.05	3.20	12 AM -Mid	300	287	1,620

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

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2011	1,675.25	3.72	6	2019	1,674.28	3.48
2	2014	1,675.18	3.70	7	2015	1,674.15	3.46
3	2013	1,674.94	3.64	8	2020	1,673.05	3.20
4	2017	1,674.73	3.59	9	2012	1,672.39	3.06
5	2016	1,674.62	3.57	10	2018	1,671.45	2.85

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

Datum: NAVD 88 - datum revised

CHIEF ENGINEER

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

FOR WEEK ENDING: August 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	1,673.05	3.20	12 AM -Mid	300	287	1,620
Sunday 9	1,672.96	3.18	12 AM -Mid	300	310	1,270
Monday 10	1,672.86	3.16	12 AM -Mid	300	357	1,140
Tuesday 11	1,672.80	3.14	12 AM -Mid	300	302	1,060
Wednesday 12	1,672.70	3.12	12 AM -Mid	300	353	977
Thursday 13	1,672.62	3.10	12 AM -Mid	300	318	952
Friday 14	1,672.51	3.08	12 AM -Mid	300	309	907
Saturday 15	1,672.42	3.06	12 AM -Mid	300	301	961

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	2011	1,674.67	3.58	6	2015	1,673.88	3.39
2	2014	1,674.08	3.44	7	2019	1,673.73	3.36
3	2013	1,674.04	3.43	8	2020	1,672.42	3.06
4	2016	1,674.02	3.42	9	2012	1,671.80	2.93
5	2017	1,673.98	3.42	10	2018	1,670.46	2.65

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

Datum: NAVD 88 - datum revised

CHIEF ENGINEER

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

FOR WEEK ENDING: August 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	1,672.42	3.06	12 AM -Mid	300	301	961
Sunday 16	1,672.31	3.04	12 AM -Mid	300	291	792
Monday 17	1,672.19	3.01	12 AM -Mid	354	291	883
Tuesday 18	1,672.06	2.98	12 AM -Mid	400	292	878
Wednesday 19	1,671.94	2.96	12 AM -Mid	400	294	866
Thursday 20	1,671.76	2.92	12 AM -Mid	400	355	766
Friday 21	1,671.59	2.88	12 AM -Mid	400	414	818
Saturday 22	1,671.47	2.86	12 AM -Mid	400	421	892

CHANGE IN STORAGE DURING THE WEEK	-0.21
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2011	1,673.47	3.30	6	2014	1,672.61	3.10
2	2016	1,673.26	3.25	7	2013	1,672.59	3.10
3	2017	1,673.01	3.19	8	2020	1,671.47	2.86
4	2015	1,672.88	3.16	9	2012	1,670.45	2.65
5	2019	1,672.69	3.12	10	2018	1,669.53	2.47

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: July 4, 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 27	1,706.74	0.890	8	1,784.72	0.261	2
Sunday 28	1,706.75	0.892	8	1,784.75	0.262	2
Monday 29	1,706.85	0.904	13	1,784.89	0.267	2
Tuesday 30	1,706.84	0.903	24	1,784.93	0.268	2
Wednesday 1	1,706.86	0.905	24	1,784.95	0.269	2
Thursday 2	1,706.85	0.904	24	1,784.98	0.269	2
Friday 3	1,706.84	0.903	24	1,784.99	0.270	2
Saturday 4	1,706.83	0.901	24	1,785.01	0.270	2
CHANGE IN STORAGE		0.011			0.009	

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	1,706.86	0.907	1	2018	1,785.70	0.292
2	2020	1,706.83	0.901	2	2016	1,785.67	0.291
3	2016	1,706.82	0.901	3	2019	1,785.58	0.289
4	2018	1,706.77	0.895	4	2017	1,785.50	0.286
5	2019	1,706.76	0.893	5	2020	1,785.01	0.270

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: July 11, 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 4	1,706.83	0.901	24	1,785.01	0.270	2
Sunday 5	1,706.81	0.899	24	1,785.01	0.270	2
Monday 6	1,706.79	0.896	24	1,785.02	0.271	2
Tuesday 7	1,706.78	0.895	24	1,785.03	0.271	2
Wednesday 8	1,706.75	0.892	24	1,785.04	0.271	2
Thursday 9	1,706.74	0.890	24	1,785.07	0.272	2
Friday 10	1,706.73	0.889	24	1,785.09	0.273	2
Saturday 11	1,706.73	0.889	24	1,785.10	0.273	2
CHANGE IN STORAGE		-0.012			0.003	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2020	1,706.73	0.889	1	2018	1,785.66	0.291
2	2016	1,706.73	0.889	2	2017	1,785.66	0.291
3	2018	1,706.71	0.886	3	2016	1,785.64	0.291
4	2019	1,706.69	0.883	4	2019	1,785.56	0.288
5	2017	1,706.68	0.882	5	2020	1,785.10	0.273

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

Datum: NAVD 88

CHIEF ENGINEER

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

FOR WEEK ENDING: July 18, 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 11	1,706.73	0.889	24	1,785.10	0.273	2
Sunday 12	1,706.89	0.910	24	1,785.24	0.278	2
Monday 13	1,707.08	0.936	264	1,785.39	0.283	2
Tuesday 14	1,706.86	0.905	385	1,785.45	0.284	2
Wednesday 15	1,706.67	0.881	211	1,785.55	0.288	2
Thursday 16	1,706.65	0.878	24	1,785.58	0.289	2
Friday 17	1,706.66	0.880	24	1,785.62	0.290	2
Saturday 18	1,706.66	0.880	24	1,785.65	0.291	2
CHANGE IN STORAGE		-0.010			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	2017	1,706.82	0.901	1	2017	1,785.75	0.294
2	2019	1,706.78	0.896	2	2020	1,785.65	0.291
3	2016	1,706.72	0.888	3	2019	1,785.64	0.291
4	2018	1,706.70	0.885	4	2018	1,785.57	0.288
5	2020	1,706.66	0.880	5	2016	1,785.55	0.288

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: July 25, 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 18	1,706.66	0.880	24	1,785.65	0.291	2
Sunday 19	1,706.66	0.880	24	1,785.67	0.291	2
Monday 20	1,706.63	0.876	24	1,785.66	0.291	2
Tuesday 21	1,706.62	0.873	16	1,785.66	0.291	2
Wednesday 22	1,706.61	0.872	12	1,785.66	0.291	2
Thursday 23	1,706.62	0.873	12	1,785.65	0.291	2
Friday 24	1,706.61	0.872	12	1,785.65	0.291	2
Saturday 25	1,706.60	0.870	12	1,785.63	0.290	2
CHANGE IN STORAGE		-0.009			-0.001	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	1,706.75	0.892	1	2019	1,785.66	0.291
2	2018	1,706.73	0.889	2	2020	1,785.63	0.290
3	2016	1,706.71	0.886	3	2017	1,785.61	0.290
4	2017	1,706.64	0.877	4	2016	1,785.54	0.287
5	2020	1,706.60	0.870	5	2018	1,785.48	0.285

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: August 1, 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	1,706.78	0.895	12	1,785.99	0.302	2
Sunday 26	1,706.77	0.893	12	1,785.98	0.301	2
Monday 27	1,706.75	0.892	12	1,785.96	0.301	2
Tuesday 28	1,706.75	0.892	7	1,785.94	0.300	2
Wednesday 29	1,706.75	0.892	4	1,785.93	0.300	2
Thursday 30	1,706.73	0.889	4	1,785.92	0.299	2
Friday 31	1,706.72	0.888	4	1,785.91	0.299	2
Saturday 1	1,706.71	0.886	4	1,785.90	0.299	2
CHANGE IN STORAGE		-0.008			-0.003	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	1,706.99	0.924	1	2019	1,785.98	0.301
2	2016	1,706.90	0.912	2	2017	1,785.96	0.300
3	2018	1,706.88	0.909	3	2020	1,785.90	0.299
4	2017	1,706.79	0.896	4	2016	1,785.88	0.298
5	2020	1,706.71	0.886	5	2018	1,785.81	0.296

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 - datum revised

CHIEF ENGINEER

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

FOR WEEK ENDING: August 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	1,706.71	0.886	4	1,785.90	0.299	3
Sunday 2	1,706.71	0.886	4	1,785.90	0.299	3
Monday 3	1,706.86	0.905	4	1,785.97	0.301	3
Tuesday 4	1,706.89	0.910	119	1,785.99	0.302	3
Wednesday 5	1,706.87	0.907	238	1,785.89	0.299	3
Thursday 6	1,706.94	0.917	16	1,785.83	0.297	3
Friday 7	1,706.95	0.919	16	1,785.83	0.297	3
Saturday 8	1,706.94	0.917	16	1,785.84	0.297	3
CHANGE IN STORAGE		0.031			-0.002	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2017	1,706.97	0.922	1	2016	1,786.03	0.303
2	2019	1,706.95	0.919	2	2019	1,785.94	0.300
3	2020	1,706.94	0.917	3	2017	1,785.89	0.299
4	2016	1,706.89	0.910	4	2020	1,785.84	0.297
5	2018	1,706.86	0.907	5	2018	1,785.80	0.295

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: August 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	1,706.94	0.917	16	1,785.84	0.297	3
Sunday 9	1,706.93	0.916	16	1,785.84	0.297	3
Monday 10	1,706.92	0.915	16	1,785.84	0.297	3
Tuesday 11	1,706.92	0.915	11	1,785.85	0.297	3
Wednesday 12	1,706.90	0.912	8	1,785.85	0.297	3
Thursday 13	1,706.90	0.912	8	1,785.85	0.297	3
Friday 14	1,706.89	0.910	8	1,785.84	0.297	3
Saturday 15	1,706.89	0.910	8	1,785.84	0.297	3
CHANGE IN STORAGE		-0.007			0.000	

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	1,706.97	0.922	1	2016	1,786.15	0.307
2	2016	1,706.95	0.919	2	2017	1,786.07	0.304
3	2020	1,706.89	0.910	3	2019	1,785.99	0.301
4	2018	1,706.89	0.910	4	2020	1,785.84	0.297
5	2017	1,706.88	0.909	5	2018	1,785.75	0.294

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

Datum: NAVD 88

CHIEF ENGINEER

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

FOR WEEK ENDING: August 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	1,706.89	0.910	8	1,785.84	0.297	3
Sunday 16	1,706.88	0.909	8	1,785.83	0.297	3
Monday 17	1,706.86	0.905	4	1,785.81	0.296	3
Tuesday 18	1,706.85	0.904	2	1,785.80	0.296	3
Wednesday 19	1,706.88	0.909	2	1,785.81	0.296	3
Thursday 20	1,706.87	0.907	2	1,785.79	0.295	3
Friday 21	1,706.86	0.905	2	1,785.78	0.295	3
Saturday 22	1,706.88	0.909	2	1,785.80	0.296	3
CHANGE IN STORAGE		-0.001			-0.001	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2019	1,707.00	0.926	1	2019	1,786.07	0.304
2	2018	1,706.95	0.919	2	2016	1,786.02	0.302
3	2020	1,706.88	0.909	3	2017	1,785.94	0.300
4	2017	1,706.86	0.907	4	2018	1,785.83	0.297
5	2016	1,706.84	0.904	5	2020	1,785.80	0.296

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
SACANDAGA RESERVOIR / HUDSON RIVER REGULATION

Monthly Report for: July 2020

Day	Sacandaga Reservoir Elevation Average Daily	Sacandaga Reservoir Elevation Midnight	Sacandaga River Near Hope cfs	Reservoir Inflow Hope x 2.2184 cfs	Sacandaga River at Stewarts Bridge cfs	Hudson River at Hadley cfs	Regulated Hudson River below confluence cfs
1	764.95	764.98	244	541	1660	994	2654
2	764.88	764.90	401	890	1670	1160	2830
3	764.79	764.78	247	548	1690	1170	2860
4	764.69	764.76	179	397	1690	953	2643
5	764.58	764.63	145	322	1710	948	2658
6	764.43	764.51	120	266	1690	814	2504
7	764.32	764.40	103	228	1650	616	2266
8	764.22	764.26	109	242	1620	728	2348
9	764.09	764.12	106	235	1680	583	2263
10	763.95	764.01	91	202	1670	667	2337
11	763.91	763.86	128	284	1650	547	2197
12	763.92	764.00	191	424	1650	771	2421
13	763.79	763.83	179	397	1590	745	2335
14	763.67	763.69	140	311	1660	726	2386
15	763.57	763.64	125	277	1640	899	2539
16	763.47	763.52	112	248	1650	712	2362
17	763.47	763.45	225	499	1590	892	2482
18	763.39	763.44	245	544	1570	727	2297
19	763.31	763.35	184	408	1610	819	2429
20	763.21	763.24	146	324	1650	738	2388
21	763.07	763.08	118	262	1640	589	2229
22	762.97	762.99	100	222	1660	700	2360
23	762.94	763.02	94	209	1660	553	2213
24	762.82	762.90	90	200	1650	651	2301
25	762.72	762.74	81	180	1650	491	2141
26	762.62	762.66	73	162	1650	581	2231
27	762.50	762.52	67	149	1600	519	2119
28	762.43	762.41	67	149	1650	426	2076
29	762.31	762.37	65	144	1650	501	2151
30	762.17	762.25	60	133	2040	402	2442
31	762.00	762.02	56	124	1640	460	2100

AVERAGE 138 310 1660 710 2370

CHANGE IN STORAGE DURING THE MONTH -3.35 B.C.F.

 CHIEF ENGINEER

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

Monthly Report for: July, 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	1649.12	1649.15	62	150	111	545
2	1649.10	1649.12	105	149	125	758
3	1649.06	1649.10	16	148	137	561
4	1649.00	1649.03	38	148	132	641
5	1648.94	1648.98	-72	148	119	502
6	1648.87	1648.88	38	148	106	311
7	1648.82	1648.83	60	148	95	449
8	1648.76	1648.79	-37	148	86	261
9	1648.69	1648.71	23	148	77	409
10	1648.62	1648.65	-19	148	69	232
11	1648.59	1648.57	378	149	68	397
12	1648.69	1648.68	128	149	91	425
13	1648.65	1648.67	86	148	126	376
14	1648.61	1648.64	44	148	119	557
15	1648.56	1648.59	86	148	106	340
16	1648.49	1648.56	-19	148	97	479
17	1648.48	1648.48	148	148	95	302
18	1648.47	1648.48	86	148	107	464
19	1648.41	1648.45	-102	148	108	406
20	1648.34	1648.33	169	148	96	272
21	1648.30	1648.35	-39	148	84	410
22	1648.23	1648.25	44	148	74	236
23	1648.18	1648.20	23	148	69	378
24	1648.11	1648.14	2	148	65	216
25	1648.04	1648.07	23	148	59	355
26	1647.97	1648.01	-60	148	52	294
27	1647.89	1647.91	22	147	48	179
28	1647.83	1647.86	43	147	43	319
29	1647.77	1647.80	0	146	39	172
30	1647.69	1647.73	-42	146	36	302
31	1647.63	1647.64	21	146	32	162

AVERAGE 40 148 86 378

CHANGE IN STORAGE DURING THE MONTH -0.288 B.C.F

 CHIEF ENGINEER

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

Monthly Report for: July 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	1676.25	1676.30	65	300	173	291	1160
2	1676.17	1676.22	65	300	160	292	1260
3	1676.10	1676.14	65	300	156	292	130
4	1676.01	1676.06	35	300	141	301	1180
5	1675.91	1675.97	8	300	125	364	1100
6	1675.83	1675.87	43	300	131	393	1100
7	1675.72	1675.78	-14	300	130	354	1070
8	1675.62	1675.67	71	300	121	324	980
9	1675.54	1675.59	71	300	101	362	879
10	1675.45	1675.50	43	300	99	360	926
11	1675.42	1675.42	300	300	192	263	945
12	1675.43	1675.42	329	300	571	520	1370
13	1675.42	1675.43	271	300	474	626	3340
14	1675.39	1675.42	157	300	277	597	3070
15	1675.32	1675.37	43	300	216	391	2510
16	1675.24	1675.28	128	300	175	384	2140
17	1675.17	1675.22	100	300	413	325	1770
18	1675.10	1675.15	43	300	472	376	1700
19	1675.01	1675.06	100	300	347	355	1860
20	1674.93	1674.98	15	300	236	365	1800
21	1674.84	1674.89	53	300	155	379	1510
22	1674.76	1674.80	53	300	129	349	1280
23	1674.67	1674.71	80	300	127	406	1170
24	1674.59	1674.63	53	300	124	361	1140
25	1674.49	1674.54	25	300	114	404	1060
26	1674.38	1674.43	25	300	103	380	1060
27	1674.28	1674.34	25	300	96	297	999
28	1674.17	1674.23	25	300	119	301	894
29	1674.07	1674.13	-30	300	121	301	895
30	1673.96	1674.02	25	300	107	301	868
31	1673.85	1673.91	-14	358	92	301	886

AVERAGE 73 302 190 370 1360

CHANGE IN STORAGE DURING THE MONTH -0.61 B.C.F.

 CHIEF ENGINEER

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

Monthly Report for: July, 2020

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1785.33	1785.31	13	0.00	0.04	2
2	1785.35	1785.34	6	0.00	0.04	2
3	1785.36	1785.35	9	0.00	0.04	2
4	1785.37	1785.37	2	0.00	0.04	2
5	1785.37	1785.37	6	0.00	0.04	2
6	1785.39	1785.38	6	0.00	0.04	2
7	1785.40	1785.39	6	0.00	0.04	2
8	1785.41	1785.40	13	0.00	0.04	2
9	1785.44	1785.43	9	0.00	0.04	2
10	1785.45	1785.45	6	0.00	0.04	2
11	1785.50	1785.46	54	0.00	0.04	2
12	1785.70	1785.60	13	0.00	0.04	2
13	1785.77	1785.75	2	0.00	0.04	2
14	1785.86	1785.81	2	0.00	0.04	2
15	1785.93	1785.91	2	0.00	0.04	2
16	1785.96	1785.94	2	0.00	0.04	2
17	1786.00	1785.98	2	0.00	0.04	2
18	1786.02	1786.01	2	0.00	0.04	2
19	1786.02	1786.03	2	0.00	0.04	2
20	1786.02	1786.02	2	0.00	0.04	2
21	1786.02	1786.02	2	0.00	0.04	2
22	1786.01	1786.02	2	0.00	0.04	2
23	1786.01	1786.01	2	0.00	0.04	2
24	1786.00	1786.01	2	0.00	0.04	2
25	1785.98	1785.99	2	0.00	0.04	2
26	1785.96	1785.98	2	0.00	0.04	2
27	1785.95	1785.96	2	0.00	0.04	2
28	1785.94	1785.94	2	0.00	0.04	2
29	1785.92	1785.93	2	0.00	0.04	2
30	1785.92	1785.92	2	0.00	0.04	2
31	1785.91	1785.91	2	0.00	0.04	2

AVERAGE 6 2

CHANGE IN STORAGE DURING THE MONTH 0.019 B.C.F

 CHIEF ENGINEER

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

Monthly Report for: July, 2020

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1707.03	1707.04	8	0.25	0.25	24
2	1707.02	1707.03	8	0.25	0.25	24
3	1707.02	1707.02	8	0.25	0.25	24
4	1707.00	1707.01	-8	0.25	0.25	24
5	1706.97	1706.99	-8	0.25	0.25	24
6	1706.97	1706.97	8	0.25	0.25	24
7	1706.94	1706.96	-25	0.25	0.25	24
8	1706.92	1706.93	8	0.25	0.25	24
9	1706.91	1706.92	8	0.25	0.25	24
10	1706.91	1706.91	24	0.25	0.25	24
11	1706.95	1706.91	283	0.25	0.25	24
12	1707.20	1707.07	332	0.25	0.25	24
13	1707.15	1707.26	-93	4.00	4.00	264
14	1706.94	1707.04	82	4.00	4.00	385
15	1706.81	1706.85	181	0.25	0.25	211
16	1706.83	1706.83	39	0.25	0.25	24
17	1706.83	1706.84	24	0.25	0.25	24
18	1706.83	1706.84	24	0.25	0.25	24
19	1706.81	1706.84	-21	0.25	0.25	24
20	1706.79	1706.81	9	0.25	0.25	24
21	1706.79	1706.80	1	0.00	0.25	16
22	1706.80	1706.79	27	0.00	0.25	12
23	1706.78	1706.80	-3	0.00	0.25	12
24	1706.79	1706.79	-4	0.00	0.25	12
25	1706.77	1706.78	-4	0.00	0.25	12
26	1706.74	1706.77	-53	0.00	0.25	12
27	1706.73	1706.73	44	0.00	0.25	12
28	1706.73	1706.75	7	0.00	0.08	7
29	1706.72	1706.75	-28	0.00	0.08	4
30	1706.71	1706.73	-12	0.00	0.08	4
31	1706.72	1706.72	-12	0.00	0.08	4

AVERAGE 27 44

CHANGE IN STORAGE DURING THE MONTH -0.045 B.C.F

 CHIEF ENGINEER