

REPORT OF CHIEF ENGINEER
HUDSON RIVER - BLACK RIVER REGULATING DISTRICT
BOARD MEETING
SEPTEMBER 13, 2022 – 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 1,620 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	763.54	+1.12	-1.35	0	1,670
Aug. 31	759.8 (e)	+0.8 (e)	-2.7 (e)	0	1,600 (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 170 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	1,648.14	+0.25	+0.94	209
Aug. 31	1,646.3 (e)	+0.3 (e)	-0.4 (e)	151 (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 2,390 cfs on August 28 and approximately 750 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	115 (e)	298
Sacandaga at Stewarts Bridge	1,620 (e)	1,900
Indian at Indian Lake Dam	166 (e)	333
Hudson at Hadley (1)	580 (e)	1,280

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

Precipitation

Monthly total precipitation measured 85%, 40%, and 45% historic average at Indian Lake, Mayfield, and Conklingville, respectively, as of August 28

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

Station	Monthly Total (inch)	Historic Average (inch)
Indian Lake	3.25	3.83
Mayfield	1.61	4.06
Conklingville	1.73	3.88

HUDSON RIVER AREA - AUGUST SUMMARY- continued**Operation Overview**

Precipitation during the month of August was below 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 23% and 39% of historic average, respectively. Monthly release of water from Great Sacandaga Lake and Indian Lake measured 84% and 66% of historic average, respectively.

Great Sacandaga Lake Operation

Great Sacandaga Lake operation summary report for the period August 1, 2022 through August 28, 2022 is attached. This report includes projected and forecast values for dates after August 28, 2022.

Hudson River Area Staff Activities

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

BLACK RIVER AREA – AUGUST SUMMARY

Reservoir Operations

Stillwater Reservoir

The August average daily release from Stillwater Reservoir was approximately 480 cfs. The maximum discharge for the month was 600 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	1,676.96	+1.52	400
Aug. 31	1,674.5 (e)	+2.0 (e)	600 (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 10 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	1,786.10	+0.34	15
Aug. 31	1,786.0 (e)	+0.3 (e)	10 (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	1,706.94	+0.04	84
Aug. 31	1,707.0 (e)	+0.1 (e)	16 (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 2,790 cfs on August 28.

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

River	Monthly Average Flow (cfs)	Historic Average Flow (1) (cfs)
Moose at McKeever	222 (e)	328
Beaver at Croghan	590 (e)	519
Black at Watertown	1,970 (e)	1,850

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

Precipitation

Monthly total precipitation measured 157%, 113%, 86% of historic average at Stillwater, Old Forge, and Sixth Lake, respectively, as of August 28.

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

Station	Monthly Total (inch)	Historic Average (inch)
Stillwater	7.26	4.62
Old Forge	5.08	4.50
Sixth Lake	3.59	4.19

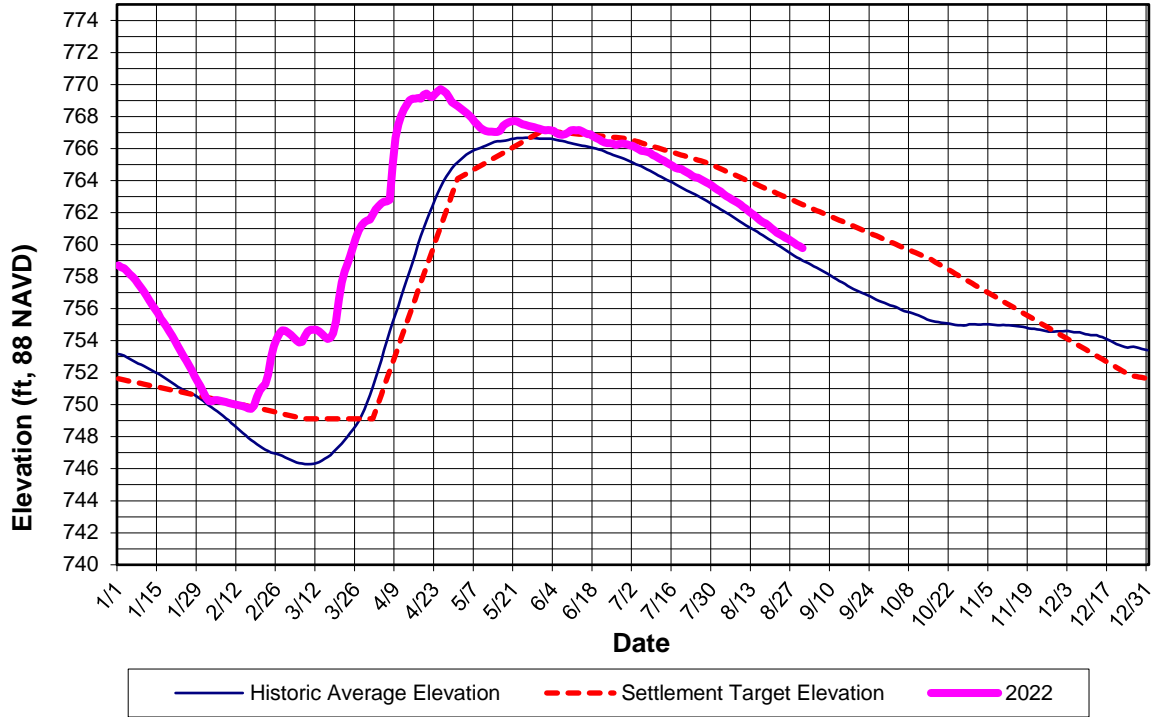
BLACK RIVER AREA - AUGUST SUMMARY - continued**Operation Overview**

Precipitation in the month of August was above average at Stillwater and Old Forge, and below average at Sixth Lake. The monthly inflow to Stillwater Reservoir was approximately 112% of historic average. The inflow to Sixth Lake and Old Forge Reservoir totaled 0.03 and 0.07 billion cubic feet, respectively, in August. Release of water from Stillwater Reservoir averaged 119% of historic discharge.

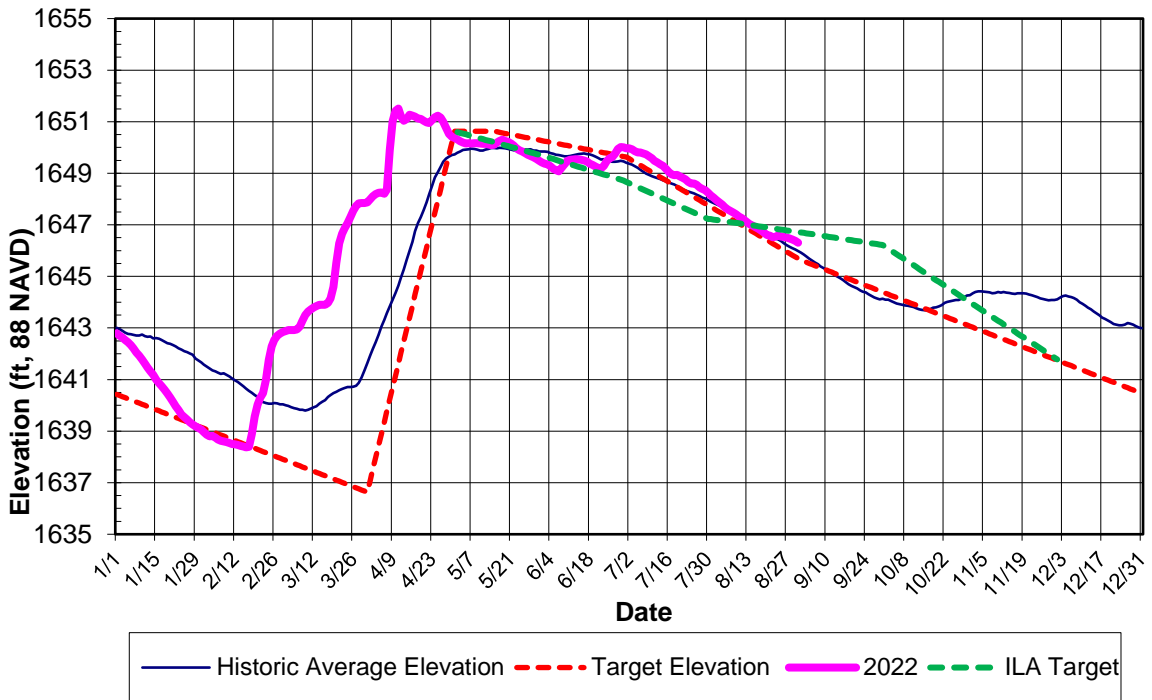
Black River Area Staff Activities

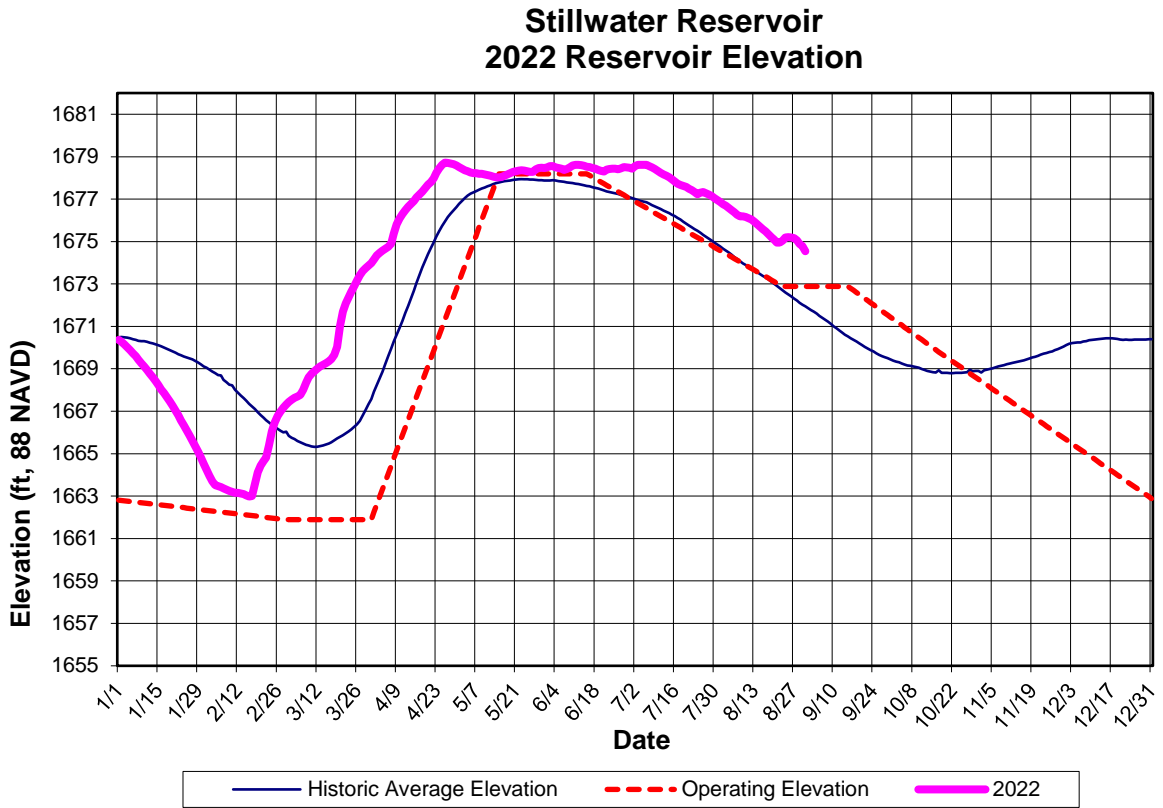
A summary of District staff activities and work projects at the dam facilities is attached in the Superintendent's Report.

Great Sacandaga Lake 2022 Reservoir Elevation

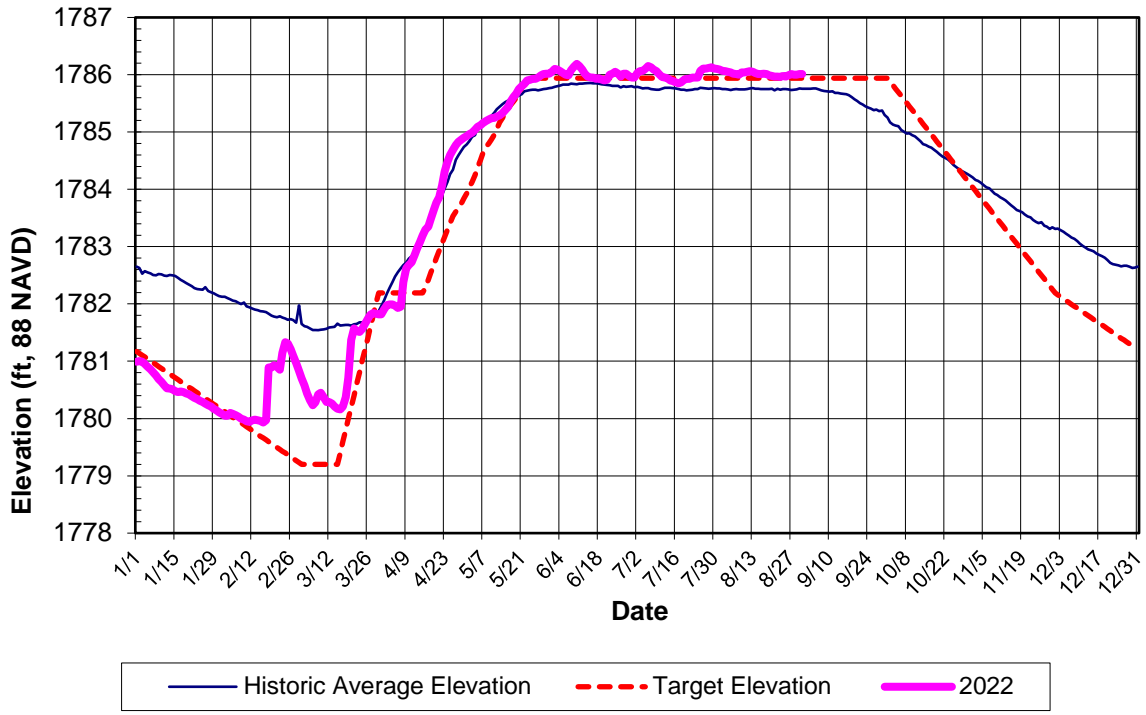


Indian Lake 2022 Reservoir Elevation

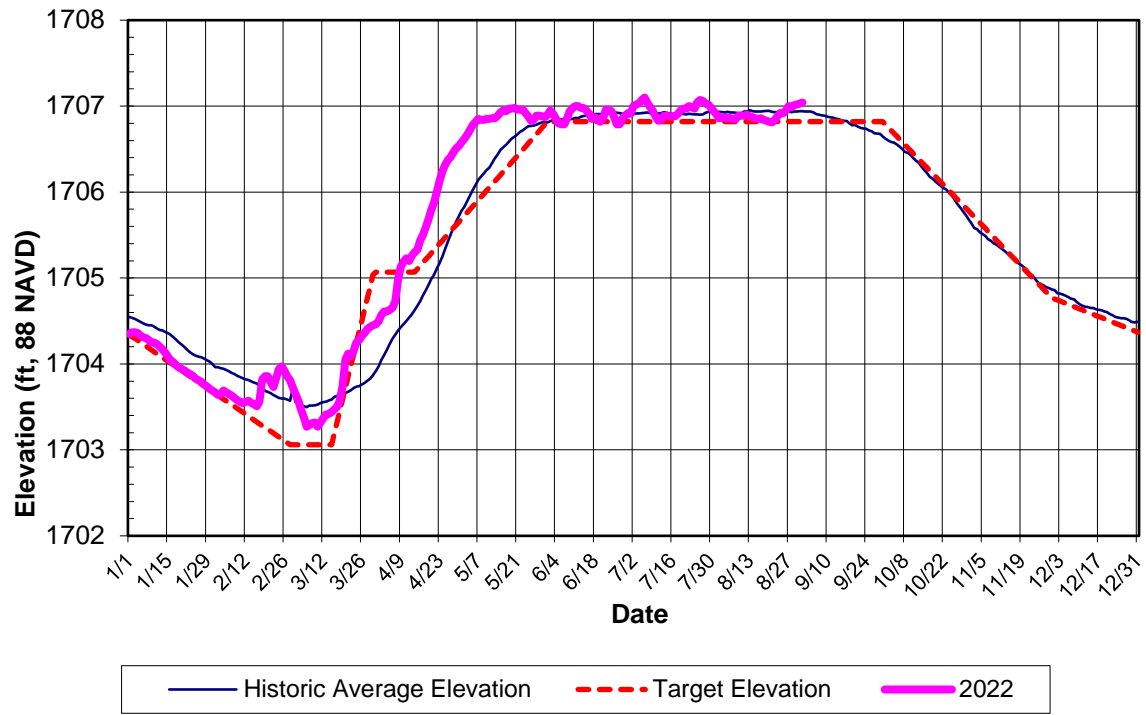




Sixth Lake 2022 Reservoir Elevation



Old Forge 2022 Reservoir Elevation



SACANDAGA RESERVOIR ELEVATION CALCULATOR

BROOKFIELD HYDRO CONTROL CENTER: 877-816-7466

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

Datum: **1988 NAVD**

Settlement Parameters	
Date	8/29/2022
Target Elevation	762.66
Actual "Level"	2.56
"Level 2.5 threshold"	759.44
"Level 1.2 threshold"	755.79
Hudson River Target	
	Elevation Level
Maximum Flow (cfs)	8000 7500
Minimum Flow (cfs)	n/a 1784
Min. Rec/Rafting Hours (hrs)	8

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	8/29/2022
Day of Year	5720
Starting Elevation (ft)	760.05
Average Elevation	760.00
Flow Below Hadley (cfs)	2067
Todays Release	1567
Tomorrows Release	1567

Dan McCarty 744-2067 Eric Johnson 863-8791

Piezometers 518-696-5807

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	Maximum	Maximum						
8/1/2022	763.46	400	1630	0	0	1630	4000	2.68	757	2387	1846	8000	7500	763.36	8/2/2022	763.41	764.81	762.31
8/2/2022	763.36	0	1630	0	0	1630	4000	2.68	655	2285	1842	8000	7500	763.23	8/3/2022	763.30	764.74	762.20
8/3/2022	763.23	-100	1620	0	0	1620	4000	2.68	747	2367	1842	8000	7500	763.09	8/4/2022	763.16	764.66	762.10
8/4/2022	763.09	400	1630	0	0	1630	4000	2.68	603	2233	1842	8000	7500	762.99	8/5/2022	763.04	764.58	762.00
8/5/2022	762.99	200	1620	0	0	1620	4000	2.67	703	2323	1842	8000	7500	762.87	8/6/2022	762.93	764.50	761.89
8/6/2022	762.87	500	1620	0	0	1620	4000	2.67	569	2189	1842	8000	7500	762.78	8/7/2022	762.83	764.43	761.78
8/7/2022	762.78	-100	1610	0	0	1610	4000	2.67	672	2282	1842	8000	7500	762.64	8/8/2022	762.71	764.35	761.66
8/8/2022	762.64	300	1620	0	0	1620	4000	2.64	630	2250	1827	8000	7500	762.53	8/9/2022	762.59	764.27	761.55
8/9/2022	762.53	100	1630	0	0	1630	4000	2.63	548	2178	1818	8000	7500	762.40	8/10/2022	762.47	764.20	761.43
8/10/2022	762.40	300	1630	0	0	1630	4000	2.62	642	2272	1813	8000	7500	762.29	8/11/2022	762.35	764.12	761.32
8/11/2022	762.29	100	1620	0	0	1620	4000	2.60	514	2134	1808	8000	7500	762.16	8/12/2022	762.23	764.04	761.21
8/12/2022	762.16	-200	1610	0	0	1610	4000	2.59	652	2262	1803	8000	7500	762.01	8/13/2022	762.09	763.97	761.11
8/13/2022	762.01	-200	1600	0	0	1600	4000	2.58	509	2109	1798	8000	7500	761.86	8/14/2022	761.94	763.89	761.01
8/14/2022	761.86	-300	1620	0	0	1620	4000	2.57	600	2220	1789	8000	7500	761.70	8/15/2022	761.78	763.81	760.91
8/15/2022	761.70	300	1590	0	0	1590	4000	2.56	534	2124	1784	8000	7500	761.59	8/16/2022	761.65	763.74	760.80
8/16/2022	761.59	-100	1600	0	0	1600	4000	2.53	425	2025	1774	8000	7500	761.45	8/17/2022	761.52	763.66	760.69
8/17/2022	761.45	1000	1610	0	0	1610	4000	2.53	507	2117	1774	8000	7500	761.40	8/18/2022	761.43	763.58	760.58
8/18/2022	761.40	-100	1620	0	0	1620	4000	2.52	433	2053	1770	8000	7500	761.26	8/19/2022	761.33	763.50	760.46
8/19/2022	761.26	-500	1620	0	0	1620	4000	2.51	525	2145	1760	8000	7500	761.08	8/20/2022	761.17	763.43	760.35
8/20/2022	761.08	200	1810	0	0	1810	4000	2.50	401	2211	1760	8000	7490	760.94	8/21/2022	761.01	763.35	760.23
8/21/2022	760.94	0	1620	0	0	1620	4000	2.49	484	2104	1760	8000	7480	760.80	8/22/2022	760.87	763.27	760.11
8/22/2022	760.80	200	1610	0	0	1610	4000	2.48	452	2062	1760	8000	7470	760.68	8/23/2022	760.74	763.20	760.00
8/23/2022	760.68	300	1630	0	0	1630	4000	2.47	390	2020	1760	8000	7460	760.57	8/24/2022	760.63	763.12	759.90
8/24/2022	760.57	800	1620	0	0	1620	4000	2.46	624	2244	1760	8000	7450	760.50	8/25/2022	760.54	763.04	759.78
8/25/2022	760.50	-200	1600	0	0	1600	4000	2.45	599	2199	1760	8000	7440	760.35	8/26/2022	760.43	762.97	759.67
8/26/2022	760.35	500	1550	0	0	1550	4000	2.43	742	2292	1760	8000	7430	760.26	8/27/2022	760.31	762.89	759.55
8/27/2022	760.26	200	1600	0	0	1600	4000	2.42	639	2239	1760	8000	7420	760.14	8/28/2022	760.20	762.81	759.42
8/28/2022	760.14	600	1600	0	0	1600	4000	2.41	792	2392	1760	8000	7410	760.05	8/29/2022	760.10	762.74	759.30
8/29/2022	760.05	400	1567	0	0	1567	4000	2.40	500	2067	1760	8000	7400	759.95	8/30/2022	760.00	762.66	759.20
8/30/2022	759.95	300	1567	0	0	1567	4000	2.39	500	2067	1760	8000	7390	759.84	8/31/2022	759.90	762.58	759.11
8/31/2022	759.84	200	1567	0	0	1567	4000	2.38	500	2067	1760	8000	7380	759.72	9/1/2022	759.78	762.50	759.01
9/1/2022	759.72	200	1567	0	0	1567	4000	2.37	500	2067	1760	8000	7370	759.60	9/2/2022	762.35	758.92	758.92
6/6/2020	767.29	1000	4000	0	0	4000	5487	3.00	500	4500	2000	8000	7500	777.12	3/15/2019	#N/A	#N/A	#N/A

Signature: _____

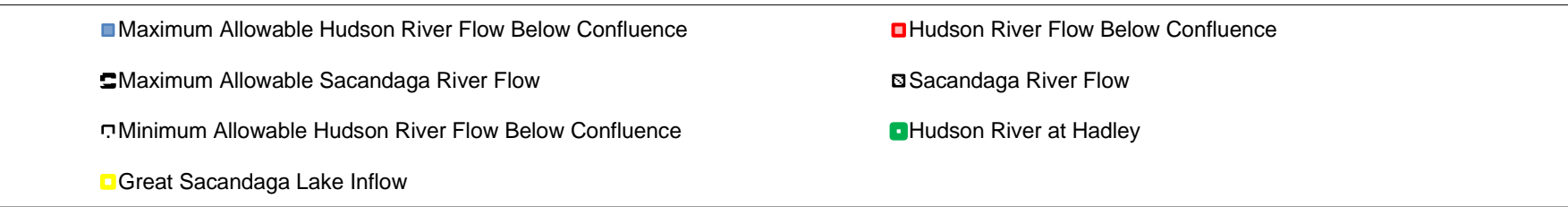
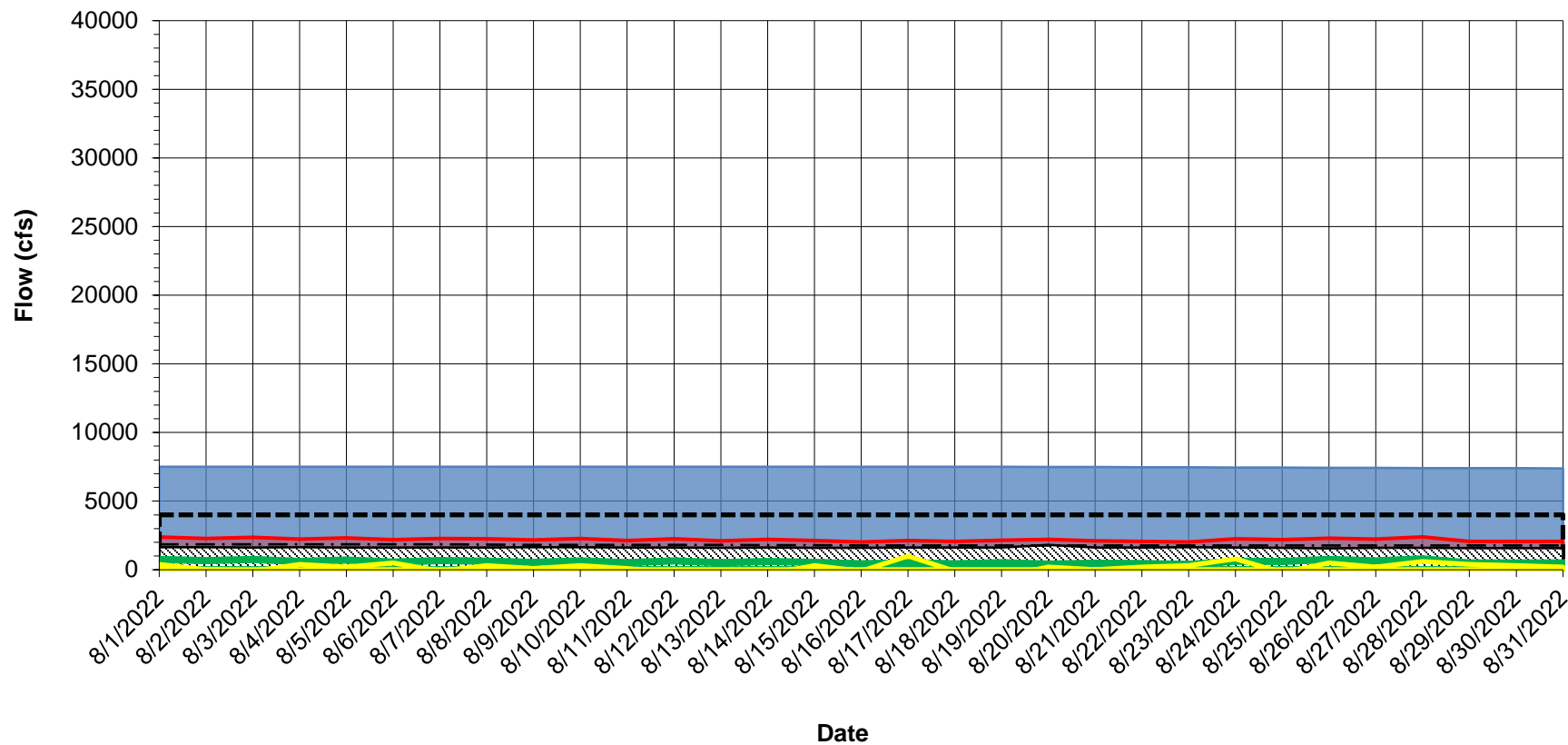
Date: _____

**GREAT SACANDAGA LAKE
RESERVOIR OPERATION SUMMARY**

Print Date: 8/29/2022
Period of Record: 8/1/2022 to 8/29/2022

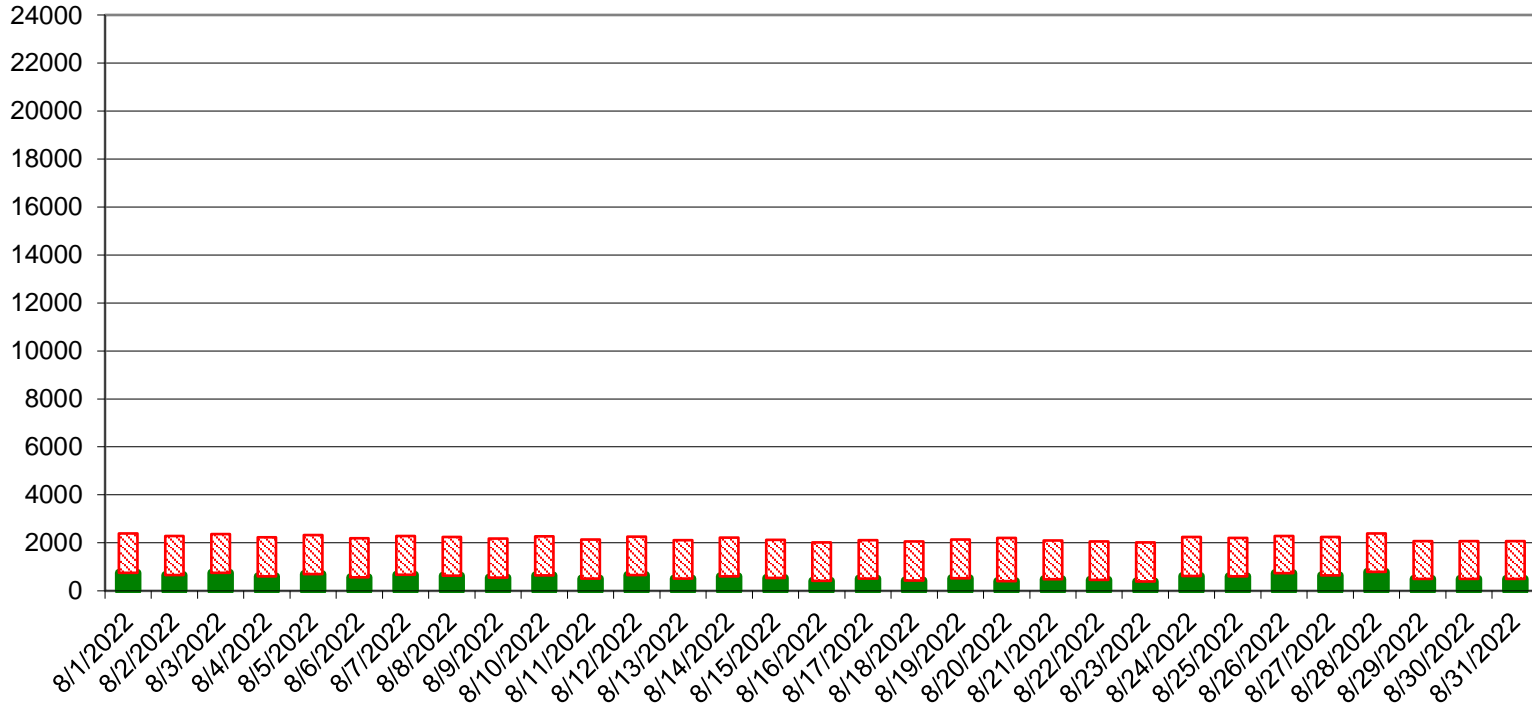
Starting Date 12:00 AM	Daily Avg. Elevation	Net Average Inflow	Sacandaga River Flow Average Release	Maximum (Table F - Elev.)	Settlement Level	Hudson at Hadley	Hudson River Below Confluence	Hudson River Target Flow Minimum (Table B - Level)	Maximum (Table D & E)	Maximum Allowable Sacandaga
8/1/2022	763.41	400	1630	4000	2.68	757	2387	1846	7500	4000
8/2/2022	763.30	0	1630	4000	2.68	655	2285	1842	7500	4000
8/3/2022	763.16	-100	1620	4000	2.68	747	2367	1842	7500	4000
8/4/2022	763.04	400	1630	4000	2.68	603	2233	1842	7500	4000
8/5/2022	762.93	200	1620	4000	2.67	703	2323	1842	7500	4000
8/6/2022	762.83	500	1620	4000	2.67	569	2189	1842	7500	4000
8/7/2022	762.71	-100	1610	4000	2.67	672	2282	1842	7500	4000
8/8/2022	762.59	300	1620	4000	2.64	630	2250	1827	7500	4000
8/9/2022	762.47	100	1630	4000	2.63	548	2178	1818	7500	4000
8/10/2022	762.35	300	1630	4000	2.62	642	2272	1813	7500	4000
8/11/2022	762.23	100	1620	4000	2.60	514	2134	1808	7500	4000
8/12/2022	762.09	-200	1610	4000	2.59	652	2262	1803	7500	4000
8/13/2022	761.94	-200	1600	4000	2.58	509	2109	1798	7500	4000
8/14/2022	761.78	-300	1620	4000	2.57	600	2220	1789	7500	4000
8/15/2022	761.65	300	1590	4000	2.56	534	2124	1784	7500	4000
8/16/2022	761.52	-100	1600	4000	2.53	425	2025	1774	7500	4000
8/17/2022	761.43	1000	1610	4000	2.53	507	2117	1774	7500	4000
8/18/2022	761.33	-100	1620	4000	2.52	433	2053	1770	7500	4000
8/19/2022	761.17	-500	1620	4000	2.51	525	2145	1760	7500	4000
8/20/2022	761.01	200	1810	4000	2.50	401	2211	1760	7490	4000
8/21/2022	760.87	0	1620	4000	2.49	484	2104	1760	7480	4000
8/22/2022	760.74	200	1610	4000	2.48	452	2062	1760	7470	4000
8/23/2022	760.63	300	1630	4000	2.47	390	2020	1760	7460	4000
8/24/2022	760.54	800	1620	4000	2.46	624	2244	1760	7450	4000
8/25/2022	760.43	-200	1600	4000	2.45	599	2199	1760	7440	4000
8/26/2022	760.31	500	1550	4000	2.43	742	2292	1760	7430	4000
8/27/2022	760.20	200	1600	4000	2.42	639	2239	1760	7420	4000
8/28/2022	760.10	600	1600	4000	2.41	792	2392	1760	7410	4000
8/29/2022	760.00	400	1567	4000	2.40	500	2067	1760	7400	4000
8/30/2022	759.90	300	1567	4000	2.39	500	2067	1760	7390	4000
8/31/2022	759.78	200	1567	4000	2.38	500	2067	1760	7380	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: July 2022

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	766.20	766.20	545	1209	1600	1550	3150
2	766.15	766.26	495	1098	1600	1280	2880
3	766.06	766.09	390	865	1600	1340	2940
4	765.96	766.01	377	836	1630	1260	2890
5	765.86	765.92	328	728	1590	1130	2720
6	765.84	765.90	547	1213	1610	1340	2950
7	765.79	765.82	577	1280	1610	1340	2950
8	765.73	765.75	424	941	1620	1390	3010
9	765.60	765.64	291	646	1570	1190	2760
10	765.51	765.54	296	657	1610	1110	2720
11	765.41	765.43	253	561	1600	1020	2620
12	765.32	765.38	254	563	1610	919	2529
13	765.23	765.31	301	668	1620	984	2604
14	765.11	765.15	212	470	1630	849	2479
15	765.01	765.04	259	575	1530	886	2416
16	764.91	764.96	170	377	1490	700	2190
17	764.80	764.84	209	464	1620	920	2540
18	764.74	764.72	190	421	1570	707	2277
19	764.74	764.87	342	759	1550	772	2322
20	764.61	764.68	298	661	1700	1110	2810
21	764.52	764.58	191	424	1620	1110	2730
22	764.42	764.43	201	446	1580	1030	2610
23	764.30	764.35	185	410	1630	831	2461
24	764.20	764.17	166	368	1630	873	2503
25	764.18	764.29	406	901	1630	898	2528
26	764.08	764.10	389	863	1620	987	2607
27	763.97	764.04	259	575	1620	1170	2790
28	763.87	763.89	209	464	1620	1040	2660
29	763.79	763.79	266	590	1620	1030	2650
30	763.67	763.71	170	377	1640	848	2488
31	763.54	763.59	174	386	1670	867	2537

AVERAGE 302 670 1610 1050 2660

CHANGE IN STORAGE DURING THE MONTH

-3.02 B.C.F.

CHIEF ENGINEER

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

Monthly Report for: July, 2022

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	1649.97	1649.99	133	202	314	904
2	1649.97	1649.96	157	203	305	942
3	1649.93	1649.94	112	205	310	946
4	1649.86	1649.90	73	212	278	720
5	1649.81	1649.84	375	213	250	850
6	1649.81	1649.91	-66	212	279	853
7	1649.77	1649.79	143	212	316	1060
8	1649.73	1649.76	43	212	288	841
9	1649.66	1649.69	14	212	248	822
10	1649.58	1649.61	80	212	209	668
11	1649.48	1649.54	-52	212	180	572
12	1649.42	1649.42	168	212	163	652
13	1649.35	1649.40	58	212	156	505
14	1649.28	1649.33	-8	212	143	599
15	1649.17	1649.23	-74	212	128	376
16	1649.06	1649.11	-30	212	115	652
17	1648.96	1648.99	36	212	104	390
18	1648.93	1648.91	346	214	108	324
19	1648.94	1648.97	124	212	206	713
20	1648.88	1648.93	58	212	289	819
21	1648.83	1648.87	58	212	239	817
22	1648.76	1648.79	58	212	195	532
23	1648.67	1648.72	14	212	172	630
24	1648.60	1648.63	108	212	151	530
25	1648.60	1648.58	214	214	180	571
26	1648.55	1648.58	25	212	279	889
27	1648.46	1648.49	66	212	260	748
28	1648.39	1648.42	45	212	208	753
29	1648.34	1648.35	64	210	181	560
30	1648.24	1648.27	23	210	164	627
31	1648.14	1648.18	42	209	147	495

AVERAGE 78 211 212 689

CHANGE IN STORAGE DURING THE MONTH -0.357 B.C.F

CHIEF ENGINEER

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

Monthly Report for: July 2022

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	1678.44	1678.47	113	300	274	381	2330
2	1678.56	1678.41	956	300	365	584	1950
3	1678.62	1678.62	331	300	725	529	2480
4	1678.62	1678.63	238	300	428	518	3090
5	1678.61	1678.61	300	300	276	327	2540
6	1678.61	1678.61	327	358	363	441	2010
7	1678.56	1678.60	181	400	382	482	2180
8	1678.49	1678.53	213	400	291	486	2350
9	1678.42	1678.47	119	400	349	469	2190
10	1678.33	1678.38	119	400	269	473	1920
11	1678.24	1678.29	119	400	219	426	1820
12	1678.17	1678.20	244	400	246	439	1640
13	1678.11	1678.15	181	400	235	429	1670
14	1678.03	1678.08	90	400	207	390	1640
15	1677.93	1677.98	97	400	185	358	1540
16	1677.83	1677.88	127	400	174	389	1370
17	1677.73	1677.79	67	400	203	417	1350
18	1677.66	1677.68	279	400	196	384	1360
19	1677.62	1677.64	309	400	499	916	1920
20	1677.57	1677.61	127	400	485	867	2970
21	1677.48	1677.52	249	400	359	623	2740
22	1677.42	1677.47	127	400	319	569	2420
23	1677.33	1677.38	127	400	290	419	2030
24	1677.23	1677.29	37	400	253	436	1790
25	1677.30	1677.17	945	400	501	656	1650
26	1677.33	1677.35	279	400	779	779	3280
27	1677.28	1677.31	188	400	608	606	3450
28	1677.21	1677.24	218	400	341	469	2790
29	1677.13	1677.18	158	400	501	507	2150
30	1677.04	1677.10	127	400	311	504	2200
31	1676.96	1677.01	134	400	274	421	2130

AVERAGE

230

383

350

510

2160

CHANGE IN STORAGE DURING THE MONTH

-0.41 B.C.F.

 CHIEF ENGINEER

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

Monthly Report for: July, 2022

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1785.95	1785.95	5	0.00	0.08	5
2	1786.03	1785.94	5	0.00	0.08	5
3	1786.06	1786.05	5	0.00	0.08	5
4	1786.07	1786.06	5	0.00	0.08	5
5	1786.10	1786.07	8	0.08	0.08	8
6	1786.15	1786.13	18	0.25	0.25	18
7	1786.13	1786.15	30	0.25	0.25	30
8	1786.09	1786.11	30	0.25	0.25	30
9	1786.06	1786.08	30	0.25	0.25	30
10	1786.01	1786.03	30	0.25	0.25	30
11	1785.96	1785.99	30	0.25	0.25	30
12	1785.95	1785.94	29	0.25	0.25	29
13	1785.94	1785.95	29	0.25	0.25	29
14	1785.90	1785.92	17	0.08	0.08	17
15	1785.89	1785.89	10	0.08	0.08	10
16	1785.87	1785.87	10	0.08	0.08	10
17	1785.85	1785.86	10	0.08	0.08	10
18	1785.87	1785.84	6	0.00	0.04	6
19	1785.91	1785.90	3	0.00	0.04	3
20	1785.93	1785.92	3	0.00	0.04	3
21	1785.93	1785.91	3	0.00	0.04	3
22	1785.95	1785.95	3	0.00	0.04	3
23	1785.95	1785.95	3	0.00	0.04	3
24	1785.95	1785.95	3	0.00	0.04	3
25	1786.07	1785.96	3	0.00	0.04	3
26	1786.11	1786.10	3	0.00	0.04	3
27	1786.11	1786.11	10	0.08	0.17	10
28	1786.12	1786.11	15	0.08	0.17	15
29	1786.13	1786.14	15	0.08	0.17	15
30	1786.11	1786.12	15	0.08	0.17	15
31	1786.10	1786.10	15	0.08	0.17	15

AVERAGE 13 13

CHANGE IN STORAGE DURING THE MONTH 0.004 B.C.F

CHIEF ENGINEER

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

Monthly Report for: July, 2022

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1706.91	1706.93	-57	0.08	0.08	8
2	1707.00	1706.89	235	0.08	0.08	8
3	1707.02	1707.03	24	0.08	0.08	8
4	1707.03	1707.04	8	0.08	0.08	8
5	1707.07	1707.04	83	0.25	0.25	18
6	1707.10	1707.08	56	1.00	1.00	56
7	1707.04	1707.08	11	1.00	1.00	108
8	1706.99	1707.02	27	1.00	1.00	108
9	1706.94	1706.97	11	1.00	1.00	108
10	1706.88	1706.91	14	1.00	1.00	107
11	1706.83	1706.85	35	0.17	0.17	50
12	1706.84	1706.84	76	0.17	0.17	16
13	1706.89	1706.88	31	0.17	0.17	16
14	1706.89	1706.89	16	0.17	0.17	16
15	1706.88	1706.89	1	0.17	0.17	16
16	1706.88	1706.88	16	0.17	0.17	16
17	1706.88	1706.88	16	0.17	0.17	16
18	1706.91	1706.88	63	0.17	0.17	16
19	1706.95	1706.91	129	0.17	0.17	16
20	1706.97	1706.98	-16	0.17	0.17	16
21	1706.97	1706.96	97	0.17	0.17	16
22	1707.00	1707.01	0	0.17	0.17	16
23	1706.99	1707.00	16	0.17	0.17	16
24	1706.97	1707.00	0	0.17	0.17	16
25	1707.04	1706.99	162	0.17	0.17	16
26	1707.07	1707.08	0	0.17	0.17	16
27	1707.06	1707.07	22	0.67	0.67	54
28	1707.03	1707.05	101	0.67	0.67	85
29	1707.02	1707.06	4	0.67	0.67	85
30	1706.98	1707.01	20	0.67	0.67	85
31	1706.94	1706.97	19	0.67	0.67	84

AVERAGE 39 39

CHANGE IN STORAGE DURING THE MONTH 0.000 B.C.F

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
SACANDAGA RESERVOIR OPERATION
FOR WEEK ENDING: August 6, 2022

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 30	763.71	30.50	12 AM - Mid	1,640	848	2,488
Sunday 31	763.59	30.37	12 AM - Mid	1,670	867	2,537
Monday 1	763.46	30.23	12 AM - Mid	1,630	757	2,387
Tuesday 2	763.33	30.08	12 AM - Mid	1,630	655	2,285
Wednesday 3	763.21	29.95	12 AM - Mid	1,620	747	2,367
Thursday 4	763.07	29.80	12 AM - Mid	1,630	603	2,233
Friday 5	762.98	29.70	12 AM - Mid	1,620	703	2,323
Saturday 6	762.92	29.64	12 AM - Mid	1,620	569	2,189
CHANGE IN STORAGE DURING THE WEEK		-0.86	* 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	2021	767.33	34.51	6	2015	763.33	30.08
2	2017	764.93	31.84	7	2022	762.92	29.64
3	2014	764.80	31.69	8	2016	762.14	28.80
4	2013	764.80	31.69	9	2020	761.89	28.53
5	2019	763.36	30.12	10	2018	761.88	28.52

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 13, 2022

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	762.92	29.64	12 AM - Mid	1,620	569	2,189
Sunday 7	762.69	29.39	12 AM - Mid	1,610	672	2,282
Monday 8	762.63	29.33	12 AM - Mid	1,620	630	2,250
Tuesday 9	762.51	29.20	12 AM - Mid	1,630	548	2,178
Wednesday 10	762.38	29.06	12 AM - Mid	1,630	642	2,272
Thursday 11	762.27	28.94	12 AM - Mid	1,620	514	2,134
Friday 12	762.18	28.84	12 AM - Mid	1,610	652	2,262
Saturday 13	762.00	28.65	12 AM - Mid	1,600	509	2,109
CHANGE IN STORAGE DURING THE WEEK		-0.99	* 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	2021	765.34	32.29	6	2015	762.57	29.26
2	2017	764.30	31.14	7	2022	762.00	28.65
3	2014	764.12	30.94	8	2016	761.43	28.04
4	2013	764.08	30.90	9	2020	761.24	27.83
5	2019	762.66	29.36	10	2018	761.02	27.60

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 20, 2022

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	762.00	28.65	12 AM - Mid	1,600	509	2,109
Sunday 14	761.84	28.48	12 AM - Mid	1,620	600	2,220
Monday 15	761.69	28.31	12 AM - Mid	1,590	534	2,124
Tuesday 16	761.61	28.23	12 AM - Mid	1,600	425	2,025
Wednesday 17	761.41	28.01	12 AM - Mid	1,610	507	2,117
Thursday 18	761.42	28.03	12 AM - Mid	1,620	433	2,053
Friday 19	761.21	27.80	12 AM - Mid	1,620	525	2,145
Saturday 20	761.09	27.67	12 AM - Mid	1,810	401	2,211
CHANGE IN STORAGE DURING THE WEEK		-0.97	* 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	2021	765.18	32.11	6	2015	761.76	28.39
2	2017	763.66	30.44	7	2022	761.09	27.67
3	2014	763.61	30.39	8	2016	760.97	27.55
4	2013	763.39	30.15	9	2018	760.55	27.11
5	2019	762.44	29.12	10	2020	760.34	26.89

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 27, 2022

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	761.09	27.67	12 AM - Mid	1,810	401	2,211
Sunday 21	760.86	27.43	12 AM - Mid	1,620	484	2,104
Monday 22	760.79	27.36	12 AM - Mid	1,610	452	2,062
Tuesday 23	760.68	27.24	12 AM - Mid	1,630	390	2,020
Wednesday 24	760.57	27.13	12 AM - Mid	1,620	624	2,244
Thursday 25	760.45	27.00	12 AM - Mid	1,600	599	2,199
Friday 26	760.29	26.83	12 AM - Mid	1,550	742	2,292
Saturday 27	760.22	26.76	12 AM - Mid	1,600	639	2,239
CHANGE IN STORAGE DURING THE WEEK		-0.91	* 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	2021	765.66	32.64	6	2015	760.92	27.49
2	2014	763.31	30.06	7	2016	760.27	26.81
3	2017	762.99	29.71	8	2022	760.22	26.76
4	2013	762.56	29.25	9	2018	759.81	26.33
5	2019	762.37	29.04	10	2020	759.52	26.03

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: August 6, 2022

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 30	1,648.27	3.19	12 AM - Mid	208	164	627
31	1,648.18	3.17	12 AM - Mid	208	147	495
Monday 1	1,648.11	3.15	12 AM - Mid	208	132	384
Tuesday 2	1,648.01	3.14	12 AM - Mid	208	121	521
Wednesday 3	1,647.90	3.12	12 AM - Mid	208	114	354
Thursday 4	1,647.82	3.10	12 AM - Mid	208	107	488
Friday 5	1,647.72	3.09	12 AM - Mid	208	108	331
Saturday 6	1,647.65	3.07	12 AM - Mid	207	113	468
CHANGE IN STORAGE DURING THE WEEK		-0.11	* 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	1,648.32	3.19	6	2018	1,647.30	3.01
2	2022	1,647.65	3.07	7	2021	1,647.19	2.99
3	2020	1,647.63	3.07	8	2015	1,646.62	2.89
4	2013	1,647.58	3.06	9	2019	1,646.61	2.89
5	2017	1,647.39	3.03	10	2016	1,645.92	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 13, 2022

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	1,647.65	3.07	12 AM - Mid	207	113	468
Sunday 7	1,647.59	3.06	12 AM - Mid	206	109	419
Monday 8	1,647.53	3.05	12 AM - Mid	172	101	298
Tuesday 9	1,647.46	3.04	12 AM - Mid	155	113	434
Wednesday 10	1,647.36	3.02	12 AM - Mid	155	156	284
Thursday 11	1,647.28	3.01	12 AM - Mid	155	156	463
Friday 12	1,647.21	2.99	12 AM - Mid	155	144	293
Saturday 13	1,647.13	2.98	12 AM - Mid	155	130	431
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	2020	1,647.42	3.03	6	2018	1,646.92	2.94
2	2017	1,647.39	3.03	7	2013	1,646.86	2.93
3	2014	1,647.31	3.01	8	2019	1,646.41	2.85
4	2021	1,647.17	2.99	9	2015	1,646.09	2.80
5	2022	1,647.13	2.98	10	2016	1,645.32	2.67

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 20, 2022

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	1,647.13	2.98	12 AM - Mid	155	130	431
Sunday 14	1,647.06	2.97	12 AM - Mid	154	114	355
Monday 15	1,646.99	2.95	12 AM - Mid	152	103	235
Tuesday 16	1,646.93	2.94	12 AM - Mid	150	98	363
Wednesday 17	1,646.86	2.93	12 AM - Mid	150	89	234
Thursday 18	1,646.80	2.92	12 AM - Mid	150	77	364
Friday 19	1,646.73	2.91	12 AM - Mid	149	71	217
Saturday 20	1,646.65	2.89	12 AM - Mid	149	66	345
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	2021	1,650.02	3.52	6	2014	1,646.52	2.87
2	2017	1,647.02	2.96	7	2013	1,646.34	2.84
3	2020	1,646.99	2.95	8	2019	1,646.25	2.83
4	2018	1,646.77	2.92	9	2015	1,645.55	2.71
5	2022	1,646.65	2.89	10	2016	1,645.13	2.63

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 27, 2022

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	1,646.65	2.89	12 AM - Mid	149	66	345
Sunday 21	1,646.59	2.88	12 AM - Mid	149	62	302
Monday 22	1,646.56	2.88	12 AM - Mid	149	71	198
Tuesday 23	1,646.50	2.87	12 AM - Mid	149	77	369
Wednesday 24	1,646.60	2.88	12 AM - Mid	149	98	349
Thursday 25	1,646.56	2.88	12 AM - Mid	149	117	542
Friday 26	1,646.51	2.87	12 AM - Mid	149	123	377
Saturday 27	1,646.52	2.87	12 AM - Mid	149	149	601
CHANGE IN STORAGE DURING THE WEEK		-0.02	* 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	2021	1,649.31	3.38	6	2019	1,646.01	2.78
2	2017	1,646.77	2.92	7	2014	1,645.94	2.77
3	2020	1,646.53	2.87	8	2013	1,645.91	2.77
4	2022	1,646.52	2.87	9	2015	1,645.14	2.64
5	2018	1,646.45	2.86	10	2016	1,644.86	2.59

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: August 6, 2022

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 30	1,677.10	4.19	12 AM -Mid	400	504	2,200
Sunday 31	1,677.01	4.16	12 AM -Mid	400	421	2,130
Monday 1	1,676.92	4.14	12 AM -Mid	400	359	1,830
Tuesday 2	1,676.80	4.11	12 AM -Mid	400	417	1,530
Wednesday 3	1,676.72	4.09	12 AM -Mid	400	441	1,530
Thursday 4	1,676.63	4.07	12 AM -Mid	400	455	1,510
Friday 5	1,676.53	4.04	12 AM -Mid	400	412	1,350
Saturday 6	1,676.44	4.02	12 AM -Mid	400	428	1,300
CHANGE IN STORAGE DURING THE WEEK		-0.17				

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2022	1,676.44	4.02	6	2016	1,674.75	3.60
2	2021	1,676.25	3.97	7	2019	1,674.46	3.53
3	2014	1,675.48	3.78	8	2015	1,674.29	3.49
4	2013	1,675.27	3.72	9	2020	1,673.21	3.24
5	2017	1,674.89	3.63	10	2018	1,671.67	2.90

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 13, 2022**

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	1,676.44	4.02	12 AM -Mid	400	428	1,300
Sunday 7	1,676.33	3.99	12 AM -Mid	400	362	1,420
Monday 8	1,676.23	3.97	12 AM -Mid	400	386	1,270
Tuesday 9	1,676.18	3.95	12 AM -Mid	400	694	1,370
Wednesday 10	1,676.19	3.95	12 AM -Mid	400	652	1,820
Thursday 11	1,676.13	3.94	12 AM -Mid	458	508	1,910
Friday 12	1,676.08	3.92	12 AM -Mid	500	789	1,960
Saturday 13	1,675.99	3.90	12 AM -Mid	500	553	1,940
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	2021	1,676.07	3.92	6	2016	1,674.14	3.45
2	2022	1,675.99	3.90	7	2015	1,673.99	3.42
3	2014	1,674.38	3.51	8	2019	1,673.91	3.40
4	2013	1,674.34	3.50	9	2020	1,672.57	3.09
5	2017	1,674.21	3.47	10	2018	1,670.75	2.71

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 20, 2022](#)

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	1,675.99	3.90	12 AM -Mid	500	553	1,940
Sunday 14	1,675.88	3.88	12 AM -Mid	500	620	1,510
Monday 15	1,675.76	3.85	12 AM -Mid	500	508	1,450
Tuesday 16	1,675.63	3.81	12 AM -Mid	500	503	1,300
Wednesday 17	1,675.54	3.79	12 AM -Mid	500	519	1,180
Thursday 18	1,675.42	3.76	12 AM -Mid	500	520	1,320
Friday 19	1,675.28	3.73	12 AM -Mid	500	511	1,400
Saturday 20	1,675.15	3.70	12 AM -Mid	500	532	1,450
CHANGE IN STORAGE DURING THE WEEK		-0.21				

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2021	1,677.16	4.20	6	2013	1,673.41	3.28
2	2022	1,675.15	3.70	7	2019	1,673.37	3.28
3	2016	1,673.90	3.40	8	2014	1,673.30	3.26
4	2017	1,673.73	3.36	9	2020	1,671.67	2.90
5	2015	1,673.57	3.32	10	2018	1,670.27	2.61

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 27, 2022**

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	1,675.15	3.70	12 AM -Mid	500	532	1,450
Sunday 21	1,675.00	3.66	12 AM -Mid	500	511	1,480
Monday 22	1,674.93	3.64	12 AM -Mid	500	774	1,800
Tuesday 23	1,675.02	3.66	12 AM -Mid	500	795	3,290
Wednesday 24	1,675.11	3.68	12 AM -Mid	500	944	4,290
Thursday 25	1,675.22	3.71	12 AM -Mid	500	926	4,090
Friday 26	1,675.18	3.70	12 AM -Mid	558	768	3,230
Saturday 27	1,675.20	3.71	12 AM -Mid	600	737	300
CHANGE IN STORAGE DURING THE WEEK		0.01				

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2021	1,677.86	4.38	6	2014	1,673.00	3.19
2	2022	1,675.20	3.71	7	2019	1,672.83	3.15
3	2016	1,673.54	3.31	8	2013	1,672.68	3.12
4	2017	1,673.42	3.29	9	2020	1,670.62	2.68
5	2015	1,673.08	3.21	10	2018	1,669.81	2.52

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: August 6, 2022

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 30	1,707.01	0.927	85	1,786.12	0.306	15
Sunday 31	1,706.97	0.922	84	1,786.10	0.305	15
Monday 1	1,706.93	0.916	84	1,786.09	0.305	15
Tuesday 2	1,706.88	0.909	40	1,786.07	0.304	15
Wednesday 3	1,706.88	0.909	16	1,786.07	0.304	15
Thursday 4	1,706.88	0.909	16	1,786.05	0.304	15
Friday 5	1,706.87	0.907	16	1,786.04	0.303	15
Saturday 6	1,706.87	0.907	16	1,786.03	0.303	15
CHANGE IN STORAGE		-0.021			-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	2021	1,706.97	0.922	1	2022	1,786.03	0.303
2	2020	1,706.94	0.916	2	2021	1,785.94	0.300
3	2019	1,706.94	0.916	3	2019	1,785.93	0.300
4	2018	1,706.91	0.912	4	2020	1,785.83	0.297
5	2022	1,706.87	0.907	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

CHIEF ENGINEER

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

FOR WEEK ENDING: August 13, 2022

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	1,706.87	0.907	16	1,786.03	0.303	15
Sunday 7	1,706.86	0.905	16	1,786.02	0.303	15
Monday 8	1,706.86	0.905	16	1,786.00	0.302	12
Tuesday 9	1,706.87	0.907	16	1,786.01	0.302	10
Wednesday 10	1,706.90	0.912	16	1,786.05	0.304	10
Thursday 11	1,706.89	0.910	16	1,786.04	0.303	10
Friday 12	1,706.91	0.913	16	1,786.07	0.304	10
Saturday 13	1,706.89	0.910	16	1,786.05	0.304	10
CHANGE IN STORAGE		0.004			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	2021	1,707.03	0.929	1	2021	1,786.07	0.304
2	2019	1,706.99	0.924	2	2022	1,786.05	0.304
3	2020	1,706.90	0.910	3	2019	1,785.99	0.302
4	2022	1,706.89	0.910	4	2020	1,785.85	0.297
5	2018	1,706.86	0.905	5	2018	1,785.76	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 20, 2022

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	1,706.89	0.910	16	1,786.05	0.304	10
Sunday 14	1,706.87	0.907	16	1,786.03	0.303	10
Monday 15	1,706.86	0.905	16	1,786.02	0.303	10
Tuesday 16	1,706.85	0.904	16	1,786.00	0.302	10
Wednesday 17	1,706.86	0.905	16	1,786.03	0.303	10
Thursday 18	1,706.85	0.904	16	1,786.01	0.302	10
Friday 19	1,706.84	0.903	16	1,786.00	0.302	10
Saturday 20	1,706.83	0.901	16	1,785.98	0.301	10
CHANGE IN STORAGE		-0.009			-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	2021	1,707.58	1.006	1	2021	1,786.79	0.327
2	2019	1,707.05	0.931	2	2019	1,786.08	0.305
3	2018	1,706.98	0.923	3	2022	1,785.98	0.301
4	2020	1,706.86	0.905	4	2018	1,785.83	0.297
5	2022	1,706.83	0.901	5	2020	1,785.78	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 27, 2022

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	1,706.83	0.901	16	1,785.98	0.301	10
Sunday 21	1,706.82	0.900	16	1,785.97	0.301	10
Monday 22	1,706.82	0.900	16	1,785.96	0.301	10
Tuesday 23	1,706.87	0.907	16	1,785.97	0.301	10
Wednesday 24	1,706.92	0.915	16	1,785.98	0.301	10
Thursday 25	1,706.93	0.916	16	1,785.98	0.301	10
Friday 26	1,706.93	0.916	16	1,785.97	0.301	10
Saturday 27	1,706.99	0.924	16	1,786.01	0.302	10
CHANGE IN STORAGE		0.023			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	2022	1,706.99	0.924	1	2022	1,786.01	0.302
2	2018	1,706.99	0.924	2	2019	1,785.92	0.299
3	2021	1,706.98	0.923	3	2021	1,785.83	0.297
4	2020	1,706.89	0.909	4	2020	1,785.77	0.295
5	2019	1,706.88	0.908	5	2018	1,785.77	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

**Hudson River Area
Report of the Operations Manager
Sacandaga Field Office at Great Sacandaga Lake
July & August 2022**

Activity report for July & August 2022

SFO

- Performed lawn maintenance and general upkeep
- Cleaned offices and conference room weekly
- Placed 622 tons of rip rap stone in the Town of Day.
- Performed maintenance on vehicles and equipment
- Built and installed a new flagpole on the workboat
- Built a new sign for the Conklingville Dam Park
- Built four signs for the Permit Crew

Indian Lake

- Built and installed a new ramp for the dock
- Removed woody vegetation on the downstream face of the dam
- Installed a new transducer

Conklingville Dam

- Installed new hardware on two piezometer wells
- Performed lawn maintenance and general upkeep
- Performed maintenance on vehicles and equipment
- Completed the dow valve access system
- Removed woody vegetation on the spillway from a boat
- Assisted in an underwater camera survey around the valve outlet area
- Performed a monthly dow valve test
- Built and installed a new security gate on the spillway access bridge

Respectfully,

Matthew Ginter

Operations Manager

**Black River Area
Report of the Superintendent
Black River Field Office at the Stillwater Reservoir (BRFO)
July/August 2022**

- Road maintenance, raked, trimmed road sides
- Covid 19 regulation.
- Started work on new leech field at BRFO
- Mowing/trimming at facilities
- Worked with engineering staff to monitor seepage area at SL
- Periodic maintenance to mowing equipment
- Installed chamber and stone for SW South Weir
- Attended FERC inspection
- Worked with engineering staff on Gate #4 repair
- Took measurements along top of South Embankment
- Visited Hawkinsville Dam project
- Prepared facilities for FERC inspection
- Conducted Plant Operator interviews with Chief Engineer
- SW staff gauges and Stevens recorder moved to 1988 NAVD (corrected)
- Monitoring continues: piezometers, weirs, profile surveys, seepage sites.
- Misc. gate changes at Stillwater, O.F. & S.L.
- Daily readings Stillwater, O.F. & S.L.