

**REPORT OF CHIEF ENGINEER**  
**HUDSON RIVER - BLACK RIVER REGULATING DISTRICT**  
**BOARD MEETING**  
**NOVEMBER 13, 2018 – BALLSTON SPA, NEW YORK**

**HUDSON RIVER AREA - OCTOBER SUMMARY**

**Reservoir Operation**

Great Sacandaga Lake

The October 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 October 31 is 758.35 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,NGVD) <sup>(4)</sup>	Deviation (ft) (1)		Release (cfs)	
		From Average	From Offer of Settlement	Conklingville Dam	E.J. West (2) Hydro Plant
Sept. 30	759.32	+2.23	-1.81	0	1,320
Oct. 31	759.0 (e)	+3.2 (e)	+0.6 (e)	0	1,800 (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) "NGVD" is National Geodetic Vertical Datum

Indian Lake Reservoir

The October average daily release from Indian Lake was approximately 268 cfs.

Table 2.0 - *Indian Lake Reservoir Elevation and Release*

Date	Daily Average Elevation (1) (ft, NGVD)	Deviation (ft)		Release (cfs)
		From Average	From Target	
Sept. 30	1646.51	+2.18	+1.84	125
Oct. 31	1645.0 (e)	+0.6 (e)	+1.7 (e)	280 (e)

- Notes: (1) Local datum = NGVD elevation + 1617.91ft; spillway crest = 1651.29ft (33.38ft)  
(2) "(e)" represents estimated value

## HUDSON RIVER AREA - OCTOBER SUMMARY- continued

### River Flow

Hudson River flow, downstream of the confluence with the Sacandaga River, was approximately 3,300 cfs on October 21 and approximately 880 cfs below the historic average flow.

Table 3.0 - *Sacandaga, Indian, and Hudson River Flow*

<b>River</b>	<b>Monthly Average Flow (cfs)</b>	<b>Historic Average Flow (2) (cfs)</b>
<b>Sacandaga</b> at Hope	1,670 (e)	778
<b>Sacandaga</b> at Stewarts Bridge	1,570 (e)	1,950
<b>Indian</b> at Indian Lake Dam	268 (e)	267
<b>Hudson</b> at Hadley (1)	1,820 (e)	2,060

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

### Precipitation

Monthly total precipitation measured 68%, 63%, and 67% historic average at Indian Lake, Mayfield, and Conklingville, respectively, as of October 23

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

<b>Station</b>	<b>Monthly Total (inch)</b>	<b>Historic Average (inch)</b>
<b>Indian Lake</b>	2.94	4.33
<b>Mayfield</b>	2.45	3.87
<b>Conklingville</b>	2.39	3.56

## **HUDSON RIVER AREA - OCTOBER SUMMARY- continued**

### **Operation Overview**

Precipitation during the month of October was below normal across the Great Sacandaga Lake watershed and the Indian Lake watershed. The monthly inflow to Great Sacandaga Lake and Indian Lake reservoir was approximately 94% and 58% of historic average, respectively. Monthly release of water from Great Sacandaga Lake and Indian Lake measured 82% and 101% of historic average, respectively.

### **Great Sacandaga Lake Operation**

Great Sacandaga Lake operation summary report for the period October 1, 2018 through October 25, 2018 is attached. This report includes projected and forecast values for dates after October 25, 2018.

### **Hudson River Area Staff Activities**

Staff completed routine maintenance and operations activities during the month.

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

## BLACK RIVER AREA – OCTOBER SUMMARY

### Reservoir Operations

#### Stillwater Reservoir

The October average daily release from Stillwater Reservoir was approximately 224 cfs. The maximum discharge for the month was 300 cfs.

Table 1.0 - *Stillwater Reservoir Elevation and Release*

Date	Daily Average Elevation (ft, NGVD)	Deviation from Average Elevation (ft) (1)	Release (cfs)
Sept. 30	1665.39	-4.19	300
Oct. 31	1666.0 (e)	-3.0 (e)	200 (e)

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

#### Sixth Lake Reservoir

The October average daily release from Sixth Lake Reservoir was approximately 38 cfs.

Table 2.0 - *Sixth Lake Reservoir Elevation and Release*

Date	Elevation (1) (ft, NGVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
Sept. 30	1785.56	+0.50	5
Oct. 31	1784.4 (e)	+0.4 (e)	27 (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 October average daily release from Old Forge Reservoir was approximately 119 cfs.

Table 3.0 - *Old Forge Reservoir Elevation and Release*

Date	Elevation (1) (ft, NGVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
Sept. 30	1706.85	+0.29	51
Oct. 31	1705.7 (e)	+0.2 (e)	80 (e)

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

## BLACK RIVER AREA - OCTOBER SUMMARY - continued

### River Flow

The average daily Black River flow, as measured at the Watertown gauge, was approximately 2,380 cfs on October 21.

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

<b>River</b>	<b>Monthly Average Flow (cfs)</b>	<b>Historic Average Flow (1) (cfs)</b>
<b>Moose</b> at McKeever	690 (e)	681
<b>Beaver</b> at Croghan	440 (e)	530
<b>Black</b> at Watertown	3,040 (e)	3,340

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

### Precipitation

Monthly total precipitation measured 97%, 92%, 97% of historic average at Stillwater, Old Forge, and Sixth Lake, respectively, as of October 23.

Table 5.0 - *Black River Basin Precipitation - as of October 23*

<b>Station</b>	<b>Monthly Total (inch)</b>	<b>Historic Average (inch)</b>
<b>Stillwater</b>	5.17	5.34
<b>Old Forge</b>	4.82	5.24
<b>Sixth Lake</b>	4.45	4.58

## **BLACK RIVER AREA - OCTOBER SUMMARY - continued**

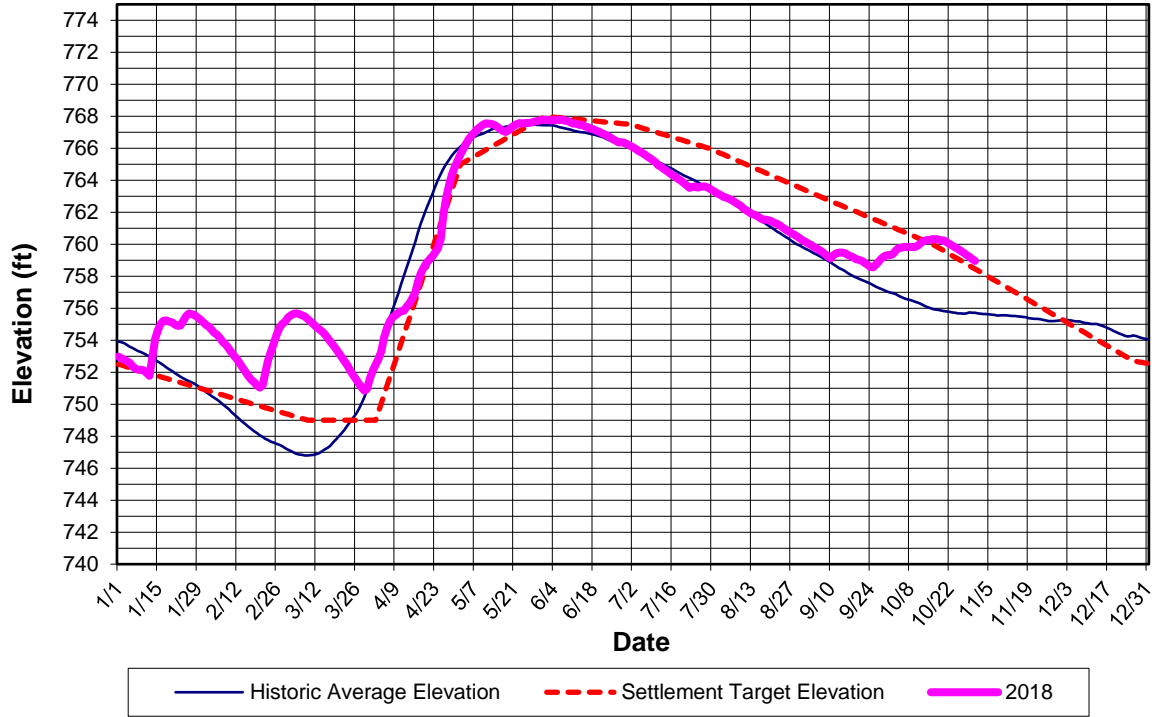
### **Operation Overview**

Precipitation in the month of October was below average at Stillwater and Old Forge Reservoir and below average at Sixth Lake Reservoir. The monthly inflow to Stillwater Reservoir was approximately 74% of historic average. The inflow to Sixth Lake and Old Forge Reservoir totaled 0.06 and 0.18 billion cubic feet, respectively, in October. Release of water from Stillwater Reservoir averaged 69% of historic discharge.

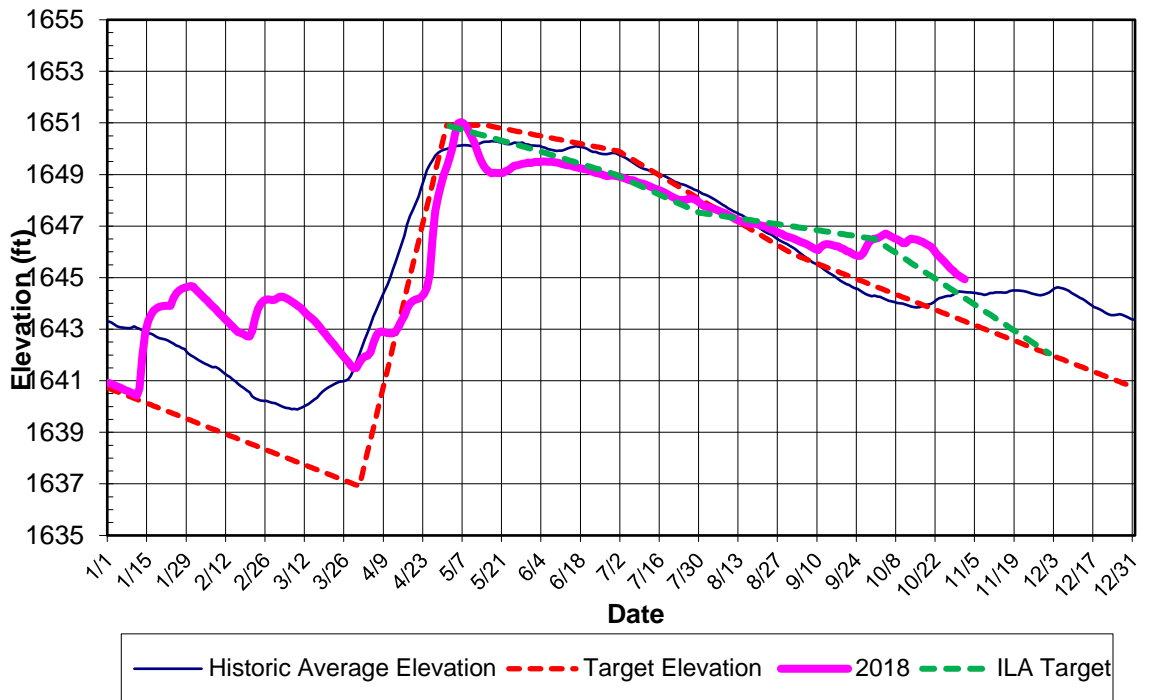
### **Black River Area Staff Activities**

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

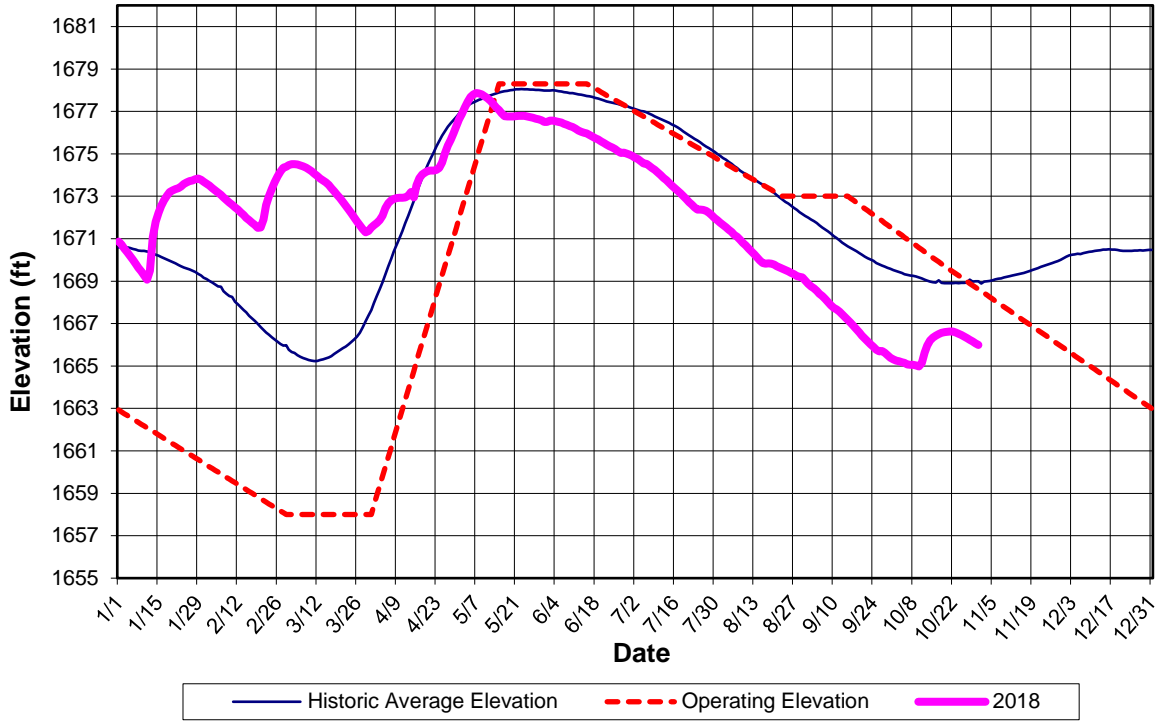
### Great Sacandaga Lake 2018 Reservoir Elevation



### Indian Lake 2018 Reservoir Elevation

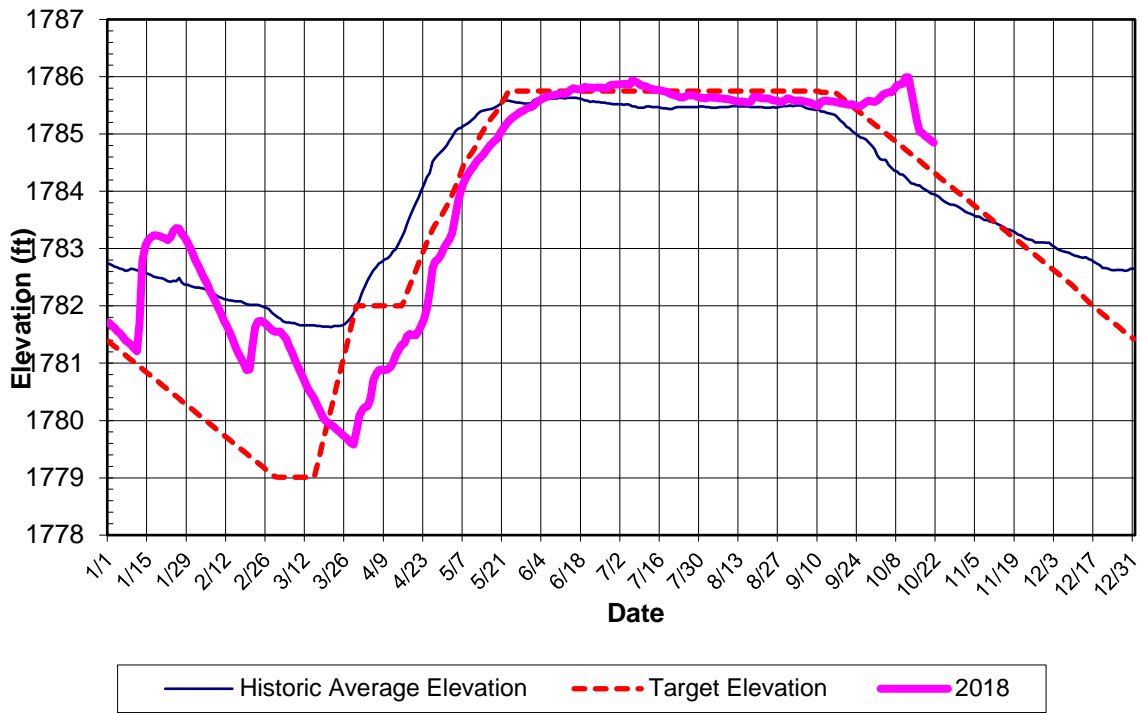


## Stillwater Reservoir 2018 Reservoir Elevation

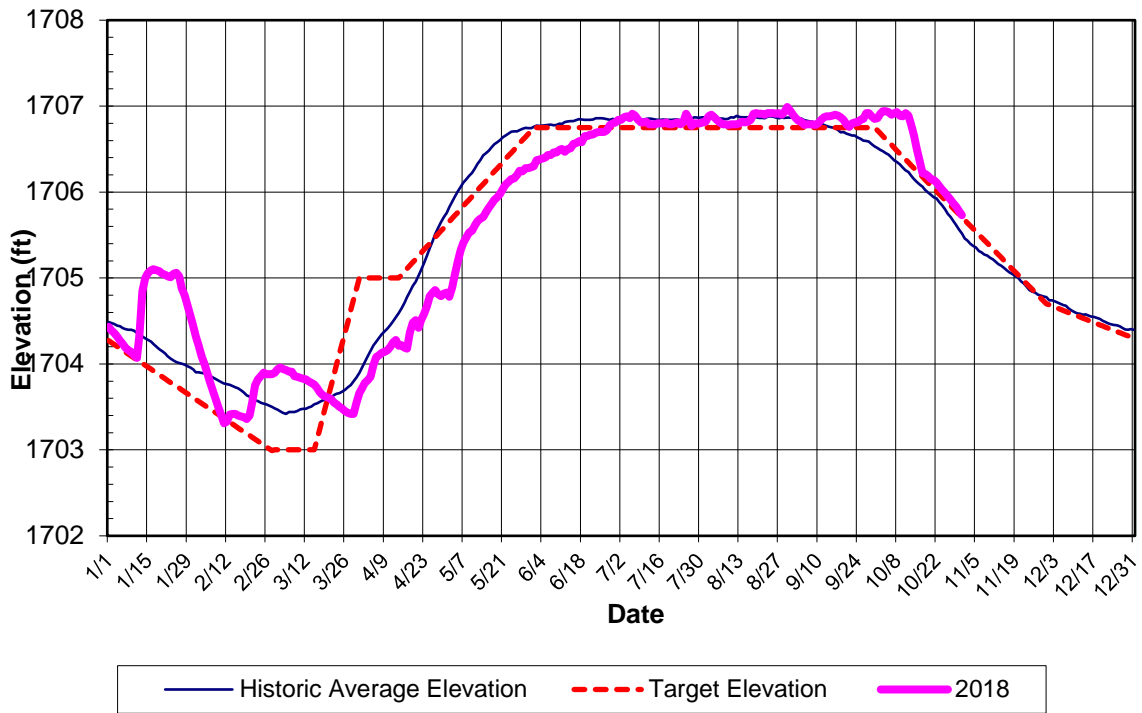




### Sixth Lake 2018 Reservoir Elevation



### Old Forge 2018 Reservoir Elevation



**SACANDAGA RESERVOIR ELEVATION CALCULATOR**

**BROOKFIELD HYDRO CONTROL CENTER: 877-816-7466**

**Justin St. John** 518-743-2004 (w)  
 315-396-8194 (cell)  
**Scott Curtis** 315-413-2848

Settlement Parameters		
Date	10/26/2018	
Target Elevation	759.71	
Actual "Level"	3.02	
"Level 2.5 threshold"	0.00	
"Level 1.2 threshold"	743.10	
<b>Hudson River Target</b>	Elevation	Level
Maximum Flow (cfs)	8000	7540
Minimum Flow (cfs)	n/a	2040
Min. Rec/Rafting Hours (hrs)	#VALUE!	

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	10/26/2018
Day of Year	4317
Starting Elevation (ft)	759.75
Average Elevation	759.71
Flow Below Hadley (cfs)	3000
Today's Release	1800
Tomorrow's Release	1800

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

Rafting Release at Abanakee  
 North Crk T, Th, Sa., Su.  
 Hadley M, W, F, Su.

Starting Date 12:00 AM	Starting Elevation	Net Average Inflow	Sacandaga River Flow			Maximum Release (Table F - Elev.)	Settlement Level	Hudson at Hadley	Hudson River Below Confluence	Hudson River Target Flow			Ending Elevation	Ending Date 12:00 AM	Daily Average Elevation	Settlement Target Elevation	Historic Daily Average Elev.	
			E.J. West Valves	Spillway	Average Release					Minimum (Table C - Level)	Maximum (Table D - Elev.)	Maximum (Table E - Level)						
10/1/2018	759.31	1500	1330	0	0	1330	4000	2.53	1330	2660	1774	8000	7500	759.32	10/2/2018	759.32	761.05	756.92
10/2/2018	759.32	3600	1330	0	0	1330	4000	2.54	1310	2640	1779	8000	7500	759.51	10/3/2018	759.42	760.98	756.85
10/3/2018	759.51	3700	1330	0	0	1330	4000	2.54	1880	3210	1779	8000	7500	759.70	10/4/2018	759.61	760.90	756.80
10/4/2018	759.70	2300	1330	0	0	1330	4000	2.53	2170	3500	1774	8000	7500	759.78	10/5/2018	759.74	760.83	756.74
10/5/2018	759.78	1800	1310	0	0	1310	4000	2.53	2550	3860	1774	8000	7500	759.82	10/6/2018	759.80	760.75	756.65
10/6/2018	759.82	1600	1360	0	0	1360	4000	2.53	2210	3570	1774	8000	7500	759.84	10/7/2018	759.83	760.68	756.55
10/7/2018	759.84	1200	1330	0	0	1330	4000	2.53	2100	3430	1774	8000	7500	759.82	10/8/2018	759.83	760.60	756.47
10/8/2018	759.82	1500	1370	0	0	1370	4000	2.70	1930	3300	1856	8000	7500	759.83	10/9/2018	759.83	760.53	756.42
10/9/2018	759.83	1500	1290	0	0	1290	4000	2.80	1770	3060	1904	8000	7500	759.84	10/10/2018	759.84	760.45	756.37
10/10/2018	759.84	1200	1310	0	0	1310	4000	2.88	1610	2920	1942	8000	7500	759.83	10/11/2018	759.84	760.38	756.31
10/11/2018	759.83	3700	1310	0	0	1310	4000	2.92	1700	3010	1962	8000	7500	760.03	10/12/2018	759.93	760.30	756.26
10/12/2018	760.03	3000	1390	0	0	1390	4000	2.98	2310	3700	1990	8000	7500	760.16	10/13/2018	760.10	760.23	756.20
10/13/2018	760.16	2200	1440	0	0	1440	4000	3.00	3390	4830	2000	8000	7500	760.22	10/14/2018	760.19	760.15	756.11
10/14/2018	760.22	1900	1440	0	0	1440	4000	3.01	3200	4640	2020	8000	7520	760.25	10/15/2018	760.24	760.08	756.02
10/15/2018	760.25	2600	1500	0	0	1500	4000	3.02	2640	4140	2040	8000	7540	760.34	10/16/2018	760.30	760.00	755.93
10/16/2018	760.34	800	1540	0	0	1540	4000	3.03	2220	3760	2060	8000	7560	760.27	10/17/2018	760.31	759.90	755.87
10/17/2018	760.27	2200	1770	0	0	1770	4000	3.04	2000	3770	2080	8000	7580	760.30	10/18/2018	760.29	759.79	755.82
10/18/2018	760.30	1300	1710	0	0	1710	4000	3.04	1850	3560	2080	8000	7580	760.26	10/19/2018	760.28	759.69	755.78
10/19/2018	760.26	1100	1770	0	0	1770	4000	3.05	1770	3540	2100	8000	7600	760.20	10/20/2018	760.23	759.59	755.75
10/20/2018	760.20	700	1710	0	0	1710	4000	3.05	1690	3400	2100	8000	7600	760.11	10/21/2018	760.16	759.49	755.71
10/21/2018	760.11	1100	1740	0	0	1740	4000	3.05	1590	3330	2100	8000	7600	760.05	10/22/2018	760.08	759.38	755.65
10/22/2018	760.05	800	1760	0	0	1760	4000	3.05	1490	3250	2100	8000	7600	759.97	10/23/2018	760.01	759.28	755.62
10/23/2018	759.97	1000	1780	0	0	1780	4000	3.05	1370	3150	2100	8000	7600	759.90	10/24/2018	759.94	759.18	755.60
10/24/2018	759.90	1100	1760	0	0	1760	4000	3.05	1400	3160	2100	8000	7600	759.84	10/25/2018	759.87	759.07	755.56
10/25/2018	759.84	800	1800	0	0	1800	4000	3.05	1340	3140	2100	8000	7600	759.75	10/26/2018	759.80	758.97	755.53
10/26/2018	759.75	800	1800	0	0	1800	4000	3.05	1200	3000	2100	8000	7600	759.66	10/27/2018	759.71	758.87	755.51
10/27/2018	759.66	500	1800	0	0	1800	4000	3.04	1100	2900	2080	8000	7580	759.55	10/28/2018	759.61	758.77	755.51
10/28/2018	759.55	300	1800	0	0	1800	4000	3.04	1000	2800	2080	8000	7580	759.42	10/29/2018	759.49	758.66	755.50
10/29/2018	759.42	200	1800	0	0	1800	4000	3.04	900	2700	2080	8000	7580	759.28	10/30/2018	759.35	758.56	755.53
10/30/2018	759.28	100	1800	0	0	1800	4000	3.04	800	2600	2080	8000	7580	759.13	10/31/2018	759.21	758.46	755.58
10/31/2018	759.13	100	1800	0	0	1800	4000	3.04	700	2500	2080	8000	7580	758.98	11/1/2018	759.06	758.35	755.56
11/1/2018	758.98	100	1800	0	0	1800	4000	3.04	600	2400	2080	22300	7580	771.17	8/2/2018		765.62	755.55
6/1/2018	769.00	500	1300	0	0	1300	6267	3.00	1500	2800	2000	8000	7500	759.24	11/1/2018		758.25	755.55

500

Signature: \_\_\_\_\_

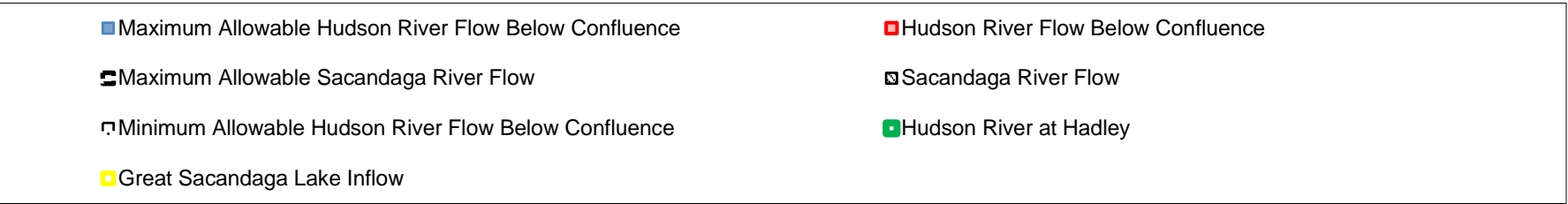
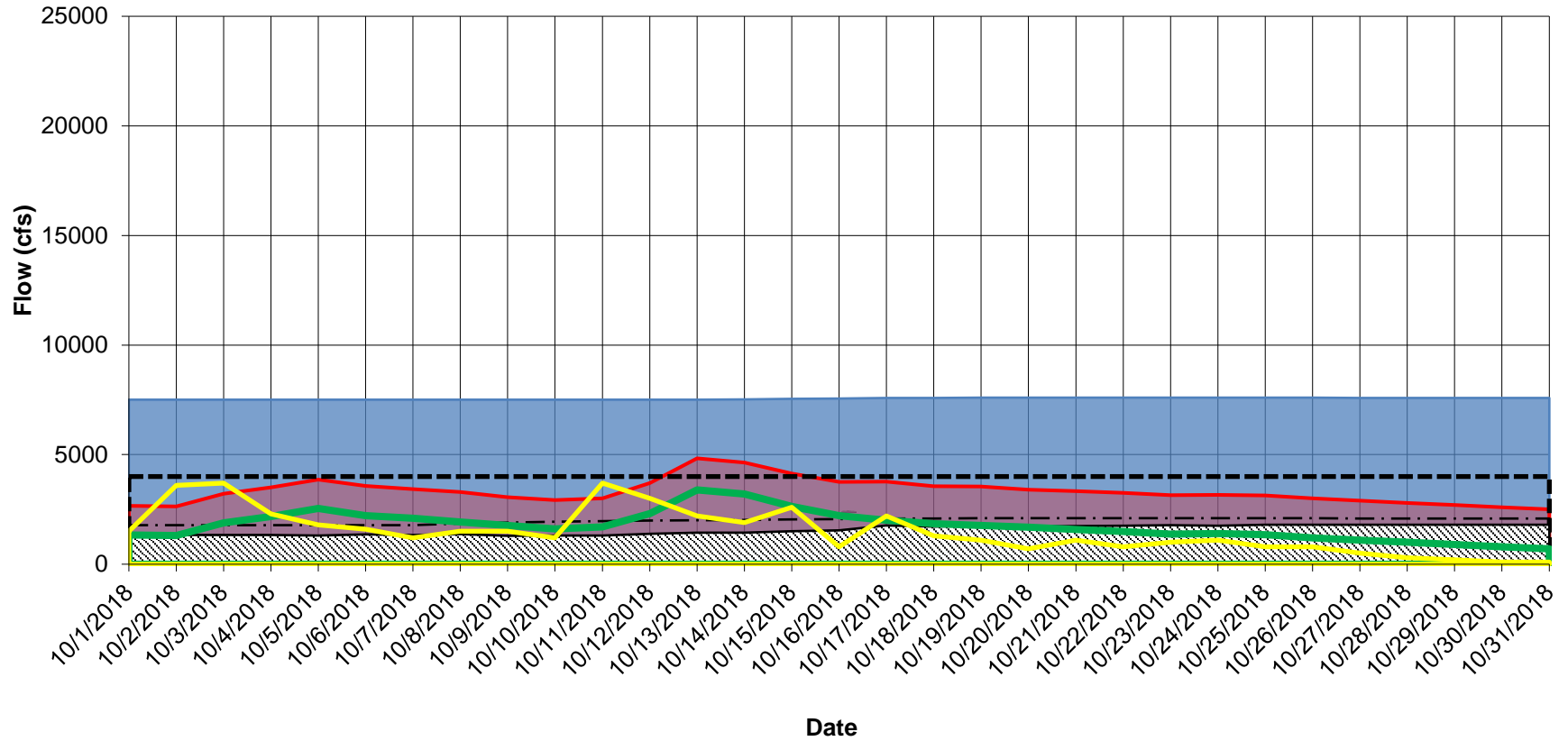
Date: \_\_\_\_\_

**GREAT SACANDAGA LAKE  
RESERVOIR OPERATION SUMMARY**

Print Date: 10/26/2018  
 Period of Record: 10/1/2018 to 10/29/2018

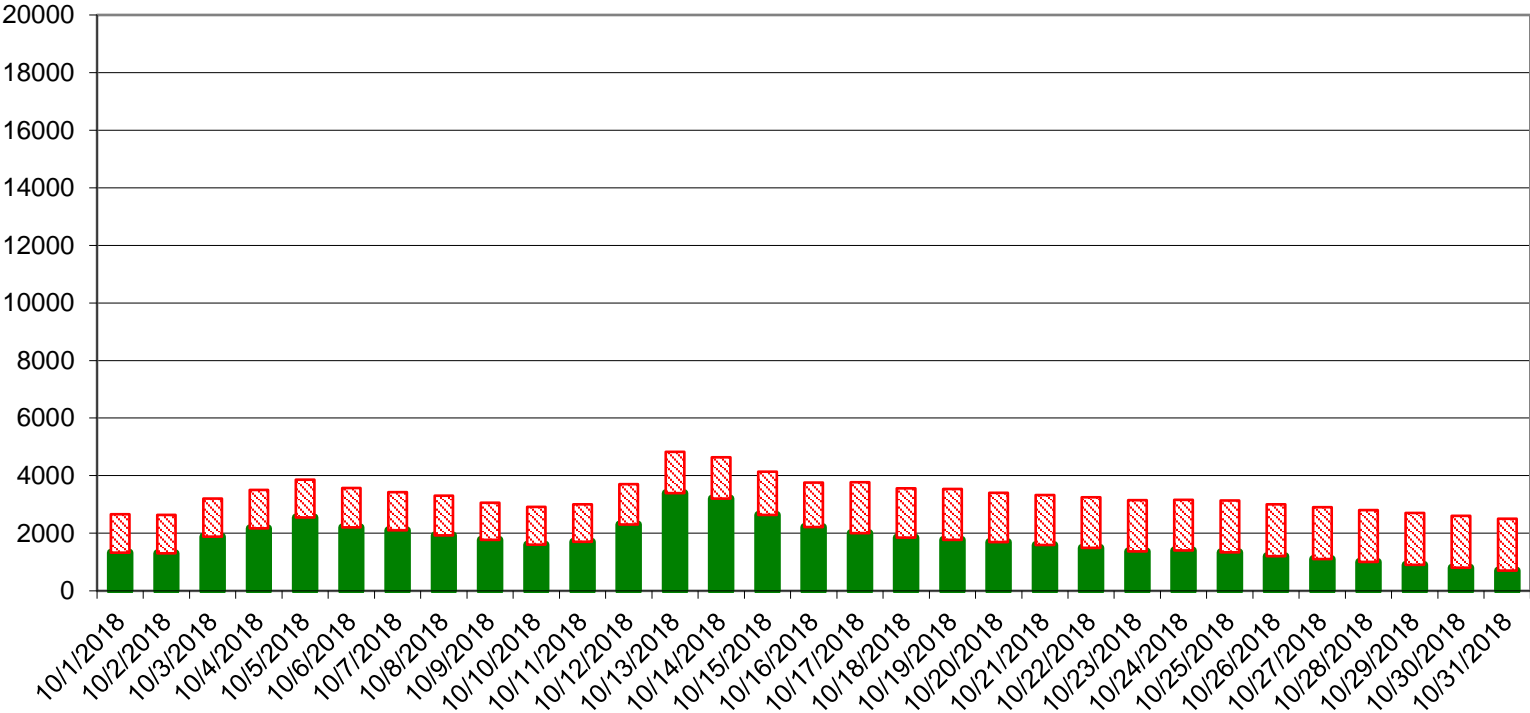
Starting Date 12:00 AM	Daily Avg. Elevation	Net Average Inflow	Sacandaga River Flow Average Release      Maximum (Table F - Elev.)		Settlement Level	Hudson at Hadley	Hudson River Below Confluence	Hudson River Target Flow Minimum (Table B - Level)      Maximum (Table D & E)		Maximum Allowable Sacandaga
10/1/2018	759.32	1500	1330	4000	2.53	1330	2660	1774	7500	4000
10/2/2018	759.42	3600	1330	4000	2.54	1310	2640	1779	7500	4000
10/3/2018	759.61	3700	1330	4000	2.54	1880	3210	1779	7500	4000
10/4/2018	759.74	2300	1330	4000	2.53	2170	3500	1774	7500	4000
10/5/2018	759.80	1800	1310	4000	2.53	2550	3860	1774	7500	4000
10/6/2018	759.83	1600	1360	4000	2.53	2210	3570	1774	7500	4000
10/7/2018	759.83	1200	1330	4000	2.53	2100	3430	1774	7500	4000
10/8/2018	759.83	1500	1370	4000	2.70	1930	3300	1856	7500	4000
10/9/2018	759.84	1500	1290	4000	2.80	1770	3060	1904	7500	4000
10/10/2018	759.84	1200	1310	4000	2.88	1610	2920	1942	7500	4000
10/11/2018	759.93	3700	1310	4000	2.92	1700	3010	1962	7500	4000
10/12/2018	760.10	3000	1390	4000	2.98	2310	3700	1990	7500	4000
10/13/2018	760.19	2200	1440	4000	3.00	3390	4830	2000	7500	4000
10/14/2018	760.24	1900	1440	4000	3.01	3200	4640	2020	7520	4000
10/15/2018	760.30	2600	1500	4000	3.02	2640	4140	2040	7540	4000
10/16/2018	760.31	800	1540	4000	3.03	2220	3760	2060	7560	4000
10/17/2018	760.29	2200	1770	4000	3.04	2000	3770	2080	7580	4000
10/18/2018	760.28	1300	1710	4000	3.04	1850	3560	2080	7580	4000
10/19/2018	760.23	1100	1770	4000	3.05	1770	3540	2100	7600	4000
10/20/2018	760.16	700	1710	4000	3.05	1690	3400	2100	7600	4000
10/21/2018	760.08	1100	1740	4000	3.05	1590	3330	2100	7600	4000
10/22/2018	760.01	800	1760	4000	3.05	1490	3250	2100	7600	4000
10/23/2018	759.94	1000	1780	4000	3.05	1370	3150	2100	7600	4000
10/24/2018	759.87	1100	1760	4000	3.05	1400	3160	2100	7600	4000
10/25/2018	759.80	800	1800	4000	3.05	1340	3140	2100	7600	4000
10/26/2018	759.71	800	1800	4000	3.05	1200	3000	2100	7600	4000
10/27/2018	759.61	500	1800	4000	3.04	1100	2900	2080	7580	4000
10/28/2018	759.49	300	1800	4000	3.04	1000	2800	2080	7580	4000
10/29/2018	759.35	200	1800	4000	3.04	900	2700	2080	7580	4000
10/30/2018	759.21	100	1800	4000	3.04	800	2600	2080	7580	4000
10/31/2018	759.06	100	1800	4000	3.04	700	2500	2080	7580	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: September 2018

Day	Sacandaga Reservoir Elevation Average Daily	Sacandaga Reservoir Elevation Midnight	Sacandaga River Near Hope cfs	Reservoir Inflow Hope x 2.3870 cfs	Sacandaga River at Stewarts Bridge cfs	Hudson River at Hadley cfs	Regulated Hudson River below confluence cfs
1	760.15	760.18	124	296	1500	407	1907
2	760.04	760.08	119	284	1500	473	1973
3	759.96	759.96	117	279	1490	471	1961
4	759.83	759.93	114	272	1510	421	1931
5	759.73	759.73	103	246	1490	408	1898
6	759.64	759.67	103	246	1490	428	1918
7	759.52	759.54	115	275	1490	379	1869
8	759.36	759.41	98	234	1490	300	1790
9	759.21	759.22	85	203	1480	296	1776
10	759.12	759.14	94	224	1510	376	1886
11	759.32	759.12	1060	2530	1530	568	2098
12	759.44	759.38	851	2031	1500	1060	2560
13	759.47	759.43	531	1267	874	1020	1894
14	759.48	759.46	431	1029	940	955	1895
15	759.43	759.47	360	859	1490	754	2244
16	759.34	759.39	303	723	1490	736	2226
17	759.26	759.30	285	680	1870	663	2533
18	759.17	759.15	324	773	1940	641	2581
19	759.06	759.07	317	757	1310	805	2115
20	759.01	759.01	252	602	1180	480	1660
21	758.96	758.98	221	528	1490	491	1981
22	758.84	758.90	238	568	1520	440	1960
23	758.72	758.73	222	530	1470	519	1989
24	758.57	758.62	199	475	1490	535	2025
25	758.55	758.52	392	936	1490	500	1990
26	758.73	758.61	1440	3437	1470	746	2216
27	758.94	758.77	1890	4511	1480	934	2414
28	759.12	758.01	1500	3581	1490	1530	3020
29	759.26	759.17	1390	3318	1310	1820	3130
30	759.32	759.33	1200	2864	1320	1560	2880

AVERAGE	483	1152	1450	690	2140
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CHANGE IN STORAGE DURING THE MONTH -0.82 B.C.F.

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CHIEF ENGINEER

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

Monthly Report for: September, 2018

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	1646.52	1646.57	-26	131	42	273
2	1646.47	1646.49	32	130	42	242
3	1646.43	1646.44	109	129	42	232
4	1646.38	1646.43	-9	129	41	251
5	1646.34	1646.36	31	129	41	239
6	1646.29	1646.31	31	129	45	248
7	1646.23	1646.26	-9	129	50	150
8	1646.17	1646.19	31	129	43	215
9	1646.10	1646.14	11	129	38	218
10	1646.06	1646.08	168	129	34	146
11	1646.20	1646.10	426	131	109	539
12	1646.28	1646.25	227	129	207	712
13	1646.30	1646.30	129	129	201	637
14	1646.29	1646.30	90	129	161	458
15	1646.27	1646.28	90	129	132	450
16	1646.23	1646.26	-87	129	112	392
17	1646.21	1646.15	69	128	96	284
18	1646.15	1646.12	88	127	85	510
19	1646.11	1646.10	107	127	75	189
20	1646.03	1646.09	-50	127	66	262
21	1646.00	1646.00	186	127	63	175
22	1645.93	1646.03	-129	127	71	307
23	1645.88	1645.90	48	127	84	315
24	1645.84	1645.86	68	127	80	217
25	1645.84	1645.83	186	127	75	336
26	1645.95	1645.86	522	128	139	437
27	1646.18	1646.06	597	125	572	776
28	1646.36	1646.30	382	126	617	1400
29	1646.46	1646.43	204	125	393	1270
30	1646.51	1646.47	164	125	275	912

AVERAGE	123	128	134	426
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CHANGE IN STORAGE DURING THE MONTH -0.014 B.C.F

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 CHIEF ENGINEER

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

Monthly Report for: September 2018

Day	Stillwater Reservoir Elevation Average Daily	Stillwater Reservoir Elevation Midnight	Stillwater Reservoir Net Inflow cfs	Stillwater Reservoir Release cfs	Black River at Boonville cfs	Beaver River at Croghan cfs	Regulated Black River at Watertown cfs
1	1668.88	1668.95	32	300	239	305	1260
2	1668.76	1668.81	128	300	196	291	1250
3	1668.66	1668.72	70	300	203	312	1190
4	1668.54	1668.60	70	300	228	324	1210
5	1668.41	1668.48	32	300	207	285	1260
6	1668.30	1668.34	109	300	183	286	1190
7	1668.16	1668.24	32	300	175	430	1130
8	1668.02	1668.10	13	300	154	403	1140
9	1667.87	1667.95	13	300	139	326	1040
10	1667.75	1667.80	147	300	159	310	966
11	1667.67	1667.72	109	300	749	457	991
12	1667.56	1667.62	90	300	927	502	1940
13	1667.44	1667.51	51	300	529	358	2330
14	1667.31	1667.38	32	300	302	326	2040
15	1667.17	1667.24	32	300	227	344	1400
16	1667.03	1667.10	32	300	195	392	1280
17	1666.88	1666.96	13	300	177	372	1230
18	1666.73	1666.81	32	300	261	310	1140
19	1666.58	1666.67	-6	300	116	345	1030
20	1666.43	1666.51	-6	300	142	433	1030
21	1666.29	1666.35	13	300	157	513	1160
22	1666.16	1666.20	128	300	191	503	1200
23	1666.03	1666.11	51	300	193	280	1210
24	1665.90	1665.98	51	300	173	277	1060
25	1665.77	1665.85	-6	300	239	286	1040
26	1665.69	1665.69	357	300	658	405	1100
27	1665.70	1665.72	185	300	1060	549	2200
28	1665.63	1665.66	109	300	841	514	3380
29	1665.51	1665.56	109	300	572	587	3220
30	1665.39	1665.46	51	300	391	446	2590

AVERAGE 69 300 330 380 1470

CHANGE IN STORAGE DURING THE MONTH -0.60 B.C.F.

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 CHIEF ENGINEER



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

Monthly Report for: September, 2018

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1785.59	1785.60	-2	0.00	0.08	5
2	1785.58	1785.58	5	0.00	0.08	5
3	1785.58	1785.58	5	0.00	0.08	5
4	1785.58	1785.58	1	0.00	0.08	5
5	1785.57	1785.57	1	0.00	0.08	5
6	1785.56	1785.56	5	0.00	0.08	5
7	1785.55	1785.56	-2	0.00	0.08	5
8	1785.53	1785.54	-6	0.00	0.08	5
9	1785.50	1785.51	-6	0.00	0.08	5
10	1785.49	1785.48	35	0.00	0.08	5
11	1785.56	1785.56	9	0.00	0.08	5
12	1785.58	1785.57	9	0.00	0.08	5
13	1785.58	1785.58	5	0.00	0.08	5
14	1785.57	1785.58	1	0.00	0.08	5
15	1785.57	1785.57	1	0.00	0.08	5
16	1785.56	1785.56	5	0.00	0.08	5
17	1785.55	1785.56	1	0.00	0.08	5
18	1785.54	1785.55	1	0.00	0.08	5
19	1785.53	1785.54	1	0.00	0.08	5
20	1785.52	1785.53	-2	0.00	0.08	5
21	1785.51	1785.51	9	0.00	0.08	5
22	1785.52	1785.52	1	0.00	0.08	5
23	1785.50	1785.51	-2	0.00	0.08	5
24	1785.48	1785.49	-6	0.00	0.08	5
25	1785.49	1785.46	16	0.00	0.08	5
26	1785.52	1785.49	31	0.00	0.08	5
27	1785.56	1785.56	9	0.00	0.08	5
28	1785.58	1785.57	5	0.00	0.08	5
29	1785.57	1785.57	5	0.00	0.08	5
30	1785.56	1785.57	1	0.00	0.08	5

AVERAGE 5 5

CHANGE IN STORAGE DURING THE MONTH -0.001 B.C.F

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 CHIEF ENGINEER

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

Monthly Report for: September, 2018

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1706.90	1706.92	-26	0.58	0.58	69
2	1706.86	1706.86	69	0.58	0.58	69
3	1706.83	1706.86	20	0.58	0.58	69
4	1706.82	1706.83	19	0.58	0.58	68
5	1706.78	1706.80	-19	0.00	0.08	26
6	1706.79	1706.77	65	0.00	0.08	4
7	1706.79	1706.81	-27	0.00	0.08	4
8	1706.79	1706.79	-26	0.00	0.08	4
9	1706.78	1706.77	4	0.00	0.08	4
10	1706.80	1706.77	130	0.00	0.08	4
11	1706.84	1706.85	4	0.00	0.08	4
12	1706.87	1706.85	36	0.00	0.08	4
13	1706.88	1706.87	20	0.00	0.08	4
14	1706.88	1706.88	20	0.00	0.08	4
15	1706.89	1706.89	20	0.00	0.08	4
16	1706.90	1706.90	4	0.00	0.08	4
17	1706.89	1706.90	3	0.50	0.50	20
18	1706.87	1706.89	2	0.50	0.50	51
19	1706.84	1706.86	-14	0.50	0.50	51
20	1706.79	1706.82	-11	0.50	0.50	51
21	1706.76	1706.78	50	0.50	0.50	35
22	1706.80	1706.79	35	0.00	0.08	4
23	1706.81	1706.81	4	0.00	0.08	4
24	1706.81	1706.81	20	0.00	0.08	4
25	1706.84	1706.82	20	0.00	0.08	4
26	1706.85	1706.83	117	0.00	0.08	4
27	1706.92	1706.90	34	0.00	0.08	4
28	1706.92	1706.92	20	0.50	0.50	35
29	1706.88	1706.91	-13	0.50	0.50	51
30	1706.85	1706.87	-14	0.50	0.50	51

AVERAGE 19 24

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

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 CHIEF ENGINEER

STATE OF NEW YORK  
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
**SACANDAGA RESERVOIR OPERATION**  
FOR WEEK ENDING: October 6, 2018

DATE	SACANDAGA RESERVOIR			HUDSON RIVER FLOW		
	WATER SURFACE ELEV. 12 A.M.	TOTAL STORAGE B.C.F. <sup>(1)</sup>	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	HADLEY AVG. DAILY C.F.S.	SPIER FALLS AVG. DAILY C.F.S.
Saturday 29	759.17	24.76	12 AM - Mid	1,310	1,820	3,130
Sunday 30	759.33	24.92	12 AM - Mid	1,320	1,560	2,880
Monday 1	759.39	24.99	12 AM - Mid	1,330	1,330	2,660
Tuesday 2	759.29	24.88	12 AM - Mid	1,330	1,310	2,640
Wednesday 3	759.53	25.13	12 AM - Mid	1,330	1,880	3,210
Thursday 4	759.70	25.31	12 AM - Mid	1,330	2,170	3,500
Friday 5	759.83	25.44	12 AM - Mid	1,310	2,550	3,860
Saturday 6	759.87	25.48	12 AM - Mid	1,360	2,210	3,570

CHANGE IN STORAGE DURING THE WEEK	0.72	* 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	2011	767.13	33.30	6	2018	759.87	25.48
2	2010	764.55	30.45	7	2013	759.78	25.39
3	2009	760.87	26.52	8	2012	759.22	24.81
4	2017	760.52	26.16	9	2015	758.77	24.35
5	2014	760.17	25.79	10	2016	756.42	22.00

CAPACITY AT SPILLWAY CREST (EL 771) 37.72 B.C.F.  
CAPACITY AT LOW FLOW LINE (EL 735) 4.60 B.C.F.

(1) Includes dead storage below El. 735 ft.

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CHIEF ENGINEER

STATE OF NEW YORK  
 HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
**SACANDAGA RESERVOIR OPERATION**  
 FOR WEEK ENDING: October 13, 2018

DATE	SACANDAGA RESERVOIR			HUDSON RIVER FLOW		
	WATER SURFACE ELEV. 12 A.M.	TOTAL STORAGE B.C.F. <sup>(1)</sup>	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	HADLEY AVG. DAILY C.F.S.	SPIER FALLS AVG. DAILY C.F.S.
Saturday 6	759.87	25.48	12 AM - Mid	1,360	2,210	3,570
Sunday 7	759.84	25.45	12 AM - Mid	1,330	2,100	3,430
Monday 8	759.80	25.41	12 AM - Mid	1,370	1,930	3,300
Tuesday 9	759.78	25.39	12 AM - Mid	1,290	1,770	3,060
Wednesday 10	759.85	25.46	12 AM - Mid	1,310	1,610	2,920
Thursday 11	759.83	25.44	12 AM - Mid	1,310	1,700	3,010
Friday 12	760.00	25.61	12 AM - Mid	1,390	2,310	3,700
Saturday 13	760.19	25.81	12 AM - Mid	1,440	3,390	4,830

CHANGE IN STORAGE DURING THE WEEK	0.33	* 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	2010	765.74	31.76	6	2014	759.66	25.26
2	2011	765.45	31.44	7	2013	759.66	25.26
3	2009	760.24	25.86	8	2012	758.90	24.48
4	2018	760.19	25.81	9	2015	758.77	24.35
5	2017	760.11	25.73	10	2016	755.51	21.11

CAPACITY AT SPILLWAY CREST (EL 771) 37.72 B.C.F.  
 CAPACITY AT LOW FLOW LINE (EL 735) 4.60 B.C.F.

(1) Includes dead storage below El. 735 ft.

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 CHIEF ENGINEER

STATE OF NEW YORK  
 HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
**SACANDAGA RESERVOIR OPERATION**  
 FOR WEEK ENDING: October 20, 2018

DATE	SACANDAGA RESERVOIR			HUDSON RIVER FLOW		
	WATER SURFACE ELEV. 12 A.M.	TOTAL STORAGE B.C.F. <sup>(1)</sup>	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	HADLEY AVG. DAILY C.F.S.	SPIER FALLS AVG. DAILY C.F.S.
Saturday 13	760.19	25.81	12 AM - Mid	1,440	3,390	4,830
Sunday 14	760.25	25.87	12 AM - Mid	1,440	3,200	4,640
Monday 15	760.23	25.85	12 AM - Mid	1,500	2,640	4,140
Tuesday 16	760.39	26.02	12 AM - Mid	1,540	2,220	3,760
Wednesday 17	760.32	25.95	12 AM - Mid	1,770	2,000	3,770
Thursday 18	760.31	25.94	12 AM - Mid	1,710	1,850	3,560
Friday 19	760.24	25.86	12 AM - Mid	1,770	1,770	3,540
Saturday 20	760.22	25.84	12 AM - Mid	1,710	1,690	3,400

CHANGE IN STORAGE DURING THE WEEK	0.03	* 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	2011	766.81	32.94	6	2009	759.58	25.18
2	2010	765.05	31.00	7	2014	759.47	25.07
3	2012	760.35	25.98	8	2013	759.25	24.84
4	2018	760.22	25.84	9	2015	758.47	24.05
5	2017	759.58	25.18	10	2016	754.70	20.33

CAPACITY AT SPILLWAY CREST (EL 771) 37.72 B.C.F.  
 CAPACITY AT LOW FLOW LINE (EL 735) 4.60 B.C.F.

(1) Includes dead storage below El. 735 ft.

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 CHIEF ENGINEER

STATE OF NEW YORK  
 HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
**INDIAN LAKE RESERVOIR OPERATION**  
 FOR WEEK ENDING: October 6, 2018

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 29	1,646.43	2.81	12 AM - Mid	125	393	1,270
Sunday 30	1,646.47	2.82	12 AM - Mid	126	275	912
Monday 1	1,646.49	2.82	12 AM - Mid	126	218	631
Tuesday 2	1,646.56	2.83	12 AM - Mid	126	232	840
Wednesday 3	1,646.62	2.84	12 AM - Mid	126	609	1,060
Thursday 4	1,646.72	2.86	12 AM - Mid	234	878	1,630
Friday 5	1,646.69	2.85	12 AM - Mid	288	645	1,550
Saturday 6	1,646.63	2.84	12 AM - Mid	288	460	1,400
CHANGE IN STORAGE DURING THE WEEK		0.03	* INIDAN RIVER NEAR INDIAN LAKE			

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2010	1,648.77	3.22	6	2013	1,643.41	2.30
2	2018	1,646.63	2.84	7	2011	1,643.10	2.25
3	2017	1,644.61	2.50	8	2014	1,642.67	2.18
4	2015	1,643.70	2.35	9	2012	1,642.45	2.15
5	2009	1,643.64	2.34	10	2016	1,641.80	2.04

CAPACITY AT SPILLWAY CREST (EL 1651.29) 3.7 B.C.F.

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 CHIEF ENGINEER

STATE OF NEW YORK  
 HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
**INDIAN LAKE RESERVOIR OPERATION**  
 FOR WEEK ENDING: October 13, 2018

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	1,646.63	2.84	12 AM - Mid	288	460	1,400
Sunday 7	1,646.54	2.83	12 AM - Mid	288	362	1,240
Monday 8	1,646.50	2.82	12 AM - Mid	288	310	1,080
Tuesday 9	1,646.46	2.81	12 AM - Mid	288	276	846
Wednesday 10	1,646.38	2.80	12 AM - Mid	288	257	894
Thursday 11	1,646.31	2.79	12 AM - Mid	287	300	1,040
Friday 12	1,646.42	2.81	12 AM - Mid	287	1,020	2,060
Saturday 13	1,646.50	2.82	12 AM - Mid	287	1,310	2,640

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	2010	1,649.56	3.37	6	2013	1,643.11	2.25
2	2018	1,646.50	2.82	7	2009	1,643.01	2.24
3	2017	1,644.40	2.46	8	2014	1,642.40	2.14
4	2015	1,643.54	2.32	9	2012	1,642.25	2.11
5	2011	1,643.12	2.25	10	2016	1,641.01	1.92

CAPACITY AT SPILLWAY CREST (EL 1651.29) 3.7 B.C.F.

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 CHIEF ENGINEER

STATE OF NEW YORK  
 HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
**INDIAN LAKE RESERVOIR OPERATION**  
 FOR WEEK ENDING: October 20, 2018

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	1,646.50	2.82	12 AM - Mid	287	1,310	2,640
Sunday 14	1,646.51	2.82	12 AM - Mid	286	872	2,160
Monday 15	1,646.48	2.82	12 AM - Mid	286	563	1,620
Tuesday 16	1,646.60	2.84	12 AM - Mid	285	441	1,300
Wednesday 17	1,646.41	2.80	12 AM - Mid	284	397	1,140
Thursday 18	1,646.36	2.80	12 AM - Mid	283	345	1,110
Friday 19	1,646.28	2.78	12 AM - Mid	283	291	1,060
Saturday 20	1,646.24	2.78	12 AM - Mid	282	254	957

CHANGE IN STORAGE DURING THE WEEK	-0.04	* INIDAN RIVER NEAR INDIAN LAKE
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2010	1,648.77	3.22	6	2012	1,643.19	2.26
2	2018	1,646.24	2.78	7	2013	1,642.96	2.23
3	2011	1,644.25	2.44	8	2014	1,642.59	2.17
4	2017	1,644.03	2.40	9	2009	1,641.79	2.04
5	2015	1,643.29	2.28	10	2016	1,640.75	1.88

CAPACITY AT SPILLWAY CREST (EL 1651.29) 3.7 B.C.F.

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 CHIEF ENGINEER



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

FOR WEEK ENDING: **October 6, 2018**

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 29	1,665.56	1.80	12 AM -Mid	300	587	3,220
Sunday 30	1,665.46	1.78	12 AM -Mid	300	446	2,590
Monday 1	1,665.33	1.76	12 AM -Mid	300	332	2,130
Tuesday 2	1,665.26	1.75	12 AM -Mid	300	527	1,880
Wednesday 3	1,665.21	1.74	12 AM -Mid	300	583	2,450
Thursday 4	1,665.21	1.74	12 AM -Mid	300	578	3,160
Friday 5	1,665.17	1.73	12 AM -Mid	300	527	3,140
Saturday 6	1,665.11	1.72	12 AM -Mid	300	538	2,880

CHANGE IN STORAGE DURING THE WEEK	-0.07
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2010	1,673.20	3.21	6	2016	1,668.39	2.27
2	2015	1,670.33	2.60	7	2014	1,668.30	2.25
3	2017	1,669.74	2.49	8	2013	1,667.34	2.09
4	2009	1,669.28	2.41	9	2012	1,666.37	1.93
5	2011	1,668.71	2.32	10	2018	1,665.11	1.72

CAPACITY AT SPILLWAY CREST (EL 1677.3) 4.213 B.C.F.  
CAPACITY AT LOW FLOW LINE (EL 1650.8) 0.10 B.C.F.

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CHIEF ENGINEER

STATE OF NEW YORK  
 HUDSON RIVER-BLACK RIVER REGULATING DISTRICT  
**STILLWATER RESERVOIR OPERATION**  
 FOR WEEK ENDING: [October 13, 2018](#)

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	1,665.11	1.72	12 AM -Mid	300	538	2,880
Sunday 7	1,665.04	1.71	12 AM -Mid	300	543	2,590
Monday 8	1,665.06	1.72	12 AM -Mid	300	581	3,180
Tuesday 9	1,665.03	1.71	12 AM -Mid	300	576	3,190
Wednesday 10	1,665.00	1.71	12 AM -Mid	300	547	2,850
Thursday 11	1,664.95	1.70	12 AM -Mid	300	607	2,470
Friday 12	1,665.41	1.77	12 AM -Mid	206	1,030	4,810
Saturday 13	1,665.83	1.84	12 AM -Mid	50	1,080	6,060

CHANGE IN STORAGE DURING THE WEEK	0.12
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2010	1,674.82	3.59	6	2011	1,667.76	2.16
2	2015	1,670.08	2.55	7	2016	1,667.33	2.09
3	2009	1,669.75	2.49	8	2013	1,666.98	2.03
4	2017	1,669.60	2.47	9	2012	1,666.09	1.89
5	2014	1,668.00	2.20	10	2018	1,665.83	1.84

CAPACITY AT SPILLWAY CREST (EL 1677.3) 4.213 B.C.F.  
 CAPACITY AT LOW FLOW LINE (EL 1650.8) 0.10 B.C.F.

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 CHIEF ENGINEER

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

FOR WEEK ENDING: **October 20, 2018**

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	1,665.83	1.84	12 AM -Mid	50	1,080	6,060
Sunday 14	1,666.10	1.89	12 AM -Mid	50	414	6,060
Monday 15	1,666.30	1.92	12 AM -Mid	125	315	5,280
Tuesday 16	1,666.36	1.93	12 AM -Mid	200	340	4,280
Wednesday 17	1,666.47	1.95	12 AM -Mid	200	321	3,780
Thursday 18	1,666.55	1.96	12 AM -Mid	200	297	3,700
Friday 19	1,666.59	1.97	12 AM -Mid	200	303	3,350
Saturday 20	1,666.61	1.97	12 AM -Mid	200	325	2,810

CHANGE IN STORAGE DURING THE WEEK	0.13
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ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2010	1,674.76	3.57	6	2017	1,669.20	2.40
2	2015	1,669.96	2.53	7	2018	1,666.61	1.97
3	2009	1,669.36	2.43	8	2013	1,666.37	1.93
4	2014	1,669.35	2.42	9	2016	1,666.33	1.93
5	2011	1,669.33	2.42	10	2012	1,666.31	1.92

CAPACITY AT SPILLWAY CREST (EL 1677.3) 4.213 B.C.F.  
CAPACITY AT LOW FLOW LINE (EL 1650.8) 0.10 B.C.F.

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CHIEF ENGINEER

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

FOR WEEK ENDING: **October 6, 2018**

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 29	1,706.91	0.899	51	1,785.57	0.283	5
Sunday 30	1,706.87	0.893	51	1,785.57	0.283	5
Monday 1	1,706.83	0.888	35	1,785.56	0.283	5
Tuesday 2	1,706.87	0.893	4	1,785.60	0.284	5
Wednesday 3	1,706.93	0.901	20	1,785.68	0.286	5
Thursday 4	1,706.95	0.904	51	1,785.70	0.287	5
Friday 5	1,706.95	0.904	51	1,785.73	0.288	5
Saturday 6	1,706.92	0.900	51	1,785.73	0.288	5
CHANGE IN STORAGE		0.001			0.005	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2018	1,706.92	0.900	1	2017	1,785.79	0.290
2	2014	1,706.88	0.895	2	2018	1,785.73	0.288
3	2017	1,706.87	0.893	3	2014	1,785.72	0.288
4	2016	1,706.81	0.885	4	2016	1,785.67	0.286
5	2015	1,706.74	0.876	5	2015	1,785.23	0.272

OLD FORGE CAPACITY AT SPILLWAY CREST (EL 1707.10) 0.924 B.C.F.  
SIXTH LAKE CAPACITY AT SPILLWAY CREST (EL 1786.00) 0.297 B.C.F.

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CHIEF ENGINEER

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

FOR WEEK ENDING: **October 13, 2018**

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	1,706.92	0.900	51	1,785.73	0.288	5
Sunday 7	1,706.87	0.893	51	1,785.73	0.288	5
Monday 8	1,706.94	0.903	51	1,785.83	0.291	5
Tuesday 9	1,706.89	0.896	51	1,785.85	0.292	5
Wednesday 10	1,706.89	0.896	51	1,785.87	0.292	5
Thursday 11	1,706.87	0.893	146	1,785.88	0.293	52
Friday 12	1,706.92	0.900	359	1,786.06	0.299	152
Saturday 13	1,706.85	0.890	354	1,785.90	0.293	150
CHANGE IN STORAGE		-0.010			0.005	

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	2014	1,706.87	0.893	1	2018	1,785.90	0.293
2	2015	1,706.86	0.892	2	2014	1,785.80	0.290
3	2018	1,706.85	0.890	3	2016	1,785.59	0.283
4	2016	1,706.72	0.873	4	2015	1,785.36	0.276
5	2017	1,706.45	0.836	5	2017	1,785.22	0.272

OLD FORGE CAPACITY AT SPILLWAY CREST (EL 1707.10) 0.924 B.C.F.  
SIXTH LAKE CAPACITY AT SPILLWAY CREST (EL 1786.00) 0.297 B.C.F.

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CHIEF ENGINEER

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

FOR WEEK ENDING: **October 20, 2018**

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	1,706.85	0.890	354	1,785.90	0.293	150
Sunday 14	1,706.73	0.874	349	1,785.64	0.285	147
Monday 15	1,706.60	0.856	344	1,785.37	0.276	145
Tuesday 16	1,706.31	0.817	338	1,785.06	0.267	66
Wednesday 17	1,706.29	0.815	248	1,785.01	0.265	26
Thursday 18	1,706.23	0.806	82	1,785.00	0.265	28
Friday 19	1,706.21	0.803	82	1,784.95	0.263	28
Saturday 20	1,706.17	0.798	82	1,784.92	0.262	28
CHANGE IN STORAGE		-0.092			-0.031	

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	2014	1,706.80	0.883	1	2014	1,785.62	0.284
2	2015	1,706.28	0.813	2	2015	1,785.40	0.277
3	2016	1,706.26	0.810	3	2016	1,785.25	0.273
4	2018	1,706.17	0.798	4	2018	1,784.92	0.262
5	2017	1,706.04	0.781	5	2017	1,784.84	0.260

OLD FORGE CAPACITY AT SPILLWAY CREST (EL 1707.10) 0.924 B.C.F.  
SIXTH LAKE CAPACITY AT SPILLWAY CREST (EL 1786.00) 0.297 B.C.F.

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CHIEF ENGINEER