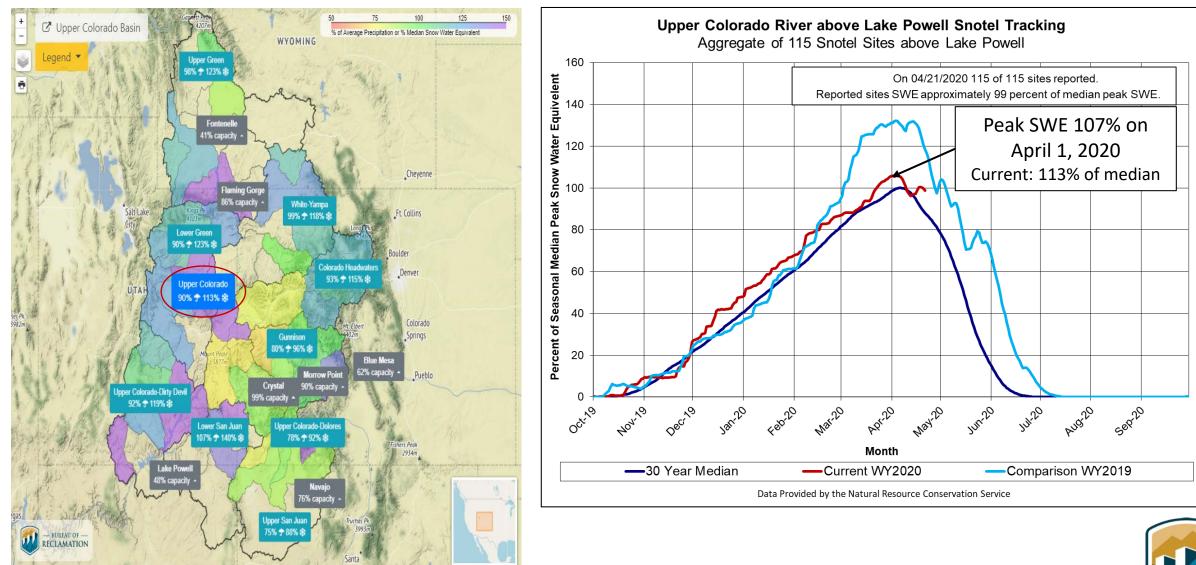


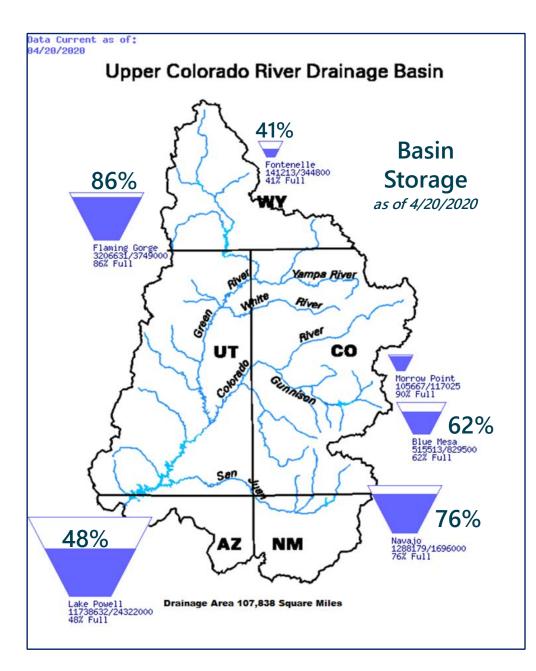
## 

# GC Monthly Operational Call

April 22, 2020 Heather E. Patno Hydraulic Engineer

### **Upper Basin Snowpack**



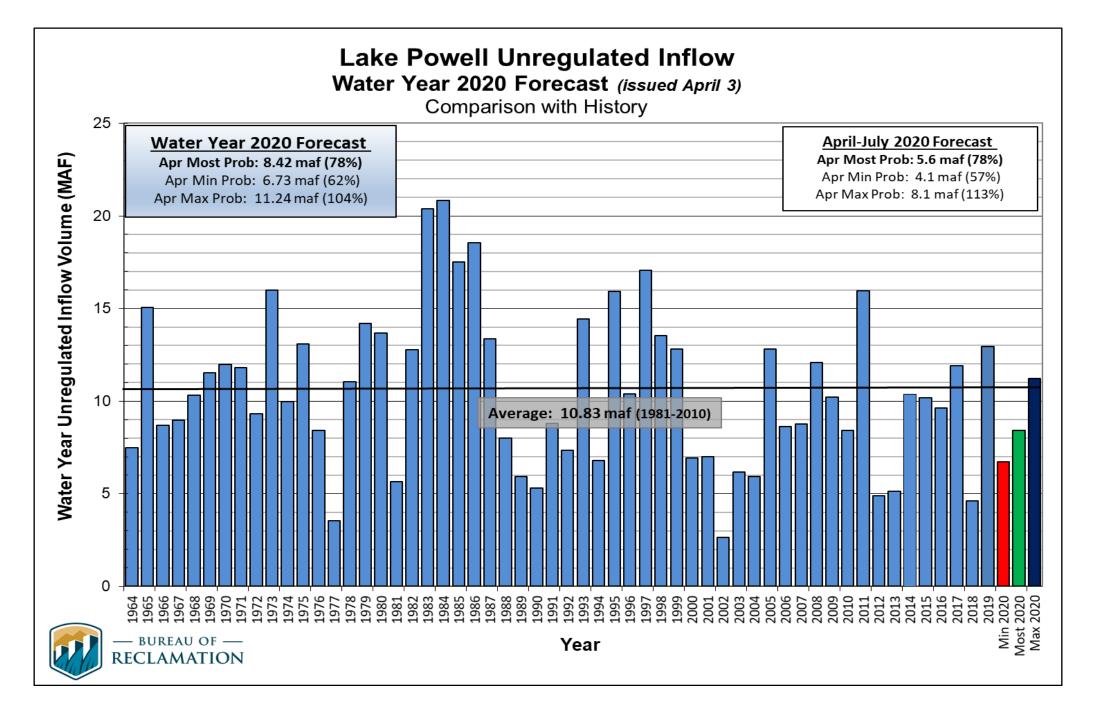


#### 2020 April – July Unregulated Inflow Forecast as of April 17, 2020

Reservoir	Forecast (kaf)	Percent of Average <sup>1</sup>		
Fontenelle	685	94		
Flaming Gorge	900	92		
Blue Mesa	490	73		
Navajo	380	52		
Powell	5,300	74		

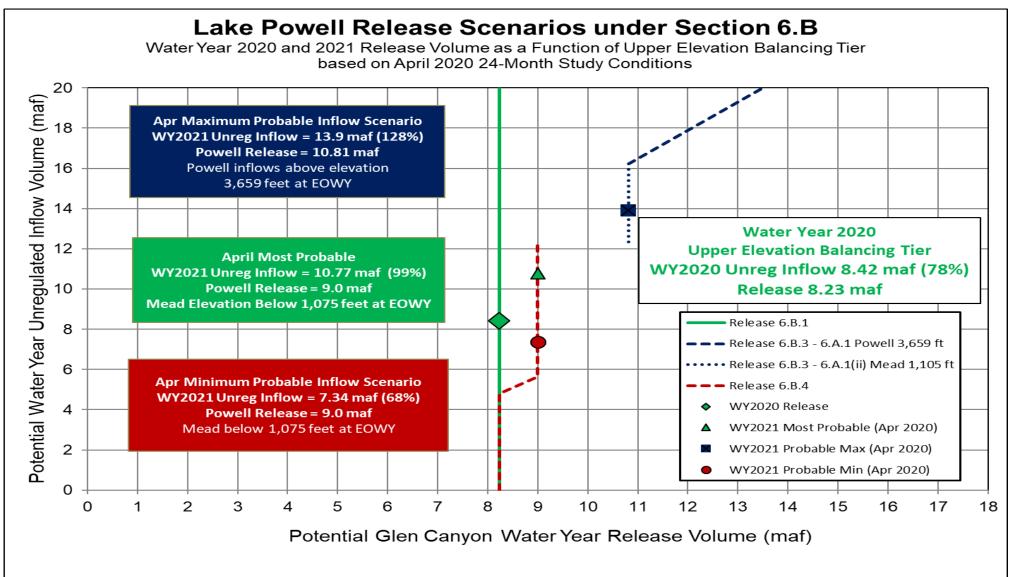
<sup>1</sup> Percent of average based on the period of record from 1981-2010.



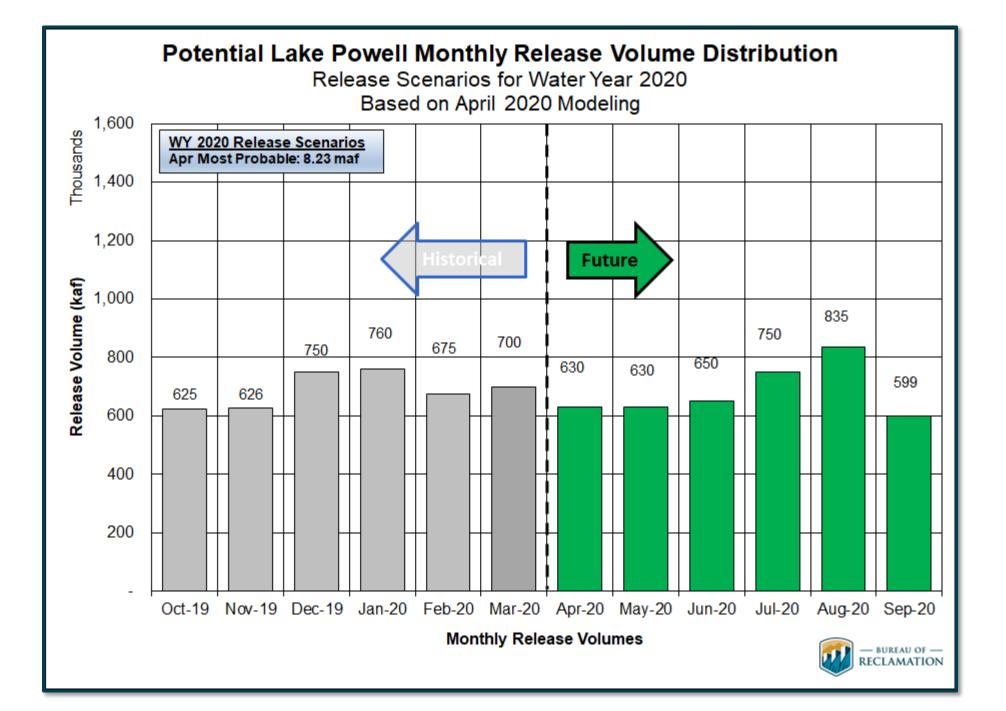




#### **Release Scenarios under Interim Guidelines**

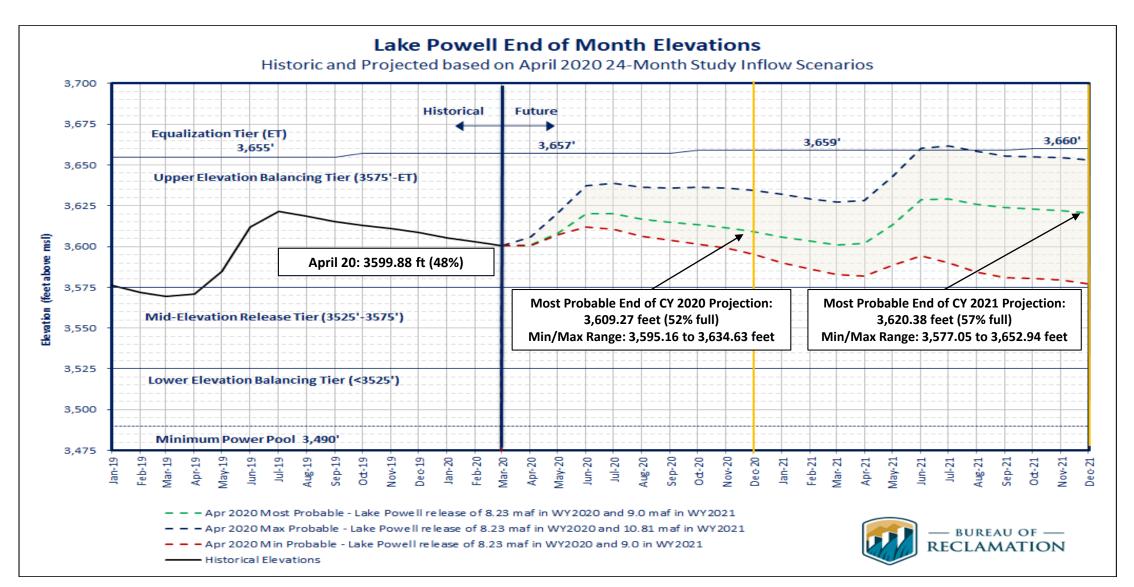




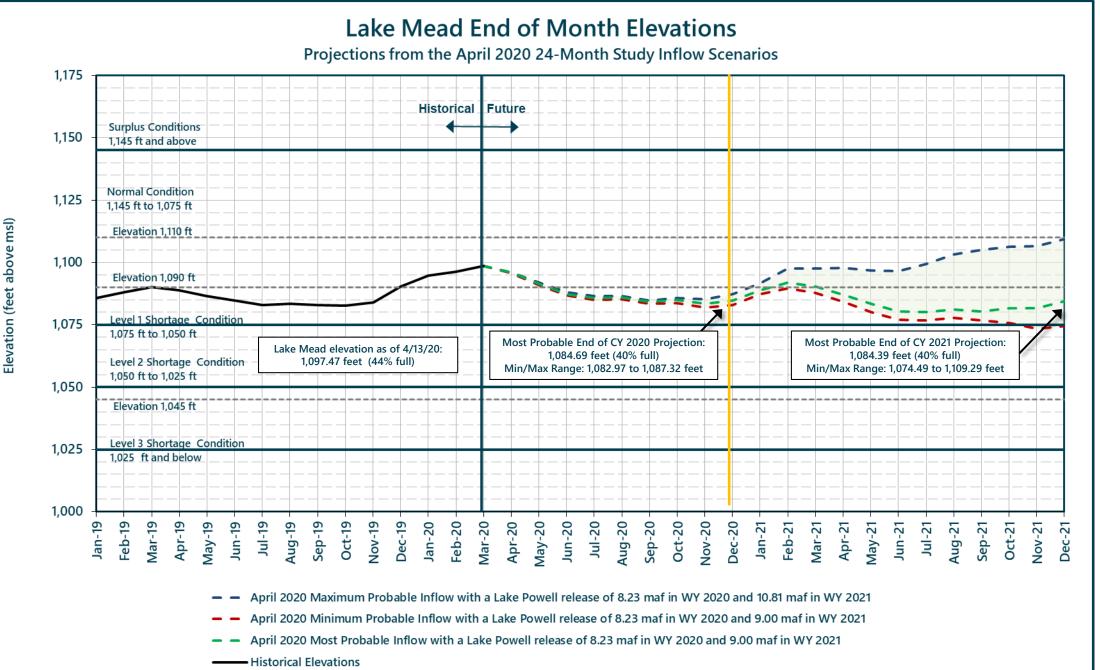




#### **Powell Elevations**







	-	-	-		-	-	_	-				
Unit Number	Oct 2019	Nov 2019	Dec 2019	Jan 2020	Feb 2020	Mar 2020	Apr 2020	May 2020	Jun 2020	Jul 2020	Aug 2020	Sep 2020
1												
2												
3												
4												

5

16,500

1,100

700

700

700

6

20,200

1,210

630

630

630

6

20,400

1,300

630

630

630

6

20,700

1,390

650

650

650

6

20,700

1,300

750

750

750

6

20,600

1,290

835

835

835

(updated 04-21-2020)

6

20,600

1,250

599

599

599

#### Glen Canyon Power Plant Planned Unit Outage Schedule for Water Year 2020

1 Projected release, based on April 2020 MOST Probable Inflow Projections and 24-Month Study model runs

— BUREAU OF — RECLAMATION

APR

MOST

APR

MAX

8.23

8.23 8.23

2 Projected release, based on April 2020 Min and Max Probable Inflow Projections and 24-Month Study model runs

6

20,400

1,250

760

760

760

6

20,300

1,180

675

675

675

3 \*Dependent upon availability to shift regulation and reserves

5

16,800

1,060

625

625

625

6

20,500

1,160

625

625

625

6

20,400

1,420

750

750

750

5 6 7

8 Units Available

Capacity (cfs)

Capacity

(kaf/month)

Max (kaf)<sup>1</sup>

Most (kaf)<sup>2</sup>

Min (kaf)<sup>1</sup>

Unit Number	Oct 2020	Nov 2020	Dec 2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	
1													
2													
3													
4													
5													
6													
7													
8													
Units Available	6	6	6	6	6	6	6	6	6	6	6	6	
Capacity (cfs)	20,500	20,500	20,400	20,400	20,300	20,200	20,300	20,500	20,900	20,900	20,800	20,800	APR MOST
Capacity (kaf/month)	1,310	1,270	1,290	1,290	1,160	1,310	1,240	1,300	1,280	1,360	1,350	1,310	APR MAX
Max (kaf) <sup>1</sup>	640	640	720	860	970	920	1,030	910	960	1,110	1,170	877	10.81
Most (kaf) <sup>2</sup>	640	640	720	860	750	800	710	710	750	850	900	670	9.0
Min (kaf) <sup>1</sup>	640	640	720	860	750	800	710	710	750	850	900	670	9.0
										(updated C	04-21-2020)		

#### Glen Canyon Power Plant Planned Unit Outage Schedule for Water Year 2021

1 Projected release, based on April 2020 Most Probable Inflow Projections and 24-Month Study model runs



2 Projected release, based on April 2020 Min and Max Probable Inflow Projections and 24-Month Study model runs

#### **Proposed Bug Flow Hydrograph**

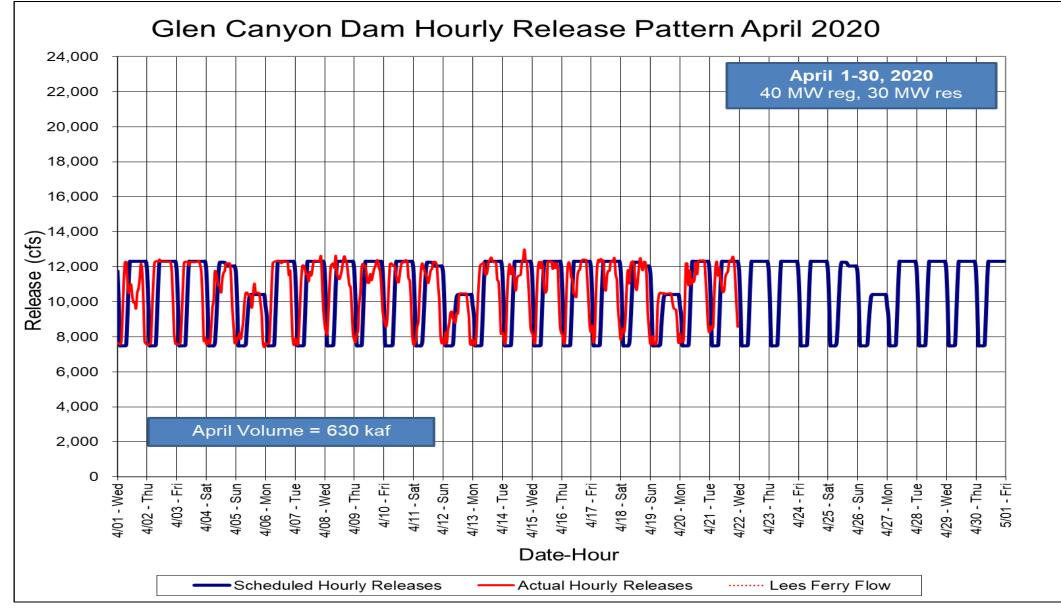
#### Hydrograph characteristics:

- o Implement May 1 August 31, 2020
- o Steady weekend lows, fluctuating weekday releases
- Weekend lows 750 cfs higher than weekday lows
- o Weekly, Monthly, and Annual release volumes would not change.

Month	Release Volume (af)	Maximum daily fluctuation	Weekday maximum (cfs)*	Weekday minimum (cfs)*	Weekend release (cfs)*
May	630,000	4,460	13,485	9,025	9,775
June	650,000	6,500	14,565	8,065	<mark>8,815</mark>
July	750,000	7,500	16,030	8,530	9,280
August	835,000	8,000	17,880	9,880	10,630



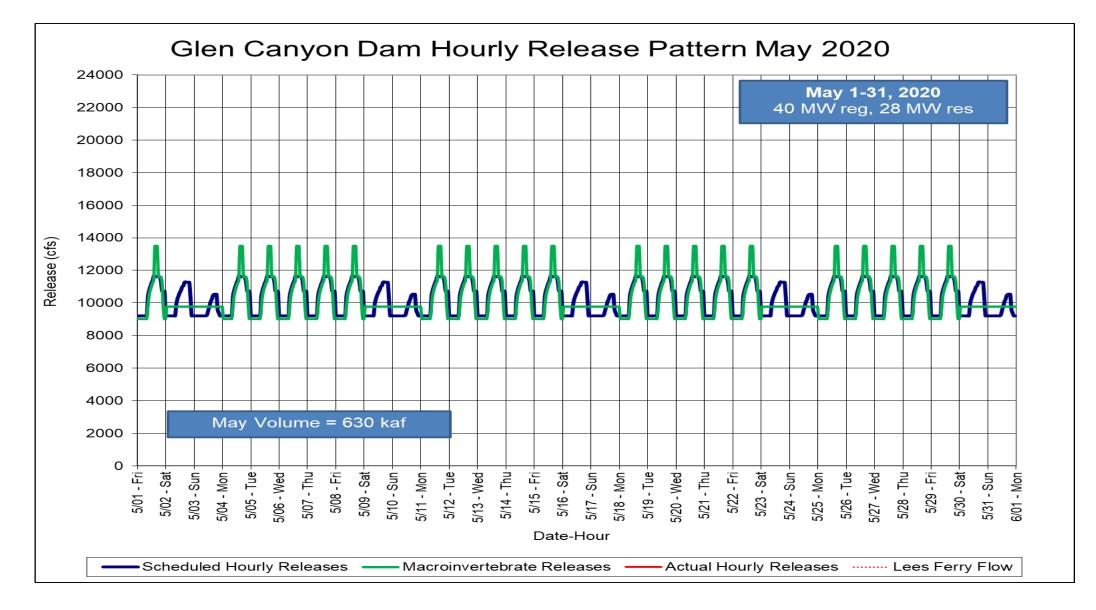
## **April 2020 Hourly Releases**





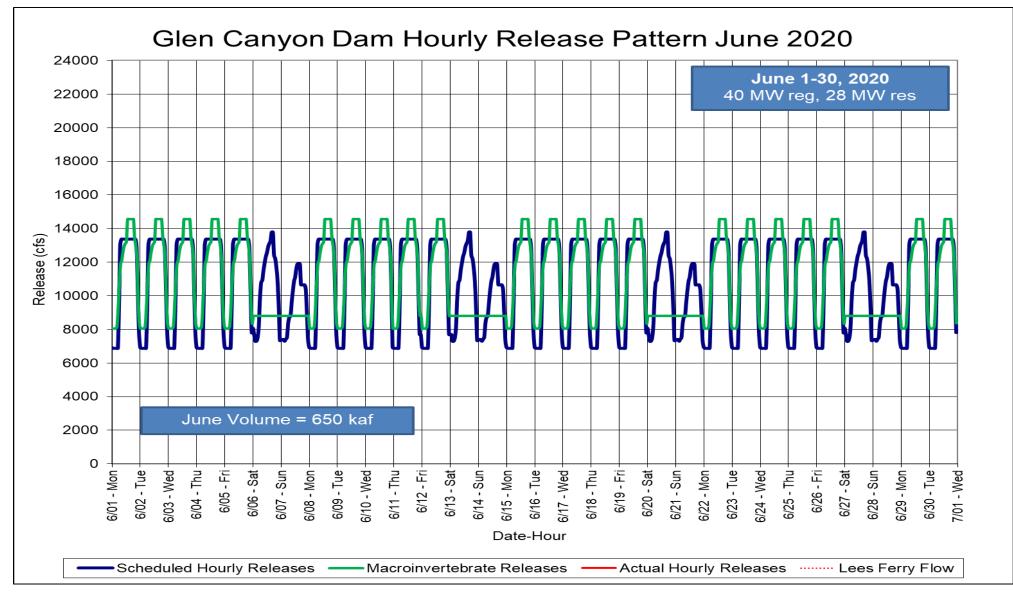
12

## May 2020 Hourly Releases



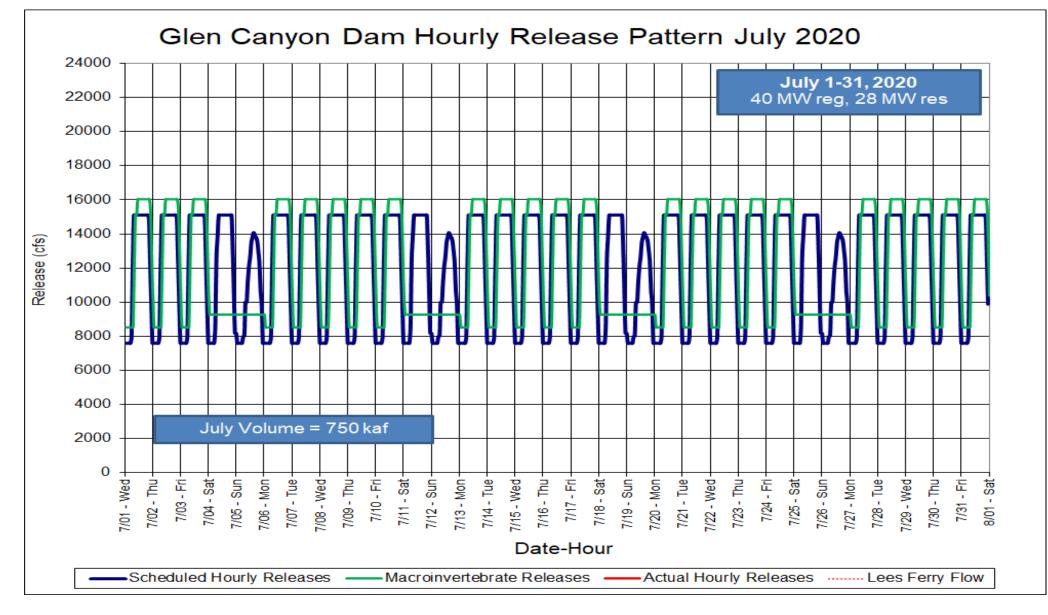


### **June 2020 Hourly Releases**



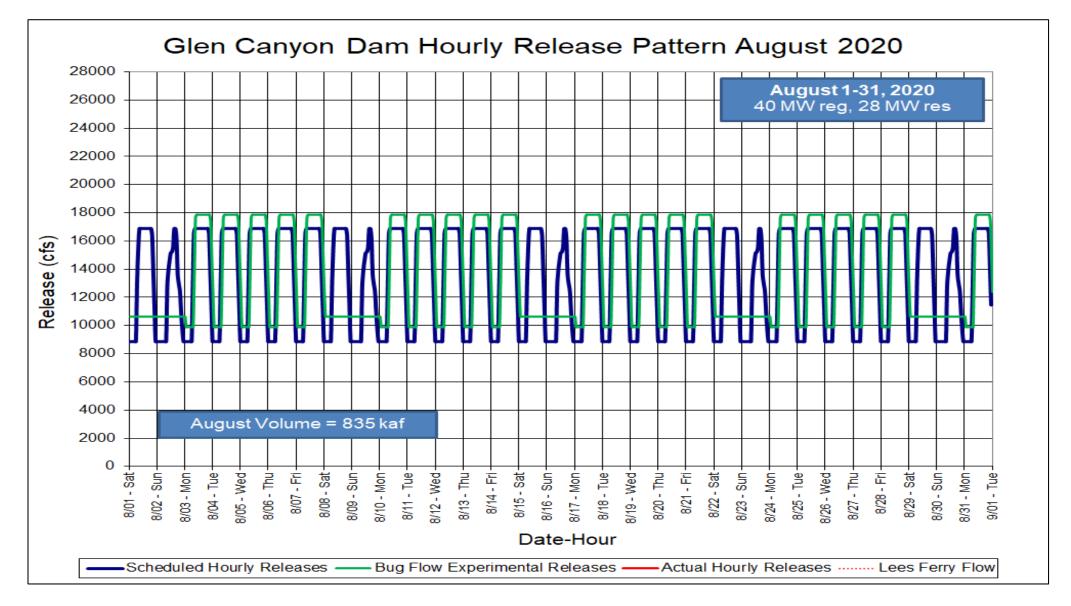


## July 2020 Hourly Releases

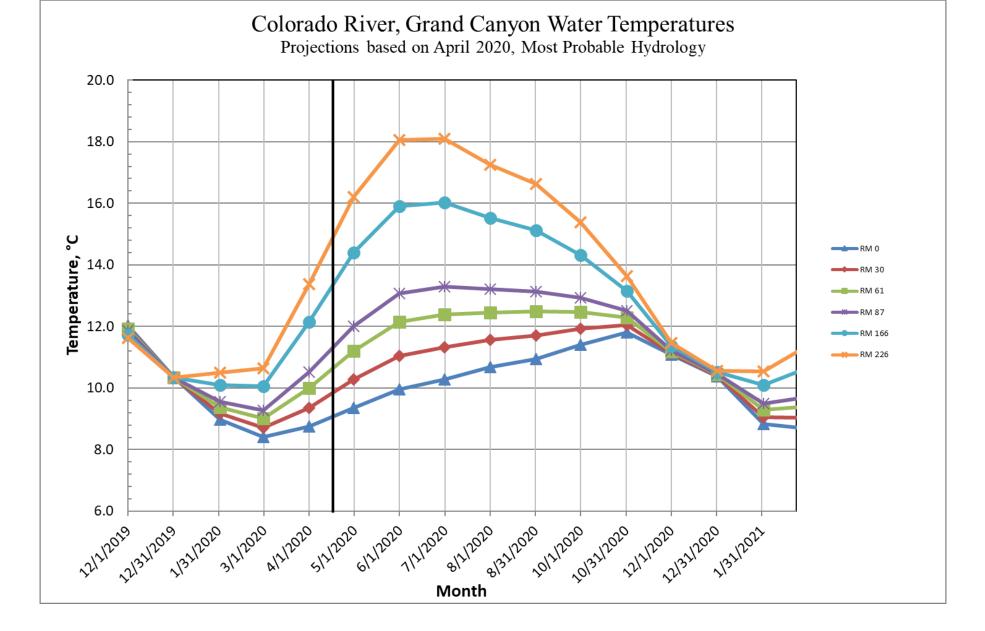


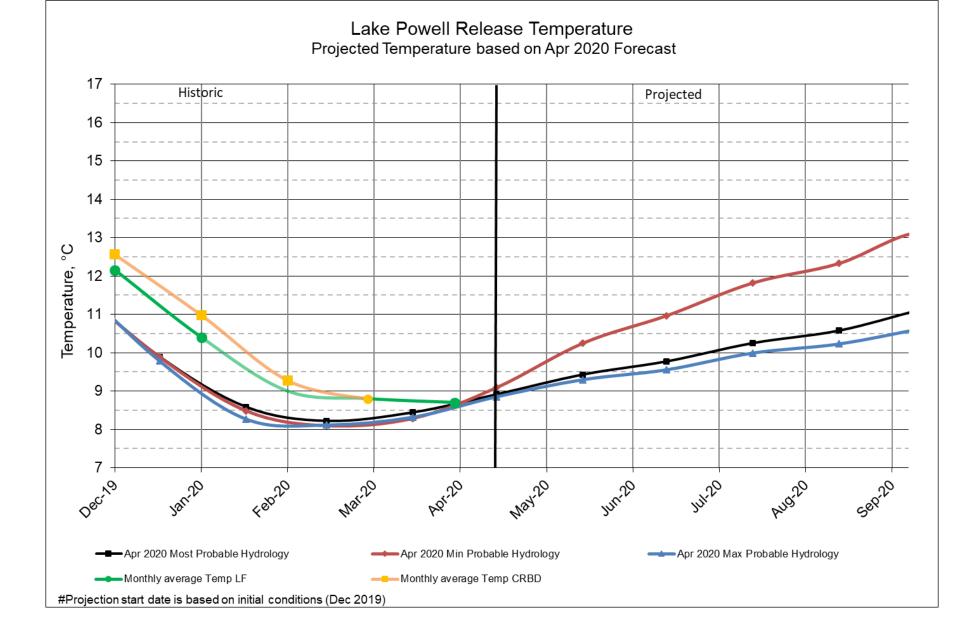


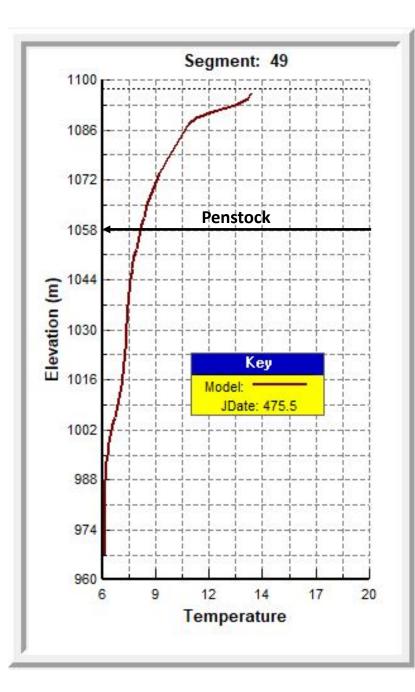
### **August 2020 Hourly Releases**

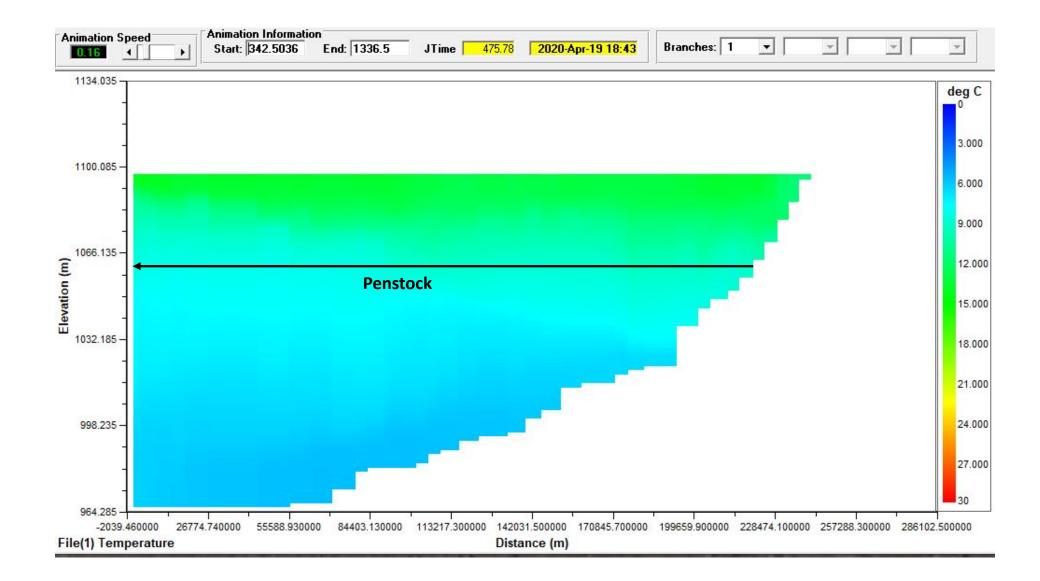












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