

RECLAMATION

Managing Water in the West

Colorado River Basin Hydrology and Projected Glen Canyon Dam Operations

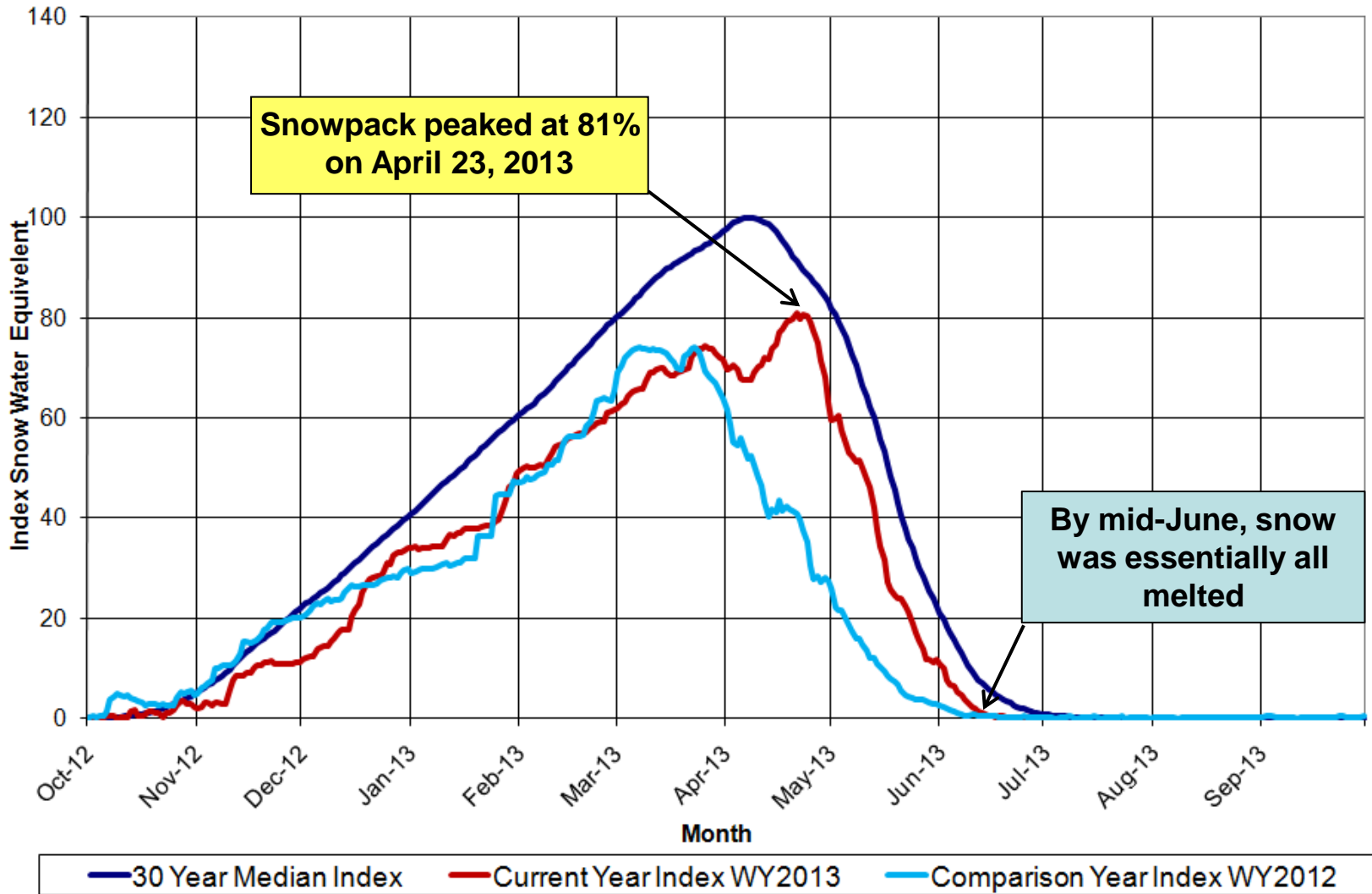
TWG meeting (via webinar)
June 26, 2013



U.S. Department of the Interior
Bureau of Reclamation

Upper Colorado River Basin Snotel Tracking

Aggregate of 116 Snotel Sites above Lake Powell

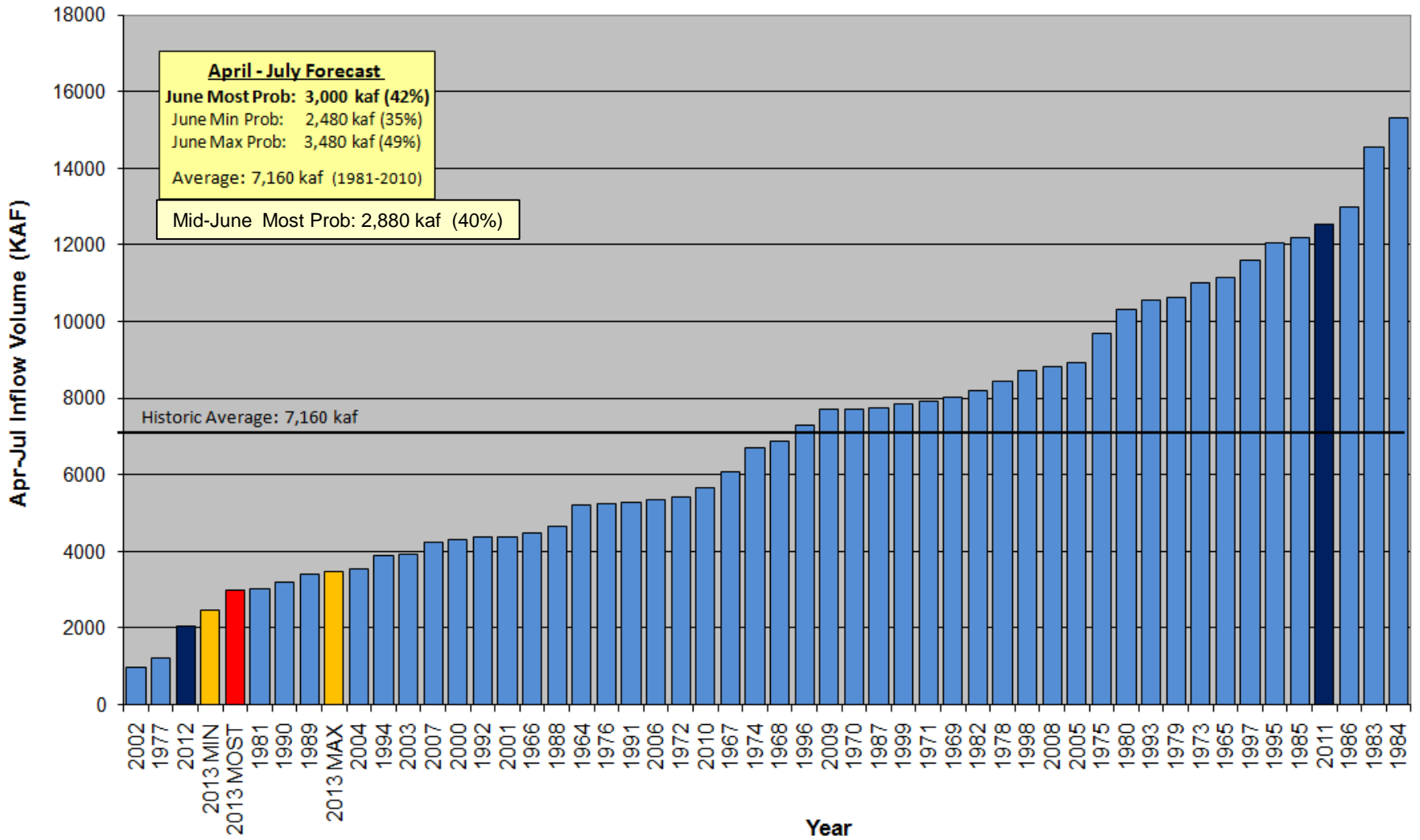


Data Provided by the Natural Resource Conservation Service

Powell Unregulated Inflow

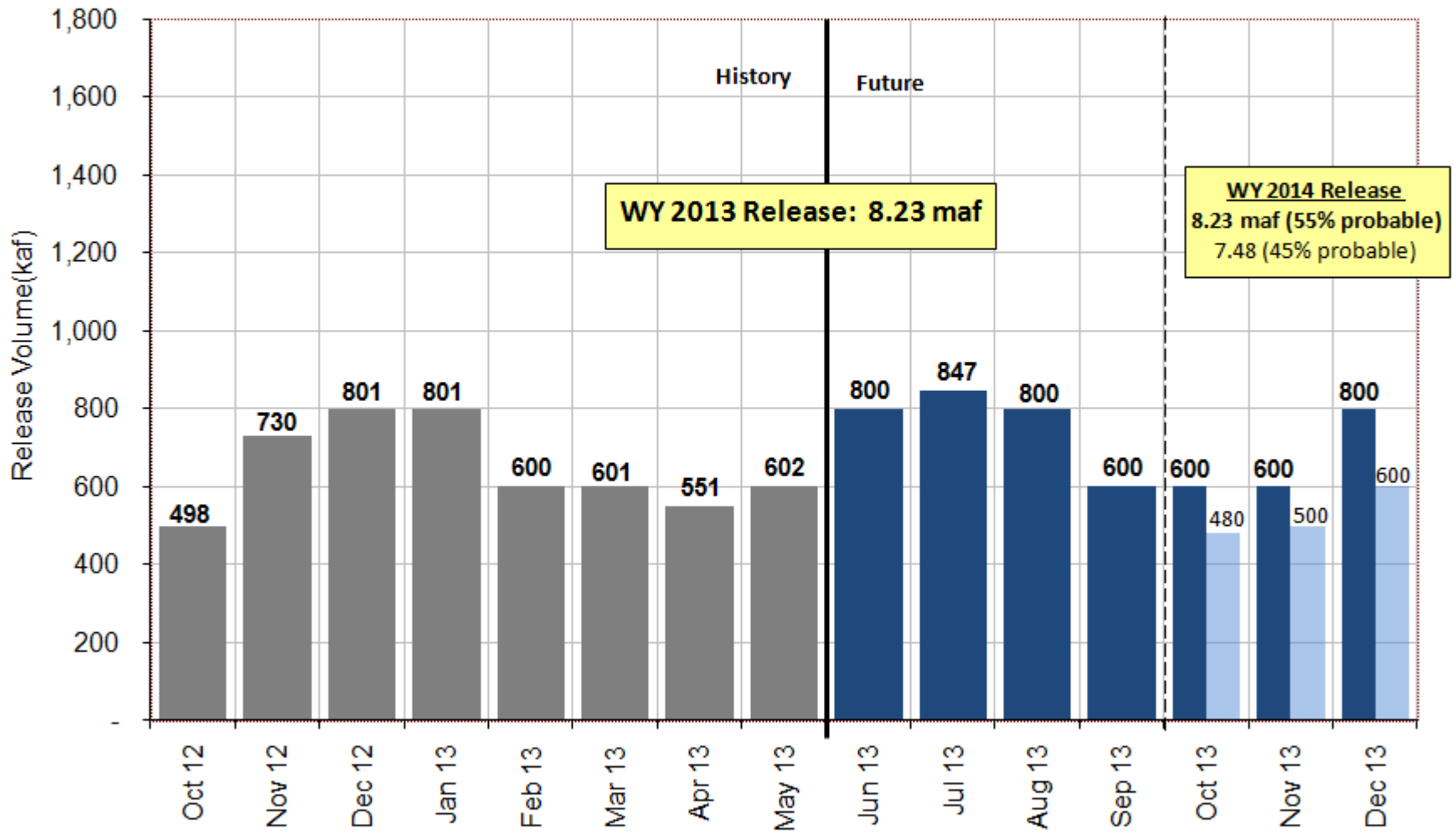
Apr-Jul 2013 Forecast (issued June 4)

Comparison with History



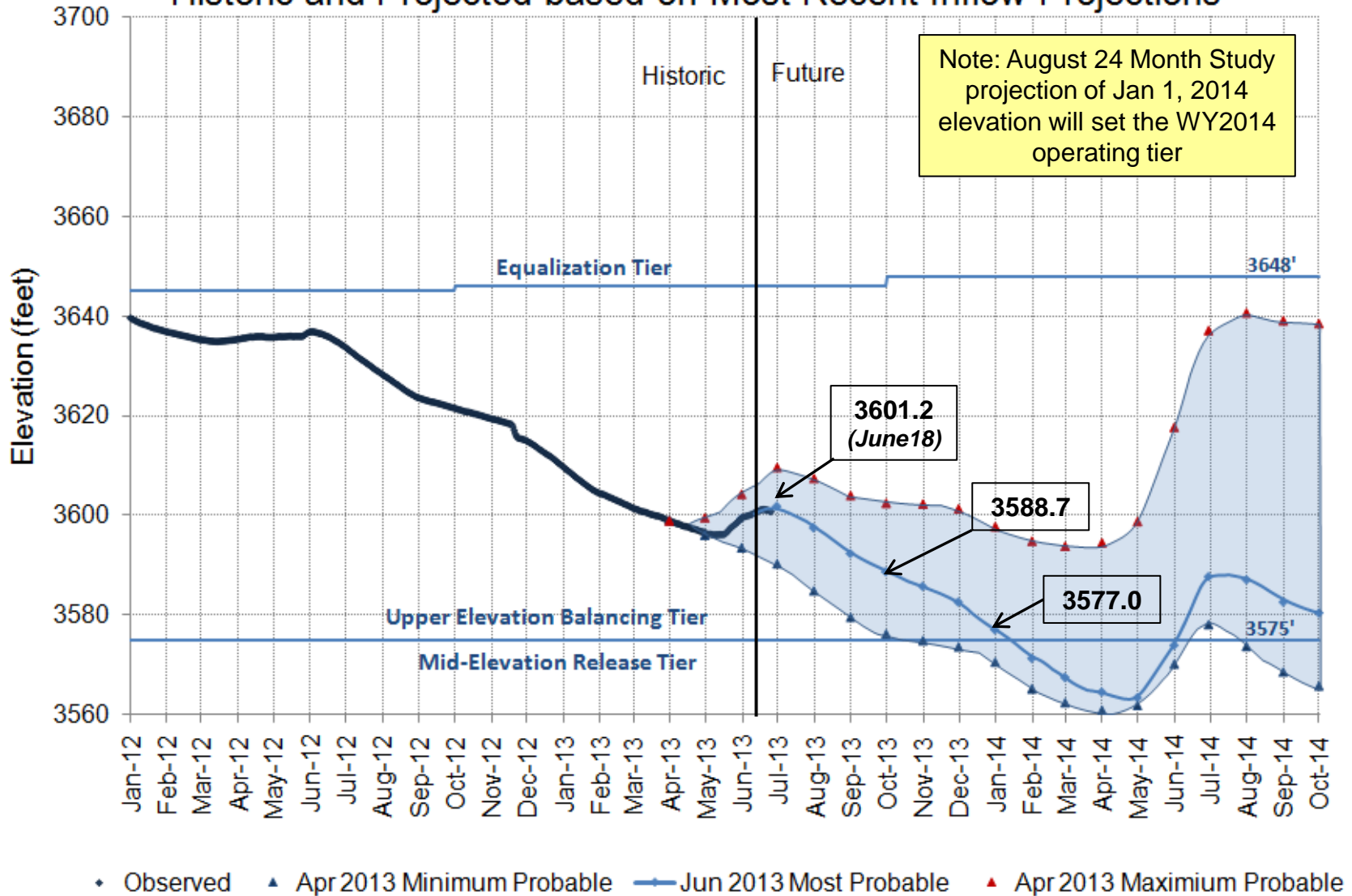
Lake Powell Monthly Release Volume Distribution

June 2013 24-Month Study



Lake Powell Elevations

Historic and Projected based on Most Recent Inflow Projections



Glen Canyon Power Plant Planned Unit Outage Schedule for Water Year 2013

Unit Number	Oct 2012	Nov 2012	Dec 2012	Jan 2013	Feb 2013	Mar 2013	Apr 2013	May 2013	Jun 2013	Jul 2013	Aug 2013	Sep 2013
1												
2												
3												
4												
5												
6												
7												
8												
Units Available	5	8 / 7	7	7	5	5 / 6	6	5	6	6	6	5
Capacity (cfs)	19,500	25,200 / 21,700	21,800	21,600	14,800	14,900 / 18,600	18,600	14,700	18,000	18,000	18,000	14,500
Capacity (kaf/month)	1310	1380	1290	1290	920	1090	1110	980	1070	1110	1110	850
Max (kaf) ¹	--	--	--	--	--	--	--	--	800	847	800	600
Most (kaf) ²	494	730	801	801	600	600	551	602	800	847	800	600
Min (kaf) ¹	--	--	--	--	--	--	--	--	800	847	800	600

1 Based on Apr 2013 Min / Max probable 24-Month Study

2 Based on June 2013 Most probable 24-Month Study

(updated 6-11-2013)

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Glen Canyon Power Plant Provisional Unit Outage Schedule for Water Year 2014

Unit Number	Oct 2013	Nov 2013	Dec 2013	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014
1												
2												
3												
4												
5												
6												
7												
8												
Units Available	5 6	6	6	6	4	5 6	6	5 6	6	6	6	5
Capacity (cfs)	14,500 17,900	17,900 ³	17,900	17,900	11,300	14,400 17,900	17,900	14,400 17,900	17,900	18,000	18,000	14,700
Capacity (kaf/month)	1030	1070	1100	1100	710	1000	1040	1000	1090	1110	1110	890
Max (kaf) ¹	600	600	800	800	600	600	600	600	650	850	900	630
Most (kaf) ²	600	600	800	800	600	600	600	600	650	850	900	630
Min (kaf) ¹	480	500	600	800	600	600	500	600	600	800	800	600

1 Based on Apr 2013 Min/Max probable 24-Month Study

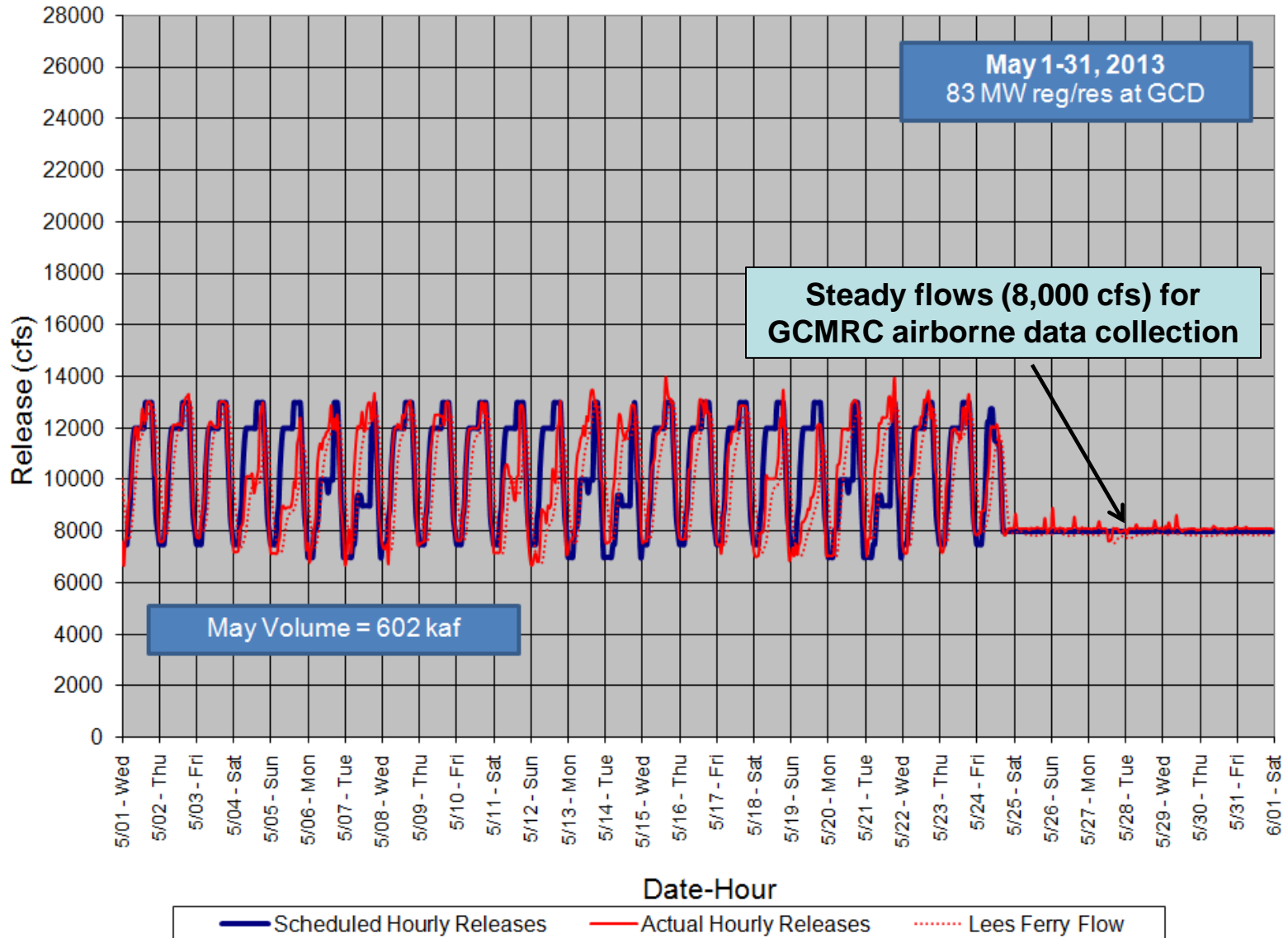
2 Based on June 2013 Most probable 24-month Study

3 Total release during a HFE = Capacity +15,000 cfs of bypass (e.g., Nov 2013 Total Possible Release = ~32,900 cfs)

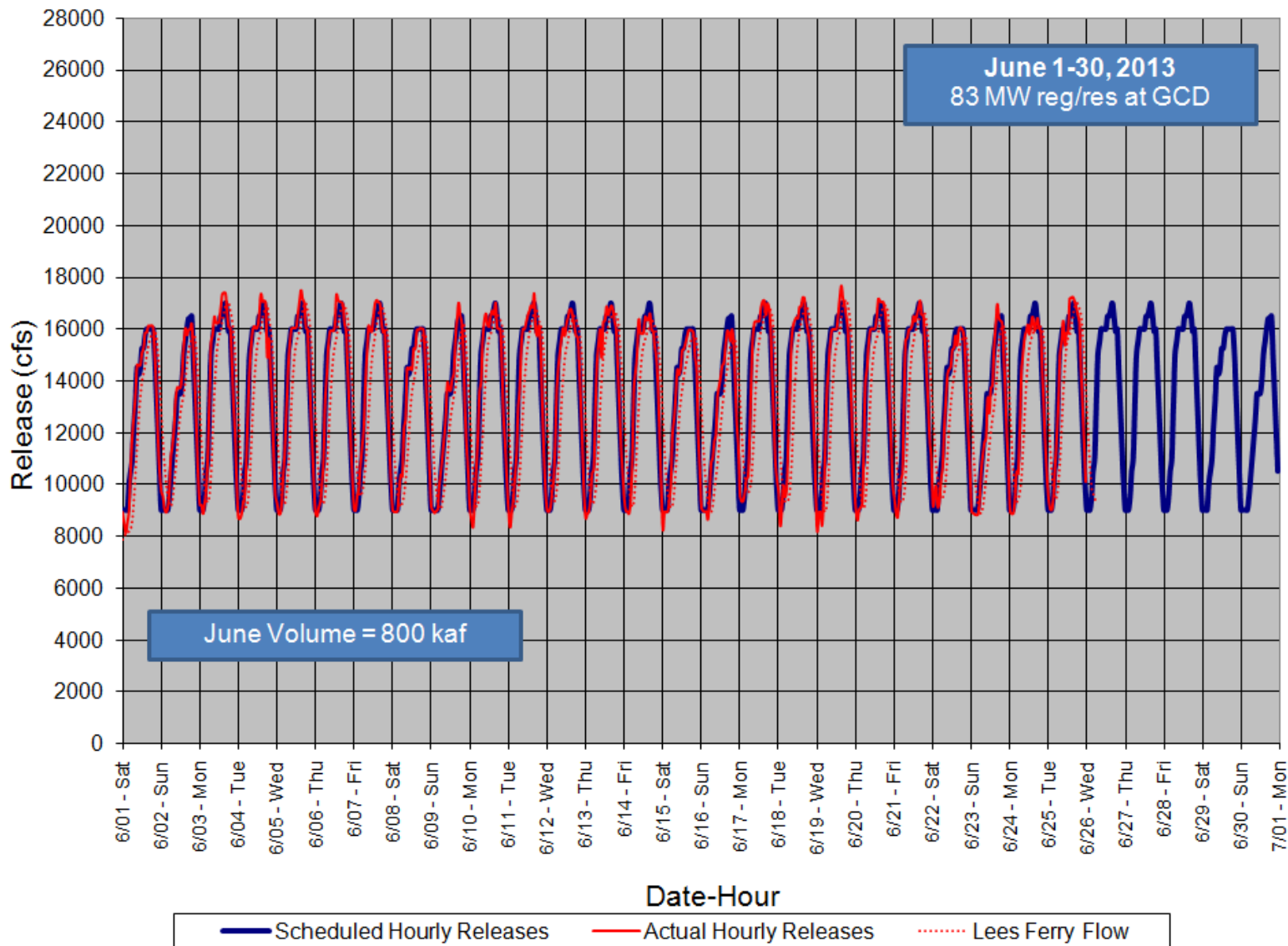
(updated 6-11-2013)

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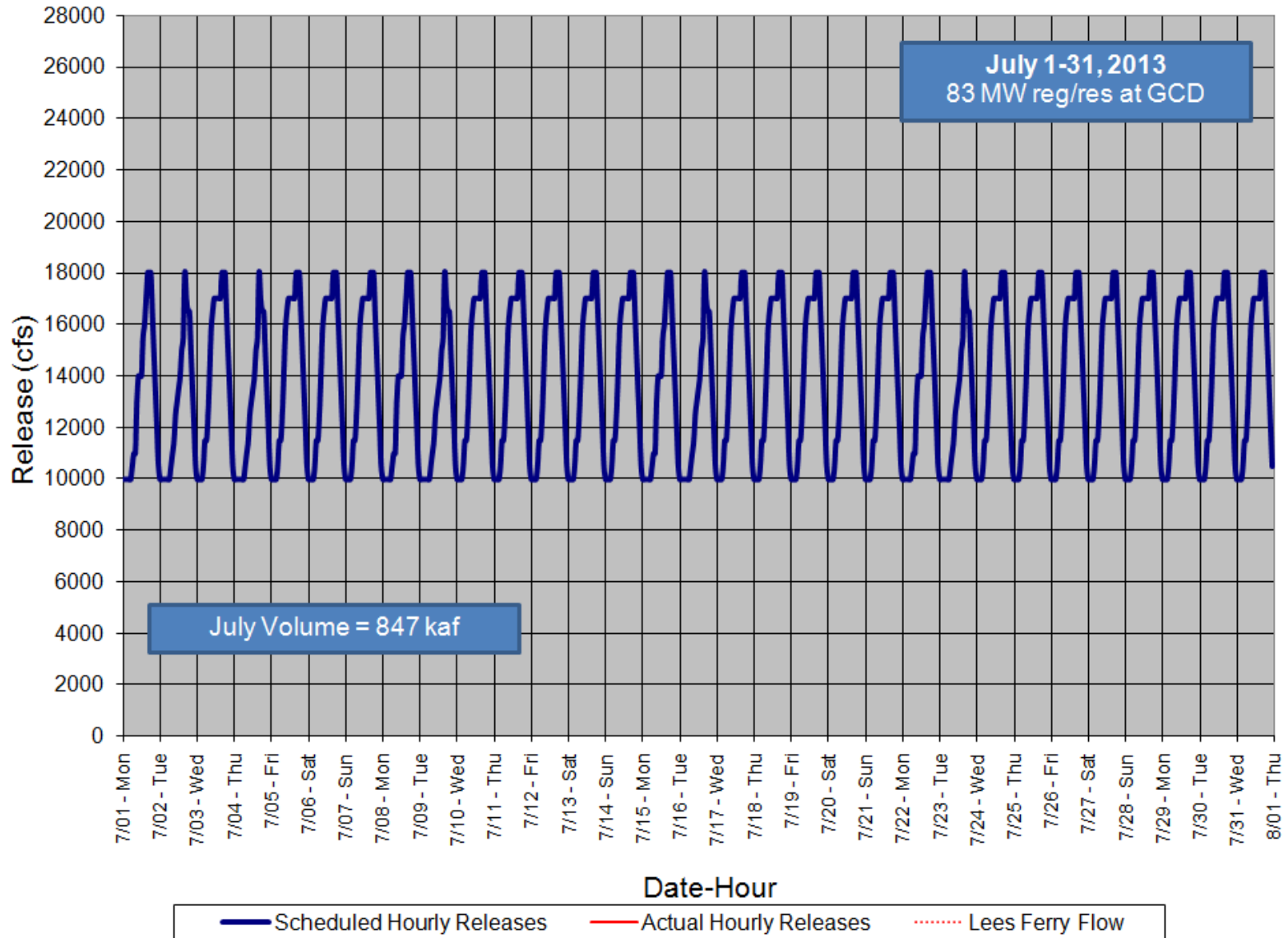
Glen Canyon Dam Hourly Release Pattern MAY 2013



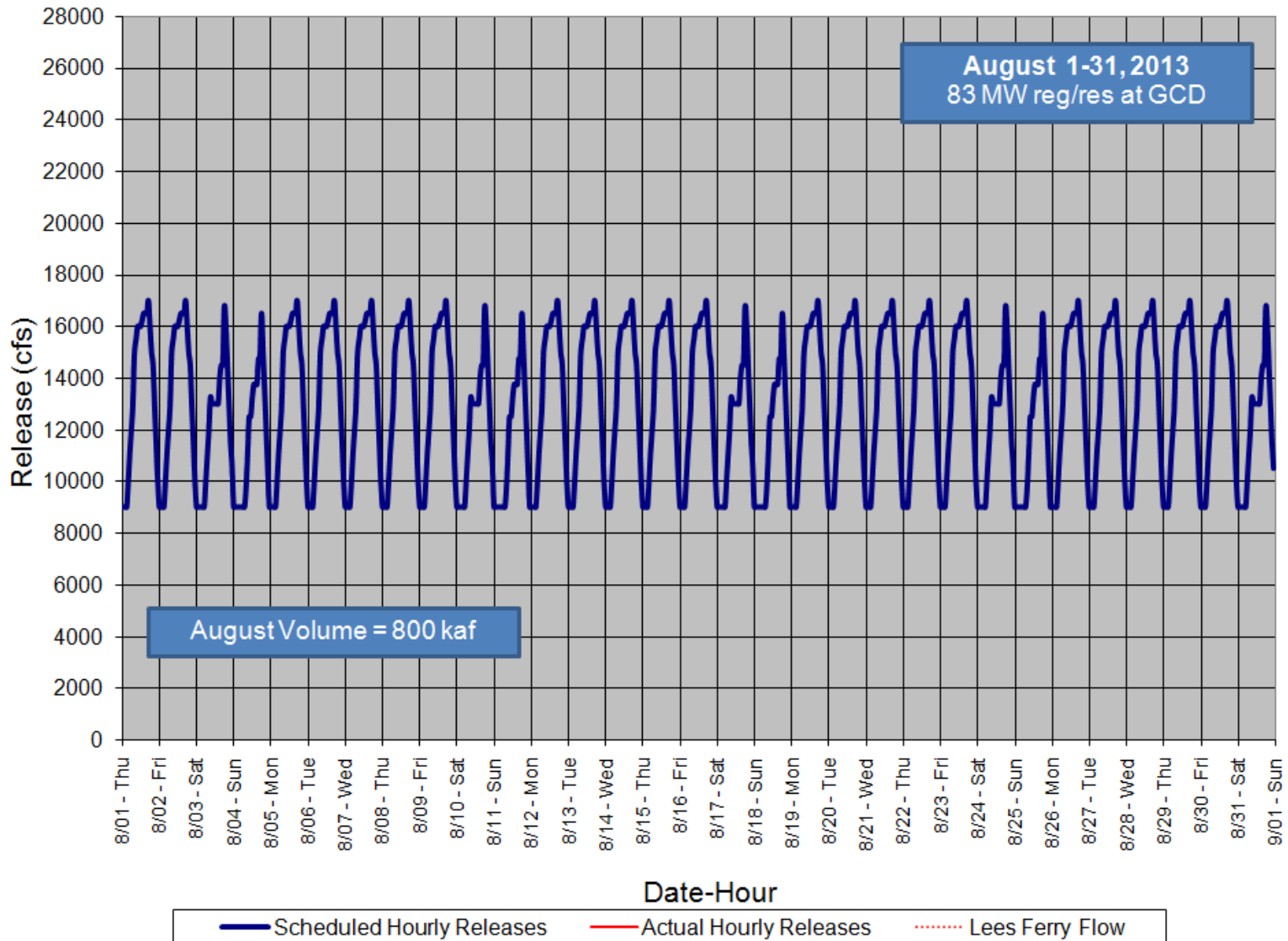
Glen Canyon Dam Hourly Release Pattern JUNE 2013



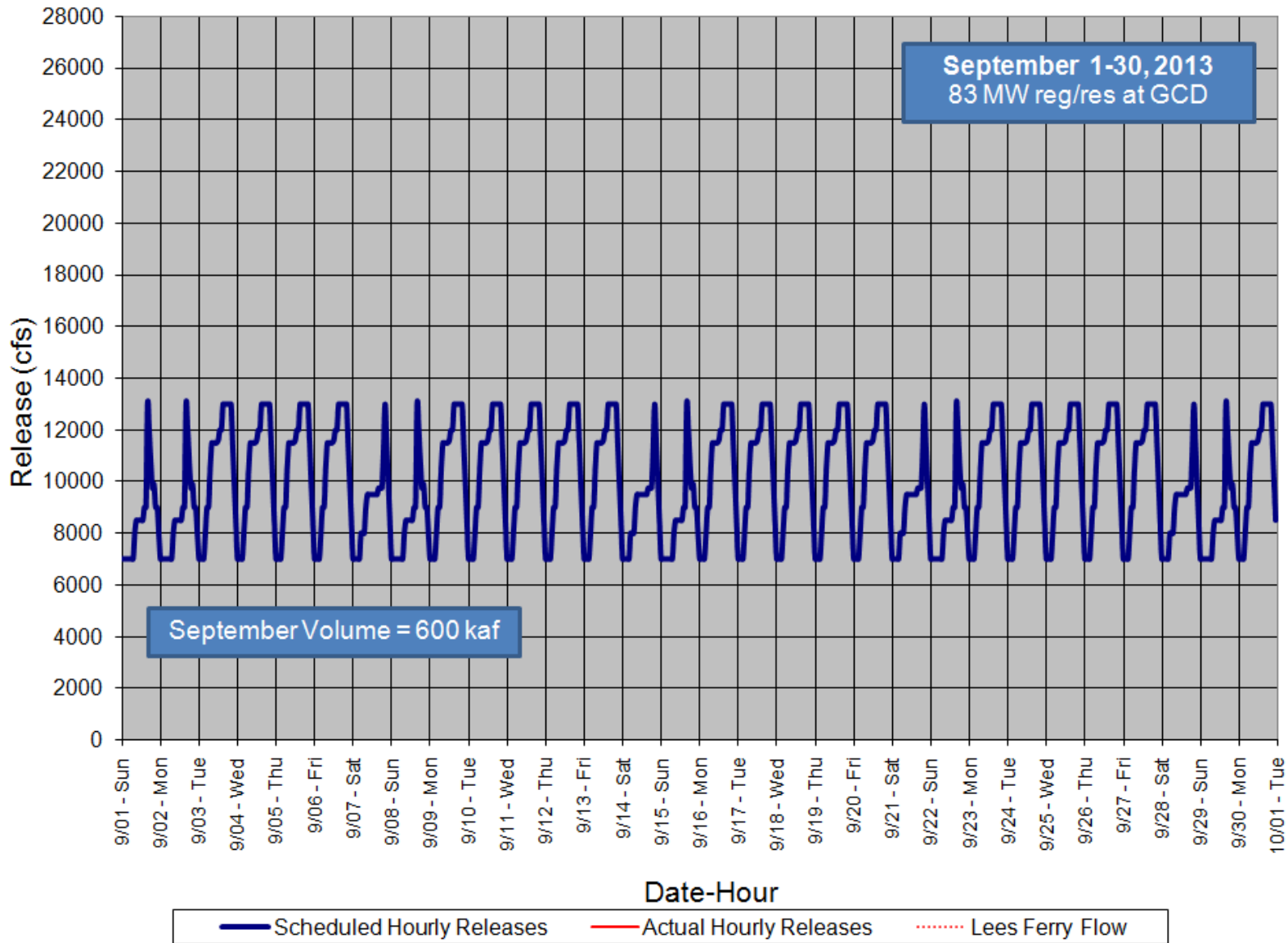
Glen Canyon Dam Hourly Release Pattern JULY 2013



Glen Canyon Dam Hourly Release Pattern AUG 2013



Glen Canyon Dam Hourly Release Pattern SEP 2013





Questions ?

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