



GCDAMP SUMMARY--- DASHBOARD

Technical Work Group- AHAHG

Provide quick insight to the status of the Colorado River as it applies to the Glen Canyon Dam Adaptive Management Program.



SCIENCE

1. GCMRC- LIDAR over-flight mapping of the river_ May 2013
2. PIUTE-CULTURAL RESOURCES MONITORING: May 30- June 7
3. GCMRC- LCR Aquatic Foodbase/Water Quality Monitoring_ 5-Jun 11-Jun
4. GCMRC- LCR HBC Chute Falls monitoring_ 11-Jun 19-Jun
5. NAVAJO- CULTURAL RESOURCES MONITORING: June 14-23

As of 5-30-2013

Change in Sand Mass

- Zero Bias Value: 190 Metric Tons
- Upper Uncertainty Bound: 870 Metric Tons
- Lower Uncertainty Bound: -500 Metric Tons

BACKGROUND

- RECREATION-**
- Boat Season: Motorized boats currently allowed on river. (May)
- GUIDING DOCUMENTS-**
- 2013 is year 2 of 10 for HFE protocol EA (2020)
 - 2013 is year 2 of 10 for NN Fish Control EA (2020)
 - 2013 is year 1 of 5 for Mexico to store water in U.S. reservoirs-- Minute 319
- WATER-**
1. Ave. water Temperature = 55 degrees
 2. Monthly Release = 8,000 cfs
 3. Water Year Release: 8.23 MAF
 4. HFE Scheduled: No
- Water quality= normal
 - CRSS: Lake Mead level predicted to be 1085' March 2015.
 - Forecasting: 55% chance of 8.23 for water year 2014. (Kgrantz-5-30-2013)
 - Forecasting: 45% chance of 7.48 for water year 2014. (Kgrantz-5-30-2013)
 - The observed unregulated inflow into Lake Powell for MAY was 48% of average
 - Forecasted unregulated inflows in Lake Powell:
 - June: 45% of average, July 29% of average, August 32% of average

HYDROPOWER

- For the month of May, 6 of the 8 units are available at GCD
- Unit 6 scheduled outage estimated return on-line = ~ September 2014
- Objective 2
- Objective 3

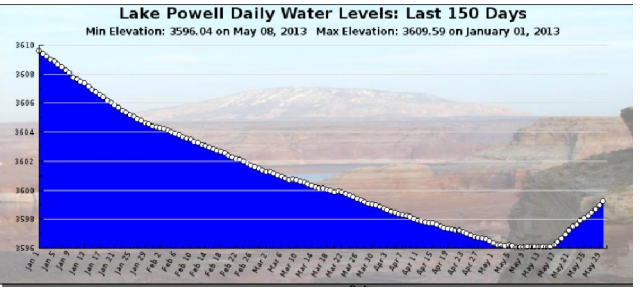
FISH

- Pop Estimate for HBC: Between 9,000 -12,000 (GCMRC 2013)
 - Pop Estimate for RSBU:
 - RBT Fishing @ Lees Ferry as of 6-7-2013 = Excellent
- As of 6-7-2013

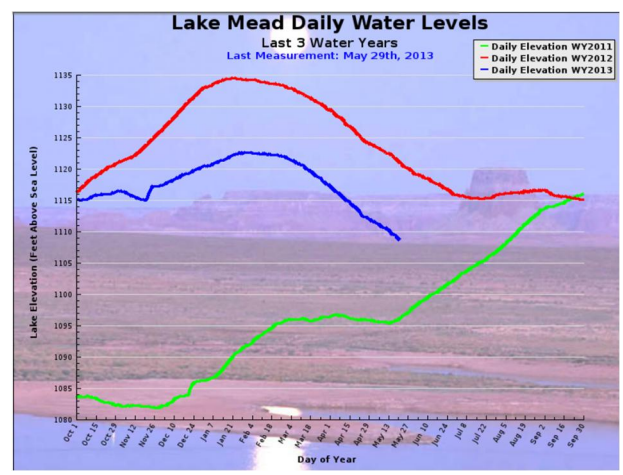
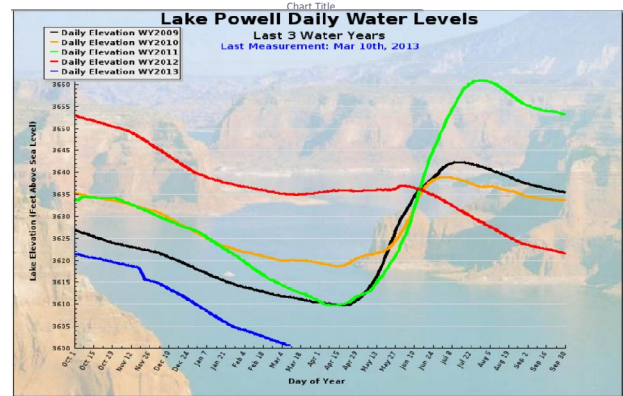


DETAILS

Lake Powell	3598	48% Full	May 27, 2013
Lake Mead	1108	48% Full	May 27, 2013
Reservoirs above Lake Powell	78%	Last Year: 82%	May 27, 2013
Total System Storage	32.28 MAF	Last Year: 62%	May 27, 2013
Total Precipitation			
Snowpack	56% of average		May 27, 2013
Day 240 Of 365	66% through water year		May 27, 2013



LAKE LEVELS



NEWS

- MAY 9_ National Park Service announces availability of Comprehensive Fish Management Plan EA- NPS
- MAY 23_ Feds find Quagga Mussels at Lake Powell_ Herald Extra
- MAY 23_ Global Warming: USGS study shows 20% decline in Rocky Mountain snow cover since 1980.
- MAY 28_ Amphibians disappearing at alarming rate_ Yahoo
- MAY 28_ Future of Colorado River on agenda in San Diego_ Yahoo

ADDITIONAL

- Next Meeting: TWG: June 26 AMWG: Aug 7-9
- TBD
- QUICK FACT: 85% of the water that feeds the Colorado River water system comes from the snowpack that accumulates on the western slope of the Rocky Mountains of WY, UT, NM, CO.



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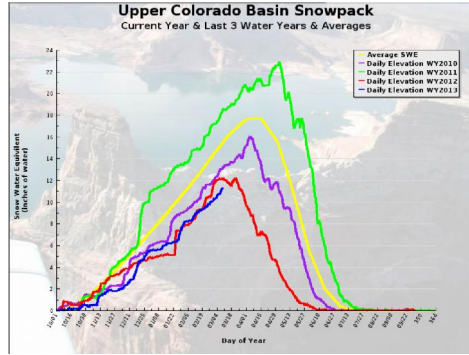
HYDROPOWER AND WATER

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

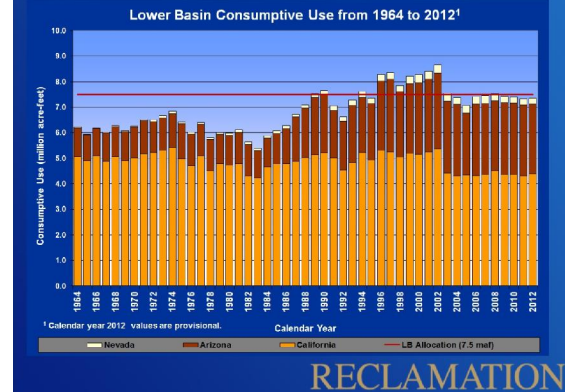
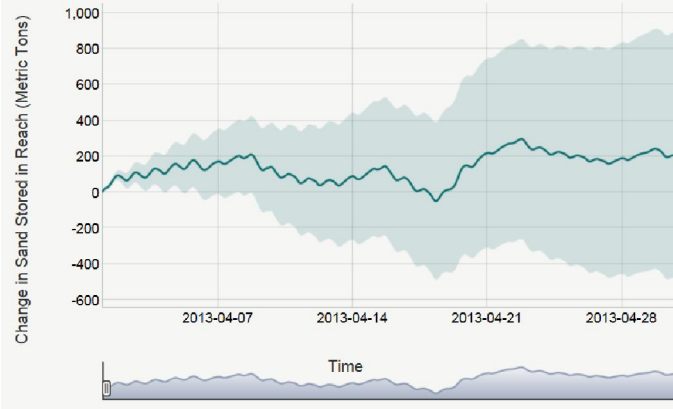
Unit Number	Oct 2012	Nov 2012	Dec 2012	Jan 2013	Feb 2013	Mar 2013	Apr 2013	May 2013	Jun 2013	Jul 2013	Aug 2013	Sep 2013
1												
2												
3												
4												
5												
6												
7												
8												
Units Available	6	8	7	7	6	6	6	6	6	6	6	5
Capacity (cfs)	19,500	25,200	21,300	21,300	14,300	14,300	16,600	14,700	18,000	18,000	18,000	14,500
Capacity (kaf/month)	1310	1390	1290	1290	920	1090	1110	980	1070	1110	1120	920
Max (kaf) ¹	--	--	--	--	--	--	600	800	850	800	600	600
Most (kaf) ²	494	730	801	801	600	600	551	600	800	850	800	600
Min (kaf) ¹	--	--	--	--	--	--	600	800	850	800	600	600

1. Based on Apr 2013 Min / Max probable 24-Month Study
2. Based on May 2013 Most probable 24-Month Study

(updated 5-15-2013)



SEDIMENT MODEL

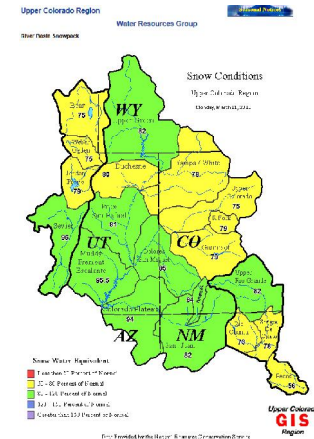


Glen Canyon Power Plant Provisional Unit Outage Schedule for Water Year 2014

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	6	6	6	6	4	5	6	6	6	6	6	5
Capacity (cfs)	14,800	17,500	17,900	17,900	11,300	14,400	17,900	14,400	17,900	18,000	18,000	14,700
Capacity (kaf/month)	1030	1070	1100	1100	710	1000	1040	1000	1090	1110	1110	950
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 May 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 5-15-2013)



HYDROGRAPH

- USBR
- Summit-tech
- GCMRC
- USGS