

Reservoir conditions of Lakes Powell & Mead as of July 1, 2018

Reservoir Powell	What is the total active storage of Lake Powell in acre-feet (af) when it is full (3700 feet)?	24,322,365 af
	What was the elevation of Lake Powell on July 1st?	3611 feet
	How many acre-feet of storage is there at elevation 3611?	12,831,222 af
	What is the Upper Basin's desired minimum elevation for Lake Powell?	3525 feet
	How many acre-feet of storage is there at elevation 3525 feet?	5,926,576 af
	What was the storage between elevation 3611 and 3525 in acre-feet on July 1?	6,904,646 af
Reservoir Mead	What is the total active storage of Lake Mead in acre-feet when it is full (1220 feet)?	25,944,281 af
	What was the elevation of Lake Mead on July 1st?	1077 feet
	How many acre-feet of storage is there at elevation 1077 feet?	9,531,484 af
	What is the elevation necessary to avoid a shortage call on January 1 (the official day for the shortage call)?	1075.01 feet
	How many acre-feet of storage is there at elevation 1075.01 feet?	9,369,853 af
	What was the storage between elevation 1077 and 1075.01 feet on July 1?	161,631 af
Safe yield Storage	The remaining safe yield storage of Lake Powell on July 1	6,904,646 af
	The remaining safe yield storage of Lake Mead on July 1	161,631 af
	Total safe yield storage of Lakes Powell & Mead on July 1	7,066,277 af
2017 Demand	How much water did the states and Mexico consume (including evaporation) in 2017 and in acre-feet (provisional data)?	12,368,095 af
The Imbalance	What is the difference between the safe yield remaining in Lakes Powell & Mead and the demand of the next 12 months, provided the total consumption equals the amount of 2017?	minus 5,301,818 af
Exhausting the safe yield	What are the calendar years when the total annual yield of the Colorado River basin was at or below 6 million acre-feet (maf) at Lee's Ferry gage?	1977 (5.4 maf) 2002 (6.0 maf)
References	24-month Report; Interim Guidelines; Upper Basin Drought Contingency Planning; Consumptive Use Reports; Natural Flow Data.	