

Lake Mead End-of-December 2019 Scenarios

• Review of Current Conditions

• Elevations

- Lake Powell: 3,582 ft (42% capacity)
- Lake Mead: 1,081 ft (31% capacity)

• Lake Powell 2019 April-July Unregulated Inflow Forecast

- December: 4.69 MAF (66% of 30-year average)
- January: 4.55 MAF (64% of 30-year average)

• Projected WY 2019 Lake Powell Release

- 8.66 MAF (from the December 24-Month Study)

• Scenarios

• *December 24-Month Study*

- Assuming 2019 Lake Powell inflow 66% of average

• *“Wetter than Forecast”*

- Assumes 2019 Lake Powell inflow greater than 79% of average (13% greater than December forecast)
- Results in 9.0 MAF WY 2019 release and 8.23 MAF (or greater) WY 2020 release

• *“Drier than Forecast”*

- Assumes 2019 Lake Powell inflow less than 65% of average (1% less than December forecast)
- Results in 8.23 MAF WY 2019 release and 7.48 MAF WY 2020 release

• *“Drier than Forecast plus no DCP”*

- Drier than forecast plus no DCP so EC-ICS is delivered up to max allowable

• End-of-December 2019 elevation could range from 1,077 ft to 1,055.5 ft

Lake Mead End-of-December 2019 Scenarios Assumptions

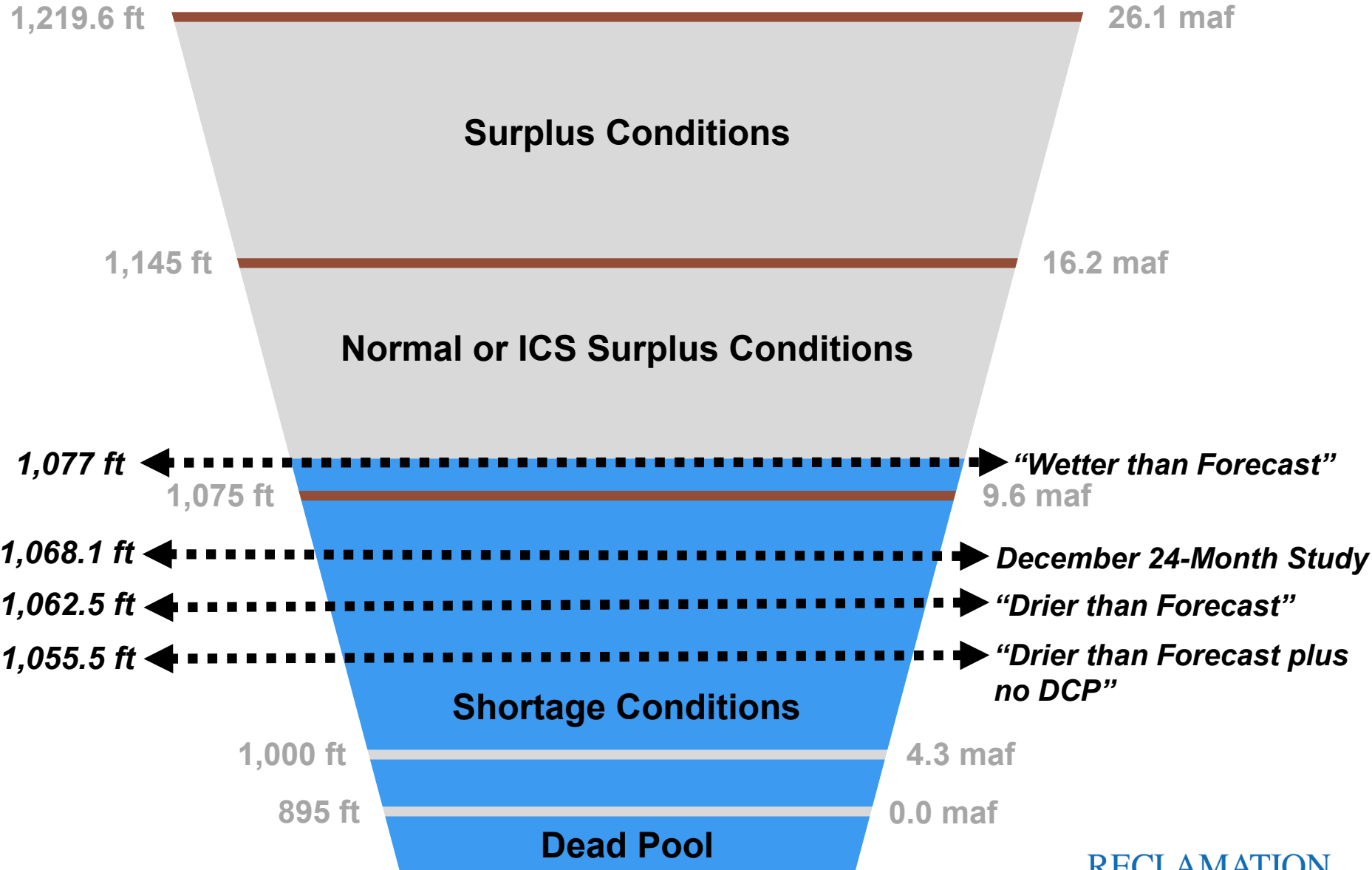
- December 2018 24-Month Study
 - Projection from the December 24-Month Study
 - Assumes “most-probable” inflow into Lake Powell for 2019 (66% of average of the 30-year period 1981-2010)
 - Lake Powell Release: 8.66 MAF in WY 2019, 7.48 MAF in WY 2020
 - Lower Basin inflows: 5-year (2013-2017) average
- “Wetter than Forecast”
 - Assumes 2019 Lake Powell inflow of 79% of average or more
 - Lake Powell Release: 9.00 MAF in WY 2019, 8.23 (or greater) MAF in WY 2020
- “Drier than Forecast”
 - Assumes 2019 Lake Powell inflow of 65% of average or less
 - Lake Powell Release: 8.23 MAF in WY 2019, 7.48 MAF in WY 2020
- “Drier than Forecast plus no DCP”
 - Assumes “Drier than Forecast” hydrology
 - Assumes EC ICS delivery of 525 KAF (400 KAF to CA and 125 KAF to NV)
 - From 2017 Water Accounting Report-
 - CA EC ICS Balance = 415,481 AF
 - NV EC ICS Balance = 124,700 AF

Lake Mead Scenarios

End-of-December 2019 Elevation

Scenario	End-of-December 2019 Lake Mead Elevation (feet above msl)	Difference from Dec-24 Month Study (feet)
Dec 24-Month Study	1,068.1	----
Wetter than Forecast	1,077.0	+ 8.9
Drier than Forecast	1062.5	- 5.6
Drier than Forecast plus no DCP	1055.5	- 12.6

Scenarios for End-of-December 2019 Elevations at Lake Mead



Not to scale