

Percent of Traces with Event or System Condition
Results from August 2018 CRSS^{1,2,3,4,5} (values in percent)

	Event or System Condition	2019	2020	2021	2022	2023
Upper Basin – Lake Powell	Equalization Tier	N	11	16	19	23
	<i>Equalization – annual release > 8.23 maf</i>	0	11	16	19	21
	<i>Equalization – annual release = 8.23 maf</i>	0	0	0	0	2
	Upper Elevation Balancing Tier	100	49	52	51	44
	<i>Upper Elevation Balancing – annual release > 8.23 maf</i>	75	43	43	43	33
	<i>Upper Elevation Balancing – annual release = 8.23 maf</i>	25	5	9	8	10
	<i>Upper Elevation Balancing – annual release < 8.23 maf</i>	0	1	0	0	1
	Mid-Elevation Release Tier	0	40	22	16	19
	<i>Mid-Elevation Release – annual release = 8.23 maf</i>	0	0	0	1	3
	<i>Mid-Elevation Release – annual release = 7.48 maf</i>	0	40	22	15	16
	Lower Elevation Balancing Tier	0	0	10	14	15
Lower Basin – Lake Mead	Shortage Condition – any amount (Mead ≤ 1,075 ft)	0	57	68	70	65
	<i>Shortage – 1st level (Mead ≤ 1,075 and ≥ 1,050)</i>	0	57	42	40	28
	<i>Shortage – 2nd level (Mead < 1,050 and ≥ 1,025)</i>	0	0	26	23	24
	<i>Shortage – 3rd level (Mead < 1,025)</i>	0	0	0	7	14
	Surplus Condition – any amount (Mead ≥ 1,145 ft)	0	0	3	5	7
	<i>Surplus – Flood Control</i>	0	0	0	1	2
	Normal or ICS Surplus Condition	100	43	29	25	27

¹ Reservoir initial conditions based on December 31, 2018 conditions as projected by the August 24-Month Study Most Probable run.

² Percentages computed from 110 hydrologic inflow sequences based on resampling of the observed natural flow record from 1906-2015 for a total of 110 traces analyzed.

³ Percentages shown may not sum to 100% due to rounding to the nearest percent.

⁴ Percentages shown may not be representative of the full range of future possibilities that could occur with different modeling assumptions.

⁵ The chance of a mid-year adjustment to equalization is negligible in water year 2019.