

**MWD Water Transactions with Member Agencies and State Water Project Water Conditions – Drought Years – 1990 to 2017**

<b>Calendar Year</b>	<b>MWD Water Transactions (million acre-feet)</b>	<b>Water Year Classification</b>	<b>Drought Discussed?</b>	<b>SWP Allocation</b>	<b>Further Information/Source</b>
1990	2.57	critical (Sac) critical (SJ)	Yes	100% M&I 50% Ag	“In 1990 California experienced its fourth consecutive year of drought—a drought that critically affected SWP’s operations.” <i>Source: DWR Bulletin 132-91; p.115</i>
1991	1.81	critical (Sac) critical (SJ)	Yes	30% M&I 0% Ag	Drought Action Team established by Governor’s Executive Order No. W-3-91 signed in February 1991 but no statewide declaration of emergency was made for the 1987-92 drought. <i>Source: DWR; 2000, July; <u>Preparing for California’s Next Drought: Changes Since 1987-92</u> ; pp. 29-31</i>  M&I allocation was as low as 10% on February 23 but was increased to 20% on April 11 as a result of the “March Miracle”, and in an unprecedented move DWR further increased the M&I allocation to 30% in October. <i>Source: (i) DWR; undated; <u>The 1991 Drought Water Bank</u>; p.1; <a href="http://www.water.ca.gov/waterconditions/docs/10_1991-water_bank.pdf">http://www.water.ca.gov/waterconditions/docs/10_1991-water_bank.pdf</a>; and (ii) <a href="http://www.water.ca.gov/news/newsreleases/2014/013114pressrelease.pdf">http://www.water.ca.gov/news/newsreleases/2014/013114pressrelease.pdf</a></i>
1992	1.94	critical (Sac) critical (SJ)	Yes	45% M&I 45% Ag	Initial allocation of 20% for both M&I and Ag was increased on March 20 to 45% for both M&I and Ag. <i>Source: DWR; 1993, July; <u>California’s 1987-92 Drought</u>; <a href="http://www.water.ca.gov/waterconditions/docs/2_drought-1987-92.pdf">http://www.water.ca.gov/waterconditions/docs/2_drought-1987-92.pdf</a></i>

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1994	2.01	critical (Sac) critical (SJ)	Yes	50% M&I 50% Ag	<p>“With below-average precipitation and runoff, the water year was classified as critically dry under SWRCB Decision 1485 criteria, and [DWR] declared the State to be under a <i>drought watch</i>, which lasted throughout the calendar year.”</p> <p><i>Source: DWR Bulletin 132-95; p.10</i></p> <p>“Because the precipitation for March was extremely low, and project supplies had not reached 2.0 million acre-feet, [DWR], on April 13, 1994, requested that contractors turn back any excess water allocations.”</p> <p><i>Source: DWR Bulletin 132-95; p.112</i></p>
2008	2.18	critical (Sac) critical (SJ)	Yes	35% M&I 35% Ag	<p>“In June 2008, the Governor issued Executive Order S-06-08 declaring a Statewide drought, which directed State agencies and departments to take immediate action to address the dry conditions.”</p> <p><i>Source: DWR Bulletin 132-09; p.xxxviii</i></p> <p>“DWR approved 1.04 maf of initial 2008 Table A requests on November 22, 2007, resulting in 25 percent of SWP water contractor requests. DWR increased the 2008 Table A amounts to 1.46 maf, or 35 percent on February 1, 2008.”</p> <p><i>Source: DWR Bulletin 132-09; p.xxxix</i></p>

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2009	1.96	dry (Sac) below normal (SJ)	Yes	40% M&I 40% Ag	<p>“In 2009, with California in its third consecutive year of drought, the Governor proclaimed a state of emergency on February 27, 2009, for the entire State as the severe drought conditions continued, and the impacts were felt well beyond the Central Valley.”</p> <p><i>Source: DWR Bulletin 132-10; p.xxxvi</i></p> <p>DWR approved 0.63 maf on November 29, 2008, resulting in initial Table A amounts of 15 percent of most SWP water contractor requests. DWR increased the 2009 Table A amounts to 1.67 maf, or 40 percent, on May 20, 2009.</p> <p><i>Source: DWR Bulletin 132-10; p.xxxvii</i></p>
2010	1.66	below normal (Sac) above normal (SJ)	Yes	50% M&I 50% Ag	<p>“Even with a return to normal precipitation and reservoir levels, and an above normal Sierra snowpack, SWP deliveries will remain limited due to current restrictions on Delta pumping to protect native fish species. The 50 percent allocation, although a dramatic increase from the amount originally estimated for this year, will still leave many communities, farms and businesses with limited alternative supplies.”</p> <p><i>Source: DWR; 210, June 30; California’s Drought Update; p.11</i></p> <p>“Long-term drought is continuing...Water project allocations remain substantially below normal for the SWP (50 percent of contractors’ requested deliveries) and for parts of the CVP (45 percent for south-of-Delta agricultural contractors and 75 percent for south-of-Delta municipal contractors), reflecting Delta export restrictions.”</p> <p><i>Source: DWR; 2010, September; California’s Drought of 2007–2009; p.2</i></p>

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2014	2.02	critical (Sac) critical (SJ)	Yes	5% M&I 5% Ag	<p>Governor Brown Declares Drought State of Emergency, January 17, 2014  <i>Source: <a href="https://www.gov.ca.gov/news.php?id=18368">https://www.gov.ca.gov/news.php?id=18368</a></i></p> <p>“The 2014 Initial Allocation made on 11/19/13 was 5%, but was later reduced to Zero on 1/31/14 when hydrologic conditions turned historically dry. Although this increase from Zero back to 5% will provide much needed relief in meeting critical water needs in 2014, it remains the lowest overall allocation in SWP history. DWR is taking prudent steps in preparing for continued drought conditions should they persist into 2015.”  <i>Source: DWR; 2014, April 18; <a href="#">State Water Project Allocation Increase back to 5 Percent</a>; Notice to State Water Project Contractors; <a href="http://www.water.ca.gov/swpao/docs/notices/14-07.pdf">http://www.water.ca.gov/swpao/docs/notices/14-07.pdf</a></i></p>
2015	1.74	critical (Sac) critical (SJ)	Yes	20% M&I 20% Ag	<p>“Adding to water managers’ concerns during the drought is California’s record-low snowpack, which will contribute little runoff into reservoirs as it melts. Storage in all of California’s major reservoirs currently is far below historical averages for late May. Shasta Lake, the state’s largest, is at 62 percent of that average, Lake Oroville is at 53 percent and New Melones now holds 30 percent of its late May average.”  <i>Source: DWR; 2015, May 29; <a href="#">Emergency Drought Barrier Nears Completion</a>; DWR Press Release; <a href="http://www.water.ca.gov/news/newsreleases/2015/052915.pdf">http://www.water.ca.gov/news/newsreleases/2015/052915.pdf</a></i></p>

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2016	1.68	below normal (Sac) dry (SJ)	Yes	60% M&I 60% Ag	<p>“This allocation increase is made consistent with the current and projected hydrological conditions...DWR considered several factors, including California’s persistent drought evidenced by below normal snow accumulation and continued low storage in SWP facilities located south of the Delta...”</p> <p><i>Source: 2016, April 21; 2016 State Water Project Allocation – 60 Percent; Notice to State Water Project Contractors; <a href="http://www.water.ca.gov/swpao/docs/notices/16-06.pdf">http://www.water.ca.gov/swpao/docs/notices/16-06.pdf</a></i></p>

Sac = Sacramento River System

SJ = San Joaquin River System

MWD water transactions with Member Agencies include water sales, exchanges, and wheeling, and between 1990 and 2017 ranged from 1.37 to 2.57 million acre-feet.