

Summary of Water Conditions

February 1, 2020

Water year 2020 started out bone dry until the last week in November when a major Pacific storm brought decent amounts of rain to California with moisture continuing through most of December, then lagging some in January. As a result, accumulated rainfall and snowpack are substantially below average for this time of year. The dryness is reflected in the snowpack which is about three-fourths average for the first of February. Reservoir storage, carried over from the wet 2019, is the bright spot at about 10 percent over average.

Forecasts of median April through July runoff are for about 70 percent of average compared to last year's 90 percent on this date and an eventual 170 percent at the end of the snow melt season. Water year 2020 runoff is projected to be a rather dry 65 percent of average. In 2019 total water year runoff was estimated to be about 145 percent of average.

Snowpack water content is about 75 percent of average for this date compared to 105 percent a year ago. The pack is about 45 percent of the April 1 average, which is normally the date of maximum accumulation. Regional amounts on February 1 are clustered fairly tightly ranging from about 80 percent on the North Coast region to about 65 percent in the North Lahontan region.

Precipitation from October through January was about 75 percent of average, quite a bit less than the 95 percent reported last year at this time. It has been wetter in the south with near normal seasonal amounts there.

Runoff to date has been about 50 percent of average statewide compared to 70 percent last year at this time. Estimated January runoff was about 45 percent. Estimated runoff of the eight major rivers of the Sacramento-San Joaquin region in January was about 0.126 million acre-feet.

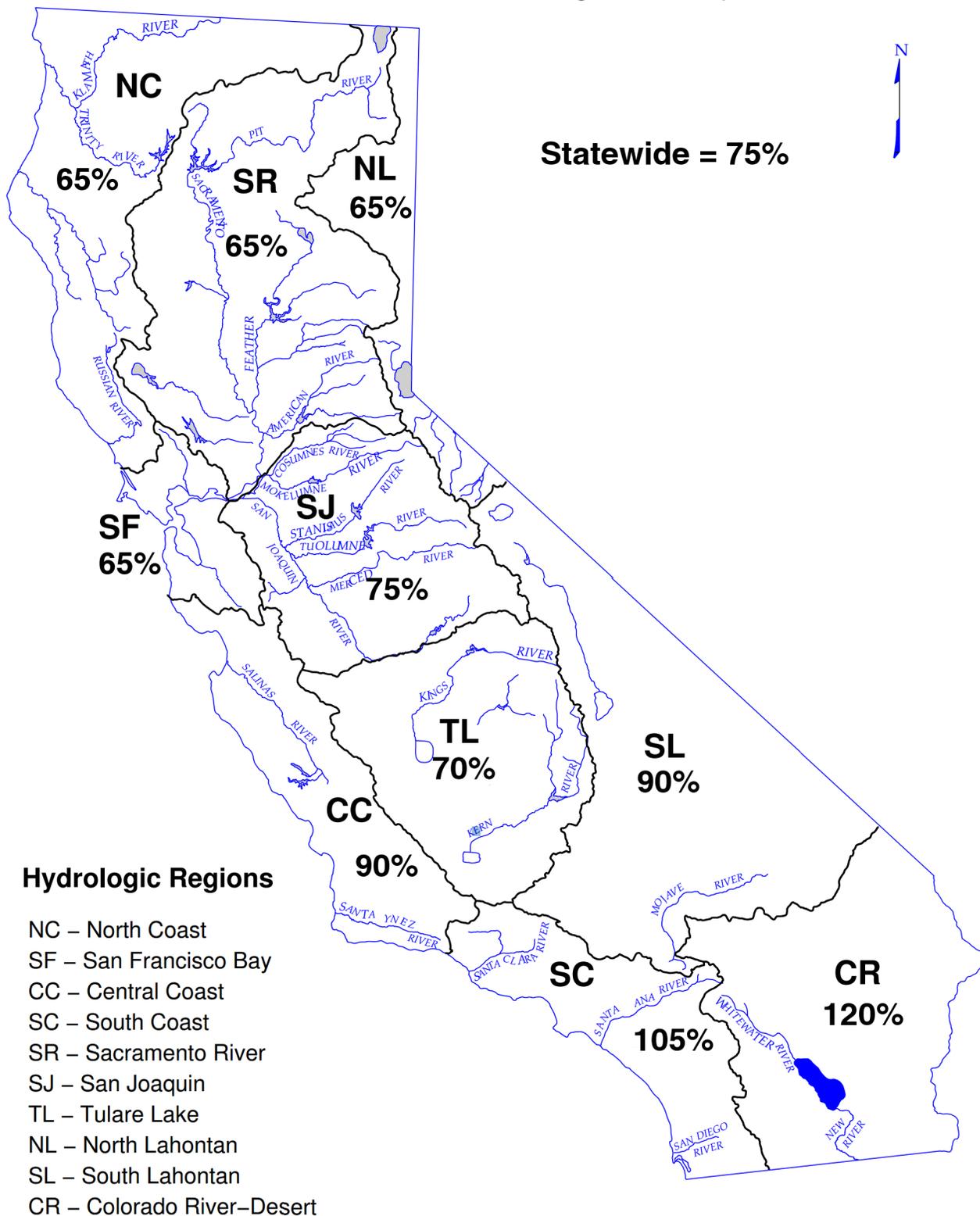
Reservoir storage is about 110 percent of average, compared to 100 percent last year. Lake Oroville, at about 2.2 million acre-feet, is near normal; last year it held 1.4 million acre-feet at this time.

SUMMARY OF WATER CONDITIONS IN PERCENT OF AVERAGE

HYDROLOGIC REGION	PRECIPITATION OCTOBER 1 TO DATE	FEBRUARY 1 SNOW WATER CONTENT	FEBRUARY 1 RESERVOIR STORAGE	RUNOFF OCTOBER 1 TO DATE	APRIL-JULY RUNOFF FORECAST	WATER YEAR RUNOFF FORECAST
NORTH COAST	65	80	115	35	70	65
SAN FRANCISCO BAY	65	--	100	30	--	--
CENTRAL COAST	90	--	90	55	--	--
SOUTH COAST	105	--	95	30	--	--
SACRAMENTO RIVER	65	75	105	60	70	65
SAN JOAQUIN RIVER	75	70	115	45	70	65
TULARE LAKE	70	80	100	70	70	65
NORTH LAHONTAN	65	65	160	70	70	70
SOUTH LAHONTAN	90	70	105	100	70	80
COLORADO RIVER	120	--	--	--	--	--
STATEWIDE	75	75	110	50	70	65

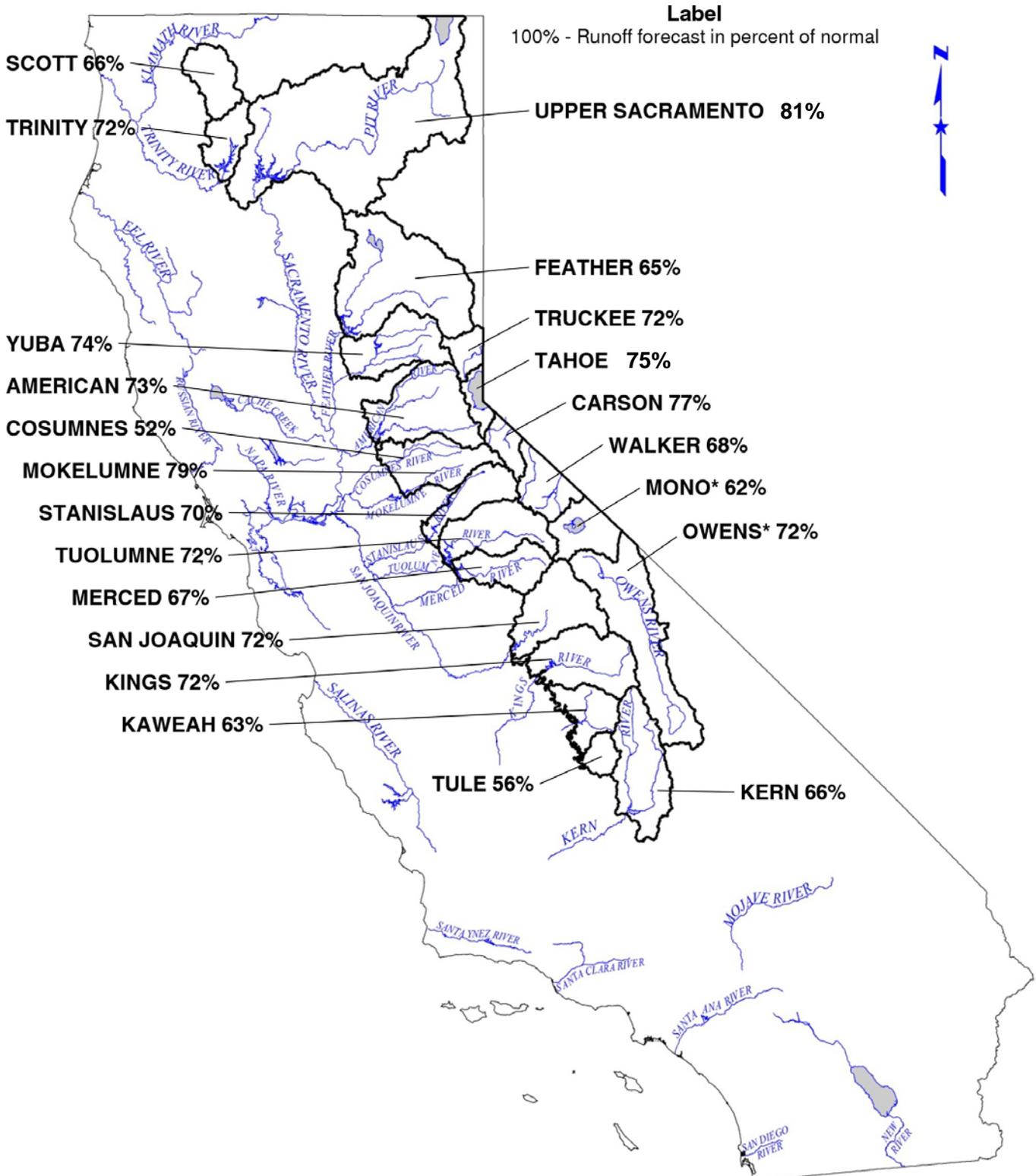
DEPARTMENT OF WATER RESOURCES CALIFORNIA COOPERATIVE SNOW SURVEYS SEASONAL PRECIPITATION

IN PERCENT OF AVERAGE TO DATE
October 1, 2019 through January 31, 2020



WATER YEAR IS OCTOBER 1 THROUGH SEPTEMBER 30

DEPARTMENT OF WATER RESOURCES CALIFORNIA COOPERATIVE SNOW SURVEYS FORECAST OF APRIL-JULY UNIMPAIRED SNOWMELT RUNOFF February 1, 2020



* FORECAST BY DEPARTMENT OF WATER AND POWER, CITY OF LOS ANGELES

**February 1, 2020 FORECASTS
APRIL-JULY UNIMPAIRED RUNOFF**

HYDROLOGIC REGION and Watershed	Apr-Jul Unimpaired Runoff in 1,000 Acre-Feet (1)					
	HISTORICAL			FORECAST		
	50 Yr Avg (2)	Max of Record (10)	Min of Record (10)	Apr-Jul Forecast	Pct of Avg	80% Probability Range (1)
North Coast						
Trinity River at Lewiston Lake	639	1,593	80	460	72%	310 - 560
SACRAMENTO RIVER						
Upper Sacramento River						
Sacramento River at Delta above Shasta Lake	295	751	39	200	68%	
McCloud River above Shasta Lake	385	850	185	340	88%	
Pit River near Montgomery Creek + Squaw Creek	1,020	2,098	480	870	85%	
Total Inflow to Shasta Lake	1,756	3,525	711	1,420	81%	1,150 - 1,660
Sacramento River above Bend Bridge, near Red Bluff	2,421	5,117	943	1,800	74%	1,400 - 2,190
Feather River						
Feather River at Lake Almanor near Prattville (3)	333	675	120	210	63%	
North Fork at Pulga (3)	1,028	2,416	243	680	66%	
Middle Fork near Clio (4)	86	518	4	55	64%	
South Fork at Ponderosa Dam (3)	110	267	13	70	64%	
Feather River at Oroville	1,704	4,676	378	1,100	65%	750 - 1,460
Yuba River						
North Yuba below Goodyears Bar	279	647	51	210	75%	
Inflow to Jackson Mdws and Bowman Reservoirs (3)	112	236	25	85	76%	
South Yuba at Langs Crossing (3)	233	481	57	170	73%	
Yuba River near Smartsville plus Deer Creek	968	2,424	151	720	74%	510 - 1,000
American River						
North Fork at North Fork Dam (3)	262	716	43	190	73%	
Middle Fork near Auburn (3)	522	1,406	100	380	73%	
Silver Creek below Camino Diversion Dam (3)	173	386	37	125	72%	
American River below Folsom Lake	1,199	3,074	185	880	73%	600 - 1,240
SAN JOAQUIN RIVER						
Cosumnes River at Michigan Bar	125	446	8	65	52%	35 - 110
Mokelumne River						
North Fork near West Point (5)	437	829	104	340	78%	
Total Inflow to Pardee Reservoir	457	1,076	75	360	79%	250 - 490
Stanislaus River						
Middle Fork below Beardsley Dam (3)	334	702	64	230	69%	
North Fork Inflow to McKays Point Dam (3)	224	503	34	160	71%	
Stanislaus River below Goodwin Reservoir (9)	682	1,710	116	480	70%	390 - 640
Tuolumne River						
Cherry Creek & Eleanor Creek near Hetch Hetchy	315	727	97	230	73%	
Tuolumne River near Hetch Hetchy	604	1,392	153	430	71%	
Tuolumne River below La Grange Reservoir (9)	1,193	2,682	301	860	72%	700 - 1,120
Merced River						
Merced River at Pohono Bridge	372	888	80	250	67%	
Merced River below Merced Falls (9)	623	1,587	104	420	67%	350 - 550
San Joaquin River						
San Joaquin River at Mammoth Pool (7)	1,026	2,279	235	740	72%	
Big Creek below Huntington Lake (8)	91	264	11	65	71%	
South Fork near Florence Lake (7)	201	511	58	145	72%	
San Joaquin River inflow to Millerton Lake	1,228	3,355	193	880	72%	680 - 1,110
TULARE LAKE						
Kings River						
North Fork Kings River near Cliff Camp (3)	239	565	50	170	71%	
Kings River below Pine Flat Reservoir	1,210	3,113	208	870	72%	630 - 1,110
Kaweah River below Terminus Reservoir						
	285	814	42	180	63%	140 - 240
Tule River below Lake Success						
	63	259	1	35	56%	20 - 55
Kern River						
Kern River near Kernville	384	1,203	83	250	65%	
Kern River inflow to Lake Isabella	458	1,657	57	300	66%	210 - 410

(1) See inside the back cover for definition.

(2) All 50 year averages are based on years 1966-2015 unless otherwise noted.

(3) 50 year average based on years 1941-90.

(4) 44 year average based on years 1936-79.

(5) 36 year average based on years 1936-72.

(6) 45 year average based on years 1936-81.

(7) 50 year average based on years 1953-2002.

(8) 50 year average based on years 1946-1995.

**February 1, 2020 FORECASTS
WATER YEAR UNIMPAIRED RUNOFF**

HISTORICAL			Water Year Unimpaired Runoff in 1,000 Acre-Foot (1)										FORECAST		
50 Yr Avg (2)	Max of Record (10)	Min of Record (10)	DISTRIBUTION										Water Year Forecast	Pct of Avg	80% Probability Range (1)
			Oct Thru Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep				
1,348	2,990	200	155	90	150	170	190	80	20	9	6	870	65%	635 - 1,030	
860	1,966	165	143	75	100	95	65	25	15	12	10	540	63%	- - -	
1,183	2,353	557	299	85	130	115	95	70	60	57	54	965	82%	- - -	
3,002	5,150	1,484	739	230	325	260	230	205	175	152	154	2,470	82%	- - -	
5,831	10,796	2,479	1,286	490	625	520	410	270	220	200	194	4,215	72%	3,655 - 4,930	
8,544	17,180	3,294	1,783	740	940	670	510	350	270	240	237	5,740	67%	4,860 - 6,600	
780	1,269	366													
2,417	4,400	666													
219	637	24													
291	562	32													
4,407	10,178	994	781	295	460	445	380	175	100	80	69	2,785	63%	2,145 - 3,445	
564	1,056	102													
181	292	30													
379	565	98													
2,268	5,604	369	334	140	225	300	295	100	25	16	15	1,450	64%	1,120 - 1,885	
616	1,234	66													
1,070	2,575	144													
318	705	59													
2,626	7,391	349	289	160	275	350	355	150	25	10	6	1,620	62%	1,195 - 2,165	
379	1,253	20	34	25	35	35	20	8	2	1	0	160	42%	100 - 250	
626	1,009	197													
748	1,901	129	56	35	55	110	165	75	10	2	2	510	68%	370 - 680	
471	929	88													
-	-	-													
1,149	3,078	155	115	50	95	160	205	95	20	6	4	750	65%	630 - 970	
461	1,147	123													
770	1,661	258													
1,909	4,631	383	144	85	155	235	360	225	40	10	6	1,260	66%	1,050 - 1,600	
461	1,020	92													
992	2,787	150	66	35	60	120	185	95	20	6	3	590	59%	500 - 760	
1,337	2,964	308													
112	298	14													
248	653	71													
1,793	4,642	327	107	40	80	200	350	245	85	25	13	1,145	64%	900 - 1,425	
284	607	58													
1,702	4,287	359	125	40	75	185	355	250	80	25	10	1,145	67%	860 - 1,430	
451	1,402	89	35	15	25	50	75	45	10	3	2	260	58%	210 - 340	
147	615	10	19	7	10	16	13	5	1	0	0	71	48%	45 - 105	
558	1,577	163													
728	2,318	130	106	25	40	65	110	90	35	18	11	500	69%	380 - 650	

(9) Forecast point names based on USGS gage names. Stanislaus below Goodwin also known as inflow to New Melones, Tuolumne River below La Grange also known as inflow to Don Pedro, Merced River below Merced Falls also known as inflow to McClure.

(10) For the tributaries, the period of record over which the minimum and maximum values are found does not include years after water year 2011.

* Unimpaired runoff in months prior to forecast date are based on measured flows.

**February 1, 2020 FORECASTS
APRIL-JULY UNIMPAIRED RUNOFF**

HYDROLOGIC REGION and Watershed	Apr-Jul Unimpaired Runoff in 1,000 Acre-Feet (1)				
	HISTORICAL			FORECAST	
	50 Yr Avg (2)	Max of Record (6)	Min of Record (6)	Apr-Jul Forecast	Pct of Avg

NORTH COAST

Scott River					
Scott River nr Ft Jones (3)	173	398	22	114	66%
Klamath River					
Total inflow to Upper Klamath Lake (4)	475	1,150	149	434	91%

NORTH LAHONTAN

Truckee River					
Lake Tahoe to Farad accretions	250	713	48	180	72%
Lake Tahoe Rise (assuming gates closed, ft)	1.3	5.4	0.2	1.0	75%
Carson River					
West Fork Carson River at Woodfords	52	135	10	43	83%
East Fork Carson River near Gardnerville	182	480	43	140	77%
Walker River					
West Walker River below Little Walker, near Coleville	153	410	35	110	72%
East Walker River near Bridgeport	61	209	7	35	57%

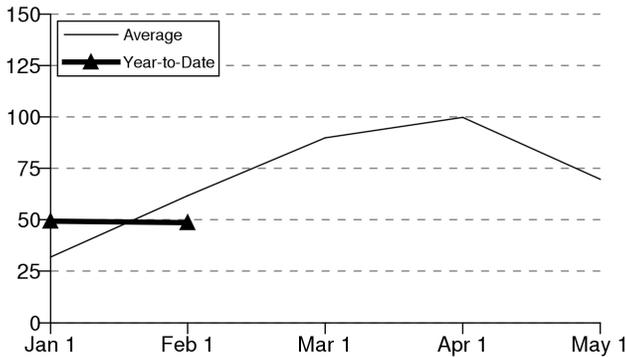
SOUTH LAHONTAN

Owens River					
Total tributary flow to Owens River (5)	231	579	84	167	72%

(1) See inside the back cover for definition.
(2) All 50 year averages are based on years 1966-2015 unless otherwise noted.
(3) Forecast by National Weather Service California-Nevada River Forecast Center. 30 yr average (1981-2010).
(4) Forecast by U.S. Natural Resources Conservation Service and National Weather Service California-Nevada River Forecast Center, April through September forecast, 30 year average based on years 1981-2010.
(5) Forecast by Department of Water and Power, City of Los Angeles, average based on years 1961-2010.
(6) For the tributaries, the period of record over which the minimum values are found does not include years after water year 2011.

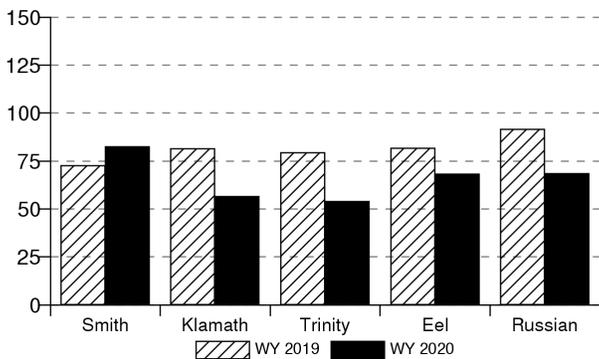
NORTH COAST REGION

Snowpack Accumulation
Water Content in % of April 1 Average



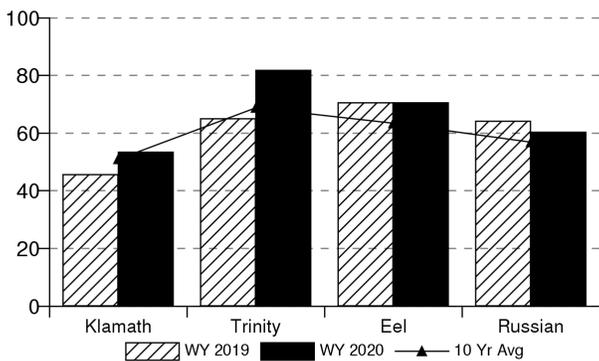
SNOWPACK First of the month measurements made at 11 snow courses indicate an area wide snow water equivalent of 14.8 inches. This is 50 percent of the seasonal April 1 average and 80 percent of the February 1 average. Last year at this time the pack was holding 19.0 inches of water.

Precipitation
October 1 to date in % of average



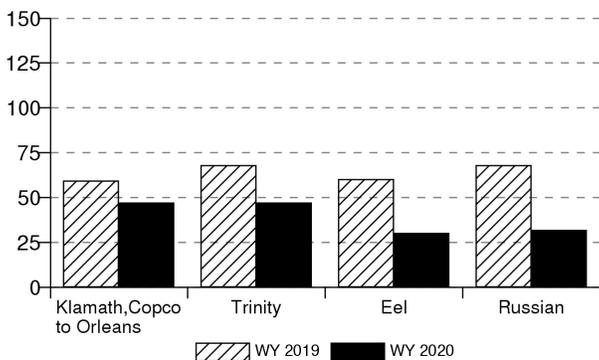
PRECIPITATION Seasonal precipitation (October 1 through to the end of January) on this area was 65 percent of normal. Precipitation last month was about 75 percent of the monthly average. Season precipitation at this time last year stood at 80 percent of normal.

Reservoir Storage
Contents of major reservoirs in % of capacity



RESERVOIR STORAGE First of the month storage at 6 reservoirs was 2.39 million acre-feet which is 115 percent of average. About 75 percent of available capacity was being used. Storage in these reservoirs at this time last year was 95 percent of average.

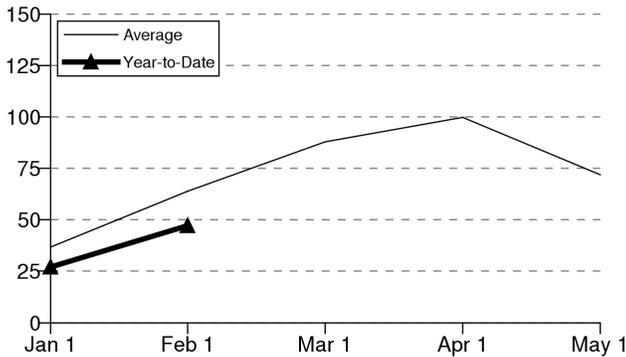
Runoff
October 1 to date in % of average



RUNOFF Seasonal runoff of streams draining this area totaled 1.82 million acre-feet which is 35 percent of average. Last year, runoff for the same period was 60 percent of average.

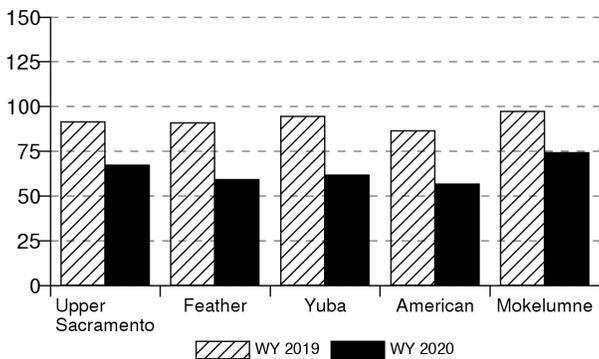
SACRAMENTO RIVER REGION

Snowpack Accumulation
Water Content in % of April 1 Average



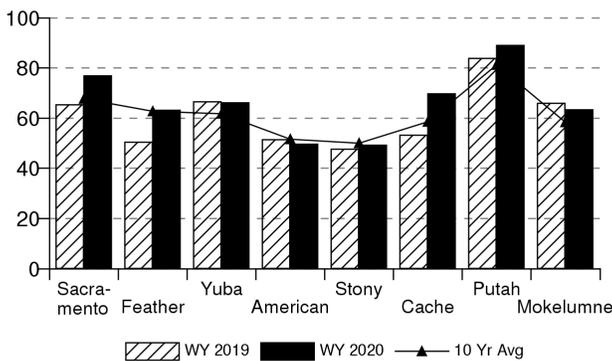
SNOWPACK First of the month measurements made at 74 snow courses indicate an area wide snow water equivalent of 13.8 inches. This is 50 percent of the seasonal April 1 average and 75 percent of the February 1 average. Last year at this time the pack was holding 19.0 inches of water.

Precipitation
October 1 to date in % of average



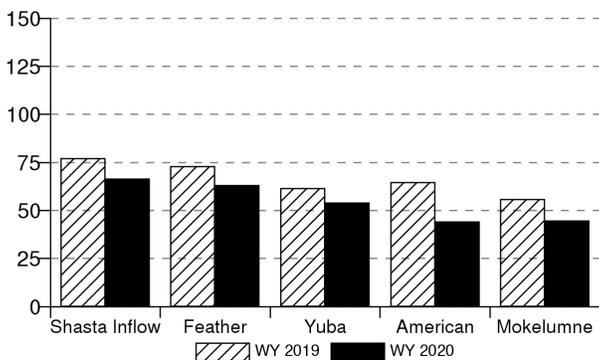
PRECIPITATION Seasonal precipitation (October 1 through to the end of January) on this area was 65 percent of normal. Precipitation last month was about 40 percent of the monthly average. Season precipitation at this time last year stood at 95 percent of normal.

Reservoir Storage
Contents of major reservoirs in % of capacity



RESERVOIR STORAGE First of the month storage at 43 reservoirs was 11.10 million acre-feet which is 105 percent of average. About 70 percent of available capacity was being used. Storage in these reservoirs at this time last year was 95 percent of average.

Runoff
October 1 to date in % of average

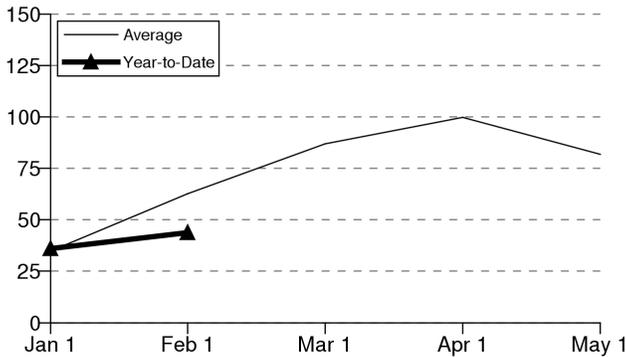


RUNOFF Seasonal runoff of streams draining this area totaled 3.19 million acre-feet which is 60 percent of average. Last year, runoff for the same period was 75 percent of average.

The **Sacramento Region 40-30-30 Water Supply Index** is forecast to be 7.1 assuming median meteorological conditions for the remainder of the year. This classifies the year as "below normal" in the Sacramento Valley according to the State Water Resources Control Board.

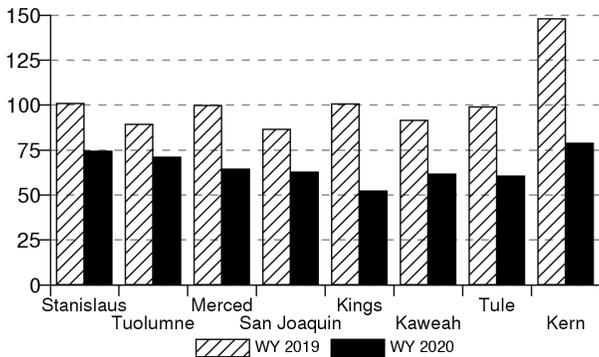
SAN JOAQUIN RIVER AND TULARE LAKE REGIONS

Snowpack Accumulation
Water Content in % of April 1 Average



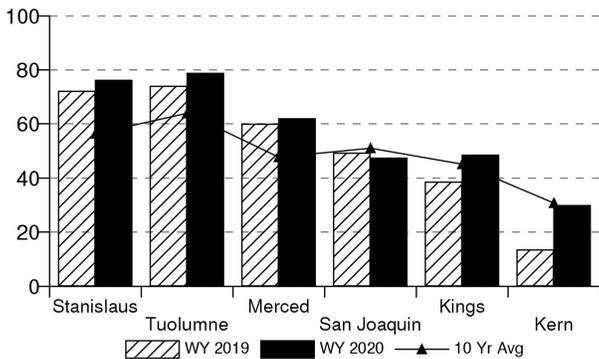
SNOWPACK - First of the month measurements made at **San Joaquin Region** snow courses indicate an area wide snow water equivalent of 13.6 inches. This is 45 percent of the seasonal April 1 average and 70 percent of the February 1 average. Last year this time the pack was holding less than 20.4 inches of water. At the same time **Tulare Lake** snow courses indicate a basin-wide snow water equivalent of 10.4 inches. This is 45 percent of the seasonal April 1 average and 75 percent of the February 1 average. Last year at this time the pack was holding less than 16.0 inches of water.

Precipitation
October 1 to date in % of average



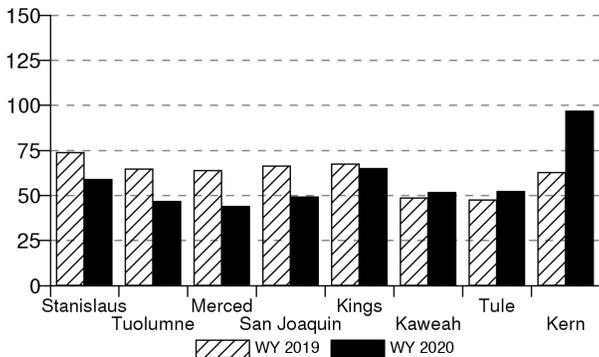
PRECIPITATION - Seasonal precipitation (October 1 through to the end of January) on the **San Joaquin Region** was 75 percent of normal. Precipitation last month was about 30 percent of the monthly average. Season precipitation at this time last year stood at 100 percent of normal. Seasonal precipitation (October 1 through to the end of January) on the **Tulare Lake Region** was 70 percent of normal. Precipitation last month was about 20 percent of the monthly average. Season precipitation at this time last year stood at 100 percent of normal.

Reservoir Storage
Contents of major reservoirs in % of capacity



RESERVOIR STORAGE - First of the month storage in 34 **San Joaquin Region** reservoirs was 8.04 million acre-feet which is 115 percent of average. About 70 percent of available capacity was being used. Storage in these reservoirs at this time last year was 115 percent of average. First of the month storage in 6 **Tulare Lake Region** reservoirs was 774 thousand acre-feet which is 100 percent of average. About 35 percent of available capacity was being used. Storage in these reservoirs at this time last year was 75 percent of average.

Runoff
October 1 to date in % of average

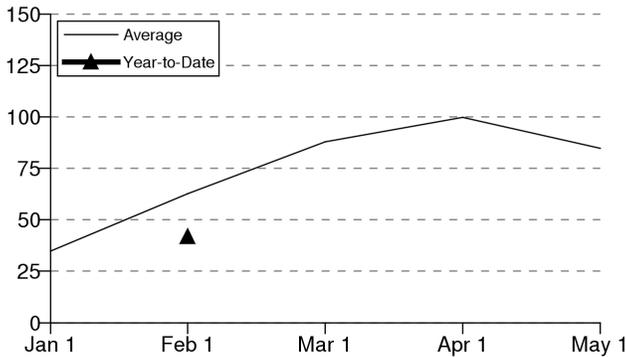


RUNOFF - Seasonal runoff of streams draining the **San Joaquin Region** totaled 521 thousand acre-feet which is 45 percent of average. Last year, runoff for the same period was 65 percent of average. Seasonal runoff of streams draining the **Tulare Lake Region** area totaled 285 thousand acre-feet which is 70 percent of average. Last year, runoff for the same period was 60 percent of average.

The **San Joaquin Region 60-20-20 Water Supply Index** is forecast to be 2.5 assuming 75 percent of median meteorological conditions. This classifies the year as "Below Normal" in the San Joaquin according to the State Water Resources Control Board.

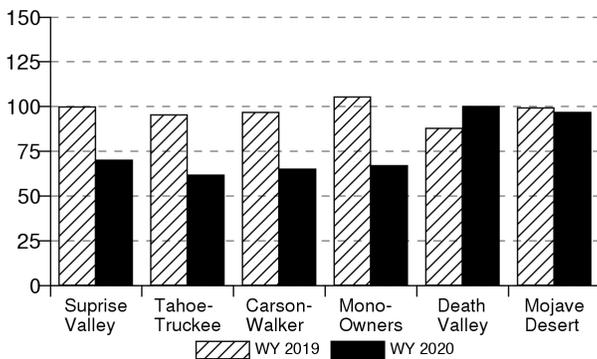
NORTH AND SOUTH LAHONTAN REGIONS

Snowpack Accumulation
Water Content in % of April 1 Average



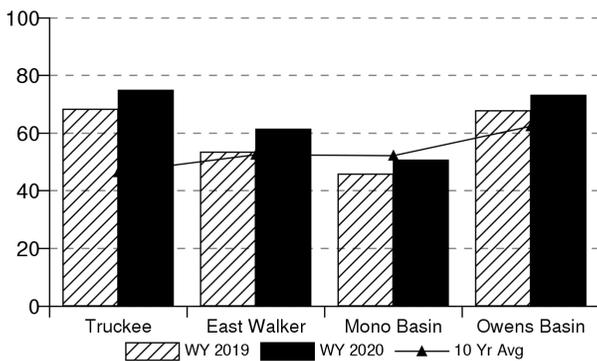
SNOWPACK First of the month measurements made at 11 **North Lahontan Region** snow courses indicate an area wide snow water equivalent of 9.4 inches. This is 40 percent of the seasonal April 1 average and 65 percent of the February 1 average. Last year at this time the pack was holding less than 14.5 inches of water. At the same time 19 **South Lahontan Region** snow courses indicate a basin-wide snow water equivalent of 8.5 inches. This is 45 percent of the seasonal April 1 average and 70 percent of the February 1 average. Last year this time the pack was holding less than 15.0 inches of water.

Precipitation
October 1 to date in % of average



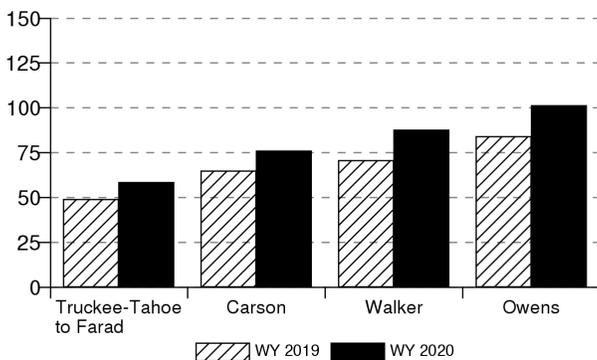
PRECIPITATION Seasonal precipitation (October 1 through to the end of January) on the **North Lahontan Region** was 65 percent of normal. Precipitation last month was about 35 percent of the monthly average. Season precipitation at this time last year stood at 100 percent of normal. Seasonal precipitation (October 1 through to the end of January) on the **South Lahontan Region** was 90 percent of normal. Precipitation last month was about 25 percent of the monthly average. Season precipitation at this time last year stood at 95 percent of normal.

Reservoir Storage
Contents of major reservoirs in % of capacity



RESERVOIR STORAGE First of the month storage in 5 **North Lahontan Region** reservoirs was 797 thousand acre-feet which is 160 percent of average. About 75 percent of available capacity was being used. Storage in these reservoirs at this time last year was 145 percent of average. First of the month storage in 8 **South Lahontan Region** reservoirs was 286 thousand acre-feet which is 105 percent of average. About 70 percent of available capacity was being used. Storage in these reservoirs at this time last year was 105 percent of average.

Runoff
October 1 to date in % of average

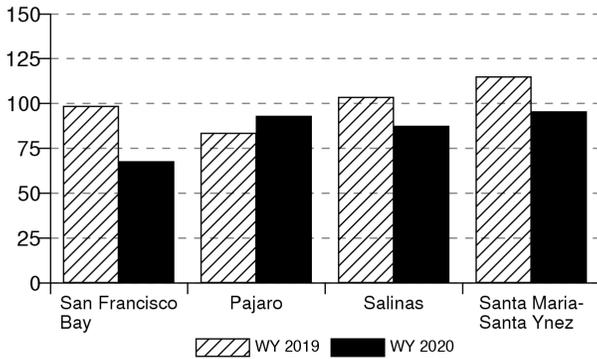


RUNOFF Seasonal runoff of streams draining the **North Lahontan Region** totaled 103 thousand acre-feet which is 70 percent of average. Last year, runoff for the same period was 60 percent of average. Seasonal runoff of streams draining the **South Lahontan Region** area totaled 44 thousand acre-feet which is 100 percent of average. Last year, runoff for the same period was 85 percent of average.

SAN FRANCISCO BAY AND CENTRAL COAST REGIONS

Precipitation

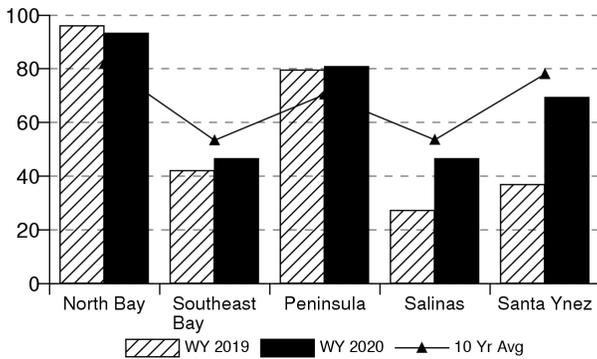
October 1 to date in % of average



PRECIPITATION Seasonal precipitation (October 1 through to the end of January) on the **San Francisco Bay Region** was 65 percent of normal. Precipitation last month was about 35 percent of the monthly average. Season precipitation at this time last year stood at 100 percent of normal. Seasonal precipitation (October 1 through to the end of January) on the **Central Coast Region** was 90 percent of normal. Precipitation last month was about 25 percent of the monthly average. Season precipitation at this time last year stood at 100 percent of normal.

Reservoir Storage

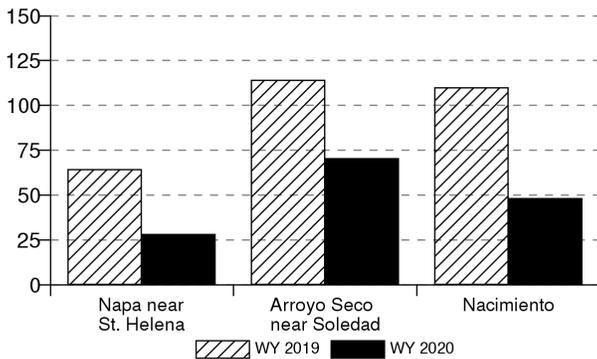
Contents of major reservoirs in % of capacity



RESERVOIR STORAGE First of the month storage in 17 **San Francisco Region** reservoirs was 465 thousand acre-feet which is 100 percent of average. About 65 percent of available capacity was being used. Storage in these reservoirs at this time last year was 95 percent of average. First of the month storage in 6 **Central Coast Region** reservoirs was 518 thousand acre-feet which is 90 percent of average. About 55 percent of available capacity was being used. Storage in these reservoirs at this time last year was 50 percent of average.

Runoff

October 1 to date in % of average



RUNOFF Seasonal runoff of streams draining the **San Francisco Region** totaled 9.4 thousand acre-feet million acre-feet which is 30 percent of average. Last year, runoff for the same period was 65 percent of average. Seasonal runoff of streams draining the **Central Coast Region** area totaled 67 thousand acre-feet million acre-feet which is 55 percent of average. Last year, runoff for the same period was 110 percent of average.

SOUTH COAST REGION

PRECIPITATION- October through January seasonal precipitation on the South Coast Region is 105 percent of normal. January precipitation was 10 percent of the monthly average. Seasonal precipitation at this time last year was 125 percent of normal.

RESERVOIR STORAGE- January 31 storage in 29 major South Coast Region reservoirs is 1.29 million acre-feet or 95 percent of average. About 61 percent of available capacity is being used. Storage in these reservoirs at this time last year was 90 percent of average.

RUNOFF- Seasonal runoff from selected South Coast Region streams totaled 14.5 thousand acre-feet which is 30 percent of average. Seasonal runoff from these streams last year was 65 percent of average.

COLORADO RIVER REGION

SNOWPACK- The February 1 snowpack in the Colorado River basin above Lake Powell is 111 percent of average, highest in the South Eastern Utah basins at 140 percent followed by Roaring Fork basin at 111 percent, and lowest in the San Joaquin River basin at 100 percent of average.

PRECIPITATION- October through January seasonal precipitation on the Colorado River -Desert Region is 119 percent of normal. January precipitation was 5 percent of the monthly average. Seasonal precipitation at this time last year was 145 percent of normal.

RESERVOIR STORAGE- On January 31, combined storage in Lakes Powell, Mead, Mohave, and Havasu was about 25.8 million acre-feet or about 67 percent of average, about 50 percent of available capacity was in use. Last year at this time, these reservoirs were storing 60 percent of average.

RUNOFF- The April-July inflow to Lake Powell is forecast to be 5.75 million acre-feet, which is 80 percent of average.

**MAJOR WATER DISTRIBUTION PROJECTS
RESERVOIR STORAGE
(AVERAGES BASED ON 1966-2015 OR PERIOD RECORD)**

RESERVOIR	CAPACITY 1,000 AF	AVERAGE STORAGE 1,000 AF	STORAGE AT END OF January			
			2019 1,000 AF	2020 1,000 AF	PERCENT AVERAGE	PERCENT CAPACITY
<i>STATE WATER PROJECT</i>						
Lake Oroville	3,538	2,292	1,404	2,204	96%	62%
San Luis Reservoir (SWP)	1,062	840	936	944	112%	89%
Lake Del Valle	77	31	30	25	81%	33%
Lake Silverwood	78	66	66	59	90%	76%
Pyramid Lake	180	163	156	154	94%	86%
Castaic Lake	325	267	244	233	87%	72%
Perris Lake	131	102	115	91	89%	69%
<i>CENTRAL VALLEY PROJECT</i>						
Trinity Lake	2,448	1,685	1,587	1,998	119%	82%
Lake Shasta	4,552	3,034	2,912	3,482	115%	76%
Whiskeytown Lake	241	205	207	207	101%	86%
Folsom Lake	977	500	523	487	97%	50%
New Melones Reservoir	2,400	1,414	1,871	1,983	140%	83%
Millerton Lake	521	331	318	316	96%	61%
San Luis Reservoir (CVP)	971	733	813	573	78%	59%
<i>COLORADO RIVER PROJECT</i>						
Lake Mead	26,159	19,139	10,493	11,265	59%	43%
Lake Powell	24,322	16,985	9,629	12,281	72%	50%
Lake Mohave	1,810	1,674	1,668	1,653	99%	91%
Lake Havasu	648	551	553	552	100%	85%
<i>EAST BAY MUNICIPAL UTILITY DISTRICT</i>						
Pardee Res	204	179	184	185	103%	91%
Camanche Reservoir	417	246	319	297	120%	71%
East Bay (4 res.)	159	124	112	127	102%	80%
<i>CITY AND COUNTY OF SAN FRANCISCO</i>						
Hetch-Hetchy Reservoir	360	184	259	252	137%	70%
Cherry Lake	268	159	218	220	138%	82%
Lake Eleanor	29	11	24	23	210%	79%
South Bay/Peninsula (4 res.)	238	156	144	172	110%	72%
<i>CITY OF LOS ANGELES (D.W.P.)</i>						
Lake Crowley	183	122	128	138	114%	75%
Grant Lake	48	29	27	27	94%	57%
Other Aqueduct Storage (6 res.)	100	59	69	74	126%	75%

TELEMETERED SNOW WATER EQUIVALENTS

February 1, 2020

(AVERAGES BASED ON PERIOD RECORD)

BASIN NAME STATION NAME	ELEV	APRIL 1 AVERAGE	Feb 1	INCHES OF WATER EQUIVALENT		
				PERCENT OF APRIL 1 AVERAGE	24 HRS PREVIOUS	1 WEEK PREVIOUS
TRINITY RIVER						
Shimmy Lake	6400'	40.3	13.6	33.6	13.5	14.8
Crowder Flat	5100'	-	1.6	-	1.7	2.7
Highland Lakes	6030'	29.9	-	-	-	-
Mumbo Basin	5650'	22.4	10.7	47.7	11.0	12.5
Bonanza King	6450'	40.5	17.5	43.3	17.4	17.4
Red Rock Mountain	6700'	39.6	21.6	54.5	21.5	20.8
Big Flat	5100'	15.8	9.6	60.8	9.7	9.8
Scott Mountain	5900'	16.0	4.8	30.0	4.8	4.7
Peterson Flat	7150'	29.2	10.9	37.4	10.9	10.3
Middle Boulder 3	6200'	28.3	16.7	59.0	16.7	16.2
SACRAMENTO RIVER						
Blacks Mountain	7050'	12.7	-	-	-	-
Cedar Pass	7100'	18.1	12.1	66.9	12.1	11.1
Medicine Lake	6700'	32.6	13.9	42.7	13.9	12.5
Sand Flat	6750'	42.4	13.8	32.5	13.7	12.8
Slate Creek	5700'	29.0	5.8	19.9	5.8	6.1
Adin Mountain	6200'	13.6	8.6	63.2	8.5	7.4
Stouts Meadow	5400'	36.0	15.2	42.3	15.4	14.8
Snow Mountain	5950'	27.0	13.0	48.0	12.8	12.6
FEATHER RIVER						
Kettle Rock	7300'	25.5	14.8	57.9	14.6	13.6
Gold Lake	6750'	36.5	16.4	45.0	16.4	16.0
Bucks Lake	5750'	44.7	21.4	47.8	21.5	22.6
Harkness Flat	6200'	28.5	12.0	42.2	12.0	11.7
Four Trees	5150'	20.0	12.0	60.0	12.1	13.7
Humbug	6500'	28.0	23.4	83.6	22.9	22.1
Grizzly Ridge	6900'	29.7	13.3	44.8	13.3	12.5
Rattlesnake	6100'	14.0	8.4	60.0	8.4	9.5
Lower Lassen Peak	8250'	-	36.9	-	36.9	-
Pilot Peak	6800'	52.6	22.5	42.8	22.7	21.5
EEL RIVER						
Noel Spring	5100'	-	0.7	-	0.9	2.7
YUBA & AMERICAN RIVERS						
Carson Pass	8353'	-	16.2	-	16.1	15.8
Lake Lois	8600'	39.5	-	-	-	-
Forni Ridge	7600'	37.0	20.2	54.5	20.1	19.6
Silver Lake	7100'	22.7	14.8	65.0	14.5	13.5
Blue Canyon	5280'	9.0	5.2	58.1	5.2	6.2
Schneiders	8750'	34.5	23.3	67.5	23.5	22.1
Meadow Lake	7200'	55.5	-	-	-	22.2
Robbs Powerhouse	5150'	5.2	2.3	44.0	2.2	3.4
Robinson Cow Camp	6480'	-	-	-	-	-
Cent Sierra Snow Lab	6900'	33.6	17.4	51.8	17.5	16.8
Caples Lake	8000'	30.9	16.8	54.4	16.8	15.8
Alpha	7600'	35.9	18.7	52.1	18.6	17.9
Robbs Saddle	5900'	21.4	5.6	26.2	5.6	6.1
Huysink	6600'	42.6	16.1	37.7	16.2	15.0
Van Vleck	6700'	35.9	19.1	53.2	19.2	18.1
Greek Store	5600'	21.0	-	-	-	-
MOKELUMNE & STANISLAUS RIVERS						
Highland Meadow	8700'	47.9	19.1	39.9	19.2	18.0
Gianelli Meadow	8400'	55.5	18.7	33.7	18.6	17.6
Bloods Creek	7200'	35.5	20.6	58.0	20.6	19.9
Blue Lakes	8000'	33.1	15.1	45.5	15.1	14.8
Mud Lake	7900'	44.9	-	-	-	-
Black Springs	6500'	32.0	16.8	52.5	16.7	16.4
Stanislaus Meadow	7750'	47.5	22.7	47.7	22.8	22.0
Deadman Creek	9250'	37.2	7.7	20.6	7.5	6.9
Lower Relief Valley	8100'	41.2	-	-	-	-
TUOLUMNE & MERCED RIVERS						
Dana Meadows	9800'	27.7	9.8	35.5	9.8	9.4
Horse Meadow	8400'	48.6	20.2	41.6	20.2	19.4
Tuolumne Meadows	8600'	22.6	7.5	33.1	7.6	7.2
Slide Canyon	9200'	41.1	13.0	31.6	13.0	12.3
Ostrander Lake	8200'	34.8	14.8	42.6	14.8	14.1
Gin Flat	7050'	34.2	10.8	31.6	10.6	9.7
Tenaya Lake	8150'	33.1	12.5	37.7	12.5	12.2
White Wolf	7900'	-	-	-	-	-
Lower Kibbie Ridge	6700'	27.4	5.5	19.9	5.7	6.6
Paradise Meadow	7650'	41.3	16.0	38.8	15.9	14.7

SAN JOAQUIN RIVER

Volcanic Knob	10050'	30.1	12.5	41.5	12.5	12.5
Tamarack Summit	7550'	30.5	-	-	-	-
Kaiser Point	9200'	37.8	10.9	28.9	10.9	10.6
Huntington Lake	7000'	20.1	8.8	43.8	8.8	9.2
Green Mountain	7900'	30.8	9.9	32.0	9.9	9.5
Poison Ridge	6900'	28.9	12.2	42.2	12.2	13.6
Graveyard Meadow	6900'	18.8	7.8	41.7	7.8	8.1
Agnew Pass	9450'	32.3	-	-	-	-
Devils Postpile	7569'	-	7.6	-	7.5	7.7
Chilkoot Meadow	7150'	38.0	12.7	33.4	12.7	12.2

KINGS RIVER

Bishop Pass	11200'	34.0	-	-	-	-
Blackcap Basin	10300'	34.3	12.9	37.7	13.0	13.3
Mitchell Meadow	9900'	32.9	14.3	43.3	14.2	14.0
Upper Burnt Corral	9700'	34.6	12.7	36.8	12.8	13.3
State Lakes	10300'	29.0	12.7	43.7	12.5	12.2
West Woodchuck Meadow	9100'	32.8	16.0	48.7	16.0	14.6
Big Meadows	7600'	25.9	-	-	-	-
Charlotte Lake	10400'	27.5	13.2	48.0	13.2	12.9

KAWEAH & TULE RIVERS

Farewell Gap	9500'	34.5	-	-	-	-
Giant Forest	6650'	10.0	4.9	48.9	4.9	4.9
Quaking Aspen	7200'	21.0	9.4	44.8	9.4	9.1

KERN RIVER

Tunnel Guard Station	8900'	15.6	-	-	-	-
Beach Meadows	7650'	11.0	6.0	54.3	6.7	7.3
Upper Tyndall Creek	11400'	27.7	6.8	24.4	6.8	6.7
Casa Vieja Meadows	8300'	20.9	8.8	42.2	8.8	8.9
Pascoes	9150'	24.9	11.1	44.7	11.1	10.9
Wet Meadows	8950'	30.3	11.8	38.8	11.8	11.8
Chagoopa Plateau	10300'	21.8	8.9	40.7	8.9	8.6
Crabtree Meadow	10700'	19.8	6.2	31.3	6.0	6.2

SURPRISE VALLEY AREA

Dismal Swamp	7050'	29.2	23.0	78.8	23.0	20.5
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TRUCKEE RIVER

Independence Camp	7000'	21.8	9.6	44.0	9.4	9.0
Independence Lake	8450'	41.4	16.5	40.0	16.5	15.6
Squaw Valley Gold Coast	8200'	46.5	19.3	41.5	19.2	17.1
Truckee 2	6400'	14.3	9.1	63.6	9.0	8.6
Independence Creek	6500'	12.7	4.3	33.9	4.3	5.4
Big Meadows	8700'	25.7	11.0	42.8	11.0	10.6

LAKE TAHOE BASIN

Rubicon Peak 2	7500'	29.1	11.8	40.5	11.8	11.6
Tahoe City Cross	6750'	16.0	7.9	49.4	7.8	6.7
Echo Peak 5	7800'	39.5	18.2	46.1	18.1	18.4
Hagans Meadow	8000'	16.5	10.0	60.6	9.8	9.1
Fallen Leaf Lake	6250'	7.0	3.1	44.3	3.3	3.4
Ward Creek 3	6750'	39.4	17.2	43.7	17.1	15.5
Mount Rose Ski Area	8900'	38.5	18.2	47.3	18.2	17.8
Heavenly Valley	8800'	28.1	9.4	33.5	9.5	9.1
Marlette Lake	8000'	21.1	11.7	55.5	11.5	10.9

CARSON RIVER

Spratt Creek	6150'	4.5	4.0	88.9	3.9	4.0
Horse Meadow	8400'	48.6	20.2	41.6	20.2	19.4
Burnside Lake	8129'	-	14.0	-	14.1	13.9
Monitor Pass	8350'	-	7.2	-	7.1	7.0
Poison Flat	7900'	16.2	9.0	55.6	9.1	8.7
Forestdale Creek	8017'	-	18.3	-	18.2	17.6
Ebbetts Pass	8700'	38.8	16.8	43.3	16.8	15.9

WALKER RIVER

Sonora Pass Bridge	8750'	26.0	8.4	32.3	8.3	8.0
Virginia Lakes Ridge	9300'	20.3	5.3	26.1	5.3	5.2
Lobdell Lake	9200'	17.3	4.1	23.7	4.2	4.1
Summit Meadow	9313'	-	7.8	-	7.8	7.6
Leavitt Meadows	7200'	8.0	6.2	77.5	6.1	6.1
Leavitt Lake	9600'	-	22.7	-	22.6	22.0

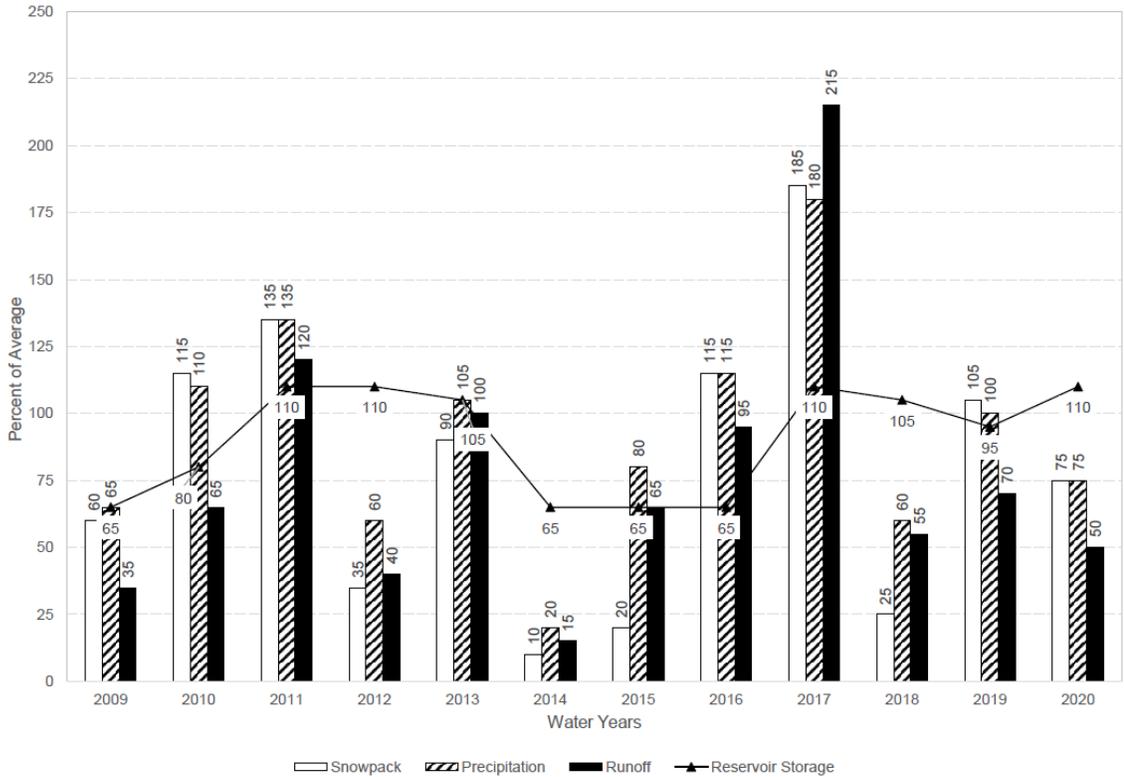
OWENS RIVER/MONO LAKE

Cottonwood Lakes	10150'	11.6	7.7	66.0	7.7	7.9
Gem Pass	10750'	31.7	6.9	21.6	6.9	6.9
Rock Creek Lakes	9700'	14.0	5.7	40.9	5.6	5.4
South Lake	9600'	16.0	5.3	33.0	5.3	4.7
Big Pine Creek	9800'	17.9	-	-	-	-
Sawmill	10200'	19.4	7.2	37.0	7.1	7.1

NORMAL SNOWPACK ACCUMULATION EXPRESSED AS A PERCENT OF APRIL 1ST AVERAGE

AREA	JANUARY	FEBRUARY	MARCH	APRIL	MAY
Central Valley North	45%	70%	90%	100%	75%
Central Valley South	45%	65%	85%	100%	80%
North Coast	40%	60%	85%	100%	80%

February 1 Statewide Conditions



SNOWLINES

Registration is now open for the 88th annual Western Snow Conference to be held in Whistler, British Columbia, Canada on April 20-23, 2020. We expect a full agenda of informative and interesting presentations related to snow hydrology, meteorological measurement techniques, and water resource management.

Meeting Information:

<https://westernsnowconferenc.org/meeting/2020> Online

Registration:

<https://docs.google.com/forms/d/e/1FAIpQLSd1X9N7TghsCGB01O-s-icESlz5YxdObGnf9R2ehUgAdTLJTg/viewform>

Depicted on this month's cover is a photo of the Tioga Lake and Tioga Pass in Yosemite National Park. This photo was taken on Friday, January 31, 2020, by Rob and Laura Pilewski, Tuolumne Meadows Winter Rangers.