

## Summary of Water Conditions

April 1, 2020

Although still rather dry in the north, March was a vast improvement from an extremely dry February in California for rain and snow. Hopefully April showers will continue to add a bit more to reservoir storage being carried over from the huge 2019 snowpack for water use this year.

**Forecasts** for median April through July runoff are for about 55 percent of average compared to last year's forecast of 160 percent at this time and an eventual 170 percent actual runoff. Water year runoff for 2020 is projected to be about 50 percent of average.

**Snowpack** water content increased about 10 percent during March to about 50 percent of the April 1 average, the normal peak of the accumulation season. Last year on April 1, the snowpack was one of our largest at 175 percent.

**Precipitation** from October through March has been about 65 percent of average statewide, compared to 130 percent last year. March precipitation was about 110 percent of average but ranged from 45 percent on the North Coast to over 500 percent in the dry deserts of southeastern California.

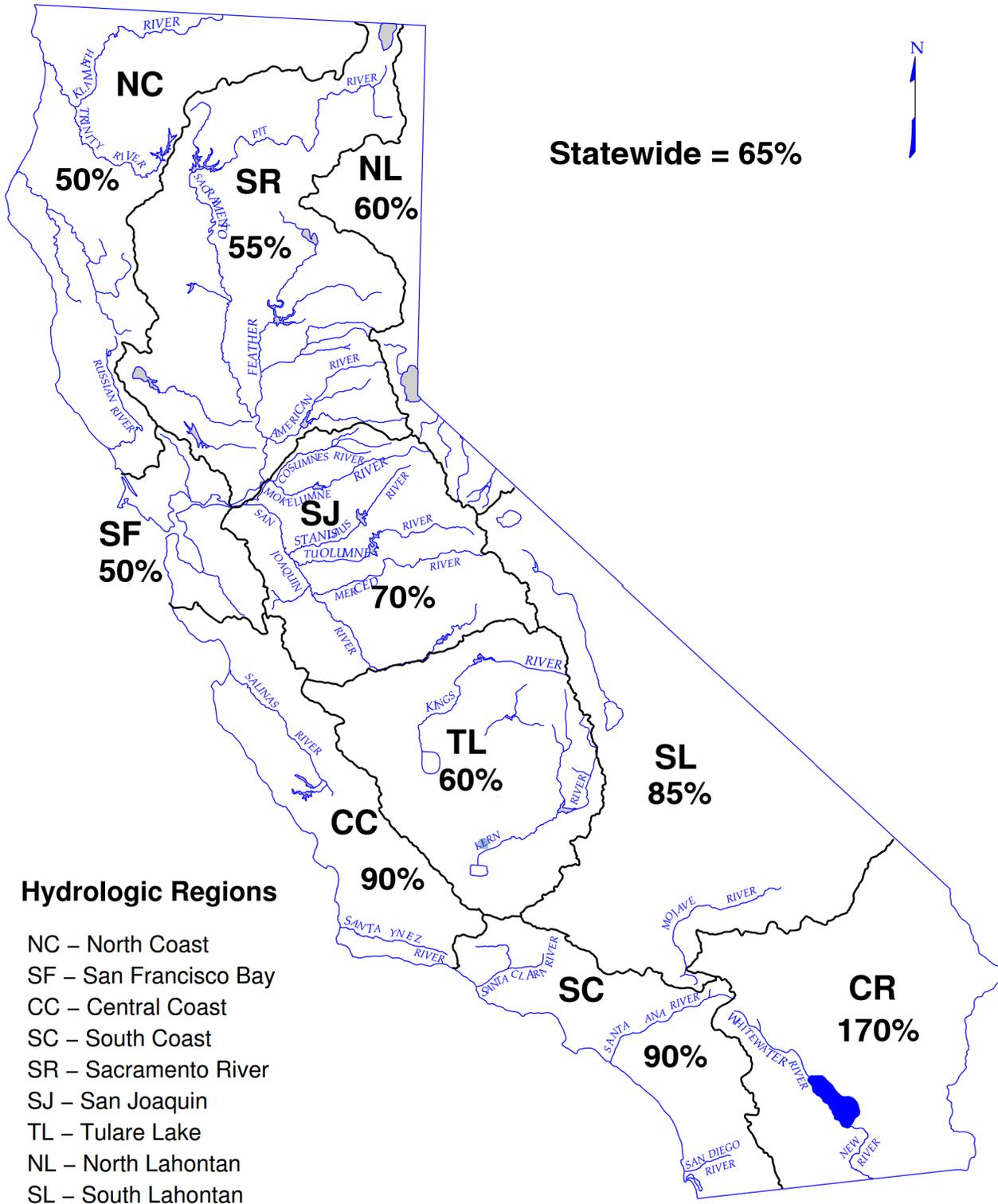
**Runoff** to date is estimated to be about 40 percent of average statewide. March runoff was only 25 percent for the month. Estimated runoff of the eight major rivers of the Sacramento-San Joaquin Delta region was 1.17 million acre-feet. Runoff for Water Year 2019 was about 135 percent of average.

**Reservoir storage** is about average 100 percent for this date, compared to 110 percent last year on April 1.

### SUMMARY OF WATER CONDITIONS IN PERCENT OF AVERAGE

HYDROLOGIC REGION	PRECIPITATION OCTOBER 1 TO DATE	APRIL 1 SNOW WATER CONTENT	APRIL 1 RESERVOIR STORAGE	RUNOFF OCTOBER 1 TO DATE	APRIL-JULY RUNOFF FORECAST	WATER YEAR RUNOFF FORECAST
NORTH COAST	50	45	100	30	40	40
SAN FRANCISCO BAY	50	--	90	20	--	--
CENTRAL COAST	90	--	75	35	--	--
SOUTH COAST	90	--	90	30	--	--
SACRAMENTO RIVER	55	60	95	45	60	50
SAN JOAQUIN RIVER	70	45	105	40	50	45
TULARE LAKE	60	45	95	55	45	45
NORTH LAHONTAN	60	50	145	60	55	55
SOUTH LAHONTAN	85	50	110	90	65	75
COLORADO RIVER	170	--	70	--	--	--
<b>STATEWIDE</b>	65	55	100	40	55	50

**DEPARTMENT OF WATER RESOURCES  
CALIFORNIA COOPERATIVE SNOW SURVEYS  
SEASONAL PRECIPITATION  
IN PERCENT OF AVERAGE TO DATE  
October 1, 2019 through March 31, 2020**

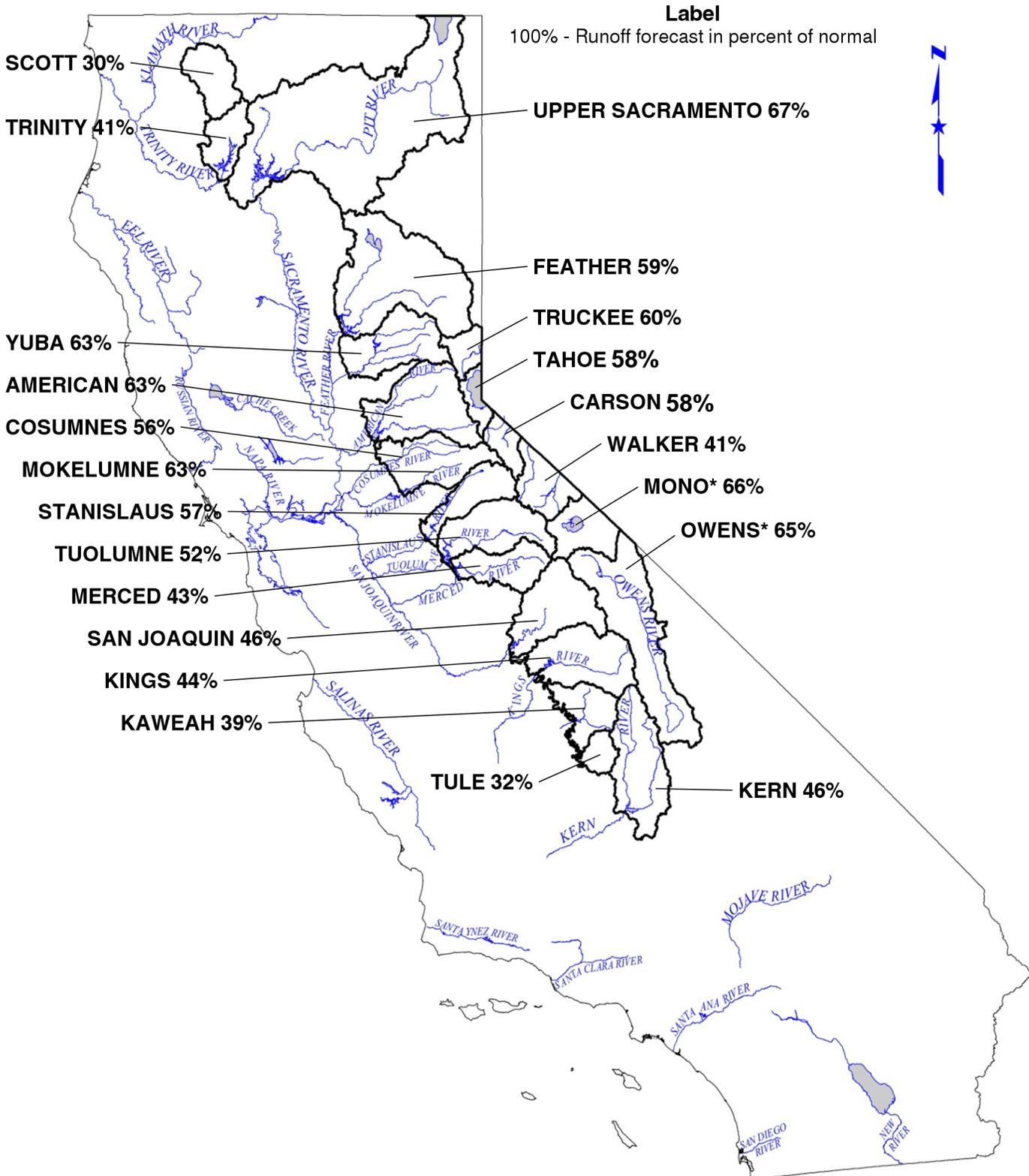


**Hydrologic Regions**

- NC – North Coast
- SF – San Francisco Bay
- CC – Central Coast
- SC – South Coast
- SR – Sacramento River
- SJ – San Joaquin
- TL – Tulare Lake
- NL – North Lahontan
- SL – South Lahontan
- CR – Colorado River-Desert

WATER YEAR IS OCTOBER 1 THROUGH SEPTEMBER 30

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



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

**April 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)
<b>North Coast</b>						
Trinity River at Lewiston Lake	639	1,593	80	<b>260</b>	41%	185 - 320
<b>SACRAMENTO RIVER</b>						
<b>Upper Sacramento River</b>						
Sacramento River at Delta above Shasta Lake	295	751	39	140	47%	
McCloud River above Shasta Lake	385	850	185	270	70%	
Pit River near Montgomery Creek + Squaw Creek	1,020	2,098	480	730	72%	
Total Inflow to Shasta Lake	1,756	3,525	711	<b>1,190</b>	68%	920 - 1,430
<b>Sacramento River above Bend Bridge, near Red Bluff</b>	2,421	5,117	943	<b>1,390</b>	57%	1,100 - 1,720
<b>Feather River</b>						
Feather River at Lake Almanor near Prattville (3)	333	675	120	200	60%	
North Fork at Pulga (3)	1,028	2,416	243	590	57%	
Middle Fork near Clio (4)	86	518	4	50	58%	
South Fork at Ponderosa Dam (3)	110	267	13	65	59%	
Feather River at Oroville	1,704	4,676	378	<b>1,000</b>	59%	720 - 1,220
<b>Yuba River</b>						
North Yuba below Goodyears Bar	279	647	51	175	63%	
Inflow to Jackson Mdws and Bowman Reservoirs (3)	112	236	25	70	63%	
South Yuba at Langs Crossing (3)	233	481	57	145	62%	
Yuba River near Smartsville plus Deer Creek	968	2,424	151	<b>610</b>	63%	420 - 730
<b>American River</b>						
North Fork at North Fork Dam (3)	262	716	43	160	61%	
Middle Fork near Auburn (3)	522	1,406	100	330	63%	
Silver Creek below Camino Diversion Dam (3)	173	386	37	105	61%	
American River below Folsom Lake	1,199	3,074	185	<b>750</b>	63%	500 - 920
<b>SAN JOAQUIN RIVER</b>						
<b>Cosumnes River at Michigan Bar</b>	125	446	8	<b>70</b>	56%	40 - 105
<b>Mokelumne River</b>						
North Fork near West Point (5)	437	829	104	270	62%	
Total Inflow to Pardee Reservoir	457	1,076	75	<b>290</b>	63%	210 - 360
<b>Stanislaus River</b>						
Middle Fork below Beardsley Dam (3)	334	702	64	190	57%	
North Fork Inflow to McKays Point Dam (3)	224	503	34	130	58%	
Stanislaus River below Goodwin Reservoir (9)	682	1,710	116	<b>390</b>	57%	290 - 490
<b>Tuolumne River</b>						
Cherry Creek & Eleanor Creek near Hetch Hetchy	315	727	97	160	51%	
Tuolumne River near Hetch Hetchy	604	1,392	153	320	53%	
Tuolumne River below La Grange Reservoir (9)	1,193	2,682	301	<b>620</b>	52%	520 - 720
<b>Merced River</b>						
Merced River at Pohono Bridge	372	888	80	160	43%	
Merced River below Merced Falls (9)	623	1,588	104	<b>270</b>	43%	210 - 320
<b>San Joaquin River</b>						
San Joaquin River at Mammoth Pool (7)	1,026	2,279	235	480	47%	
Big Creek below Huntington Lake (8)	91	264	11	40	44%	
South Fork near Florence Lake (7)	201	511	58	90	45%	
San Joaquin River inflow to Millerton Lake	1,228	3,355	193	<b>560</b>	46%	430 - 700
<b>TULARE LAKE</b>						
<b>Kings River</b>						
North Fork Kings River near Cliff Camp (3)	239	565	50	100	42%	
Kings River below Pine Flat Reservoir	1,210	3,113	208	<b>530</b>	44%	390 - 660
<b>Kaweah River below Terminus Reservoir</b>	285	814	42	<b>110</b>	39%	90 - 130
<b>Tule River below Lake Success</b>	63	259	1	<b>20</b>	32%	11 - 26
<b>Kern River</b>						
Kern River near Kernville	384	1,203	83	180	47%	
Kern River inflow to Lake Isabella	458	1,657	57	<b>210</b>	46%	170 - 240

(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.

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

HISTORICAL			Water Year Unimpaired Runoff in 1,000 Acre-Feet (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	48	47	115	100	35	10	3	1	<b>515</b>	38%	435 -	580
860	1,966	165	143	36	29	70	40	18	12	8	9	365	42%	- -	-
1,183	2,353	557	299	73	70	85	75	60	50	45	43	800	68%	- -	-
3,002	5,150	1,484	739	206	203	230	200	165	135	115	112	2,105	70%	- -	-
5,831	10,796	2,479	1,286	298	290	420	350	230	190	176	175	<b>3,415</b>	59%	3,075 -	3,730
8,544	17,180	3,294	1,783	446	430	510	380	270	230	200	201	<b>4,450</b>	52%	4,090 -	4,880
780	1,269	366													
2,417	4,400	666													
219	637	24													
291	562	32													
4,407	10,178	995	783	181	214	400	330	170	100	77	65	<b>2,320</b>	53%	2,010 -	2,575
564	1,056	102													
181	292	30													
379	565	98													
2,268	5,604	369	301	75	109	250	260	80	20	12	13	<b>1,120</b>	49%	920 -	1,250
616	1,234	66													
1,070	2,575	144													
318	705	59													
2,626	7,391	349	289	77	160	320	310	105	15	5	4	<b>1,285</b>	49%	1,030 -	1,460
379	1,253	20	34	9	35	40	23	5	2	1	0	<b>150</b>	40%	115 -	190
626	1,009	197													
748	1,901	129	56	19	39	100	135	50	5	1	1	<b>405</b>	54%	320 -	480
471	929	88													
-	-	-													
1,149	3,078	155	115	32	69	145	175	60	10	3	1	<b>610</b>	53%	510 -	720
461	1,147	123													
770	1,661	258													
1,909	4,631	383	144	36	90	190	290	120	20	5	1	<b>895</b>	47%	795 -	1,005
461	1,020	92													
992	2,787	150	66	16	42	95	120	45	10	1	0	<b>395</b>	40%	335 -	460
1,337	2,964	308													
112	298	14													
248	653	71													
1,793	4,642	327	107	33	53	155	230	130	45	14	8	<b>775</b>	43%	635 -	925
284	607	58													
1,702	4,287	359	125	34	54	150	230	120	30	14	9	<b>765</b>	45%	615 -	905
451	1,402	89	35	11	14	35	50	20	5	3	2	<b>175</b>	39%	150 -	200
147	615	10	19	5	7	10	8	2	0	0	0	<b>50</b>	34%	40 -	60
558	1,577	163													
728	2,318	130	106	25	29	50	75	60	25	11	9	<b>390</b>	54%	345 -	425

(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.

**April 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**

<b>Scott River</b>					
Scott River nr Ft Jones (3)	173	398	22	<b>52</b>	30%
<b>Klamath River</b>					
Total inflow to Upper Klamath Lake (4)	475	1,150	149	<b>352</b>	74%

**NORTH LAHONTAN**

<b>Truckee River</b>					
Lake Tahoe to Farad accretions	250	713	48	<b>150</b>	60%
Lake Tahoe Rise (assuming gates closed, ft)	1.3	5.4	0.2	<b>0.8</b>	60%
<b>Carson River</b>					
West Fork Carson River at Woodfords	52	135	10	<b>35</b>	67%
East Fork Carson River near Gardnerville	182	480	43	<b>100</b>	55%
<b>Walker River</b>					
West Walker River below Little Walker, near Coleville	153	410	35	<b>70</b>	46%
East Walker River near Bridgeport	61	209	7	<b>17</b>	28%

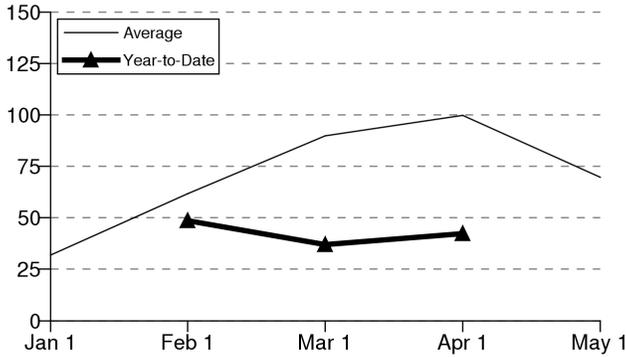
**SOUTH LAHONTAN**

<b>Owens River</b>					
Total tributary flow to Owens River (5)	231	579	84	<b>151</b>	65%

(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.

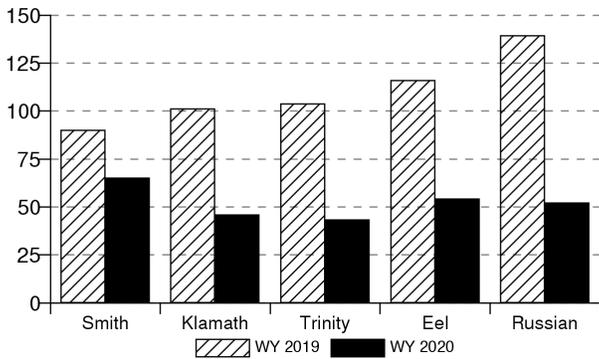
# NORTH COAST REGION

**Snowpack Accumulation**  
Water Content in % of April 1 Average



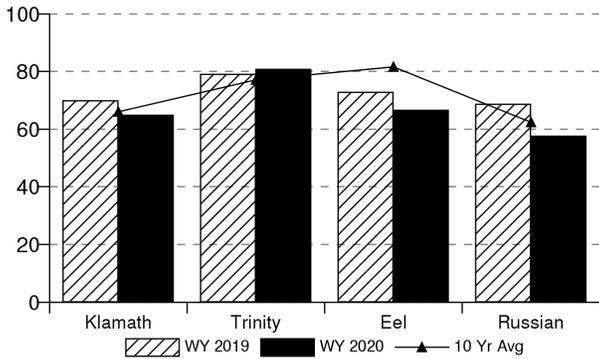
**SNOWPACK** First of the month measurements made at 18 snow courses indicate an area wide snow water equivalent of 11.6 inches. This is 45 percent of the seasonal April 1 average. Last year at this time the pack was holding 39.3 inches of water.

**Precipitation**  
October 1 to date in % of average



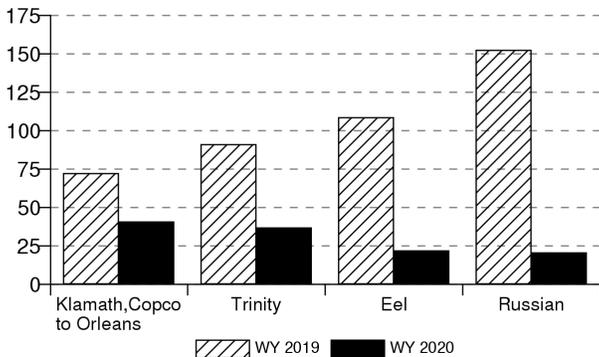
**PRECIPITATION** Seasonal precipitation (October 1 through to the end of March) on this area was 50 percent of normal. Precipitation last month was about 45 percent of the monthly average. Seasonal precipitation at this time last year stood at 110 percent of normal.

**Reservoir Storage**  
Contents of major reservoirs in % of capacity



**RESERVOIR STORAGE** First of the month storage at 6 reservoirs was 2.35 million acre-feet which is 100 percent of average. About 75 percent of available capacity was being used. Storage in these reservoirs at this time last year was 105 percent of average.

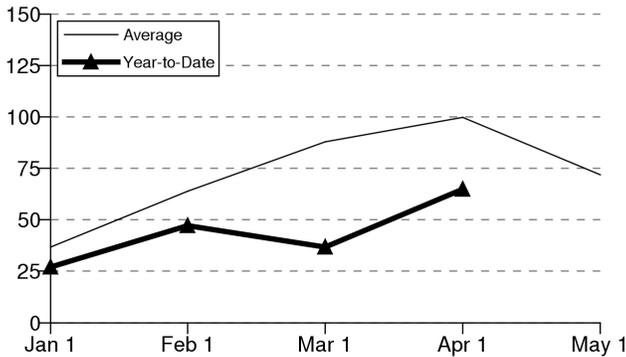
**Runoff**  
October 1 to date in % of average



**RUNOFF** Seasonal runoff of streams draining this area totaled 2.63 million acre-feet which is 30 percent of average. Last year, runoff for the same period was 100 percent of average.

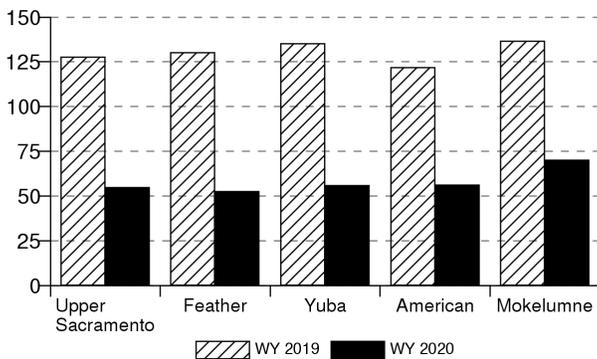
# SACRAMENTO RIVER REGION

**Snowpack Accumulation**  
Water Content in % of April 1 Average



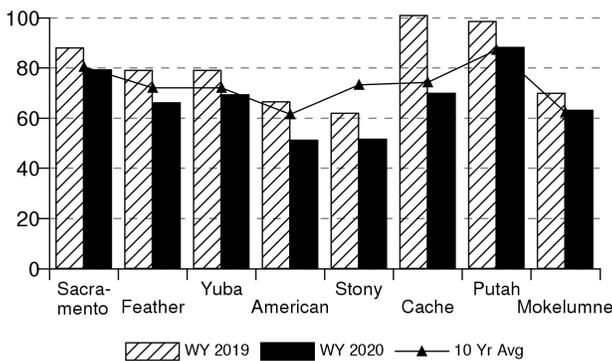
**SNOWPACK** First of the month measurements made at 51 snow courses indicate an area wide snow water equivalent of 16.2 inches. This is 60 percent of the April 1 average. Last year at this time the pack was holding 48.1 inches of water.

**Precipitation**  
October 1 to date in % of average



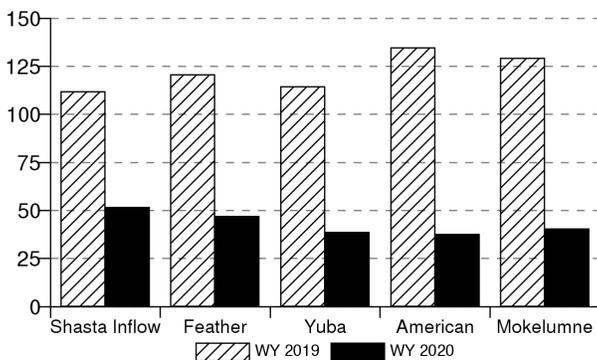
**PRECIPITATION** Seasonal precipitation (October 1 through to the end of March) on this area was 55 percent of normal. Precipitation last month was about 85 percent of the monthly average. Seasonal precipitation at this time last year stood at 135 percent of normal.

**Reservoir Storage**  
Contents of major reservoirs in % of capacity



**RESERVOIR STORAGE** First of the month storage at 43 reservoirs was 11.46 million acre-feet which is 95 percent of average. About 70 percent of available capacity was being used. Storage in these reservoirs at this time last year was 110 percent of average.

**Runoff**  
October 1 to date in % of average

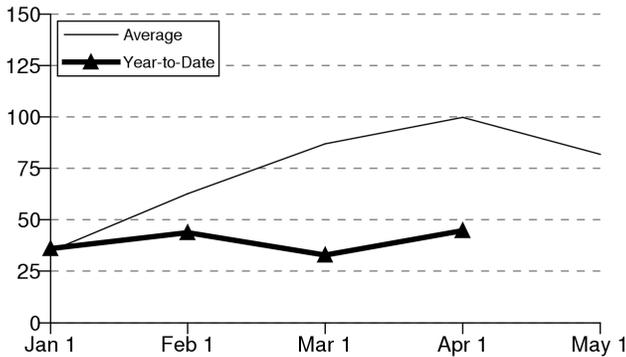


**RUNOFF** Seasonal runoff of streams draining this area totaled 4.85 million acre-feet which is 45 percent of average. Last year, runoff for the same period was 120 percent of average.

The **Sacramento Region 40-30-30 Water Supply Index** is forecast to be 6.0 assuming median meteorological conditions for the remainder of the water year. This classifies the year as "Dry" in the Sacramento Valley according to the State Water Resources Control Board.

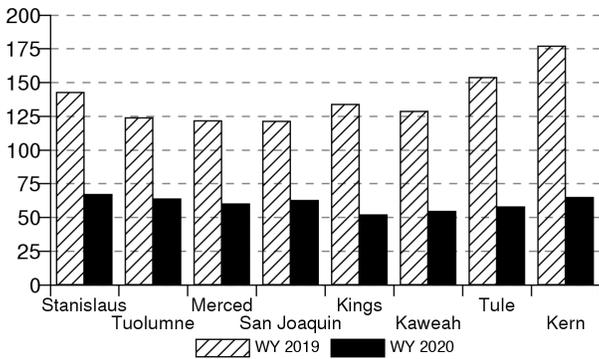
# SAN JOAQUIN RIVER AND TULARE LAKE REGIONS

**Snowpack Accumulation**  
Water Content in % of April 1 Average



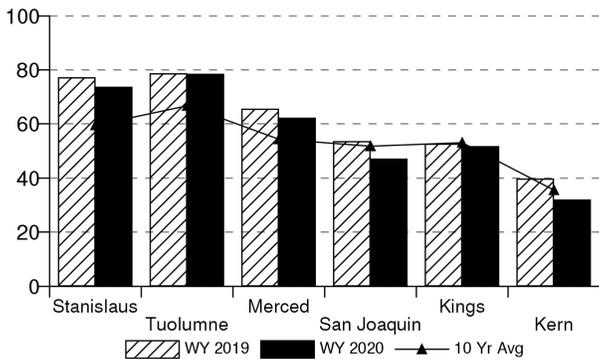
**SNOWPACK**- First of the month measurements made at 43 **San Joaquin Region** snow courses indicate an area wide snow water equivalent of 14.3 inches. This is 45 percent of the seasonal April 1 average. Last year this time the pack was holding less than 51.6 inches of water. At the same time 28 **Tulare Lake** snow courses indicate a basin-wide snow water equivalent of 10.2 inches. This is 45 percent of the seasonal April 1 average. Last year at this time the pack was holding 41.9 inches of water.

**Precipitation**  
October 1 to date in % of average



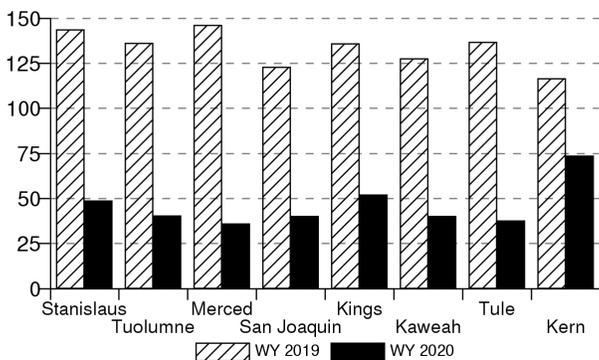
**PRECIPITATION**- Seasonal precipitation (October 1 through to the end of March) on the **San Joaquin Region** was 70 percent of normal. Precipitation last month was about 120 percent of the monthly average. Seasonal precipitation at this time last year stood at 130 percent of normal. Seasonal precipitation (October 1 through to the end of March) on the **Tulare Lake Region** was 60 percent of normal. Precipitation last month was about 100 percent of the monthly average. Seasonal precipitation at this time last year stood at 140 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 7.97 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 120 percent of average. First of the month storage in 6 **Tulare Lake Region** reservoirs was 865 thousand acre-feet which is 95 percent of average. About 40 percent of available capacity was being used. Storage in these reservoirs at this time last year was 100 percent of average.

**Runoff**  
October 1 to date in % of average

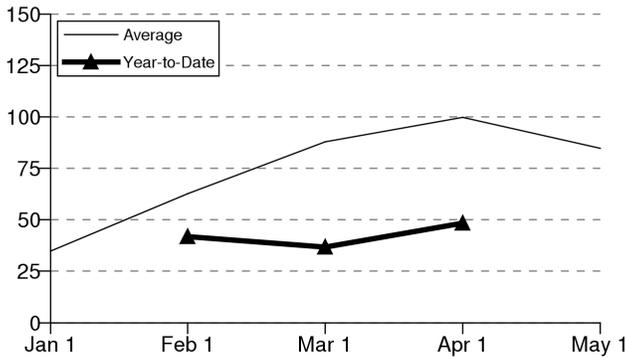


**RUNOFF**- Seasonal runoff of streams draining the **San Joaquin Region** totaled 995 thousand acre-feet which is 40 percent of average. Last year, runoff for the same period was 140 percent of average. Seasonal runoff of streams draining the **Tulare Lake Region** area totaled 463 thousand acre-feet which is 55 percent of average. Last year, runoff for the same period was 130 percent of average.

The **San Joaquin Region 60-20-20 Water Supply Index** is forecast to be 2.1 at the 75 percent exceedance level. This classifies the year as "Critical" in the San Joaquin according to the State Water Resources Control Board.

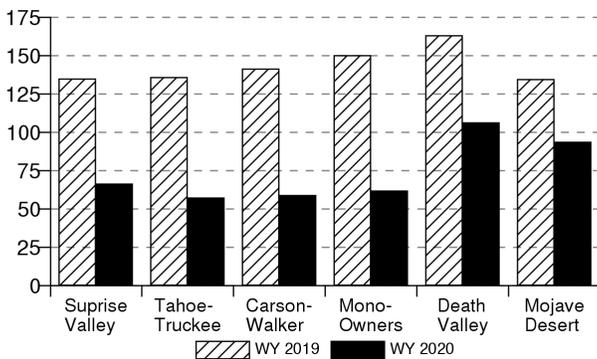
# NORTH AND SOUTH LAHONTAN REGIONS

**Snowpack Accumulation**  
Water Content in % of April 1 Average



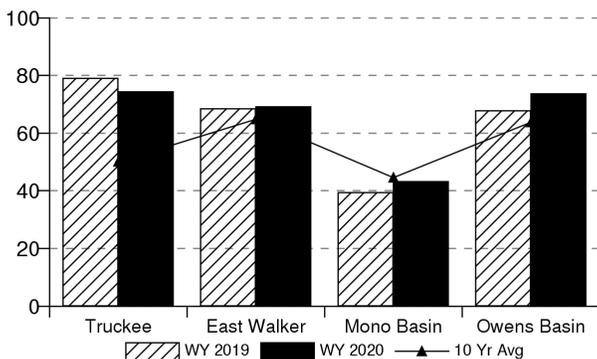
**SNOWPACK** First of the month measurements made at 12 **North Lahontan Region** snow courses indicate an area wide snow water equivalent of 10.9 inches. This is 50 percent of the seasonal April 1 average. Last year this time the pack was holding 42.5 inches of water. At the same time 19 **South Lahontan Region** snow courses indicate an area wide snow water equivalent of 10.8 inches. This is 50 percent of the seasonal April 1 average. Last year at this time the pack was holding 34.8 inches of water.

**Precipitation**  
October 1 to date in % of average



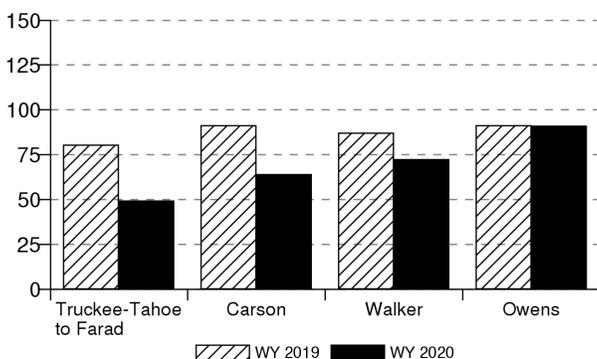
**PRECIPITATION** Seasonal precipitation (October 1 through to the end of March) on the **North Lahontan Region** was 60 percent of normal. Precipitation last month was about 115 percent of the monthly average. Seasonal precipitation at this time last year stood at 135 percent of normal. Seasonal precipitation (October 1 through to the end of March) on the **South Lahontan Region** was 85 percent of normal. Precipitation last month was about 205 percent of the monthly average. Seasonal precipitation at this time last year stood at 145 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 795 thousand acre-feet which is 145 percent of average. About 75 percent of available capacity was being used. Storage in these reservoirs at this time last year was 155 percent of average. First of the month storage in 8 **South Lahontan Region** reservoirs was 291 thousand acre-feet which is 110 percent of average. About 70 percent of available capacity was being used. Storage in these reservoirs at this time last year was 100 percent of average.

**Runoff**  
October 1 to date in % of average

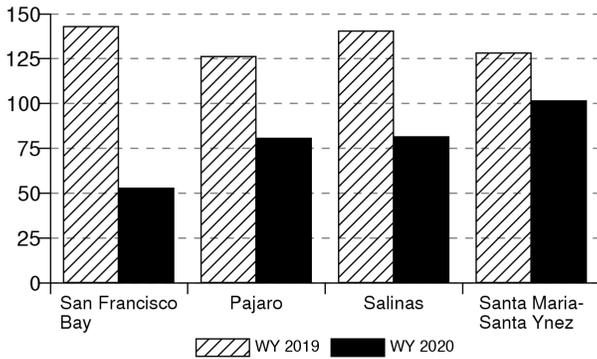


**RUNOFF** Seasonal runoff of streams draining the **North Lahontan Region** totaled 165 thousand acre-feet which is 60 percent of average. Last year, runoff for the same period was 85 percent of average. Seasonal runoff of streams draining the **South Lahontan Region** area totaled 59 thousand acre-feet which is 90 percent of average. Last year, runoff for the same period was 90 percent of average.

# SAN FRANCISCO BAY AND CENTRAL COAST REGIONS

## Precipitation

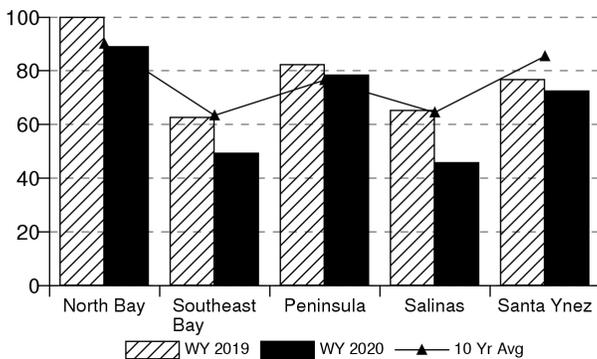
October 1 to date in % of average



**PRECIPITATION** Seasonal precipitation (October 1 through to the end of March) on the **San Francisco Bay Region** was 50 percent of normal. Precipitation last month was about 60 percent of the monthly average. Seasonal precipitation at this time last year stood at 135 percent of normal. Seasonal precipitation (October 1 through to the end of March) on the **Central Coast Region** was 90 percent of normal. Precipitation last month was about 175 percent of the monthly average. Seasonal precipitation at this time last year stood at 135 percent of normal.

## Reservoir Storage

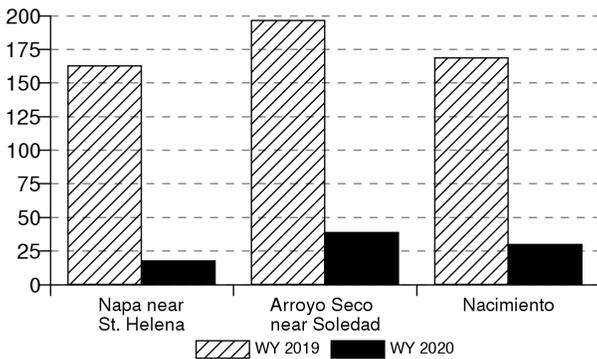
Contents of major reservoirs in % of capacity



**RESERVOIR STORAGE** First of the month storage in 17 **San Francisco Region** reservoirs was 469 thousand acre-feet which is 90 percent of average. About 65 percent of available capacity was being used. Storage in these reservoirs at this time last year was 100 percent of average. First of the month storage in 6 **Central Coast Region** reservoirs was 519 thousand acre-feet which is 75 percent of average. About 55 percent of available capacity was being used. Storage in these reservoirs at this time last year was 100 percent of average.

## Runoff

October 1 to date in % of average



**RUNOFF** Seasonal runoff of streams draining the **San Francisco Region** totaled 11 thousand acre-feet which is 20 percent of average. Last year, runoff for the same period was 165 percent of average. Seasonal runoff of streams draining the **Central Coast Region** area totaled 91 thousand acre-feet which is 35 percent of average. Last year, runoff for the same period was 180 percent of average.

## SOUTH COAST REGION

**PRECIPITATION** - October through March seasonal precipitation on the South Coast Region is 90 percent of normal. March precipitation was 155 percent of the monthly average. Seasonal precipitation at this time last year was 145 percent of normal.

**RESERVOIR STORAGE** - First of the month storage in 29 reservoirs was 1.36 million acre-feet million acre-feet which is 90 percent of average. About 65 percent of available capacity was being used. Storage in these reservoirs at this time last year was 98 percent of average.

**RUNOFF** - Seasonal runoff of streams draining this area totaled 36.0 thousand acre-feet which is 30 percent of average. Last year, runoff for the same period was 195 percent of average.

## COLORADO RIVER REGION

**SNOWPACK** - The April 1 snowpack in the Colorado River basin above Lake Powell is 100 percent of average, highest in the South Easter Utah basin at 125 percent of average and lowest in the San Juan River Headwaters at 90 percent of average.

**PRECIPITATION** - Seasonal precipitation (October 1 through to the end of March) on the **Colorado River Region** was 165 percent of average. Precipitation last month was about 555 percent of the monthly average. Seasonal precipitation at this time last year stood at 170 percent of average.

**RESERVOIR STORAGE** - First of the month storage at 4 reservoirs was 25.7 million acre-feet which is 70 percent of average. About 50 percent of available capacity was being used. Storage in these reservoirs at this time last year was 60 percent of average.

**RUNOFF** - The April-July inflow to Lake Powell is forecast to be 5.6 million acre-feet, which is 78 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 March			
			2019 1,000 AF	2020 1,000 AF	PERCENT AVERAGE	PERCENT CAPACITY
<b><i>STATE WATER PROJECT</i></b>						
Lake Oroville	3,538	2,670	2,849	2,294	86%	65%
San Luis Reservoir (SWP)	1,062	958	1,063	975	102%	92%
Lake Del Valle	77	37	40	30	82%	40%
Lake Silverwood	78	68	67	68	101%	88%
Pyramid Lake	180	165	168	164	100%	91%
Castaic Lake	325	286	282	285	100%	88%
Perris Lake	131	106	109	121	114%	92%
<b><i>CENTRAL VALLEY PROJECT</i></b>						
Trinity Lake	2,448	1,888	1,932	1,975	105%	81%
Lake Shasta	4,552	3,657	4,028	3,600	98%	79%
Whiskeytown Lake	241	213	216	211	99%	88%
Folsom Lake	977	633	735	476	75%	49%
New Melones Reservoir	2,400	1,495	2,001	1,892	127%	79%
Millerton Lake	521	362	340	280	77%	54%
San Luis Reservoir (CVP)	971	847	965	536	63%	55%
<b><i>COLORADO RIVER PROJECT</i></b>						
Lake Mead	26,159	19,077	10,878	11,610	61%	44%
Lake Powell	24,322	16,720	9,049	11,818	71%	49%
Lake Mohave	1,810	1,676	1,687	1,708	102%	94%
Lake Havasu	648	559	577	543	97%	84%
<b><i>EAST BAY MUNICIPAL UTILITY DISTRICT</i></b>						
Pardee Res	204	183	193	187	103%	92%
Camanche Reservoir	417	259	309	274	106%	66%
East Bay (4 res.)	159	133	134	128	96%	80%
<b><i>CITY AND COUNTY OF SAN FRANCISCO</i></b>						
Hetch-Hetchy Reservoir	360	163	273	232	142%	64%
Cherry Lake	268	158	198	225	143%	84%
Lake Eleanor	29	14	11	18	133%	63%
South Bay/Peninsula (4 res.)	238	173	181	174	101%	73%
<b><i>CITY OF LOS ANGELES (D.W.P.)</i></b>						
Lake Crowley	183	128	137	150	117%	82%
Grant Lake	48	28	28	27	97%	56%
Other Aqueduct Storage (6 res.)	100	62	58	64	104%	65%

# TELEMETERED SNOW WATER EQUIVALENTS

April 1, 2020

(AVERAGES BASED ON PERIOD RECORD)

BASIN NAME STATION NAME	ELEV	APRIL 1 AVERAGE	Apr 1	INCHES OF WATER EQUIVALENT		
				PERCENT OF AVERAGE	24 HRS PREVIOUS	1 WEEK PREVIOUS
<b>TRINITY RIVER</b>						
Shimmy Lake	6400'	40.3	14.0	34.7	13.7	13.6
Crowder Flat	5100'	-	0.0	-	0.1	0.1
Highland Lakes	6030'	29.9	-	-	-	-
Mumbo Basin	5650'	22.4	-	-	-	-
Bonanza King	6450'	40.5	21.0	51.9	19.7	19.1
Red Rock Mountain	6700'	39.6	22.3	56.3	22.9	21.3
Big Flat	5100'	15.8	11.2	70.6	11.9	11.4
Scott Mountain	5900'	16.0	1.3	8.3	1.7	0.8
Peterson Flat	7150'	29.2	8.8	30.0	8.3	7.0
Middle Boulder 3	6200'	28.3	15.7	55.3	15.4	15.3
<b>SACRAMENTO RIVER</b>						
Blacks Mountain	7050'	12.7	-	-	-	-
Cedar Pass	7100'	18.1	16.7	92.3	16.7	16.0
Medicine Lake	6700'	32.6	19.3	59.3	19.1	17.3
Sand Flat	6750'	42.4	15.1	35.7	14.8	14.3
Slate Creek	5700'	29.0	1.7	5.8	1.8	1.1
Adin Mountain	6200'	13.6	7.4	54.4	7.0	6.2
Stouts Meadow	5400'	36.0	18.6	51.7	19.2	16.9
Snow Mountain	5950'	27.0	20.6	76.4	21.1	17.5
<b>FEATHER RIVER</b>						
Kettle Rock	7300'	25.5	20.5	80.5	20.3	19.4
Gold Lake	6750'	36.5	29.2	79.9	29.5	28.0
Bucks Lake	5873'	44.7	30.1	67.4	30.0	28.6
Harkness Flat	6200'	28.5	12.3	43.2	12.6	11.7
Four Trees	5202'	20.0	9.1	45.6	9.1	7.8
Humbug	6500'	28.0	29.6	105.9	29.3	26.8
Grizzly Ridge	6900'	29.7	20.2	67.9	20.0	19.2
Rattlesnake	6210'	14.0	4.6	32.6	4.8	4.7
Lower Lassen Peak	8338'	-	51.4	-	50.7	47.7
Pilot Peak	6800'	52.6	27.4	52.1	27.4	25.3
<b>EEL RIVER</b>						
Noel Spring	5100'	-	0.0	-	0.0	0.0
<b>YUBA &amp; AMERICAN RIVERS</b>						
Carson Pass	8353'	-	22.3	-	22.3	22.0
Lake Lois	8600'	39.5	-	-	-	-
Forni Ridge	7600'	37.0	26.7	72.1	26.3	25.5
Silver Lake	7100'	22.7	15.3	67.4	15.9	15.0
Blue Canyon	5280'	9.0	9.3	103.4	9.7	9.9
Schneiders	8750'	34.5	39.1	113.3	38.8	34.4
Meadow Lake	7200'	55.5	-	-	-	-
Robbs Powerhouse	5150'	5.2	5.4	104.6	5.9	6.3
Robinson Cow Camp	6480'	-	29.0	-	-	-
Cent Sierra Snow Lab	6900'	33.6	20.1	59.8	20.0	19.8
Caples Lake	8000'	30.9	20.8	67.2	21.1	19.8
Alpha	7600'	35.9	20.0	55.6	19.9	19.0
Robbs Saddle	5900'	21.4	7.9	37.0	8.2	7.9
Huysink	6600'	42.6	25.2	59.2	25.3	24.0
Van Vleck	6700'	35.9	22.9	63.7	23.6	24.5
Greek Store	5600'	21.0	-	-	-	-
<b>MOKELUMNE &amp; STANISLAUS RIVERS</b>						
Highland Meadow	8700'	47.9	19.5	40.7	19.5	19.5
Gianelli Meadow	8400'	55.5	28.7	51.7	28.6	26.3
Bloods Creek	7200'	35.5	20.1	56.7	20.4	19.8
Blue Lakes	8000'	33.1	23.1	69.7	22.9	21.9
Mud Lake	7900'	44.9	-	-	-	-
Black Springs	6500'	32.0	27.0	84.4	27.0	25.2
Stanislaus Meadow	7750'	47.5	24.3	51.1	24.8	23.6
Deadman Creek	9250'	37.2	13.3	35.8	13.4	11.9
Lower Relief Valley	8100'	41.2	16.5	39.9	-	-
<b>TUOLUMNE &amp; MERCED RIVERS</b>						
Dana Meadows	9800'	27.7	11.2	40.4	11.3	12.6
Horse Meadow	8400'	48.6	30.6	63.0	30.6	29.5
Tuolumne Meadows	8600'	22.6	-	-	-	3.8
Slide Canyon	9200'	41.1	20.8	50.7	20.8	19.2
Ostrander Lake	8200'	34.8	22.8	65.5	22.6	20.6
Gin Flat	7050'	34.2	11.1	32.5	11.3	10.2
Tenaya Lake	8150'	33.1	15.3	46.3	15.5	15.0
White Wolf	7900'	-	-	-	-	-
Lower Kibbie Ridge	6700'	27.4	6.5	23.9	6.6	5.8
Paradise Meadow	7650'	41.3	23.3	56.3	23.3	21.9

**SAN JOAQUIN RIVER**

Volcanic Knob	10050'	30.1	15.3	50.7	15.4	14.1
Tamarack Summit	7550'	30.5	-	-	-	-
Kaiser Point	9200'	37.8	15.1	40.0	15.4	14.8
Huntington Lake	7000'	20.1	14.8	73.6	15.0	13.0
Green Mountain	7900'	30.8	5.2	16.8	5.2	3.9
Poison Ridge	6900'	28.9	9.0	31.0	9.1	7.2
Graveyard Meadow	6900'	18.8	5.8	30.9	6.0	4.8
Agnew Pass	9450'	32.3	-	-	-	-
Devils Postpile	7569'	-	-	-	-	-
Chilkoot Meadow	7150'	38.0	20.9	54.9	20.7	18.0

**KINGS RIVER**

Bishop Pass	11200'	34.0	-	-	-	-
Blackcap Basin	10300'	34.3	16.0	46.6	16.0	14.9
Mitchell Meadow	9900'	32.9	17.8	54.2	18.1	17.0
Upper Burnt Corral	9700'	34.6	16.8	48.4	16.3	15.7
State Lakes	10300'	29.0	16.1	55.4	15.2	13.7
West Woodchuck Meadow	9100'	32.8	10.4	31.8	10.1	9.5
Big Meadows	7600'	25.9	-	-	-	-
Charlotte Lake	10400'	27.5	22.5	81.8	23.9	22.6

**KAWEAH & TULE RIVERS**

Farewell Gap	9500'	34.5	-	-	-	-
Giant Forest	6650'	10.0	2.4	24.4	2.4	1.5
Quaking Aspen	7200'	21.0	4.7	22.5	5.0	3.9

**KERN RIVER**

Tunnel Guard Station	8900'	15.6	-	-	-	-
Beach Meadows	7650'	11.0	0.3	3.0	0.5	1.1
Upper Tyndall Creek	11400'	27.7	13.0	47.1	13.0	12.7
Casa Vieja Meadows	8300'	20.9	9.6	46.1	9.4	7.9
Pascoes	9150'	24.9	18.2	73.0	17.9	16.3
Wet Meadows	8950'	30.3	5.9	19.4	5.9	5.8
Chagoopa Plateau	10300'	21.8	10.8	49.6	11.7	10.6
Crabtree Meadow	10700'	19.8	7.9	39.7	7.4	7.0

**SURPRISE VALLEY AREA**

Dismal Swamp	7050'	29.2	31.1	106.5	30.6	28.6
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**TRUCKEE RIVER**

Independence Camp	7000'	21.8	10.0	45.9	10.1	9.8
Independence Lake	8450'	41.4	26.4	63.9	26.5	25.6
Squaw Valley Gold Coast	8200'	46.5	26.6	57.2	26.5	26.0
Truckee 2	6400'	14.3	13.5	94.4	13.9	13.8
Independence Creek	6500'	12.7	5.9	46.5	6.1	5.3
Big Meadows	8700'	25.7	17.2	66.9	17.2	16.7

**LAKE TAHOE BASIN**

Rubicon Peak 2	7500'	29.1	19.4	66.7	19.3	18.4
Tahoe City Cross	6750'	16.0	3.3	20.6	3.5	3.5
Echo Peak 5	7800'	39.5	26.0	65.8	26.0	25.1
Hagans Meadow	8000'	16.5	7.2	43.6	7.3	7.2
Fallen Leaf Lake	6250'	7.0	1.7	24.3	2.4	3.0
Ward Creek 3	6750'	39.4	28.0	71.1	27.7	26.5
Mount Rose Ski Area	8900'	38.5	27.4	71.2	27.4	26.1
Heavenly Valley	8800'	28.1	16.0	56.9	15.9	14.6
Marlette Lake	8000'	21.1	19.3	91.5	19.1	18.0

**CARSON RIVER**

Spratt Creek	6150'	4.5	0.1	2.2	1.0	2.4
Horse Meadow	8400'	48.6	30.6	63.0	30.6	29.5
Burnside Lake	8129'	-	17.8	-	17.7	17.8
Monitor Pass	8350'	-	9.6	-	9.8	9.4
Poison Flat	7900'	16.2	13.4	82.7	13.9	12.4
Forestdale Creek	8017'	-	25.3	-	25.3	24.7
Ebbetts Pass	8700'	38.8	22.2	57.2	22.3	22.0

**WALKER RIVER**

Sonora Pass Bridge	8750'	26.0	12.9	49.6	12.6	12.0
Virginia Lakes Ridge	9300'	20.3	7.4	36.5	7.4	7.0
Lobdell Lake	9200'	17.3	7.4	42.8	7.5	7.0
Summit Meadow	9313'	-	11.8	-	11.7	11.6
Leavitt Meadows	7200'	8.0	0.5	6.3	1.6	2.2
Leavitt Lake	9600'	-	33.5	-	33.3	32.0

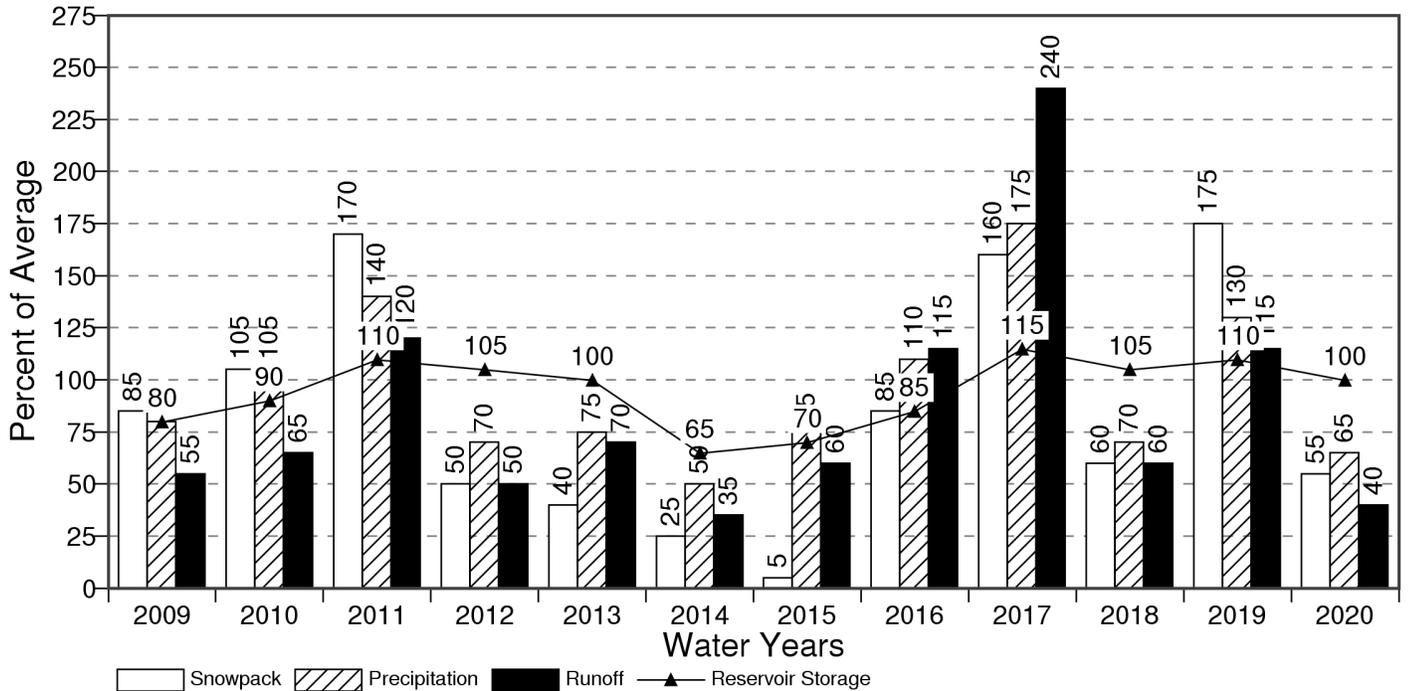
**OWENS RIVER/MONO LAKE**

Cottonwood Lakes	10150'	11.6	12.8	110.4	13.2	13.4
Gem Pass	10750'	31.7	11.6	36.5	11.6	11.2
Rock Creek Lakes	9700'	14.0	3.7	26.1	5.1	4.4
South Lake	9600'	16.0	7.7	48.0	8.0	7.6
Big Pine Creek	9800'	17.9	-	-	-	-
Sawmill	10200'	19.4	9.0	46.3	9.2	8.9

**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%

## April 1 Statewide Conditions



## SNOWLINES

Due to the COVID-19 pandemic, not all 260+ snow courses were measured during the April 2020 snow measurement window by cooperators of the California Cooperative Snow Surveys Program. As a result, approximately 2/3 of the snow courses were measured and incorporated into the Bulletin 120 forecasts. The Snow Surveys and Water Supply Forecasting Section leveraged partnerships to incorporate estimates for snow data based on the best available data at the time of forecast utilizing emerging technologies.

**Depicted** on this month's cover is a snow surveyor approaching Windy Gap in the Mineral King area of Sequoia National Park, in route to the Quinn Meadow Survey on March 30, 2020. Photo taken by Lacey Greene.