

## Summary of Water Conditions

May 1, 2020

Nearly half of the meager April 1 snowpack melted during the month leaving about 40 percent of the May 1 average on the ground, or about 30 percent of the average April 1 amount. Early April storms did bring well above average monthly precipitation in central and southern California, but less than average in the normally wetter northern water producing areas of the State.

**Forecasts** of median April-July runoff are 55 percent of average, which is a slight increase compared to last month and much less than the 160 percent forecasted last year at this time and the 170 percent of actual measured runoff. Water year 2020 runoff is now forecasted to be 50 percent of average.

**Snowpack** water content on May 1 was about 40 percent of average for May 1 and 30 percent of the April 1 average. Last year the snowpack was 160 percent of average at this time. In 2018, the snowpack was only 25 percent of average on May 1.

**Precipitation** from October through April was 70 percent of average statewide, drier in the northern water producing regions and near normal in the South Coast. Last year statewide precipitation was about 125 percent of average for the same period.

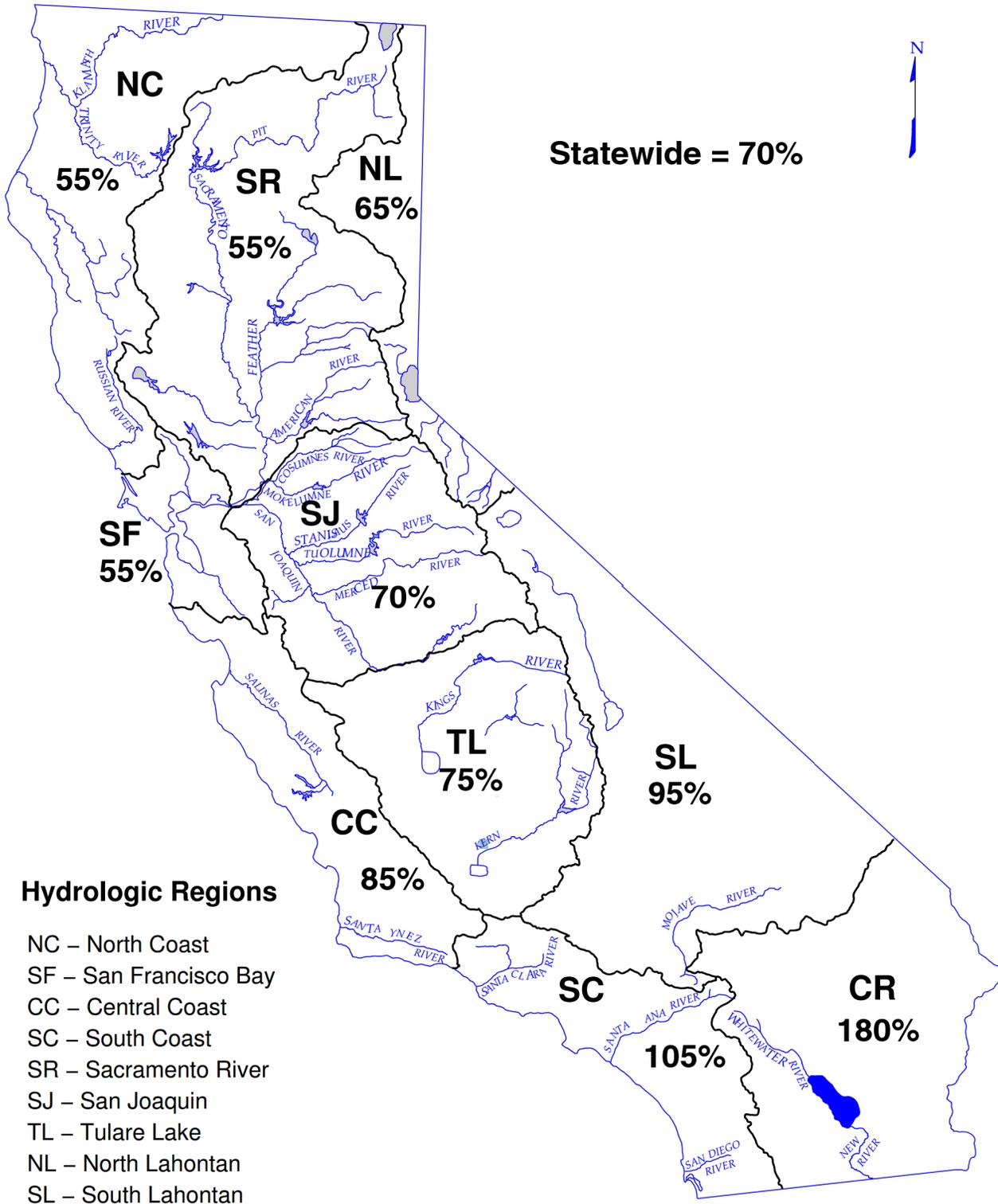
**Runoff** to date has been about 45 percent of average compared to 130 percent a year ago. April runoff was about 70 percent of average. Estimated runoff of the eight major rivers of the Sacramento-San Joaquin Delta region during April was 2.50 million acre-feet.

**Reservoir storage** is 100 percent compared to 115 percent last year on May 1.

### SUMMARY OF WATER CONDITIONS IN PERCENT OF AVERAGE

HYDROLOGIC REGION	PRECIPITATION OCTOBER 1 TO DATE	MAY 1 SNOW WATER CONTENT	MAY 1 RESERVOIR STORAGE	RUNOFF OCTOBER 1 TO DATE	APRIL-JULY RUNOFF FORECAST	WATER YEAR RUNOFF FORECAST
NORTH COAST	55	15	95	30	35	35
SAN FRANCISCO BAY	55	--	90	15	--	--
CENTRAL COAST	85	--	80	40	--	--
SOUTH COAST	105	--	95	55	--	--
SACRAMENTO RIVER	55	40	95	50	60	50
SAN JOAQUIN RIVER	70	45	110	55	55	50
TULARE LAKE	75	45	105	60	50	50
NORTH LAHONTAN	65	25	140	65	55	55
SOUTH LAHONTAN	95	60	115	90	70	75
COLORADO RIVER	180	--	--	--	--	--
<b>STATEWIDE</b>	70	40	100	45	55	50

**DEPARTMENT OF WATER RESOURCES  
CALIFORNIA COOPERATIVE SNOW SURVEYS  
SEASONAL PRECIPITATION  
IN PERCENT OF AVERAGE TO DATE  
October 1, 2019 through April 30, 2020**

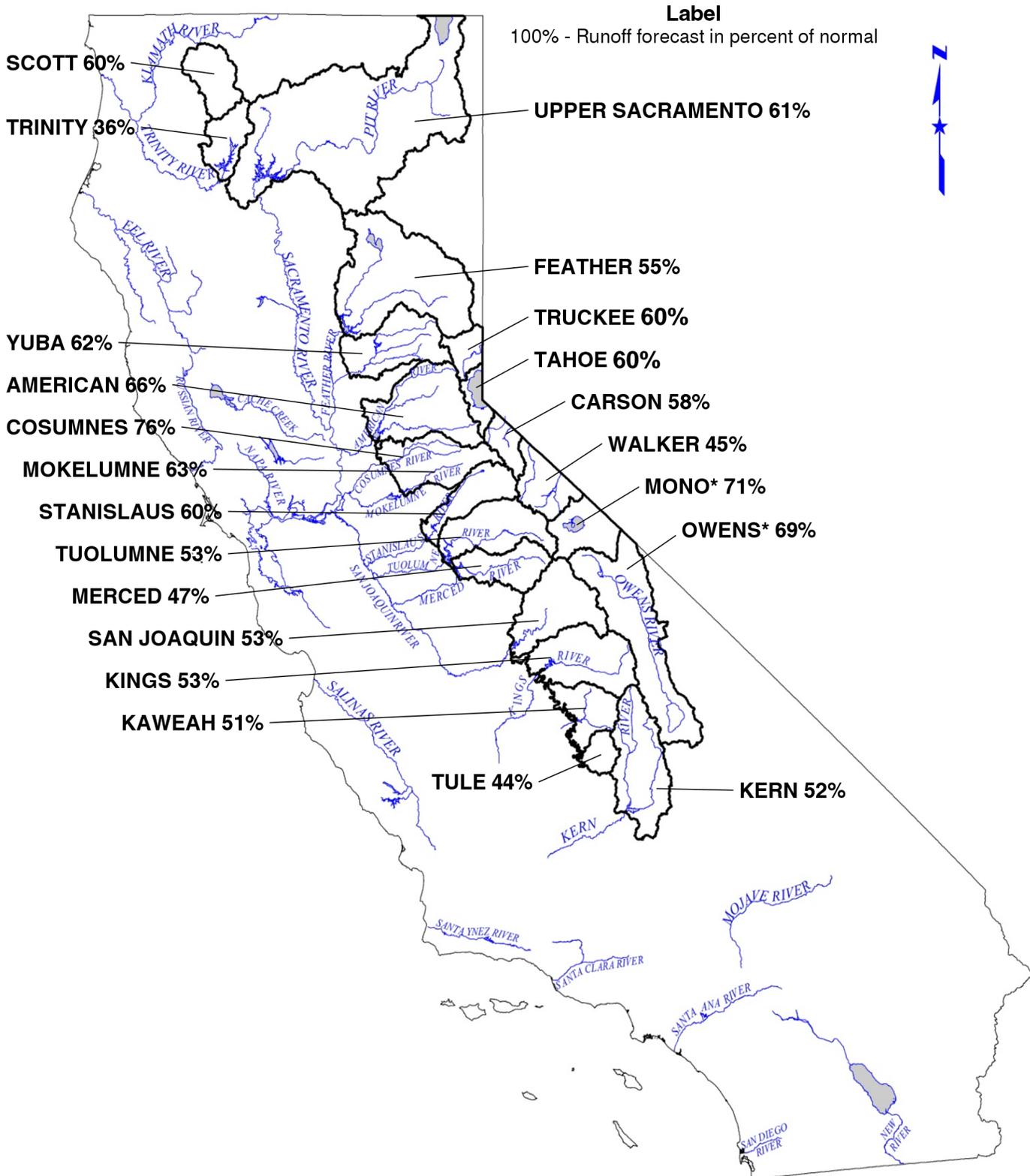


**Hydrologic Regions**

- 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 May 1, 2020



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

**May 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>230</b>	36%	180 - 280
<b>SACRAMENTO RIVER</b>						
<b>Upper Sacramento River</b>						
Sacramento River at Delta above Shasta Lake	295	751	39	120	41%	
McCloud River above Shasta Lake	385	850	185	260	68%	
Pit River near Montgomery Creek + Squaw Creek	1,020	2,098	480	680	67%	
Total Inflow to Shasta Lake	1,756	3,525	711	<b>1,050</b>	60%	860 - 1,210
<b>Sacramento River above Bend Bridge, near Red Bluff</b>	2,421	5,117	943	<b>1,480</b>	61%	1,230 - 1,750
<b>Feather River</b>						
Feather River at Lake Almanor near Prattville (3)	333	675	120	180	54%	
North Fork at Pulga (3)	1,028	2,416	243	580	56%	
Middle Fork near Clio (4)	86	518	4	45	52%	
South Fork at Ponderosa Dam (3)	110	267	13	60	55%	
Feather River at Oroville	1,704	4,676	378	<b>940</b>	55%	780 - 1,080
<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>600</b>	62%	480 - 710
<b>American River</b>						
North Fork at North Fork Dam (3)	262	716	43	175	67%	
Middle Fork near Auburn (3)	522	1,406	100	340	65%	
Silver Creek below Camino Diversion Dam (3)	173	386	37	115	66%	
American River below Folsom Lake	1,199	3,074	185	<b>790</b>	66%	650 - 950
<b>SAN JOAQUIN RIVER</b>						
<b>Cosumnes River at Michigan Bar</b>	125	446	8	<b>95</b>	76%	80 - 130
<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%	240 - 350
<b>Stanislaus River</b>						
Middle Fork below Beardsley Dam (3)	334	702	64	200	60%	
North Fork Inflow to McKays Point Dam (3)	224	503	34	135	60%	
Stanislaus River below Goodwin Reservoir (9)	682	1,710	116	<b>410</b>	60%	340 - 500
<b>Tuolumne River</b>						
Cherry Creek & Eleanor Creek near Hetch Hetchy	315	727	97	175	56%	
Tuolumne River near Hetch Hetchy	604	1,392	153	340	56%	
Tuolumne River below La Grange Reservoir (9)	1,193	2,682	301	<b>630</b>	53%	560 - 720
<b>Merced River</b>						
Merced River at Pohono Bridge	372	888	80	190	51%	
Merced River below Merced Falls (9)	623	1,588	104	<b>290</b>	47%	240 - 340
<b>San Joaquin River</b>						
San Joaquin River at Mammoth Pool (7)	1,026	2,279	235	560	55%	
Big Creek below Huntington Lake (8)	91	264	11	45	49%	
South Fork near Florence Lake (7)	201	511	58	105	52%	
San Joaquin River inflow to Millerton Lake	1,228	3,355	193	<b>650</b>	53%	530 - 760
<b>TULARE LAKE</b>						
<b>Kings River</b>						
North Fork Kings River near Cliff Camp (3)	239	565	50	130	54%	
Kings River below Pine Flat Reservoir	1,210	3,113	208	<b>640</b>	53%	510 - 760
<b>Kaweah River below Terminus Reservoir</b>	285	814	42	<b>145</b>	51%	120 - 165
<b>Tule River below Lake Success</b>	63	259	1	<b>28</b>	44%	21 - 36
<b>Kern River</b>						
Kern River near Kernville	384	1,203	83	210	55%	
Kern River inflow to Lake Isabella	458	1,657	57	<b>240</b>	52%	200 - 280

(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.

**May 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	120	75	27	8	2	0	<b>483</b>	36%	430 -	535	
860	1,966	165	143	36	29	65	30	15	10	7	7	342	40%	- -	-	
1,183	2,353	557	299	73	70	83	70	55	52	45	43	790	67%	- -	-	
3,002	5,150	1,484	739	206	203	247	165	148	120	104	104	2,035	68%	- -	-	
5,831	10,796	2,479	1,286	298	290	384	285	205	176	165	156	<b>3,245</b>	56%	2,995 -	3,455	
8,544	17,180	3,294	1,783	446	430	547	410	288	235	200	206	<b>4,545</b>	53%	4,225 -	4,890	
780	1,269	366														
2,417	4,400	666														
219	637	24														
291	562	32														
4,407	10,178	995	783	181	215	408	300	142	90	73	64	<b>2,255</b>	51%	2,070 -	2,430	
564	1,056	102														
181	292	30														
379	565	98														
2,268	5,604	369	301	75	109	309	215	60	16	9	10	<b>1,105</b>	49%	975 -	1,235	
616	1,234	66														
1,070	2,575	144														
318	705	59														
2,626	7,391	349	289	77	160	446	260	70	14	4	5	<b>1,325</b>	50%	1,180 -	1,495	
379	1,253	20	34	9	35	69	18	6	2	1	0	<b>175</b>	46%	155 -	215	
626	1,009	197														
748	1,901	129	56	19	39	122	127	36	5	1	1	<b>406</b>	54%	355 -	470	
471	929	88														
-	-	-														
1,149	3,078	155	115	32	69	190	155	50	15	6	3	<b>635</b>	55%	560 -	730	
461	1,147	123														
770	1,661	258														
1,909	4,631	383	144	36	90	261	250	100	19	7	3	<b>910</b>	48%	835 -	1,005	
461	1,020	92														
992	2,787	150	66	16	42	137	108	35	10	3	0	<b>417</b>	42%	365 -	470	
1,337	2,964	308														
112	298	14														
248	653	71														
1,793	4,642	327	107	33	53	203	250	150	47	17	10	<b>870</b>	49%	745 -	990	
284	607	58														
1,702	4,287	359	125	34	54	191	260	150	39	14	9	<b>875</b>	51%	740 -	1,000	
451	1,402	89	35	11	14	50	60	28	7	3	2	<b>210</b>	47%	180 -	235	
147	615	10	19	5	7	15	10	2	1	0	0	<b>59</b>	40%	50 -	70	
558	1,577	163														
728	2,318	130	106	25	29	56	85	70	29	15	10	<b>425</b>	58%	380 -	470	

(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.

**May 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>104</b>	60%
<b>Klamath River</b>					
Total inflow to Upper Klamath Lake (4)	475	1,150	149	<b>280</b>	59%

**NORTH LAHONTAN**

<b>Truckee River</b>					
Lake Tahoe to Farad accretions	250	713	48	<b>155</b>	62%
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>36</b>	69%
East Fork Carson River near Gardnerville	182	480	43	<b>105</b>	58%
<b>Walker River</b>					
West Walker River below Little Walker, near Coleville	153	410	35	<b>75</b>	49%
East Walker River near Bridgeport	61	209	7	<b>21</b>	34%

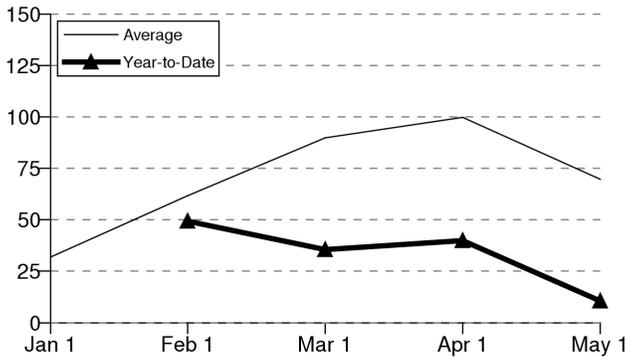
**SOUTH LAHONTAN**

<b>Owens River</b>					
Total tributary flow to Owens River (5)	231	579	84	<b>160</b>	69%

- (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.

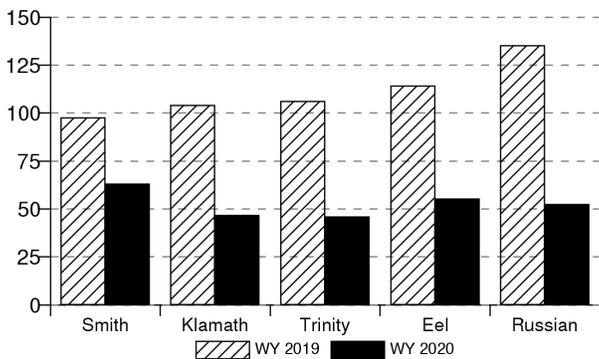
# NORTH COAST REGION

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



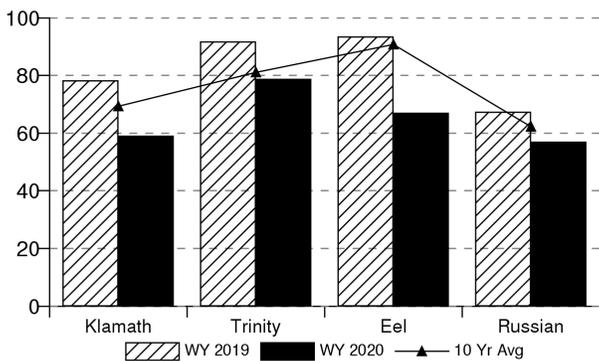
**SNOWPACK** - First of the month measurements made at 8 snow courses indicate an area wide snow water equivalent of 3.8 inches. This is 10 percent of the seasonal April 1 average and 15 percent of the May 1 average. Last year at this time the pack was holding 36.8 inches of water.

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



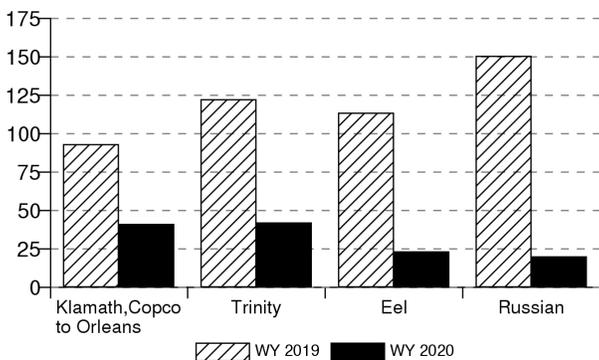
**PRECIPITATION** - Seasonal precipitation (October 1 through to the end of April) on this area was 55 percent of normal. Precipitation last month was about 55 percent of the monthly average. Season precipitation at this time last year stood at 110 percent of normal.

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



**RESERVOIR STORAGE** - First of the month storage at 6 reservoirs was 2.28 million acre-feet which is 95 percent of average. About 75 percent of available capacity was being used. Storage in these reservoirs at this time last year was 110 percent of average.

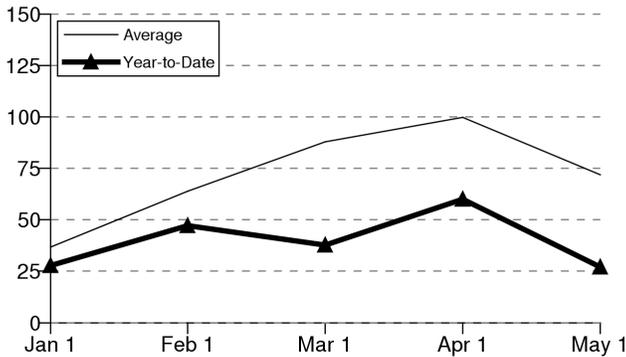
**Runoff**  
October 1 to date in % of average



**RUNOFF** - Seasonal runoff of streams draining this area totaled 3.19 million acre-feet which is 30 percent of average. Last year, runoff for the same period was 110 percent of average.

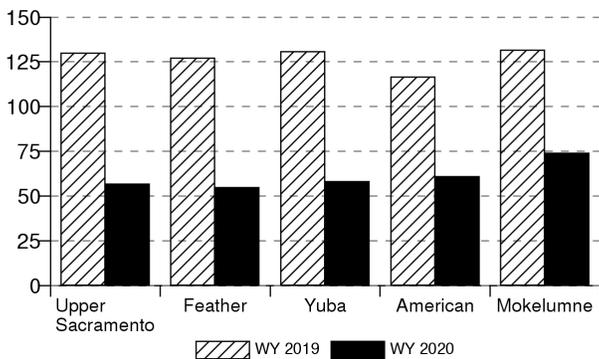
# SACRAMENTO RIVER REGION

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



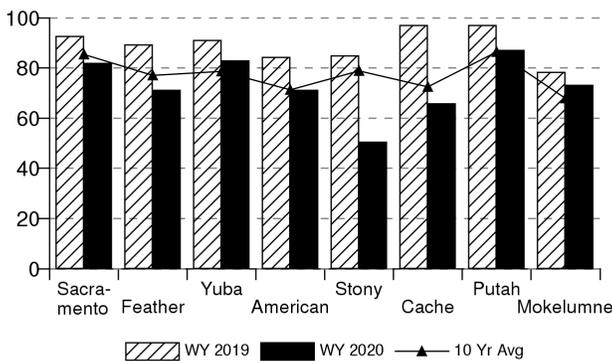
**SNOWPACK** - First of the month measurements made at 46 snow courses indicate an area wide snow water equivalent of 9.3 inches. This is 30 percent of the seasonal April 1 average and 40 percent of the May 1 average. Last year this time the pack was holding 39.7 inches of water.

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



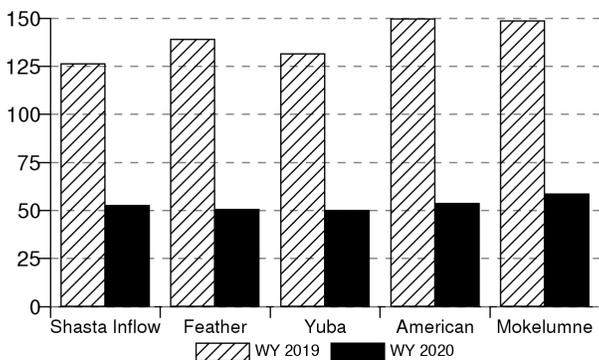
**PRECIPITATION** - Seasonal precipitation (October 1 through to the end of April) on this area was 55 percent of normal. Precipitation last month was about 80 percent of the monthly average. Season precipitation at this time last year stood at 130 percent of normal.

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



**RESERVOIR STORAGE** - First of the month storage at 43 reservoirs was 12.36 million acre-feet which is 95 percent of average. About 75 percent of available capacity was being used. Storage in these reservoirs at this time last year was 115 percent of average.

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

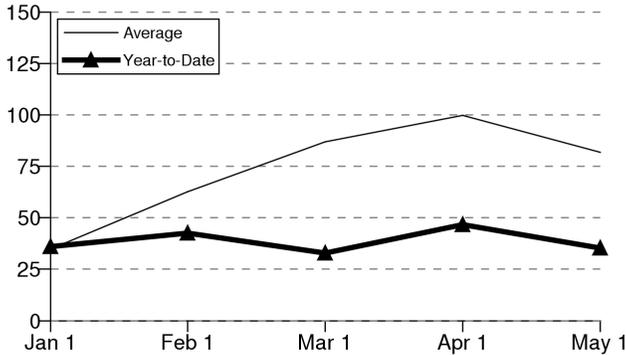


**RUNOFF** - Seasonal runoff of streams draining this area totaled 6.56 million acre-feet which is 50 percent of average. Last year, runoff for the same period was 135 percent of average.

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

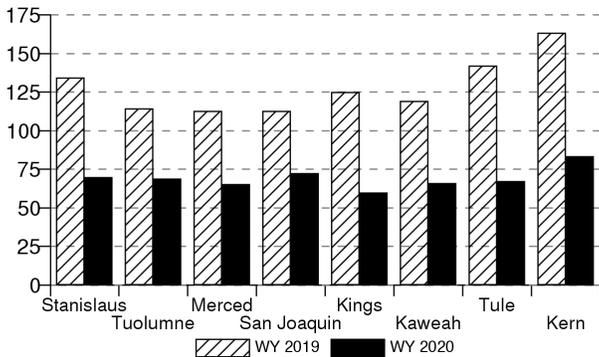
# SAN JOAQUIN RIVER AND TULARE LAKE REGIONS

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



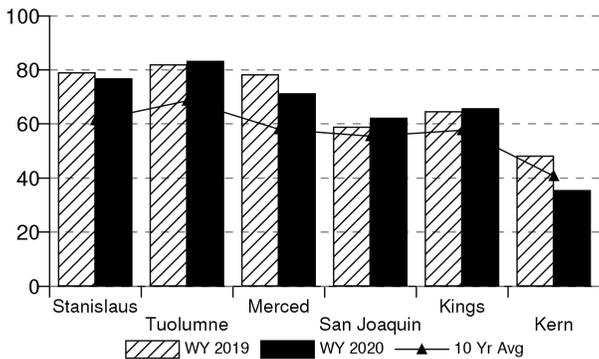
**SNOWPACK**- First of the month measurements made at 35 **San Joaquin Region** snow courses indicate an area wide snow water equivalent of 12.8 inches. This is 35 percent of the seasonal April 1 average and 45 percent of the May 1 average. Last year at this time the pack was holding 43.1 inches of water. At the same time 32 **Tulare Lake** snow courses indicate a basin-wide snow water equivalent of 9.0 inches. This is 35 percent of the seasonal April 1 average and 45 percent of the May 1 average. Last year at this time the pack was holding 32.4 inches of water.

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



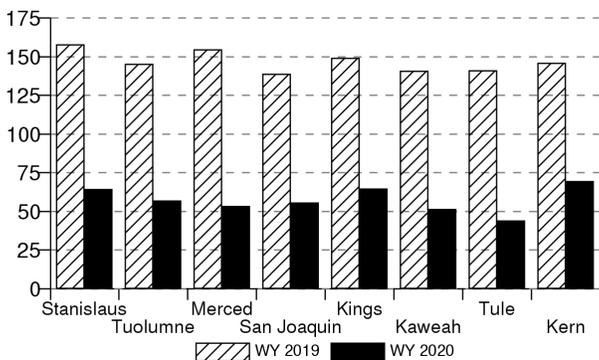
**PRECIPITATION**- Seasonal precipitation (October 1 through to the end of April) on the **San Joaquin Region** was 70 percent of normal. Precipitation last month was about 115 percent of the monthly average. Season precipitation at this time last year stood at 120 percent of normal. Seasonal precipitation (October 1 through to the end of April) on the **Tulare Lake Region** was 75 percent of normal. Precipitation last month was about 185 percent of the monthly average. Season precipitation at this time last year stood at 130 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 8.58 million acre-feet which is 110 percent of average. About 75 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 1.12 million acre-feet which is 105 percent of average. About 55 percent of available capacity was being used. Storage in these reservoirs at this time last year was 115 percent of average.

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

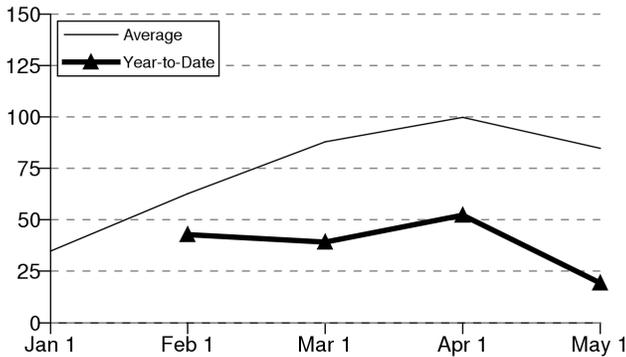


**RUNOFF**- Seasonal runoff of streams draining the **San Joaquin Region** totaled 1.98 million acre-feet which is 55 percent of average. Last year, runoff for the same period was 150 percent of average. Seasonal runoff of streams draining the **Tulare Lake Region** area totaled 775 thousand acre-feet which is 60 percent of average. Last year, runoff for the same period was 145 percent of average.

The **San Joaquin Region 60-20-20 Water Supply Index** is forecast to be 2.2 at the 75 percent exceedance level. This classifies the year as "Dry" in the San Joaquin according to the State Water Resources Control Board.

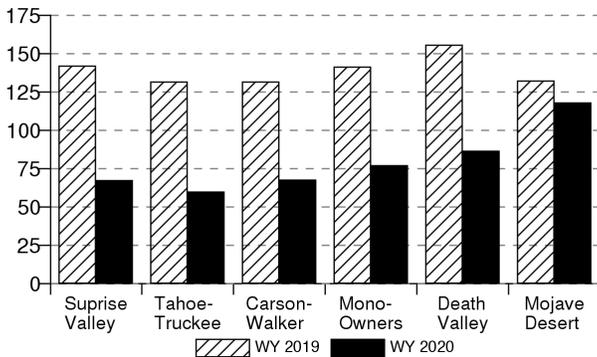
# NORTH AND SOUTH LAHONTAN REGIONS

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



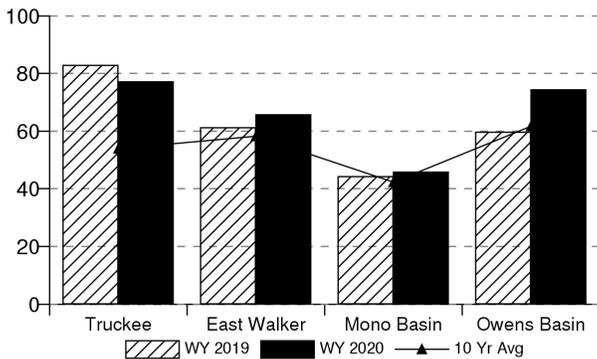
**SNOWPACK** - First of the month measurements made at 3 **North Lahontan Region** snow courses indicate an area wide snow water equivalent of 6.2 inches. This is 20 percent of the seasonal April 1 average and 25 percent of the May 1 average. Last year this time the pack was holding 30.6 inches of water. At the same time 1 **South Lahontan Region** snow courses indicate a basin-wide snow water equivalent of 11.5 inches. This is 50 percent of the seasonal April 1 average and 60 percent of the May 1 average. Last year this time the pack was holding 32.5 inches of water.

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



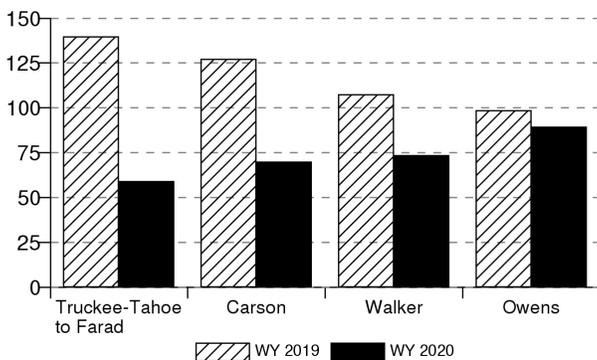
**PRECIPITATION** - Seasonal precipitation (October 1 through to the end of April) on the **North Lahontan Region** was 65 percent of normal. Precipitation last month was about 110 percent of the monthly average. Season precipitation at this time last year stood at 135 percent of normal. Seasonal precipitation (October 1 through to the end of April) on the **South Lahontan Region** was 95 percent of normal. Precipitation last month was about 320 percent of the monthly average. Season 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 822 thousand acre-feet which is 140 percent of average. About 75 percent of available capacity was being used. Storage in these reservoirs at this time last year was 150 percent of average. First of the month storage in 8 **South Lahontan Region** reservoirs was 295 thousand 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 95 percent of average.

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

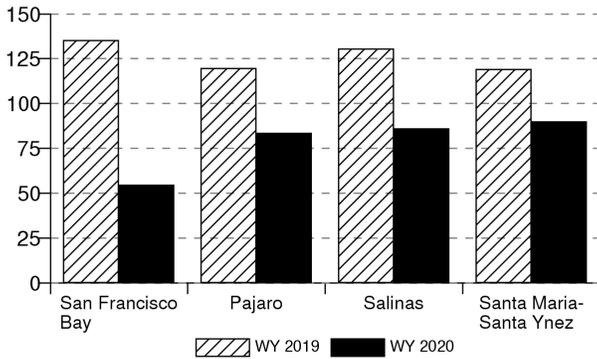


**RUNOFF** - Seasonal runoff of streams draining the **North Lahontan Region** totaled 272 thousand acre-feet which is 65 percent of average. Last year, runoff for the same period was 130 percent of average. Seasonal runoff of streams draining the **South Lahontan Region** area totaled 68 thousand acre-feet which is 90 percent of average. Last year, runoff for the same period was 100 percent of average.

# SAN FRANCISCO BAY AND CENTRAL COAST REGIONS

## Precipitation

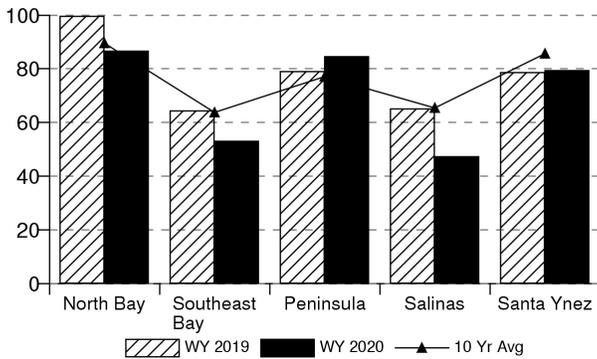
October 1 to date in % of average



**PRECIPITATION** - Seasonal precipitation (October 1 through to the end of April) on the **San Francisco Bay Region** was 55 percent of normal. Precipitation last month was about 80 percent of the monthly average. Season precipitation at this time last year stood at 135 percent of normal. Seasonal precipitation (October 1 through to the end of April) on the **Central Coast Region** was 85 percent of normal. Precipitation last month was about 150 percent of the monthly average. Season precipitation at this time last year stood at 125 percent of normal.

## Reservoir Storage

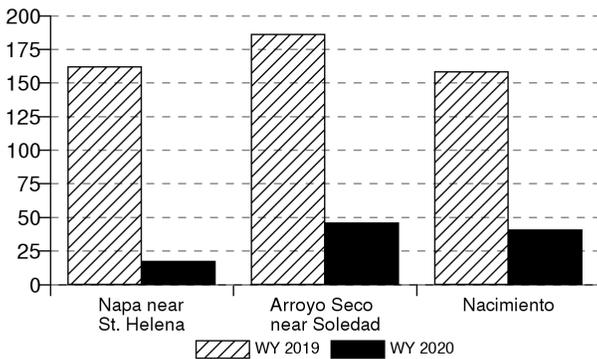
Contents of major reservoirs in % of capacity



**RESERVOIR STORAGE** - First of the month storage in 17 **San Francisco Region** reservoirs was 486 thousand acre-feet which is 90 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. First of the month storage in 6 **Central Coast Region** reservoirs was 543 thousand acre-feet which is 80 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 12 thousand acre-feet which is 15 percent of average. Last year, runoff for the same period was 160 percent of average. Seasonal runoff of streams draining the **Central Coast Region** area totaled 130 thousand acre-feet which is 40 percent of average. Last year, runoff for the same period was 170 percent of average.

## **SOUTH COAST REGION**

***PRECIPITATION*** - Seasonal precipitation (October through to the end of April) on the South Coast Region was 105 percent of average. Precipitation last month was about 290 percent of average. Seasonal precipitation at this time last year stood at 135 percent of average.

***RESERVOIR STORAGE*** - First of the month at 29 reservoirs was 1.46 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 100 percent of average.

***RUNOFF*** - Seasonal runoff of streams draining this area totaled 78 thousand acre-feet which is 55 percent of average. Last year, runoff for the same period was 140 percent of average.

## **COLORADO RIVER REGION**

***SNOWPACK*** - The May 1 snowpack in the Colorado River basin above Lake Powell is 90 percent of average, highest in the Upper Colorado River Headwaters at 110 percent of average and lowest in the South Eastern Utah basin at 0 percent of average.

***PRECIPITATION*** - Seasonal precipitation (October through to the end of April) on the Colorado River Region was 180 percent of average. Precipitation last month was about 445 percent of average. Seasonal precipitation at this time last year stood at 165 percent of average.

***RESERVOIR STORAGE*** - First of the month storage at 4 reservoirs was 25.4 million acre-feet which is 65 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 4.37 million acre-feet, which is 61 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 April			
			2019 1,000 AF	2020 1,000 AF	PERCENT AVERAGE	PERCENT CAPACITY
<b><i>STATE WATER PROJECT</i></b>						
Lake Oroville	3,538	2,857	3,285	2,490	87%	70%
San Luis Reservoir (SWP)	1,062	937	867	952	102%	90%
Lake Del Valle	77	39	39	34	87%	44%
Lake Silverwood	78	69	66	69	99%	88%
Pyramid Lake	180	163	167	166	101%	92%
Castaic Lake	325	288	300	295	102%	91%
Perris Lake	131	105	108	122	116%	93%
<b><i>CENTRAL VALLEY PROJECT</i></b>						
Trinity Lake	2,448	1,984	2,240	1,921	97%	78%
Lake Shasta	4,552	3,872	4,223	3,687	95%	81%
Whiskeytown Lake	241	233	231	239	103%	99%
Folsom Lake	977	727	887	697	96%	71%
New Melones Reservoir	2,400	1,483	1,921	1,905	128%	79%
Millerton Lake	521	358	311	339	95%	65%
San Luis Reservoir (CVP)	971	839	882	560	67%	58%
<b><i>COLORADO RIVER PROJECT</i></b>						
Lake Mead	26,159	18,823	10,767	11,415	61%	44%
Lake Powell	24,322	16,854	9,198	11,685	69%	48%
Lake Mohave	1,810	1,670	1,686	1,696	102%	94%
Lake Havasu	648	587	567	569	97%	88%
<b><i>EAST BAY MUNICIPAL UTILITY DISTRICT</i></b>						
Pardee Res	204	184	205	184	100%	90%
Camanche Reservoir	417	265	326	302	114%	72%
East Bay (4 res.)	159	134	138	128	96%	81%
<b><i>CITY AND COUNTY OF SAN FRANCISCO</i></b>						
Hetch-Hetchy Reservoir	360	189	284	268	141%	74%
Cherry Lake	268	176	204	250	142%	93%
Lake Eleanor	29	17	24	26	150%	90%
South Bay/Peninsula (4 res.)	238	173	184	185	107%	78%
<b><i>CITY OF LOS ANGELES (D.W.P.)</i></b>						
Lake Crowley	183	124	120	149	120%	81%
Grant Lake	48	26	30	30	113%	62%
Other Aqueduct Storage (6 res.)	100	63	57	68	109%	68%

# TELEMETERED SNOW WATER EQUIVALENTS

May 1, 2020

(AVERAGES BASED ON PERIOD RECORD)

BASIN NAME STATION NAME	ELEV	APRIL 1 AVERAGE	May 1	INCHES OF WATER EQUIVALENT		1 WEEK PREVIOUS
				PERCENT OF APRIL 1 AVERAGE	24 HRS PREVIOUS	
<b>TRINITY RIVER</b>						
Shimmy Lake	6400'	40.3	2.8	6.8	3.9	10.3
Crowder Flat	5100'	-	0.0	-	0.0	0.0
Highland Lakes	6030'	29.9	-	-	-	-
Mumbo Basin	5650'	22.4	-	-	-	-
Bonanza King	6450'	40.5	1.0	2.4	2.0	15.4
Red Rock Mountain	6700'	39.6	1.4	3.5	2.3	11.5
Big Flat	5100'	15.8	0.0	0.0	0.0	1.6
Scott Mountain	5900'	16.0	0.0	0.0	0.0	0.0
Peterson Flat	7150'	29.2	0.0	0.0	0.0	3.0
Middle Boulder 3	6200'	28.3	0.0	0.0	0.0	5.4
<b>SACRAMENTO RIVER</b>						
Blacks Mountain	7050'	12.7	-	-	-	-
Cedar Pass	7100'	18.1	0.3	1.7	1.3	7.9
Medicine Lake	6700'	32.6	4.1	12.5	4.8	10.8
Sand Flat	6750'	42.4	2.4	5.7	3.7	9.8
Slate Creek	5700'	29.0	0.0	0.0	0.0	0.0
Adin Mountain	6200'	13.6	0.0	0.0	0.0	0.0
Stouts Meadow	5400'	36.0	0.0	0.0	0.0	6.7
Snow Mountain	5950'	27.0	0.0	0.0	0.0	9.0
<b>FEATHER RIVER</b>						
Kettle Rock	7300'	25.5	2.2	8.5	3.2	11.6
Gold Lake	6750'	36.5	27.1	74.3	27.8	31.1
Bucks Lake	5873'	44.7	17.6	39.5	19.3	26.8
Harkness Flat	6200'	28.5	0.0	0.0	0.0	0.1
Four Trees	5202'	20.0	0.0	0.0	0.0	0.0
Humbug	6500'	28.0	5.3	18.9	7.3	18.5
Grizzly Ridge	6900'	29.7	5.6	19.0	7.6	14.6
Rattlesnake	6210'	14.0	0.0	0.0	0.0	0.0
Lower Lassen Peak	8338'	-	44.6	-	46.1	55.1
Pilot Peak	6800'	52.6	14.4	27.3	15.6	23.5
<b>EEL RIVER</b>						
Noel Spring	5100'	-	0.0	-	0.0	0.0
<b>YUBA &amp; AMERICAN RIVERS</b>						
Carson Pass	8353'	-	17.5	-	18.2	23.1
Lake Lois	8600'	39.5	-	-	-	-
Forni Ridge	7600'	37.0	13.6	36.7	14.9	23.1
Silver Lake	7100'	22.7	0.0	0.0	1.3	10.1
Blue Canyon	5280'	9.0	0.0	0.0	0.0	3.0
Schneiders	8750'	34.5	39.3	113.9	40.7	43.4
Meadow Lake	7200'	55.5	-	-	-	-
Robbs Powerhouse	5150'	5.2	0.0	0.0	0.0	0.0
Robinson Cow Camp	6480'	-	14.3	-	15.7	22.6
Cent Sierra Snow Lab	6900'	33.6	5.2	15.5	6.2	12.5
Caples Lake	8000'	30.9	12.5	40.5	13.7	19.2
Alpha	7600'	35.9	8.6	23.9	10.1	16.8
Robbs Saddle	5900'	21.4	0.0	0.0	0.0	4.5
Huysink	6600'	42.6	23.2	54.4	23.3	25.8
Van Vleck	6700'	35.9	10.6	29.4	11.5	18.0
Greek Store	5600'	21.0	-	-	-	-
<b>MOKELUMNE &amp; STANISLAUS RIVERS</b>						
Highland Meadow	8700'	47.9	11.3	23.6	12.4	15.8
Gianelli Meadow	8400'	55.5	26.6	48.0	27.5	32.9
Bloods Creek	7200'	35.5	8.7	24.6	9.7	16.2
Blue Lakes	8000'	33.1	18.3	55.2	19.1	24.0
Mud Lake	7900'	44.9	-	-	-	-
Black Springs	6500'	32.0	21.0	65.6	22.0	27.0
Stanislaus Meadow	7750'	47.5	20.7	43.5	21.2	24.0
Deadman Creek	9250'	37.2	11.7	31.4	12.4	16.0
Lower Relief Valley	8100'	41.2	10.8	26.2	11.4	15.1
<b>TUOLUMNE &amp; MERCED RIVERS</b>						
Dana Meadows	9800'	27.7	12.0	43.4	12.2	15.5
Horse Meadow	8400'	48.6	24.1	49.7	25.1	31.3
Tuolumne Meadows	8600'	22.6	0.0	0.0	0.0	2.2
Slide Canyon	9200'	41.1	16.9	41.1	17.7	23.1
Ostrander Lake	8200'	34.8	14.8	42.6	16.1	23.7
Gin Flat	7050'	34.2	1.9	5.7	3.5	10.4
Tenaya Lake	8150'	33.1	13.4	40.5	15.1	18.1
White Wolf	7900'	-	0.0	-	0.0	7.2
Lower Kibbie Ridge	6700'	27.4	0.0	0.0	0.0	2.3
Paradise Meadow	7650'	41.3	11.4	27.7	12.8	19.8

**SAN JOAQUIN RIVER**

Volcanic Knob	10050'	30.1	15.5	51.5	16.3	20.7
Tamarack Summit	7550'	30.5	-	-	-	-
Kaiser Point	9200'	37.8	8.1	21.3	9.3	15.5
Huntington Lake	7000'	20.1	4.4	21.7	6.5	13.2
Green Mountain	7900'	30.8	0.0	0.0	0.0	4.0
Poison Ridge	6900'	28.9	0.0	0.0	0.0	6.8
Graveyard Meadow	6900'	18.8	0.0	0.0	0.0	2.0
Agnew Pass	9450'	32.3	-	-	-	-
Devils Postpile	7569'	-	0.0	-	0.0	0.0
Chilkoot Meadow	7150'	38.0	14.3	37.5	15.2	21.0

**KINGS RIVER**

Bishop Pass	11200'	34.0	-	-	-	-
Blackcap Basin	10300'	34.3	16.5	48.1	17.2	23.1
Mitchell Meadow	9900'	32.9	19.4	58.9	20.0	23.0
Upper Burnt Corral	9700'	34.6	18.9	54.5	19.7	21.8
State Lakes	10300'	29.0	9.5	32.7	11.0	17.7
West Woodchuck Meadow	9100'	32.8	6.4	19.5	7.4	13.6
Big Meadows	7600'	25.9	-	-	-	-
Charlotte Lake	10400'	27.5	16.1	58.4	17.2	22.9

**KAWEAH & TULE RIVERS**

Farewell Gap	9500'	34.5	-	-	-	-
Giant Forest	6650'	10.0	0.0	0.0	0.0	0.7
Quaking Aspen	7200'	21.0	0.0	0.0	0.0	0.3

**KERN RIVER**

Tunnel Guard Station	8900'	15.6	-	-	-	-
Beach Meadows	7650'	11.0	0.0	0.0	0.0	0.3
Upper Tyndall Creek	11400'	27.7	14.1	51.0	14.7	17.9
Casa Vieja Meadows	8300'	20.9	0.0	0.0	0.0	6.8
Pascoes	9150'	24.9	11.0	44.0	12.4	18.7
Wet Meadows	8950'	30.3	0.0	0.0	0.0	2.9
Chagoopa Plateau	10300'	21.8	5.7	26.2	6.9	11.4
Crabtree Meadow	10700'	19.8	5.8	29.4	6.8	10.8

**SURPRISE VALLEY AREA**

Dismal Swamp	7050'	29.2	19.3	66.1	20.3	24.7
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**TRUCKEE RIVER**

Independence Camp	7000'	21.8	0.0	0.0	0.0	0.0
Independence Lake	8450'	41.4	25.5	61.7	26.1	29.2
Squaw Valley Gold Coast	8200'	46.5	13.9	29.9	15.4	23.5
Truckee 2	6400'	14.3	0.0	0.0	0.1	6.5
Independence Creek	6500'	12.7	0.0	0.0	0.0	0.0
Big Meadows	8700'	25.7	6.2	24.1	7.2	13.0

**LAKE TAHOE BASIN**

Rubicon Peak 2	7500'	29.1	11.6	39.9	12.5	17.1
Tahoe City Cross	6750'	16.0	0.0	0.0	0.0	0.0
Echo Peak 5	7800'	39.5	9.7	24.6	11.3	20.3
Hagans Meadow	8000'	16.5	0.0	0.0	0.0	2.7
Fallen Leaf Lake	6250'	7.0	0.0	0.0	0.0	0.0
Ward Creek 3	6750'	39.4	11.6	29.4	13.0	20.5
Mount Rose Ski Area	8900'	38.5	20.8	54.0	21.6	27.5
Heavenly Valley	8800'	28.1	4.8	17.1	5.9	11.8
Marlette Lake	8000'	21.1	9.6	45.5	10.7	15.9

**CARSON RIVER**

Spratt Creek	6150'	4.5	0.0	0.0	0.0	0.0
Horse Meadow	8400'	48.6	24.1	49.7	25.1	31.3
Burnside Lake	8129'	-	9.0	-	10.0	15.1
Monitor Pass	8350'	-	0.0	-	0.0	5.1
Poison Flat	7900'	16.2	3.5	21.6	4.6	10.3
Forestdale Creek	8017'	-	21.2	-	22.3	25.1
Ebbetts Pass	8700'	38.8	14.7	37.9	16.6	24.2

**WALKER RIVER**

Sonora Pass Bridge	8750'	26.0	10.1	38.8	10.9	15.1
Virginia Lakes Ridge	9300'	20.3	7.2	35.5	7.6	10.4
Lobdell Lake	9200'	17.3	0.0	0.0	0.0	4.1
Summit Meadow	9313'	-	8.3	-	8.8	13.5
Leavitt Meadows	7200'	8.0	0.0	0.0	0.0	0.0
Leavitt Lake	9600'	-	33.2	-	33.7	39.4

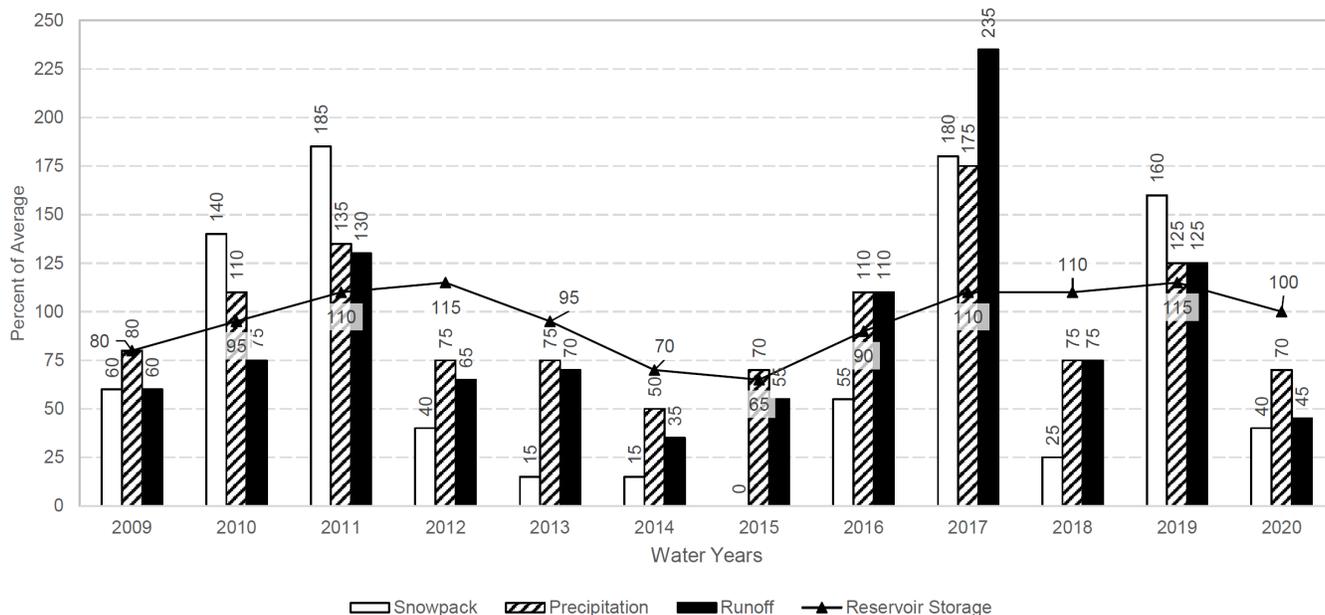
**OWENS RIVER/MONO LAKE**

Cottonwood Lakes	10150'	11.6	10.5	90.9	11.7	16.3
Gem Pass	10750'	31.7	13.0	41.1	13.3	14.6
Rock Creek Lakes	9700'	14.0	0.0	0.0	0.0	1.5
South Lake	9600'	16.0	4.0	24.8	4.7	9.5
Big Pine Creek	9800'	17.9	-	-	-	-
Sawmill	10200'	19.4	7.1	36.5	8.2	12.6

**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%

## May 1 Statewide Conditions



## SNOWLINES

Due to the COVID-19 pandemic, not all 260+ snow courses were measured during the May 2020 snow measurement window by cooperators of the California Cooperative Snow Surveys Program.

**Depicted** on this month's cover is Sue King, snow gauger for Sierra Snow Surveys, close to the top of Bishop Pass (elevation 11,972 ft) en route to Dusy Basin where the Bishop Pass snow course is located in the Kings River watershed. Bishop Pass is the fifth highest-elevation snow course in California at an elevation of 11,200 ft. The four highest-elevation snow courses in California are Mono Pass (11,450 ft), Bighorn Plateau (11,350 ft), Piute Pass (11,300 ft), and Bishop Lake (11,300 ft). Photo was taken on May 2, 2020 by fellow Sierra Snow Surveys snow gauger and husband Jim King.