Summary of Water Conditions

February 1, 2018

What a contrast in water years! Last year was one of the wettest; this water year seems to be shaking out as one of the driest, although not quite as low as in 1977 or more recently in 2014. Residual watershed moiture from 2017 is helping to maintain base streamflows above what would otherwise be expected with the low precipitation.

Forecasts of median April through July runoff are expected to be about 55 percent of average compared to last year's 145 percent forecast on this date and an eventual actual 190 percent amount for the snowmelt season. Total statewide runoff in the 2017 water year was estimated to be 215 percent of average.

Snowpack water content is quite low at about 25 percent of average for this date compared to 185 percent a year ago. The pack is about 15 percent of the April 1 average, normally the date of maximum accumulation. Regional February 1 amounts range from about 20 percent to 30 percent, with somewhat higher percentages at higher elevations and on the east side and some lower elevation courses bare in the southern Sierra.

Precipitation from October through January was about 60 percent statewide compared to 180 percent last year. This year the lowest percentages are in the south and higher in the north at around 80 percent.

Runoff to date has been about 55 percent of average statewide compared to 215 last year on this date. Estimated January runoff was about 45 percent. Estimated runoff of the eight major rivers of the Sacramento-San Joaquin region in January was 1.45 million acre-feet.

Reservoir storage is about 105 percent of average, compared to 115 percent last year when many were in the flood control mode. Storage at Lake Oroville on February 1 was about 1.4 million acre-feet less than last year. If storage there was normal, it would raise the statewide storage about 4 percent.

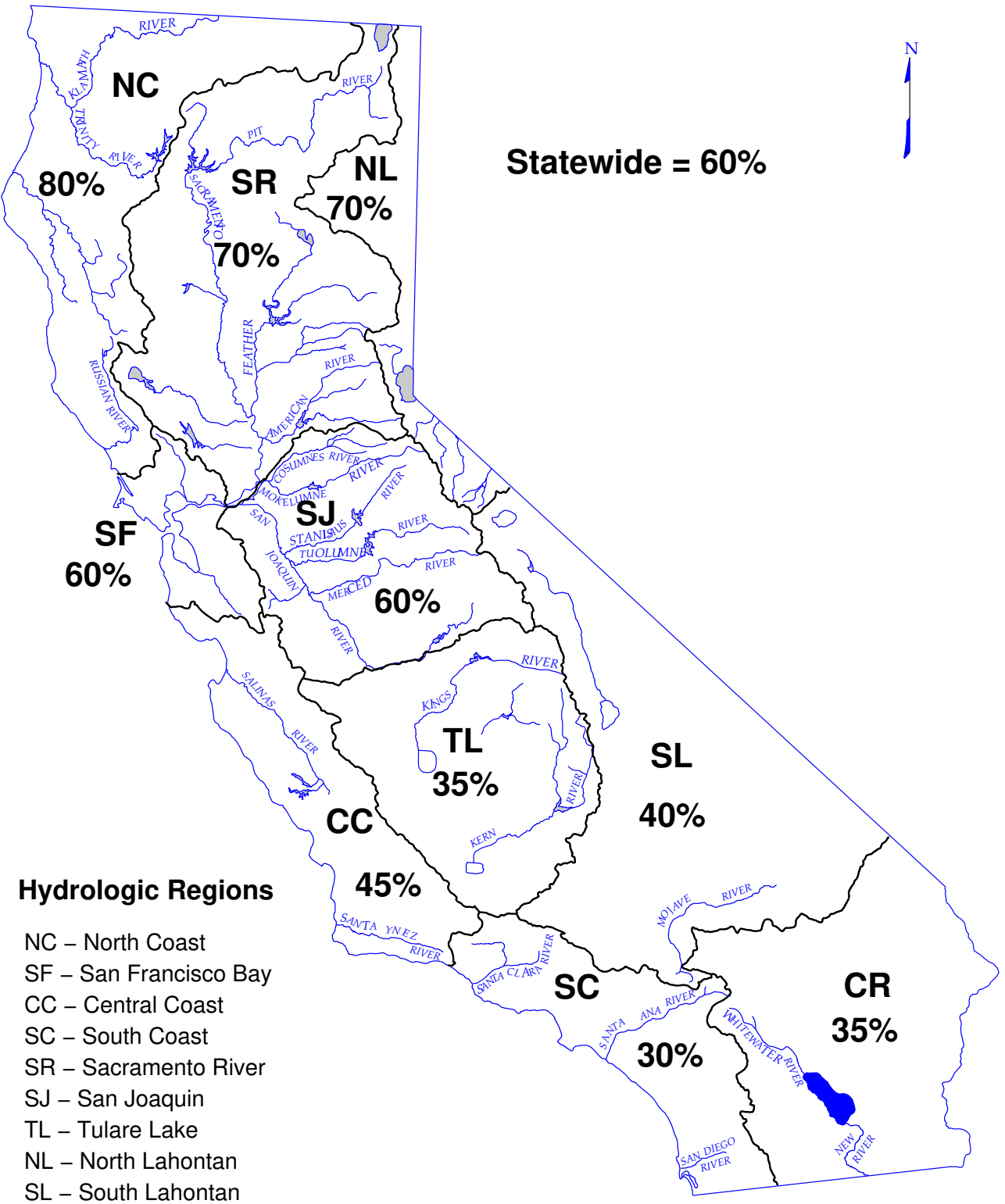
SUMMARY OF WATER CONDITIONS IN PERCENT OF AVERAGE

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	80	15	100	40	45	50
SAN FRANCISCO BAY	60	--	85	10	--	--
CENTRAL COAST	45	--	65	10	--	--
SOUTH COAST	30	--	85	5	--	--
SACRAMENTO RIVER	70	20	100	60	60	65
SAN JOAQUIN RIVER	60	15	120	65	55	60
TULARE LAKE	35	10	105	65	50	50
NORTH LAHONTAN	70	15	175	135	60	70
SOUTH LAHONTAN	40	20	100	120	55	65
COLORADO RIVER	35	--	--	--	--	--
STATEWIDE	60	15	105	55	55	60

SEASONAL PRECIPITATION

IN PERCENT OF AVERAGE TO DATE

October 1, 2017 through January 31, 2018

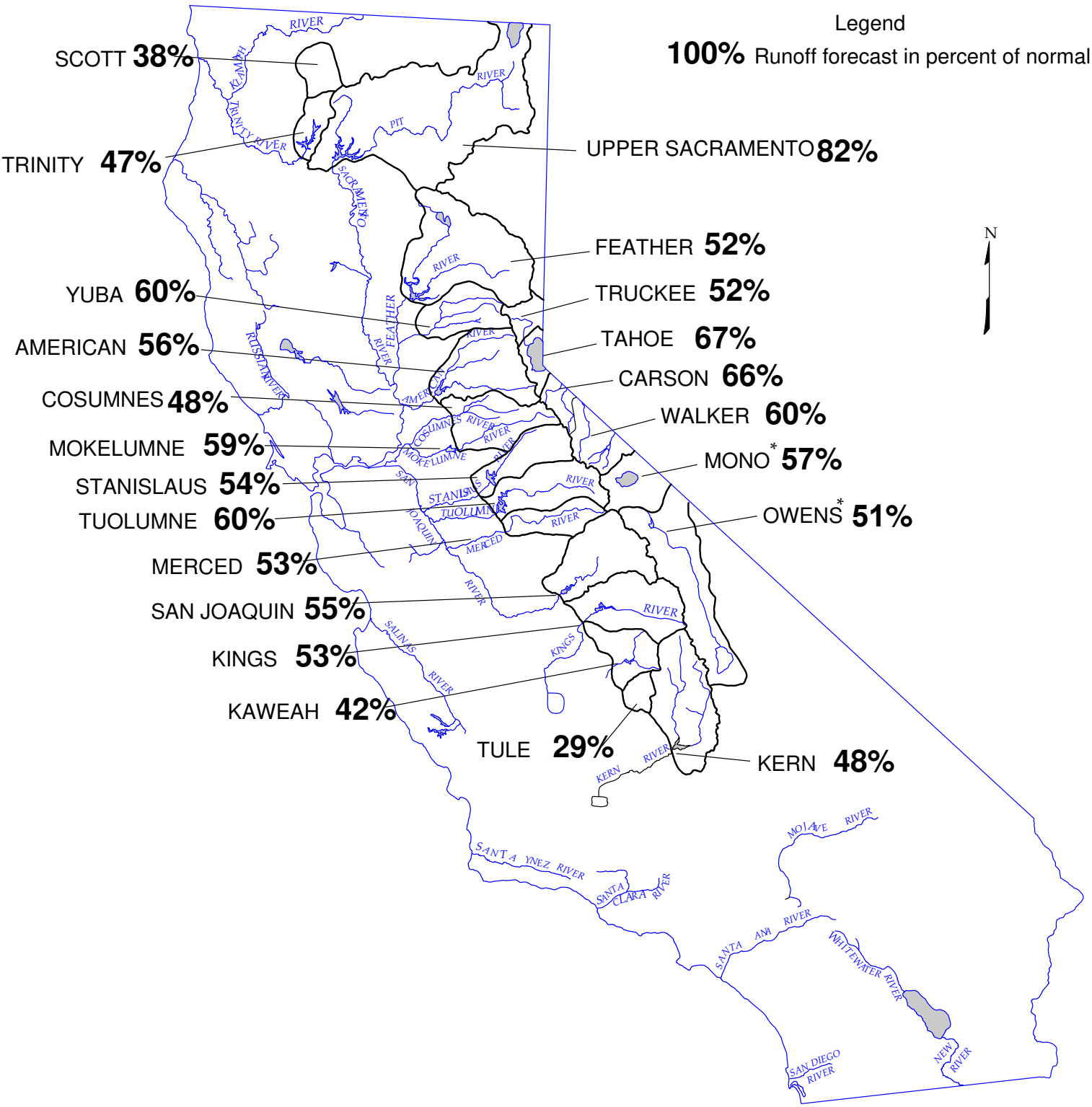


Hydrologic Regions

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
February 1, 2018



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

FEBRUARY 1, 2018 FORECASTS
APRIL-JULY UNIMPAIRED RUNOFF

HYDROLOGIC REGION and Watershed	Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL 50 Yr Avg (2)	Max of Record (10)	Min of Record (10)	FORECAST Apr-Jul Forecast	Pct of Avg	80 % Probability Range (1)
North Coast						
Trinity River at Lewiston Lake	639	1,593	80	**300**	47%	200 - 420
SACRAMENTO RIVER						
Upper Sacramento River						
Sacramento River at Delta above Shasta Lake	295	751	39	165	56%	
McCloud River above Shasta Lake	385	850	185	340	88%	
Pit River near Montgomery Creek + Squaw Creek	1,020	2,098	480	910	89%	
Total Inflow to Shasta Lake	1,756	3,525	711	**1,440**	82%	1,160 - 1,750
Sacramento River above Bend Bridge, near Red Bluff	2,421	5,117	943	**1,720**	71%	1,340 - 2,130
Feather River						
Feather River at Lake Almanor near Prattville (3)	333	675	120	190	57%	
North Fork at Pulga (3)	1,028	2,416	243	500	49%	
Middle Fork near Clio (4)	86	518	4	35	41%	
South Fork at Ponderosa Dam (3)	110	267	13	45	41%	
Feather River at Oroville	1,704	4,676	378	**880**	52%	600 - 1,180
Yuba River						
North Yuba below Goodyears Bar	279	647	51	160	57%	
Inflow to Jackson Mdws and Bowman Reservoirs (3)	112	236	25	65	58%	
South Yuba at Langs Crossing (3)	233	481	57	130	56%	
Yuba River near Smartsville plus Deer Creek	968	2,424	151	**580**	60%	410 - 810
American River						
North Fork at North Fork Dam (3)	262	716	43	140	53%	
Middle Fork near Auburn (3)	522	1,406	100	310	59%	
Silver Creek below Camino Diversion Dam (3)	173	386	37	90	52%	
American River below Folsom Lake	1,199	3,074	185	**670**	56%	460 - 950
SAN JOAQUIN RIVER						
Cosumnes River at Michigan Bar	125	446	8	**60**	48%	40 - 100
Mokelumne River						
North Fork near West Point (5)	437	829	104	250	57%	
Total Inflow to Pardee Reservoir	457	1,076	75	**270**	59%	210 - 370
Stanislaus River						
Middle Fork below Beardsley Dam (3)	334	702	64	190	57%	
North Fork Inflow to McKays Point Dam (3)	224	503	34	120	54%	
Stanislaus River below Goodwin Reservoir (9)	682	1,710	116	**370**	54%	300 - 490
Tuolumne River						
Cherry Creek & Eleanor Creek near Hetch Hetchy	315	727	97	190	60%	
Tuolumne River near Hetch Hetchy	604	1,392	153	370	61%	
Tuolumne River below La Grange Reservoir (9)	1,193	2,682	301	**720**	60%	590 - 940
Merced River						
Merced River at Pohono Bridge	372	888	80	210	56%	
Merced River below Merced Falls (9)	623	1,587	104	**330**	53%	270 - 430
San Joaquin River						
San Joaquin River at Mammoth Pool (7)	1,026	2,279	235	580	57%	
Big Creek below Huntington Lake (8)	91	264	11	45	49%	
South Fork near Florence Lake (7)	201	511	58	120	60%	
San Joaquin River inflow to Millerton Lake	1,228	3,355	193	**680**	55%	520 - 860
TULARE LAKE						
Kings River						
North Fork Kings River near Cliff Camp (3)	239	565	50	120	50%	
Kings River below Pine Flat Reservoir	1,210	3,113	208	**640**	53%	470 - 810
Kaweah River below Terminus Reservoir	285	814	42	**120**	42%	90 - 160
Tule River below Lake Success	63	259	1	**18**	29%	11 - 30
Kern River						
Kern River near Kernville	384	1,203	83	190	49%	
Kern River inflow to Lake Isabella	458	1,657	57	**220**	48%	150 - 300

(1) See inside 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, 2018 FORECASTS
WATER YEAR UNIMPAIRED RUNOFF

Unimpaired Runoff in 1,000 Acre-Feet (1)

HISTORICAL			DISTRIBUTION									FORECAST		
50 Yr Avg (2)	Max of Record (10)	Min of Record (10)	Oct Thru Jan *	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Water Year Forecast	Pct of Avg	80 % Probability Range (1)
1348	2990	200	135	100	151	125	120	45	10	3	1	**690**	51%	500 - 920
860	1,965	165												
1,183	2,353	557												
3,002	5,150	1,484												
5,831	10,796	2,479	1,156	540	684	530	420	270	220	185	185	**4,190**	72%	3,590 - 4,850
8,544	17,180	3,294	1,582	760	968	645	490	335	250	235	235	**5,500**	64%	4,630 - 6,440
780	1,269	366												
2,417	4,400	666												
219	637	24												
291	562	32												
4,407	10,178	994	843	405	552	360	290	140	90	75	65	**2,820**	64%	2,190 - 3,500
564	1,056	102												
181	292	30												
379	565	98												
2,268	5,604	369	488	210	289	245	240	75	20	12	11	**1,590**	70%	1,260 - 2,030
616	1,234	66												
1,070	2,575	144												
318	705	59												
2,626	7,391	349	502	230	340	290	280	85	15	4	4	**1,750**	67%	1,350 - 2,280
379	1,253	20	43	35	57	33	20	6	1	0	0	**195**	51%	140 - 300
626	1,009	197												
748	1,901	129	106	45	67	100	130	35	5	1	1	**490**	66%	400 - 640
471	929	88												
1,149	3,078	155	154	65	114	145	160	55	10	4	3	**710**	62%	600 - 890
461	1,147	123												
770	1,661	258												
1,909	4,631	383	229	95	163	220	330	150	20	8	5	**1,220**	64%	1,040 - 1,530
461	1,020	92												
992	2,787	150	73	45	77	115	150	55	10	4	1	**530**	53%	440 - 670
1,337	2,964	308												
112	298	14												
248	653	71												
1,793	4,642	327	130	60	118	180	280	170	50	14	8	**1,010**	56%	800 - 1,250
284	607	58												
1,702	4,287	359	116	45	95	170	285	145	40	15	9	**920**	54%	700 - 1,140
451	1,402	89	28	14	30	40	55	20	5	2	1	**195**	43%	150 - 260
147	615	10	13	5	9	9	7	2	0	0	0	**45**	31%	30 - 70
558	1,577	163												
728	2,318	130	103	25	35	55	80	60	25	13	9	**405**	56%	300 - 520

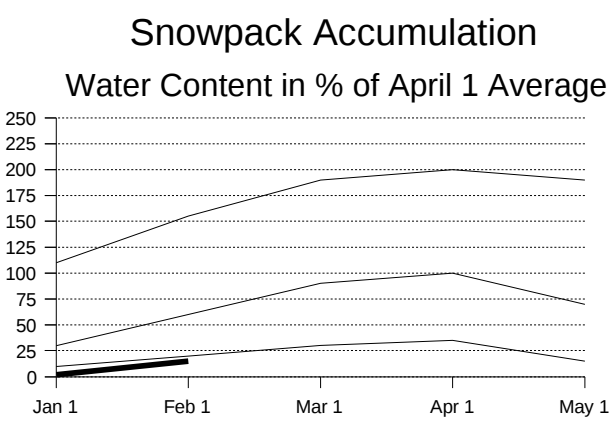
(9) Forecast point names based on USGS gage names. Stanislaus below Goodwin also known as inflow to New Melones, Tuolumne River below La Grange also known as inflow to Don Pedro, Merced River below Merced Falls also known as inflow to McClure.
(10) For the tributaries, the period of record over which 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, 2018 FORECASTS
APRIL-JULY UNIMPAIRED RUNOFF

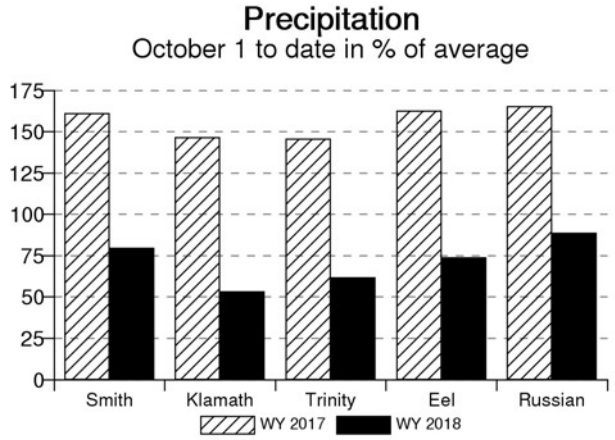
HYDROLOGIC REGION and Watershed	Apr-Jul Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL 50 Yr Avg (2)	Max of Record	Min of Record	FORECAST Apr-Jul Forecasts	Pct of Avg
NORTH COAST					
Scott River					
Scott River nr Ft Jones (3)	173	398	22	**65**	38%
Klamath River					
Total inflow to Upper Klamath Lake (4)	475	1,150	149	**275**	58%
NORTH LAHONTAN					
Truckee River					
Lake Tahoe to Farad accretions	250	713	48	**130**	52%
Lake Tahoe Rise (assuming gates closed, ft)	1.3	5.4	0.2	**0.9**	67%
Carson River					
West Fork Carson River at Woodfords	52	135	10	**35**	67%
East Fork Carson River near Gardnerville	182	480	43	**120**	66%
Walker River					
West Walker River below Little Walker, near Coleville	153	410	35	**95**	62%
East Walker River near Bridgeport	61	209	7	**34**	56%
SOUTH LAHONTAN					
Owens River					
Total tributary flow to Owens River (5)	231	579	84	**119**	51%

(1) See inside 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 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 1965-2015.

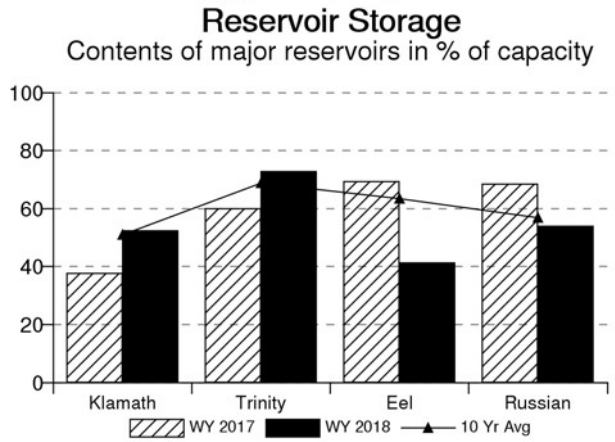
NORTH COAST REGION



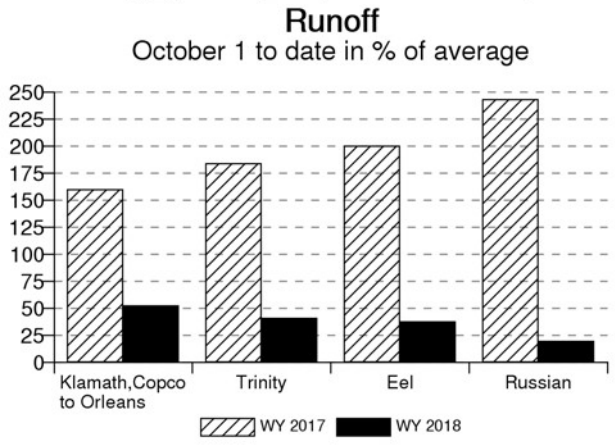
SNOWPACK- First of the month measurements made at 11 snow courses indicate an area wide snow water equivalent of less than 4.6 inches. This is 15 percent of the seasonal April 1 average and 25 percent of the February 1 average. Last year this time the pack was holding 23.8 inches of water.



PRECIPITATION- Seasonal precipitation (October 1 through to the end of January) on this area was 80 percent of normal. Precipitation last month was about average. Season precipitation at this time last year stood at 150 percent of normal.

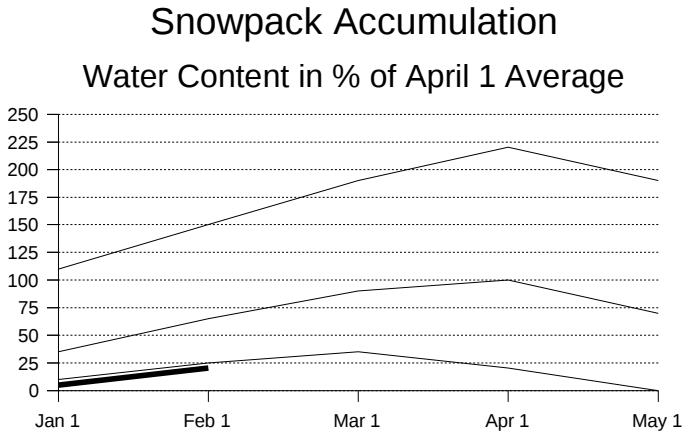


RESERVOIR STORAGE- First of the month storage at 6 reservoirs was 2.11 million acre-feet which is 100 percent of average. About 70 percent of available capacity was being used. Storage in these reservoirs at this time last year was 90 percent of average.

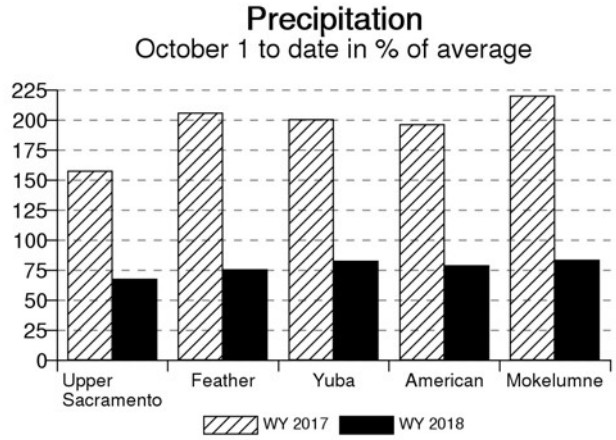


RUNOFF- Seasonal runoff of streams draining this area totaled 2.03 million acre-feet which is 40 percent of average. Last year, runoff for the same period was 190 percent of average.

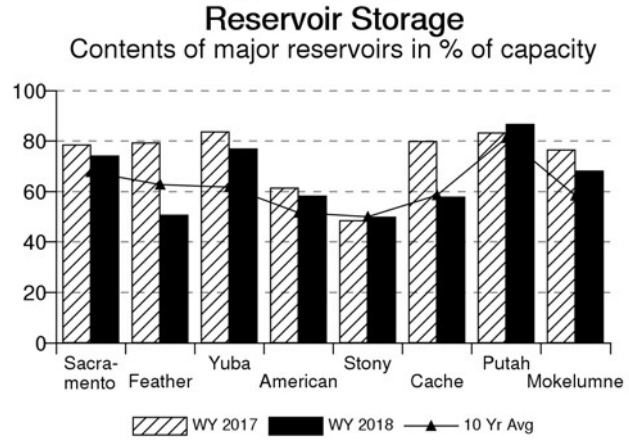
SACRAMENTO RIVER REGION



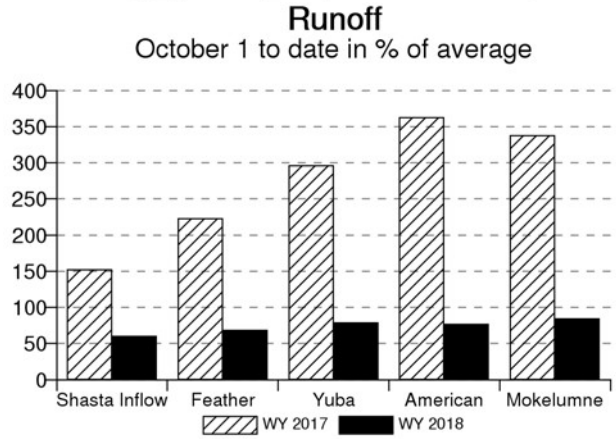
SNOWPACK- First of the month measurements made at 68 snow courses indicate an area wide snow water equivalent of 4.9 inches. This is 20 percent of the seasonal April 1 average and 30 percent of the February 1 average. Last year this time the pack was holding 28.2 inches of water.



PRECIPITATION- Seasonal precipitation (October 1 through to the end of January) on this area was 70 percent of normal. Precipitation last month was about 80 percent of the monthly average. Season precipitation at this time last year stood at 180 percent of normal.



RESERVOIR STORAGE- First of the month storage at 43 reservoirs was 10.49 million 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 120 percent of average.



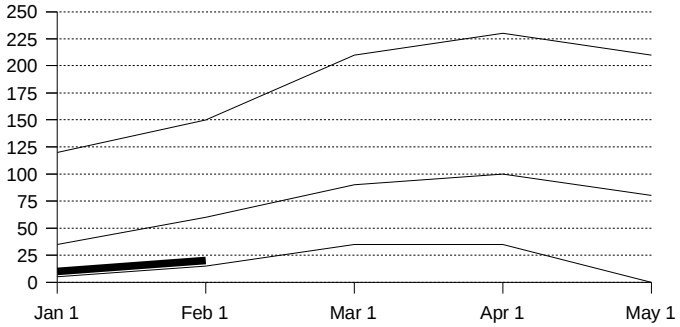
RUNOFF- Seasonal runoff of streams draining this area totaled 3.41 million acre-feet which is 60 percent of average. Last year, runoff for the same period was 220 percent of average.

The **Sacramento Region 40-30-30 Water Supply Index** is forecast to be 6.7 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

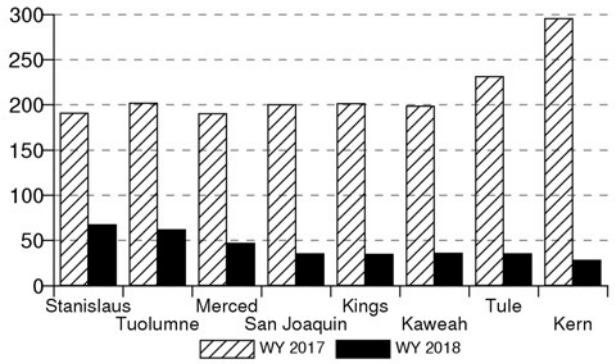
Snowpack Accumulation

Water Content in % of April 1 Average



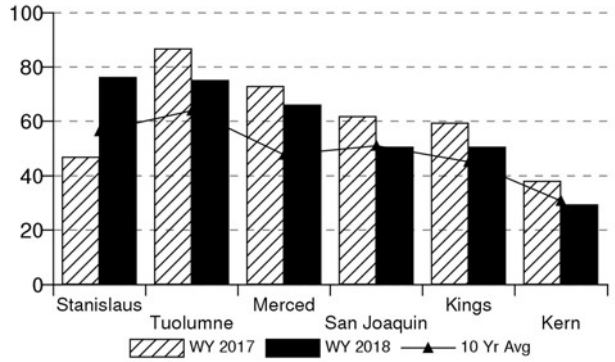
Precipitation

October 1 to date in % of average



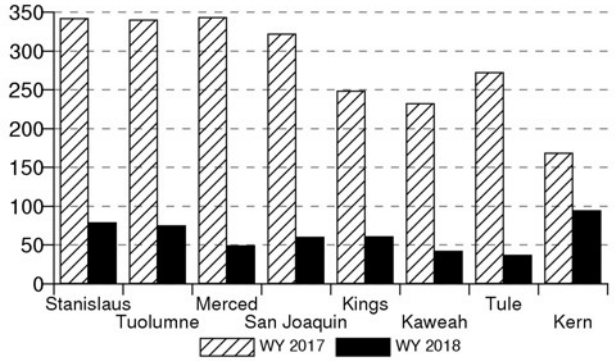
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



SNOWPACK - First of the month measurements made at 65 **San Joaquin Region** snow courses indicate an area wide snow water equivalent of 4.7 inches. This is 15 percent of the seasonal April 1 average and 20 percent of the February 1 average. Last year this time the pack was holding less than 37.2 inches of water. At the same time 41 **Tulare Lake** snow courses indicate a basin-wide snow water equivalent of 3.0 inches. This is 10 percent of the seasonal April 1 average and 20 percent of the February 1 average. Last year this time the pack was holding 33.1 inches of water.

PRECIPITATION - Seasonal precipitation (October 1 through to the end of January) on the **San Joaquin Region** was 60 percent of normal. Precipitation last month was about 80 percent of the monthly average. Season precipitation at this time last year stood at 200 percent of normal. Seasonal precipitation (October 1 through to the end of January) on the **Tulare Lake Region** was 35 percent of normal. Precipitation last month was about 55 percent of the monthly average. Season precipitation at this time last year stood at 225 percent of normal.

RESERVOIR STORAGE - First of the month storage in 34 **San Joaquin Region** reservoirs was 8.29 million acre-feet which is 120 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 809 thousand acre-feet which is 105 percent of average. About 40 percent of available capacity was being used. Storage in these reservoirs at this time last year was 135 percent of average.

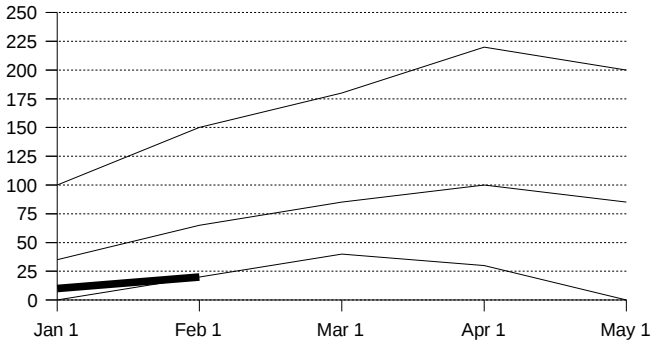
RUNOFF - Seasonal runoff of streams draining the **San Joaquin Region** totaled 735 thousand acre-feet which is 65 percent of average. Last year, runoff for the same period was 340 percent of average. Seasonal runoff of streams draining the **Tulare Lake Region** area totaled 259 thousand acre-feet which is 65 percent of average. Last year, runoff for the same period was 230 percent of average.

The **San Joaquin Region 60-20-20 Water Supply Index** is forecast to be 2.3 assuming 75 percent of median meteorological conditions. This classifies the year as "dry" in the San Joaquin according to the State Water Resources Control Board.

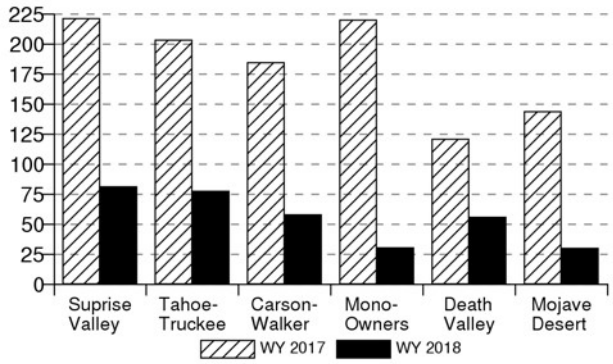
NORTH AND SOUTH LAHONTAN REGIONS

Snowpack Accumulation

Water Content in % of April 1 Average

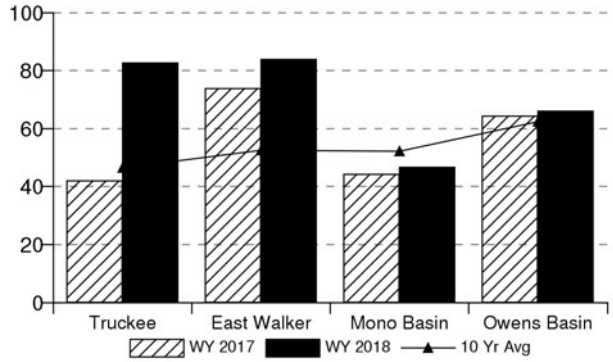


October 1 to date in % of average



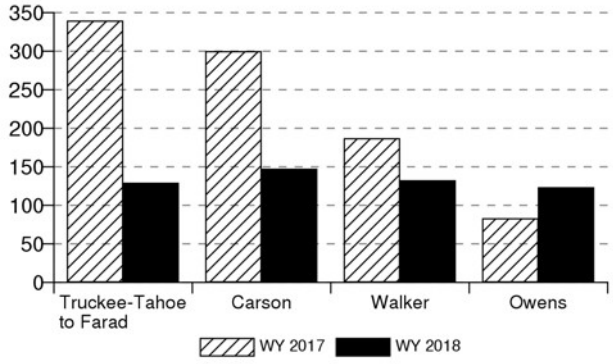
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



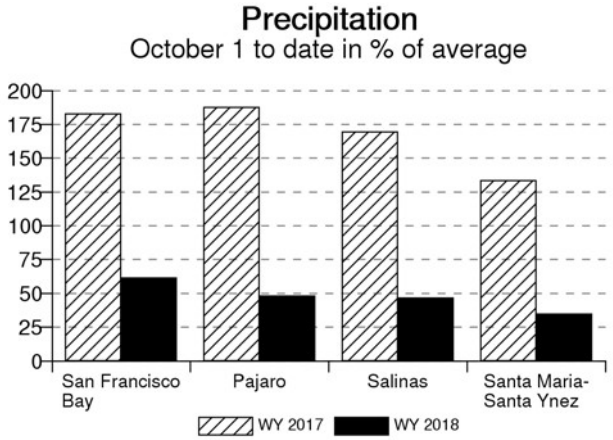
SNOWPACK- First of the month measurements made at 11 **North Lahontan Region** snow courses indicate an area wide snow water equivalent of 4.0 inches. This is 15 percent of the seasonal April 1 average and 25 percent of the February 1 average. Last year this time the pack was holding 25.4 inches of water. At the same time 17 **South Lahontan Region** snow courses indicate a basin-wide snow water equivalent of 5.1 inches. This is 20 percent of the seasonal April 1 average and 30 percent of the February 1 average. Last year this time the pack was holding 30.4 inches of water.

PRECIPITATION- Seasonal precipitation (October 1 through to the end of January) on the **North Lahontan Region** was 70 percent of normal. Precipitation last month was about 60 percent of the monthly average. Season precipitation at this time last year stood at 205 percent of normal. Seasonal precipitation (October 1 through to the end of January) on the **South Lahontan Region** was 40 percent of normal. Precipitation last month was about 95 percent of the monthly average. Season precipitation at this time last year stood at 160 percent of normal.

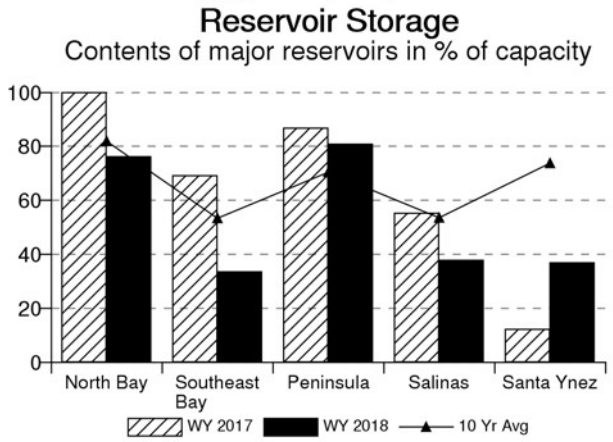
RESERVOIR STORAGE- First of the month storage in 5 **North Lahontan Region** reservoirs was 887 thousand acre-feet which is 175 percent of average. About 85 percent of available capacity was being used. Storage in these reservoirs at this time last year was 90 percent of average. First of the month storage in 8 **South Lahontan Region** reservoirs was 273 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 100 percent of average.

RUNOFF- Seasonal runoff of streams draining the **North Lahontan Region** totaled 195 thousand acre-feet which is 135 percent of average. Last year, runoff for the same period was 285 percent of average. Seasonal runoff of streams draining the **South Lahontan Region** area totaled 53 thousand acre-feet which is 120 percent of average. Last year, runoff for the same period was 80 percent of average.

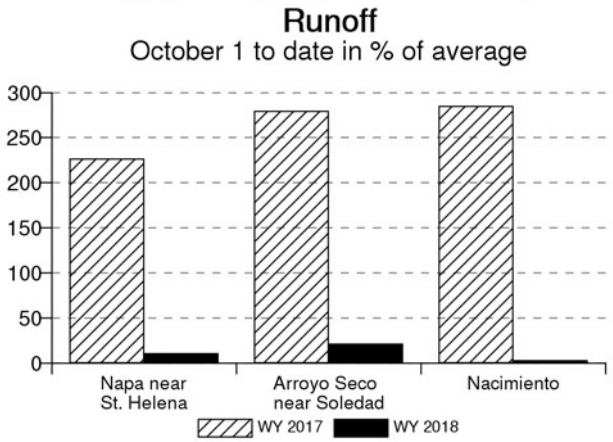
SAN FRANCISCO BAY AND CENTRAL COAST REGIONS



PRECIPITATION- Seasonal precipitation (October 1 through to the end of January) on the **San Francisco Bay Region** was 60 percent of normal. Precipitation last month was about 95 percent of the monthly average. Season precipitation at this time last year stood at 180 percent of normal. Seasonal precipitation (October 1 through to the end of January) on the **Central Coast Region** was 45 percent of normal. Precipitation last month was about 85 percent of the monthly average. Season precipitation at this time last year stood at 170 percent of normal.



RESERVOIR STORAGE- First of the month storage in 17 **San Francisco Region** reservoirs was 397 thousand acre-feet which is 85 percent of average. About 55 percent of available capacity was being used. Storage in these reservoirs at this time last year was 125 percent of average. First of the month storage in 4 **Central Coast Region** reservoirs was 386 thousand acre-feet which is 65 percent of average. About 40 percent of available capacity was being used. Storage in these reservoirs at this time last year was 75 percent of average.



RUNOFF- Seasonal runoff of streams draining the **San Francisco Region** totaled 3.4 thousand acre-feet which is 10 percent of average. Last year, runoff for the same period was 225 percent of average. Seasonal runoff of streams draining the **Central Coast Region** area totaled 11 thousand acre-feet million acre-feet which is 10 percent of average. Last year, runoff for the same period was 280 percent of average.

SOUTH COAST REGION

PRECIPITATION - October through January (seasonal) precipitation on the **South Coast Region** was 30 percent of normal. January precipitation was 80 percent of the monthly average. Seasonal precipitation at this time last year was 190 percent of normal. Seasonal precipitation on the **Colorado River-Desert Region** was 35 percent of normal. Last year seasonal precipitation on the **Colorado River-Desert Region** was 175 percent of normal. Precipitation in January was 95 percent of average.

RESERVOIR STORAGE - February 1 storage in 29 major **South Coast Region** reservoirs was 1.2 million acre-feet or 85 percent of average. About 55 percent of available capacity was being used. Storage in these reservoirs at this time last year was 90 percent of average. On February 1 combined storage in Lakes Powell, Mead, Mohave and Havasu was about 27.1 million acre-feet or about 70 percent of average. About 50 percent of available capacity was in use. Last year at this time, these reservoirs were storing 65 percent of average.

RUNOFF - Seasonal runoff from selected **South Coast Region** streams is 3 thousand acre feet which is 5 percent of average.

COLORADO RIVER

The April -July inflow to Lake Powell is forecast to be 3.4 million acre-feet, which is 47 percent of average. The February 1 snowpack in the Colorado River basin above Lake Powell was 65 percent of average, highest in the Upper Green at 105 percent and lowest in the Price/San Rafel at 40 percent.

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 2017 1,000 AF	2018 1,000 AF	PERCENT AVERAGE	PERCENT CAPACITY
STATE WATER PROJECT						
Lake Oroville	3,538	2,292	2,842	1,408	61%	40%
San Luis Reservoir (SWP)	1,062	840	1,026	762	91%	72%
Lake Del Valle	77	31	40	26	82%	34%
Lake Silverwood	78	66	68	67	102%	86%
Pyramid Lake	180	163	165	166	102%	92%
Castaic Lake	325	267	260	255	95%	78%
Perris Lake	131	102	50	70	69%	53%
CENTRAL VALLEY PROJECT						
Trinity Lake	2,448	1,685	1,461	1,776	105%	73%
Lake Shasta	4,552	3,034	3,546	3,349	110%	74%
Whiskeytown Lake	241	205	215	205	100%	85%
Folsom Lake	977	500	408	582	116%	60%
New Melones Reservoir	2,400	1,414	1,013	1,981	140%	83%
Millerton Lake	520	331	343	372	112%	71%
San Luis Reservoir (CVP)	971	733	674	973	133%	100%
COLORADO RIVER PROJECT						
Lake Mead	26,159	19,139	10,521	10,642	56%	41%
Lake Powell	24,322	16,985	11,359	13,672	80%	56%
Lake Mohave	1,810	1,674	1,712	1,641	98%	91%
Lake Havasu	648	551	567	539	98%	83%
EAST BAY MUNICIPAL UTILITY DISTRICT						
Pardee Res	204	179	204	182	102%	89%
Camanche Reservoir	417	246	271	316	128%	76%
East Bay (4 res.)	159	124	146	125	101%	78%
CITY AND COUNTY OF SAN FRANCISCO						
Hetch-Hetchy Reservoir	360	184	311	317	172%	88%
Cherry Lake	268	159	228	39	24%	14%
Lake Eleanor	29	11	17	10	93%	35%
South Bay/Peninsula (4 res.)	238	156	178	133	85%	56%
CITY OF LOS ANGELES (D.W.P.)						
Lake Crowley	183	122	123	125	102%	68%
Grant Lake	48	29	24	23	81%	49%
Other Aqueduct Storage (6 res.)	1	1	1	1	100%	100%

TELEMETERED SNOW WATER EQUIVALENTS

February 1, 2018

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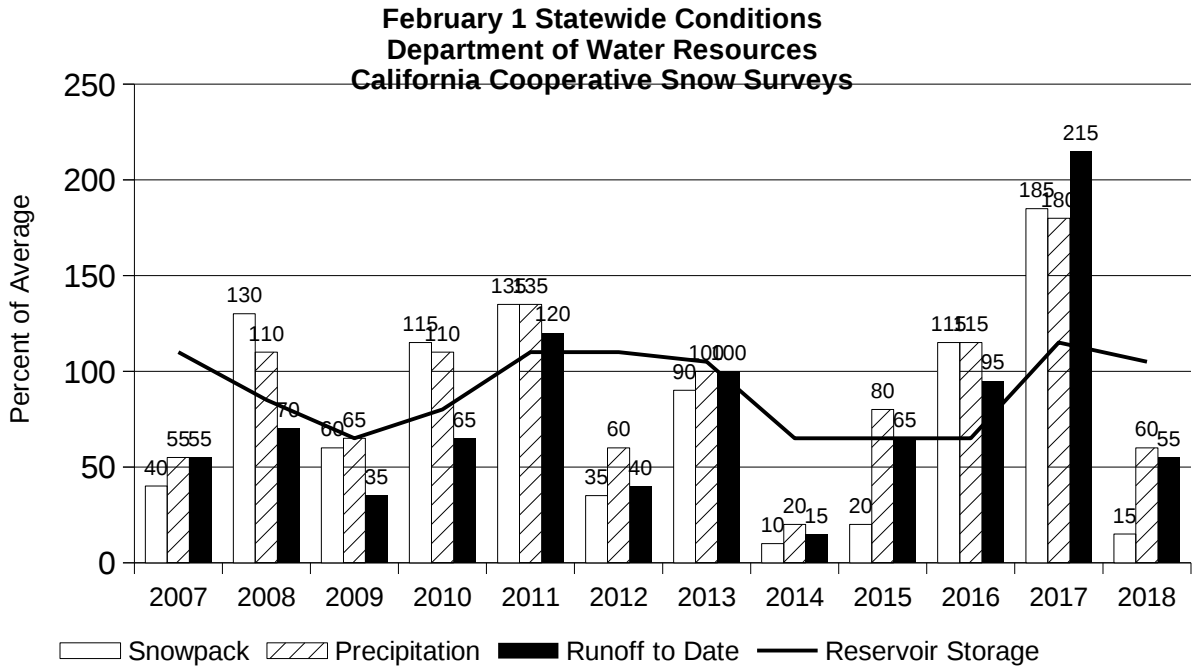
BASIN NAME / STATION NAME	ELEV	APRIL 1 AVERAGE	Feb 1	INCHES OF WATER EQUIVALENT PERCENT OF AVERAGE	24 HRS PREVIOUS	1 WEEK PREVIOUS
TRINITY RIVER						
Shimmy Lake	6400'	40.3	4.1	10.1	4.3	3.5
Crowder Flat	5100'	-	0.3	-	0.4	0.4
Highland Lakes	6030'	29.9	4.2	14.0	4.2	3.2
Mumbo Basin	5650'	22.4	0.8	3.4	0.8	0.5
Bonanza King	6450'	40.5	-	-	-	-
Red Rock Mountain	6700'	39.6	11.7	29.5	11.7	9.9
Big Flat	5100'	15.8	2.3	14.4	2.3	1.6
Scott Mountain	5900'	16.0	1.0	6.0	1.0	0.7
Peterson Flat	7150'	29.2	3.6	12.4	3.6	3.0
Middle Boulder 3	6200'	28.3	2.5	8.9	2.5	2.3
SACRAMENTO RIVER						
Blacks Mountain	7050'	12.7	1.1	8.5	1.2	1.0
Cedar Pass	7100'	18.1	5.8	32.0	5.7	5.3
Medicine Lake	6700'	32.6	9.4	28.7	9.5	9.2
Sand Flat	6750'	42.4	4.8	11.3	4.8	4.1
Slate Creek	5700'	29.0	3.0	10.3	3.1	2.0
Adin Mountain	6200'	13.6	2.7	19.9	2.8	2.4
Stouts Meadow	5400'	36.0	3.6	10.0	3.6	2.2
Snow Mountain	5950'	27.0	5.5	20.4	5.5	3.6
FEATHER RIVER						
Kettle Rock	7300'	25.5	5.2	20.3	5.2	4.2
Gold Lake	6750'	36.5	7.7	21.0	7.7	7.4
Bucks Lake	5750'	44.7	3.8	8.6	3.8	2.6
Harkness Flat	6200'	28.5	4.1	14.4	4.2	3.6
Four Trees	5150'	20.0	4.3	21.6	4.6	3.1
Humbug	6500'	28.0	-	-	-	-
Grizzly Ridge	6900'	29.7	3.0	10.1	3.0	2.6
Rattlesnake	6100'	14.0	3.0	21.4	3.1	2.6
Lower Lassen Peak	8250'	-	20.3	-	20.8	22.3
Pilot Peak	6800'	52.6	3.0	5.6	3.0	2.5
EEL RIVER						
Noel Spring	5100'	-	1.0	-	1.0	0.8
YUBA & AMERICAN RIVERS						
Carson Pass	8353'	-	10.5	-	10.4	9.9
Lake Lois	8600'	39.5	-	-	-	-
Forni Ridge	7600'	37.0	-	-	-	-
Silver Lake	7100'	22.7	-	-	-	-
Blue Canyon	5280'	9.0	-	-	-	-
Schneiders	8750'	34.5	16.8	48.8	16.7	15.0
Meadow Lake	7200'	55.5	-	-	-	-
Robbs Powerhouse	5150'	5.2	1.8	35.0	1.9	1.4
Robinson Cow Camp	6480'	-	5.0	-	5.0	3.9
Cent Sierra Snow Lab	6900'	33.6	5.0	14.9	4.9	3.2
Caples Lake	8000'	30.9	4.8	15.5	4.7	5.0
Alpha	7600'	35.9	3.2	8.8	3.1	1.9
Robbs Saddle	5900'	21.4	2.3	10.9	2.4	1.4
Huysink	6600'	42.6	3.0	7.0	3.0	2.2
Van Vleck	6700'	35.9	4.5	12.5	4.5	3.8
Greek Store	5600'	21.0	3.2	15.4	3.2	2.0
MOKELUMNE & STANISLAUS RIVERS						
Highland Meadow	8700'	47.9	14.9	31.0	14.7	13.8
Gianelli Meadow	8400'	55.5	6.6	11.9	6.8	6.1
Bloods Creek	7200'	35.5	1.9	5.3	1.9	1.8
Blue Lakes	8000'	33.1	6.7	20.1	6.7	6.4
Mud Lake	7900'	44.9	-	-	-	-
Black Springs	6500'	32.0	1.8	5.6	1.8	1.4
Stanislaus Meadow	7750'	47.5	8.6	18.1	8.7	7.9
Deadman Creek	9250'	37.2	9.0	24.2	9.0	8.6
Lower Relief Valley	8100'	41.2	6.3	15.2	6.6	7.1
TUOLUMNE & MERCED RIVERS						
Dana Meadows	9800'	27.7	8.4	30.4	8.5	8.4
Horse Meadow	8400'	48.6	19.7	40.6	19.9	18.1
Tuolumne Meadows	8600'	22.6	6.9	30.5	6.9	7.1
Slide Canyon	9200'	41.1	14.1	34.4	14.1	13.7
Ostrander Lake	8200'	34.8	5.1	14.7	5.0	5.3
Gin Flat	7050'	34.2	1.5	4.4	1.5	1.2
Tenaya Lake	8150'	33.1	6.7	20.4	6.9	6.4
White Wolf	7900'	-	4.1	-	4.2	3.4
Lower Kibbie Ridge	6700'	27.4	0.2	0.6	0.4	1.0
Paradise Meadow	7650'	41.3	7.9	19.1	8.0	7.3

SAN JOAQUIN RIVER						
Volcanic Knob	10050'	30.1	6.1	20.3	6.1	5.8
Tamarack Summit	7550'	30.5	1.2	3.9	1.3	0.4
Kaiser Point	9200'	37.8	9.0	23.8	9.0	8.9
Huntington Lake	7000'	20.1	1.2	6.0	1.2	0.8
Green Mountain	7900'	30.8	3.6	11.7	3.8	3.6
Poison Ridge	6900'	28.9	1.0	3.3	1.1	1.1
Graveyard Meadow	6900'	18.8	0.5	2.6	1.0	0.4
Agnew Pass	9450'	32.3	9.0	27.7	9.2	9.4
Devils Postpile	7569'	-	0.0	-	0.0	0.6
Chilkoot Meadow	7150'	38.0	1.2	3.2	1.1	1.0
KINGS RIVER						
Bishop Pass	11200'	34.0	3.5	10.3	3.5	3.3
Blackcap Basin	10300'	34.3	-	-	-	-
Mitchell Meadow	9900'	32.9	9.8	29.7	9.8	9.0
Upper Burnt Corral	9700'	34.6	6.1	17.7	6.3	6.1
State Lakes	10300'	29.0	5.7	19.7	5.9	5.8
West Woodchuck Meadow	9100'	32.8	2.3	7.1	2.5	0.9
Big Meadows	7600'	25.9	-	-	-	-
Charlotte Lake	10400'	27.5	1.2	4.3	1.2	1.3
KAWEAH & TULE RIVERS						
Farewell Gap	9500'	34.5	-	-	-	-
Giant Forest	6650'	10.0	0.5	5.4	0.6	0.5
Quaking Aspen	7200'	21.0	2.9	13.9	2.9	1.7
KERN RIVER						
Tunnel Guard Station	8900'	15.6	-	-	-	-
Beach Meadows	7650'	11.0	0.0	0.0	0.0	0.2
Upper Tyndall Creek	11400'	27.7	2.8	10.2	2.8	2.8
Casa Vieja Meadows	8300'	20.9	3.0	14.3	3.3	2.0
Pascoes	9150'	24.9	1.7	6.7	1.7	1.6
Wet Meadows	8950'	30.3	2.7	8.9	2.8	-
Chagoopa Plateau	10300'	21.8	6.7	30.8	6.7	7.5
Crabtree Meadow	10700'	19.8	-	-	-	-
SURPRISE VALLEY AREA						
Dismal Swamp	7050'	29.2	10.1	34.6	10.0	8.5
TRUCKEE RIVER						
Independence Camp	7000'	21.8	3.6	16.5	3.6	3.1
Independence Lake	8450'	41.4	10.1	24.4	10.1	9.6
Squaw Valley Gold Coast	8200'	46.5	-	-	18.7	13.4
Truckee 2	6400'	14.3	2.2	15.4	2.2	1.8
Independence Creek	6500'	12.7	1.3	10.2	1.3	0.2
Big Meadows	8700'	25.7	9.6	37.4	9.4	8.6
LAKE TAHOE BASIN						
Rubicon Peak 2	7500'	29.1	2.2	7.6	2.2	2.0
Tahoe City Cross	6750'	16.0	1.4	8.8	1.6	1.4
Echo Peak 5	7800'	39.5	9.4	23.8	9.2	8.7
Hagans Meadow	8000'	16.5	1.3	7.9	1.3	1.2
Fallen Leaf Lake	6250'	7.0	1.0	14.3	0.9	0.8
Ward Creek 3	6750'	39.4	7.5	19.0	7.5	7.3
Mount Rose Ski Area	8900'	38.5	16.0	41.6	16.0	15.5
Heavenly Valley	8800'	28.1	10.4	37.0	10.4	9.9
Marlette Lake	8000'	21.1	3.3	15.6	2.9	4.0
CARSON RIVER						
Spratt Creek	6150'	4.5	0.5	11.1	0.8	0.8
Horse Meadow	8400'	48.6	19.7	40.6	19.9	18.1
Burnside Lake	8129'	-	7.0	-	7.0	6.1
Monitor Pass	8350'	-	4.0	-	4.0	3.9
Poison Flat	7900'	16.2	2.5	15.4	2.5	2.7
Forestdale Creek	8017'	-	10.9	-	10.6	8.8
Ebbetts Pass	8700'	38.8	-	-	-	7.8
WALKER RIVER						
Sonora Pass Bridge	8750'	26.0	3.5	13.5	3.5	3.2
Virginia Lakes Ridge	9300'	20.3	4.1	20.2	4.0	3.6
Lobdell Lake	9200'	17.3	4.8	27.7	5.0	4.8
Summit Meadow	9313'	-	5.5	-	5.5	5.4
Leavitt Meadows	7200'	8.0	0.0	0.0	0.1	0.5
Leavitt Lake	9600'	-	18.9	-	18.9	18.6
OWENS RIVER/MONO LAKE						
Cottonwood Lakes	10150'	11.6	4.6	39.5	4.7	3.5
Gem Pass	10750'	31.7	7.1	22.4	7.1	7.2
Rock Creek Lakes	9700'	14.0	1.3	9.0	1.2	1.0
South Lake	9600'	16.0	3.1	19.5	3.0	3.0
Big Pine Creek	9800'	17.9	2.3	13.1	2.4	2.2
Sawmill	10200'	19.4	3.6	18.4	3.7	3.4

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%



SNOWLINES

Registration is now open for the **86th annual Western Snow Conference** to be held in Albuquerque, NM April 16-19, 2018. We expect to have a full agenda of informative and interesting presentations related to snow hydrology, meteorological measurement techniques, and water resource management.

Meeting Information:

http://www.westernsnowconference.org/meetings/2018

The Conference will begin Monday, April 16th with a short course “Communicating Complex Environmental Information to Broad Audiences”. Tuesday and Wednesday will include formal paper and poster presentations on a variety of topics, including climate variability, climate change impacts on snow and runoff, water management, water supply forecasting, and modeling and climatology of snow. Thursday will include a technical tour of the nearby Rio Grande Valley.

Depicted on this month's cover is a view from the Tioga Road bridge looking out at Tuolumne Meadows taken on June 6, 2017.