Summary of Water Conditions
March 1, 2015

This water year has been better than last year, but not enough to end the drought. About one quarter of the rainy season is left and hopes for even an average runoff year are slim. The snowpack for this date is the lowest of record exceeding previous lows in 1977 and 1991 on March 1 and had actually decreased in February Statewide precipitation thus far has been about 80 percent of average for the date. Precipitation in February was about 85 percent of average, mostly from a double barreled atmospheric river event during the first weekend of the month. The north fared better than the south. Reservoir storage increased quite a bit more than average during the month, again mostly in the northern third of the state. Reservoirs on the east side of the San Joaquin Valley are holding much less than last year. Runoff so far this season has been about 75 percent of average, ranging from 140 percent on the upper Trinity River to 20 percent on the Merced River.

Forecasts of median April through July and water year runoff are 35 and 50 percent respectively. .

Snowpack water content is a dismal 15 percent for the date and only about 10 percent of the April 1 average, normally the time of maximum accumulation. Last year the pack stood at 20 percent on this date.

Precipitation from October through February is about 80 percent of average compared to a very poor 45 percent last year. The range is from almost normal in the coastal north to about 60 percent in the San Joaquin –Tulare basins.

Runoff to date has been about 75 percent of average, from 85 percent on the North Coast to 30 percent in Tulare Lake region. Last year we had only 20 percent statewide. Estimated runoff of the eight major rivers of the Sacramento-San Joaquin River region in February was 2.23 million acre-feet.

Reservoir storage is about 70 percent of average compared to 65 percent a year ago. In 1991 storage stood at 48 percent of the current average and in 1977 it was 52 percent.

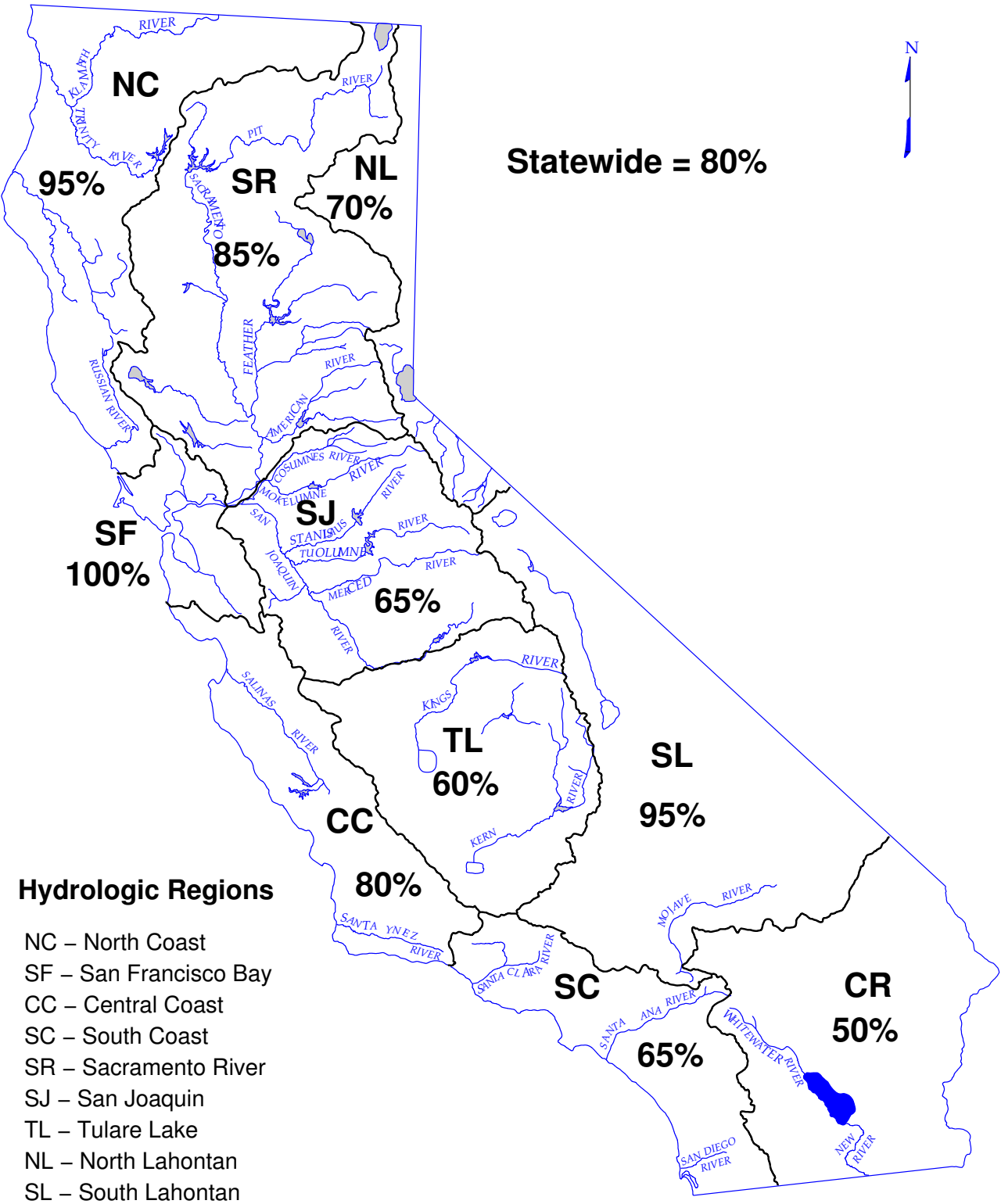
SUMMARY OF WATER CONDITIONS
IN PERCENT OF AVERAGE

HYDROLOGIC REGION	PRECIPITATION OCTOBER 1 TO DATE	MARCH 1 SNOW WATER CONTENT	MARCH 1 RESERVOIR STORAGE	RUNOFF OCTOBER 1 TO DATE	APR-JULY RUNOFF FORECAST	WATER YEAR RUNOFF FORECAST
NORTH COAST	95	15	70	85	35	75
SAN FRANCISCO BAY	100	--	90	75	--	--
CENTRAL COAST	80	--	30	40	--	--
SOUTH COAST	65	--	60	30	--	--
SACRAMENTO RIVER	85	10	85	75	45	60
SAN JOAQUIN RIVER	65	15	65	40	30	35
TULARE LAKE	60	20	40	30	25	30
NORTH LAHONTAN	70	20	15	60	30	40
SOUTH LAHONTAN	95	20	85	65	30	40
COLORADO RIVER-DESERT	50	--	--	--	--	--
STATEWIDE	80	15	70	75	35	50

DEPARTMENT OF WATER RESOURCES
CALIFORNIA COOPERATIVE SNOW SURVEYS
SEASONAL PRECIPITATION

IN PERCENT OF AVERAGE TO DATE

October 1, 2014 through February 28, 2015

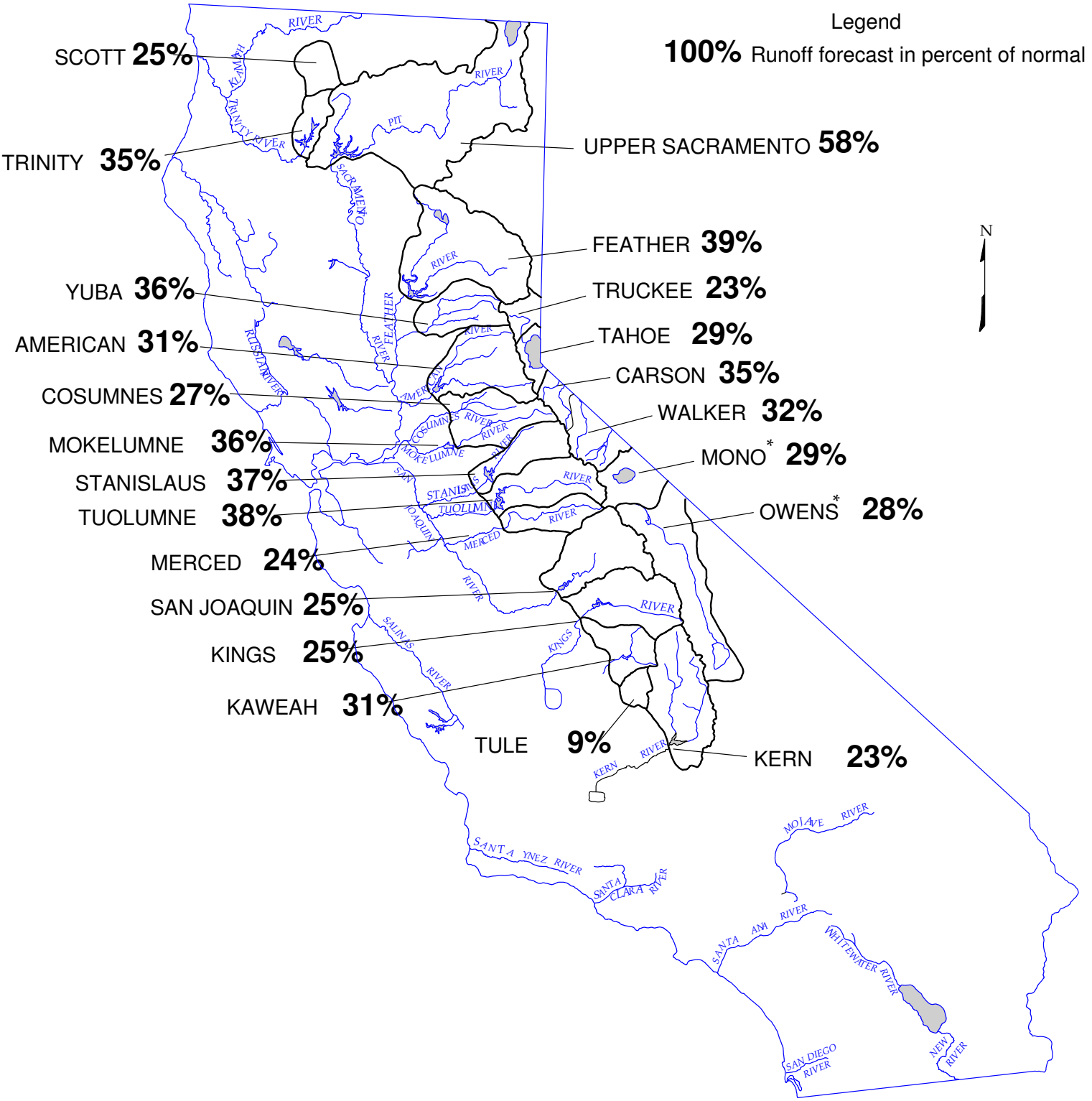


Hydrologic Regions

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
March 1, 2015



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

MARCH 1, 2015 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	Min of Record	FORECAST Apr-Jul Forecasts	Pct of Avg	80 % Probability Range (1)
North Coast						
Trinity River at Lewiston Lake	651	1,593	80	**230**	35%	80 - 540
SACRAMENTO RIVER						
Upper Sacramento River						
Sacramento River at Delta above Shasta Lake	302	751	39	120	40%	
McCloud River above Shasta Lake	392	850	185	240	61%	
Pit River near Montgomery Creek + Squaw Creek	1,046	2,098	480	640	61%	
Total Inflow to Shasta Lake	1,806	3,525	726	**1,050**	58%	670 - 1,850
Sacramento River above Bend Bridge, near Red Bluff	2,485	5,117	943	**1,450**	58%	870 - 2,680
Feather River						
Feather River at Lake Almanor near Prattville (3)	333	675	120	130	39%	
North Fork at Pulga (3)	1,028	2,416	243	400	39%	
Middle Fork near Clio (4)	86	518	4	30	35%	
South Fork at Ponderosa Dam (3)	110	267	13	40	36%	
Feather River at Oroville	1,758	4,676	392	**680**	39%	350 - 1,720
Yuba River						
North Yuba below Goodyears Bar	279	647	51	100	36%	
Inflow to Jackson Mdws and Bowman Reservoirs (3)	112	236	25	45	40%	
South Yuba at Langs Crossing (3)	233	481	57	90	39%	
Yuba River near Smartsville plus Deer Creek	996	2,424	200	**360**	36%	160 - 910
American River						
North Fork at North Fork Dam (3)	262	716	43	70	27%	
Middle Fork near Auburn (3)	522	1,406	100	150	29%	
Silver Creek Below Camino Diversion Dam (3)	173	386	37	50	29%	
American River below Folsom Lake	1,231	3,074	229	**380**	31%	190 - 1,080
SAN JOAQUIN RIVER						
Cosumnes River at Michigan Bar	128	446	8	**35**	27%	6 - 125
Mokelumne River						
North Fork near West Point (5)	437	829	104	160	37%	
Total Inflow to Pardee Reservoir	468	1,076	102	**170**	36%	80 - 380
Stanislaus River						
Middle Fork below Beardsley Dam (3)	334	702	64	120	36%	
North Fork Inflow to McKays Point Dam (3)	224	503	34	80	36%	
Stanislaus River below Goodwin Reservoir (9)	699	1,710	116	**260**	37%	95 - 590
Tuolumne River						
Cherry Creek & Eleanor Creek near Hetch Hetchy	315	727	97	130	41%	
Tuolumme River near Hetch Hetchy	604	1,392	153	260	43%	
Tuolumne River below La Grange Reservoir (9)	1,221	2,682	301	**460**	38%	250 - 950
Merced River						
Merced River at Pohono Bridge	372	888	80	100	27%	
Merced River below Merced Falls (9)	636	1,587	123	**155**	24%	95 - 480
San Joaquin River						
San Joaquin River at Mammoth Pool (7)	1,026	2,279	235	280	27%	
Big Creek below Huntington Lake (8)	91	264	11	25	27%	
South Fork near Florence Lake (7)	201	511	58	60	30%	
San Joaquin River inflow to Millerton Lake	1,258	3,355	262	**320**	25%	220 - 850
TULARE LAKE						
Kings River						
North Fork Kings River near Cliff Camp (3)	239	565	50	60	25%	
Kings River below Pine Flat Reservoir	1,236	3,113	274	**310**	25%	220 - 860
Kaweah River below Terminus Reservoir	290	814	62	**90**	31%	52 - 200
Tule River below Lake Success	64	259	2	**6**	9%	2 - 53
Kern River						
Kern River near Kernville	384	1,203	83	100	26%	
Kern River inflow to Lake Isabella	465	1,657	84	**105**	23%	70 - 365

(1) See inside back cover for definition
(2) All 50 year averages are based on years 1961-2010 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

MARCH 1, 2015 FORECASTS
WATER YEAR UNIMPAIRED RUNOFF

Unimpaired Runoff in 1,000 Acre-Feet (1)															
HISTORICAL			DISTRIBUTION									FORECAST			
50 Yr Avg (2)	Max of Record	Min of Record	Oct Thru Jan	Feb *	Mar	Apr	May	Jun	Jul	Aug	Sep	Water Year Forecasts	Pct of Avg	80 % Probability Range (1)	
1376	2990	200	418	294	110	95	95	30	10	3	0	**1,055**	77%	830 -	1,520
876	1,965	165													
1,200	2,353	557													
3,082	5,150	1,484													
5,979	10,796	2,479	1,621	720	560	350	300	215	185	170	159	**4,280**	72%	3,565 -	5,760
8,727	17,180	3,294	2,652	1,068	800	510	405	300	235	200	200	**6,370**	73%	5,230 -	8,370
780	1,269	366													
2,417	4,400	666													
219	637	24													
291	562	32													
4,523	9,492	994	916	442	370	270	210	115	85	67	60	**2,535**	56%	1,925 -	3,975
564	1,056	102													
181	292	30													
379	565	98													
2,329	4,926	369	398	204	190	165	135	45	15	9	9	**1,170**	50%	830 -	1,855
616	1,234	66													
1,070	2,575	144													
318	705	59													
2,683	6,382	349	332	242	200	180	150	45	5	0	1	**1,155**	43%	830 -	2,080
385	1,253	20	22	38	30	20	10	4	1	0	0	**125**	33%	70 -	295
626	1,009	197													
763	1,848	129	43	65	51	70	80	18	2	1	0	**330**	43%	210 -	610
471	929	88													
1,167	2,952	155	64	92	81	105	110	40	5	2	1	**500**	43%	280 -	900
461	1,147	123													
770	1,661	258													
1,943	4,631	383	106	114	130	160	205	80	15	4	1	**815**	42%	540 -	1,390
461	1,020	92													
1,007	2,787	150	22	25	53	55	75	20	5	0	0	**255**	25%	170 -	650
1,337	2,964	308													
112	298	14													
248	653	71													
1,831	4,642	362	47	43	79	95	140	65	20	11	5	**505**	28%	370 -	1,100
284	607	58													
1,729	4,287	386	49	46	70	95	135	60	20	9	6	**490**	28%	370 -	1,200
456	1,402	94	15	17	25	30	40	16	4	2	1	**150**	33%	100 -	300
147	615	16	4	3	5	3	2	1	0	0	0	**18**	12%	10 -	105
558	1,577	163													
733	2,318	175	36	14	25	30	40	25	10	8	7	**195**	27%	140 -	560

(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) Coordinated Forecast by National Weather Service California-Nevada River Forecast Center and Department of Water Resources, State of California
* Unimpaired runoff in months prior to forecast date are based on measured flows

MARCH 1, 2015 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	Min of Record	Apr-Jul Forecasts	Pct of Avg
NORTH COAST					
Scott River					
Scott River nr Ft Jones (3)	173	398	22	**44**	25%
Klamath River					
Total inflow to Upper Klamath Lake (4)	475	1,151	149	**345**	73%
NORTH LAHONTAN					
Truckee River					
Lake Tahoe to Farad accretions	256	713	52	**60**	23%
Lake Tahoe Rise (assuming gates closed, ft)	1.4	5.4	0.2	**0.4**	29%
Carson River					
West Fork Carson River at Woodfords	53	135	12	**15**	28%
East Fork Carson River near Gardnerville	186	407	43	**78**	42%
Walker River					
West Walker River below Little Walker, near Coleville	155	330	35	**60**	39%
East Walker River near Bridgeport	63	209	7	**9**	14%
SOUTH LAHONTAN					
Owens River					
Total tributary flow to Owens River (5)	235	579	96	**55**	23%

(1) See inside back cover for definition
(2) All 50 year averages are based on years 1961-2010 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
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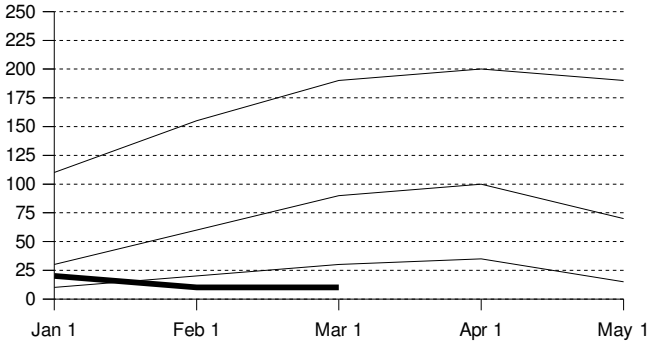
NORTH COAST REGION

Snowpack Accumulation

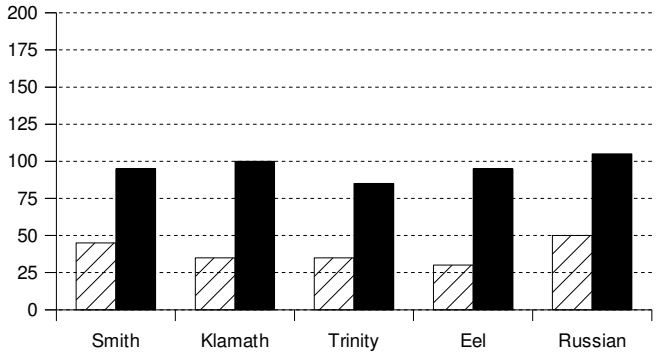
Water Content in % of April 1 Average



SNOWPACK- First off the month measurements made at 11 snow courses indicate an area wide snow water equivalent of 4.4 inches. This is 15 percent of the March 1 average and 10 percent of the seasonal (April 1) average. Last year at this time the pack was holding 4.4 inches of water.

Precipitation

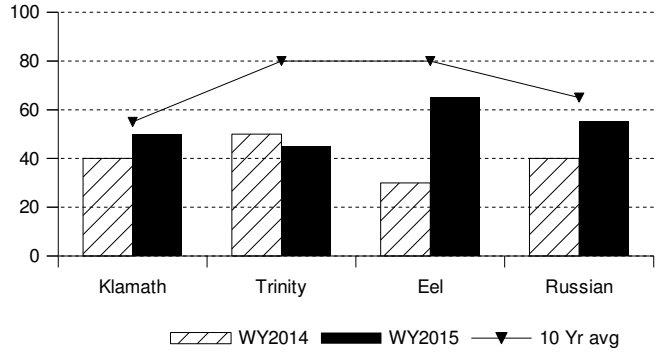
October 1 to date in % of Average



PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on this area was 95 percent of normal. Precipitation last month was about 130 percent of the monthly average. Seasonal precipitation at this time last year stood at 40 percent of normal.

Reservoir Storage

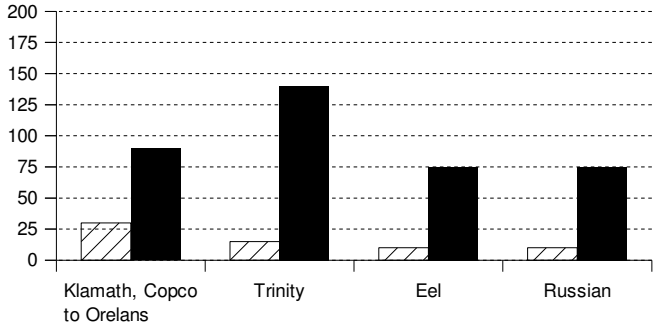
Contents of major reservoirs in % of capacity



RESERVOIR STORAGE- First of the month storage in 6 reservoirs was 1.5 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 65 percent of average.

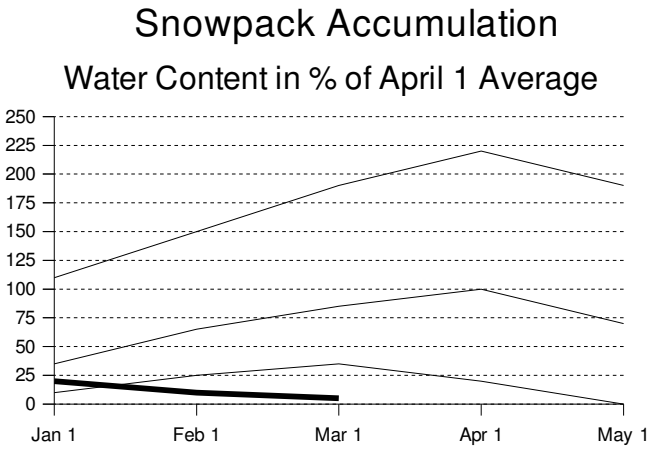
Runoff

October 1 to date in % of average

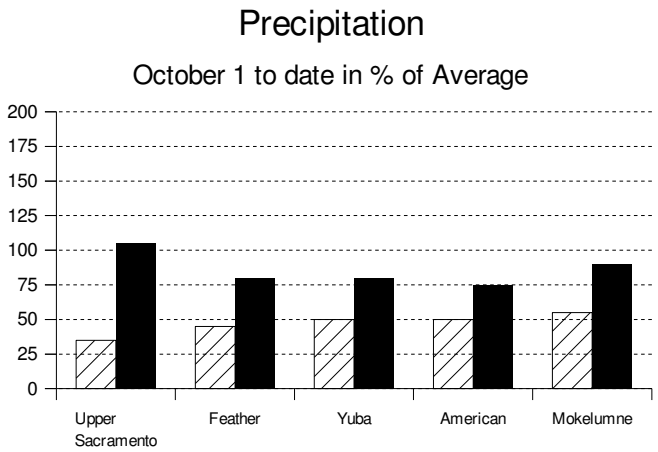


RUNOFF -Seasonal runoff of streams draining the area totaled 6.1 million acre-feet which is 85 percent of the average for this period. Last year, runoff for the same period was 15 percent of average.

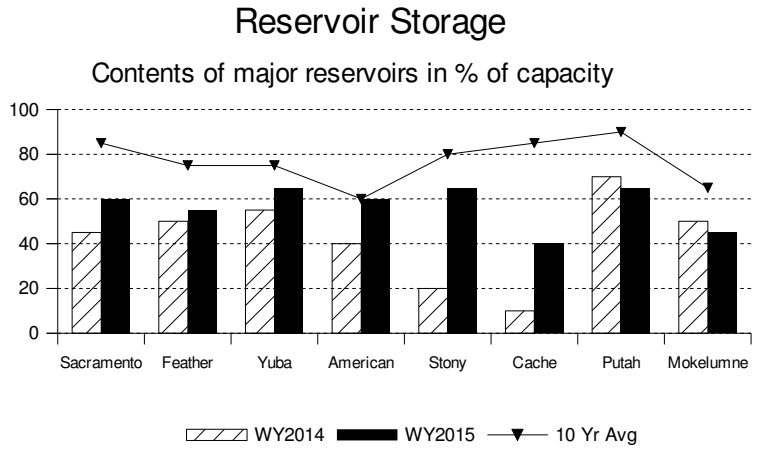
SACRAMENTO RIVER REGION



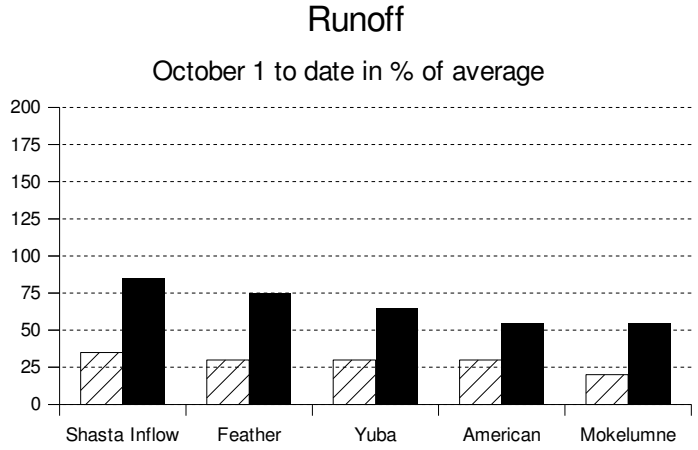
SNOWPACK- First of the month measurements made at 68 snow courses indicate an area wide snow water equivalent of 3.2 inches. This is 10 percent of the March 1 average and 5 percent of the seasonal (April 1) average. Last year at this time the pack was holding 4.9 inches of water.



PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on this area was 85 percent of normal. Precipitation last month was about 95 percent of the monthly average. Seasonal precipitation at this time last year stood at 45 percent of normal.



RESERVOIR STORAGE- First of the month storage in 43 reservoirs was 9.4 million acre-feet which is 85 percent of average. About 60 percent of available capacity was being used. Storage in these reservoirs at this time last year was 65 percent of average.



RUNOFF - Seasonal runoff of streams draining the area totaled 6.3 million acre-feet which is 75 percent of average for this period. Last year, runoff for the same period was 30 percent of average.

The **Sacramento Region 40-30-30 Water Supply Index** is forecast to be 4.7 assuming median meteorological conditions for the remainder of the year. This classifies the year as "critical" in the Sacramento Valley according to the State Water Resources Control Board.

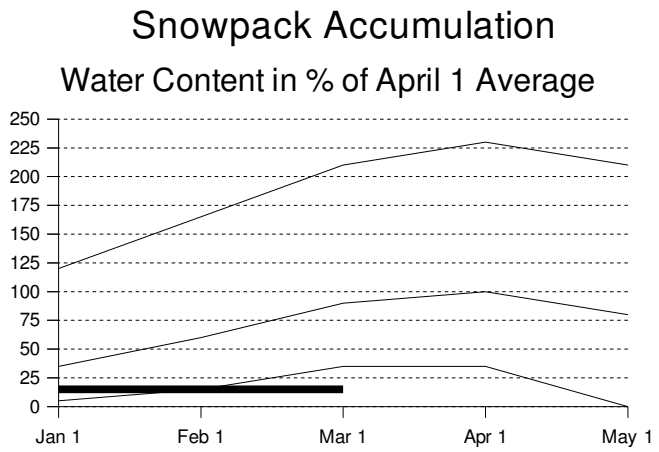
SAN JOAQUIN RIVER AND TULARE LAKE REGIONS

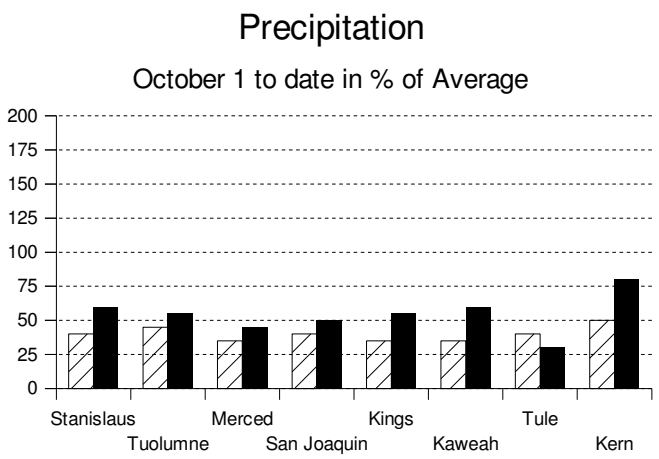
SNOWPACK- First of the month measurements made at 63 **San Joaquin Region** snow courses indicate an area wide snow water equivalent of 4.9 inches. This is 15 percent of the March 1 average and 15 percent of seasonal (April 1) average. Last year at this time the pack was holding 8.8 inches of water. At the same time 39 **Tulare Lake Region** snow courses indicated a basin-wide snow water equivalent of 4.1 inches which is 20 percent of the average for March 1 and 15 percent of the seasonal average. Last year at this time the basin was holding 5.3 inches of water.

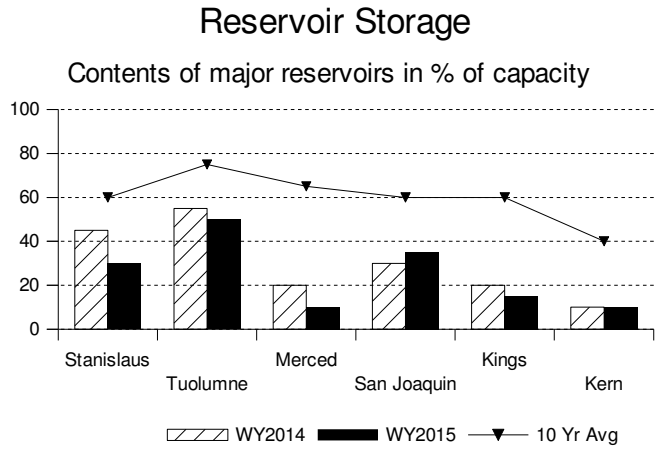
PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **San Joaquin Region** was 65 percent of normal. Precipitation last month was about 70 percent of the monthly average. Seasonal precipitation at this time last year stood at 40 percent of normal. Seasonal precipitation on the **Tulare Lake Region** was 60 percent of normal. Precipitation last month was about 65 percent of the monthly average. Seasonal precipitation at this time last year stood at 40 percent of normal.

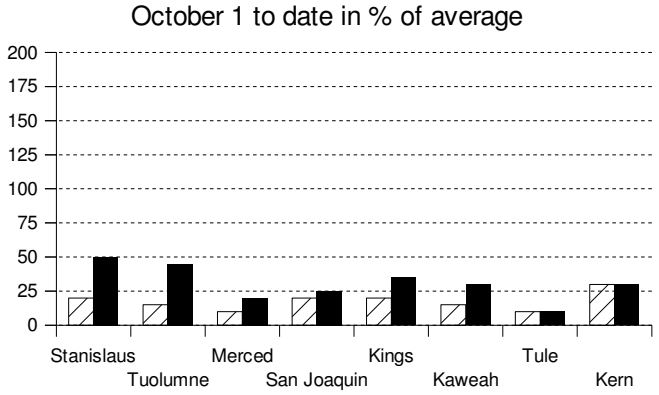
RESERVOIR STORAGE- First of the month storage in 34 **San Joaquin Region** reservoirs was 4.6 million acre-feet which is 65 percent of average. About 40 percent of available capacity was being used. Storage at this time last year was 65 percent of average. First of the month storage in 6 **Tulare Lake Region** reservoirs was 334 thousand acre-feet which is 40 percent of average and about 15 percent of available capacity. Storage at this time last year was 45 percent of average.

RUNOFF- Seasonal runoff of streams draining the **San Joaquin Region** totaled 680 thousand acre-feet which is 40 percent of average for this period. Last year, runoff for the same period was 15 percent of average. Seasonal runoff of streams draining the **Tulare Lake Basin** totaled 183 thousand acre-feet which is 30 percent of average for this period. Last year runoff for this same period was 20 percent of average. The **San Joaquin Region 60-20-20 Water Supply Index** is forecast to be 0.9 assuming 75 percent meteorological conditions. This classifies the year as "critical" in the San Joaquin Region according to the State Water Resources Control Board.



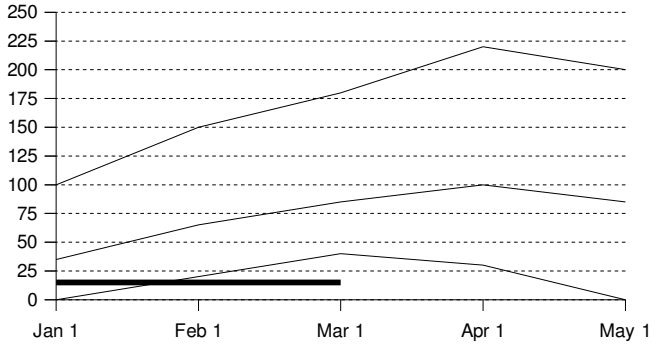






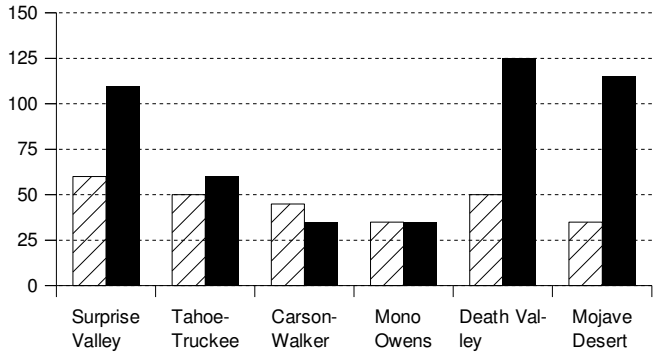
Snowpack Accumulation

Water Content in % of April 1 Average



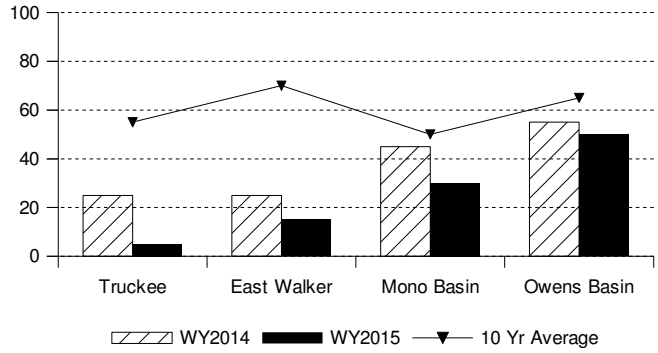
Precipitation

October 1 to date in % of Average



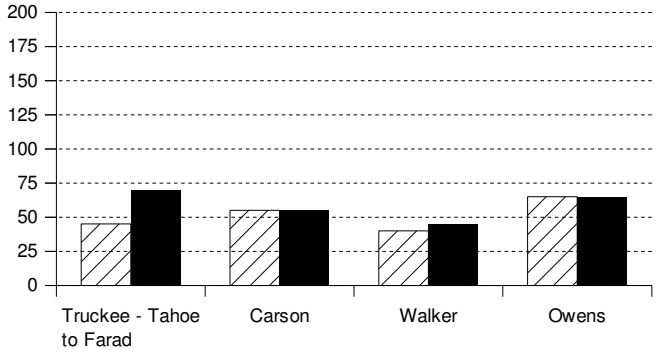
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



NORTH AND SOUTH LAHONTAN REGIONS

SNOWPACK- First of the month measurements made at 12 **North Lahontan snow** courses indicate an area wide snow water equivalent of 6.3 inches. This is 20 percent of the March 1 average and 15 percent of seasonal (April 1) average. Last year at this time the pack was holding 6.2 inches of water. At the same time 17 **South Lahontan Region** snow courses indicated a basin-wide snow water equivalent of 4.5 inches which is 20 percent of the average for March 1 and 20 percent of the seasonal average. Last year at this time the basin was holding 8.0 inches of water.

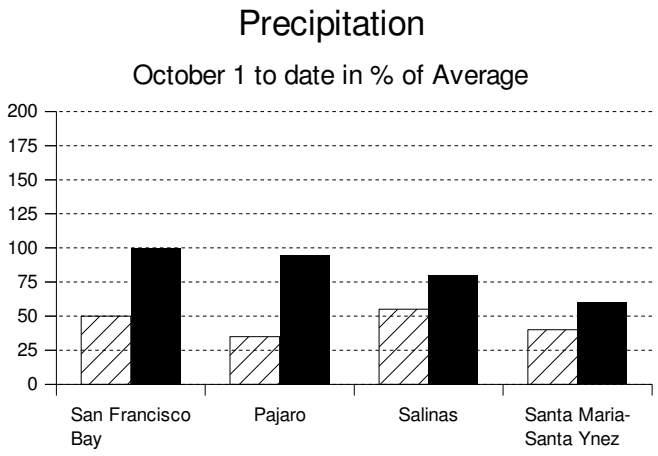
PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **North Lahontan** was 70 percent of normal. Precipitation last month was about 105 percent of the monthly average. Seasonal precipitation at this time last year stood at 50 percent of normal. Seasonal precipitation on the **South Lahontan** was 95 percent of normal. Precipitation last month was about 70 percent of the monthly average. Seasonal precipitation at this time last year stood at 40 percent of normal.

RESERVOIR STORAGE- First of the month storage in 5 **North Lahontan** reservoirs was 81 thousand acre-feet which is 15 percent of average. About 10 percent of available capacity was being used. Storage in these reservoirs at this time last year was 50 percent of average. Lake Tahoe was 0.2 feet below its natural rim on March 1. First of the month storage in 8 **South Lahontan** reservoirs was 228 thousand acre-feet which is 85 percent of average and about 60 percent of available capacity. Storage in these reservoirs at this time last year was 90 percent of average.

3

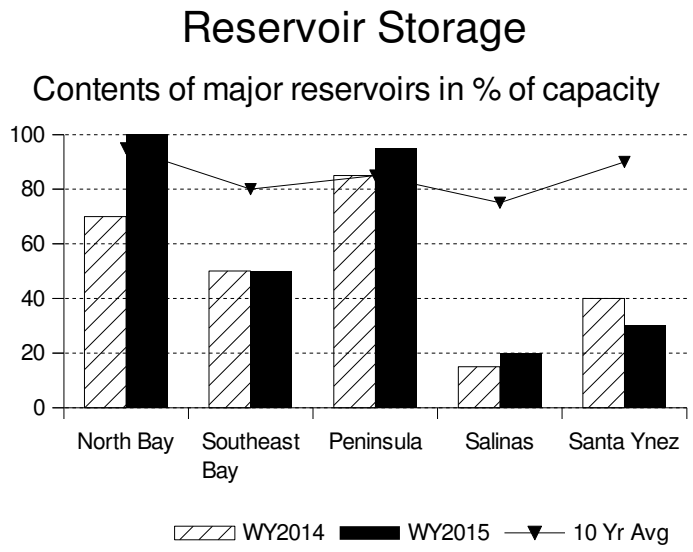
RUNOFF- Seasonal runoff of streams draining the **North Lahontan Region** totaled 121 thousand acre-feet which is 60 percent of average for this period. Last year, runoff for the same period was 45 percent of average. Seasonal runoff of the Owens River in the **South Lahontan Region** totaled 35 thousand acre-feet which is 65 percent of average for this period. Last year runoff for this same period was at 65 percent of average.

SAN FRANCISCO BAY AND CENTRAL COAST REGIONS



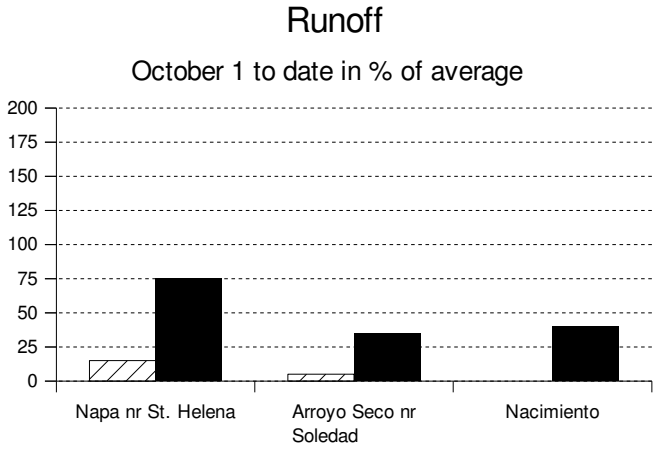
PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **San Francisco Bay Region** was 100 percent of normal. Precipitation last month was about 70 percent of the monthly average. Seasonal precipitation at this time last year stood at 50 percent of normal.

Seasonal precipitation on the **Central Coast Region** was 80 percent of normal. Precipitation last month was about 45 percent of the monthly average. Seasonal precipitation at this time last year stood at 45 percent of normal.



RESERVOIR STORAGE- First of the month storage in 17 **San Francisco Bay Region** reservoirs was 445 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 80 percent of average.

First of the month storage in 6 **Central Coast Region** reservoirs was 204 thousand acre-feet which is 30 percent of average and about 20 percent of available capacity. Storage in these reservoirs at this time last year was 30 percent of average.



RUNOFF- Seasonal runoff of the Napa River in the **San Francisco Bay Region** totaled 40 thousand acre-feet which is 75 percent of average for this period. Last year, runoff for the same period was 15 percent of average. Seasonal runoff of streams draining the **Central Coast Region** totaled 81 thousand acre-feet which is 40 percent of average for this period. Last year runoff for this same period was less than 5 percent of average.

SOUTH COAST AND COLORADO RIVER REGIONS

PRECIPITATION - October through February (seasonal) precipitation on the **South Coast Region** was 65 percent of normal. February precipitation was 25 percent of the monthly average. Seasonal precipitation at this time last year was 40 percent of normal. Seasonal precipitation on the **Colorado River-Desert Region** was 50 percent of normal and last year's seasonal precipitation on the **Colorado River-Desert Region** was 45 percent of normal. Precipitation in February was 25 percent of average.

RESERVOIR STORAGE - March 1 storage in 29 major **South Coast Region** reservoirs was 886 thousand acre-feet or 60 percent of average. About 40 percent of available capacity was being used. Storage in these reservoirs at this time last year was about 80 percent of average. On March 1 combined storage in Lakes Powell, Mead, Mohave and Havasu was about 24.0 million acre-feet or about 60 percent of average. About 45 percent of available capacity was in use. Last year at this time, these reservoirs were storing about 24.3 million acre-feet.

RUNOFF - Seasonal runoff from selected **South Coast Region** streams totaled 8.9 thousand acre-feet which is 30 percent of average. Seasonal runoff from these streams last year was 15 percent of average.

COLORADO RIVER - The April -July inflow to Lake Powell is forecast to be 5.1 million acre-feet, which is 71 percent of average. The March 1 snowpack was 85 percent, highest in the Escalante basin at 110 percent of average and lowest on the Price/San Rafael at 75 percent.

MAJOR WATER DISTRIBUTION PROJECTS
RESERVOIR STORAGE

(AVERAGES BASED ON 1951-2000 OR PERIOD RECORD)

RESERVOIR	CAPACITY 1,000 AF	AVERAGE STORAGE 1,000 AF	STORAGE AT END OF February 2014 1,000 AF	2015 1,000 AF	PERCENT AVERAGE	PERCENT CAPACITY
STATE WATER PROJECT						
Lake Oroville	3,538	2,466	1,407	1,736	70%	49%
San Luis Reservoir (SWP)	1,062	935	307	936	100%	88%
Lake Del Valle	77	35	34	36	105%	47%
Lake Silverwood	78	66	72	70	106%	90%
Pyramid Lake	180	162	169	168	103%	93%
Castaic Lake	325	281	273	98	35%	30%
Perris Lake	131	110	74	45	41%	34%
CENTRAL VALLEY PROJECT						
Trinity Lake	2,448	1,816	1,187	1,147	63%	47%
Lake Shasta	4,552	3,326	1,773	2,613	79%	57%
Whiskeytown Lake	241	207	206	207	100%	86%
Folsom Lake	977	543	305	564	104%	58%
New Melones Reservoir	2,400	1,468	1,060	606	41%	25%
Millerton Lake	520	341	167	195	57%	38%
San Luis Reservoir (CVP)	971	803	369	357	44%	37%
COLORADO RIVER PROJECT						
Lake Mead	26,159	19,788	12,456	10,769	54%	41%
Lake Powell	24,322	17,340	9,563	11,024	64%	45%
Lake Mohave	1,810	1,675	1,670	1,656	99%	91%
Lake Havasu	648	550	582	568	103%	88%
EAST BAY MUNICIPAL UTILITY DISTRICT						
Pardee Res	210	180	160	178	99%	85%
Camanche Reservoir	417	252	202	127	50%	30%
East Bay (4 res.)	159	131	112	111	85%	70%
CITY AND COUNTY OF SAN FRANCISCO						
Hetch-Hetchy Reservoir	360	158	185	249	157%	69%
Cherry Lake	268	140	209	191	136%	71%
Lake Eleanor	29	10	17	21	206%	73%
South Bay/Peninsula (4 res.)	227	170	122	130	77%	57%
CITY OF LOS ANGELES (D.W.P.)						
Lake Crowley	183	127	99	97	77%	53%
Grant Lake	48	27	30	16	57%	33%
Other Aqueduct Storage (6 res.)	83	75	61	61	81%	73%

TELEMETERED SNOW WATER EQUIVALENTS

March 1, 2015

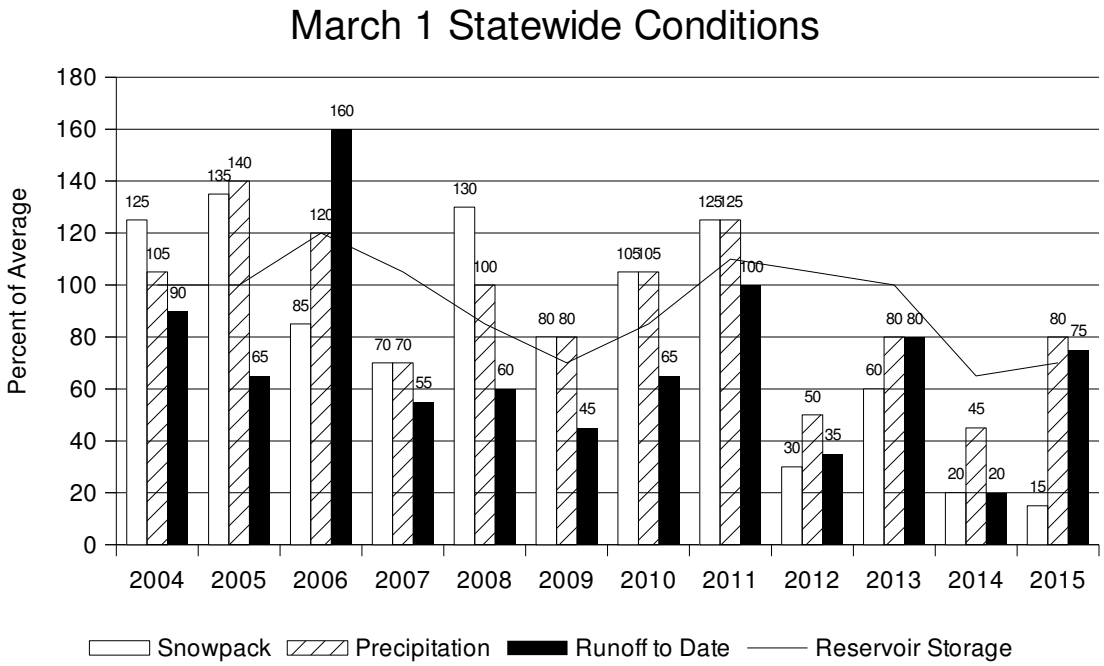
(AVERAGES BASED ON PERIOD RECORD)

BASIN NAME			INCHES OF WATER EQUIVALENT			
		APRIL 1		PERCENT	24 HRS	1 WEEK
STATION NAME	ELEV	AVERAGE	Mar 1	OF AVERAGE	PREVIOUS	PREVIOUS
TRINITY RIVER						
Peterson Flat	7150’	29.2	4.7	16.0	4.7	5.3
Red Rock Mountain	6700’	39.6	6.7	17.0	6.9	7.6
Bonanza King	6450’	40.5	0.0	0.0	0.0	0.0
Shimmy Lake	6400’	40.3	11.4	28.3	13.2	13.9
Middle Boulder 3	6200’	28.3	3.7	13.2	3.6	5.1
Highland Lakes	6030’	29.9	0.0	0.0	0.0	0.0
Scott Mountain	5900’	16.0	2.2	13.5	1.7	2.4
Mumbo Basin	5650’	22.4	0.0	0.0	0.0	0.0
Big Flat	5100’	15.8	0.0	0.0	0.0	0.0
Crowder Flat	5100’	—	0.0	—	0.0	0.0
SACRAMENTO RIVER						
Cedar Pass	7100’	18.1	3.6	19.9	3.5	2.2
Blacks Mountain	7050’	12.7	—	—	—	—
Sand Flat	6750’	42.4	16.0	37.8	16.0	16.3
Medicine Lake	6700’	32.6	10.0	30.6	10.1	10.1
Adin Mountain	6200’	13.6	0.4	2.9	0.5	0.0
Snow Mountain	5950’	27.0	0.0	0.0	0.0	0.6
Slate Creek	5700’	29.0	0.0	0.0	0.0	0.0
Stouts Meadow	5400’	36.0	0.0	0.0	0.0	0.0
FEATHER RIVER						
Lower Lassen Peak	8250’	—	—	—	—	—
Kettle Rock	7300’	25.5	2.2	8.5	2.3	3.4
Grizzly Ridge	6900’	29.7	1.3	4.4	1.2	1.2
Pilot Peak	6800’	52.6	0.9	1.8	0.8	0.0
Gold Lake	6750’	36.5	11.3	30.9	10.8	10.1
Humbug	6500’	28.0	2.5	9.0	3.1	3.6
Harkness Flat	6200’	28.5	1.6	5.7	1.3	2.9
Rattlesnake	6100’	14.0	0.0	0.0	0.0	0.0
Bucks Lake	5750’	44.7	0.0	0.0	0.0	0.0
Four Trees	5150’	20.0	0.0	0.0	0.0	0.0
EEL RIVER						
Hull Mountain	6461’	—	0.0	—	0.0	0.0
Noel Spring	5100’	—	0.0	—	0.0	0.0
YUBA & AMERICAN RIVERS						
Schneiders	8750’	34.5	18.5	53.6	17.9	16.1
Lake Lois	8600’	39.5	12.6	31.9	13.2	20.3
Carson Pass	8353’	—	11.8	—	11.6	11.6
Caples Lake	8000’	30.9	6.2	20.2	6.0	7.2
Alpha	7600’	35.9	0.6	1.6	0.3	0.0
Forni Ridge	7600’	37.0	0.8	2.1	0.5	0.0
Meadow Lake	7200’	55.5	11.4	20.6	11.5	12.7
Silver Lake	7100’	22.7	0.7	3.2	0.5	0.1
Central Sierra Snow Lab	6900’	33.6	4.1	12.2	3.5	3.9
Van Vleck	6700’	35.9	3.7	10.3	3.4	3.9
Huysink	6600’	42.6	1.0	2.3	0.6	0.0
Robinson Cow Camp	6480’	—	1.4	—	0.9	2.0
Robbs Saddle	5900’	21.4	0.6	2.7	0.5	0.0
Greek Store	5600’	21.0	1.2	5.7	0.7	0.0
Blue Canyon	5280’	9.0	0.6	6.4	0.5	0.0
Robbs Powerhouse	5150’	5.2	0.3	6.5	0.5	0.0
MOKELUMNE & STANISLAUS RIVERS						
Deadman Creek	9250’	37.2	9.6	25.9	9.9	9.2
Highland Meadow	8700’	47.9	4.3	9.0	3.6	4.9
Gianelli Meadow	8400’	55.5	12.5	22.5	12.2	12.5
Lower Relief Valley	8100’	41.2	5.3	12.9	5.5	7.3
Blue Lakes	8000’	33.1	8.8	26.6	8.4	7.1
Stanislaus Meadow	7750’	47.5	7.2	15.2	7.0	7.7
Bloods Creek	7200’	35.5	4.6	12.8	4.6	4.6
Black Springs	6500’	32.0	0.7	2.2	0.6	0.0
TUOLUMNE & MERCED RIVERS						
Dana Meadows	9800’	27.7	8.3	30.0	8.0	7.6
Slide Canyon	9200’	41.1	16.2	39.5	16.2	15.8
Tuolumne Meadows	8600’	22.6	0.8	3.7	0.8	0.6
Horse Meadow	8400’	48.6	9.1	18.7	9.3	11.4
Ostrander Lake	8200’	34.8	3.7	10.6	3.6	4.2
Lake Tenaya	8150’	33.1	—	—	—	—
White Wolf	7900’	—	—	—	—	—
Paradise Meadow	7650’	41.3	1.0	2.5	1.0	1.1
Gin Flat	7050’	34.2	0.0	0.0	0.0	0.0
Lower Kibbie Ridge	6700’	27.4	0.9	3.4	0.7	0.4

SAN JOAQUIN RIVER						
Volcanic Knob	10050’	30.1	7.5	25.0	7.2	7.2
Agnew Pass	9450’	32.3	7.5	23.3	6.8	7.7
Kaiser Point	9200’	37.8	7.8	20.6	7.8	7.9
Green Mountain	7900’	30.8	0.8	2.7	0.8	1.2
Devil’s Postpile	7569’	—	—	—	—	—
Tamarack Summit	7550’	30.5	0.8	2.8	0.7	0.0
Chilkoot Meadow	7150’	38.0	0.0	0.0	0.0	0.0
Huntington Lake	7000’	20.1	3.6	17.9	3.2	2.6
Graveyard Meadow	6900’	18.8	0.2	1.3	0.2	0.1
Poison Ridge	6900’	28.9	2.2	7.5	2.2	2.3
KINGS RIVER						
Bishop Pass	11200’	34.0	4.7	13.7	4.5	3.5
Charlotte Lake	10400’	27.5	—	—	—	—
State Lakes	10300’	29.0	—	—	—	—
Blackcap Basin	10300’	34.3	23.1	67.4	22.7	21.0
Mitchell Meadow	9900’	32.9	11.2	34.0	11.2	10.0
Upper Burnt Corral	9700’	34.6	11.1	32.0	11.1	10.4
West Woodchuck Meadow	9100’	32.8	0.6	1.7	0.3	0.3
Big Meadows	7600’	25.9	1.2	4.6	1.2	0.1
KAWEAH & TULE RIVERS						
Farewell Gap	9500’	34.5	—	—	—	—
Quaking Aspen	7200’	21.0	1.3	6.3	1.2	0.1
Giant Forest	6650’	10.0	—	—	—	—
KERN RIVER						
Upper Tyndall Creek	11400’	27.7	4.6	16.5	4.7	4.4
Crabtree Meadow	10700’	19.8	—	—	—	—
Chagoopa Plateau	10300’	21.8	5.4	24.6	5.4	4.9
Pascoes	9150’	24.9	6.0	24.2	5.8	4.8
Wet Meadows	8950’	30.3	0.7	2.3	0.7	0.0
Tunnel Guard Station	8900’	15.6	0.3	2.2	1.1	0.4
Casa Vieja Meadows	8300’	20.9	1.9	9.3	2.1	1.8
Beach Meadows	7650’	11.0	—	—	—	—
SURPRISE VALLEY AREA						
Dismal Swamp	7050’	29.2	14.0	47.9	14.1	13.2
TRUCKEE RIVER						
Big Meadows	8700’	25.7	7.3	28.4	6.9	7.2
Independence Lake	8450’	41.4	18.7	45.2	18.4	17.7
Squaw Valley	8200’	46.5	17.5	37.6	17.9	16.2
Independence Camp	7000’	21.8	0.0	0.0	0.0	0.0
Independence Creek	6500’	12.7	0.0	0.0	0.0	0.0
Truckee 2	6400’	14.3	1.8	12.6	0.7	0.7
LAKE TAHOE BASIN						
Mount Rose Ski Area	8900’	38.5	17.1	44.4	16.3	15.6
Heavenly Valley	8800’	28.1	6.8	24.2	6.8	6.3
Hagans Meadow	8000’	16.5	0.9	5.5	0.4	0.5
Marlette Lake	8000’	21.1	—	—	—	—
Echo Peak 5	7800’	39.5	10.7	27.1	9.7	9.0
Rubicon Peak 2	7500’	29.1	—	—	—	—
Tahoe City Cross	6750’	16.0	1.1	6.9	1.0	0.3
Ward Creek 3	6750’	39.4	—	—	—	—
Fallen Leaf Lake	6250’	7.0	0.6	8.6	0.1	0.0
CARSON RIVER						
Ebbetts Pass	8700’	38.8	15.6	40.2	14.7	13.6
Horse Meadow	8557’	—	5.2	—	4.4	4.3
Monitor Pass	8350’	—	4.2	—	3.6	3.4
Burnside Lake	8129’	—	8.5	—	8.4	7.8
Forestdale Creek	8017’	—	11.7	—	11.0	10.6
Poison Flat	7900’	16.2	4.0	24.7	3.5	3.9
Spratt Creek	6150’	4.5	1.1	24.4	0.4	0.3
WALKER RIVER						
Leavitt Lake	9600’	—	26.1	—	26.1	25.4
Summit Meadow	9313’	—	7.7	—	7.3	7.2
Virginia Lakes	9300’	20.3	4.2	20.7	4.1	3.6
Lobdell Lake	9200’	17.3	5.5	31.8	5.5	5.2
Sonora Pass Bridge	8750’	26.0	8.5	32.7	8.1	5.7
Leavitt Meadows	7200’	8.0	0.1	1.2	0.1	0.0
OWENS RIVER/MONO LAKE						
Gem Pass	10750’	31.7	12.0	37.8	11.8	—
Sawmill	10200’	19.4	4.2	21.8	4.0	3.2
Cottonwood Lakes	10150’	11.6	7.2	62.1	7.6	4.8
Big Pine Creek	9800’	17.9	3.1	17.6	3.2	2.5
Rock Creek Lakes	9700’	14.0	0.0	0.0	0.0	0.0
South Lake	9600’	16.0	4.9	30.5	4.2	3.3
Mammoth Pass	9300’	42.4	6.4	15.2	6.3	6.2

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

The 83rd Western Snow Conference (WSC) annual meeting will be held in Grass Valley, California April 20-23. The short course on Monday, April 20 will cover LIDAR and snow science This meeting will be hosted by the South Continental Region. Don't miss out on an opportunity to attend this meeting of the premier organization devoted to the study of snow and runoff practically in your own backyard. Further information is at http://www.westernsnowconference.org/ or contact Frank Gehrke 916-574-2635.

Depicted on this months cover are the remains of the Duncan Peak sensor following a severe wind event in December 2013. Photo courtesy UC Merced.