

# Summary of Water Conditions

February 1, 2015

This summary is a snapshot of water conditions as of February 1; as it is written, a major Pacific storm has brought some easing of drought in Northern California. After 3 years of drought, water year 2015 seemed to be getting off to a good start with much above average rainfall in December. However, after Christmas, conditions turned very dry with little or no precipitation through January. Record low amounts for January were recorded at many California locations. The December storms were warm with rain to high elevations; as a result snowpack accumulations are similar to those of 1977, our record dry year. The December storms were weaker in the southern half of the Sierra which compounded the water deficits in San Joaquin-Tulare, and also the Central Coast regions.

**Forecasts** of median April through July runoff are around 50 percent average due to the poor snowpack compared to 40 percent in last year's forecast at this time. Water year runoff forecasts are better at 60 percent due to good runoff in the north in December.

**Snowpack** water content is poor at 20 percent for this date, not much better than last year's dismal 10 percent. The pack is only about 10 percent of the April 1 average, normally the time of maximum accumulation. There is little snow in the lower zones because of the warmth of December storms and a warm January.

**Precipitation** from October through January was about 80 percent of average statewide so far compared to only 20 percent last year. The north fared better than the south. January precipitation was about 20 percent of average.

**Runoff** to date was 65 percent of average compared to only 15 percent last year on this date. But January runoff was 25 percent of average for the month compared to 10 percent for the same month last year. Estimated runoff for the eight major rivers of the Sacramento-San Joaquin River region in January 2015 was 0.81 million acre-feet.

**Reservoir Storage** is about 65 percent of average, nearly the same overall as reported one year ago. But southern Sierra reservoirs are considerably lower now. In 1991, total reservoir storage at the end of January stood at 50 percent.

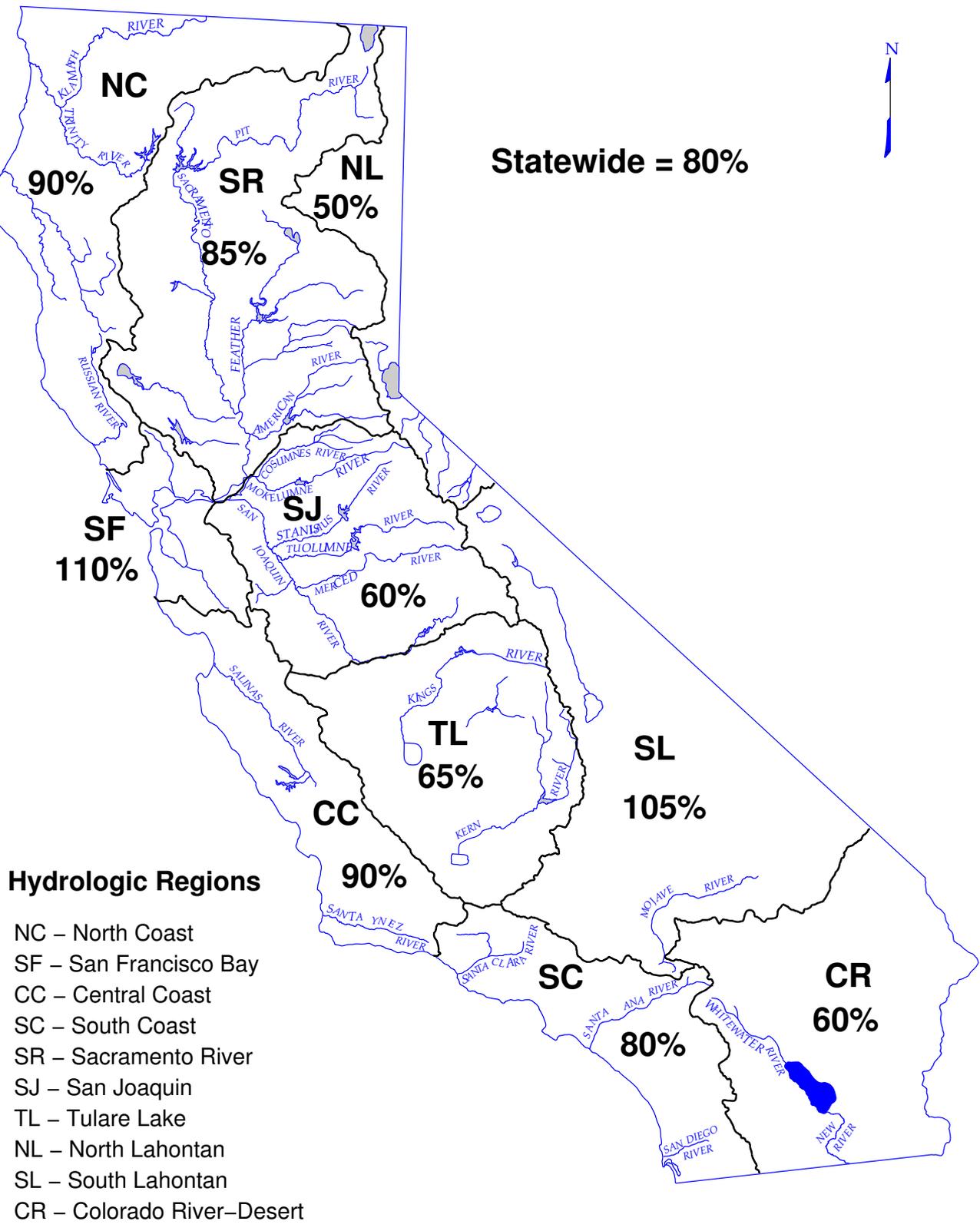
## SUMMARY OF WATER CONDITIONS IN PERCENT OF AVERAGE

HYDROLOGIC REGION	PRECIPITATION OCTOBER 1 TO DATE	FEBRUARY 1 SNOW WATER CONTENT	FEBRUARY 1 RESERVOIR STORAGE	RUNOFF OCTOBER 1 TO DATE	APR-JULY RUNOFF FORECAST	WATER YEAR RUNOFF FORECAST
NORTH COAST	90	10	55	70	50	75
SAN FRANCISCO BAY	110	--	95	90	--	--
CENTRAL COAST	90	--	30	35	--	--
SOUTH COAST	80	--	65	45	--	--
SACRAMENTO RIVER	85	20	75	75	55	70
SAN JOAQUIN RIVER	60	20	60	25	45	45
TULARE LAKE	65	25	35	25	40	40
NORTH LAHONTAN	50	15	15	45	40	40
SOUTH LAHONTAN	105	20	85	70	25	40
COLORADO RIVER-DESERT	60	--	--	--	--	--
<b>STATEWIDE</b>	80	20	65	65	50	60

# SEASONAL PRECIPITATION

IN PERCENT OF AVERAGE TO DATE

October 1, 2014 through January 31, 2015



WATER YEAR IS OCTOBER 1 THROUGH SEPTEMBER 30

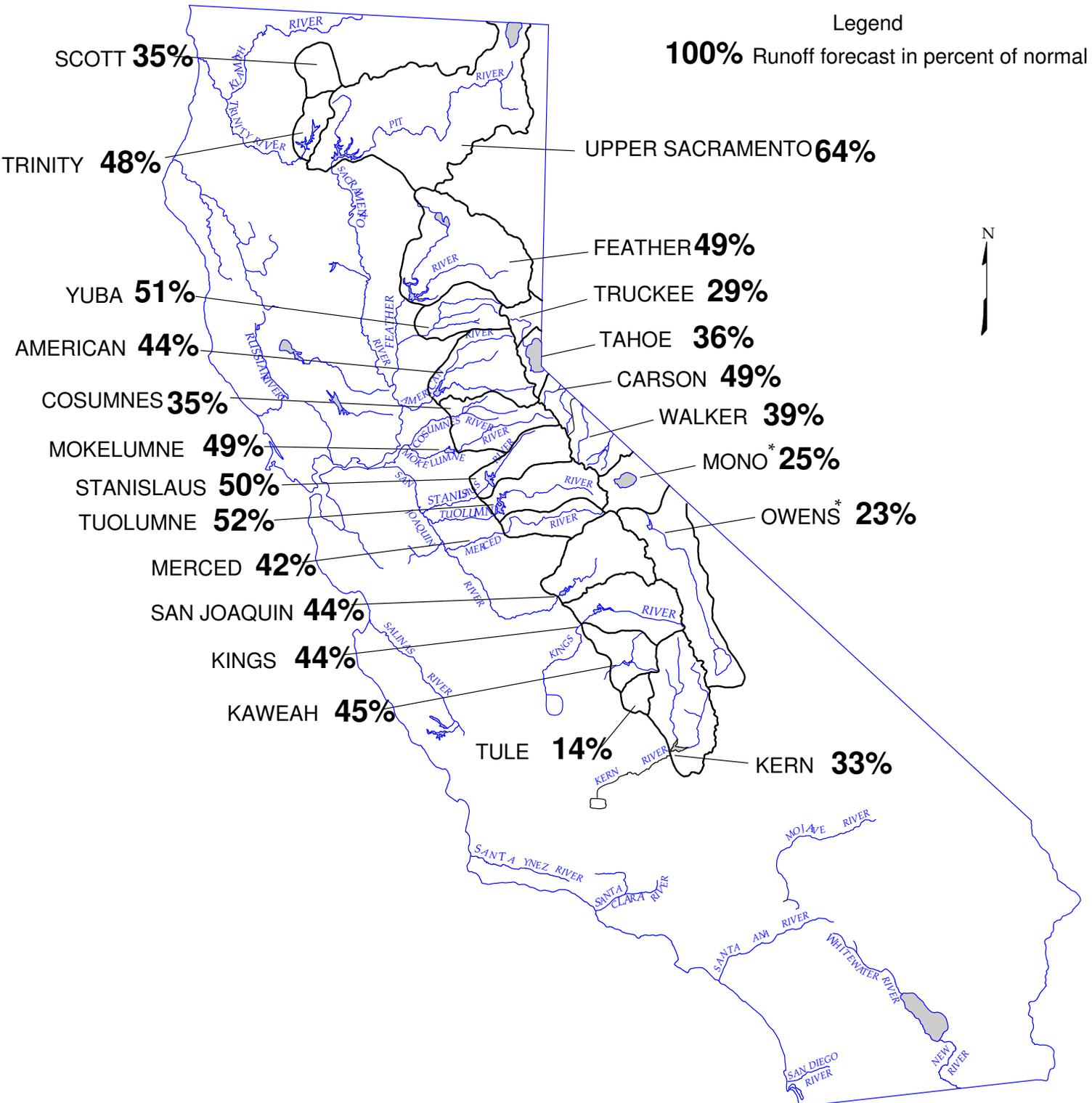
# DEPARTMENT OF WATER RESOURCES

## CALIFORNIA COOPERATIVE SNOW SURVEYS

### FORECAST OF APRIL – JULY

### UNIMPAIRED SNOWMELT RUNOFF

February 1, 2015



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

**FEBRUARY 1, 2015 FORECASTS  
APRIL-JULY UNIMPAIRED RUNOFF**

HYDROLOGIC REGION and Watershed	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	80 % Probability Range (1)
<b>North Coast</b>						
Trinity River at Lewiston Lake	651	1,593	80	<b>310</b>	48%	90 - 710
<b>SACRAMENTO RIVER</b>						
<b>Upper Sacramento River</b>						
Sacramento River at Delta above Shasta Lake	302	751	39	160	53%	
McCloud River above Shasta Lake	392	850	185	260	66%	
Pit River near Montgomery Creek + Squaw Creek	1,046	2,098	480	700	67%	
Total Inflow to Shasta Lake	1,806	3,525	726	<b>1,150</b>	64%	690 - 2,150
<b>Sacramento River above Bend Bridge, near Red Bluff</b>	2,485	5,117	943	<b>1,550</b>	62%	890 - 3,220
<b>Feather River</b>						
Feather River at Lake Almanor near Prattville (3)	333	675	120	150	45%	
North Fork at Pulga (3)	1,028	2,416	243	490	48%	
Middle Fork near Clio (4)	86	518	4	40	47%	
South Fork at Ponderosa Dam (3)	110	267	13	50	45%	
Feather River at Oroville	1,758	4,676	392	<b>860</b>	49%	380 - 2,300
<b>Yuba River</b>						
North Yuba below Goodyears Bar	279	647	51	140	50%	
Inflow to Jackson Mdws and Bowman Reservoirs (3)	112	236	25	60	54%	
South Yuba at Langs Crossing (3)	233	481	57	120	52%	
Yuba River near Smartsville plus Deer Creek	996	2,424	200	<b>510</b>	51%	190 - 1,200
<b>American River</b>						
North Fork at North Fork Dam (3)	262	716	43	100	38%	
Middle Fork near Auburn (3)	522	1,406	100	220	42%	
Silver Creek Below Camino Diversion Dam (3)	173	386	37	80	46%	
American River below Folsom Lake	1,231	3,074	229	<b>540</b>	44%	190 - 1,560
<b>SAN JOAQUIN RIVER</b>						
<b>Cosumnes River at Michigan Bar</b>	128	446	8	<b>45</b>	35%	6 - 225
<b>Mokelumne River</b>						
North Fork near West Point (5)	437	829	104	210	48%	
Total Inflow to Pardee Reservoir	468	1,076	102	<b>230</b>	49%	85 - 530
<b>Stanislaus River</b>						
Middle Fork below Beardsley Dam (3)	334	702	64	160	48%	
North Fork Inflow to McKays Point Dam (3)	224	503	34	100	45%	
Stanislaus River below Goodwin Reservoir (9)	699	1,710	116	<b>350</b>	50%	100 - 810
<b>Tuolumne River</b>						
Cherry Creek & Eleanor Creek near Hetch Hetchy	315	727	97	170	54%	
Tuolumne River near Hetch Hetchy	604	1,392	153	340	56%	
Tuolumne River below La Grange Reservoir (9)	1,221	2,682	301	<b>640</b>	52%	270 - 1,430
<b>Merced River</b>						
Merced River at Pohono Bridge	372	888	80	170	46%	
Merced River below Merced Falls (9)	636	1,587	123	<b>270</b>	42%	105 - 780
<b>San Joaquin River</b>						
San Joaquin River at Mammoth Pool (7)	1,026	2,279	235	480	47%	
Big Creek below Huntington Lake (8)	91	264	11	45	49%	
South Fork near Florence Lake (7)	201	511	58	90	45%	
San Joaquin River inflow to Millerton Lake	1,258	3,355	262	<b>550</b>	44%	270 - 1,370
<b>TULARE LAKE</b>						
<b>Kings River</b>						
North Fork Kings River near Cliff Camp (3)	239	565	50	100	42%	
Kings River below Pine Flat Reservoir	1,236	3,113	274	<b>540</b>	44%	260 - 1,340
<b>Kaweah River below Terminus Reservoir</b>	290	814	62	<b>130</b>	45%	58 - 370
<b>Tule River below Lake Success</b>	64	259	2	<b>9</b>	14%	2 - 99
<b>Kern River</b>						
Kern River near Kernville	384	1,203	83	140	36%	
Kern River inflow to Lake Isabella	465	1,657	84	<b>155</b>	33%	80 - 640

(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

**FEBRUARY 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	170	140	130	120	45	15	4	3	<b>1,045</b>	76%	600 - 1,855
876	1,965	165												
1,200	2,353	557												
3,082	5,150	1,484												
5,979	10,796	2,479	1,621	750	600	420	320	225	185	170	159	<b>4,450</b>	74%	3,305 - 7,115
8,727	17,180	3,294	2,652	1,200	930	555	435	315	245	215	213	<b>6,760</b>	77%	4,810 - 10,690
780	1,269	366												
2,417	4,400	666												
219	637	24												
291	562	32												
4,523	9,492	994	916	470	430	350	280	140	90	75	64	<b>2,815</b>	62%	1,715 - 5,495
564	1,056	102												
181	292	30												
379	565	98												
2,329	4,926	369	398	280	240	215	205	70	20	12	10	<b>1,450</b>	62%	765 - 2,710
616	1,234	66												
1,070	2,575	144												
318	705	59												
2,683	6,382	349	332	310	250	240	225	65	10	1	2	<b>1,435</b>	53%	690 - 3,130
385	1,253	20	22	53	50	25	15	5	0	0	0	<b>170</b>	44%	40 - 765
626	1,009	197												
763	1,848	129	43	61	65	85	115	27	3	1	0	<b>400</b>	52%	170 - 870
471	929	88												
1,167	2,952	155	64	60	83	130	160	50	10	2	1	<b>560</b>	48%	200 - 1,140
461	1,147	123												
770	1,661	258												
1,943	4,631	383	106	93	130	190	290	135	25	8	3	<b>980</b>	50%	470 - 1,960
461	1,020	92												
1,007	2,787	150	22	40	60	90	120	50	10	3	0	<b>395</b>	39%	160 - 1,050
1,337	2,964	308												
112	298	14												
248	653	71												
1,831	4,642	362	47	58	93	150	230	130	40	15	7	<b>770</b>	42%	400 - 1,750
284	607	58												
1,729	4,287	386	49	45	65	145	230	130	35	13	8	<b>720</b>	42%	370 - 1,720
456	1,402	94	15	18	24	40	60	25	5	2	1	<b>190</b>	42%	90 - 520
147	615	16	4	6	7	5	3	1	0	0	0	<b>26</b>	18%	5 - 250
558	1,577	163												
733	2,318	175	36	24	32	45	60	35	15	10	8	<b>265</b>	36%	150 - 990

(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

**FEBRUARY 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
<b>NORTH COAST</b>					
<b>Scott River</b>					
Scott River nr Ft Jones (3)	172	398	22	<b>61</b>	35%
<b>Klamath River</b>					
Total inflow to Upper Klamath Lake (4)	340	618	84	<b>385</b>	113%
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<b>NORTH LAHONTAN</b>					
<b>Truckee River</b>					
Lake Tahoe to Farad accretions	256	713	52	<b>75</b>	29%
Lake Tahoe Rise (assuming gates closed, ft)	1.4	5.4	0.2	<b>0.5</b>	36%
<b>Carson River</b>					
West Fork Carson River at Woodfords	53	135	12	<b>21</b>	40%
East Fork Carson River near Gardnerville	186	407	43	<b>95</b>	51%
<b>Walker River</b>					
West Walker River below Little Walker, near Coleville	155	330	35	<b>70</b>	45%
East Walker River near Bridgeport	63	209	7	<b>16</b>	25%
<hr/>					
<b>SOUTH LAHONTAN</b>					
<b>Owens River</b>					
Total tributary flow to Owens River (5)	235	579	96	<b>55</b>	23%
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(1) See inside back cover for definition

(2) All 50 year averages are based on years 1961-2010 unless otherwise noted

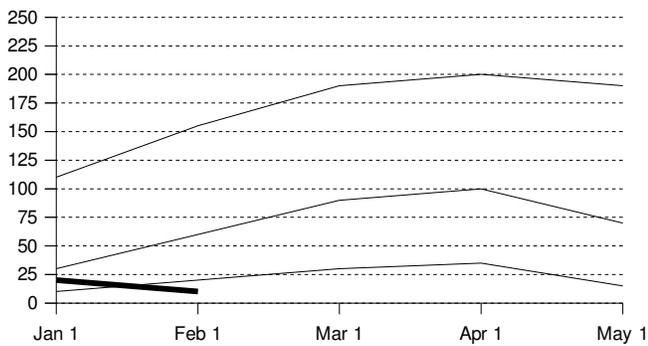
(3) Forecast by National Weather Service California-Nevada River Forecast Center. 30 yr average (1981-2010)

(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

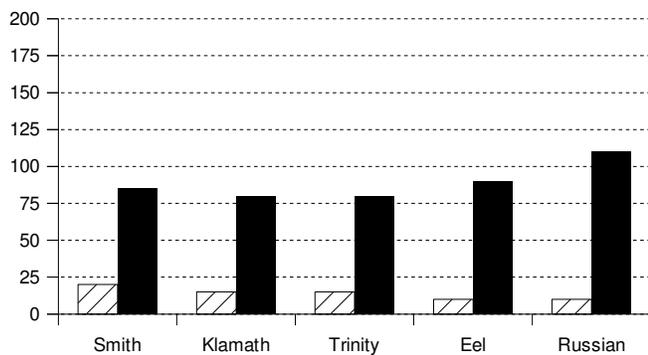
## Snowpack Accumulation

Water Content in % of April 1 Average



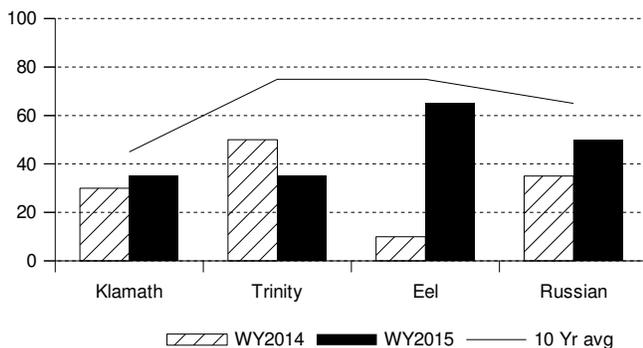
## Precipitation

October 1 to date in % of Average



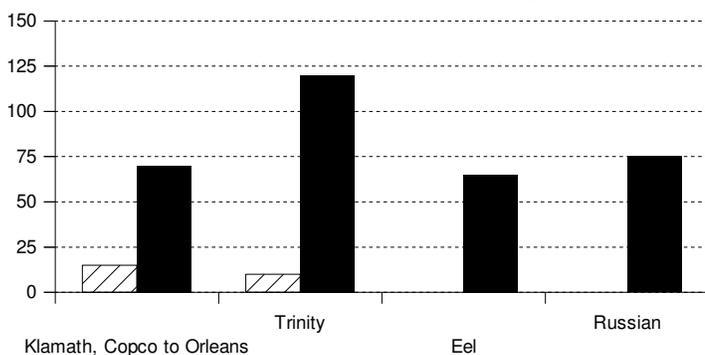
## Reservoir Storage

Contents of major reservoirs in % of capacity



## Runoff

October 1 to date in % of average



## NORTH COAST REGION

**SNOWPACK** - First of the month measurements made at 10 snow courses indicate an area wide snow water equivalent of 2.8 inch. This is 10 percent of the February 1 average and 10 percent of the seasonal (April 1) average. Last year at this time the pack was holding less than 1 inch of water.

**PRECIPITATION** - Seasonal precipitation (October 1 through the end of last month) on this area was 90 percent of normal. Precipitation last month was about 20 percent of the monthly average. Seasonal precipitation at this time last year stood at 20 percent of normal.

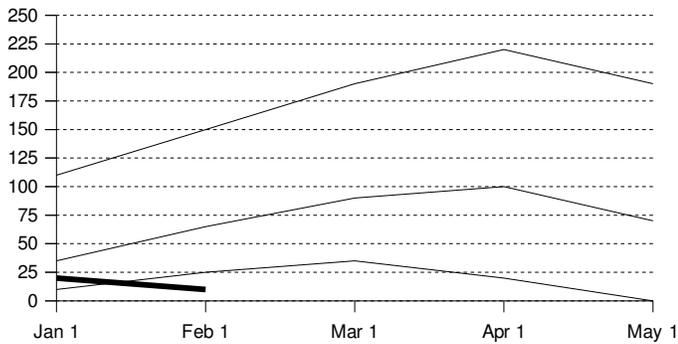
**RESERVOIR STORAGE** - First of the month storage in 6 reservoirs was 1.2 million acre-feet which is 55 percent of average. About 40 percent of available capacity was being used. Storage in these reservoirs at this time last year was 65 percent of average.

**RUNOFF** - Seasonal runoff of streams draining the area totaled 3.7 million acre-feet which is 70 percent of the average for this period. Last year, runoff for the same period was 5 percent of average.

## SACRAMENTO RIVER REGION

### Snowpack Accumulation

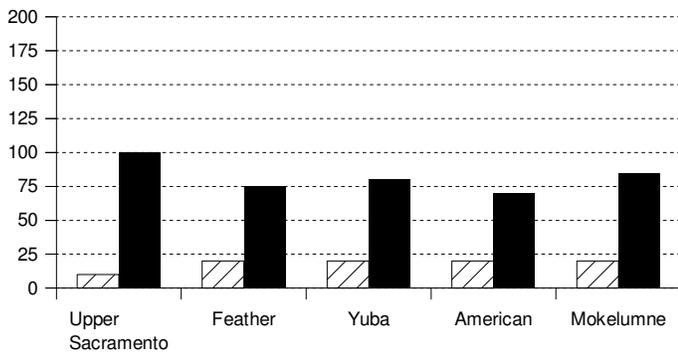
Water Content in % of April 1 Average



**SNOWPACK** - First of the month measurements made at 68 snow courses indicate an area wide snow water equivalent of 4.2 inch. This is 20 percent of the February 1 average and 10 percent of the seasonal (April 1) average. Last year at this time the pack was holding less than 1 inch of water.

### Precipitation

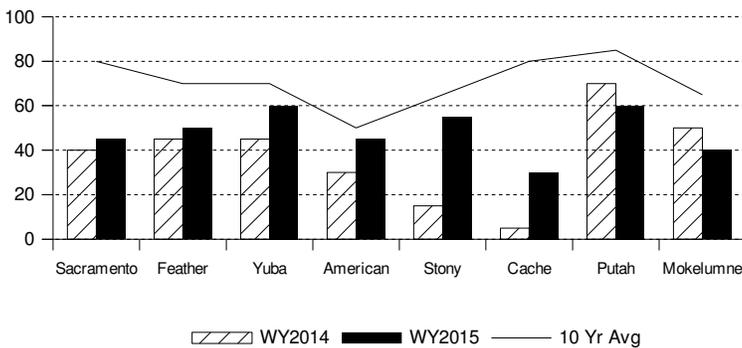
October 1 to date in % of Average



**PRECIPITATION** - Seasonal precipitation (October 1 through the end of last month) on this area was 85 percent of normal. Precipitation last month was less than 5 percent of the monthly average. Seasonal precipitation at this time last year stood at 15 percent of normal.

### Reservoir Storage

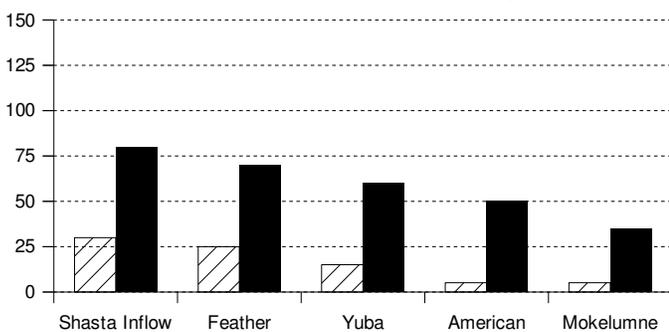
Contents of major reservoirs in % of capacity



**RESERVOIR STORAGE** - First of the month storage in 43 reservoirs was 7.9 million acre-feet which is 75 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



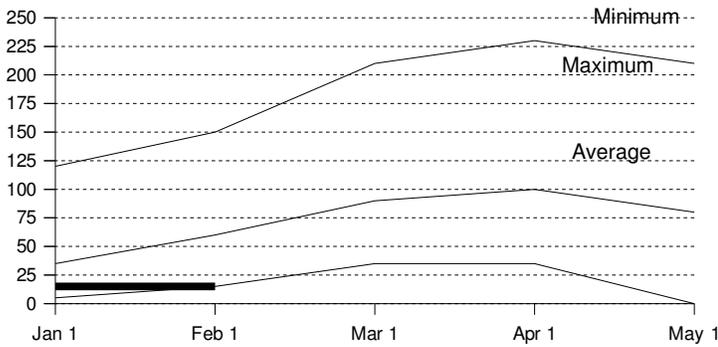
**RUNOFF** - Seasonal runoff of streams draining the area totaled 4.3 million acre-feet which is 75 percent of average for this period. Last year, runoff for the same period was 25 percent of average.

The **Sacramento Region 40-30-30 Water Supply Index** is forecast to be 5.1 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

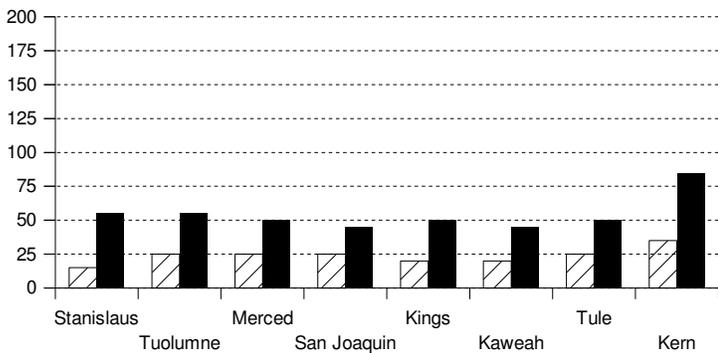
## Snowpack Accumulation

Water Content in % of April 1 Average



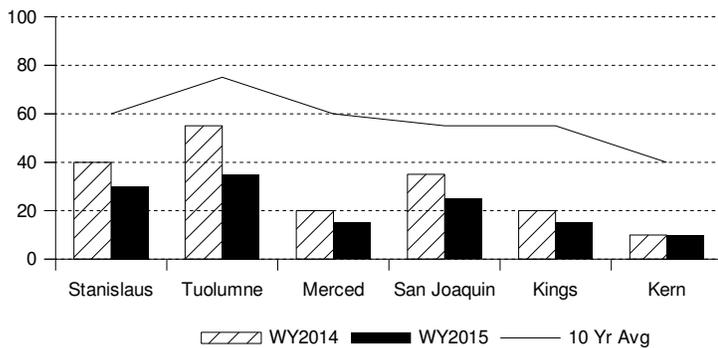
## Precipitation

October 1 to date in % of Average



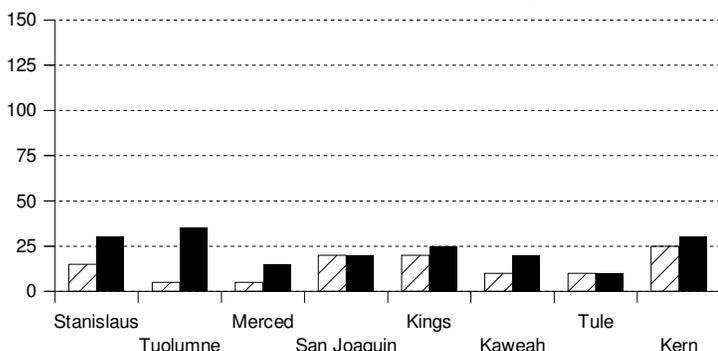
## Reservoir Storage

Contents of major reservoirs in % of capacity



## Runoff

October 1 to date in % of average



**SNOWPACK**- First of the month measurements made at 62 **San Joaquin River Region** snow courses indicate an area wide snow water equivalent of 4.8 inches. This is 20 percent of the February 1 average and 15 percent of seasonal average. Last year at this time the pack was holding 2.3 inches of water. At the same time 39 **Tulare Lake Region** snow courses indicated a basin-wide snow water equivalent of 3.7 inches which is 25 percent of the average for February 1 and 15 percent of the seasonal average. Last year at this time the basin was holding 1.7 inches of water.

**PRECIPITATION** - Seasonal precipitation (October 1 through the end of last month) on the **San Joaquin Region** was 60 percent of normal. Precipitation last month was less than 5 percent of the monthly average. Seasonal precipitation at this time last year stood at 20 percent of normal. Seasonal precipitation on the **Tulare Lake Region** was 65 percent of normal. Precipitation last month was about 10 percent of the monthly average. Seasonal precipitation at this time last year stood at 25 percent of normal.

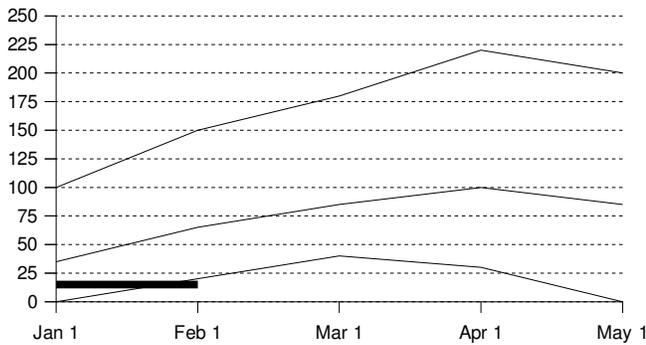
**RESERVOIR STORAGE**- First of the month storage in 34 **San Joaquin Region** reservoirs was 4.1 million acre-feet which is 60 percent of average. About 35 percent of available capacity was being used. Storage in these reservoirs at this time last year was 65 percent of average. First of the month storage in 6 **Tulare Lake Region** reservoirs was 276 thousand acre-feet which is 35 percent of average and about 15 percent of available capacity. Storage in these reservoirs at this time last year was 45 percent of average.

**RUNOFF**- Seasonal runoff of streams draining the **San Joaquin Region** totaled 305 thousand acre-feet which is 25 percent of average for this period. Last year, runoff for the same period was 10 percent of average. Seasonal runoff of streams draining the **Tulare Lake Basin** totaled 104 thousand acre-feet which is 25 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 1.1 assuming 75 percent exceedance meteorological conditions. This classifies the year as "critical" in the San Joaquin Region according to the State Water Resources Control Board.

## NORTH AND SOUTH LAHONTAN REGIONS

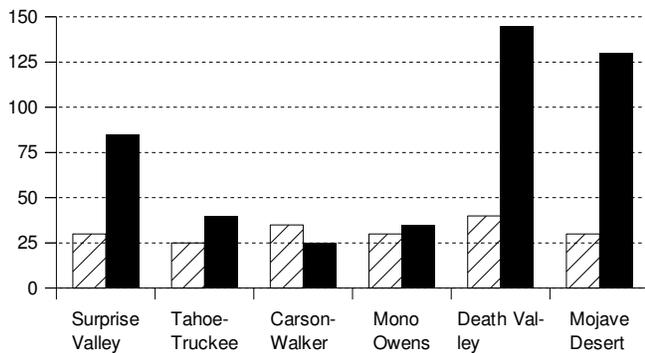
### Snowpack Accumulation

Water Content in % of April 1 Average



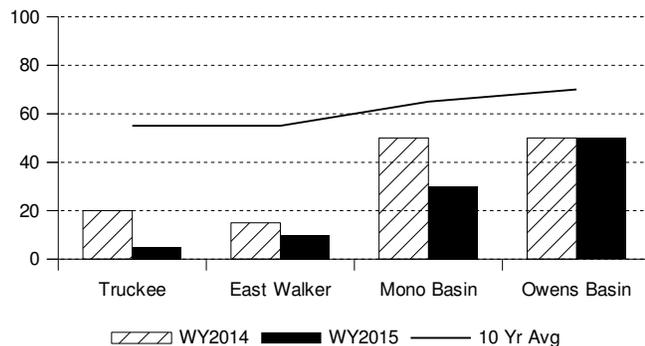
### Precipitation

October 1 to date in % of Average



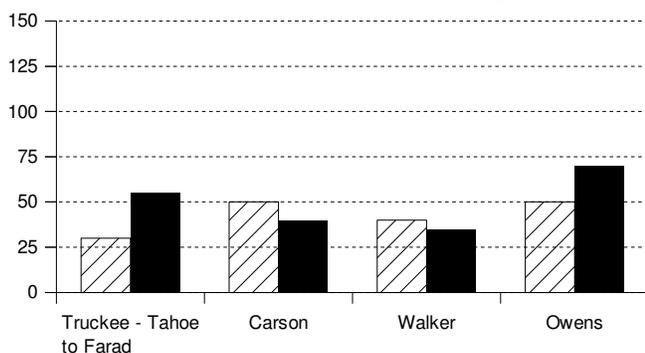
### Reservoir Storage

Contents of major reservoirs in % of capacity



### Runoff

October 1 to date in % of average



**SNOWPACK**- First of the month measurements made at 12 **North Lahontan snow** courses indicate an area wide snow water equivalent of 3.1 inches. This is 15 percent of the February 1 average and 10 percent of seasonal (April 1) average. Last year at this time the pack was holding 2.8 inches of water. At the same time 17 **South Lahontan Region** snow courses indicated a basin-wide snow water equivalent of 3.0 inches which is 20 percent of the average for February 1 and 15 percent of the seasonal average. Last year at this time the basin was holding 3.9 inches of water.

**PRECIPITATION** - Seasonal precipitation (October 1 through the end of last month) on the **North Lahontan Region** was 50 percent of normal. Precipitation last month was less than 5 percent of the monthly average. Seasonal precipitation at this time last year stood at 30 percent of normal. Seasonal precipitation on the **South Lahontan Region** was 105 percent of normal. Precipitation last month was about 135 percent of the monthly average. Seasonal precipitation at this time last year stood at 35 percent of normal.

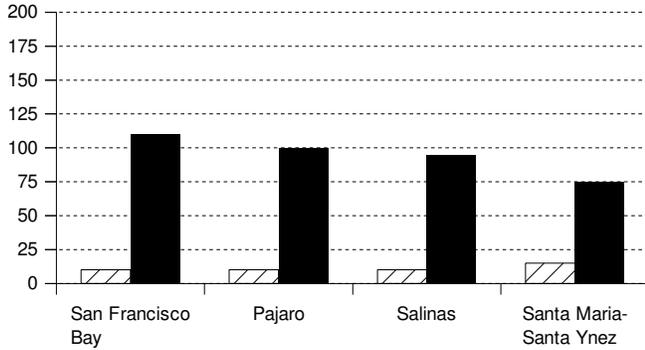
**RESERVOIR STORAGE**- First of the month storage in 5 **North Lahontan** reservoirs was 72 thousand acre-feet which is 15 percent of average. About 5 percent of available capacity was being used. Storage in these reservoirs at this time last year was 40 percent of average. Lake Tahoe was 0.7 feet above its natural rim on February 1. First of the month storage in 8 **South Lahontan** reservoirs was 222 thousand acre-feet which is 85 percent of average and about 55 percent of available capacity. Storage in these reservoirs at this time last year was 90 percent of average.

**RUNOFF**- Seasonal runoff of streams draining the **North Lahontan Region** totaled 67 thousand acre-feet which is 45 percent of average for this period. Last year, runoff for the same period was 20 percent of average. Seasonal runoff of the Owens River in the **South Lahontan Region** totaled 30 thousand acre-feet which is 70 percent of average for this period. Last year runoff for this same period was 50 percent of average.

# SAN FRANCISCO BAY AND CENTRAL COAST REGIONS

## Precipitation

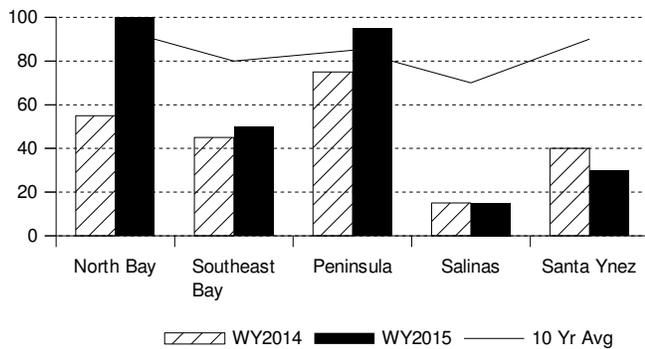
October 1 to date in % of Average



**PRECIPITATION** - Seasonal precipitation (October 1 through the end of last month) on the **San Francisco Bay Region** was 110 percent of normal. Precipitation last month was less than 5 percent of the monthly average. Seasonal precipitation at this time last year stood at 10 percent of normal. Seasonal precipitation on the **Central Coast Region** was 90 percent of normal. Precipitation last month was about 10 percent of the monthly average. Seasonal precipitation at this time last year stood at 10 percent of normal.

## Reservoir Storage

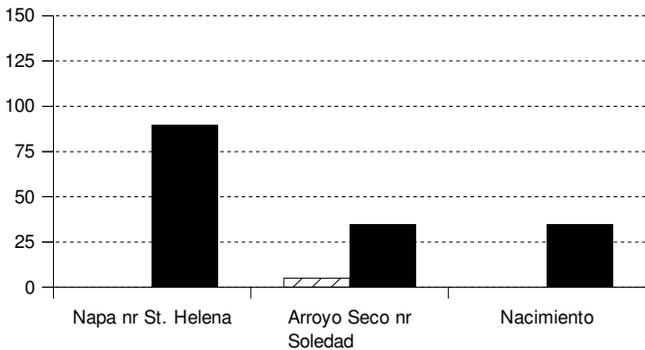
Contents of major reservoirs in % of capacity



**RESERVOIR STORAGE** - First of the month storage in 17 **San Francisco Bay Region** reservoirs was 438 thousand acre-feet which is 95 percent of average. About 60 percent of available capacity was being used. Storage in these reservoirs at this time last year was 75 percent of average. First of the month storage in 6 **Central Coast Region** reservoirs was 179 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 35 percent of average.

## Runoff

October 1 to date in % of average



**RUNOFF** - Seasonal runoff of the Napa River in the **San Francisco Bay Region** totaled 31 thousand acre-feet which is 90 percent of average for this period. Last year, runoff for the same period was 0 percent of average. Seasonal runoff of streams draining the **Central Coast Region** totaled 45 thousand acre-feet which is less than 35 percent of average for this period. Last year runoff for this same period was less than 5 percent of average.

## **SOUTH COAST REGION**

**PRECIPITATION** - October through January (seasonal) precipitation on the **South Coast Region** was 80 percent of normal. January precipitation was 30 percent of the monthly average. Seasonal precipitation at this time last year was 25 percent of normal. Seasonal precipitation on the **Colorado River-Desert Region** was 60 percent of normal. Last year seasonal precipitation on the **Colorado River-Desert Region** was 50 percent of normal. Precipitation in January was 75 percent of average.

**RESERVOIR STORAGE** - February 1 storage in 29 major **South Coast Region** reservoirs was 912 thousand acre-feet or 65 percent of average. About 45 percent of available capacity was being used. Storage in these reservoirs at this time last year was 85 percent of average. On February 1 combined storage in Lakes Powell, Mead, Mohave and Havasu was about 24.2 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 60 percent of average.

**RUNOFF** - Seasonal runoff from selected **South Coast Region** streams is 7 thousand acre feet which is 45 percent of average.

## **COLORADO RIVER**

The April -July inflow to Lake Powell is forecast to be 5.2 million acre-feet, which is 73 percent of average. The February 1 snowpack in the Colorado River basin above Lake Powell was 85 percent of average, lowest in the Lower San Juan at 55 percent and highest in the Upper Green at 115 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	2014 1,000 AF	STORAGE AT END OF January		
				2015 1,000 AF	PERCENT AVERAGE	PERCENT CAPACITY
<i>STATE WATER PROJECT</i>						
Lake Oroville	3,538	2,317	1,262	1,444	62%	41%
San Luis Reservoir (SWP)	1,062	858	282	756	88%	71%
Lake Del Valle	77	31	30	35	111%	45%
Lake Silverwood	78	66	71	71	108%	91%
Pyramid Lake	180	163	168	168	103%	93%
Castaic Lake	325	270	279	114	42%	35%
Perris Lake	131	107	72	47	44%	35%
<i>CENTRAL VALLEY PROJECT</i>						
Trinity Lake	2,448	1,730	1,162	874	50%	36%
Lake Shasta	4,552	3,072	1,656	2,001	65%	44%
Whiskeytown Lake	241	205	205	205	100%	85%
Folsom Lake	977	508	164	448	88%	46%
New Melones Reservoir	2,400	1,423	1,046	563	40%	23%
Millerton Lake	520	333	196	186	56%	36%
San Luis Reservoir (CVP)	971	743	333	347	47%	36%
<i>COLORADO RIVER PROJECT</i>						
Lake Mead	26,159	19,607	12,531	10,729	55%	41%
Lake Powell	24,322	17,588	9,828	11,147	63%	46%
Lake Mohave	1,810	1,677	1,643	1,698	101%	94%
Lake Havasu	648	550	547	584	106%	90%
<i>EAST BAY MUNICIPAL UTILITY DISTRICT</i>						
Pardee Res	210	178	159	166	93%	79%
Camanche Reservoir	417	248	214	132	53%	32%
East Bay (4 res.)	159	125	103	111	89%	70%
<i>CITY AND COUNTY OF SAN FRANCISCO</i>						
Hetch-Hetchy Reservoir	360	172	191	233	135%	65%
Cherry Lake	268	144	204	168	117%	63%
Lake Eleanor	29	10	8	10	95%	33%
South Bay/Peninsula (4 res.)	227	159	117	134	84%	59%
<i>CITY OF LOS ANGELES (D.W.P.)</i>						
Lake Crowley	183	123	96	91	74%	50%
Grant Lake	48	28	30	17	59%	35%
Other Aqueduct Storage (6 res.)	83	75	55	59	79%	71%

# TELEMETERED SNOW WATER EQUIVALENTS

February 1, 2015

(AVERAGES BASED ON PERIOD RECORD)

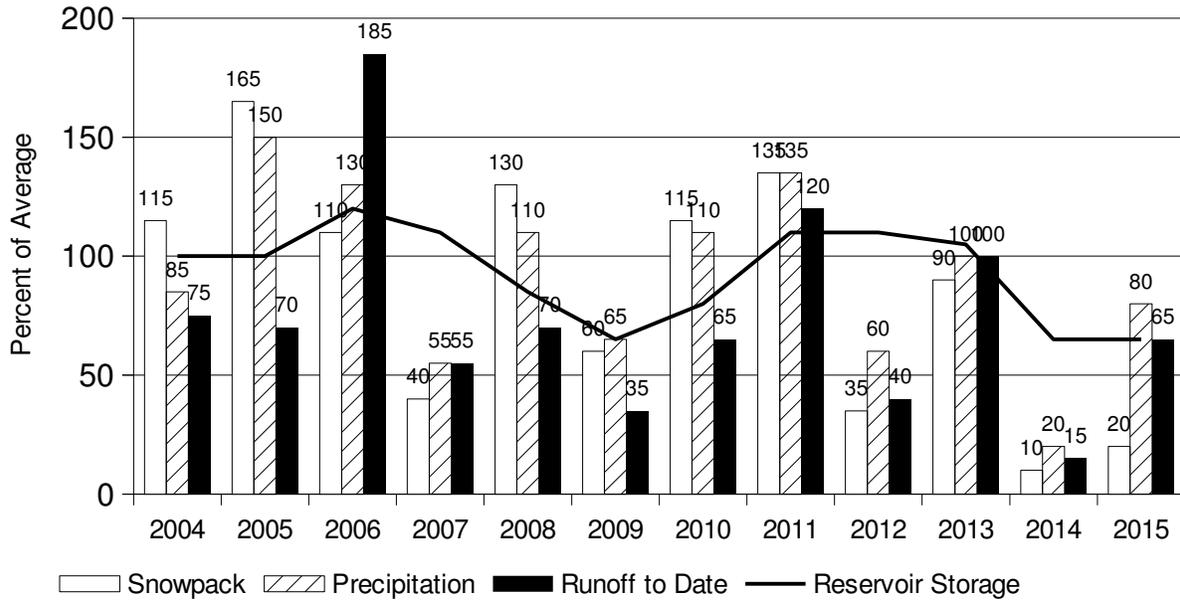
BASIN NAME	ELEV	INCHES OF WATER EQUIVALENT				
		APRIL 1 AVERAGE	PERCENT Feb 1 OF AVERAGE		24 HRS PREVIOUS	1 WEEK PREVIOUS
<b>TRINITY RIVER</b>						
Peterson Flat	7150'	29.2	3.1	10.7	3.1	3.4
Red Rock Mountain	6700'	39.6	5.1	13.0	4.8	5.0
Bonanza King	6450'	40.5	1.7	4.1	1.9	3.0
Shimmy Lake	6400'	40.3	8.3	20.5	8.8	9.7
Middle Boulder 3	6200'	28.3	1.1	4.0	1.6	2.5
Highland Lakes	6030'	29.9	1.6	5.2	1.9	3.7
Scott Mountain	5900'	16.0	0.0	0.0	0.0	0.0
Mumbo Basin	5650'	22.4	0.8	3.8	1.0	2.5
Big Flat	5100'	15.8	0.4	2.3	0.0	0.4
Crowder Flat	5100'	—	0.0	—	0.0	0.0
<b>SACRAMENTO RIVER</b>						
Cedar Pass	7100'	18.1	4.6	25.4	4.4	4.9
Blacks Mountain	7050'	12.7	—	—	—	—
Sand Flat	6750'	42.4	11.0	26.0	11.3	10.8
Medicine Lake	6700'	32.6	8.8	26.9	8.8	9.2
Adin Mountain	6200'	13.6	0.8	5.9	0.9	2.0
Snow Mountain	5950'	27.0	4.9	18.2	4.7	4.6
Slate Creek	5700'	29.0	2.2	7.4	2.2	3.7
Stouts Meadow	5400'	36.0	4.1	11.3	4.6	4.8
<b>FEATHER RIVER</b>						
Lower Lassen Peak	8250'	—	—	—	—	—
Kettle Rock	7300'	25.5	5.5	21.6	5.5	5.8
Grizzly Ridge	6900'	29.7	3.7	12.5	4.1	4.7
Pilot Peak	6800'	52.6	3.4	6.5	3.9	5.0
Gold Lake	6750'	36.5	8.9	24.3	8.9	8.8
Humbug	6500'	28.0	5.5	19.7	5.6	6.2
Harkness Flat	6200'	28.5	6.3	22.2	6.6	6.0
Rattlesnake	6100'	14.0	1.6	11.1	1.8	2.8
Bucks Lake	5750'	44.7	2.9	6.4	2.9	4.3
Four Trees	5150'	20.0	0.0	0.0	0.0	0.4
<b>EEL RIVER</b>						
Hull Mountain	6461'	—	0.0	—	0.0	0.0
Noel Spring	5100'	—	0.0	—	0.0	0.0
<b>YUBA &amp; AMERICAN RIVERS</b>						
Schneiders	8750'	34.5	11.3	32.7	11.3	11.2
Lake Lois	8600'	39.5	13.8	34.8	14.7	12.0
Carson Pass	8353'	—	7.7	—	7.6	7.4
Caples Lake	8000'	30.9	5.6	18.3	5.8	6.0
Alpha	7600'	35.9	1.7	4.7	1.5	2.3
Forni Ridge	7600'	37.0	2.4	6.5	2.5	3.7
Meadow Lake	7200'	55.5	10.0	18.0	10.3	10.7
Silver Lake	7100'	22.7	3.0	13.2	2.8	2.3
Central Sierra Snow Lab	6900'	33.6	4.4	13.1	4.9	5.6
Van Vleck	6700'	35.9	5.3	14.7	5.3	5.3
Huysink	6600'	42.6	2.2	5.1	2.2	2.5
Robinson Cow Camp	6480'	—	—	—	—	—
Robbs Saddle	5900'	21.4	1.0	4.7	1.0	1.6
Greek Store	5600'	21.0	2.2	10.3	2.3	3.0
Blue Canyon	5280'	9.0	0.0	0.0	0.1	0.8
Robbs Powerhouse	5150'	5.2	0.0	0.0	0.0	0.0
<b>MOKELUMNE &amp; STANISLAUS RIVERS</b>						
Deadman Creek	9250'	37.2	5.7	15.3	5.7	5.0
Highland Meadow	8700'	47.9	5.3	11.0	5.3	5.6
Gianelli Meadow	8400'	55.5	9.8	17.7	9.8	10.1
Lower Relief Valley	8100'	41.2	6.3	15.4	6.8	6.3
Blue Lakes	8000'	33.1	6.3	19.0	6.2	6.0
Stanislaus Meadow	7750'	47.5	8.9	18.7	8.8	8.8
Bloods Creek	7200'	35.5	4.0	11.2	4.0	3.8
Black Springs	6500'	32.0	1.6	4.9	1.6	2.2
<b>TUOLUMNE &amp; MERCED RIVERS</b>						
Dana Meadows	9800'	27.7	5.3	19.1	5.4	5.1
Slide Canyon	9200'	41.1	11.3	27.5	11.5	11.2
Tuolumne Meadows	8600'	22.6	2.8	12.2	2.8	2.3
Horse Meadow	8400'	48.6	8.1	16.7	8.3	—
Ostrander Lake	8200'	34.8	4.2	12.0	4.4	4.0
Lake Tenaya	8150'	33.1	—	—	—	—
White Wolf	7900'	—	—	—	—	—
Paradise Meadow	7650'	41.3	1.4	3.3	1.3	1.3
Gin Flat	7050'	34.2	1.4	4.2	1.2	1.7
Lower Kibbie Ridge	6700'	27.4	0.4	1.4	0.4	0.4

<b>SAN JOAQUIN RIVER</b>							
Volcanic Knob	10050'	30.1	4.9	16.3	4.9	4.8	
Agnew Pass	9450'	32.3	6.1	18.9	5.8	5.7	
Kaiser Point	9200'	37.8	5.5	14.6	5.5	5.5	
Green Mountain	7900'	30.8	2.4	7.8	2.5	2.2	
Tamarack Summit	7550'	30.5	2.8	9.0	2.9	2.9	
Chilkoot Meadow	7150'	38.0	3.0	7.9	2.9	3.0	
Huntington Lake	7000'	20.1	3.5	17.3	3.2	3.4	
Graveyard Meadow	6900'	18.8	1.4	7.7	1.6	2.2	
Poison Ridge	6900'	28.9	2.9	10.0	2.9	3.0	
<b>KINGS RIVER</b>							
Bishop Pass	11200'	34.0	3.0	8.8	3.0	3.0	
Charlotte Lake	10400'	27.5	—	—	—	—	
Blackcap Basin	10300'	34.3	16.4	47.7	16.6	16.6	
Mitchell Meadow	9900'	32.9	7.9	24.1	7.9	7.8	
Upper Burnt Corral	9700'	34.6	7.5	21.7	7.9	7.2	
West Woodchuck Meadow	9100'	32.8	1.1	3.3	1.1	1.6	
Big Meadows	7600'	25.9	2.3	8.8	2.5	3.4	
<b>KAWEAH &amp; TULE RIVERS</b>							
Farewell Gap	9500'	34.5	—	—	—	—	
Quaking Aspen	7200'	21.0	2.8	13.1	2.9	3.0	
Giant Forest	6650'	10.0	—	—	—	—	
<b>KERN RIVER</b>							
Upper Tyndall Creek	11400'	27.7	2.7	9.7	2.6	2.6	
Crabtree Meadow	10700'	19.8	—	—	—	—	
Chagoopa Plateau	10300'	21.8	3.3	15.3	3.5	3.6	
Pascoes	9150'	24.9	5.0	20.2	4.9	3.8	
Wet Meadows	8950'	30.3	2.5	8.2	2.5	2.7	
Tunnel Guard Station	8900'	15.6	0.0	0.0	0.1	1.2	
Casa Vieja Meadows	8300'	20.9	3.9	18.7	3.9	3.4	
<b>SURPRISE VALLEY AREA</b>							
Dismal Swamp	7050'	29.2	12.2	41.8	12.3	11.9	
<b>TRUCKEE RIVER</b>							
Big Meadows	8700'	25.7	4.6	17.9	4.7	4.7	
Independence Lake	8450'	41.4	12.0	29.0	12.0	11.9	
Squaw Valley	8200'	46.5	11.3	24.3	11.3	11.0	
Independence Camp	7000'	21.8	0.0	0.0	0.0	0.3	
Independence Creek	6500'	12.7	0.0	0.0	0.0	0.6	
Truckee 2	6400'	14.3	2.1	14.7	2.2	2.5	
<b>LAKE TAHOE BASIN</b>							
Mount Rose Ski Area	8900'	38.5	8.6	22.3	8.5	8.5	
Heavenly Valley	8800'	28.1	4.0	14.2	4.2	3.8	
Hagans Meadow	8000'	16.5	1.1	6.7	1.6	2.2	
Marlette Lake	8000'	21.1	4.6	21.8	4.9	4.4	
Echo Peak 5	7800'	39.5	7.3	18.5	7.2	7.3	
Tahoe City Cross	6750'	16.0	0.0	0.0	0.0	0.0	
Fallen Leaf Lake	6250'	7.0	0.0	0.0	0.0	0.1	
<b>CARSON RIVER</b>							
Ebbetts Pass	8700'	38.8	9.1	23.5	9.1	7.7	
Horse Meadow	8557'	—	3.9	—	3.8	3.8	
Monitor Pass	8350'	—	2.5	—	2.5	2.3	
Burnside Lake	8129'	—	6.0	—	5.9	5.7	
Forestdale Creek	8017'	—	7.4	—	7.4	7.1	
Poison Flat	7900'	16.2	3.4	21.0	3.4	2.6	
Spratt Creek	6150'	4.5	0.2	4.4	0.3	0.3	
<b>WALKER RIVER</b>							
Leavitt Lake	9600'	—	16.7	—	16.7	16.6	
Summit Meadow	9313'	—	4.6	—	4.6	4.4	
Virginia Lakes	9300'	20.3	2.2	10.8	2.1	2.0	
Lobdell Lake	9200'	17.3	2.8	16.2	2.9	2.5	
Sonora Pass Bridge	8750'	26.0	3.8	14.6	3.9	3.9	
Leavitt Meadows	7200'	8.0	0.0	0.0	0.0	0.0	
<b>OWENS RIVER/MONO LAKE</b>							
Gem Pass	10750'	31.7	3.6	11.2	3.6	3.2	
Sawmill	10200'	19.4	2.1	10.8	2.1	2.2	
Cottonwood Lakes	10150'	11.6	4.7	40.5	4.7	4.6	
Big Pine Creek	9800'	17.9	1.2	6.6	1.2	1.2	
Rock Creek Lakes	9700'	14.0	2.4	17.1	2.6	3.1	
South Lake	9600'	16.0	2.7	17.0	2.7	2.7	
Mammoth Pass	9300'	42.4	4.4	10.4	4.6	4.4	

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%

## February 1 Statewide Conditions



## 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 month's cover is a photo of the new cabin at Crabtree Meadows in Sequoia Kings National Park.

**Pat Armstrong**, one of the Department's longest serving snow surveyors has a written a book chronicling his adventures over many years making manual snow survey measurements in the Southern Sierra and includes many reminiscences from Murt Stewart and others who started making these surveys as long ago as 1948. The book is available for order on line at <http://bookstore.abbottpress.com/Products/SKU-000693689/The-Log-of-a-Snow-Survey.aspx>.