Summary of Water Conditions
April 1, 2015

March precipitation was much below normal, which combined with clear sunny weather resulted in significant snowpack loss. This year's snowpack, only 5 percent of the average for April 1, ranks by far the lowest measured in history and far less than the previous lows of about 25 percent last year and also in 1977. Statewide reservoir storage came up a little during the month and is about the same as last year, but less in the south, especially in the San Joaquin-Tulare Lake regions. Water storage is expected to decline more rapidly than usual during the next 2 months because of the lack of snowmelt runoff. With only 15 percent of the rainfall season left, we will have to wait until next year for any improvement in the drought. The best we can hope for is a wet spring to ease some of its effects this year.

Forecasts of median statewide April through July and water year runoff have been decreased to 25 and 40 percent respectively. The southern Sierra is especially dry.

Snowpack is by far the lowest of record at only 5 percent of average. Most of the Sierra Nevada was bare on April 1.

Precipitation from October through March is about 75 percent of average compared to only 50 percent at this time last year. A couple of major rainstorms during early December and February did boost water storage some in the northern half of California, but they were weaker in the south.

Runoff so far this water year has been about 60 percent of average compared to only 35 percent last year. But March runoff has only been about 25 percent of average. Estimated runoff of the eight major rivers of the Sacramento-San Joaquin River region in March was 0.84 million acre-feet.

Reservoir storage was nearly 70 percent of average overall, almost the same as one year ago. The gain during March was much less than usual. Reservoirs are especially low in a wide band across the central part of California.

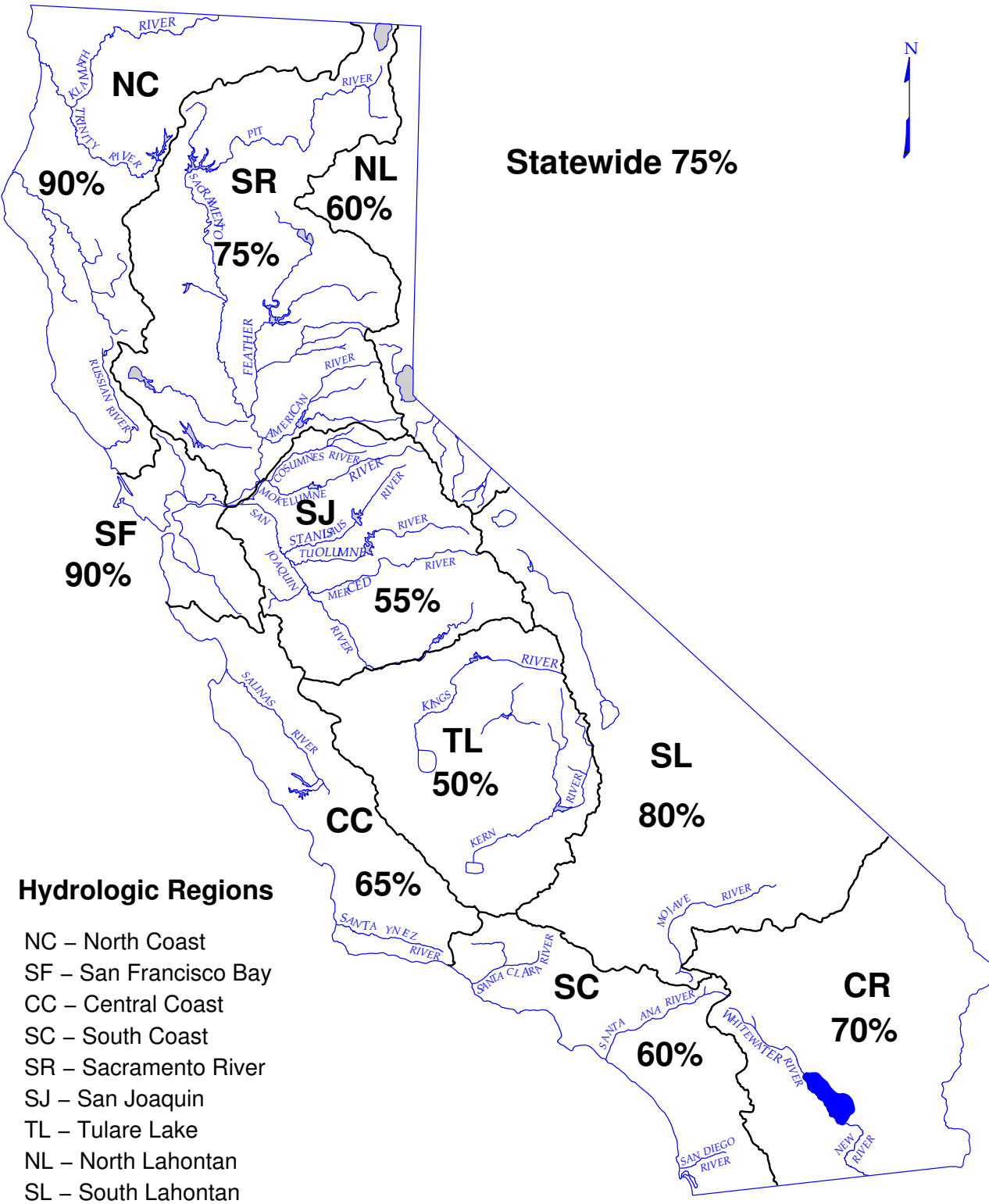
SUMMARY OF WATER CONDITIONS
IN PERCENT OF AVERAGE

HYDROLOGIC REGION	PRECIPITATION OCTOBER 1 TO DATE	April 1 SNOW WATER CONTENT	April 1 RESERVOIR STORAGE	RUNOFF OCTOBER 1 TO DATE	APR-JULY RUNOFF FORECAST	WATER YEAR RUNOFF FORECAST
NORTH COAST	90	5	65	70	25	70
SAN FRANCISCO BAY	90	--	85	65	--	--
CENTRAL COAST	65	--	30	30	--	--
SOUTH COAST	60	--	55	25	--	--
SACRAMENTO RIVER	75	>5	80	65	30	50
SAN JOAQUIN RIVER	55	5	60	35	20	25
TULARE LAKE	50	5	40	30	15	20
NORTH LAHONTAN	60	10	15	55	20	30
SOUTH LAHONTAN	80	5	85	60	20	35
COLORADO RIVER-DESERT	70	--	--	--	--	--
STATEWIDE	75	5	70	60	25	40

DEPARTMENT OF WATER RESOURCES
CALIFORNIA COOPERATIVE SNOW SURVEYS
SEASONAL PRECIPITATION

IN PERCENT OF AVERAGE TO DATE

October 1, 2014 through March 31, 2015

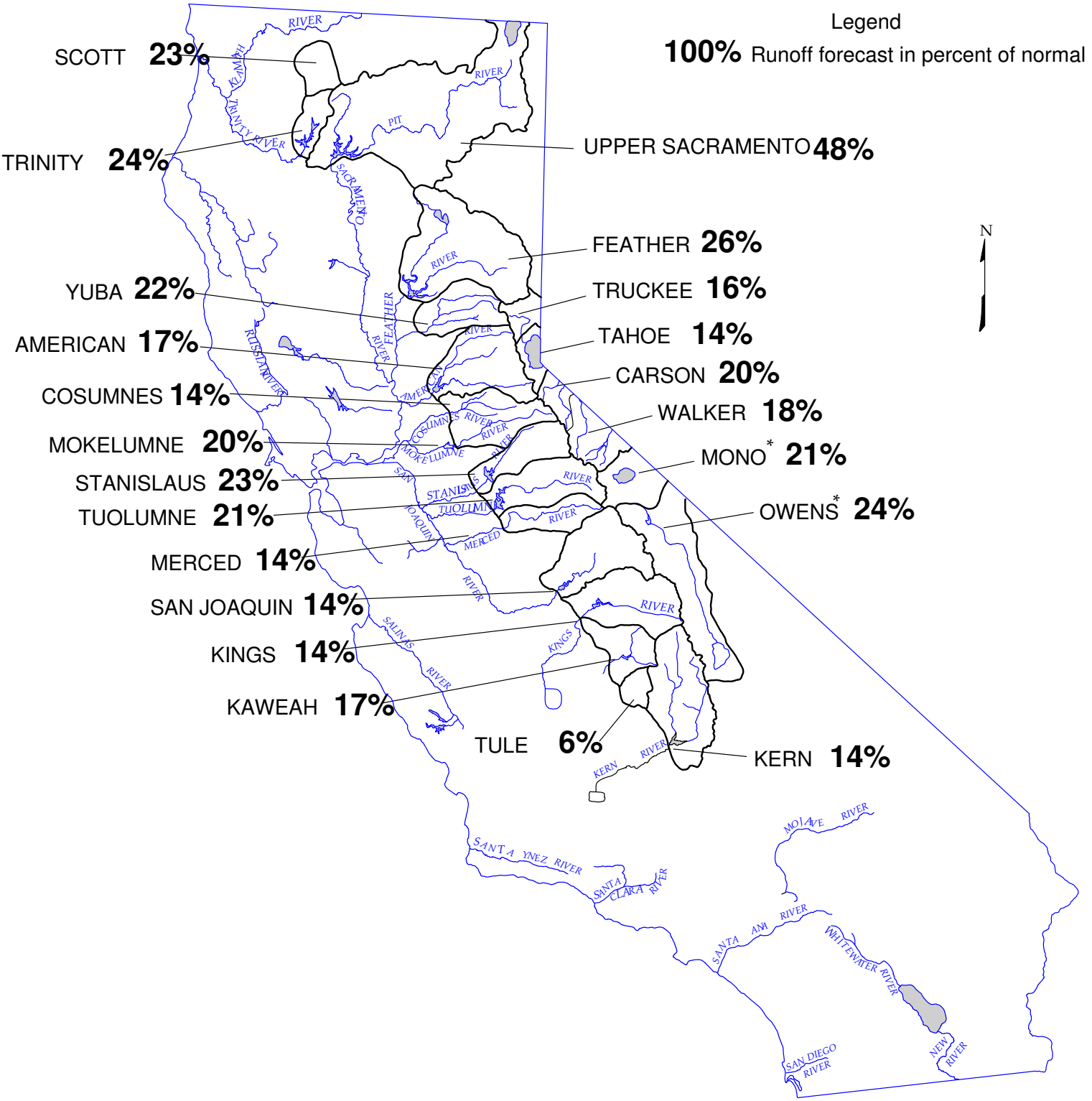


Hydrologic Regions

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
April 1, 2015



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

APRIL 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)
North Coast						
Trinity River at Lewiston Lake	651	1,593	80	**155**	24%	75 - 380
SACRAMENTO RIVER						
Upper Sacramento River						
Sacramento River at Delta above Shasta Lake	302	751	39	90	30%	
McCloud River above Shasta Lake	392	850	185	195	50%	
Pit River near Montgomery Creek + Squaw Creek	1,046	2,098	480	560	54%	
Total Inflow to Shasta Lake	1,806	3,525	726	**860**	48%	600 - 1,490
Sacramento River above Bend Bridge, near Red Bluff	2,485	5,117	943	**1,190**	48%	800 - 1,800
Feather River						
Feather River at Lake Almanor near Prattville (3)	333	675	120	100	30%	
North Fork at Pulga (3)	1,028	2,416	243	270	26%	
Middle Fork near Clio (4)	86	518	4	20	23%	
South Fork at Ponderosa Dam (3)	110	267	13	25	23%	
Feather River at Oroville	1,758	4,676	392	**460**	26%	320 - 1,110
Yuba River						
North Yuba below Goodyears Bar	279	647	51	60	22%	
Inflow to Jackson Mdws and Bowman Reservoirs (3)	112	236	25	30	27%	
South Yuba at Langs Crossing (3)	233	481	57	60	26%	
Yuba River near Smartsville plus Deer Creek	996	2,424	200	**220**	22%	145 - 550
American River						
North Fork at North Fork Dam (3)	262	716	43	40	15%	
Middle Fork near Auburn (3)	522	1,406	100	80	15%	
Silver Creek Below Camino Diversion Dam (3)	173	386	37	30	17%	
American River below Folsom Lake	1,231	3,074	229	**210**	17%	165 - 650
SAN JOAQUIN RIVER						
Cosumnes River at Michigan Bar	128	446	8	**18**	14%	7 - 75
Mokelumne River						
North Fork near West Point (5)	437	829	104	90	21%	
Total Inflow to Pardee Reservoir	468	1,076	102	**95**	20%	65 - 220
Stanislaus River						
Middle Fork below Beardsley Dam (3)	334	702	64	80	24%	
North Fork Inflow to McKays Point Dam (3)	224	503	34	50	22%	
Stanislaus River below Goodwin Reservoir (9)	699	1,710	116	**160**	23%	75 - 370
Tuolumne River						
Cherry Creek & Eleanor Creek near Hetch Hetchy	315	727	97	70	22%	
Tuolumme River near Hetch Hetchy	604	1,392	153	150	25%	
Tuolumne River below La Grange Reservoir (9)	1,221	2,682	301	**260**	21%	175 - 490
Merced River						
Merced River at Pohono Bridge	372	888	80	60	16%	
Merced River below Merced Falls (9)	636	1,587	123	**90**	14%	65 - 270
San Joaquin River						
San Joaquin River at Mammoth Pool (7)	1,026	2,279	235	150	15%	
Big Creek below Huntington Lake (8)	91	264	11	10	11%	
South Fork near Florence Lake (7)	201	511	58	30	15%	
San Joaquin River inflow to Millerton Lake	1,258	3,355	262	**170**	14%	135 - 420
TULARE LAKE						
Kings River						
North Fork Kings River near Cliff Camp (3)	239	565	50	30	13%	
Kings River below Pine Flat Reservoir	1,236	3,113	274	**175**	14%	140 - 400
Kaweah River below Terminus Reservoir	290	814	62	**50**	17%	35 - 110
Tule River below Lake Success	64	259	2	**4**	6%	1 - 26
Kern River						
Kern River near Kernville	384	1,203	83	60	16%	
Kern River inflow to Lake Isabella	465	1,657	84	**65**	14%	45 - 170

(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

APRIL 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	67	65	66	21	3	0	0	**934**	68%	854 -	1,170
876	1,965	165													
1,200	2,353	557													
3,082	5,150	1,484													
5,979	10,796	2,479	1,621	720	273	285	250	170	155	155	146	**3,775**	63%	3,465 -	4,515
8,727	17,180	3,294	2,652	1,068	348	425	320	245	200	183	179	**5,620**	64%	5,150 -	6,350
780	1,269	366													
2,417	4,400	666													
219	637	24													
291	562	32													
4,523	9,492	994	916	442	157	170	135	85	70	62	53	**2,090**	46%	1,920 -	2,770
564	1,056	102													
181	292	30													
379	565	98													
2,329	4,926	369	398	204	102	105	80	25	10	3	3	**930**	40%	850 -	1,280
616	1,234	66													
1,070	2,575	144													
318	705	59													
2,683	6,382	349	332	242	86	105	85	20	0	0	0	**870**	32%	825 -	1,320
385	1,253	20	22	38	9	10	6	2	0	0	0	**87**	23%	76 -	145
626	1,009	197													
763	1,848	129	43	65	30	36	45	12	2	0	0	**233**	31%	203 -	360
471	929	88													
1,167	2,952	155	64	92	37	80	61	15	4	0	0	**353**	30%	268 -	570
461	1,147	123													
770	1,661	258													
1,943	4,631	383	106	114	57	95	125	30	10	2	1	**540**	28%	452 -	770
461	1,020	92													
1,007	2,787	150	22	25	19	35	39	13	3	0	0	**156**	15%	131 -	340
1,337	2,964	308													
112	298	14													
248	653	71													
1,831	4,642	362	47	43	34	55	70	30	15	8	3	**305**	17%	265 -	565
284	607	58													
1,729	4,287	386	49	46	42	65	75	25	10	3	5	**320**	19%	280 -	555
456	1,402	94	15	17	13	20	23	5	2	1	1	**97**	21%	81 -	160
147	615	16	4	3	1	2	2	0	0	0	0	**12**	8%	9 -	34
558	1,577	163													
733	2,318	175	36	15	13	20	20	17	8	6	5	**140**	19%	115 -	255

(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

APRIL 1, 2015 FORECASTS
APRIL-JULY UNIMPAIRED RUNOFF

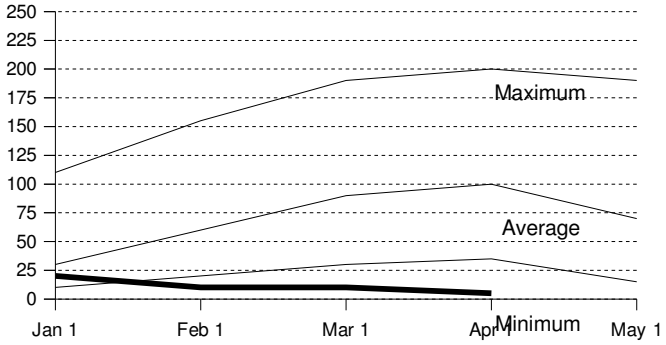
HYDROLOGIC REGION and Watershed	Apr-Jul Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL 50 Yr Avg (2)	Max of Record	Min of Record	FORECAST Apr-Jul Forecasts	Pct of Avg
NORTH COAST					
Scott River					
Scott River nr Ft Jones (3)	173	398	22	**39**	23%
Klamath River					
Total inflow to Upper Klamath Lake (4)	475	1,151	149	**345**	73%
NORTH LAHONTAN					
Truckee River					
Lake Tahoe to Farad accretions	256	713	52	**40**	16%
Lake Tahoe Rise (assuming gates closed, ft)	1.4	5.4	0.2	**0.2**	14%
Carson River					
West Fork Carson River at Woodfords	53	135	12	**8**	15%
East Fork Carson River near Gardnerville	186	407	43	**40**	22%
Walker River					
West Walker River below Little Walker, near Coleville	155	330	35	**32**	21%
East Walker River near Bridgeport	63	209	7	**7**	11%
SOUTH LAHONTAN					
Owens River					
Total tributary flow to Owens River (5)	235	579	96	**67**	28%

(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
.

NORTH COAST REGION

Snowpack Accumulation

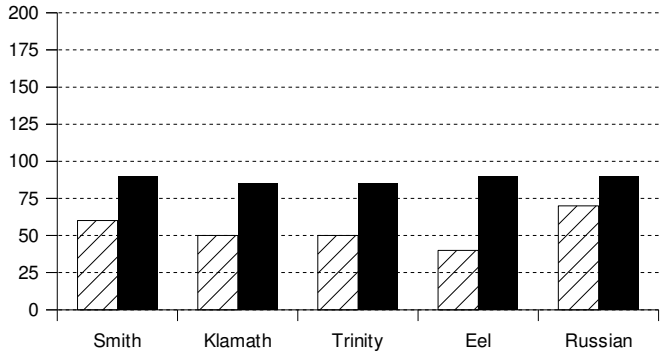
Water Content in % of April 1 Average



SNOWPACK- First of the month measurements made at 18 snow courses indicate an area wide snow water equivalent of 1.2 inches. This is less than 5 percent of the April 1 average. Last year at this time the pack was holding 3.1 inches of water.

Precipitation

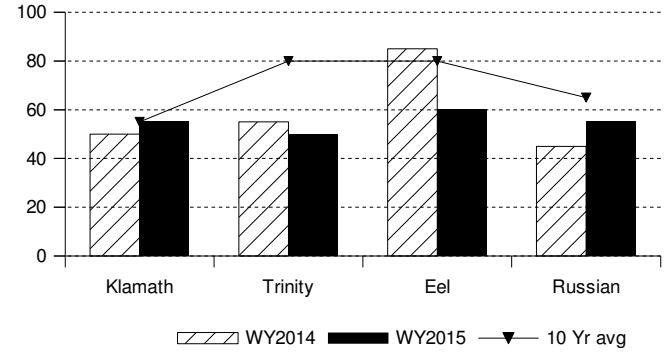
October 1 to date in % of Average



PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on this area was 90 percent of normal. Precipitation last month was about 45 percent of the monthly average. Seasonal precipitation at this time last year stood at 55 percent of normal.

Reservoir Storage

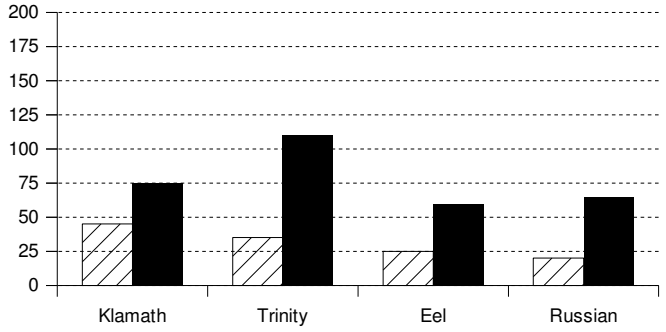
Contents of major reservoirs in % of capacity



RESERVOIR STORAGE- First of the month storage in 6 reservoirs was 1.6 million acre-feet which is 65 percent of average. About 50 percent of available capacity was being used. Storage in these reservoirs at this time last year was 65 percent of average.

Runoff

October 1 to date in % of average

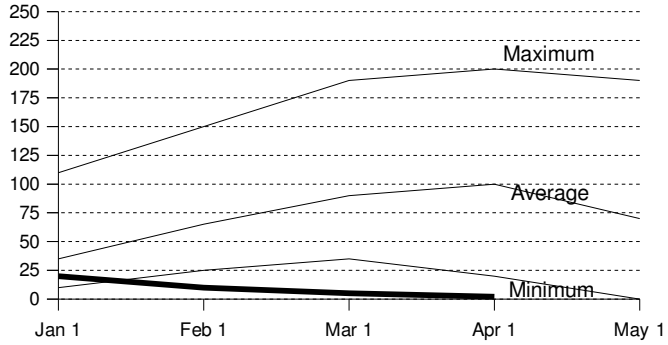


RUNOFF -Seasonal runoff of streams draining the area totaled 6.5 million acre-feet which is 70 percent of the average for this period. Last year, runoff for the same period was 30 percent of average.

SACRAMENTO RIVER REGION

Snowpack Accumulation

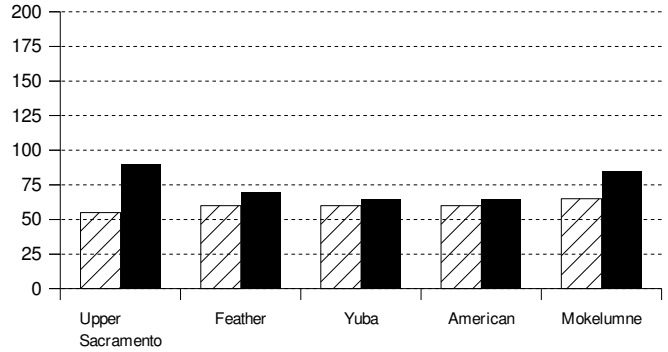
Water Content in % of April 1 Average



SNOWPACK- First of the month measurements made at 77 snow courses indicate an area wide snow water equivalent of 1.3 inches. This is 2 percent of the April 1 average. Last year at this time the pack was holding 6.6 inches of water.

Precipitation

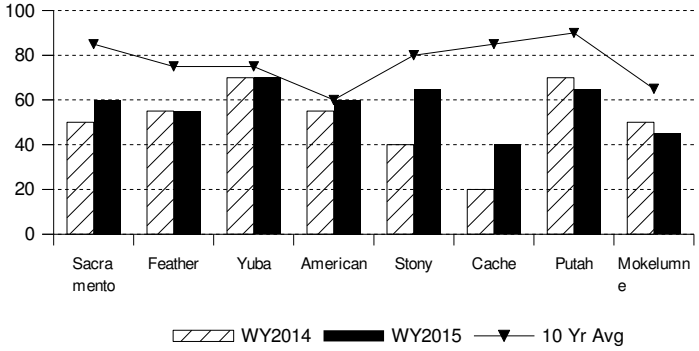
October 1 to date in % of Average



PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on this area was 75 percent of normal. Precipitation last month was about 15 percent of the monthly average. Seasonal precipitation at this time last year stood at 55 percent of normal.

Reservoir Storage

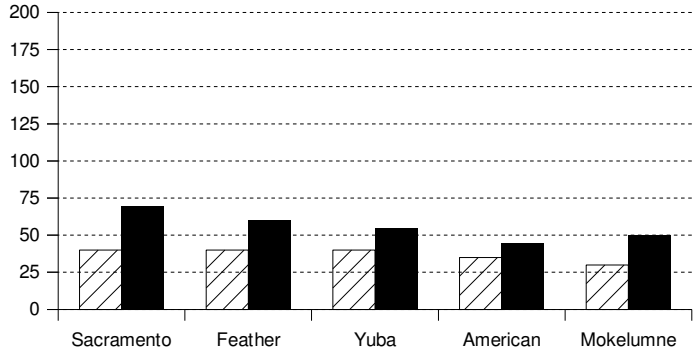
Contents of major reservoirs in % of capacity



RESERVOIR STORAGE- First of the month storage in 43 reservoirs was 9.7 million acre-feet which is 80 percent of average. About 60 percent of available capacity was being used. Storage in these reservoirs at this time last year was 70 percent of average.

Runoff

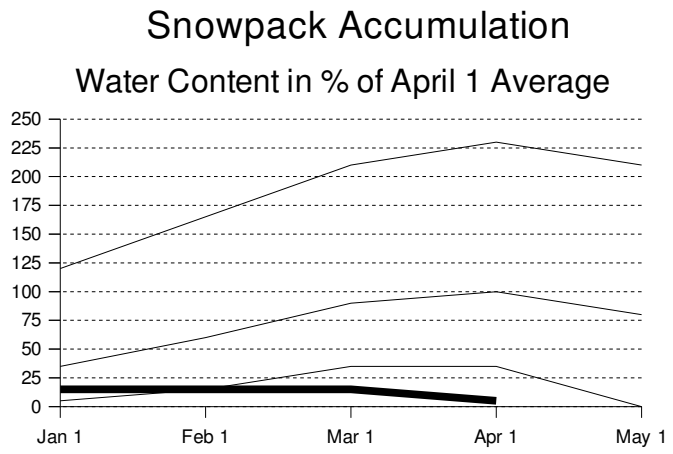
October 1 to date in % of average



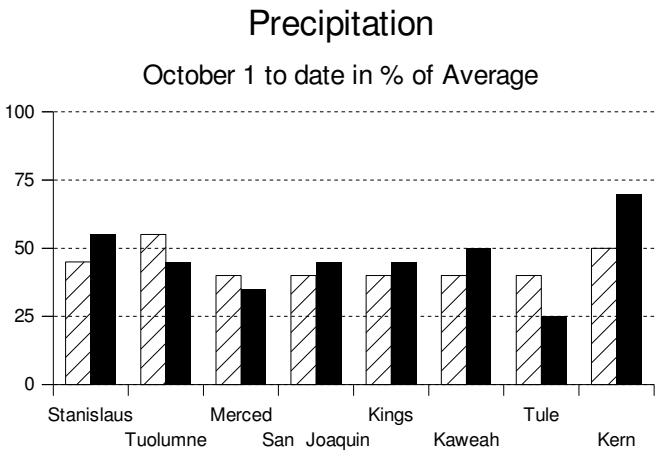
RUNOFF - Seasonal runoff of streams draining the are totaled 6.9 million acre-feet which is 65 percent of average for this period. Last year, runoff for the same period was 40 percent of average.

The **Sacramento Region 40-30-30 Water Supply Index** is forecast to be 4.1 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.

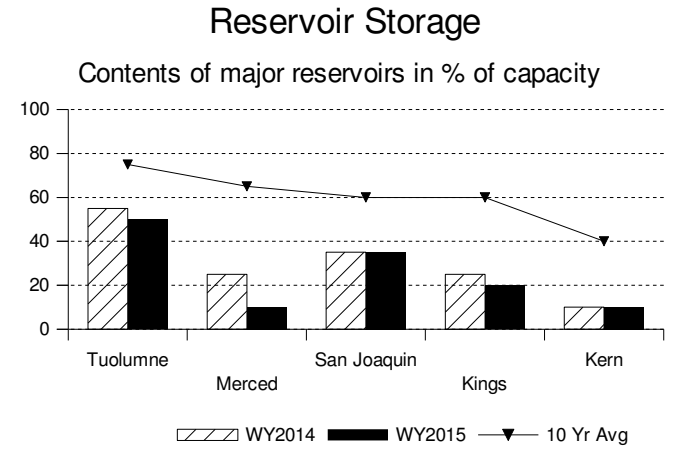
SAN JOAQUIN RIVER AND TULARE LAKE REGIONS



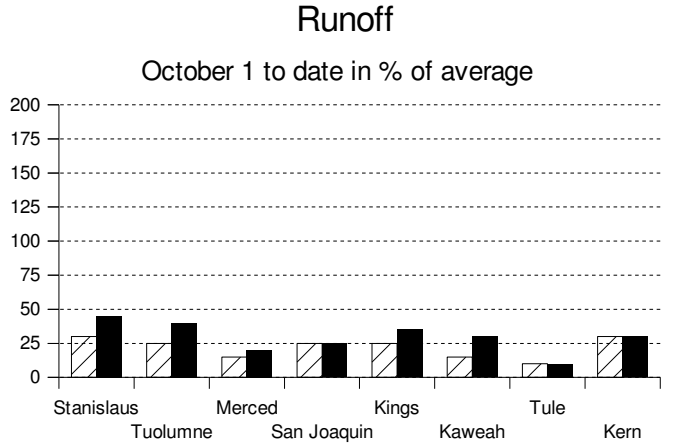
SNOWPACK- First of the month measurements made at 71 **San Joaquin Region** snow courses indicate an area wide snow water equivalent of 2.4 inches. This is 5 percent of the April 1 average. Last year at this time the pack was holding 11.4 inches of water. At the same time 44 **Tulare Lake Region** snow courses indicated a basin-wide snow water equivalent of 1.6 inches which is 5 percent of the average for April 1. Last year at this time the basin was holding 7.4 inches of water.



PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **San Joaquin Region** was 55 percent of normal. Precipitation last month was about 10 percent of the monthly average. Seasonal precipitation at this time last year stood at 45 percent of normal. Seasonal precipitation on the **Tulare Lake Region** was 50 percent of normal. Precipitation last month was about 10 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 60 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. First of the month storage in 6 **Tulare Lake Region** reservoirs was 377 thousand acre-feet which is 40 percent of average and about 20 percent of available capacity. Storage in these reservoirs at this time last year was 45 percent of average.

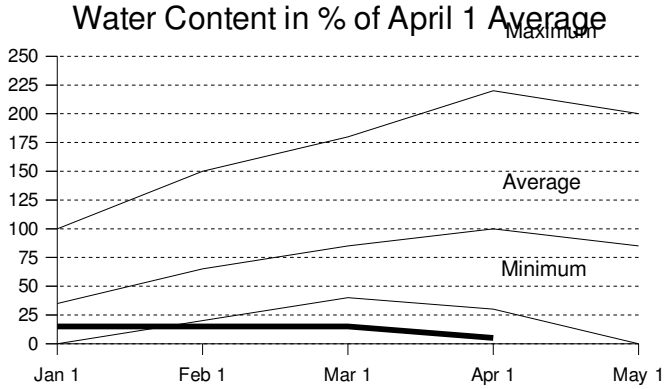


RUNOFF- Seasonal runoff of streams draining the **San Joaquin Region** totaled 867 thousand acre-feet which is 35 percent of average for this period. Last year, runoff for the same period was 30 percent of average. Seasonal runoff of streams draining the **Tulare Lake Basin** totaled 254 thousand acre-feet which is 30 percent of average for this period. Last year runoff for this same period was 30 percent of average.

The **San Joaquin River Region 60-20-20 Water Supply Index** is forecast to be .7 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.

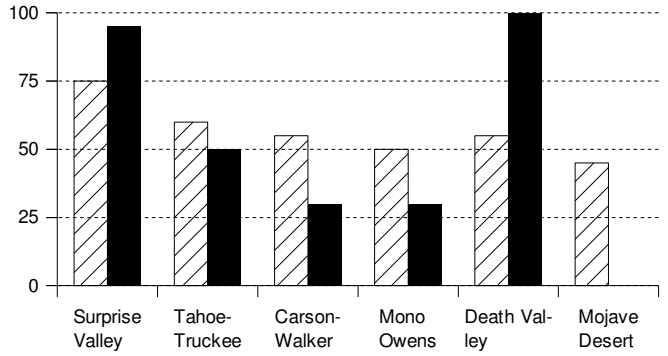
Snowpack Accumulation

Water Content in % of April 1 Average



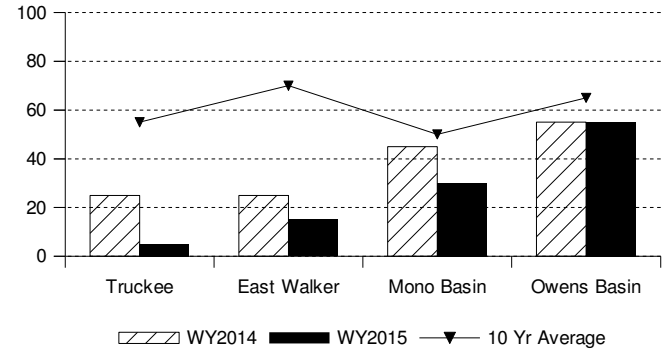
Precipitation

October 1 to date in % of Average



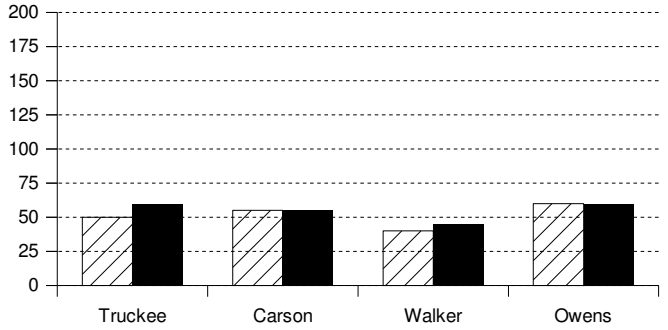
Reservoir Storage

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 17 **North Lahontan snow** courses indicate an area wide snow water equivalent of 3.8 inches. This is 10 percent of the April 1 average. Last year at this time the pack was holding 9.2 inches of water. At the same time 19 **South Lahontan Region** snow courses indicated a basin-wide snow water equivalent of 1.9 inches which is 7 percent of the average for April 1. Last year at this time the basin was holding 9.0 inches of water.

PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **North Lahontan** was 60 percent of normal. Precipitation last month was about 20 percent of the monthly average. Seasonal precipitation at this time last year stood at 60 percent of normal.

Seasonal precipitation on the **South Lahontan** was 70 percent of normal. Precipitation last month was 20 percent of the monthly average. Seasonal precipitation at this time last year stood at 50 percent of normal.

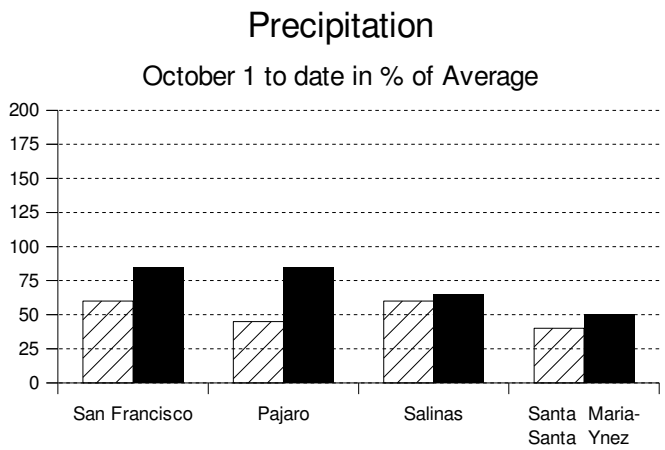
RESERVOIR STORAGE- First of the month storage in 5 **North Lahontan** reservoirs was 74 thousand acre-feet which is 15 percent of average. About 5 percent of available capacity was being used. Storage in these reservoirs at this time last year was 50 percent of average. Lake Tahoe was .22 feet below its natural rim on April 1.

First of the month storage in 8 **South Lahontan** reservoirs was 226 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 158 thousand acre-feet which is 55 percent of average for this period. Last year, runoff for the same period was 50 percent of average.

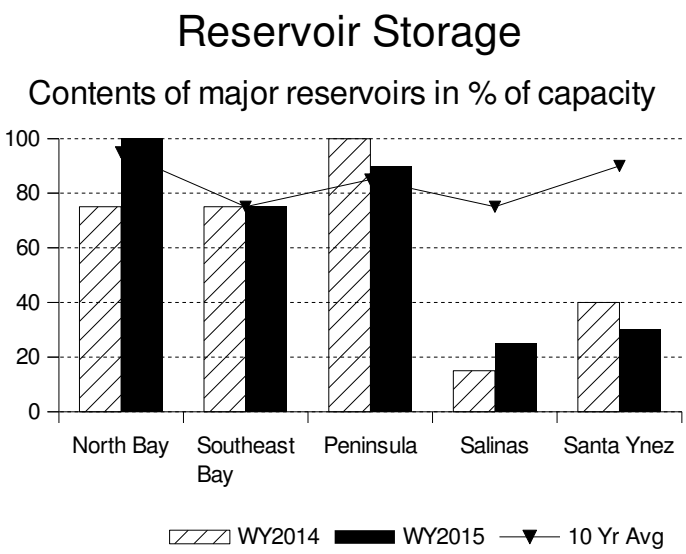
Seasonal runoff of the Owens River in the **South Lahontan** totaled 40 thousand acre-feet which is 60 percent of average for this period. Last year runoff for this same period was 60 percent of average.

SAN FRANCISCO BAY AND CENTRAL COAST REGIONS



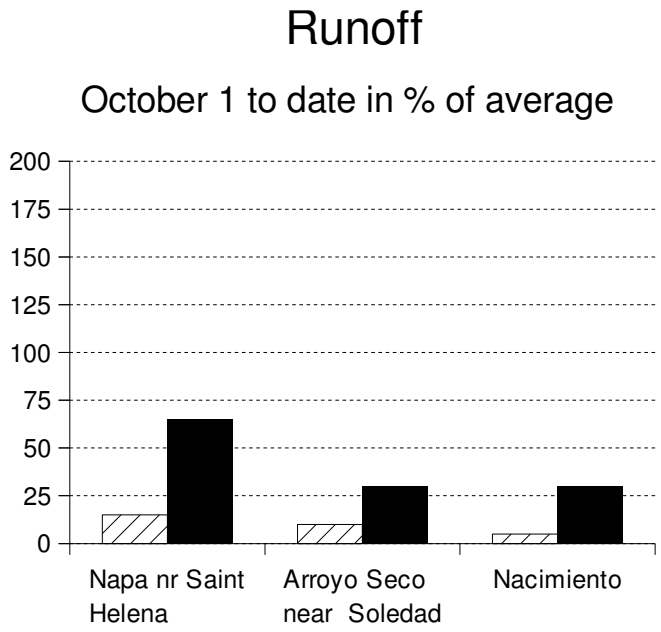
PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **San Francisco Bay Region** was 90 percent of normal. Precipitation last month was 10 percent of the monthly average. Seasonal precipitation at this time last year stood at 55 percent of normal.

Seasonal precipitation on the **Central Coast 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 45 percent of normal.



RESERVOIR STORAGE- First of the month storage in 14 **San Francisco Bay Region** reservoirs was 444 thousand acre-feet which is 85 percent of average. About 65 percent of available capacity was being used. Storage in these reservoirs at this time last year was 85 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 41 thousand acre-feet which is 65 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 85 thousand acre-feet which is 30 percent of average for this period. Last year runoff for this same period was 5 percent of average.

SOUTH COAST AND COLORADO RIVER REGIONS

PRECIPITATION - October through March (seasonal) precipitation on the **South Coast Region** is 60 percent of normal. March precipitation was 30 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** is 70 percent of normal. March precipitation was 250 percent of the monthly average. Seasonal precipitation at this time last year stood at 35 percent of average.

RESERVOIR STORAGE – March 31 storage in 29 major **South Coast Region** reservoirs is 864 thousand acre-feet or 55 percent of average. About 40 percent of available capacity is being used. Storage in these reservoirs at this time last year was 80 percent of average.
On March 31 combined storage in Lakes Powell, Mead, Mohave and Havasu was about 23.6 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 totaled 39 thousand acre-feet which is 25 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 3.75 million acre-feet, which is 52 percent of average. The April 1 snowpack in the Colorado River basin above Lake Powell is 57 percent, highest in the Upper Green at 70 percent and lowest in the Colorado Plateau at less than 5 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 March 2015 1,000 AF	PERCENT AVERAGE	PERCENT CAPACITY
STATE WATER PROJECT						
Lake Oroville	3,538	2,696	1,716	1,794	67%	51%
San Luis Reservoir (SWP)	1,062	979	388	959	98%	90%
Lake Del Valle	77	37	39	37	98%	47%
Lake Silverwood	78	67	70	68	101%	87%
Pyramid Lake	180	164	168	166	101%	92%
Castaic Lake	325	292	268	93	32%	29%
Perris Lake	131	111	69	50	45%	38%
CENTRAL VALLEY PROJECT						
Trinity Lake	2,448	1,927	1,307	1,191	62%	49%
Lake Shasta	4,552	3,691	2,199	2,689	73%	59%
Whiskeytown Lake	241	212	209	205	97%	85%
Folsom Lake	977	628	436	572	91%	58%
New Melones Reservoir	2,400	1,510	1,037	553	37%	23%
Millerton Lake	520	366	168	205	56%	39%
San Luis Reservoir (CVP)	971	868	468	395	46%	41%
COLORADO RIVER PROJECT						
Lake Mead	26,159	19,525	11,888	10,913	63%	41%
Lake Powell	24,322	17,349	9,497	10,419	53%	42%
Lake Mohave	1,810	1,677	1,661	1,693	101%	93%
Lake Havasu	648	557	562	578	104%	89%
EAST BAY MUNICIPAL UTILITY DISTRICT						
Pardee Res	210	182	161	176	97%	84%
Camanche Reservoir	417	262	191	116	44%	28%
East Bay (4 res.)	159	134	118	111	83%	70%
CITY AND COUNTY OF SAN FRANCISCO						
Hetch-Hetchy Reservoir	360	149	187	251	168%	70%
Cherry Lake	268	142	225	188	132%	70%
Lake Eleanor	29	12	23	19	159%	67%
South Bay/Peninsula (4 res.)	227	176	134	139	78%	61%
CITY OF LOS ANGELES (D.W.P.)						
Lake Crowley	183	130	103	101	78%	55%
Grant Lake	48	28	29	16	56%	33%
Other Aqueduct Storage (6 res.)	83	77	63	60	78%	76%

TELEMETERED SNOW WATER EQUIVALENTS

April 1, 2015

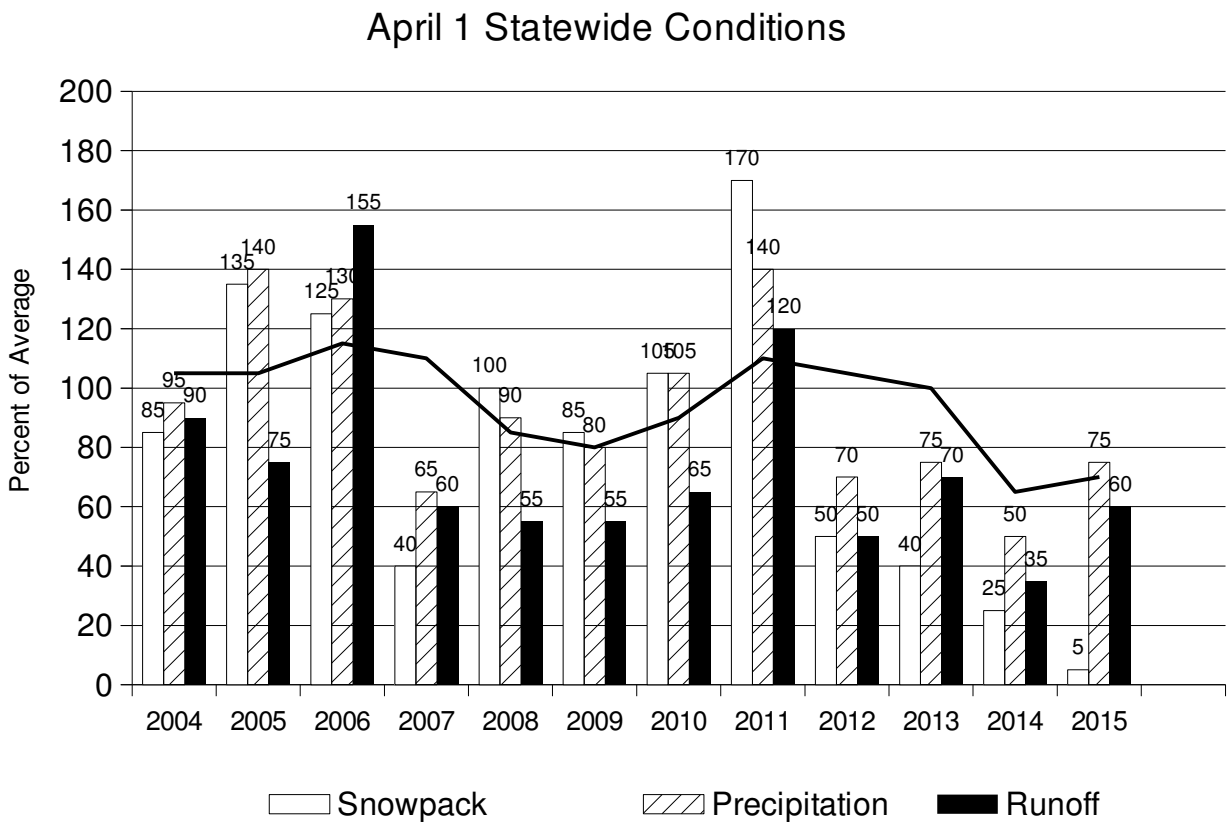
(AVERAGES BASED ON PERIOD RECORD)

BASIN NAME		APRIL 1	INCHES OF WATER EQUIVALENT	PERCENT	24 HRS	1 WEEK
STATION NAME	ELEV	AVERAGE	Apr 1	OF AVERAGE	PREVIOUS	PREVIOUS
TRINITY RIVER						
Peterson Flat	7150’	29.2	0.0	0.0	0.0	0.0
Red Rock Mountain	6700’	39.6	0.0	0.0	0.0	0.0
Bonanza King	6450’	40.5	0.0	0.0	0.0	0.6
Shimmy Lake	6400’	40.3	0.0	0.0	0.0	3.0
Middle Boulder 3	6200’	28.3	0.0	0.0	0.0	0.4
Highland Lakes	6030’	29.9	0.0	0.0	0.0	0.0
Scott Mountain	5900’	16.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.6
Blacks Mountain	7050’	12.7	—	—	—	—
Sand Flat	6750’	42.4	6.0	14.1	6.8	10.5
Medicine Lake	6700’	32.6	0.0	0.0	0.2	2.8
Adin Mountain	6200’	13.6	0.0	0.0	0.0	0.5
Snow Mountain	5950’	27.0	0.0	0.0	0.0	0.7
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	0.0	0.0	0.1	0.2
Grizzly Ridge	6900’	29.7	0.0	0.0	0.0	0.8
Pilot Peak	6800’	52.6	0.1	0.2	0.3	1.3
Gold Lake	6750’	36.5	10.0	27.3	10.3	10.8
Humbug	6500’	28.0	0.0	0.0	0.0	0.0
Harkness Flat	6200’	28.5	0.0	0.0	0.0	1.0
Rattlesnake	6100’	14.0	0.0	0.0	0.0	0.0
Bucks Lake	5750’	44.7	0.0	0.0	0.0	0.8
Four Trees	5150’	20.0	0.0	0.0	0.0	0.0
EEL RIVER						
Hull Mountain	6461’	—	0.0	—	0.0	0.4
Noel Spring	5100’	—	0.0	—	0.0	0.0
YUBA & AMERICAN RIVERS						
Schneiders	8750’	34.5	14.1	40.9	14.7	17.5
Lake Lois	8600’	39.5	17.4	44.1	18.0	21.2
Carson Pass	8353’	—	5.1	—	5.5	8.8
Caples Lake	8000’	30.9	0.0	0.0	0.0	0.4
Alpha	7600’	35.9	0.0	0.0	0.0	0.4
Forni Ridge	7600’	37.0	0.0	0.0	0.0	0.5
Meadow Lake	7200’	55.5	0.6	1.0	0.3	3.1
Silver Lake	7100’	22.7	0.0	0.0	0.0	0.0
Central Sierra Snow Lab	6900’	33.6	0.0	0.0	0.0	0.0
Van Vleck	6700’	35.9	0.0	0.0	0.0	0.2
Huysink	6600’	42.6	0.0	0.0	0.0	0.0
Robinson Cow Camp	6480’	—	0.0	—	0.0	0.4
Robbs Saddle	5900’	21.4	0.0	0.0	0.0	0.0
Greek Store	5600’	21.0	0.0	0.0	0.0	0.0
Blue Canyon	5280’	9.0	0.0	0.0	0.0	0.0
Robbs Powerhouse	5150’	5.2	0.0	0.0	0.0	0.0
MOKELUMNE & STANISLAUS RIVERS						
Deadman Creek	9250’	37.2	3.5	9.4	4.1	6.5
Highland Meadow	8700’	47.9	—	—	—	—
Gianelli Meadow	8400’	55.5	0.5	0.9	1.3	6.6
Lower Relief Valley	8100’	41.2	0.1	0.2	0.2	0.2
Blue Lakes	8000’	33.1	0.2	0.6	0.3	3.1
Stanislaus Meadow	7750’	47.5	0.0	0.0	0.0	0.2
Bloods Creek	7200’	35.5	1.6	4.4	1.6	1.7
Black Springs	6500’	32.0	0.0	0.0	0.0	0.0
TUOLUMNE & MERCED RIVERS						
Dana Meadows	9800’	27.7	2.1	7.6	2.7	6.0
Slide Canyon	9200’	41.1	—	—	—	—
Tuolumne Meadows	8600’	22.6	0.7	3.2	0.8	0.8
Horse Meadow	8400’	48.6	4.7	9.6	5.1	8.6
Ostrander Lake	8200’	34.8	0.0	0.0	0.0	0.5
Lake Tenaya	8150’	33.1	—	—	—	—
White Wolf	7900’	—	—	—	—	—
Paradise Meadow	7650’	41.3	0.0	0.0	0.0	0.0
Gin Flat	7050’	34.2	0.0	0.0	0.0	0.0
Lower Kibbie Ridge	6700’	27.4	0.3	1.0	0.3	0.4

SAN JOAQUIN RIVER						
Volcanic Knob	10050’	30.1	3.8	12.6	4.3	7.1
Agnew Pass	9450’	32.3	1.5	4.6	1.8	3.4
Kaiser Point	9200’	37.8	0.6	1.5	0.7	1.1
Green Mountain	7900’	30.8	0.8	2.7	1.0	1.0
Tamarack Summit	7550’	30.5	0.0	0.0	0.0	0.0
Huntington Lake	7000’	20.1	0.0	0.0	0.0	0.0
Graveyard Meadow	6900’	18.8	0.0	0.0	0.0	0.0
Poison Ridge	6900’	28.9	2.0	7.1	2.0	2.2
KINGS RIVER						
Bishop Pass	11200’	34.0	1.8	5.2	2.1	3.0
Charlotte Lake	10400’	27.5	—	—	—	—
State Lakes	10300’	29.0	—	—	—	—
Blackcap Basin	10300’	34.3	—	—	—	—
Mitchell Meadow	9900’	32.9	—	—	—	9.8
Upper Burnt Corral	9700’	34.6	4.7	13.5	4.9	8.9
West Woodchuck Meadow	9100’	32.8	—	—	—	0.2
Big Meadows	7600’	25.9	0.0	0.0	0.0	0.0
KAWEAH & TULE RIVERS						
Farewell Gap	9500’	34.5	—	—	—	—
Quaking Aspen	7200’	21.0	0.0	0.0	0.0	0.1
Giant Forest	6650’	10.0	—	—	—	—
KERN RIVER						
Upper Tyndall Creek	11400’	27.7	—	—	—	7.3
Crabtree Meadow	10700’	19.8	—	—	—	—
Chagoopa Plateau	10300’	21.8	0.0	0.0	0.0	1.5
Pascoes	9150’	24.9	0.0	0.0	0.0	0.0
Wet Meadows	8950’	30.3	0.0	0.0	0.0	0.0
Tunnel Guard Station	8900’	15.6	0.0	0.0	0.0	0.0
Casa Vieja Meadows	8300’	20.9	0.0	0.0	0.0	0.0
Beach Meadows	7650’	11.0	—	—	—	—
SURPRISE VALLEY AREA						
Dismal Swamp	7050’	29.2	11.0	37.7	10.9	12.5
TRUCKEE RIVER						
Big Meadows	8700’	25.7	0.0	0.0	0.0	3.4
Independence Lake	8450’	41.4	16.2	39.1	16.5	18.0
Squaw Valley	8200’	46.5	0.0	0.0	0.0	7.0
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	0.0	0.0	0.0	0.0
LAKE TAHOE BASIN						
Mount Rose Ski Area	8900’	38.5	13.1	34.0	13.4	15.9
Heavenly Valley	8800’	28.1	0.0	0.0	0.0	1.3
Hagans Meadow	8000’	16.5	0.0	0.0	0.0	0.0
Marlette Lake	8000’	21.1	—	—	—	—
Echo Peak 5	7800’	39.5	0.0	0.0	0.0	0.8
Rubicon Peak 2	7500’	29.1	0.0	0.0	0.0	0.0
Tahoe City Cross	6750’	16.0	0.0	0.0	0.0	0.0
Ward Creek 3	6750’	39.4	—	—	—	—
Fallen Leaf Lake	6250’	7.0	0.0	0.0	0.0	0.0
CARSON RIVER						
Ebbetts Pass	8700’	38.8	0.1	0.3	0.7	6.7
Horse Meadow	8557’	—	0.0	—	0.0	0.0
Monitor Pass	8350’	—	0.0	—	0.0	0.0
Burnside Lake	8129’	—	0.0	—	0.0	1.8
Forestdale Creek	8017’	—	2.1	—	2.6	6.2
Poison Flat	7900’	16.2	0.0	0.0	0.0	0.7
Spratt Creek	6150’	4.5	0.0	0.0	0.0	0.0
WALKER RIVER						
Leavitt Lake	9600’	—	24.2	—	24.4	25.2
Summit Meadow	9313’	—	0.0	—	0.1	3.7
Virginia Lakes	9300’	20.3	2.3	11.3	2.8	3.9
Lobdell Lake	9200’	17.3	0.0	0.0	0.0	1.4
Sonora Pass Bridge	8750’	26.0	3.2	12.3	3.4	4.1
Leavitt Meadows	7200’	8.0	0.0	0.0	0.0	0.0
OWENS RIVER/MONO LAKE						
Sawmill	10200’	19.4	3.1	16.0	2.9	4.2
Cottonwood Lakes	10150’	11.6	0.0	0.0	0.0	0.0
Big Pine Creek	9800’	17.9	0.0	0.0	0.0	0.0
Rock Creek Lakes	9700’	14.0	0.0	0.0	0.0	0.0
South Lake	9600’	16.0	0.0	0.0	0.0	0.5
Mammoth Pass	9300’	42.4	0.6	1.3	0.6	3.1

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 is Governor Edmund G. Brown, Jr. addressing the assembled media at the Phillips snow course while Mark Cowin, Director Department of Water Resources and Frank Gehrke, Snow Surveys observe