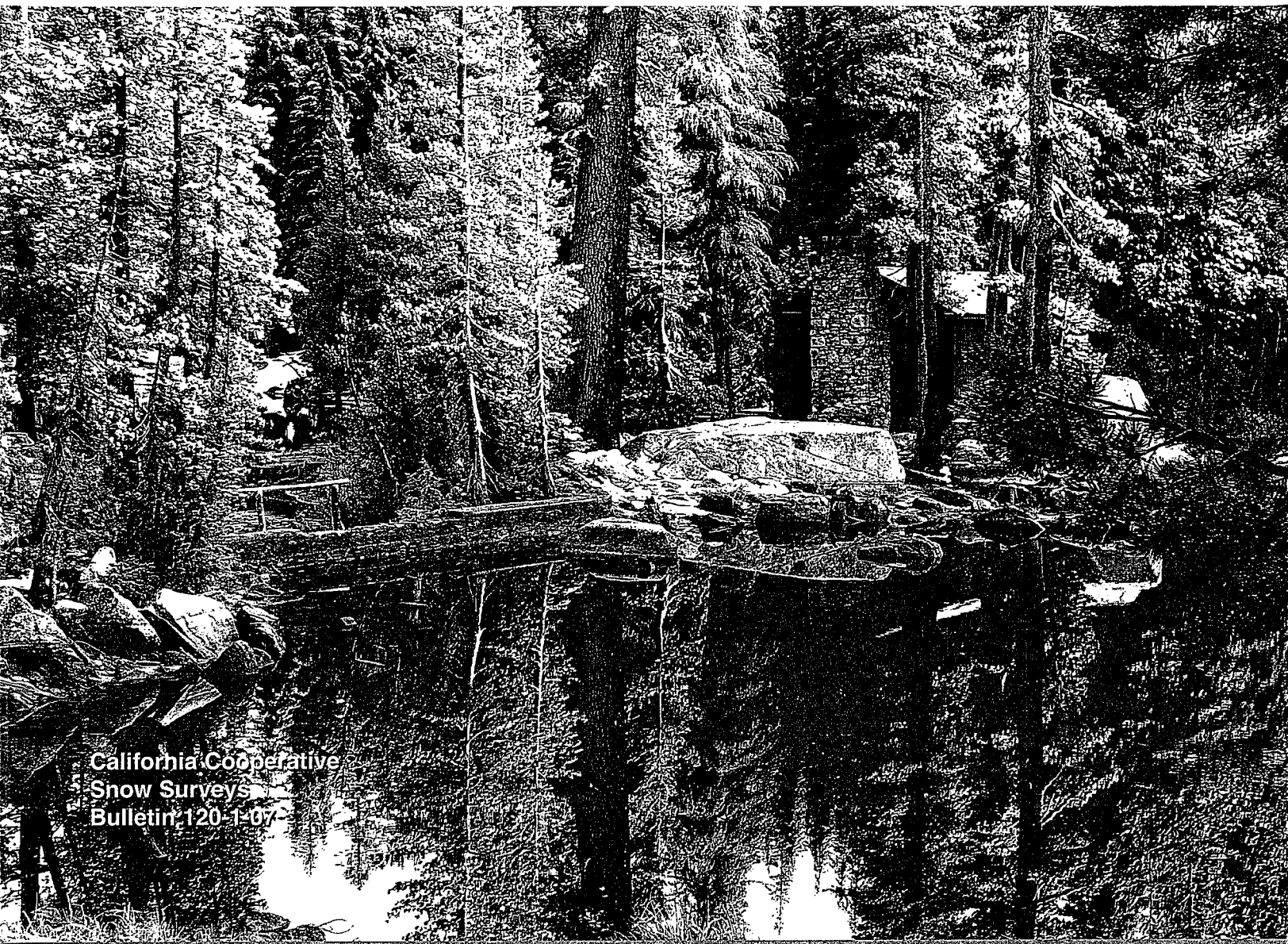

California Cooperative
Snow Surveys
Bulletin 120-1-07

State of California
The Resources Agency

Department of
Water Resources

Water Conditions in California

Report 1 February 1, 2007

Arnold Schwarzenegger
Governor
State of California

Mike Chrisman
Secretary for Resources
The Resources Agency

Lester A. Snow
Director
Department of Water Resources

STATE OF CALIFORNIA
Arnold Schwarzenegger, Governor

THE RESOURCES AGENCY
Mike Chrisman, Secretary for Resources

Department of Water Resources
Lester A. Snow
Director

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COOPERATING AGENCIES

Public Agencies
Buena Vista Water Storage District
East Bay Municipal Utility District
Eldorado Irrigation District
Friant Water Users Association
Kaweah Delta Water Conservation District
Kern Delta Water District
Kings River Conservation District
Lower Tule River Irrigation District
Merced Irrigation District
Modesto Irrigation District
Nevada Irrigation District
North Kern Water Storage District
Northern California Power Agency
Oakdale Irrigation District
Omochumne-Hartnell Water District
Oroville-Wyandotte Irrigation District
Placer County Water Agency
Sacramento Municipal Utility District
San Joaquin River Exchange Contractors Water Authority
South San Joaquin Irrigation District
Tri-Dam Project
Truckee River Basin Water Commission
Tulare Lake Basin Water Storage District
Turlock Irrigation District
Yuba County Water Agency

Private Organizations
J.G. Boswell Company
Kaweah and St. Johns River Association
Kings River Water Association
Tule River Association
State Water Project Contractors

Municipalities
City of Bakersfield Water Department
City of Los Angeles Department of Water and Power
City and County of San Francisco Hetch Hetchy Water and Power

State Agencies
University of California
- Central Sierra Snow Laboratory
- Scripps Institution of Oceanography

California Department of Forestry & Fire Protection
California Department of Water Resources

Public Utilities
Pacific Gas and Electric Company
Southern California Edison Company

Federal Agencies
U.S. Department of Agriculture
- Forest Service(14 National Forests)
- Natural Resource Conservation Service

U.S. Department of Commerce
- National Weather Service

U.S. Department of Interior
- Bureau of Reclamation
- Geological Survey, Water Resources
- National Park Service(3 National Parks)

U.S. Department of Army
- Corps of Engineers

Other Cooperative Programs
Nevada Cooperative Snow Surveys
Oregon Cooperative Snow Surveys

Summary of Water Conditions

February 1, 2007

January 2007 was cold and dry, the driest since drought year 1991. As a result, all water parameters except reservoir storage are well below average. With near normal precipitation during the next three months plus excellent carryover storage from a wet 2006, there should be enough water for most users except the west side of the San Joaquin Valley and some small local systems. About 40 percent of the rainy season remains and there still is about a 10 to 15 percent chance of recovering to a near normal water year.

Forecasts of April through July runoff are 55 percent of average statewide and somewhat better in the north than the south. Water year forecasts are equally low at 55 percent.

Snowpack water content overall is only 40 percent of average compared to 110 percent last year. The pack is 25 percent of the April 1 average, the normal date of maximum accumulation.

Precipitation from October through January was about 55 percent of average compared to 130 percent one year ago. January precipitation was only about 20 percent of average; however December was near average in the northern two-thirds of the State. Percentages for the water year range from a low 10 percent in the dry Colorado River-Desert region in southeastern California to 75 percent in the wetter North Coast region.

Runoff has been about half average so far this season ranging from a very low 10 percent on the Central Coast to about average in the Owens River (which was mostly residual base flow runoff from last year). Runoff on this date last year was 190 percent of average. Estimated runoff of the eight major rivers of the Sacramento and San Joaquin River regions in January was 0.85 million acre-feet.

Reservoir storage is the bright spot and is 110 percent of average compared to 120 percent last year. Many of the large northern Central Valley foothill reservoirs are not much below potential maximum water flood control storage space requirements.

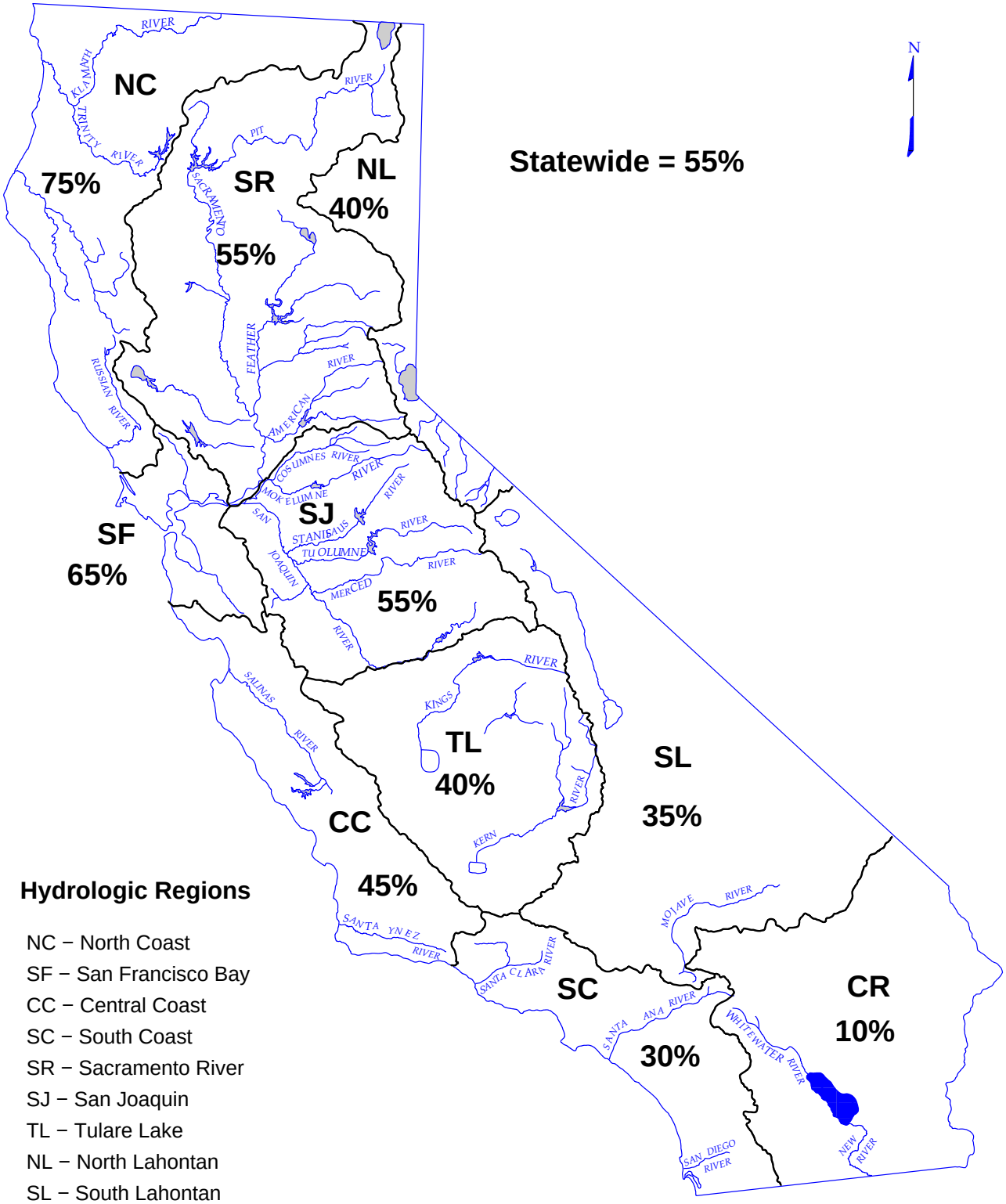
SUMMARY OF WATER CONDITIONS
IN PERCENT OF AVERAGE

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	75	45	100	55	60	60
SAN FRANCISCO BAY	65	--	100	10	--	--
CENTRAL COAST	45	--	130	10	--	--
SOUTH COAST	30	--	90	35	--	--
SACRAMENTO RIVER	55	40	105	55	60	55
SAN JOAQUIN RIVER	55	45	120	35	55	50
TULARE LAKE	40	35	110	50	55	50
NORTH LAHONTAN	40	35	135	70	50	55
SOUTH LAHONTAN	35	30	105	100	60	65
COLORADO RIVER-DESERT	10	--	--	--	--	--
STATEWIDE	55	40	110	55	55	55

SEASONAL PRECIPITATION

IN PERCENT OF AVERAGE TO DATE

October 1, 2006 through January 31, 2007

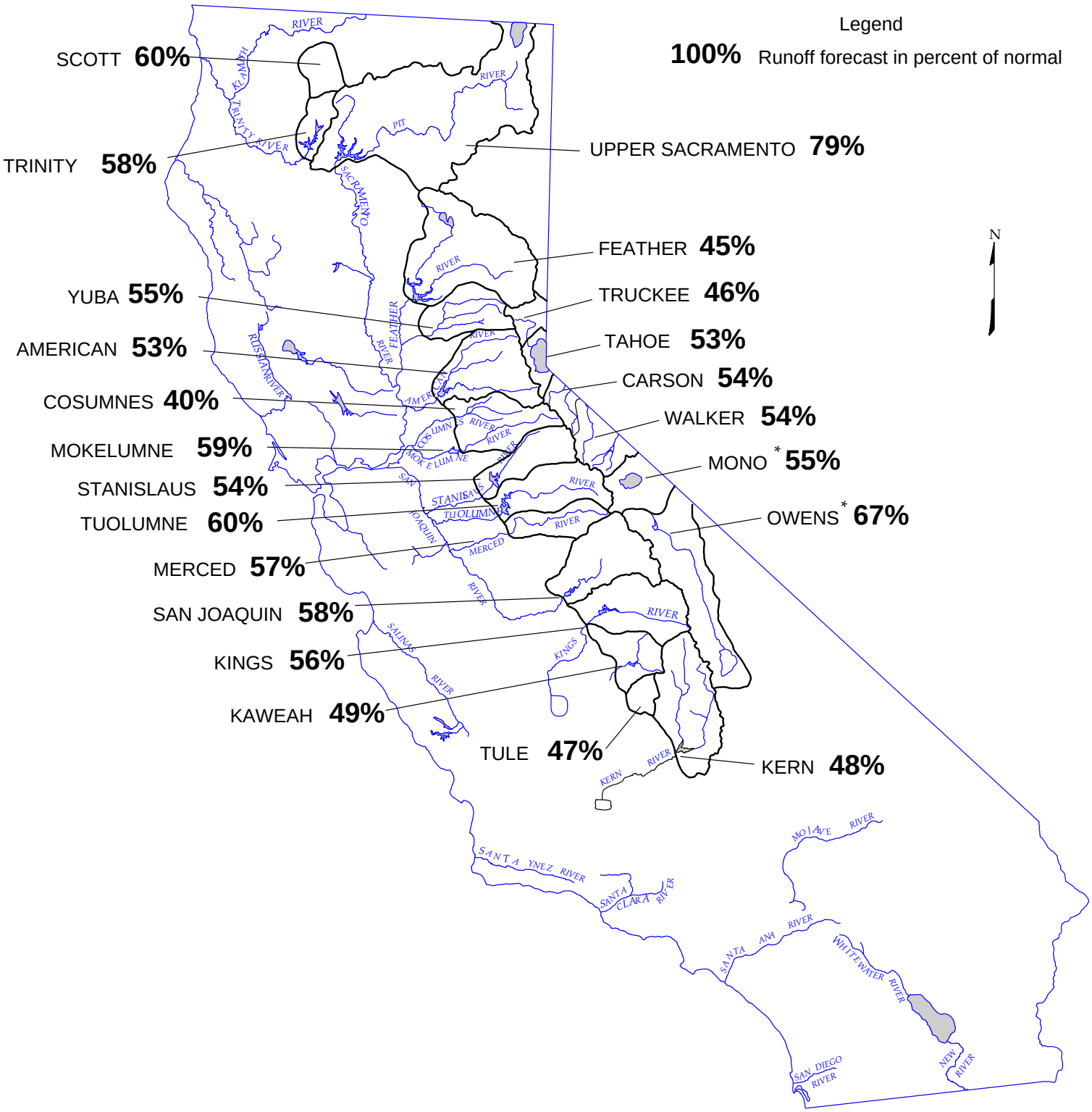


Hydrologic Regions

NC − North Coast
SF − San Francisco Bay
CC − Central Coast
SC − South Coast
SR − Sacramento River
SJ − San Joaquin
TL − Tulare Lake
NL − North Lahontan
SL − South Lahontan
CR − Colorado River−Desert

WATER YEAR IS OCTOBER 1 THROUGH SEPTEMBER 30

DEPARTMENT OF WATER RESOURCES
CALIFORNIA COOPERATIVE SNOW SURVEYS
FORECAST OF APRIL – JULY
UNIMPAIRED SNOWMELT RUNOFF
February 1, 2007



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

FEBRUARY 1, 2007 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)
SACRAMENTO RIVER						
Upper Sacramento River						
Sacramento River at Delta above Shasta Lake	298	711	39	210	70%	
McCloud River above Shasta Lake	392	850	185	300	76%	
Pit River near Montgomery Creek + Squaw Creek	1,066	2,098	480	800	75%	
Total Inflow to Shasta Lake	1,819	3,525	726	**1,430**	79%	870 - 2,330
Sacramento River above Bend Bridge, near Red Bluff	2,494	5,075	943	**1,840**	74%	1,060 - 3,090
Feather River						
Feather River at Lake Almanor near Prattville (3)	333	675	120	170	51%	
North Fork at Pulga (3)	1,028	2,416	243	460	45%	
Middle Fork near Clio (4)	86	518	4	35	41%	
South Fork at Ponderosa Dam (3)	110	267	13	45	41%	
Feather River at Oroville	1,782	4,676	392	**800**	45%	400 - 1,730
Yuba River						
North Yuba below Goodyears Bar (3)	286	647	51	150	52%	
Inflow to Jackson Mdws and Bowman Reservoirs (3)	112	236	25	65	58%	
South Yuba at Langs Crossing (3)	233	481	57	130	56%	
Yuba River near Smartville plus Deer Creek	1,006	2,424	200	**550**	55%	300 - 1,140
American River						
North Fork at North Fork Dam (3)	262	716	43	120	46%	
Middle Fork near Auburn (3)	522	1,406	100	260	50%	
Silver Creek Below Camino Diversion Dam (3)	173	386	37	90	52%	
American River below Folsom Lake	1,240	3,074	229	**660**	53%	310 - 1,290
SAN JOAQUIN RIVER						
Cosumnes River at Michigan Bar	126	363	8	**50**	40%	15 - 180
Mokelumne River						
North Fork near West Point (5)	437	829	104	250	57%	
Total Inflow to Pardee Reservoir	461	1,065	102	**270**	59%	130 - 540
Stanislaus River						
Middle Fork below Beardsley Dam (3)	334	702	64	180	54%	
North Fork Inflow to McKays Point Dam (3)	224	503	34	120	54%	
Stanislaus River below Goodwin Reservoir (7)	702	1,710	116	**380**	54%	150 - 790
Tuolumne River						
Cherry Creek & Eleanor Creek near Hetch Hetchy (3)	322	727	97	190	59%	
Tuolumme River near Hetch Hetchy (3)	606	1,392	153	380	63%	
Tuolumne River below La Grange Reservoir (7)	1,220	2,682	301	**730**	60%	380 - 1,330
Merced River						
Merced River at Pohono Bridge (3)	362	888	80	220	61%	
Merced River below Merced Falls (7)	632	1,587	123	**360**	57%	170 - 710
San Joaquin River						
San Joaquin River at Mammoth Pool (6)	1,014	2,279	235	600	59%	
Big Creek below Huntington Lake (6)	95	264	11	50	53%	
South Fork near Florence Lake (6)	202	511	58	120	59%	
San Joaquin River inflow to Millerton Lake	1,254	3,355	262	**730**	58%	330 - 1,380
TULARE LAKE						
Kings River						
North Fork Kings River near Cliff Camp (3)	239	565	50	130	54%	
Kings River below Pine Flat Reservoir	1,224	3,113	274	**690**	56%	300 - 1,290
Kaweah River below Terminus Reservoir	286	814	62	**140**	49%	70 - 325
Tule River below Lake Success	64	259	2	**30**	47%	10 - 90
Kern River						
Kern River near Kernville (3)	373	1,203	83	200	54%	
Kern River inflow to Lake Isabella	461	1,657	84	**220**	48%	100 - 580

(1) See inside back cover for definition
(2) All 50 year averages are based on years 1956-2005 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

FEBRUARY 1, 2007 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)
887	1,965	165											
1,217	2,353	557											
3,159	5,150	1,484											
6,107	10,796	2,479	1,330	500	600	540	415	270	205	380	**4,240**	69%	3,100 - 6,075
8,907	17,180	3,294	1,880	760	900	730	530	335	245	470	**5,850**	66%	4,450 - 7,770
780	1,269	366											
2,417	4,400	666											
219	637	24											
291	562	32											
4,620	9,492	994	685	290	400	295	285	135	85	135	**2,310**	50%	1,570 - 3,590
564	1,056	102											
181	292	30											
379	565	98											
2,373	4,926	369	265	150	215	215	215	95	25	20	**1,200**	51%	790 - 2,130
616	1,234	66											
1,070	2,575	144											
318	705	59											
2,719	6,382	349	210	150	240	240	255	140	25	10	**1,270**	47%	725 - 2,240
390	1,253	20	26	20	35	25	17	6	2	2	**133**	34%	50 - 400
626	1,009	197											
755	1,800	129	55	30	50	80	110	70	10	5	**410**	54%	220 - 770
471	929	88											
1,171	2,952	155	85	45	90	110	160	90	20	10	**610**	52%	310 - 1,150
461	1,147	123											
770	1,661	258											
1,951	4,631	383	85	75	135	180	290	205	55	15	**1,040**	53%	610 - 1,830
461	1,020	92											
1,007	2,787	150	40	35	65	100	150	90	20	10	**510**	51%	260 - 970
1,337	2,964	308											
112	298	14											
248	653	71											
1,836	4,642	362	85	45	95	155	260	225	90	40	**995**	54%	530 - 1,800
284	607	58											
1,721	4,287	386	85	40	75	145	250	220	75	35	**925**	54%	480 - 1,720
454	1,402	94	23	13	23	37	55	38	10	5	**204**	45%	110 - 450
148	615	16	11	9	12	13	11	5	1	2	**64**	43%	30 - 180
558	1,577	163											
730	2,318	175	75	20	30	50	75	70	25	25	**370**	51%	200 - 860

* Unimpaired runoff in prior months based on measured flows

(7) 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.

FEBRUARY 1, 2007 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					
Trinity River					
Trinity River at Lewiston Lake (3)	654	1,593	80	**380**	58%
Scott River					
Scott River near Fort Jones (6)	200	400	30	**120**	60%
Klamath River					
Total inflow to Upper Klamath Lake (4)	515	939	149	**390**	76%
NORTH LAHONTAN					
Truckee River					
Lake Tahoe to Farad accretions	261	713	52	**120**	46%
Lake Tahoe Rise (assuming gates closed, ft),(6)	1.4	5.4	0.2	**0.7**	53%
Carson River					
West Fork Carson River at Woodfords	54	135	12	**30**	55%
East Fork Carson River near Gardnerville	187	407	43	**100**	53%
Walker River					
West Walker River below Little Walker, near Coleville	154	330	35	**85**	55%
East Walker River near Bridgeport	64	209	7	**32**	50%
SOUTH LAHONTAN					
Owens River					
Total tributary flow to Owens River (5)	235	579	96	**157**	67%

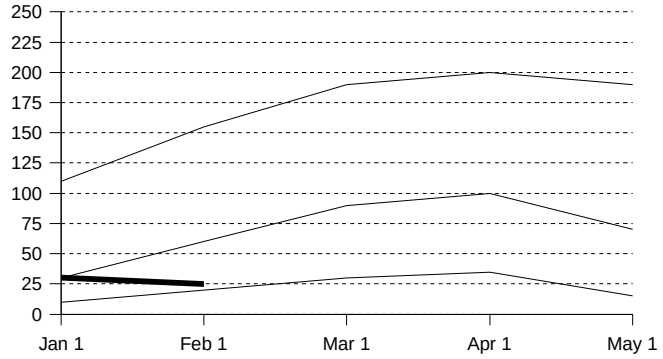
FEBRUARY 1, 2007 FORECASTS
WATER YEAR UNIMPAIRED RUNOFF

HYDROLOGIC REGION and Watershed	Water Year Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL 50 Yr Avg (2)	Max of Record	Min of Record	FORECAST Water Year Forecasts	Pct of Avg	80 % Probability Range (1)
NORTH COAST						
Trinity River						
Trinity River at Lewiston Lake (3)	1,398	2,990	200	**830**	59%	550 - 1400

(1) See inside back cover for definition
(2) All 50 year averages are based on years 1956-2005 unless otherwise noted
(3) Forecast by DWR and National Weather Service California-Nevada River Forecast Center.
(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 1971-2000.
(5) Forecast by Department of Water and Power, City of Los Angeles, average based on years 1951-2000.
(6) 50 Yr Avg is for 1951-2000

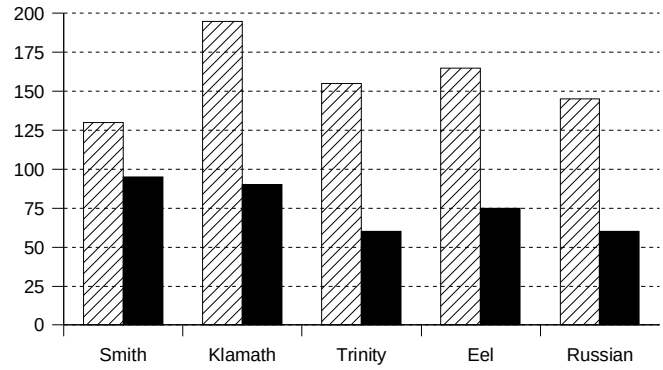
Snowpack Accumulation

Water Content in % of April 1 Average



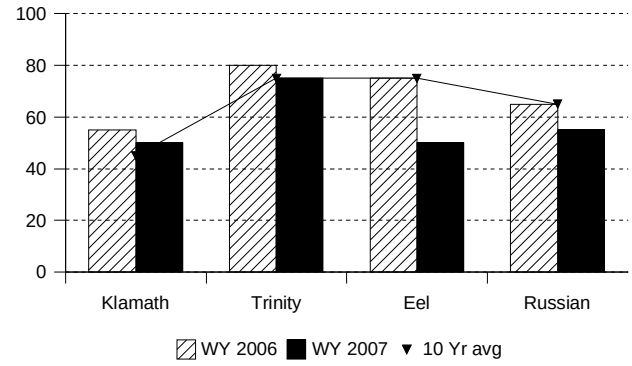
Precipitation

October 1 to date in % of Average



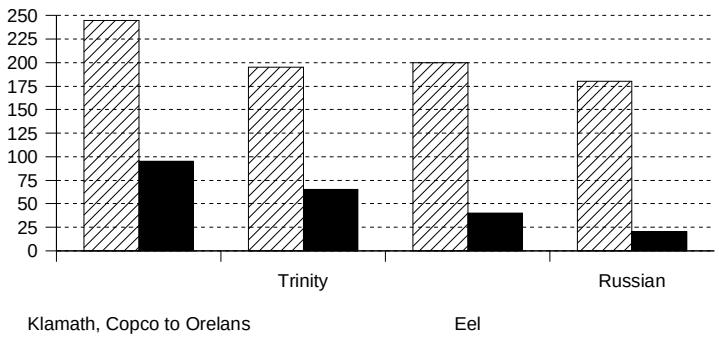
Reservoir Storage

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 12 snow courses indicate an area wide snow water equivalent of 8.4 inches. This is 45 percent of the February 1 average and 25 percent of the seasonal (April 1) average. Last year at this time the pack was holding 26.1 inches of water.

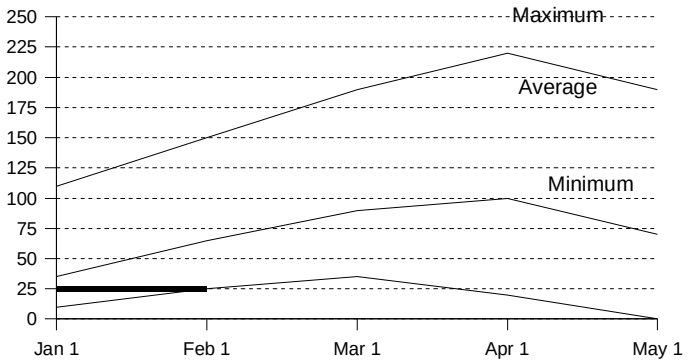
PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on this area was 75 percent of normal. Precipitation last month was about 25 percent of the monthly average. Seasonal precipitation at this time last year stood at 160 percent of normal.

RESERVOIR STORAGE- First of the month storage in 7 reservoirs was 2.2 million acre-feet which is 100 percent of average. About 70 percent of available capacity was being used. Storage in these reservoirs at this time last year was 115 percent of average.

RUNOFF -Seasonal runoff of streams draining the area totaled 3 million acre-feet which is 55 percent of the average for this period. Last year, runoff for the same period was 210 percent of average.

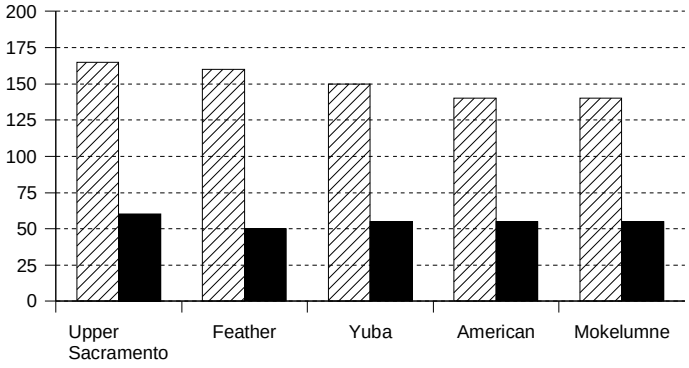
Snowpack Accumulation

Water Content in % of April 1 Average



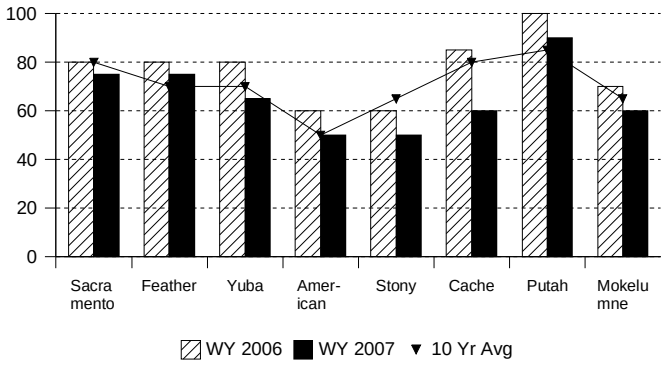
Precipitation

October 1 to date in % of Average



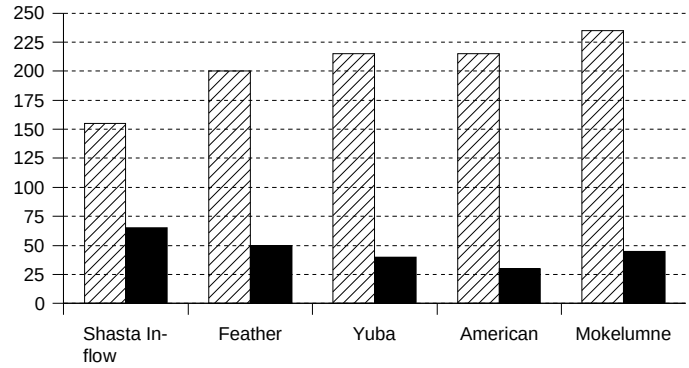
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



SACRAMENTO RIVER REGION

SNOWPACK- First of the month measurements made at 72 snow courses indicate an area wide snow water equivalent of 7.8 inches. This is 40 percent of the February 1 average and 25 percent of the seasonal (April 1) average. Last year at this time the pack was holding 16.3 inches of water.

PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on this area 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 150 percent of normal.

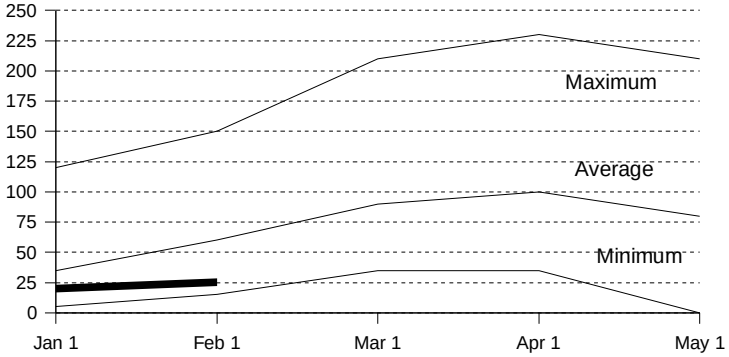
RESERVOIR STORAGE- First of the month storage in 43 reservoirs was 11.5 million acre-feet which is 105 percent of average. About 70 percent of available capacity was being used. Storage in these reservoirs at this time last year was 120 percent of average.

RUNOFF - Seasonal runoff of streams draining the area totaled 3 million acre-feet which is 55 percent of average for this period. Last year, runoff for the same period was 185 percent of average.

The **Sacramento Region 40-30-30 Water Supply Index** is forecast to be 6.4 assuming median meteorological conditions for the remainder of the year. This classifies the year as "dry" in the Sacramento Valley according to the State Water Resources Control Board.

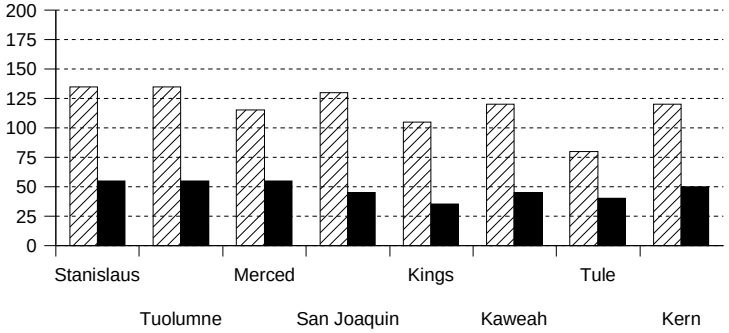
Snowpack Accumulation

Water Content in % of April 1 Average



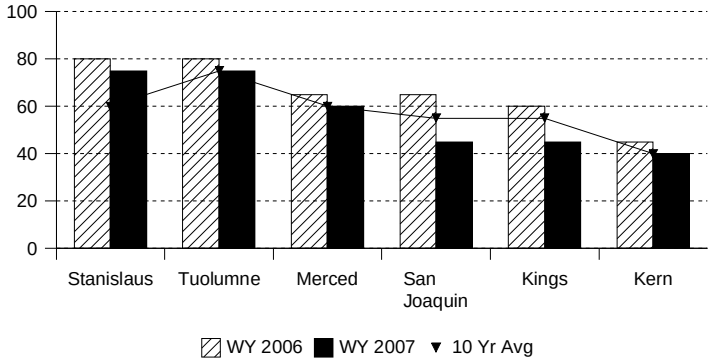
Precipitation

October 1 to date in % of Average



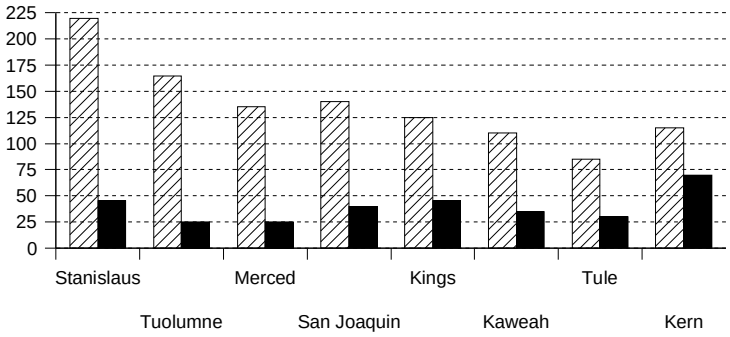
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



SAN JOAQUIN RIVER AND TULARE LAKE REGIONS

SNOWPACK- First of the month measurements made at 60 **San Joaquin River Region** snow courses indicate an area wide snow water equivalent of 8.5 inches. This is 45 percent of the February 1 average and 25 percent of seasonal average. Last year at this time the pack was holding 25 inches of water.

At the same time 41 **Tulare Lake Region** snow courses indicated a basin-wide snow water equivalent of 5.1 inches which is 35 percent of the average for February 1 and 20 percent of the seasonal average. Last year at this time the basin was holding 19.4 inches of water.

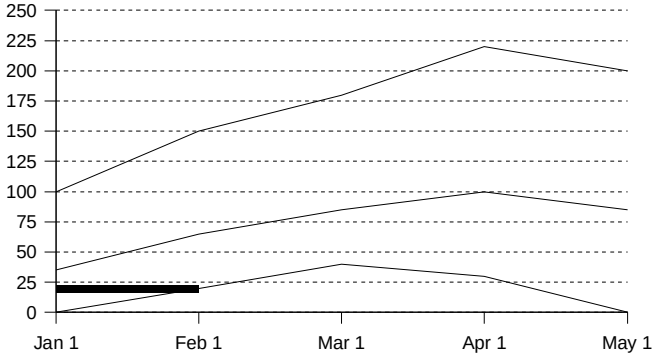
PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **San Joaquin Region** was 55 percent of normal. Precipitation last month was about 25 percent of the monthly average. Seasonal precipitation at this time last year stood at 125 percent of normal. Seasonal precipitation on the **Tulare Lake Region** was 40 percent of normal. Precipitation last month was about 25 percent of the monthly average. Seasonal precipitation at this time last year stood at 105 percent of normal.

RESERVOIR STORAGE- First of the month storage in 34 **San Joaquin Region** reservoirs was 8.3 million acre-feet which is 120 percent of average. About 75 percent of available capacity was being used. Storage in these reservoirs at this time last year was 130 percent of average. First of the month storage in 6 **Tulare Lake Region** reservoirs was 830 thousand acre-feet which is 110 percent of average and about 40 percent of available capacity. Storage in these reservoirs at this time last year was 135 percent of average.

RUNOFF- Seasonal runoff of streams draining the **San Joaquin Region** totaled 381 thousand acre-feet which is 35 percent of average for this period. Last year, runoff for the same period was 175 percent of average. Seasonal runoff of streams draining the **Tulare Lake Basin** totaled 199 thousand acre-feet which is 45 percent of average for this period. Last year runoff for this same period was 115 percent of average. The **San Joaquin Region 60-20-20 Water Supply Index** is forecast to be 2.0 assuming 75 perced exceedance meteorological conditions. This classifies the year as "critical" in the San Joaquin Region according to the State Water Resources Control Board.

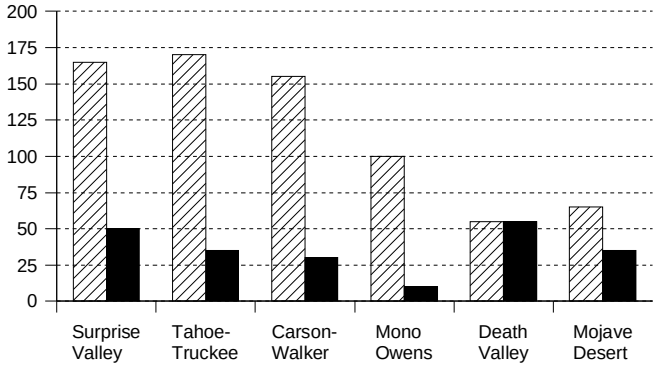
Snowpack Accumulation

Water Content in % of April 1 Average



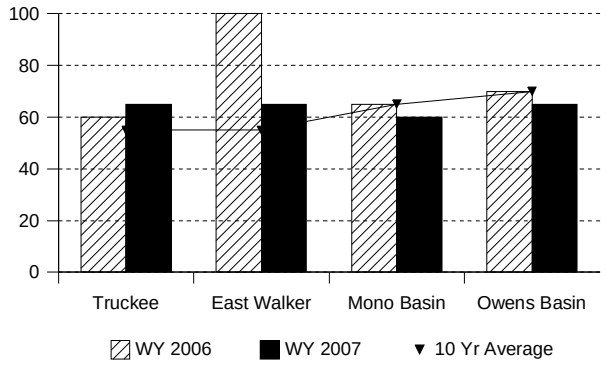
Precipitation

October 1 to date in % of Average



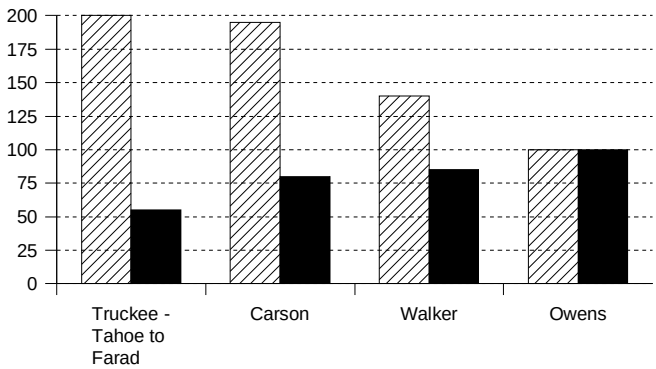
Reservoir Storage

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 12 **North Lahontan snow** courses indicate an area wide snow water equivalent of 5.8 inches. This is 35 percent of the February 1 average and 25 percent of seasonal (April 1) average. Last year at this time the pack was holding 17.9 inches of water. At the same time 16 **South Lahontan Region** snow courses indicated a basin-wide snow water equivalent of 4.3 inches which is 30 percent of the average for February 1 and 20 percent of the seasonal average. Last year at this time the basin was holding 20.2 inches of water.

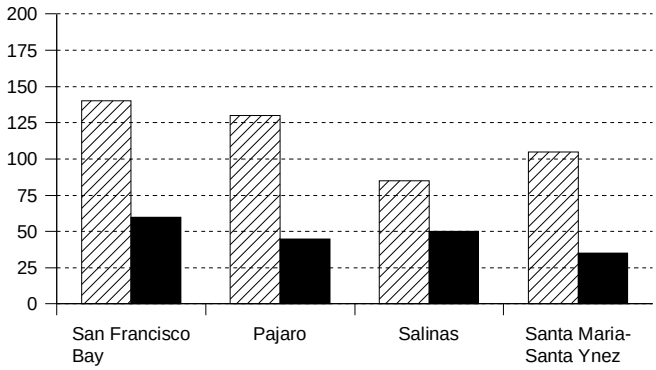
PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **North Lahontan Region** was 40 percent of normal. Precipitation last month was about 25 percent of the monthly average. Seasonal precipitation at this time last year stood at 165 percent of normal.
Seasonal precipitation on the **South Lahontan Region** was 35 percent of normal. Precipitation last month was about 10 percent of the monthly average. Seasonal precipitation at this time last year stood at 65 percent of normal.

RESERVOIR STORAGE- First of the month storage in 5 **North Lahontan** reservoirs was 711 thousand acre-feet which is 135 percent of average. About 65 percent of available capacity was being used. Storage in these reservoirs at this time last year was 120 percent of average. Lake Tahoe was 3.8 feet above its natural rim on February 1.
First of the month storage in 8 **South Lahontan** reservoirs was 280 thousand acre-feet which is 105 percent of average and about 70 percent of available capacity. Storage in these reservoirs at this time last year was 110 percent of average.

RUNOFF- Seasonal runoff of streams draining the **North Lahontan Region** totaled 108 thousand acre-feet which is 70 percent of average for this period. Last year, runoff for the same period was 225 percent of average.
Seasonal runoff of the Owens River in the **South Lahontan Region** totaled 44 thousand acre-feet which is average for this period. Last year runoff for this same period was 100 percent of average.

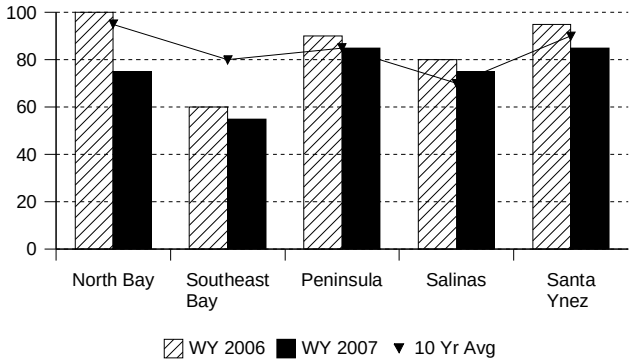
Precipitation

October 1 to date in % of Average



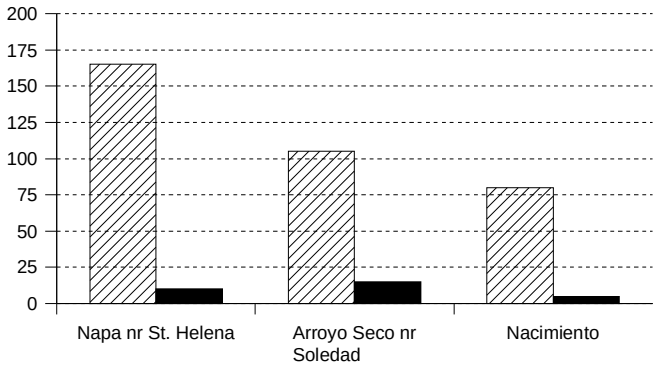
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



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 65 percent of normal. Precipitation last month was about 15 percent of the monthly average. Seasonal precipitation at this time last year stood at 140 percent of normal.
Seasonal precipitation on the **Central Coast Region** was 45 percent of normal. Precipitation last month was about 25 percent of the monthly average. Seasonal precipitation at this time last year stood at 105 percent of normal.

RESERVOIR STORAGE- First of the month storage in 18 **San Francisco Bay Region** reservoirs was 338 thousand acre-feet which is 100 percent of average. About 60 percent of available capacity was being used. Storage in these reservoirs at this time last year was 120 percent of average.
First of the month storage in 6 **Central Coast Region** reservoirs was 767 thousand acre-feet which is 130 percent of average and about 80 percent of available capacity. Storage in these reservoirs at this time last year was 135 percent of average.

RUNOFF- Seasonal runoff of the Napa River in the **San Francisco Bay Region** totaled 4 thousand acre-feet which is 10 percent of average for this period. Last year, runoff for the same period was 165 percent of average.
Seasonal runoff of streams draining the **Central Coast Region** totaled 10 thousand acre-feet which is 10 percent of average for this period. Last year runoff for this same period was 90 percent of average.

SOUTH COAST REGION

PRECIPITATION - October through January (seasonal) precipitation on the **South Coast Region** was 30 percent of normal. January precipitation was 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 10 percent of normal. Last year seasonal precipitation on the **Colorado River-Desert Region** was 80 percent of normal. Precipitation in January was about 10 percent of average.

RESERVOIR STORAGE - February 1 storage in 29 major **South Coast Region** reservoirs was 1.2 million acre-feet or 90 percent of average. About 65 percent of available capacity was being used. Storage in these reservoirs at this time last year was 105 percent of average. On February 1 combined storage in Lakes Powell, Mead, Mohave and Havasu was about 28.2 million acre-feet or about 70 percent of average. About 55 percent of available capacity was in use. Last year at this time, these reservoirs were storing 70 percent of average.

RUNOFF - Seasonal runoff from selected **South Coast Region** streams totaled about 6 thousand acre-feet which is 35 percent of average. Seasonal runoff from these streams last year was 85 percent of average.

COLORADO RIVER

The April -July inflow to Lake Powell is forecast to be 5.9 million acre-feet, which is 74 percent of average. The February 1 snowpack in the Colorado River basin above Lake Powell was 75 percent of average, lowest in the Colorado Plateau at 50 percent and highest in the Upper Colorado River Headwaters at 85 percent.

CENTRAL VALLEY PROJECT

As of January 31, 2007, CVP storage was 8.4 million acre-feet, which is a decrease of 0.5 million acre-feet compared to one year ago and is approximately 105% of normal for that date. The Bureau of Reclamation announced the 2007 initial water supply outlook for the CVP contractors on January 19, 2007. Based on a conservative water supply forecast prepared from information available January 1, 2007, and a water year inflow into Shasta Reservoir of 4.1 million acre-feet, CVP water supplies were: Agricultural contractors North of Delta 100% and South of Delta 60%; Urban contractors North of Delta 100% and South of Delta 85%; Sacramento River water rights contractors and San Joaquin Exchange Contractors 100%; Wildlife Refuges North and South of Delta 100%; Eastside Division contractors (Stanislaus River) projected to be 30% (46,000 acre-feet); Friant Contractors 75% of Class 1 and 0% of Class 2. Official allocations will be announced in mid-February.
The forecast of CVP operations is available on the Mid-Pacific Region's website at www.mp.usbr.gov.

MAJOR WATER DISTRIBUTION PROJECTS

RESERVOIR STORAGE

(AVERAGES BASED ON 1956-2005 OR PERIOD RECORD)

RESERVOIR	CAPACITY 1,000 AF	AVERAGE STORAGE 1,000 AF	STORAGE AT END OF January 2006 1,000 AF	2007 1,000 AF	PERCENT AVERAGE	PERCENT CAPACITY
STATE WATER PROJECT						
Lake Oroville	3,538	2,384	2,790	2,795	117%	79%
San Luis Reservoir (SWP)	1,062	865	1,153	1,165	135%	110%
Lake Del Valle	77	31	35	26	84%	34%
Lake Silverwood	73	65	71	70	108%	96%
Pyramid Lake	171	163	164	157	96%	92%
Castaic Lake	325	257	286	182	71%	56%
Perris Lake	132	113	66	69	61%	52%
CENTRAL VALLEY PROJECT						
Trinity Lake	2,448	1,763	2,009	1,801	102%	74%
Lake Shasta	4,552	3,133	3,586	3,374	108%	74%
Whiskeytown Lake	241	205	207	205	100%	85%
Folsom Lake	977	516	425	468	91%	48%
New Melones Reservoir	2,420	1,392	1,972	1,977	142%	82%
Millerton Lake	520	340	396	237	70%	46%
San Luis Reservoir (CVP)	971	753	877	778	103%	80%
COLORADO RIVER PROJECT						
Lake Mead	26,159	20,307	15,335	14,309	70%	55%
Lake Powell	24,322	18,432	11,206	11,703	63%	48%
Lake Mohave	1,810	1,677	1,632	1,656	99%	91%
Lake Havasu	619	547	562	574	105%	93%
EAST BAY MUNICIPAL UTILITY DISTRICT						
Pardee Res	198	178	181	161	90%	81%
Camanche Reservoir	417	249	265	319	128%	76%
East Bay (4 res.)	147	126	120	107	85%	73%
CITY AND COUNTY OF SAN FRANCISCO						
Hetch-Hetchy Reservoir	360	163	270	219	134%	61%
Cherry Lake	268	128	237	240	188%	90%
Lake Eleanor	26	10	21	16	167%	61%
South Bay/Peninsula (4 res.)	225	160	160	152	95%	68%
CITY OF LOS ANGELES (D.W.P.)						
Lake Crowley	183	123	129	123	100%	67%
Grant Lake	48	28	42	39	139%	82%
Other Aqueduct Storage (6 res.)	83	75	59	48	64%	58%

TELEMETERED SNOW WATER EQUIVALENTS

February 1, 2007

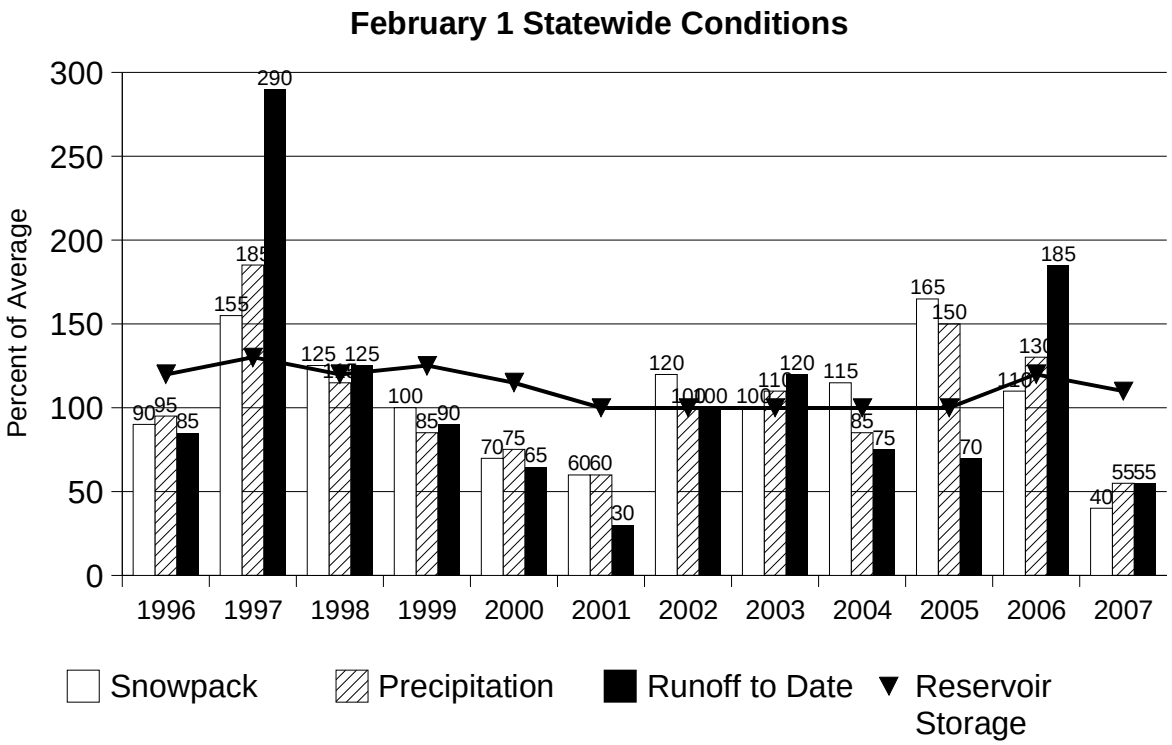
(AVERAGES BASED ON PERIOD RECORD)

BASIN NAME		APRIL 1	INCHES OF WATER EQUIVALENT	PERCENT	24 HRS	1 WEEK
STATION NAME	ELEV	AVERAGE	Feb 1	OF AVERAGE	PREVIOUS	PREVIOUS
TRINITY RIVER						
Peterson Flat	7150’	29.2	7.0	24.0	7.0	7.0
Red Rock Mountain	6700’	39.6	14.0	35.4	14.1	14.1
Bonanza King	6450’	40.5	11.4	28.1	11.4	11.4
Shimmy Lake	6400’	40.3	13.5	33.5	13.5	13.6
Middle Boulder 3	6200’	28.3	12.0	42.4	12.0	12.0
Highland Lakes	6030’	29.9	9.6	32.1	9.6	9.8
Scott Mountain	5900’	16.0	5.3	33.0	5.3	5.3
Mumbo Basin	5650’	22.4	9.7	43.4	9.8	10.3
Big Flat	5100’	15.8	6.6	41.8	6.6	6.7
Crowder Flat	5100’	—	1.0	—	1.0	1.0
SACRAMENTO RIVER						
Cedar Pass	7100’	18.1	6.3	34.8	6.4	6.4
Blacks Mountain	7050’	12.7	4.1	32.1	4.1	4.1
Sand Flat	6750’	42.4	16.1	37.9	16.1	16.2
Medicine Lake	6700’	32.6	11.9	36.4	11.9	11.9
Adin Mountain	6200’	13.6	4.9	36.0	4.9	4.9
Snow Mountain	5950’	27.0	9.4	34.8	9.4	9.5
Slate Creek	5700’	29.0	10.1	34.8	10.1	10.1
Stouts Meadow	5400’	36.0	8.7	24.2	8.8	9.3
FEATHER RIVER						
Kettle Rock	7300’	25.5	6.2	24.5	6.2	6.2
Grizzly Ridge	6900’	29.7	8.3	27.9	8.3	8.3
Pilot Peak	6800’	52.6	6.8	12.9	6.8	6.9
Gold Lake	6750’	36.5	10.9	29.9	10.9	10.9
Humbug	6500’	28.0	10.0	35.7	10.2	10.2
Harkness Flat	6200’	—	8.9	—	8.9	9.1
Rattlesnake	6100’	14.0	7.0	49.7	7.0	7.1
Bucks Lake	5750’	44.7	10.7	23.9	10.7	10.8
Four Trees	5150’	20.0	2.5	12.3	2.6	3.3
EEL RIVER						
Noel Spring	5100’	—	—	—	—	—
YUBA & AMERICAN RIVERS						
Lake Lois	8600’	39.5	—	—	—	—
Schneiders	8750’	34.5	10.8	31.4	10.8	11.8
Carson Pass	8353’	—	9.5	—	9.5	9.5
Caples Lake	8000’	30.9	7.4	24.0	7.4	7.5
Alpha	7600’	35.9	12.2	34.0	12.3	12.5
Meadow Lake	7200’	55.5	17.8	32.1	17.8	17.9
Silver Lake	7100’	22.7	6.1	26.9	6.1	6.1
Central Sierra Snow Lab	6900’	33.6	11.5	34.2	11.5	11.5
Huysink	6600’	42.6	8.2	19.2	8.2	8.3
Van Vleck	6700’	35.9	11.2	31.2	11.2	11.2
Robbs Saddle	5900’	21.4	5.5	25.7	5.5	5.7
Greek Store	5600’	21.0	4.2	20.0	4.2	4.7
Blue Canyon	5280’	9.0	1.6	17.9	1.6	1.6
Robbs Powerhouse	5150’	5.2	2.4	46.9	2.4	2.5
MOKELUMNE & STANISLAUS RIVERS						
Deadman Creek	9250’	37.2	8.5	22.9	8.5	8.5
Highland Meadow	8700’	47.9	—	—	—	—
Gianelli Meadow	8400’	55.5	11.3	20.3	11.3	11.3
Lower Relief Valley	8100’	41.2	10.2	24.8	10.2	10.2
Blue Lakes	8000’	33.1	6.8	20.5	6.8	6.7
Mud Lake	7900’	44.9	17.2	38.3	17.2	17.0
Stanislaus Meadow	7750’	47.5	—	—	—	—
Bloods Creek	7200’	35.5	9.6	27.0	9.6	9.7
Black Springs	6500’	32.0	6.6	20.7	6.6	6.7
TUOLUMNE & MERCED RIVERS						
Tioga Pass Entrance	9945’	—	—	—	—	—
Dana Meadows	9800’	27.7	14.5	52.3	14.5	14.5
Slide Canyon	9200’	41.1	11.0	26.8	11.0	11.0
Lake Tenaya	8150’	33.1	9.5	28.8	9.5	9.4
Tuolumne Meadows	8600’	22.6	4.5	20.1	4.5	4.5
Horse Meadow	8400’	48.6	16.7	34.4	16.6	16.5
Ostrander Lake	8200’	34.8	9.1	26.0	9.1	8.5
Paradise Meadow	7650’	41.3	9.6	23.2	9.6	9.6
Gin Flat	7050’	34.2	7.6	22.2	7.6	7.6
Lower Kibbie Ridge	6700’	27.4	4.1	14.9	4.0	4.4

SAN JOAQUIN RIVER						
Volcanic Knob	10050’	30.1	9.0	29.9	9.0	8.5
Agnew Pass	9450’	32.3	9.2	28.5	9.2	9.0
Kaiser Point	9200’	37.8	4.1	10.9	4.1	4.1
Green Mountain	7900’	30.8	6.7	21.8	6.7	6.7
Tamarack Summit	7550’	30.5	7.9	26.0	7.9	7.0
Chilkoot Meadow	7150’	38.0	10.5	27.7	10.5	9.3
Huntington Lake	7000’	20.1	8.2	40.6	8.2	7.6
Graveyard Meadow	6900’	18.8	5.6	30.0	5.5	5.5
Poison Ridge	6900’	28.9	6.9	23.7	6.9	6.6
KINGS RIVER						
Bishop Pass	11200’	34.0	7.0	20.7	7.1	6.9
Charlotte Lake	10400’	27.5	6.7	24.5	6.7	5.8
State Lakes	10300’	29.0	—	—	—	—
Mitchell Meadow	9900’	32.9	8.6	26.1	8.6	8.3
Blackcap Basin	10300’	34.3	10.4	30.3	10.4	9.9
Upper Burnt Corral	9700’	34.6	7.7	22.2	7.7	7.5
West Woodchuck Meadow	9100’	32.8	4.1	12.5	4.0	4.0
Big Meadows	7600’	25.9	7.4	28.7	7.6	7.8
KAWEAH & TULE RIVERS						
Farewell Gap	9500’	34.5	8.6	25.0	8.5	7.5
Quaking Aspen	7200’	21.0	6.8	32.6	6.8	6.5
Giant Forest	6650’	10.0	3.3	33.0	3.3	4.0
KERN RIVER						
Upper Tyndall Creek	11400’	27.7	4.4	15.9	4.3	4.2
Crabtree Meadow	10700’	19.8	2.0	10.3	2.0	1.6
Chagoopa Plateau	10300’	21.8	6.9	31.7	6.9	6.3
Pascoes	9150’	24.9	7.6	30.5	7.5	7.0
Tunnel Guard Station	8900’	15.6	2.8	17.7	2.6	2.0
Wet Meadows	8950’	30.3	7.1	23.4	7.1	6.9
Casa Vieja Meadows	8300’	20.9	5.5	26.2	5.5	4.8
Beach Meadows	7650’	11.0	2.0	18.4	2.0	2.0
SURPRISE VALLEY AREA						
Dismal Swamp	7050’	29.2	11.6	39.7	11.4	11.5
TRUCKEE RIVER						
Mount Rose Ski Area	8900’	38.5	8.4	21.8	8.3	8.4
Independence Lake	8450’	41.4	13.1	31.6	13.1	13.2
Big Meadows	8700’	25.7	3.3	12.8	3.2	3.3
Squaw Valley	8200’	46.5	13.3	28.6	13.1	13.9
Independence Camp	7000’	21.8	4.0	18.3	4.0	3.8
Independence Creek	6500’	12.7	5.0	39.4	5.0	5.0
Truckee 2	6400’	14.3	6.4	44.8	6.4	6.2
LAKE TAHOE BASIN						
Heavenly Valley	8800’	28.1	7.8	27.8	7.8	8.0
Hagans Meadow	8000’	16.5	4.7	28.5	4.7	4.7
Marlette Lake	8000’	21.1	4.2	19.9	4.2	4.2
Echo Peak 5	7800’	39.5	9.6	24.3	9.6	9.6
Rubicon Peak 2	7500’	29.1	5.0	17.2	5.0	5.0
Tahoe City Cross	6750’	16.0	3.3	20.6	3.3	3.4
Ward Creek 3	6750’	39.4	8.6	21.8	8.7	8.7
Fallen Leaf Lake	6250’	7.0	1.1	15.7	1.1	1.0
CARSON RIVER						
Ebbetts Pass	8700’	38.8	7.4	19.1	7.4	7.3
Horse Meadow	8557’	—	6.0	—	6.0	6.2
Burnside Lake	8129’	—	6.5	—	6.5	6.4
Forestdale Creek	8017’	—	9.5	—	9.5	9.5
Poison Flat	7900’	16.2	6.8	42.0	6.8	6.7
Monitor Pass	8350’	—	3.5	—	3.5	3.6
Spratt Creek	6150’	4.5	1.2	26.7	1.3	1.2
WALKER RIVER						
Leavitt Lake	9600’	—	16.7	—	16.8	16.6
Summit Meadow	9313’	—	—	—	—	—
Virginia Lakes	9300’	20.3	2.7	13.3	2.4	2.0
Lobdell Lake	9200’	17.3	1.5	8.7	1.5	1.7
Sonora Pass Bridge	8750’	26.0	3.2	12.3	3.2	3.3
Leavitt Meadows	7200’	8.0	2.8	35.0	2.8	2.8
OWENS RIVER/MONO LAKE						
Gem Pass	10750’	31.7	4.8	15.0	4.8	4.5
Sawmill	10200’	19.4	2.9	14.7	2.9	2.6
Cottonwood Lakes	10150’	11.6	3.2	27.4	3.2	2.4
Big Pine Creek	9800’	17.9	1.4	8.0	1.4	1.2
South Lake	9600’	16.0	3.8	24.0	3.8	3.7
Mammoth Pass	9300’	42.4	7.6	17.8	7.6	7.6
Rock Creek Lakes	10000’	14.0	4.5	32.1	4.5	4.3

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 75th Western Snow Conference (WSC) annual meeting will be held in Kona, Hawaii April 16-19, 2007. This meeting will be hosted by the South Pacific Region. Further information is at http://www.westernsnowconference.org/ or contact Frank Gehrke 916-574-2635

Depicted on this month's cover is a scene from early October, 2006 near Ebbetts Pass on State Highway 4. Photo by Dave Hart.

SNOWPACK-Snow data is a major index of spring and summer runoff from Sierra Nevada watersheds. April 1 data historically reflects the magnitude of the snowpack at or near the maximum seasonal accumulation. Averages are based on April 1 data for the period 1951-2000 (50 years, except for data sites established after 1951).

PRECIPITATION -Averages are based on data for the period 1951-2000 (50 years, except for data sites established after 1951).

RUNOFF AND FORECASTS -Runoff data and runoff forecasts are shown as unimpaired values. Unimpaired runoff represents the natural water production of a river basin, unaltered by upstream diversions, storage, or by export or import of water to or from other watersheds. Forecast of runoff assumes median conditions subsequent to the date of forecast.

Runoff probability ranges are statistically derived from historical data. The 80 percent probability range is comprised of the 90 percent exceedence level value and the 10 percent exceedence level value. This means that actual runoff should fall within the stated limits eight times out of ten.

Runoff averages for most streams are based on the period 1956-2005.

Reservoir storage averages are based on the period from 1956 (or beginning of operation) to 2005.

For more details contact California Cooperative Snow Surveys, P.O. Box 219000, Sacramento, CA 95821-9000, (916) 574-2635 or gridley@water.ca.gov.

INDICES OF WATER AVAILABILITY

The Sacramento River water year unimpaired runoff is the sum of: Sacramento River above Bend Bridge, Feather River Inflow to Lake Oroville, Yuba River near Smartville and American River Inflow to Folsom Lake.

The Sacramento Valley Water Year Hydrologic Classification (40-30-30 Index). The values 40-30-30 represent the percentage weight given to the three variables in the formula for the index. The first variable is the forecasted unimpaired runoff from April through July (40 percent). The second variable is the forecasted unimpaired runoff from October through March (30 Percent). The third variable is the previous year's index with a cap to account for required flood control releases during wet years. The basins used in this computation are those used in the Sacramento River water year unimpaired runoff.

The San Joaquin Valley Water Year Hydrologic Classification (60-20-20 Index). In a similar manner the values 60-20-20 represents the percentage weights on April through July runoff, October through March runoff and previous year's Index. The San Joaquin River unimpaired runoff is the sum of: Stanislaus River Inflow to New Melones Lake, Tuolumne River Inflow to New Don Pedro Reservoir, Merced River Inflow to Lake McClure and San Joaquin River Inflow to Millerton Lake.

Runoff of the eight major rivers of the Sacramento and San Joaquin Regions is the sum of the runoff in the eight major rivers used in the two above indices.

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First Class