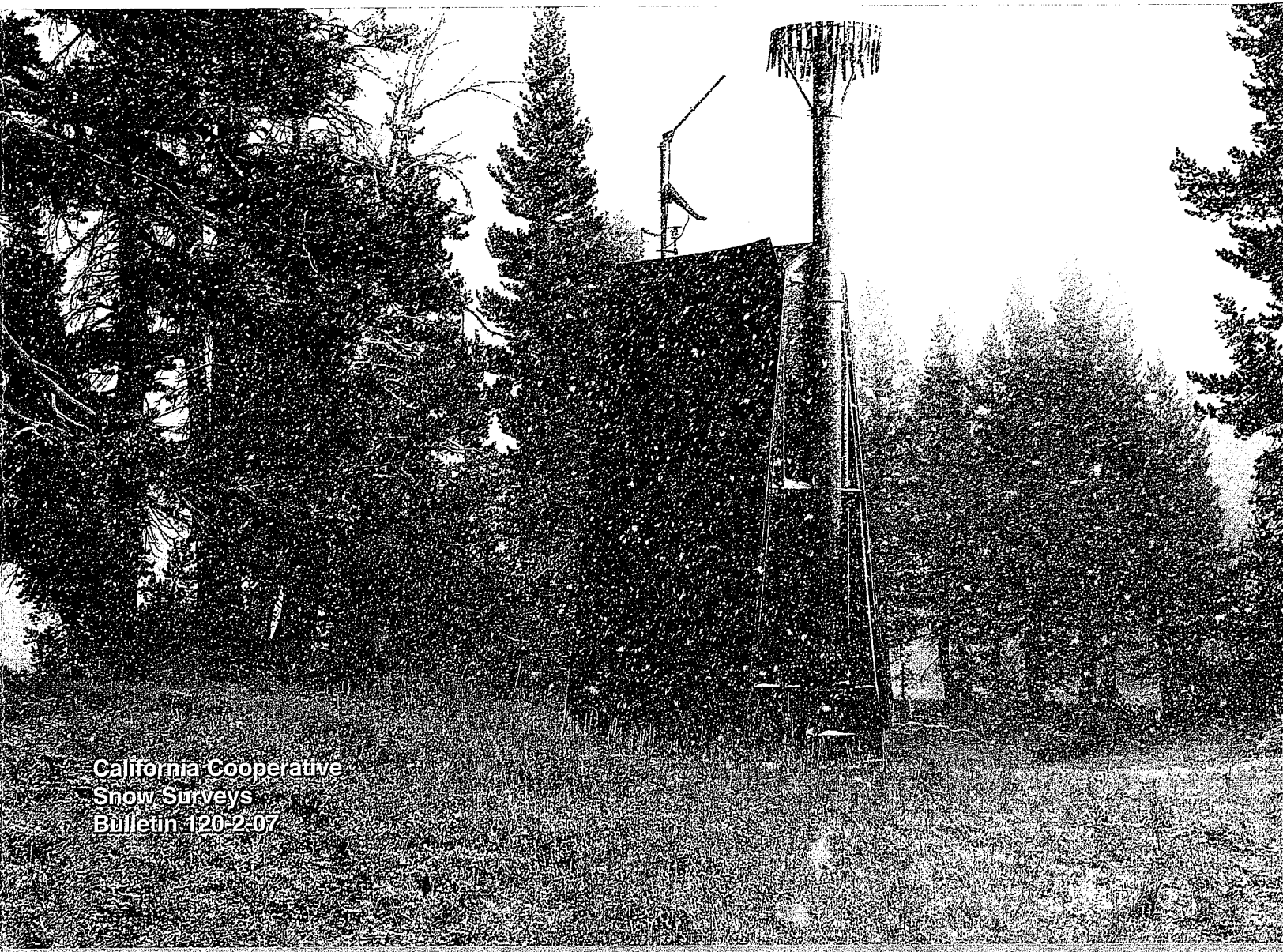

California Cooperative
Snow Surveys
Bulletin 120-2-07

State of California
The Resources Agency

Department of
Water Resources

Water Conditions in California

Report 1 March 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
March 1, 2007

The month of February was the wettest of the water year with two welcomed stormy periods bringing much needed rain and snow to northern and central California. The snowpack increase was about 1 ½ times the average February amount which boosted the water supply outlook, although not completely making up for the deficit in January. About 25 percent of the rainy season remains.

Forecasts of April through July runoff have improved from those of one month ago and are now projected to be 65 percent of average, again better in the north than the south. Water year forecasts are also up at about 65 percent overall.

Snowpack water content is about 70 percent of average for the date compared to 85 percent last year. The pack is 60 percent of the April 1 average, the normal date of maximum accumulation.

Precipitation from October through February was about 70 percent of average compared to 120 percent one year ago. The range is from 90 percent in the North Coast to only 5 percent in the Colorado River-Desert region. February precipitation was about 130 percent of average.

Runoff has been about 55 percent of average so far and reflects the previously mentioned gradient from north to south. Last year seasonal runoff was 160 percent of average. February runoff was somewhat above seasonal runoff at 70 percent of average. Estimated runoff of the eight major rivers of the Sacramento and San Joaquin River region during February was 2.1 million acre-feet.

Reservoir storage is slightly over average at 105 percent compared to 120 percent last year. The gain during February was slightly less than average, but most reservoirs in the State remain at good levels for this time of year.

SUMMARY OF WATER CONDITIONS
IN PERCENT OF AVERAGE

HYDROLOGIC REGION	PRECIPITATION OCTOBER 1 TO DATE	MARCH 1 SNOW WATER CONTENT	MARCH 1 RESERVOIR STORAGE	RUNOFF OCTOBER 1 TO DATE	APR-JULY RUNOFF FORECAST	WATER YEAR RUNOFF FORECAST
NORTH COAST	90	95	105	65	70	65
SAN FRANCISCO BAY	85	--	85	30	--	--
CENTRAL COAST	60	--	120	15	--	--
SOUTH COAST	35	--	90	25	--	--
SACRAMENTO RIVER	75	70	100	60	70	65
SAN JOAQUIN RIVER	75	70	115	40	65	60
TULARE LAKE	60	55	100	45	55	50
NORTH LAHONTAN	65	65	135	70	60	65
SOUTH LAHONTAN	35	45	105	95	60	60
COLORADO RIVER-DESERT	5	--	--	--	--	--
STATEWIDE	70	70	105	55	65	65

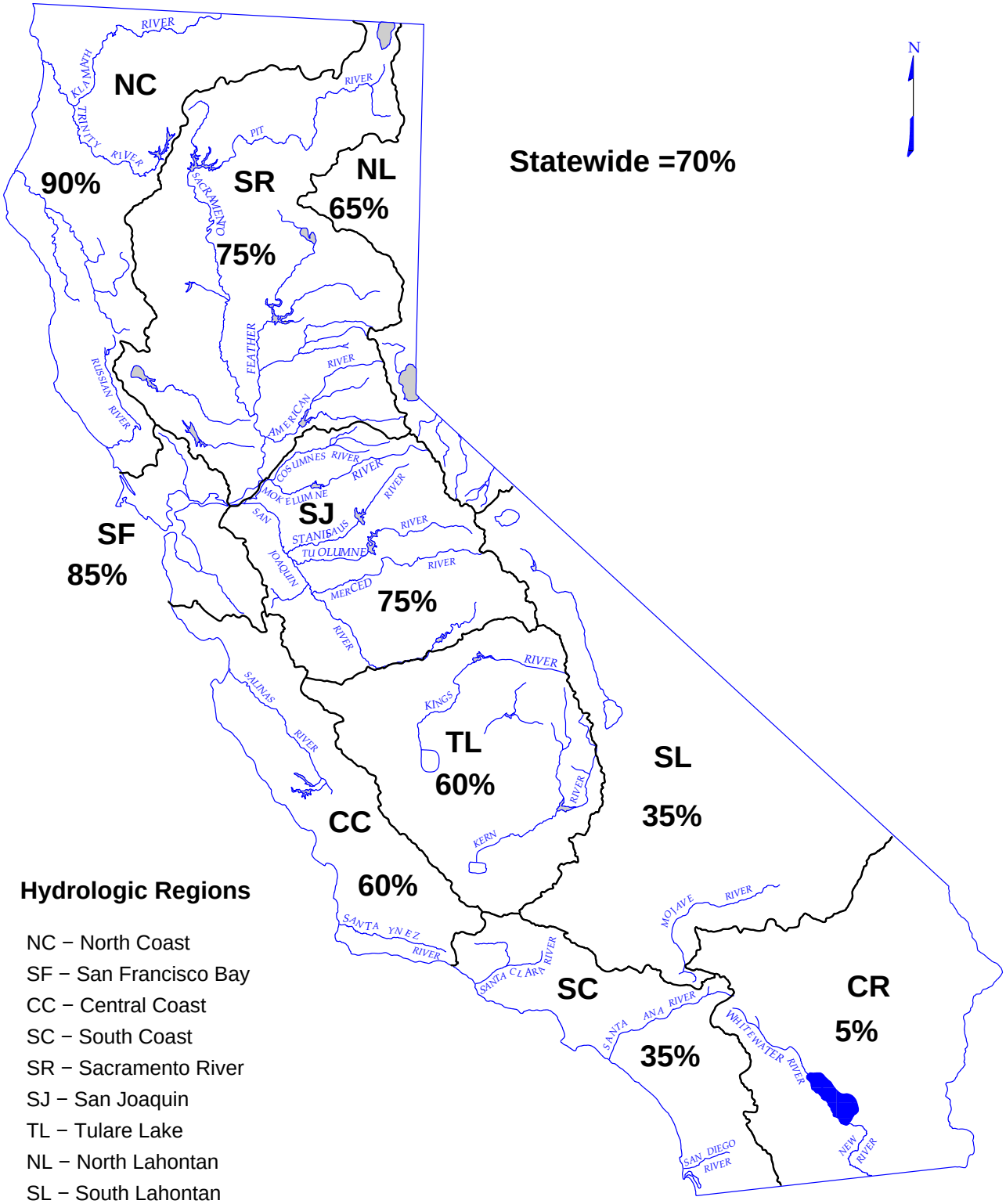
DEPARTMENT OF WATER RESOURCES

CALIFORNIA COOPERATIVE SNOW SURVEYS

SEASONAL PRECIPITATION

IN PERCENT OF AVERAGE TO DATE

October 1, 2006 through February 28, 2007

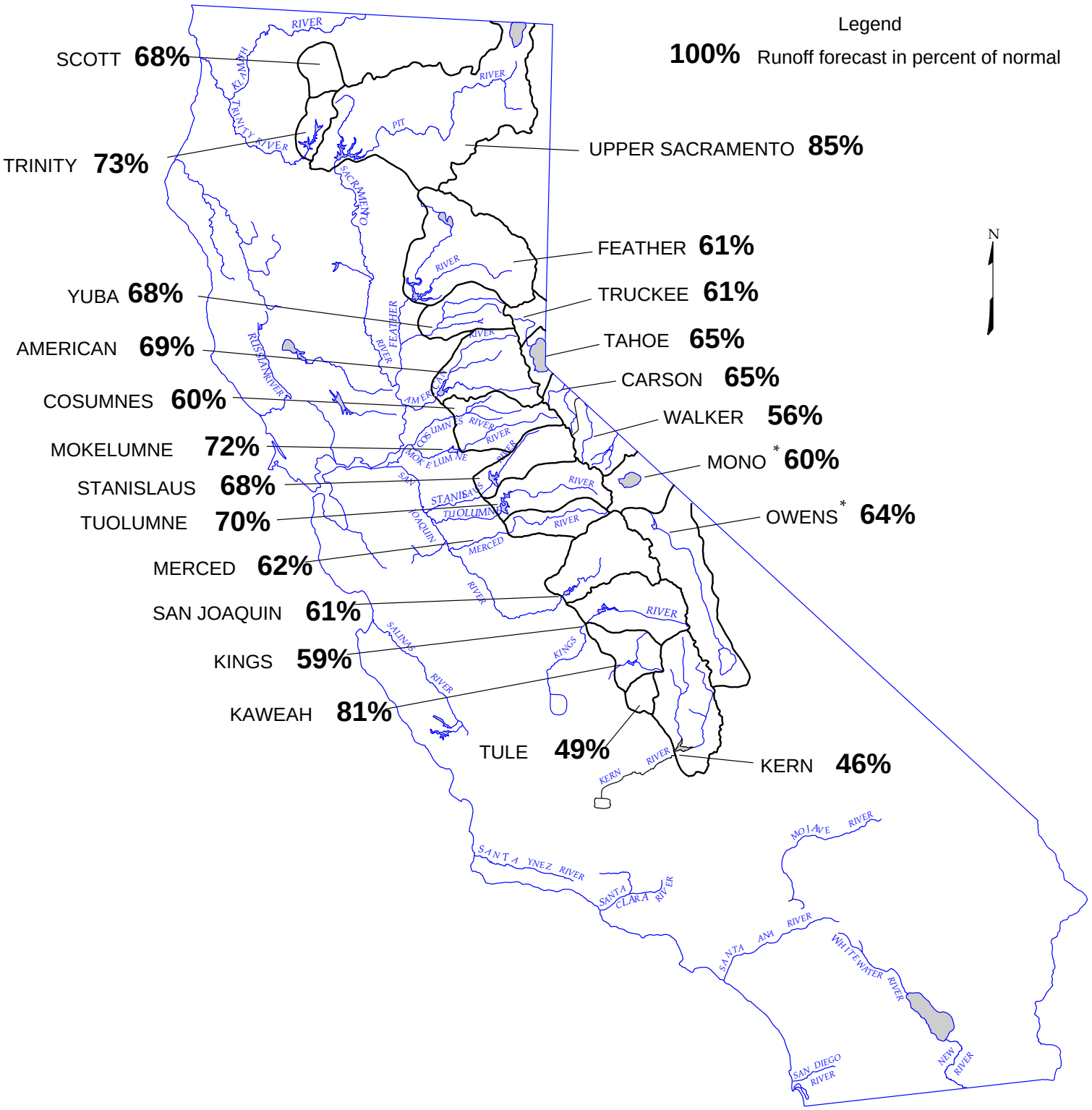


Hydrologic Regions

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
March 1, 2007



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

MARCH 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	220	74%	
McCloud River above Shasta Lake	392	850	185	340	87%	
Pit River near Montgomery Creek + Squaw Creek	1,066	2,098	480	880	83%	
Total Inflow to Shasta Lake	1,819	3,525	726	**1,550**	85%	1,040 - 2,350
Sacramento River above Bend Bridge, near Red Bluff	2,494	5,075	943	**2,020**	81%	1,360 - 3,130
Feather River						
Feather River at Lake Almanor near Prattville (3)	333	675	120	200	60%	
North Fork at Pulga (3)	1,028	2,416	243	620	60%	
Middle Fork near Clio (4)	86	518	4	55	64%	
South Fork at Ponderosa Dam (3)	110	267	13	65	59%	
Feather River at Oroville	1,782	4,676	392	**1,090**	61%	740 - 1,900
Yuba River						
North Yuba below Goodyears Bar (3)	286	647	51	180	63%	
Inflow to Jackson Mdws and Bowman Reservoirs (3)	112	236	25	80	71%	
South Yuba at Langs Crossing (3)	233	481	57	150	64%	
Yuba River near Smartville plus Deer Creek	1,006	2,424	200	**680**	68%	440 - 1,180
American River						
North Fork at North Fork Dam (3)	262	716	43	170	65%	
Middle Fork near Auburn (3)	522	1,406	100	350	67%	
Silver Creek Below Camino Diversion Dam (3)	173	386	37	110	64%	
American River below Folsom Lake	1,240	3,074	229	**850**	69%	540 - 1,390
SAN JOAQUIN RIVER						
Cosumnes River at Michigan Bar	126	363	8	**75**	60%	40 - 175
Mokelumne River						
North Fork near West Point (5)	437	829	104	300	69%	
Total Inflow to Pardee Reservoir	461	1,065	102	**330**	72%	210 - 550
Stanislaus River						
Middle Fork below Beardsley Dam (3)	334	702	64	230	69%	
North Fork Inflow to McKays Point Dam (3)	224	503	34	150	67%	
Stanislaus River below Goodwin Reservoir (7)	702	1,710	116	**480**	68%	290 - 780
Tuolumne River						
Cherry Creek & Eleanor Creek near Hetch Hetchy (3)	322	727	97	220	68%	
Tuolumme River near Hetch Hetchy (3)	606	1,392	153	440	73%	
Tuolumne River below La Grange Reservoir (7)	1,220	2,682	301	**850**	70%	550 - 1,320
Merced River						
Merced River at Pohono Bridge (3)	362	888	80	230	64%	
Merced River below Merced Falls (7)	632	1,587	123	**390**	62%	250 - 690
San Joaquin River						
San Joaquin River at Mammoth Pool (6)	1,014	2,279	235	630	62%	
Big Creek below Huntington Lake (6)	95	264	11	55	58%	
South Fork near Florence Lake (6)	202	511	58	130	64%	
San Joaquin River inflow to Millerton Lake	1,254	3,355	262	**770**	61%	460 - 1,280
TULARE LAKE						
Kings River						
North Fork Kings River near Cliff Camp (3)	239	565	50	140	59%	
Kings River below Pine Flat Reservoir	1,224	3,113	274	**720**	59%	420 - 1,190
Kaweah River below Terminus Reservoir	286	814	62	**155**	54%	110 - 295
Tule River below Lake Success	64	259	2	**31**	49%	18 - 74
Kern River						
Kern River near Kernville (3)	373	1,203	83	190	51%	
Kern River inflow to Lake Isabella	461	1,657	84	**210**	46%	135 - 460

(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

MARCH 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	610	600	580	470	280	220	380	**4,470**	73%	3,795	- 5,775
8,907	17,180	3,294	1,880	910	1,010	770	610	370	270	470	**6,290**	71%	5,320	- 7,890
780	1,269	366												
2,417	4,400	666												
219	637	24												
291	562	32												
4,620	9,492	994	685	460	410	475	360	160	95	135	**2,780**	60%	2,225	- 3,740
564	1,056	102												
181	292	30												
379	565	98												
2,373	4,926	369	265	250	230	260	290	105	25	25	**1,450**	61%	1,090	- 2,130
616	1,234	66												
1,070	2,575	144												
318	705	59												
2,719	6,382	349	210	260	280	310	365	150	25	10	**1,610**	59%	1,150	- 2,405
390	1,253	20	25	35	60	40	26	7	2	2	**197**	51%	125	- 365
626	1,009	197												
755	1,800	129	55	45	65	100	150	70	10	2	**497**	66%	350	- 770
471	929	88												
1,171	2,952	155	85	80	95	140	200	110	30	10	**750**	64%	530	- 1,140
461	1,147	123												
770	1,661	258												
1,951	4,631	383	85	95	170	210	330	250	60	15	**1,215**	62%	860	- 1,830
461	1,020	92												
1,007	2,787	150	40	40	70	110	160	100	20	5	**545**	54%	370	- 910
1,337	2,964	308												
112	298	14												
248	653	71												
1,836	4,642	362	85	45	105	165	280	230	95	40	**1,045**	57%	690	- 1,670
284	607	58												
1,721	4,287	386	85	35	85	150	275	220	75	35	**960**	56%	640	- 1,580
454	1,402	94	23	12	31	40	70	35	10	5	**226**	50%	170	- 400
148	615	16	11	6	15	14	11	5	1	2	**65**	44%	50	- 140
558	1,577	163												
730	2,318	175	75	20	35	50	75	65	20	25	**365**	50%	260	- 690

* 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.

MARCH 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	**480**	73%
Scott River					
Scott River near Fort Jones (6)	200	400	30	**135**	68%
Klamath River					
Total inflow to Upper Klamath Lake (4)	515	939	149	**415**	81%
NORTH LAHONTAN					
Truckee River					
Lake Tahoe to Farad accretions	261	713	52	**160**	61%
Lake Tahoe Rise (assuming gates closed, ft),(6)	1.4	5.4	0.2	**0.9**	65%
Carson River					
West Fork Carson River at Woodfords	54	135	12	**36**	66%
East Fork Carson River near Gardnerville	187	407	43	**120**	64%
Walker River					
West Walker River below Little Walker, near Coleville	154	330	35	**90**	58%
East Walker River near Bridgeport	64	209	7	**33**	52%
SOUTH LAHONTAN					
Owens River					
Total tributary flow to Owens River (5)	235	579	96	**151**	64%

MARCH 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	**1,000**	72%	795 - 1355

(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.

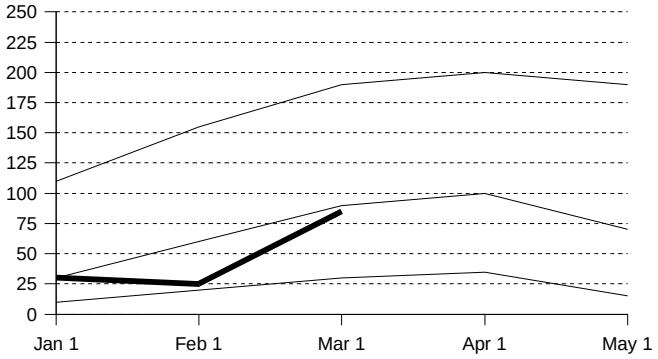
(4) Forecast by U.S. Natural Resources Conservation Service and National Weather Service California-Nevada River Forecast Center, April through September forecast, 30 year average based on years 1971-2000.

(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

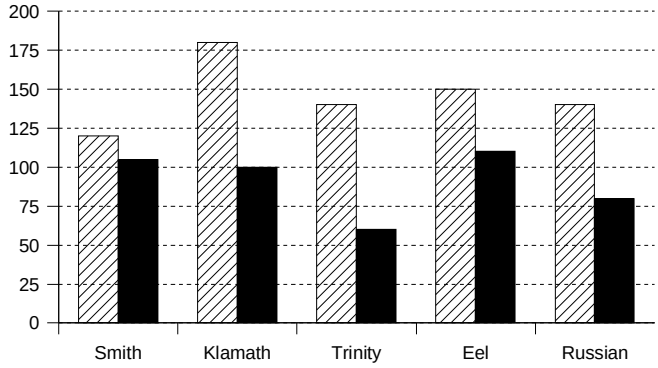
Snowpack Accumulation

Water Content in % of April 1 Average



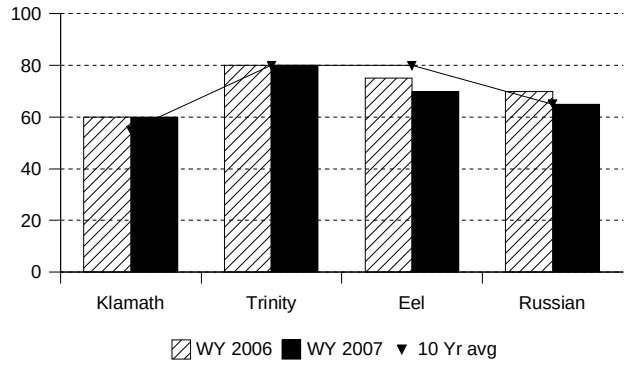
Precipitation

October 1 to date in % of Average



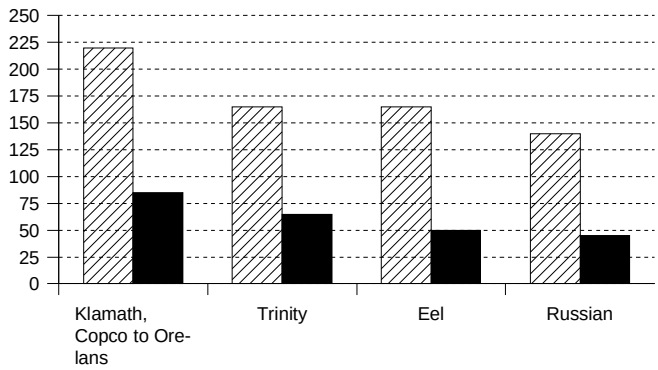
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



NORTH COAST REGION

SNOWPACK- First off the month measurements made at 6 snow courses indicate an area wide snow water equivalent of 21.0 inches. This is 85 percent of the March 1 average and 95 percent of the seasonal (April 1) average. Last year at this time the pack was holding 26.4 inches of water.

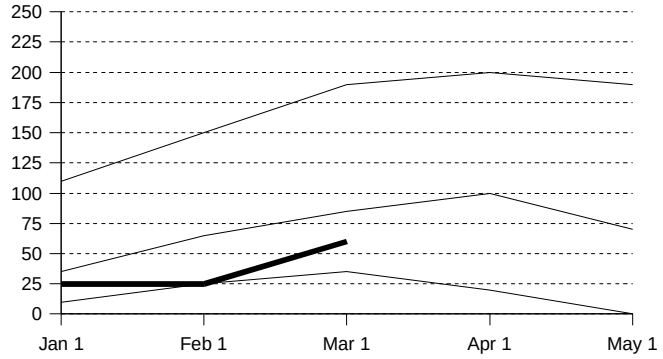
PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on this area was 90 percent of normal. Precipitation last month was about 165 percent of the monthly average. Seasonal precipitation at this time last year stood at 145 percent of normal.

RESERVOIR STORAGE- First of the month storage in 6 reservoirs was 2.3 million acre-feet which is 105 percent of average. About 75 percent of available capacity was being used. Storage in these reservoirs at this time last year was 110 percent of average.

RUNOFF -Seasonal runoff of streams draining the area totaled 4.8 million acre-feet which is 65 percent of the average for this period. Last year, runoff for the same period was 180 percent of average.

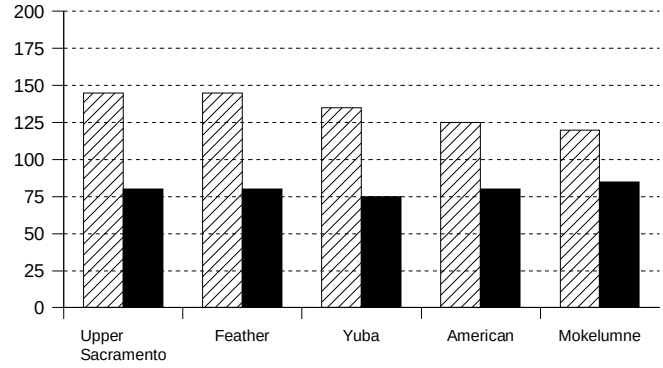
Snowpack Accumulation

Water Content in % of April 1 Average



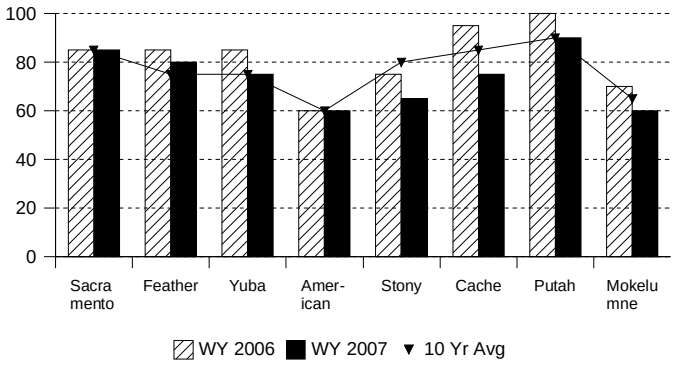
Precipitation

October 1 to date in % of Average



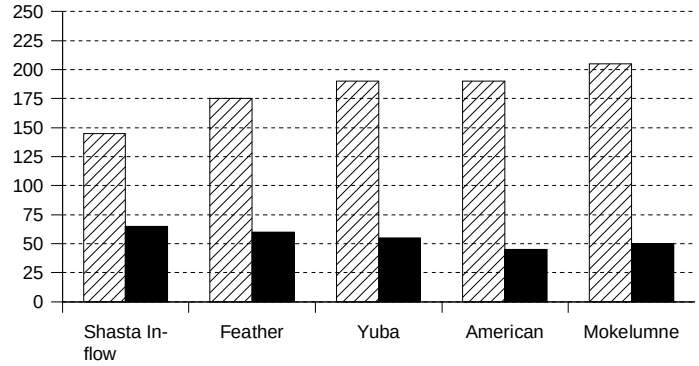
Reservoir Storage

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 62 snow courses indicate an area wide snow water equivalent of 18.8 inches. This is 70 percent of the March 1 average and 60 percent of the seasonal (April 1) average. Last year at this time the pack was holding 17.7 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 150 percent of the monthly average. Seasonal precipitation at this time last year stood at 135 percent of normal.

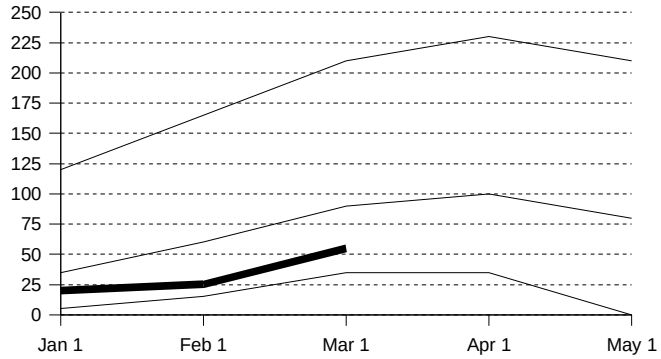
RESERVOIR STORAGE- First of the month storage in 43 reservoirs was 11.1 million acre-feet which is 100 percent of average. About 70 percent of available capacity was being used. Storage in these reservoirs at this time last year was 120 percent of average.

RUNOFF - Seasonal runoff of streams draining the area totaled 4.9 million acre-feet which is 60 percent of average for this period. Last year, runoff for the same period was 160 percent of average.

The **Sacramento Region 40-30-30 Water Supply Index** is forecast to be 6.9 assuming median meteorological conditions for the remainder of the year. This classifies the year as " below normal" in the Sacramento Valley according to the State Water Resources Control Board.

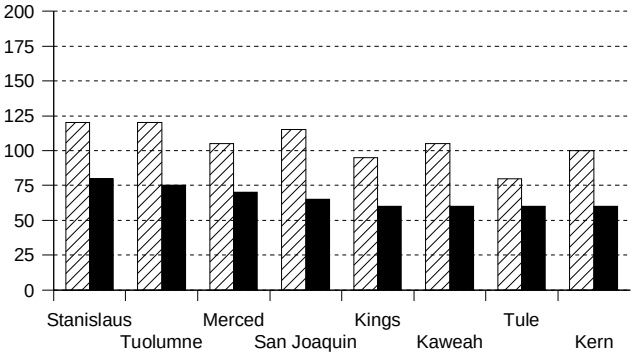
Snowpack Accumulation

Water Content in % of April 1 Average



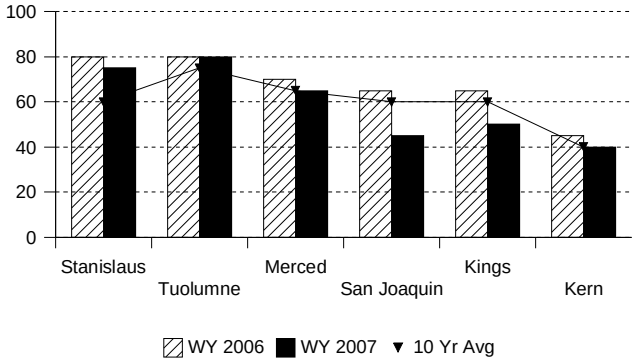
Precipitation

October 1 to date in % of Average



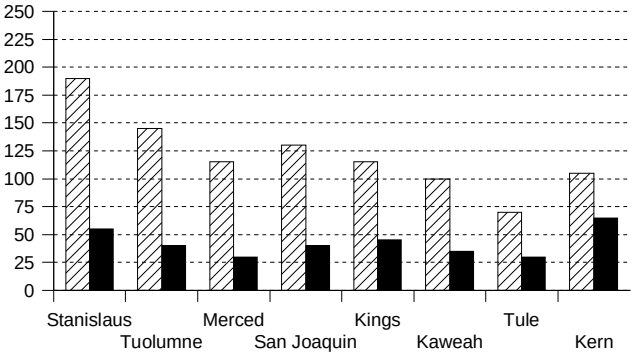
Reservoir Storage

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 Region** snow courses indicate an area wide snow water equivalent of 18.6 inches. This is 70 percent of the March 1 average and 60 percent of seasonal (April 1) average. Last year at this time the pack was holding 27.5 inches of water. At the same time 33 **Tulare Lake Region** snow courses indicated a basin-wide snow water equivalent of 12.2 inches which is 55 percent of the average for March 1 and 50 percent of the seasonal average. Last year at this time the basin was holding 19.6 inches of water.

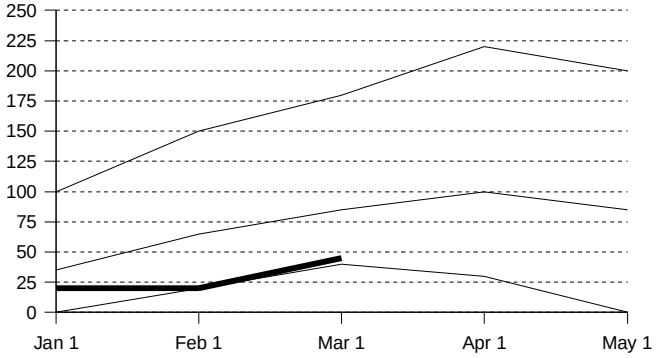
PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **San Joaquin Region** was 135 percent of normal. Precipitation last month was about 75 percent of the monthly average. Seasonal precipitation at this time last year stood at 110 percent of normal. Seasonal precipitation on the **Tulare Lake Region** was 60 percent of normal. Precipitation last month was about 100 percent of the monthly average. Seasonal precipitation at this time last year stood at 90 percent of normal.

RESERVOIR STORAGE- First of the month storage in 34 **San Joaquin Region** reservoirs was 8.3 million acre-feet which is 115 percent of average. About 75 percent of available capacity was being used. Storage at this time last year was 125 percent of average. First of the month storage in 6 **Tulare Lake Region** reservoirs was 860 thousand acre-feet which is 100 percent of average and about 40 percent of available capacity. Storage in at this time last year was 130 percent of average.

RUNOFF- Seasonal runoff of streams draining the **San Joaquin Region** totaled 715 thousand acre-feet which is 40 percent of average for this period. Last year, runoff for the same period was 150 percent of average. Seasonal runoff of streams draining the **Tulare Lake Basin** totaled 275 thousand acre-feet which is 45 percent of average for this period. Last year runoff for this same period was 105 percent of average. The **San Joaquin Region 60-20-20 Water Supply Index** is forecast to be 2.3 assuming 75 percent meteorological conditions. This classifies the year as "dry" in the San Joaquin Region according to the State Water Resources Control Board.

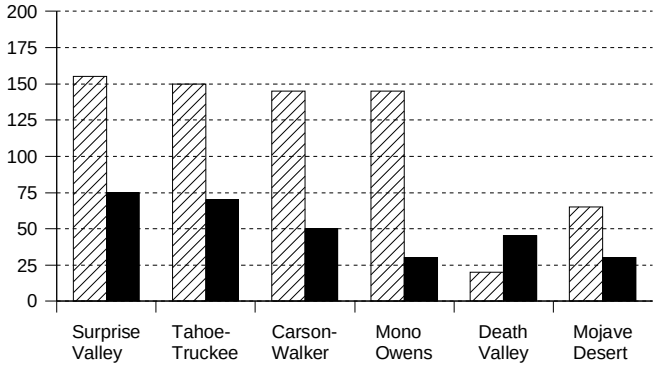
Snowpack Accumulation

Water Content in % of April 1 Average



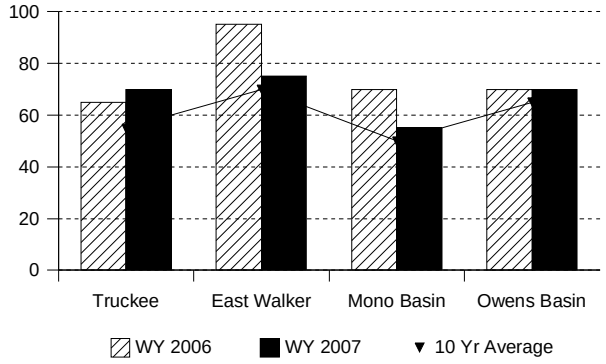
Precipitation

October 1 to date in % of Average



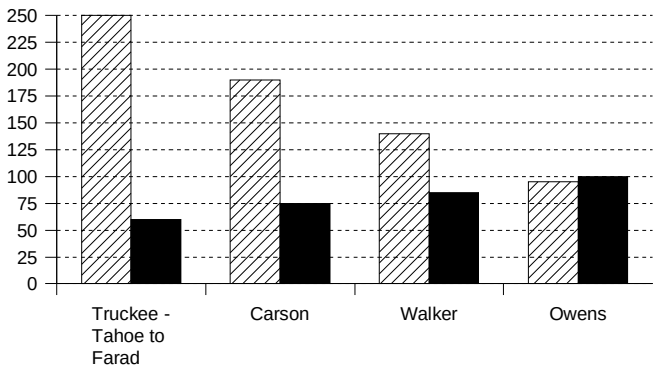
Reservoir Storage

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 16.4 inches. This is 65 percent of the March 1 average and 60 percent of seasonal (April 1) average. Last year at this time the pack was holding 22.6 inches of water. At the same time 17 **South Lahontan Region** snow courses indicated a basin-wide snow water equivalent of 8.1inches which is 45 percent of the average for March 1 and 35 percent of the seasonal average. Last year at this time the basin was holding 22.7 inches of water.

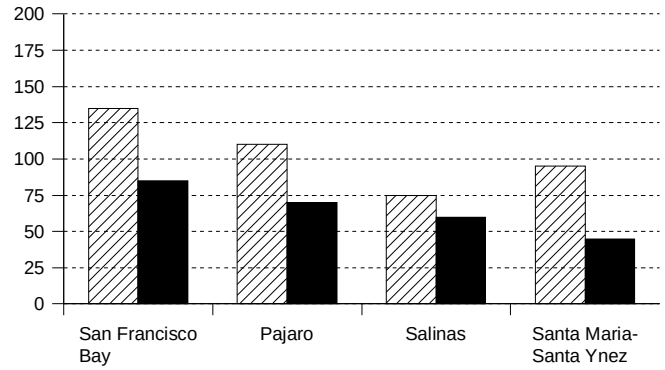
PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **North Lahontan** was 65 percent of normal. Precipitation last month was about 155 percent of the monthly average. Seasonal precipitation at this time last year stood at 150 percent of normal. Seasonal precipitation on the **South Lahontan** was 35 percent of normal. Precipitation last month was about 30 percent of the monthly average. Seasonal precipitation at this time last year stood at 80 percent of normal.

RESERVOIR STORAGE- First of the month storage in 5 **North Lahontan** reservoirs was 755 thousand acre-feet which is 135 percent of average. About 70 percent of available capacity was being used. Storage in these reservoirs at this time last year was 125 percent of average. Lake Tahoe was 4.1 feet above its natural rim on March 1. First of the month storage in 8 **South Lahontan** reservoirs was 283 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 115 percent of average.

RUNOFF- Seasonal runoff of streams draining the **North Lahontan Region** totaled 146 thousand acre-feet which is 70 percent of average for this period. Last year, runoff for the same period was 210 percent of average. Seasonal runoff of the Owens River in the **South Lahontan Region** totaled 53 thousand acre-feet which is 100 percent of average for this period. Last year runoff for this same period was at 95 percent of average.

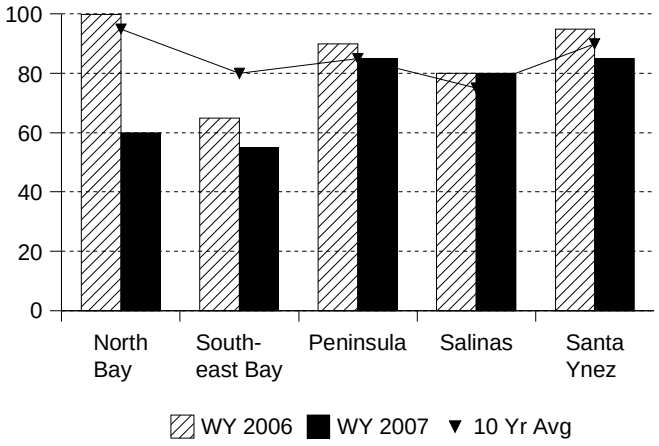
Precipitation

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 85 percent of normal. Precipitation last month was about 155 percent of the monthly average. Seasonal precipitation at this time last year stood at 135 percent of normal.
Seasonal precipitation on the **Central Coast Region** was 95 percent of normal. Precipitation last month was about 60 percent of the monthly average. Seasonal precipitation at this time last year stood at 95 percent of normal.

RESERVOIR STORAGE- First of the month storage in 14 **San Francisco Bay Region** reservoirs was 328 thousand acre-feet which is 85 percent of average. About 60 percent of available capacity was being used. Storage in these reservoirs at this time last year was 105 percent of average.
First of the month storage in 6 **Central Coast Region** reservoirs was 779 thousand acre-feet which is 120 percent of average and about 80 percent of available capacity. Storage in these reservoirs at this time last year was 125 percent of average.

RUNOFF- Seasonal runoff of the Napa River in the **San Francisco Bay Region** totaled 16 thousand acre-feet which is 30 percent of average for this period. Last year, runoff for the same period was 130 percent of average. Seasonal runoff of streams draining the **Central Coast Region** totaled 27 thousand acre-feet which is 15 percent of average for this period. Last year runoff for this same period was 65 percent of average.

SOUTH COAST AND COLORADO RIVER REGIONS

PRECIPITATION - October through February (seasonal) precipitation on the **South Coast Region** was 35 percent of normal. February precipitation was 50 percent of the monthly average. Seasonal precipitation at this time last year was 45 percent of normal. Seasonal precipitation on the **Colorado River-Desert Region** was 5 percent of normal and last year's seasonal precipitation on the **Colorado River-Desert Region** was 50 percent of normal. Precipitation in February was 5 percent of average.

RESERVOIR STORAGE - March 1 storage in 29 major **South Coast Region** reservoirs was 1.3 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 about average. On March 1 combined storage in Lakes Powell, Mead, Mohave and Havasu was about 28 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 about 26 million acre-feet.

RUNOFF - Seasonal runoff from selected **South Coast Region** streams totaled 8 thousand acre-feet which is 25 percent of average. Seasonal runoff from these streams last year was 65 percent of average.

COLORADO RIVER - The April -July inflow to Lake Powell is forecast to be 5.6 million acre-feet, which is 71 percent of average. The March 1 snowpack in the was 60 percent, highest in Upper Colorado River basin at 95 percent of average and lowest on the Colorado Plateau at 54 percent.

CENTRAL VALLEY PROJECT

As of February 28, 2007, CVP storage was 9.0 million acre-feet, which is a decrease of 0.17 million acre-feet compared to one year ago and is approximately 106% of normal for that date.

On February 15, 2007, the Bureau of Reclamation notified Sacramento River Settlement Contractors, San Joaquin River Exchange Contractors, and contractors receiving water from the Mendota Pool of allocation reductions of 25 percent. The initial 2007 water supply allocation for the other CVP contractors followed on February 23, 2007.

Based on a conservative water supply forecast prepared from information available February 1, 2007, and a forecasted water year inflow into Shasta Reservoir of 3.1 million acre-feet, CVP water supplies were:

Agricultural contractors North of Delta 75% and South of Delta 35%; Urban contractors North of Delta 75% and South of Delta 75%; Sacramento River water rights and San Joaquin Exchange Contractors 75%; Wildlife Refuges 75%; Eastside Division contractors (Stanislaus River) projected to be 16% (25,000 acre-feet); Friant Division contractors 50% of Class 1 and 0% of Class 2. Updated allocations will be announced in mid-March.

The forecast of CVP operations is available on the Mid-Pacific Region's website at http://www.usbr.gov/mp.

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 February 2006 1,000 AF	2007 1,000 AF	PERCENT AVERAGE	PERCENT CAPACITY
STATE WATER PROJECT						
Lake Oroville	3,538	2,523	3,008	3,009	119%	85%
San Luis Reservoir (SWP)	1,062	943	1,144	1,153	122%	109%
Lake Del Valle	77	34	36	28	80%	36%
Lake Silverwood	73	66	72	66	100%	90%
Pyramid Lake	171	163	164	161	99%	94%
Castaic Lake	325	271	273	222	82%	68%
Perris Lake	132	117	66	68	58%	52%
CENTRAL VALLEY PROJECT						
Trinity Lake	2,448	1,851	2,007	1,900	103%	78%
Lake Shasta	4,552	3,370	3,834	3,772	112%	83%
Whiskeytown Lake	241	207	208	206	99%	85%
Folsom Lake	977	554	445	589	106%	60%
New Melones Reservoir	2,420	1,440	2,016	2,001	139%	83%
Millerton Lake	520	345	402	209	61%	40%
San Luis Reservoir (CVP)	971	816	875	743	91%	77%
COLORADO RIVER PROJECT						
Lake Mead	26,159	20,494	15,520	14,288	70%	55%
Lake Powell	24,322	18,176	10,793	11,552	64%	47%
Lake Mohave	1,810	1,683	1,626	1,638	97%	90%
Lake Havasu	619	550	547	542	99%	88%
EAST BAY MUNICIPAL UTILITY DISTRICT						
Pardee Res	198	181	177	176	98%	89%
Camanche Reservoir	417	252	265	307	122%	74%
East Bay (4 res.)	147	132	124	115	87%	78%
CITY AND COUNTY OF SAN FRANCISCO						
Hetch-Hetchy Reservoir	360	148	261	226	152%	63%
Cherry Lake	268	125	240	249	199%	93%
Lake Eleanor	26	10	20	15	142%	56%
South Bay/Peninsula (4 res.)	225	172	157	151	88%	67%
CITY OF LOS ANGELES (D.W.P.)						
Lake Crowley	183	126	140	135	107%	74%
Grant Lake	48	27	41	37	135%	77%
Other Aqueduct Storage (6 res.)	83	75	58	57	76%	69%

TELEMETERED SNOW WATER EQUIVALENTS

March 1, 2007

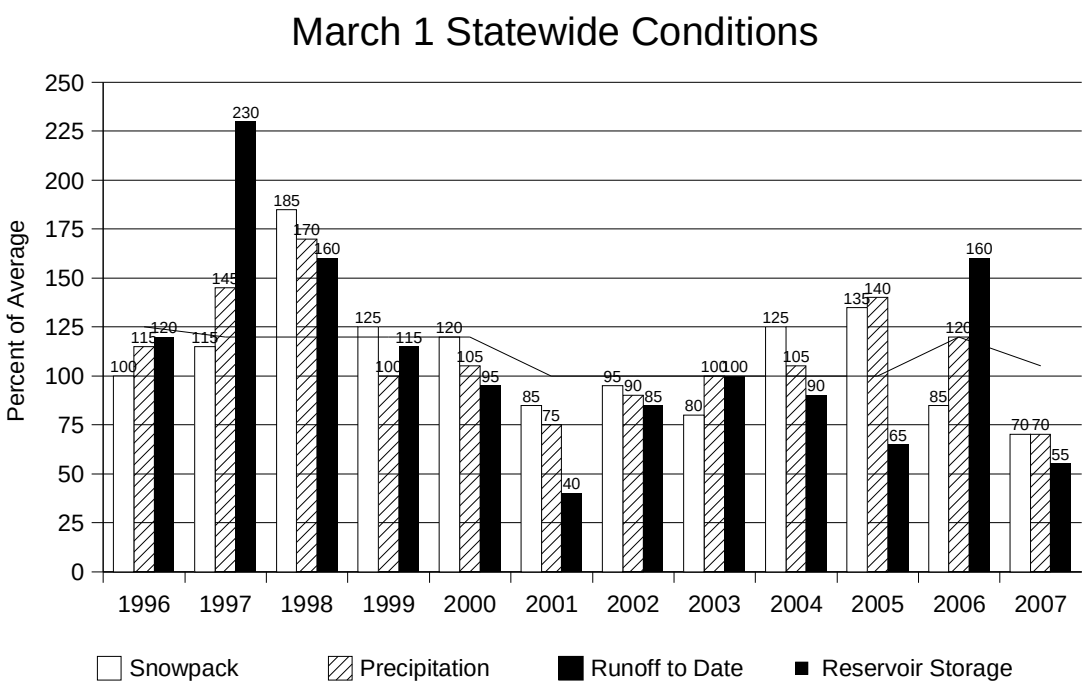
(AVERAGES BASED ON PERIOD RECORD)

BASIN NAME			INCHES OF WATER EQUIVALENT			
		APRIL 1		PERCENT	24 HRS	1 WEEK
STATION NAME	ELEV	AVERAGE	Mar 1	OF AVERAGE	PREVIOUS	PREVIOUS
TRINITY RIVER						
Peterson Flat	7150’	29.2	14.3	49.1	14.3	10.6
Red Rock Mountain	6700’	39.6	24.1	60.7	24.1	21.2
Bonanza King	6450’	40.5	28.0	69.0	28.0	22.0
Shimmy Lake	6400’	40.3	29.5	73.2	29.5	25.3
Middle Boulder 3	6200’	28.3	23.1	81.6	23.1	17.3
Highland Lakes	6030’	29.9	19.1	63.8	18.8	15.2
Scott Mountain	5900’	16.0	13.3	83.2	13.3	8.4
Mumbo Basin	5650’	22.4	17.2	76.6	17.2	11.5
Big Flat	5100’	15.8	16.7	105.6	16.7	11.5
Crowder Flat	5100’	—	1.9	—	1.9	0.2
SACRAMENTO RIVER						
Cedar Pass	7100’	18.1	11.3	62.4	11.3	7.7
Blacks Mountain	7050’	12.7	5.6	44.4	5.6	4.6
Sand Flat	6750’	42.4	28.4	67.0	28.4	23.4
Medicine Lake	6700’	32.6	24.0	73.6	24.0	18.0
Adin Mountain	6200’	13.6	9.3	68.4	9.3	6.8
Snow Mountain	5950’	27.0	20.7	76.6	20.7	12.0
Slate Creek	5700’	29.0	19.3	66.6	19.3	13.1
Stouts Meadow	5400’	36.0	21.7	60.2	21.7	15.2
FEATHER RIVER						
Kettle Rock	7300’	25.5	21.4	83.8	21.4	10.7
Grizzly Ridge	6900’	29.7	20.2	67.9	20.2	12.0
Pilot Peak	6800’	52.6	16.9	32.2	16.9	7.2
Gold Lake	6750’	36.5	24.8	68.1	24.8	15.4
Humbug	6500’	28.0	24.2	86.6	24.2	12.4
Harkness Flat	6200’	28.5	17.6	61.8	17.6	11.5
Rattlesnake	6100’	14.0	15.8	113.1	15.8	8.6
Bucks Lake	5750’	44.7	18.1	40.5	18.1	9.8
Four Trees	5150’	20.0	13.7	68.7	13.7	2.8
EEL RIVER						
Noel Spring	5100’	—	4.3	—	4.3	1.4
YUBA & AMERICAN RIVERS						
Lake Lois	8600’	39.5	—	—	—	—
Schneiders	8750’	34.5	24.6	71.4	24.6	15.7
Carson Pass	8353’	—	21.0	—	21.0	14.2
Caples Lake	8000’	30.9	15.7	50.8	15.7	10.3
Alpha	7600’	35.9	22.7	63.2	22.5	14.8
Meadow Lake	7200’	55.5	36.4	65.5	36.0	24.1
Silver Lake	7100’	22.7	15.7	69.2	15.3	8.3
Central Sierra Snow Lab	6900’	33.6	27.7	82.4	27.2	16.7
Huysink	6600’	42.6	20.2	47.3	19.1	11.2
Van Vleck	6700’	35.9	26.4	73.5	25.6	14.8
Robbs Saddle	5900’	21.4	13.2	61.8	13.0	4.8
Greek Store	5600’	21.0	13.0	61.7	10.9	5.4
Blue Canyon	5280’	9.0	—	—	—	—
Robbs Powerhouse	5150’	5.2	9.5	183.3	9.4	1.4
MOKELUMNE & STANISLAUS RIVERS						
Deadman Creek	9250’	37.2	16.8	45.2	16.8	11.3
Highland Meadow	8700’	47.9	27.0	56.4	27.0	19.0
Gianelli Meadow	8400’	55.5	25.9	46.7	25.9	16.3
Lower Relief Valley	8100’	41.2	24.4	59.3	24.4	15.2
Blue Lakes	8000’	33.1	15.5	46.8	15.5	9.8
Mud Lake	7900’	44.9	34.0	75.8	34.0	23.8
Stanislaus Meadow	7750’	47.5	—	—	—	—
Bloods Creek	7200’	35.5	21.0	59.2	21.0	13.6
Black Springs	6500’	32.0	17.4	54.4	17.4	7.8
TUOLUMNE & MERCED RIVERS						
Tioga Pass Entrance	9945’	—	—	—	—	—
Dana Meadows	9800’	27.7	27.6	99.6	27.6	20.6
Slide Canyon	9200’	41.1	23.4	56.8	23.4	16.6
Lake Tenaya	8150’	33.1	19.6	59.3	19.6	14.1
Tuolumne Meadows	8600’	22.6	11.6	51.4	11.6	7.5
Horse Meadow	8400’	48.6	33.0	67.8	33.0	23.6
Ostrander Lake	8200’	34.8	17.7	50.8	17.8	11.4
Paradise Meadow	7650’	41.3	24.4	59.2	24.4	16.3
Gin Flat	7050’	34.2	13.7	40.1	13.7	7.8
Lower Kibbie Ridge	6700’	27.4	9.4	34.5	9.4	2.0

SAN JOAQUIN RIVER						
Volcanic Knob	10050’	30.1	—	—	—	—
Agnew Pass	9450’	32.3	17.3	53.7	17.4	12.9
Kaiser Point	9200’	37.8	14.6	38.5	14.6	9.2
Green Mountain	7900’	30.8	16.3	53.0	16.3	11.3
Tamarack Summit	7550’	30.5	17.0	55.9	17.0	10.9
Chilkoot Meadow	7150’	38.0	22.6	59.6	22.6	13.6
Huntington Lake	7000’	20.1	17.5	87.2	17.5	11.6
Graveyard Meadow	6900’	18.8	10.4	55.5	10.4	7.2
Poison Ridge	6900’	28.9	15.4	53.2	15.4	7.7
KINGS RIVER						
Bishop Pass	11200’	34.0	13.2	38.8	13.2	10.1
Charlotte Lake	10400’	27.5	14.3	52.0	14.3	10.7
State Lakes	10300’	29.0	—	—	—	—
Mitchell Meadow	9900’	32.9	17.4	52.9	17.4	12.5
Blackcap Basin	10300’	34.3	19.6	57.3	19.6	14.8
Upper Burnt Corral	9700’	34.6	18.2	52.6	18.2	13.2
West Woodchuck Meadow	9100’	32.8	13.7	41.8	13.7	7.5
Big Meadows	7600’	25.9	14.9	57.5	14.6	11.0
KAWEAH & TULE RIVERS						
Farewell Gap	9500’	34.5	16.5	47.9	16.4	11.8
Quaking Aspen	7200’	21.0	13.1	62.3	13.1	9.6
Giant Forest	6650’	10.0	6.7	67.0	6.0	1.3
KERN RIVER						
Upper Tyndall Creek	11400’	27.7	8.6	31.0	8.3	6.6
Crabtree Meadow	10700’	19.8	4.9	24.8	4.9	3.5
Chagoopa Plateau	10300’	21.8	11.4	52.3	11.1	8.8
Pascoes	9150’	24.9	14.0	56.2	14.0	9.7
Tunnel Guard Station	8900’	15.6	4.8	30.8	4.8	4.1
Wet Meadows	8950’	30.3	12.7	41.9	12.7	8.8
Casa Vieja Meadows	8300’	20.9	10.1	48.5	10.1	7.6
Beach Meadows	7650’	11.0	3.0	27.1	3.0	1.7
SURPRISE VALLEY AREA						
Dismal Swamp	7050’	29.2	21.5	73.6	21.5	14.4
TRUCKEE RIVER						
Mount Rose Ski Area	8900’	38.5	19.9	51.7	19.9	13.0
Independence Lake	8450’	41.4	28.6	69.1	28.6	19.6
Big Meadows	8700’	25.7	11.0	42.8	11.0	6.0
Squaw Valley	8200’	46.5	34.3	73.8	34.3	19.4
Independence Camp	7000’	21.8	11.4	52.3	11.4	7.0
Independence Creek	6500’	12.7	12.1	95.3	12.1	5.9
Truckee 2	6400’	14.3	13.9	97.2	14.1	9.0
LAKE TAHOE BASIN						
Heavenly Valley	8800’	28.1	14.7	52.3	14.7	10.0
Hagans Meadow	8000’	16.5	9.1	55.2	9.1	6.0
Marlette Lake	8000’	21.1	11.6	55.0	11.6	7.0
Echo Peak 5	7800’	39.5	25.8	65.3	25.8	14.1
Rubicon Peak 2	7500’	29.1	14.4	49.5	14.4	6.7
Tahoe City Cross	6750’	16.0	7.2	45.0	7.2	3.4
Ward Creek 3	6750’	39.4	22.2	56.3	22.2	11.6
Fallen Leaf Lake	6250’	7.0	4.2	60.0	4.2	0.0
CARSON RIVER						
Ebbetts Pass	8700’	38.8	17.5	45.1	17.5	12.0
Horse Meadow	8557’	—	13.1	—	13.1	8.7
Burnside Lake	8129’	—	15.7	—	15.7	10.2
Forestdale Creek	8017’	—	22.5	—	22.5	14.3
Poison Flat	7900’	16.2	13.2	81.5	13.2	8.8
Monitor Pass	8350’	—	7.8	—	7.8	5.3
Spratt Creek	6150’	4.5	3.0	66.7	3.0	0.0
WALKER RIVER						
Leavitt Lake	9600’	—	33.0	—	33.0	24.0
Summit Meadow	9313’	—	—	—	—	—
Virginia Lakes	9300’	20.3	7.3	36.0	7.3	4.7
Lobdell Lake	9200’	17.3	4.0	23.1	4.0	2.7
Sonora Pass Bridge	8750’	26.0	10.8	41.5	10.8	6.7
Leavitt Meadows	7200’	8.0	6.5	81.2	6.5	3.7
OWENS RIVER/MONO LAKE						
Gem Pass	10750’	31.7	15.0	47.4	15.0	9.5
Sawmill	10200’	19.4	6.8	35.2	6.8	4.7
Cottonwood Lakes	10150’	11.6	5.5	47.0	5.5	4.8
Big Pine Creek	9800’	17.9	3.8	21.5	3.8	2.8
South Lake	9600’	16.0	8.0	50.2	8.0	5.8
Mammoth Pass	9300’	42.4	18.7	44.2	18.7	12.5
Rock Creek Lakes	10000’	14.0	7.9	56.6	7.9	6.0

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) will be held in Kona, Hawaii, 16-19 April 2007, hosted by the South Pacificl Region. For further information regarding the Western Snow Conference contact Frank Gehrke at 916-574-2635 or gridley@water.ca.gov. Information is available on the web at http://www.westernsnowconference.org

As depicted on this month's cover the 2006-07 water year started out much cooler than average statewode. Here at Highland Meadow in the Mokelumne River, it was snowing and blowing on October 5, 2006. 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.

State of California – The Resources Agency
DEPARTMENT OF WATER RESOURCES
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First Class