Forecast Runoff Volumes for the Snowmelt Season

Wednesday, April 15, 2009

NWS California Nevada River Forecast Center and the California Dept. of Water Resources

Remarks: The pattern begins on a wintery note as a cold closed upper low spins over the Great Basin, producing moderate-heavy snowfall across much of central and eastern Nevada and cool windy weather across much of CA. Snow showers will continue across Nevada today into Thursday (04/16). A weak ridge will begin a gradual push into CA by Friday (04/17) and nudge the upper low eastward, marking a transition to dry and warmer weather. The ridge will then amplify and situate over the western U.S., with temperatures trending well above normal by the weekend and into early next week. After mid week (04/22), the ridge will begin to weaken and allow temperatures to return closer to seasonal averages.

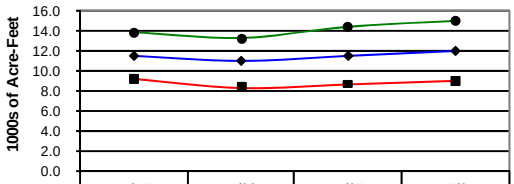
Forecasts reflect predicted short-term precipitation and temperature as well as the predicted shift from normal climatology provided by NOAA's Climate Prediction Center.

Forecast Point	Peak 1-Day Volume (1000s of ac-ft)	Date (Month/Day)
American River - Folsom	12.0	5/09
Mokelumne River - Pardee	9.5	5/12
Stanislaus River - New Melones	12.0	5/12
Tuolomne River - New Don Pedro	24.0	5/18
Merced River - Pohono Bridge	7.5	5/14
Merced River – Lake McClure	12.0	5/14
Lake Tahoe Inflow	3.0	5/20
Truckee River – Tahoe to Farad	4.4	5/19
WF Carson River - Woodfords	1.0	5/20
EF Carson River - Gardnerville	3.2	5/20
Carson R – Carson City	3.0	5/21
San Joaquin River - Millerton	23.0	5/19
Kings River – Pine Flat	22.0	5/19
Kaweah River - Terminus	5.0	5/18
Tule River - Success	0.6	4/22
Kern River - Isabella	7.0	5/20
West Walker River - Coleville	2.4	6/05
East Walker River - Bridgeport	0.7	6/06
Humboldt River - Palisade	2.5	6/11
Marys River – Twin Buttes	0.6	5/26
Humboldt River - Elko	2.0	6/10

Indicated values are unimpaired flow volumes in thousands of acre-feet in 5-day intervals for the next 20 days. The date indicated above each column is the mid-point of the 5-day interval.

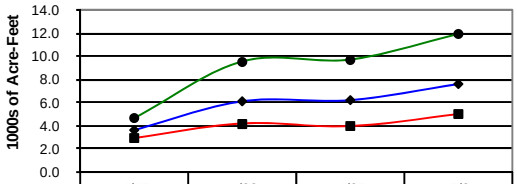
Max:	Reasonable maximum (10 percent chance of being exceeded)
Prob:	Most probable volume (50 percent chance of being exceeded)
Min:	Reasonable minimum (90 percent chance of being exceeded)

Williamson River at Chiloquin



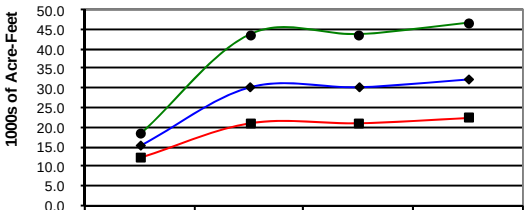
	4/17	4/22	4/27	5/2
Max	13.8	13.2	14.4	15.0
Prob	11.5	11.0	11.5	12.0
Min	9.2	8.3	8.6	9.0

Scott River at Fort Jones



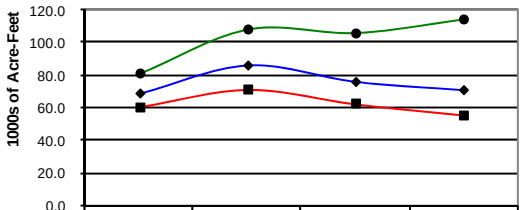
	4/17	4/22	4/27	5/2
Max	4.6	9.4	9.6	11.8
Prob	3.5	6.0	6.1	7.5
Min	2.9	4.1	3.9	5.0

Trinity River at Lewiston



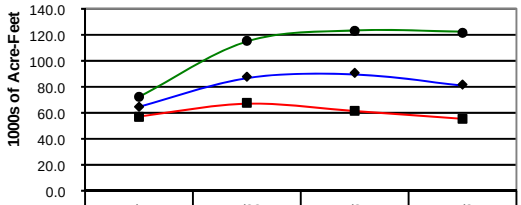
	4/17	4/22	4/27	5/2
Max	18.3	43.5	43.5	46.4
Prob	15.0	30.0	30.0	32.0
Min	11.9	21.0	21.0	22.4

Shasta Reservoir Inflow



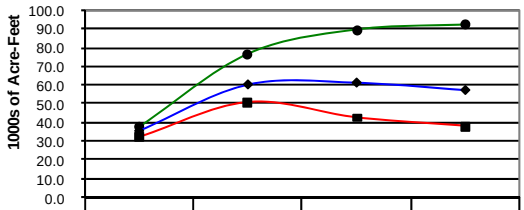
	4/17	4/22	4/27	5/2
Max	80.9	108.0	105.8	114.1
Prob	68.0	85.0	75.0	70.0
Min	59.8	70.6	61.5	54.6

Feather River at Oroville



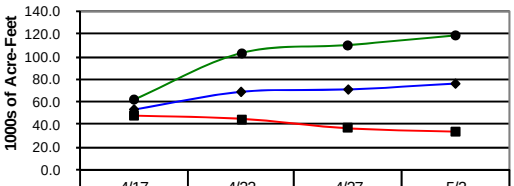
	4/17	4/22	4/27	5/2
Max	71.7	114.0	122.4	121.5
Prob	64.0	87.0	90.0	81.0
Min	57.0	67.0	61.2	55.1

Yuba River at Smartville



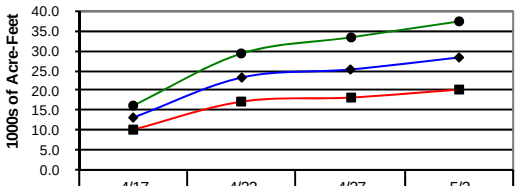
	4/17	4/22	4/27	5/2
Max	38.2	76.8	89.7	92.3
Prob	35.0	60.0	61.0	57.0
Min	32.2	51.0	42.7	38.2

American River at Folsom



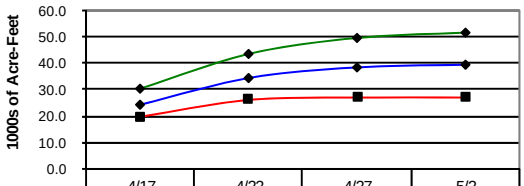
	4/17	4/22	4/27	5/2
Max	61.0	102.7	109.9	118.5
Prob	53.0	68.0	70.0	75.0
Min	46.1	43.5	35.7	33.0

Mokelumne River at Pardee



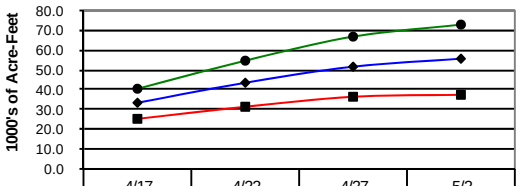
	4/17	4/22	4/27	5/2
Max	16.0	29.0	33.0	37.0
Prob	13.0	23.0	25.0	28.0
Min	10.0	17.0	18.0	20.0

Stanislaus River at New Melones



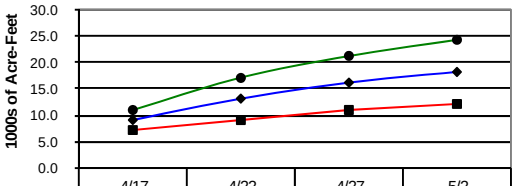
	4/17	4/22	4/27	5/2
Max	30.0	43.0	49.0	51.0
Prob	24.0	34.0	38.0	39.0
Min	19.0	26.0	27.0	27.0

Tuolumne River at New Don Pedro



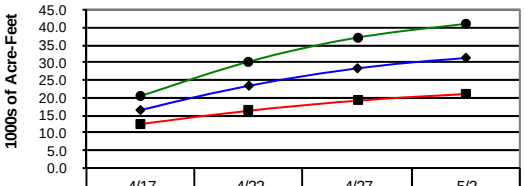
	4/17	4/22	4/27	5/2
Max	40.0	54.0	66.0	72.0
Prob	33.0	43.0	51.0	55.0
Min	25.0	31.0	36.0	37.0

Merced River at Pohono Bridge



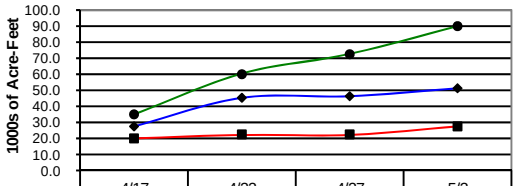
	4/17	4/22	4/27	5/2
Max	11.0	17.0	21.0	24.0
Prob	9.0	13.0	16.0	18.0
Min	7.0	9.0	11.0	12.0

Merced River at Lake McClure



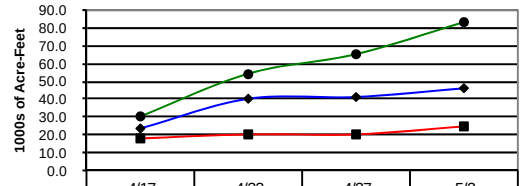
	4/17	4/22	4/27	5/2
Max	20.0	30.0	37.0	41.0
Prob	16.0	23.0	28.0	31.0
Min	12.0	16.0	19.0	21.0

San Joaquin River at Millerton



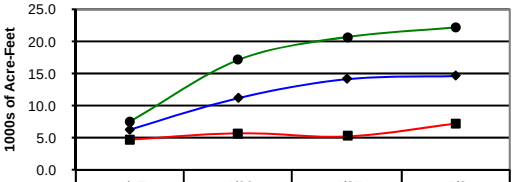
	4/17	4/22	4/27	5/2
Max	35.0	60.0	72.0	89.0
Prob	27.0	45.0	46.0	51.0
Min	20.0	22.0	22.0	27.0

Kings River at Pine Flat



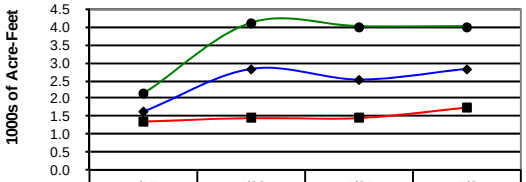
	4/17	4/22	4/27	5/2
Max	30.0	54.0	65.0	83.0
Prob	23.0	40.0	41.0	46.0
Min	18.0	20.0	20.0	24.0

Kaweah River at Terminus



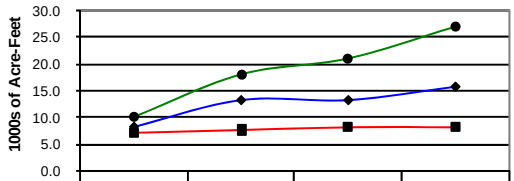
	4/17	4/22	4/27	5/2
Max	7.5	17.0	20.5	22.0
Prob	6.0	11.0	14.0	14.5
Min	4.5	5.5	5.0	7.0

Tule River at Success



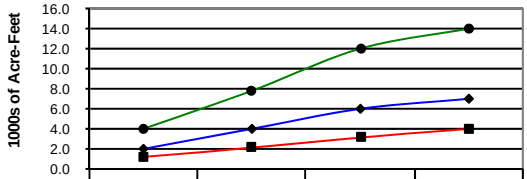
	4/17	4/22	4/27	5/2
Max	2.1	4.1	4.0	4.0
Prob	1.6	2.8	2.5	2.8
Min	1.3	1.4	1.4	1.7

Kern River at Isabella



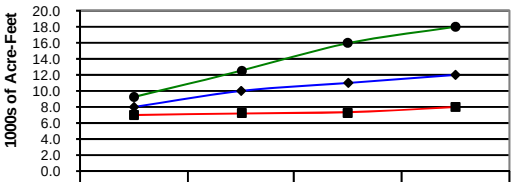
	4/17	4/22	4/27	5/2
Max	10.0	18.0	21.0	27.0
Prob	8.0	13.0	13.0	15.5
Min	7.0	7.5	8.0	8.0

Lake Tahoe Inflow



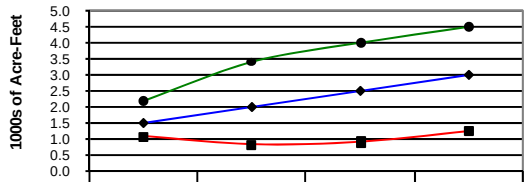
	4/17	4/22	4/27	5/2
Max	4.0	7.8	12.0	14.0
Prob	2.0	4.0	6.0	7.0
Min	1.1	2.0	3.0	3.9

Truckee River - Lake Tahoe to Farad



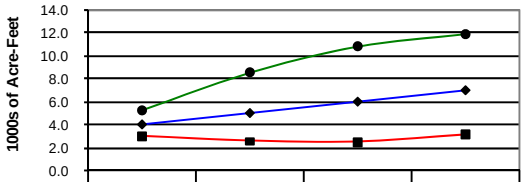
	4/17	4/22	4/27	5/2
Max	9.2	12.5	16.0	18.0
Prob	8.0	10.0	11.0	12.0
Min	6.8	7.0	7.2	7.8

W F Carson River at Woodfords



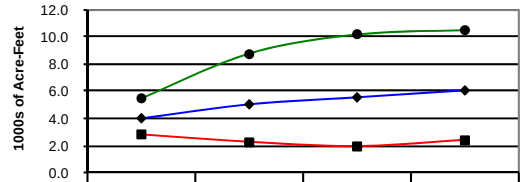
	4/17	4/22	4/27	5/2
Max	2.2	3.4	4.0	4.5
Prob	1.5	2.0	2.5	3.0
Min	1.1	0.8	0.9	1.2

E F Carson River nr Gardnerville



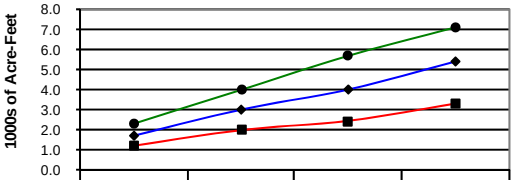
	4/17	4/22	4/27	5/2
Max	5.2	8.5	10.8	11.9
Prob	4.0	5.0	6.0	7.0
Min	3.0	2.5	2.4	3.2

Carson River at Carson City



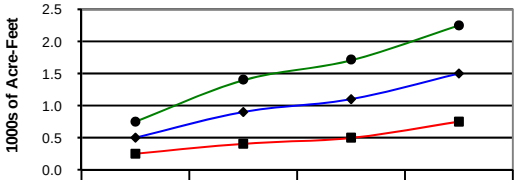
	4/17	4/22	4/27	5/2
Max	5.4	8.8	10.2	10.5
Prob	4.0	5.0	5.5	6.0
Min	2.8	2.3	1.9	2.4

West Walker River at Coleville



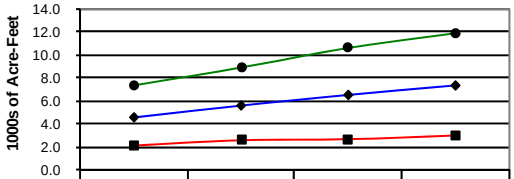
	4/17	4/22	4/27	5/2
Max	2.2	3.9	5.6	7.0
Prob	1.7	3.0	4.0	5.4
Min	1.2	2.0	2.4	3.2

East Walker River at Bridgeport



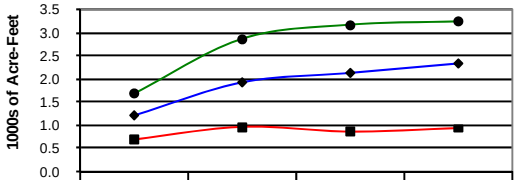
	4/17	4/22	4/27	5/2
Max	0.8	1.4	1.7	2.3
Prob	0.5	0.9	1.1	1.5
Min	0.3	0.4	0.5	0.8

Humboldt River at Palisade



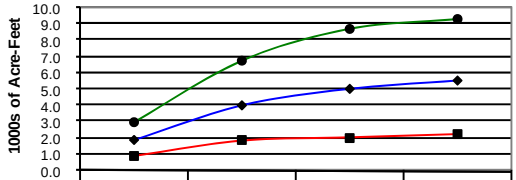
	4/17	4/22	4/27	5/2
Max	7.2	8.8	10.6	11.9
Prob	4.5	5.5	6.4	7.2
Min	2.0	2.5	2.6	2.9

Marys River below Twin Buttes



	4/17	4/22	4/27	5/2
Max	1.7	2.9	3.2	3.2
Prob	1.2	1.9	2.1	2.3
Min	0.7	1.0	0.8	0.9

Humboldt River at Elko



	4/17	4/22	4/27	5/2
Max	3.0	6.8	8.8	9.4
Prob	1.9	4.0	5.0	5.5
Min	0.9	1.8	2.0	2.2