

NWS FORM E-5            U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA:

**SAN JOAQUIN VALLEY - HANFORD , CA**

REPORT FOR:

**MONTHLY REPORT OF RIVER AND  
FLOOD CONDITIONS**

MONTH: **APRIL**    YEAR: **2007**

**TO:** Hydrometeorological Information Center, W/OH12x1  
National Weather Service/Office of Hydrology  
1325 East-West Highway #7116  
Silver Spring, MD 20910

SIGNATURE:

Kevin Durfee  
(In Charge of Hydrologic Service Area)

DATE: May 1, 2007

When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts and hydrologic products issued (WSOM E-41).

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| **X** | An **X** inside this box indicates that no flooding occurred for the month  
+---+ within this hydrologic service area.

The month, like so many this season, was drier than normal. In fact, precipitation fell on only 7 days of the month. In the San Joaquin Valley, there were less than 5 days of measurable rainfall. Two cold frontal passages, one on the 11<sup>th</sup> and the other on the 14<sup>th</sup>, produced light precipitation across much of the HSA. However, heavier rain and higher elevation snow fell across Kern County when the second cold front merged with an upper level Low over Southern California on the evening of the 14<sup>th</sup>. A deep upper level trough brought beneficial precipitation to the central California interior from the 21<sup>st</sup> through the 22<sup>nd</sup> as it tapped into subtropical moisture. Unfortunately, most of the precipitation fell as rain on the warm side of this storm over the higher elevations. By the 25<sup>th</sup>, a strong upper level ridge built into California and brought dry weather and a pronounced warming trend. The last four days of the month brought summer-like temperatures to the central California interior with rapid snowmelt over the high Sierra. As the month drew to a close, the snow pack over the southern Sierra Nevada was reduced to only 24 percent of normal.

NO HYDROLOGIC PRODUCTS WERE ISSUED THIS MONTH.

cc:

W/OH12x1  
W/WR2  
CNRFC  
WFO HNX  
WFO STO