

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: **MARCH**    YEAR: **2007**

**TO:** Hydrometeorological Information Center, W/OH12x1            **SIGNATURE:**  
National Weather Service/Office of Hydrology  
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Silver Spring, MD 20910            (In Charge of Hydrologic Service Area)

DATE: April 2, 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).

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

Sadly, precipitation for the month was well below normal, adding further insult to the seasonal deficit. For much of the first 3 weeks of the month, an upper level ridge of High pressure anchored over the Desert Southwest thwarted Pacific storms north of California and resulted in unseasonably warm weather over the central California interior. The jet stream finally buckled around the 20<sup>th</sup> and brought a healthy storm system into central and southern California equipped with generous precipitation and, at last, a substantial snowfall in the Sierra Nevada. However, by the 22<sup>nd</sup>, the upper level ridge built rapidly back over central California and brought a return of dry weather and well above normal temperatures to the region through the 25<sup>th</sup>.

A second storm system that originated in the Gulf Of Alaska, brought additional precipitation to the HSA from the 26<sup>th</sup> through the 27<sup>th</sup> with about a foot of new snow over the high Sierra. This storm, however, would best be remembered for its strong winds rather than its precipitation. Wind gusts ranged from about 40 mph in the San Joaquin Valley to near 75 mph below the Kern County mountain passes. Cold air in the wake of this storm produced temperatures several degrees below normal on the 27<sup>th</sup> and 28<sup>th</sup>. During the last few days of the month, however, thermometer readings recovered to May-like levels as the upper level ridge regained its footing over the state. By the end of the month, the snow pack over the southern Sierra Nevada was only at 39 percent of normal.

**NO HYDROLOGIC PRODUCTS WERE ISSUED THIS MONTH.**

CC:  
W/OH12x1  
W/WR2  
CNRFC  
WFO HNX  
WFO STO