

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: **DECEMBER** YEAR: **2006**

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: January 7, 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.

A dry, stable airmass resided over the central California interior during the first week of the month and brought frost and below freezing temperatures to the San Joaquin valley each night through the 7th. Temperatures warmed to unseasonably warm levels on the 8th prior to the arrival of a strong upper level trough over the Pacific Northwest. This system brought beneficial precipitation to the HSA on the 9th and 10th with 1-2 feet of snow over the highest elevations of the Sierra.

Afterward, through at least the 15th, the storm track remained over the Pacific Northwest while an upper level ridge anchored over Baja kept the weather essentially dry across central California. A strong cold frontal passage was preceded by showers on the 16th and followed by dry weather and several nights of frosty temperatures again in the San Joaquin Valley. Another cold frontal passage occurred on the 21st, and brought rain and higher elevation snow showers southward to the Tehachapi mountains. Afterward, the weather was dry and tranquil through the Christmas holiday. The most impressive storm of the winter season affected the HSA on the 26th and 27th, and dumped a foot or more of new snow over the higher elevations of the Sierra Nevada with rain in the lower elevations. In the wake of this system, another cold and dry airmass settled into the central California interior during the remainder of the month.

NO HYDROLOGIC PRODUCTS WERE ISSUED THIS MONTH.

CC:

W/OH12x1
W/WR2
CNRFC
WFO HNX
WFO STO