

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: **SEPTEMBER** YEAR: **2008**

TO: Hydrometeorological Information Center, W/OH12x1 **SIGNATURE:**
National Weather Service/Office of Hydrology
1325 East-West Highway #7116 Kevin Durfee
Silver Spring, MD 20910 (In Charge of Hydrologic Service Area)

DATE: October 5, 2008

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 cold frontal passage during the early morning hours of the 1st brought a refreshing change from well above normal temperatures of the previous month. However, it was not long after Labor Day that hot weather returned to the central California interior as an upper level ridge over the Four Corners region flexed its muscle. In the meantime, several weak short wave troughs trekked eastward across the Pacific Northwest. A series of somewhat deeper troughs brought dry cold fronts southward across central California during the 2nd and 3rd week of the month. The first of these fronts moved through the HSA on the 9th and was followed by another one on the 12th and a third one on the 16th. For much of this period, temperatures remained close to seasonal normals. The third and final front, however, was accompanied by an unusually deep upper level trough that produced scattered mostly dry thunderstorms over the higher elevations of the Sierra on the 16th. Following this system, a deep marine intrusion in the lower elevations kept temperatures cooler than normal in the San Joaquin Valley for the next several days. By the 24th, the Four Corners ridge built westward again and brought a return of hotter than normal weather to the HSA. During the last two days of the month, a weak upper level disturbance off the California coast brought a northward influx of tropical moisture into the state and produced scattered showers and thunderstorms over the mountains. During the initial moisture surge on the 29th, thunderstorms also rumbled through the Kern County desert and sprinkles fell in the San Joaquin Valley. Nonetheless, temperatures remained several degrees above normal during the last 7 days of the month.

NO HYDROLOGIC PRODUCTS ISSUED THIS MONTH

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