NWS FORM E-5 U.S. DEPARTMENT OF COMMERCE HYDROLOGIC SERVICE AREA:
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE **SAN JOAQUIN VALLEY - HANFORD , CA**

REPORT FOR:

MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS

MONTH: **SEPTEMBER** YEAR: **2009**

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: October 1, 2009

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 was much warmer than normal throughout the central California interior. In fact, it was the 6th warmest September on record in Fresno and the 8th warmest September on record in Bakersfield with respect to historical archives dating back to the late 1800's. Although an upper level ridge of high pressure anchored over the Four Corners region dominated the weather pattern for most of the month, there were a few occasions when upper level troughs moved through the HSA with cooler than normal temperatures and locally gusty winds. The first of these troughs moved through the HSA with little fanfare on the 6th and 7th. The second trough picked up some subtropical moisture when it moved eastward across central California on the 13th and brought measurable rain to parts of the San Joaquin Valley with numerous showers over the higher elevations. An unseasonably cool airmass moved in behind this system on the 14th with maximum temperatures no higher than the 70s in the San Joaquin Valley. The third and final upper level trough moved through the central California interior on the 29th with little or no precipitation. However, strong and gusty northwest winds brought another exceptionally cool airmass into the HSA during the last two days of the month. The cool temperatures and higher humidities that followed this system was a dramatic change from the long spell of extremely dry and unseasonably warm weather that preceded it from the 18th through the 28th.

NO HYDROLOGIC PRODUCTS WERE ISSUED THIS MONTH

cc:

W/OH12x1
W/WR2
CNRFC
WFO HNX
WFO STO