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: **AUGUST** YEAR: **2008**

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: September 11, 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.

The month was typically dry and averaged a few degrees warmer than normal as an upper level ridge of high pressure centered over the Four Corners region dominated the pattern. On only three occasions, this ridge was displaced eastward by the passage of upper level troughs that brought cooler than normal air masses into the central California interior. Specifically on the 9th, 18th and the 31st, dry cold frontal passages were accompanied by locally strong and gusty winds over the higher elevations as well as the Kern County desert. There were two very brief surges of monsoonal moisture into the HSA that produced isolated thunderstorms from the Kern County mountains and desert northward into the high Sierra. The first influx occurred between the 4th and 6th with another monsoonal surge between the 14th and 16th. Fortunately, there were no incidents of flash flooding with either event. The hottest weather occurred between the 12th and 17th and the 23rd and 30th. During these periods, triple digit heat was common to the San Joaquin Valley, lower foothills and the Kern County desert.

HYDROLOGIC PRODUCTS ISSUED

Flash Flood Watch…Kern County mountains and desert	1015Z	04-AUG

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