

MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS

REPORT FOR:

MONTH: **AUGUST** YEAR: **2007**

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: September 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).

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

The overall synoptic pattern was similar to July as central California remained sandwiched between a strong upper level ridge anchored over the Four Corners region and an upper level trough off the British Columbia coast. The tug of war between these two systems kept the HSA in a prevailing dry southwesterly flow aloft for most of the month. On a few occasions... winds aloft shifted to a southeasterly direction and brought monsoonal moisture northward into the HSA. The most significant influx of tropical moisture occurred during the last weekend of the month when the remnants of what was once Hurricane Dean produced isolated thunderstorms in the San Joaquin Valley, adjacent foothills and higher elevations of the Sierra. Another surge of tropical moisture during the last few days of the month brought a recurrence of isolated thunderstorms. In the San Joaquin Valley and foothills...thunderstorms were accompanied by frequent lightning during the early morning hours of the 30th and measurable rain even fell in a few locations.

HYDROLOGIC PRODUCTS ISSUED

Flash Flood Warning for the higher elevations of Madera County	2156Z	26-AUG
Flash Flood Warning for the higher elevations of Madera County	2102Z	28-AUG
Flash Flood Warning for Yosemite National Park (south entrance)	2256Z	28-AUG
Small Stream Flood Advisory for the Kern County Mountains	0018Z	31-AUG
Flash Flood Warning for the Kern County Desert (near California City)	0152Z	01-SEP

Note: Numerous Flash Flood statements were issued as follow-up products to the Flash Flood Warnings listed above.

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