

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: **OCTOBER** 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: November 3, 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.

Upper level troughs trekked frequently across the Pacific Northwest during the first few weeks of the month and occasionally brought precipitation into the central California interior while keeping temperatures slightly below normal. Most of these troughs were accompanied by locally strong and gusty winds over the higher elevations and in the Kern County mountains and desert. On the afternoon of the 16th, strong winds produced blowing dust and near zero visibility in the vicinity of Mojave resulting in a fatal multi-car pileup along Highway 58.

From the 23rd until the 29th, a strong ridge of high pressure aloft anchored itself over California and brought Well above normal temperatures to the HSA. By the 29th, this ridge shifted eastward into the Four Corners Region and an upper level low formed off the west coast and pulled the remnants of tropical storm Kiko northward into California. As the upper level low moved inland, it spawned one of the largest outbreaks of severe weather in the San Joaquin Valley in more than a decade during the afternoon of the 29th. Several thunderstorms became severe that afternoon and produced locally strong winds, large hail and urban and street flooding in the San Joaquin Valley, particularly in Fresno and Visalia. Flooding was also reported along highway 202 west of Tehachapi and in portions of Yosemite Valley. In its wake, a dry, cool airmass settled into the central California interior for the remaining days of the month.

HYDROLOGIC PRODUCTS ISSUED

Urban and Small Stream Flood Advisory...Central and Southern San Joaquin Valley	0037Z	30-OCT
Urban and Small Stream Flood Advisory....eastern half of the San Joaquin Valley		
& adjacent foothills north of Kern County	0212Z	30-OCT
Flash Flood Warning...Kern County mountains in the vicinity of Tehachapi	0240Z	30-OCT

CC:

W/OH12x1
W/WR2
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WFO STO