

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: **2005**

**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 7, 2005

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).

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

Dry weather and above normal temperatures persisted for much of the month. On two separate occasions, a northward influx of monsoon moisture triggered isolated thunderstorms in the Kern County desert and produced localized flooding. The first episode occurred from the 5<sup>th</sup> through the 7<sup>th</sup> when locally heavy rain washed out a portion of Kelso Valley Road south of Highway 178 . Flooding also occurred on Red Rock-Randsburg road and highway 14.

The second monsoonal surge occurred on the 15<sup>th</sup> and was accompanied by scattered thunderstorms over the higher elevations of the Sierra Nevada and the Tehachapi mountains, in addition to the Kern County desert. Flooding occurred in the vicinity of California City on the evening of the 15<sup>th</sup> when an area of slow moving thunderstorms dumped nearly five inches of rain in a one hour period.

Dry weather and warmer than normal temperatures resumed by the 17<sup>th</sup> and continued through the 29<sup>th</sup> as High pressure centered over the Four Corners region extended westward into California. Temperatures cooled to seasonable levels on the 30<sup>th</sup> as an upper level trough moved into northern California, flattened the ridge, and strengthened the onshore flow across California.

#### HYDROLOGIC PRODUCTS ISSUED

|  |       |        |
|--|-------|--------|
| Flash Flood Watch...Kern County mountains and desert                           | 1617Z | 05-AUG |
| Urban/Small Stream Flood Advisory...Kern County desert                         | 0029Z | 06-AUG |
| Flash Flood Watch...extended for the Kern Co mountains/desert                  | 0400Z | 06-AUG |
| Urban/Small Stream Flood Advisory...Kern County mountains/desert               | 0032Z | 07-AUG |
| Small Stream Flood Advisory...Fresno County portion of the Sierra Nevada       | 2315Z | 07-AUG |
| Flash Flood Warning...Kern County Desert (southeast portion)                   | 0125Z | 16-AUG |
| Small Stream Flood Advisory...Sierra Nevada (higher elevations of Mariposa Co) | 2230Z | 16-AUG |

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