

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: **JANUARY** YEAR: **2005**

**TO:** Hydrometeorological Information Center, W/OH12x1  
 National Weather Service/Office of Hydrology  
 1325 East-West Highway #7116  
 Silver Spring, MD 20910  
 Service Area)

SIGNATURE:

Kevin Durfee  
 (In Charge of Hydrologic

DATE: February 4, 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).

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

No flooding occurred along any of the mainstem rivers in the San Joaquin Valley HSA during January, 2005.

The month brought above normal precipitation to the HSA, with several feet of new snow in the high Sierra. Nearly 90 percent of the month's total precipitation fell during the first 11 days of the month. A significant hydrological event occurred in Kern County from the 8<sup>th</sup> through the 11<sup>th</sup> as an upper level trough stalled off the California coast and a mild, subtropical flow of moisture persisted across the state. The combination of heavy rainfall and snowmelt during this period resulted in localized flash flooding in the Kern County mountains and desert along with rock slides and debris flows. A 2 to 4 inch rainfall in the Kern County desert triggered highway and urban flooding from the 9<sup>th</sup> until the 12<sup>th</sup> and even washed out a portion of Red Rock Randsburg road in the northwestern Mojave desert. Water damage to several homes was reported, particularly in the Rosamond area. Total property damage was estimated at \$2.5 million.

A significant break from wet weather occurred between the 13<sup>th</sup> and the 22<sup>nd</sup> as a strong ridge of high pressure aloft settled over the state. A southward dip of the jet stream during the last week of the month brought weak storm systems through central California. Between the 25<sup>th</sup> and the 29<sup>th</sup>, relatively light precipitation fell in most areas.

**HYDROLOGIC PRODUCTS ISSUED**

Urban/Small Stream Flood Advisory...San Joaquin Valley/foothills	1750Z	2-JAN
Hydrologic Outlook...Kern County mountains	2310Z	5-JAN
Small Stream Flood Advisory...Kern County mountains and desert	1200Z	7-JAN
Urban/Small Stream Flood Advisory...San Joaquin Valley/foothills in addition to Kern County mountains and desert	0000Z	8-JAN
Small Stream Flood Advisory...Mariposa county foothills	0237Z	9-JAN
Flood Watch...Kern County mountains	1420Z	9-JAN
Flood Warning...Kern County mountains	1612Z	9-JAN
Flood Warning...Tulare County foothills and mountains below 7k feet in addition to the Kern County mountains	1710Z	9-JAN
Flood Watch...foothills of Mariposa, Madera and Fresno county	1745Z	9-JAN
Urban/Small Stream Flood Advisory...Kern County desert	2215Z	9-JAN
Urban/Small Stream Flood Advisory...San Joaquin Valley added	0109Z	10-JAN
Urban/Small Stream Flood Advisory extended for Kern County desert	0521Z	10-JAN
Flood Warning...remainder of Sierra Nevada foothills and mountains		

below 7k feet in addition to above areas	0347Z	10-JAN
Flood Warning...Kern County desert in addition to above areas	1658Z	10-JAN
Flood Warning...Kern county desert	2319Z	10-JAN
Urban/Small Stream Flood Advisory...foothills of Mariposa, Madera, Fresno and Tulare counties	0300Z	11-JAN

cc:

W/OH12x1  
W/WR2  
CNRFC  
WFO HNX  
WFO STO