

**SAN JOAQUIN VALLEY - HANFORD , CA**

REPORT FOR:

**MONTHLY REPORT OF RIVER AND  
FLOOD CONDITIONS**

MONTH: **DECEMBER** YEAR: **2007**

**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: January 8, 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).

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

An upper level ridge of high pressure remained centered over the Eastern Pacific during most of the month and produced a northerly flow aloft over California. This allowed room for cold fronts to drop frequently southward along the coast, although most of them were moisture-starved by the time they reached central California. On at least two occasions, cold upper level Low pressure systems that originated in western Canada tracked southward and deepened over the state. The first of these systems brought one to two feet of snow to the higher elevations of the Sierra Nevada from the 5<sup>th</sup> through the 7<sup>th</sup>. This storm produced up to a half inch of rain in the San Joaquin Valley and brought the first snowfall of the season to the higher elevations of Kern County. Another storm tracked similarly across California from the 17<sup>th</sup> through the 20<sup>th</sup> with generous snow in the mountains and rain in the lower elevations. The cold, dry air masses that followed these storms produced several nights of frost in the San Joaquin Valley, in addition to patchy fog. In spite of the beneficial moisture these two storms brought into the HSA, the seasonal precipitation deficit remained large. As the month drew to a close, the snowpack over the Southern Sierra was only 12% of normal and water storage capacity at most reservoirs was near 20%.

**HYDROLOGIC PRODUCTS ISSUED**

Urban and Small Stream Flood Advisory...central San Joaquin Valley (Fresno/Clovis area)	0729Z	19-DEC
Flood Warning....central Fresno County (Fresno/Clovis area)	0803Z	19-DEC
Flash Flood Warning....central Fresno County (Fresno/Clovis area)	0820Z	19-DEC

CC:

W/OH12x1  
W/WR2  
CNRFC  
WFO HNX  
WFO STO