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: **NOVEMBER** YEAR: **2009**

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: December 1, 2009

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.

Precipitation for the month was below normal while temperatures averaged slightly above normal. An upper level ridge of high pressure dominated the pattern during the first four days of the month and brought unseasonably warm weather to the central California interior. Afternoon temperatures soared into the 80s in much of the San Joaquin Valley on the 3rd and 4th as a result. A cooling trend began on the 5th and continued through the 10th as the westerlies settled southward over the state. A slow, southward moving cold front brought generally light precipitation to much of the HSA from the 12th into the 13th. The storm track began to retreat northward on the 14th and positioned itself over the Pacific Northwest through the 17th . During this time, dry weather prevailed over the central California interior with a minor day to day warming trend. Another cold front moved southward across the region on the 18th and produced little more than isolated showers over the higher elevations of the Sierra. A somewhat deeper and colder upper level trough moved across the HSA during the evening of the 20th but proved to be a hydrologic disappointment. Precipitation from this storm system produced a scanty six hundredths of an inch or less in the San Joaquin Valley. Over the higher elevations, precipitation totals ranged from as much as eleven hundredths in the Kern County mountains to around a quarter of an inch in the southern Sierra Nevada.

The next storm system trekked southeastward through the central California interior from the evening of the 27th through the 28th and brought generally light precipitation to the HSA except in the upslope regions of Kern County where local rain amounts of around an inch occurred. Cold air that accompanied this storm brought snow levels down to about 4500 feet. Up to four inches of snow fell in the Frazier Park area of the Tehachapi mountains during the early morning hours of the 28th and created wintery, slick travel conditions over the Grapevine along Interstate 5. Strong northeast winds buffeted the higher ridges of the Sierra during the early morning hours of the 29th as this storm system exited into southeast California. The month ended on a relatively tranquil note as an upper level ridge of high pressure settled over the HSA.

NO HYDROLOGIC PRODUCTS WERE ISSUED THIS MONTH.

cc:

W/OH12x1
W/WR2
CNRFC
WFO HNX

WFO STO