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: **JANUARY** YEAR: **2008**

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: February 4, 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.

The month was wetter than normal, thanks to a series of storm systems that tracked inland from the Pacific with generous mountain snow and lower elevation rain. The first few storms combined dumped up to 9 feet of fresh powder over the high Sierra between the 3rd and the 6th with up to two inches of rain in the central San Joaquin Valley. A weaker, quick moving storm system moved across central California on the 8th and brought up to a foot of new snow to the highest elevations north of Kings Canyon while lower elevations only received nominal amounts of rain. A weak cold frontal passage on the 10th brought light precipitation to mainly the higher elevations and was followed by several days of dry weather as an upper level ridge of high pressure anchored itself off the west coast. By Martin Luther King, Jr. day, the pattern turned wet and unsettled and remained so through the end of the month as a succession of storms dropped southward into California from the Gulf of Alaska. From the 22nd through the 30th, several feet of new snow accumulated over the mountains, including the higher elevations of the Tehachapi mountains. Snow fell down to pass level on at least a couple of occasions and forced Interstate 5 to close through the Grapevine. Locally heavy rain produced street and urban flooding in parts of the San Joaquin Valley on the 23rd. On the 27th, isolated severe thunderstorms rumbled through portions of the San Joaquin Valley while a combination of rain and melting snow produced a few mudslides and flooded roads in the Kern County mountains.

By the end of the month, the snow pack over the southern Sierra Nevada was at 120 percent of normal and water storage at most reservoirs was near 60 percent of normal capacity.

HYDROLOGIC PRODUCTS ISSUED

Urban and Small Stream Flood Advisory…west side of the San Joaquin Valley	1739Z	23-JAN
Urban and Small Stream Flood Advisory…San Joaquin Valley	0419Z	24-JAN
Flash Flood Watch…Kern County mountains	0137Z	27-JAN
Flash Flood Warning…Kern County mountains	1240Z	27-JAN
Urban and Small Stream Flood Advisory…Kern County desert	1100Z	27-JAN
Urban and Small Stream Flood Advisory…south end of the San Joaquin Valley	1437Z	27-JAN

cc:

W/OH12x1
W/WR2
CNRFC
WFO HNX
WFO STO