

<b>NWS Form E-5</b> (04-2006) (PRES. BY NWS Instruction 10-924)	<b>U.S. DEPARTMENT OF COMMERCE</b> <b>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION</b> <b>NATIONAL WEATHER SERVICE</b>	HYDROLOGIC SERVICE AREA (HSA) <b>San Juan, Puerto Rico</b>
		<b>MONTHLY REPORT OF HYDROLOGIC CONDITIONS</b>
TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283		REPORT FOR: MONTH            YEAR July                2007
		SIGNATURE Althea Austin-Smith, Service Hydrologist
		DATE 8/29/2007

*When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).*

An X inside this box indicates that no flooding occurred within this hydrologic service area.

Summary: The San Juan ASOS reported 4.58 inches of rain for the month of July ...0.52 inches more than the normal of 4.16 inches. The ASOS rainfall report at Truman Field in St. Thomas remained inaccurate for the month of July.

For graphics of July rainfall for Puerto Rico:

[http://www.srh.noaa.gov/alr/monthly/pr\\_2007\\_jul.htm](http://www.srh.noaa.gov/alr/monthly/pr_2007_jul.htm)

July was very similar to June ... wetter than normal for the San Juan ASOS location ... the heaviest rainfall reports supported extremely localized events. Most of the month's hydrologic activity once again stemmed from Urban and Small Stream Flood Advisories ... a direct result of our usual diurnal pattern that sets up with the daytime heating and terrain effects focusing showers and thunderstorms at specific areas across the Region. July did show an increase of Tropical Waves moving across the Forecast Area. A couple of these Waves showed the potential of heavy rain which led to the issuance of Flash Flood Watches ... this flooding also turned out to be localized and not at all significant. The cold topped convection associated with the passage of one of these waves produced impressive thunder and lightning with localized heavy rain bands on the Island of St. Croix towards the end of the month. By the end of the month, no significant flooding was reported at any of the NWS forecast locations.

Please note the following drought related graphic:

<http://www.drought.unl.edu/dm/monitor.html>

**Table 1 - Hydrologic Products Issued**

Non-Routine Hydrologic Products Issued:	Approximate number of Products for the month
Hydrologic Outlooks (SJUESFSJU)	0
Flood Watches (SJUFFASJU)	3
Flood Warnings (SJUFLWSJU)	0
Flash Flood Warnings (SJUFFWSJU)	0
Flash Flood Statements (SJUFFSSJU)	0
Urban/Small Stream Flood Advisories (SJUFLSSJU)	49