

<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 September      2007
		SIGNATURE Althea Austin-Smith, Service Hydrologist
		DATE 10/31/2007

*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 6.71 inches of rain for the month of September ...1.11 inches more than the normal of 5.60 inches. The ASOS rainfall report at Truman Field in St. Thomas reported 3.83 inches of rain for the month of September ...1.51 inches less than the normal of 5.34 inches.

For graphics of September rainfall for Puerto Rico:  
[http://www.srh.noaa.gov/alr/monthly/pr\\_2007\\_sep.htm](http://www.srh.noaa.gov/alr/monthly/pr_2007_sep.htm)

While September was wetter than normal for the San Juan ASOS location, the heaviest rainfall reports were again from extremely localized events. Most of the month's hydrologic activity 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.

There were a couple of exceptions to the regular diurnal shower activity with the passage of a couple of Tropical Waves which resulted in heavy showers and thunderstorms, some of which produced hail and resulted in localized urban, small stream and river flooding. The areas of greatest hydrologic impact from these events were along the north coast of Puerto Rico...including San Juan and vicinity and in the western interior and northwest...including Aguada and Aguadilla. Minor flooding was noted on the following rivers during one or both of these events: Culebrinas, Tanama, Guajataca and Rio Piedras.

We still have a small area of Puerto Rico that remains abnormally dry on the Drought Monitor Map. 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)	2
Flood Watches (SJUFFASJU)	2
Flood Warnings (SJUFLWSJU)	5
Flash Flood Warnings (SJUFFWSJU)	5
Flash Flood Statements (SJUFFSSJU)	6
Urban/Small Stream Flood Advisories (SJUFLSSJU)	115