

NWS FORM E-5 COMMERCE	U.S. DEPARTMENT OF NOAA, NATIONAL WEATHER	HSA OFFICE: San Juan, PR (SJU)
SERVICE		REPORT FOR (MONTH / YEAR): September, 2005
MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS		DATE: October 24,2005
TO: NATIONAL WEATHER SERVICE HYDROMETEOROLOGICAL INFO CENTER, W/OS31 SSMC 2 – Room 13468 1325 EAST-WEST HIGHWAY SILVER SPRING, MD 20910-3283		SIGNATURE: Althea Austin-Smith
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).		

Summary: The month of September broke no records as far as rainfall was concerned. As a matter of fact, the monthly climate data for San Juan (ASOS) indicated that for the 30 days of September 2005, the total for San Juan, PR was 3.85 inches ... 1.75 inches less than the normal of 5.60 inches. At the Truman Field in St. Thomas, USVI, the rainfall was quite a bit higher with a total for September of 7.48 inches which was 2.14 inches more than the normal of 5.34 inches.

The first half of September was drier than the second half of the month and this was indicated by the lower flows recorded on the rivers and streams in early September. The weather shifted to a wetter pattern by the end of the month as a series of tropical waves moved through the islands. During the last 10 days of September, the moisture across the region was abundant with precipitable water amounts approaching 2 inches. With this moisture available, the regular daily convective processes proved to be rather productive and as a result, flooding was reported on many of the rivers and streams in the western and northern portions of PR towards the end of the month.

Most of the flooding at the gaged locations was in the minor category with crests 1-3 feet or less above the defined flood stage. Four (4) River Flood Warnings (SJUFLWSJU) were issued at the end of September in response to the flooding at the NWS forecast points. The forecast points that rose above flood stage were on the Rios Cibuco, Culebrinas, De La Plata, Loiza, Manati and Piedras.

The urban and small stream was much more dramatic and did lead to some reports of mud slides, residential house flooding and road flooding and/or closures. A total of 45 Urban / Small Stream Flood Advisories (SJUFLSSJU) were issued during the month of September.

Non-Routine Hydrologic Products Issued:	Number of Products for the month
Hydrologic Outlooks (SJUESFSJU)	0
Flood Watches (SJUFFASJU)	8
Flood Warnings (SJUFLWSJU)	4
Flash Flood Warnings (SJUFFWSJU)	23
Urban/Small Stream Flood Advisories (SJUFLSSJU)	45

cc: USGS Caribbean District

USCE Jacksonville Division
SRH Climate, Weather and Water Division
SERFC
NWS Hydrologic Information Center
Southeast Regional Climate Center