

NWS Form E-5
(04-2006)
(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)
San Juan, Puerto Rico

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
MONTH YEAR
July 2009

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE
Althea Austin-Smith,
Service Hydrologist
DATE
08/24/2009

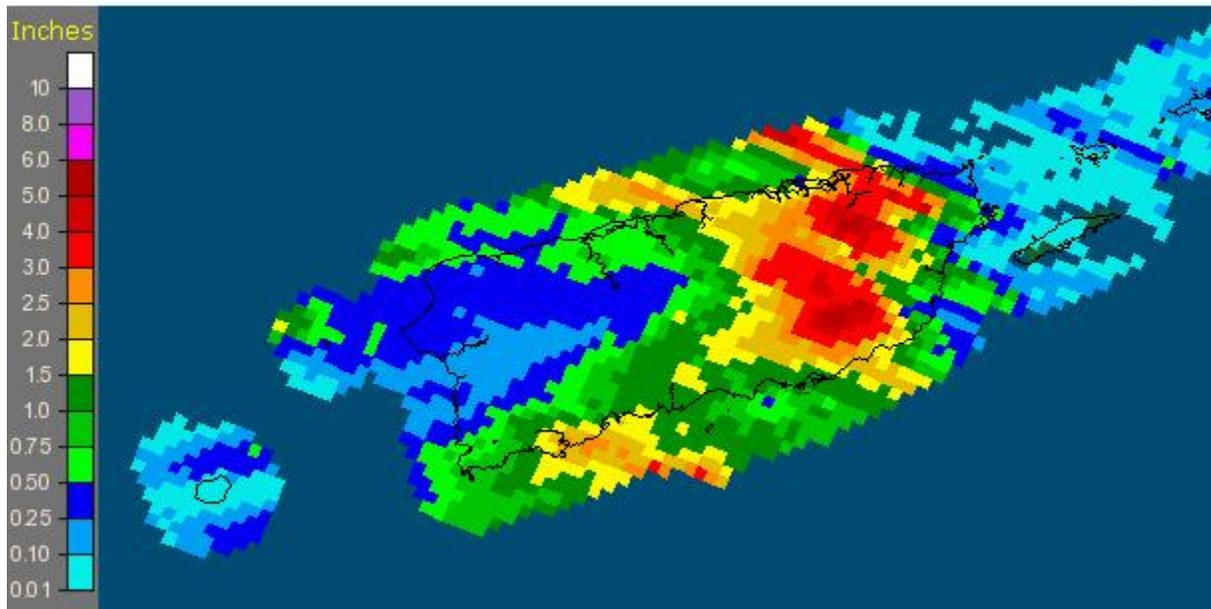
When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

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

Summary: The San Juan ASOS reported 4.80 inches of rain for the month of July... 0.64 inches more than the normal of 4.16 inches. The ASOS rainfall report from Cyril E. King Airport in St. Thomas was 2.63 inches for the month of July...0.21 inches greater than the normal of 2.42 inches.

Even with a significant rainfall event occurring on the 21st of July, less overall rainfall was reported during this month in comparison to May and June, therefore the hydrologic activity was expectedly less.

Puerto Rico: 7/22/2009 1-Day Observed Precipitation
Valid at 7/22/2009 1200 UTC- Created 7/24/09 10:32 UTC



This graphic depicts the rainfall from the most significant rainfall event across the forecast area during the month of July – 8am July 21st thru 8am July 22nd.

This rainfall was the result of the convection associated with a Tropical Wave that moved through to the south of the area (in the Caribbean Sea) on July 21st. Flooding from this rainfall was reported along both the Rio Grande the Loiza and the Rio De La Plata rivers – both of whose headwaters are in the Southeastern Region of Puerto Rico. In the Northeast, the rainforest of El Yungue also reported high rainfall amounts which generated enough runoff to create some flooding in the preferred areas of Fajardo, Naguabo and Rio Grande. Some minor urban flooding was also experienced in the San Juan Metropolitan area. (See E3 flood stage report for details)

The approximate amounts of Hydrologic Products issued during the month of July are as follows:

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)	1
Flash Flood Warnings (SJUFFWSJU)	3
Flash Flood Statements (SJUFFSSJU)	3
Urban/Small Stream Flood Advisories (SJUFLSSJU)	27

Here is the monthly “gage only” summary for the month of July...provided by the Southeast River Forecast Center (SERFC) in Atlanta - [Monthly GAGE ONLY Summary for July 2009](#)

For monthly “radar totals” use the archive of the Advanced Hydrologic Prediction Service (AHPS) - click on Puerto Rico and request the duration you would like to view...daily or monthly remembering that the 24 hour totals are from 12z – 12z (8am to 8am in PR) - [AHPS archive of radar totals/ images](#) .