

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
May 2007

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
5/22/2007

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 1.52 inches of rain for the month of May ...3.77 inches less than the normal of 5.29 inches. The ASOS at Truman Field in St. Thomas was back on line but remains questionable for the month of May.

April and May did a flip flop with May 2007 being a drier month than April 2007...Puerto Rico Climatology indicates that May is supposed to be "wetter" than April. A drier than normal May still meant the continuance of the diurnal pattern that usually sets up with the daytime heating and terrain effects focusing showers and thunderstorms at specific areas across the Region. Towards the end of May...mildly diffluent NNW flow aloft across the Region associated with a West Atlantic Upper Trof and an increase of mid level moisture coincided to create an unstable atmosphere which in combination with diurnal effects produced locally numerous showers and thunderstorms across much of the Forecast Area. The heaviest rainfall was recorded in the W and NW Interior of Puerto Rico and the San Juan Metro Area. The river flooding at gauged locations during this period toward the end of May was in the minor category while the corresponding urban and small stream flooding was much more significant.

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)	1
Flood Watches (SJUFFASJU)	0
Flood Warnings (SJUFLWSJU)	2
Flash Flood Warnings (SJUFFWSJU)	8
Flash Flood Statements (SJUFFSSJU)	5
Urban/Small Stream Flood Advisories (SJUFLSSJU)	104