

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
March 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
04/23/2009

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 3.21 inches of rain for the month of March... 1.07 inches more than the normal of 2.14 inches. The ASOS rainfall report at Truman Field in St. Thomas reported 2.74 inches of rain for the month of March... 1.22 inches more than the normal of 1.52 inches.

The U.S. Drought Monitor decreased the area of "abnormally dry" for the Northeast and Eastern Interior of Puerto Rico at the beginning of the month to "no designations" by the middle of the month as the rains increased across the Region. This was far from normal during the "dry season" as the drought designations and areal coverage usually increase during the month of March. The unusually wet pattern continued into the end of the month with some River, Urban and Small Stream flooding experienced towards the end of March. The most significant of these events occurred when a weak cold front slowly moving across the local area...with a sub-tropical jet max with 80 to 90 knots just north of the forecast area provided the dynamics necessary to create some heavy showers and thunderstorms across the forecast area.

Information from LSRs:

<p>March 5th</p>	<p>EMERGENCY MANAGEMENT OFFICIALS REPORTED A BRIDGE UNDER WATER ON ROAD 620 IN VEGA ALTA.</p> <p>EMERGENCY MNGR REPORTED FLOODING IN BARCELONETA ACROSS BARRIO CACHETES ROAD 666 WITH THE INTERSECTION OF ROAD 667. ALSO...REPORTED WATER REACHING UP TO ROAD 2 LEVEL IN MANATI. BROADCAST MEDIA METEOROLOGIST REPORTED THE SAME INCIDENT AT THE SAME TIME THE EMERGENCY OFFICIALS DID. A FLOOD WARNING WAS IN EFFECT FOR THIS PARTICULAR AREA WHEN WE RECEIVED BOTH OF THOSE PHONE CALLS.</p>
<p>March 21st</p>	<p>A MUDSLIDE WAS REPORTED AT KM 34.4 OF HWY 155. ONE HOME WAS DAMAGED, BUT THE ROAD IS NOT BLOCKED.</p>

Please note the following archive for the U.S. Drought Monitor related graphics – choose Puerto Rico from the "state" pulldown menu – click on "update" and request the dates from calendar pulldown menu...updated weekly - [U.S. Drought Monitor Archive](#)

The approximate amounts of Hydrologic Products issued during the month of March 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)	6
Flash Flood Warnings (SJUFFWSJU)	3
Flash Flood Statements (SJUFFSSJU)	2
Urban/Small Stream Flood Advisories (SJUFLSSJU)	34

Here is the monthly “gage only” summary for the month of March...provided by the Southeast River Forecast Center (SERFC) in Atlanta.

[Monthly GAGE ONLY Summary for March 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.

[AHPS archive of radar totals/ images](#)