

**MONTHLY REPORT OF HYDROLOGIC CONDITIONS**

REPORT FOR:  
MONTH            YEAR  
August            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  
09/15/2009

*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 8.53 inches of rain for the month of August... 3.31 inches more than the normal of 5.22 inches. The ASOS rainfall report from Cyril E. King Airport in St. Thomas was 1.76 inches for the month of August...1.74 inches less than the normal of 3.50 inches.

August in the Caribbean - the season for active weather in the form of tropical waves and tropical systems as Hurricanes typically move across the Atlantic Ocean and the Caribbean Sea on their way to the north and west. The month of August was atypical for our forecast area, in that the tropical systems were few. August brought us Tropical Storm Ana which resulted in rainfall totals of less than 2 inches for the entire event. The most significant hydrologic event occurred at the end of the month in Puerto Rico as a result of the regular local island effects in combination with diurnal heating. The U.S. Virgin Islands remained unseasonably dry during the month of August, which is unfortunate since this is the season where their water supply is restored as cisterns continued to run low.

Some minor urban flooding was reported in Puerto Rico throughout the month of August with some more significant urban and small stream flooding reported in the San Juan Metropolitan area and in the southwest along the Rio Guanajibo and Rio Rosario at the end of the month. *(See E3 flood stage report for details)*

The approximate amounts of Hydrologic Products issued during the month of August 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)                      | 0  |
| Flash Flood Warnings (SJUFFWSJU)                | 3  |
| Flash Flood Statements (SJUFFSSJU)              | 5  |
| Urban/Small Stream Flood Advisories (SJUFLSSJU) | 60   |

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