

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             2008

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  
8/20/2008

*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 1.75 inches of rain for the month of July ... 2.41 inches less than the normal of 4.16 inches. The ASOS rainfall report at Truman Field in St. Thomas reported 1.82 inches of rain for the month of July ... 0.60 inches less than the normal of 2.42 inches.

The rainfall during the month of July continued the steady decline during the season when rainfall is usually ample and necessary for the recharge to the ground water, reservoirs, lakes and water supply cisterns. A greater portion of the area was designated to be in some sort of water supply deficit category...whether it be, hydrological, meteorological, agricultural, water supply or combination of any of the above mentioned.

Even with the overall rainfall deficits...there were a few events that were characterized by localized heavy rainfall across the forecast area during the month of July. Some rivers in the San Juan Metro area, the north...central interior and the west...northwest interior did experience some rises that exceeded flood stage. The most notable was the rise on the Culebrinas River which impacted the entire basin with flooding from San Sebastian to Moca to Aguada. The other flood events were Flash Flood events where the rivers showed rapid rises to flood stage and equally rapid recessions. There were no reports of any damage from these Flash Flood events.

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 2008](#)

While rainfall deficits across the Region continue to be significant ... both for Puerto Rico and the Virgin Islands had some limited, localized rainfall during the month of July.

Please note the following drought related graphic...updated weekly:  
[http://www.drought.unl.edu/dm/DM\\_state.htm?PR](http://www.drought.unl.edu/dm/DM_state.htm?PR)

**Table 1 - Hydrologic Products Issued**

Non-Routine Hydrologic Products Issued:	Approximate number of Products for the month
Hydrologic Outlooks (SJUESFSJU)	0
Flood Watches (SJUFFASJU)	2
Flood Warnings (SJUFLWSJU)	4
Flash Flood Warnings (SJUFFWSJU)	1
Flash Flood Statements (SJUFFSSJU)	3
Urban/Small Stream Flood Advisories (SJUFLSSJU)	58