

**MONTHLY REPORT OF HYDROLOGIC CONDITIONS**

REPORT FOR:  
MONTH            YEAR  
June            2009

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

SIGNATURE  
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DATE  
07/27/2009

*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 10.37 inches of rain for the month of June... 6.85 inches more than the normal of 3.52 inches. The ASOS rainfall report from Cyril E. King Airport in St. Thomas reported 5.33 inches of rain for the month of June...2.98 inches greater than the normal of 2.35 inches.

June was a record breaker, in terms of rainfall, at both the San Juan and the Saint Thomas ASOS sites. Hydrologically, this rainfall resulted in an active period for both the U.S. Virgin Islands and Puerto Rico...producing urban flood problems for the San Juan Metropolitan Area eastward to Fajardo and Naguabo. Although the reported rainfall amounts were impressive, it is even more surprising that the majority of the rainfall occurred during the first half of the month...through June 17<sup>th</sup> (See SERFC gage summary below). The heavy rainfall that impacted the Region was a result of a couple of mid to upper level troughs which moved across the Western Atlantic producing unstable atmospheric conditions while interacting with the moist tropical moisture moving in with the Easterly Trades.

There were multiple flood events during the month, but the most significant flooding was limited to urban and small stream flooding. The only "larger" river that experienced flooding (in the minor category) during this month was Rio Camuy.

**Information from LSRs: Flooding and mudslides.**

June 3<sup>rd</sup>

EMERGENCY MANAGEMENT OFFICIAL REPORTED ROAD 3 WAS FLOODED OVER BO. MARIANA, BO. BOTIJAS AND BO. DAJAO IN THE MUNICIPALITY OF NAGUABO.

EMERGENCY MANAGEMENT OFFICIAL REPORTED RIO FAJARDO WAS OUT OF ITS BANKS ALONG ROAD 53 WITH THE INTERSECTION WITH ROAD 3 IN THE MUNICIPALITY OF FAJARDO.

EMERGENCY PERSONAL OF SAN JUAN REPORTED FLASH FLOODING IN URBANIZATION FLORAL PARK IN SAN JUAN/HATO REY AND ROAD FIVE JUANA MATOS IN CATANO.

June 5 <sup>th</sup>	NWS EMPLOYEE REPORTED URBAN FLOODING IN LEVITTOWN.
June 9 <sup>th</sup>	EMERGENCY MANAGEMENT REPORTED A STRONG THUNDERSTORM AFFECTED THE CENTER OF ST THOMAS FROM DRAKES PASSAGE TO MOUNTAIN TOP. SEVERAL POWER AND STREET LIGHT POLES BLOWN DOWN...STREET LIGHTS DAMAGED...TREES AND BRANCHES DOWN AND A COUPLE OF SMALL MUDSLIDES. - SAINT THOMAS
June 10 <sup>th</sup>	ROAD 182 IN BARRIO CALABAZA FLOODED DUE TO RECENT HEAVY RAINS OVER RIO GUAYANES AND CANO DE SANTIAGO...WHERE PARTS OF THE RIVER CAME OUT OF ITS BANKS. - YABUCOA
June 16 <sup>th</sup>	ROAD CATALINA MORALES IMPASSABLE DUE TO FLOODING FROM HEAVY RAINS. - YABUCOA

The approximate amounts of Hydrologic Products issued during the month of June 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)	2
Flood Warnings (SJUFLWSJU)	2
Flash Flood Warnings (SJUFFWSJU)	5
Flash Flood Statements (SJUFFSSJU)	4
Urban/Small Stream Flood Advisories (SJUFLSSJU)	117

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