

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
MONTH YEAR
November 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
12/15/2009

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 12.14 inches of rain for the month of November; 5.97 inches more than the normal of 6.17 inches. The ASOS rainfall report from Cyril E. King Airport in St. Thomas was 9.96 inches for the month of November; 4.68 inches more than the normal of 5.28 inches. While above normal rainfall was reported at many locations across the region, the rainfall reported on the island of Saint Croix remained just below five inches, almost one inch below its November normal. "November 2009 ended as the third wettest November on record at Luis Muñoz Marin Airport in San Juan when 12.14 inches of rain was recorded...The two wettest Novembers on record remain 1979 and 1977, when 15.96" and 12.44" inches of rain were recorded respectively." (Excerpts from SJU's climate reports ... for more local climate details ... see <http://www.srh.noaa.gov/sju/?n=2009climatereport>)

In "mid November, an unusual south to southwest wind flow brought scattered to numerous showers across the north and northeast sections of Puerto Rico. For this particular event, measurements indicated 2.62", 3.15" and 2.36" of rainfall accumulated at the Adjuntas Substation, Orocovis and the WFO San Juan respectively. Also, a new record river stage was set along the Rio Piedras River in the San Juan Metro area after several very wet days, when it crested at 23.60 feet on November 15th." (Excerpts from SJU's climate reports ... for more local climate details ... see <http://www.srh.noaa.gov/sju/?n=2009climatereport>)

The flooding along the Rio Piedras in the San Juan Metro Area was extreme as motorists were forced to abandon their cars on flooded roadways; parking garages were flooded with numerous road and business closures. While mid-November was very active hydrologically, the flooding along the Rio Piedras was by far the most significant when compared with the street and urban flooding in Christiansted, Saint Croix on Nov. 16th and another round of flooding along the Rio Piedras on November 18th.

Please see the link to local newspaper for highlights of the flooding in the San Juan Metro November 15th and 18th. [Highlights from flooding ... El Nuevo Dia.](#)

The approximate amounts of Hydrologic Products issued during the month of November 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)	12
Flood Warnings (SJUFLWSJU)	5
Flash Flood Warnings (SJUFFWSJU)	21
Flash Flood Statements (SJUFFSSJU)	29
Urban/Small Stream Flood Advisories (SJUFLSSJU)	99

Here is the monthly “gage only” summary for the month of November...provided by the Southeast River Forecast Center (SERFC) in Atlanta - [Monthly GAGE ONLY Summary for November 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](#) . Here are the [November 2009 totals](#) .