

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
November 2011

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
12/12/2011

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 4.74 inches of rain for the month of November; 1.61 inches less than the normal of 6.35 inches. The ASOS rainfall report from Cyril E. King Airport in St. Thomas was 5.92 inches for the month of November; 0.69 inches greater than the normal of 5.23 inches.

"November 2011 began with periods of showers and isolated thunderstorms across several sectors of Puerto Rico as a result of an upper level trough combined with a surface trough and deep tropical moisture. During the latter part of the month, much drier conditions prevailed with only passing trade wind showers each morning and afternoon showers across western Puerto Rico each afternoon. Statistically, November 2011 was below normal in terms of both temperatures and precipitation in San Juan. At the Luis Muñoz Marín International Airport in San Juan, the monthly precipitation total of 4.74" was 1.61" below normal. In terms of temperature, the average temperature was just 0.2 degrees below normal. 2011 currently ranks as the fourth wettest year on record with a total of 79.96". If we were to get average rainfall during December which is 5.02", 2011 would end as the third wettest year on record."

Please see (<http://www.srh.noaa.gov/sju/?n=nov2011cr>) for November's Climate Report.

Although most of the month proved relatively "quiet" hydrologically, there were a couple of key events that would prove to be devastating. One was the on the Rio Guatemala in San Sebastian where there was significant property (including cars) damage and the other was in the Rio Grande de Arecibo basin. There were fatalities in the Rio Grande de Arecibo event from a very bizarre situation where inmates were shackled to a vehicle as it was driven across a low water crossing which then resulted in flood related fatalities.

For specific river crests ... see the [Flood Stage Report for November](#).

Local Storm Reports			
Flooding and Landslide Reports for November 2011			
..TIME...	...EVENT...	...CITY LOCATION...	...LAT.LON...
..DATE...	...MAG....	..COUNTY LOCATION..ST..	...SOURCE....
	..REMARKS..		
0402 PM	HEAVY RAIN	SSE ARECIBO	18.46N 66.74W
11/07/2011	E0.00 INCH	ARECIBO	PR BROADCAST MEDIA
*** 8 FATAL, 4 INJ *** A VAN WITH 10 INMATES AND 2 GUARDS			

WAS OVERTURNED BY A RUSH OF WATER FLOWING DOWN A SMALL STREAM/CREEK. FROM THESE 12 PASSEGERS, 4 WERE RESCUED INCLUDING 2 GUARDS AND 2 INMATES, 8 BODIES ARE STILL

CHAINED IN OF THE VAN ALONG THE CREEK. ACCORDING TO THE EMS OFFICIALS THE CREEK WAS ALREADY SWOLLED AND FLOODED THE NEARBY AREA WHEN THE VAN TRIED TO CROSS THE FLOODED AREA.

0415 PM FLASH FLOOD SAN SEBASTIAN 18.34N 67.00W
11/07/2011 SAN SEBASTIAN PR EMERGENCY MNGR

11 STRUCTURES DAMAGED IN BARRIO GUATEMALA DUE TO GUATEMALA RIVER OUT OF ITS BANKS AT THE JUNCTION WITH ROUTES 446 AND 125.

0615 AM FLOOD NAGUABO 18.21N 65.74W
11/09/2011 NAGUABO PR BROADCAST MEDIA

HIGHWAY 31 IMPASSABLE.

The approximate amounts of Hydrologic Products issued during the month of November are as follows:

Non-Routine Hydrologic Products Issued:	Approximate number of Products for the month
Hydrologic Outlooks (SJUESFSJU)	0
Flood Watches (SJUFFASJU)	6
Flood Warnings (SJUFLWSJU)	3
Flash Flood Warnings (SJUFFWSJU)	8
Flash Flood Statements (SJUFFSSJU)	8
Urban/Small Stream Flood Advisories (SJUFLSSJU)	137

For monthly "radar totals" use the archive of the Advanced Hydrologic Prediction Service (AHPS) - click on the Precipitation interface for San Juan, 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 2011 totals](#).