

NWS Form E-5
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(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 2014

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
12/15/2014

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 Airport ASOS in Puerto Rico reported 11.47 inches of rain for the month of November; 5.12 inches greater than the normal of 6.35 inches. The ASOS rainfall report from Cyril E. King Airport in St. Thomas was 7.13 inches for the month of November; 1.90 inches greater than the normal of 5.23 inches. The ASOS rainfall report from Henry E. Rohlsen Airport in St. Croix was 8.65 inches for the month of November; 3.19 inches greater than the normal of 5.46 inches.

"November 2014 began with several periods of showers and isolated thunderstorms across Puerto Rico and the U.S. Virgin Islands as a result of an upper level trough combined with deep tropical moisture. This feature produced 24hr rainfall totals near 5 inches with widespread flooding reported across Saint Croix as well as portions of the Eastern half of Puerto Rico on November the 7th. 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." (Excerpt - Please see (<http://www.srh.noaa.gov/sju/?n=nov2014cr>) for November's complete Climate Report.)

Most of the flooding that occurred during the month of November was confined to the beginning of the month as a result of the interaction between the tropical moisture with the upper level trough. The bulk of the flooding was across the U.S. Virgin Islands and the eastern half of Puerto Rico. Flash flooding across the Virgin Islands prompted road closures and school closings as rainfall rates of 1 to 2 inches an hour were reported. Across Puerto Rico, the Rio Grande de Loiza and the smaller basins on the eastern side of the island were the focus of serious flooding. The USGS river gage values do not give a true picture of the flooding that occurred with this event.

USVI - St. Croix flooding ... Youtube: www.youtube.com/watch?v=n1bVA0Dbdnk

USGS Nov 7th rainfall for PR ... http://pr.water.usgs.gov/flood/event_nov_7_2014.html

The [U.S. Drought Monitor](#) for Puerto Rico...Overall, there is a dramatic improvement in the Drought situation across the region although short and long term rainfall deficits persist in this small area. *(Please note that this is updated weekly so be very careful when you look at/use this data)*

Here is the [November Flood Crest Report](#) (E3).

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)	16
Flood Warnings (SJUFLWSJU)	9
Flash Flood Warnings (SJUFFWSJU)	11
Flash Flood Statements (SJUFFSSJU)	4
Urban/Small Stream Flood Advisories (SJUFLSSJU)	105

Here is the [November 2014 rainfall totals graphic](#).

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. (<http://water.weather.gov/precip/?loctype=WFO&loc=wfoSJU>)