

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
August 2012

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
09/12/2012

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 7.48 inches of rain for the month of August; 2.20 inches greater than the normal of 5.46 inches. The ASOS rainfall report from Cyril E. King Airport in St. Thomas was 2.79 inches for the month of August; 0.95 inches less than the normal of 3.74 inches.

"August 2012 began with Tropical Storm Ernesto. This system tracked south of Puerto Rico and U.S. Virgin Islands on August 3rd and 4th and left periods of showers and thunderstorms mainly over the southern slopes of the island. Afterward, a generally fair weather pattern prevailed, with limited convection across western Puerto Rico. By the end of the month, Tropical Storm Isaac tracked south of the area leaving hazardous sea across the Caribbean waters. The outer bands of Isaac left rainfall accumulations of 2 to 4 inches island-wide with isolated amounts between 6 and 8 inches across sectors of eastern and southern Puerto Rico during a four day period. Strong gusty winds were also reported with Isaac."

"Please see (<http://www.srh.noaa.gov/sju/?n=aug2012cr>) for August's Climate Report.

After a near normal July; August stayed on course with reasonable rainfall amounts across the islands. The majority of the rainfall occurred at the beginning and the end of the month with the passage of the Tropical Storms to the south of the forecast area. Once again, impact at the gaged locations was noticeably "restrained" due to the drier soils. Some significant rises to near or just above flood stage were noted especially on the shorter, flashier basins along the Southern Slopes of Puerto Rico, where some high intensity rainfall occurred in association with the passage of Tropical Storm Ernesto and Isaac.

The U.S. Virgin Islands also received some much needed rainfall to refill the cisterns across those islands. There were reports of power outages but widespread flash flooding was not reported.

"Please see [August's Crest Report](#) for details on any flooding.

There were many reports of Flash Flooding and Debris Flow in Puerto Rico, associated with Tropical Storm Ernesto and Isaac moving across the Caribbean Sea, to the south of the islands. While the gaged data showed only minor to moderate flooding, significant impacts occurred due to the high intensity tropical rainfall. As noted earlier, the majority of the reports were from the southern municipalities of Puerto Rico. The following table contains the damage reported.

Local Storm Reports for August 2012

..TIME...	...EVENT...	...CITY LOCATION...	...LAT.LON...
..DATE...MAG....	..COUNTY LOCATION..ST...	...SOURCE....
	..REMARKS..		
0545 PM 08/04/2012	HEAVY RAIN E0.00 INCH	PONCE PONCE	17.99N 66.61W PR EMERGENCY MNGR
	HEAVY RAIN CAUSED MUDSLIDE ON ROAD 139 IN FRONT OF GUITO MORALES.		
0550 PM 08/04/2012	FLOOD	PONCE PONCE	17.99N 66.61W PR EMERGENCY MNGR
	URBAN FLOODING REPORTED ON ROAD NUMBER 2 AND LAS AMERICAS AVENUE.		
0615 PM 08/04/2012	HEAVY RAIN E0.00 INCH	PONCE PONCE	17.99N 66.61W PR EMERGENCY MNGR
	HEAVY RAIN CAUSED A MUDSLIDE AT PUNTA DIAMANTE SECTOR...AFFECTING SEVERAL HOUSES.		
0735 PM 08/04/2012	FLASH FLOOD	PONCE PONCE	17.99N 66.61W PR EMERGENCY MNGR
	2 STRANDED VEHICLES...WITH PEOPLE INSIDE...ON ROAD 123 DUE TO FLOOD WATERS FROM A SMALL STREAM THAT WENT OUT OF ITS BANKS AND FLOODED THE ROAD.		
0800 PM 08/04/2012	HEAVY RAIN E0.00 INCH	PONCE PONCE	17.99N 66.61W PR EMERGENCY MNGR
	HEAVY RAIN CAUSED A MUDSLIDE ON ROAD NUMBER 2 RIGHT NEXT TO LAS CUCHARAS SECTOR. 1 PERSON INSIDE A VEHICLE WAS REPORTED TO BE STRANDED.		
0840 PM 08/04/2012	HEAVY RAIN M5.30 INCH	PENUELAS PENUELAS	18.06N 66.72W PR CO-OP OBSERVER
	PENUELAS OBSERVER REPORTED 5.30 INCHES OF RAIN SO FAR.		
0901 AM 08/24/2012	FLOOD	PENUELAS PENUELAS	18.06N 66.72W PR PUBLIC
	HEAVY RAIN AND ROAD 385 FLOODED.		
1000 AM 08/24/2012	FLOOD	SABANA GRANDE SABANA GRANDE	18.08N 66.97W PR NEWSPAPER
	DUE TO HEAVY RAIN...ROAD PR 368 THAT CONNECTS YAUCO AND SABANA GRANDE IS IMPASSABLE DUE TO RISES OF RIO LOCO. ALSO ROAD PR 335 IS IMPASSABLE.		

1100 AM 08/24/2012	FLASH FLOOD	JUANA DIAZ JUANA DIAZ	PR	18.05N 66.51W PUBLIC
		RIO JACAGUAS IN JUANA DIA OUT OF ITS BANKS...COVERING LOCAL ROAD.		
1100 AM 08/24/2012	DEBRIS FLOW	GUAYANILLA GUAYANILLA	PR	18.02N 66.79W EMERGENCY MNGR
		MUDSLIDE IN SECTOR JAGUA PASTO ROAD 378 GUAYANILLA.		
1100 AM 08/24/2012	FLOOD	PONCE PONCE	PR	17.99N 66.61W NEWSPAPER
		ROAD PR 511 IMPASSABLE DUE TO COLLAPSE OF BRIDGE IN SECTOR JURUTUNGO DE REAL ANON IN PONCE.		
1248 PM 08/24/2012	FLASH FLOOD	MAUNABO MAUNABO	PR	18.01N 65.90W EMERGENCY MNGR
		RIO MAUNABO OVER BARRIO TUMBAO BRIDGE AT ROAD 759 WAS REPORTED OUT OF IS BANKS.		
0145 PM 08/24/2012	FLASH FLOOD	PATILLAS PATILLAS	PR	18.01N 66.01W PUBLIC
		IN BARRIO JAGUAL ROAD 184 IN PATILLAS RIVER OUT OF ITS BANKS.		
0145 PM 08/24/2012	FLASH FLOOD	SAN LORENZO SAN LORENZO	PR	18.19N 65.97W PUBLIC
		RIVER GRANDE DE LOIZA OUT OF ITS BANKS IN SECTOR LA MARINA IN SAN LORENZO.		
0157 PM 08/24/2012	FLOOD	CAYEY CAYEY	PR	18.12N 66.16W PUBLIC
		RIVER IN SECTOR BEATRIZ IN CAYEY OUT OF ITS BANKS.		
0141 PM 08/24/2012	FLASH FLOOD	MAUNABO MAUNABO	PR	18.01N 65.90W EMERGENCY MNGR
		RIVER MAUNABO IN ROAD 759 OUT OF ITS BANKS.		
0252 PM 08/24/2012	DEBRIS FLOW	UTUADO UTUADO	PR	18.27N 66.71W NEWSPAPER
		MUDSLIDE MAKING IMPASSABLE ROAD PR 123 FROM UTUADO TOWARDS ADJUNTAS.		

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

Non-Routine Hydrologic Products Issued:	Approximate number of Products for the month
Hydrologic Outlooks (SJUESFSJU)	0
Flood Watches (SJUFFASJU)	11
Flood Warnings (SJUFLWSJU)	0
Flash Flood Warnings (SJUFFWSJU)	8
Flash Flood Statements (SJUFFSSJU)	4
Urban/Small Stream Flood Advisories (SJUFLSSJU)	67

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 [August 2012 totals](#).