

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 2013
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 <hr/> DATE 12/10/2013

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 9.02 inches of rain for the month of November; 2.67 inches greater than the normal of 6.35 inches. The ASOS rainfall report from Cyril E. King Airport in St. Thomas was 10.95 inches for the month of November; 5.72 inches greater than the normal of 5.23 inches. The ASOS rainfall report from Christiansted Airport in St. Croix was 5.76 inches for the month of November; 0.30 inches greater than the normal of 5.46 inches.

“November 2013 began with periods of showers and isolated thunderstorms across several sectors of the forecast area as a result of troughiness combined with deep tropical moisture. The following weeks, a more typical weather pattern prevailed, with persistent trade wind showers across the windward side of the local islands each morning and a few showers across western Puerto Rico in the afternoon. The local weather pattern became very wet during the last week, when troughiness returned once again over the area. Statistically, November 2013 was above normal in terms of precipitation in San Juan, Saint Thomas and Saint Croix and above normal in terms of temperatures in Saint Croix. In fact, at the Cyril E King Airport in Saint Thomas, the monthly precipitation total of 10.95” was 5.72” above normal.”

(Excerpt - Please see (<http://www.srh.noaa.gov/sju/?n=nov2013cr>) for November's complete Climate Report.)

The month of November was wet, which was a welcome relief after a drier than normal October. Although mainstem river flooding was not extensive, the urban, poor drainage and small stream flooding proved devastating to many communities, when high intensity rainfall resulted in flooding in cities of San Juan Metro and Ponce in Puerto Rico and Christiansted in St. Croix. A few communities were also impacted by landslides during the month of November.

See details of some flood reports in the LSR reports below:

Local Storm Reports for November 2013			
..TIME...	...EVENT...	...CITY LOCATION...	...LAT.LON...
..DATE...MAG....	..COUNTY LOCATION..ST..	...SOURCE....
	..REMARKS..		
0435 PM 11/02/2013	FLOOD	CHRISTIANSTED SAINT CROIX	17.75N 64.71W VI EMERGENCY MNGR
	MELVIN EVANS HIGHWAY NEAR EAST AIRPORT ROAD, AREAS OF NORTH SIDE ROAD WERE REPORTED FLOODED.		
0451 PM 11/05/2013	FLOOD	PONCE PONCE	17.99N 66.61W PR PUBLIC
	CAPITAN CORREA STREET WAS FLOODED.		
0453 PM 11/05/2013	FLOOD	PONCE PONCE	17.99N 66.61W PR PUBLIC
	ROSALY HOUSING COMPLEX WAS FLOODED.		
0456 PM 11/05/2013	FLASH FLOOD	PONCE PONCE	17.99N 66.61W PR PUBLIC
	ENTRANCE TO CENTRO COMERCIAL DEL SUR MALL WAS REPORTED FLOODED.		
0456 PM 11/05/2013	FLOOD	PONCE PONCE	17.99N 66.61W PR PUBLIC
	ROAD PR-132 AT JARDINES DEL CARIBE AREA WAS REPORTED FLOODED.		
0456 PM 11/05/2013	FLASH FLOOD	PONCE PONCE	17.99N 66.61W PR PUBLIC
	SMALL CREEK WENT OUT OF ITS BANKS FLOODING A BRIDGE AND MAKING IMPASSABLE THE ROAD NEAR THE ENTRANCE OF BARRIO LA YUCA.		
0456 PM 11/05/2013	FLOOD	PONCE PONCE	17.99N 66.61W PR PUBLIC
	STREETS AT MARIANI URBANIZATION WERE REPORTED FLOODED.		
0508 PM 11/05/2013	FLOOD	PONCE PONCE	17.99N 66.61W PR PUBLIC
	MARTIN CORCHADO STREET WAS REPORTED FLOODED.		

0511 PM 11/05/2013	FLOOD	PONCE PONCE	PR	17.99N 66.61W PUBLIC
LAS AMERICAS AVENUE WAS REPORTED FLOODED. A CAR WAS STRANDED IN THE WATERS.				
0636 PM 11/05/2013	FLOOD	PONCE PONCE	PR	17.99N 66.61W PUBLIC
LA RAMBLA SECTOR WAS FLOODED.				
0430 PM 11/06/2013	FLOOD	UTUADO UTUADO	PR	18.27N 66.71W EMERGENCY MNGR
EMERGENCY MNGRS REPORTED TWO LANDSLIDES ALONG ROAD 123 AS WELL AS AT BARRIO DON ALONZO BOTH IN UTUADO.				
0504 PM 11/09/2013	FLOOD	PONCE PONCE	PR	17.99N 66.61W EMERGENCY MNGR
SMALL CREEK AFFECTING STATE ROUTE PR-505 IN BARRIO LA YUCA IN UPPER PARTS OF PONCE.				
0800 PM 11/21/2013	FLOOD	BAYAMON BAYAMON	PR	18.38N 66.16W EMERGENCY MNGR
IN BAYAMON GARDENS...STREET 14 NEAR SIERRA LINDA WAS CLOSED BY EMERGENCY MANAGERS DUE TO A CREEK GETTING OUT OF ITS BANKS INTERMITTENTLY THROUGH THE NIGHT HOURS BETWEEN 2000L AND 0100L.				
1100 PM 11/21/2013	FLOOD	BAYAMON BAYAMON	PR	18.38N 66.16W EMERGENCY MNGR
SEVERAL HOUSES GOT FLOODED IN THE NEIGHBORHOODS OF FRANCISCO OLLER STREET 6 C-C...EL CORTIJO STREET 1D-1 AND MIRAFLORES.				
0530 PM 11/30/2013	FLOOD	SAN JUAN SAN JUAN	PR	18.41N 66.06W EMERGENCY MNGR
5TH STREET AT VILLA NEVARES FLOODED.				
0530 PM 11/30/2013	FLOOD	SAN JUAN SAN JUAN	PR	18.41N 66.06W EMERGENCY MNGR
SEVERAL STREETS FLOODED AT BARRIO OBRERO...INCLUDING LYN STREET AND WILLIAN STREET.				
0530 PM 11/30/2013	FLASH FLOOD	SAN JUAN SAN JUAN	PR	18.41N 66.06W EMERGENCY MNGR
MINILLAS TUNNEL CLOSED DUE TO FLOOD.				

0530 PM 11/30/2013	FLASH FLOOD	SAN JUAN SAN JUAN	PR	18.41N 66.06W EMERGENCY MNGR
HIGHWAY LAS AMERICAS CLOSED DUE TO FLOOD.				
0530 PM 11/30/2013	FLOOD	GUAYNABO GUAYNABO	PR	18.39N 66.11W PUBLIC
SOCIAL MEDIA REPORTS INDICATED URBAN FLOODING AT SAN PATRICIO AREA.				
0530 PM 11/30/2013	FLOOD	SAN JUAN SAN JUAN	PR	18.41N 66.06W EMERGENCY MNGR
SEVERAL STREETS FLOODED AT CUPEY...INCLUDING BETANCES AVENUE AND WINSTON CHURCHILL AVENUE.				
0530 PM 11/30/2013	FLOOD	SAN JUAN SAN JUAN	PR	18.41N 66.06W NEWSPAPER
PINERO AVENUE FLOODED IN LOW LYING AREAS.				
0530 PM 11/30/2013	FLOOD	SAN JUAN SAN JUAN	PR	18.41N 66.06W EMERGENCY MNGR
SEVERAL STREETS FLOODED AT PUERTO NUEVO...INCLUDING ANDALUCIA AVENUE...20TH STREET...MATADERO STREET...54TH NE STREET...DE DIEGO AVENUE.				
0530 PM 11/30/2013	FLOOD	VEGA ALTA VEGA ALTA	PR	18.42N 66.32W EMERGENCY MNGR
ROAD 620 AND 647 AT VEGA ALTA FLOODED IN LOW LYING AREAS.				
0615 PM 11/30/2013	FLOOD	SAN JUAN SAN JUAN	PR	18.41N 66.06W PUBLIC
SOCIAL MEDIA REPORTS INDICATED FLOOD IN LOW LYING AREAS ALONG MUNOZ RIVERA AVENUE NEAR UPRRP AND KENNEDY AVENUE NEAR SAN PATRICIO.				

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)	0
Flood Warnings (SJUFLWSJU)	1
Flash Flood Warnings (SJUFFWSJU)	1
Flash Flood Statements (SJUFFSSJU)	0
Urban/Small Stream Flood Advisories (SJUFLSSJU)	74

Here is the November 2013 rainfall totals graphic.

(http://water.weather.gov/precip/index.php?yday=1386633600&yday_analysis=0&layer%5B%5D=0&layer%5B%5D=1&layer%5B%5D=4&timetype=YM&loctype=WFO&units=engl&timeframe=curren&timeYYYY=2013&timeMM=11&product=observed&loc=wfoSJU)

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/ahps2/precip.php?wfo=sju>)