

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  
September      2006

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  
10/24/2006

*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 1.78 inches for the month of September ... 3.82 inches less than the normal of 5.60 inches. At the Truman Field in St. Thomas, the reported amount was 4.85 inches ... 0.49 inches less than the normal of 5.34 inches. Although St. Thomas ASOS monthly total was close to normal, the entire region was more in line with the San Juan ASOS ... drier than normal. Western Interior Puerto Rico was an exception with a very wet period that occurred from around September 17<sup>th</sup> ... on and off ... through September 23<sup>rd</sup>.

Typically, during the month of September there are numerous tropical waves that form in the preferred areas of the tropics and move eastward across the Region. Along with Hurricane Helene, Gordon and Florence was Ernesto ... all developing during this month. Fortunately for the Forecast Area, these storms moved either to the east-northeast or to the south-southwest with very minimal impact except for some increased moisture which led to periods of localized bands of heavy rainfall. These bands consistently set up and drifted around the Adjuntas area in the afternoons for a period of approximately 4 to 5 days.

The highest impact was in the Western and Central Interior basins resulting in a very active hydrologic period for the upper Grande De Arecibo basin above Dos Bocas Dam. During this period minor flooding was noted on the Rio Grande De Arecibo, Rio Pellejas, Rio De La Plata, Rio Guajataka and Rio Culebrinas ... all areas fed from rainfall in the mountains of the Western and Central Interior. The majority of the Hydrologic Products issued for the month of September was in association with this pattern/event.

**The rainfall reported is for a 24 hour period ... while in reality... most of this rainfall occurs in less than 6 hours.**

24 Hr Rainfall ending 7am 9/19/2006	24 Hr Rainfall ending 7am 9/21/2006
ARJP4 3.89 :R YUNES@HWY140 NR FL (PR)	OROP4 3.10 :LAGO DE MATRULLAS (PR)
AJTP4 3.83 :ADJUNTAS 5WNW/AG STN (PR)	LADP4 2.61 :LG ADJUNTAS/ADJUNTAS (PR)
ARHP4 3.07 :DOS BOCAS 3E, PR (PR)	YAHP4 2.56 :L YHUECAS/ADJNTS 6NW (PR)
UTKP4 3.05 :B RNCADOR NR UTUADO (PR)	LGUP4 2.50 :L GUAYO NR CASTANER (PR)
ZCAP4 2.76 :RIO GR DE ARECIBO-AD (PR)	ALPP4 2.45 :AIBONITO 1S, PR (PR)
MAOP4 2.70 :MARICAO (PR)	ADLP4 2.10 :R PELLEJAS@CTRL PLJS (PR)
ADKP4 2.55 :ADJUNTAS 2NW, PR (PR)	
LARP4 2.21 :R GUAJATACA @ LARES (PR)	
LADP4 2.11 :LG ADJUNTAS/ADJUNTAS (PR)	

Non-Routine Hydrologic Products Issued:	Approximate number of Products for the month
Hydrologic Outlooks (SJUESFSJU)	0
Flood Watches (SJUFFASJU)	0
Flood Warnings (SJUFLWSJU)	0
Flash Flood Warnings (SJUFFWSJU)	6
Flash Flood Statements (SJUFFSSJU)	4
Urban/Small Stream Flood Advisories (SJUFLSSJU)	102