

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 February 2007
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 3/20/2007

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 1.10 inches of rain for the month of February ... 1.20 inches less than the normal of 2.30 inches. At the Truman Field in St. Thomas, the reported amount was 0.84 inches ... 0.67 inches less than the normal of 1.51 inches.

Please note the following drought related graphics:

<http://www.drought.unl.edu/dm/monitor.html>

& <http://www.noanews.noaa.gov/stories2007/images/drought-outlook-03-15-2007b.jpg>

Excerpts from the Flood Potential Statement (ESFSJU) issued earlier in March...

FOCUSING ON PUERTO RICO, THE ENTIRE ISLAND EXCLUDING THE NORTH COASTAL REGION HAS BEEN DESIGNATED AS ABNORMALLY DRY WITH THE SOUTH CENTRAL AREA THROUGH THE SOUTHEAST DESIGNATED AS A REGION IN MODERATE DROUGHT BY THE U.S. DROUGHT MONITOR. THE PALMER DROUGHT INDEX INDICATED A RAINFALL DEFICIT OF ANYWHERE FROM 4.5 INCHES TO OVER 11 INCHES WITHIN THE DIFFERENT CLIMATIC ZONES OF PUERTO RICO. THE BIGGEST PROBLEM SO FAR HAS BEEN RECURRING WILDFIRES ACROSS THE ENTIRE FORECAST AREA WITH A FIRE RECENTLY REPORTED IN ST. CROIX.

ALTHOUGH SOME AREAS OF PUERTO RICO RECEIVED LOCALIZED, NOTABLE RAINFALL OVER THE PAST COUPLE OF WEEKS, THE AREAS WITH THE MOST DEFICITS DID NOT RECEIVE ANY SIGNIFICANT RAIN AND CONTINUE TO EXPERIENCE MODERATE DROUGHT CONDITIONS. THE HARDEST HIT AREA CONTINUES TO BE THE "SOUTHERN SLOPES" OF PUERTO RICO WHERE SOIL MOISTURE CONDITIONS CONTINUE TO DETERIORATE AS THE LIMITED RAINFALL HAS BEEN VERY SPOTTY. THIS IS THE DRY SEASON FOR PUERTO RICO AND THE VIRGIN ISLANDS SO DRY SOILS IN MARCH IS NORMAL BUT THIS YEAR THE SOILS ARE ABNORMALLY DRY..

STREAMFLOW MEASURED BY THE USGS GAGING NETWORK SHOWS MOST LOCATIONS RUNNING AT FLOWS BELOW THE LONG TERM MEDIAN FLOW WITH A COUPLE IN THE NORMAL TO ABOVE NORMAL RANGE. THE OVERALL INDICATORS SHOW BELOW NORMAL CONDITIONS.

CLIMATOLOGICALLY, RAINFALL AMOUNTS ARE EXPECTED TO BE ON THE

INCREASE DURING THE MONTH OF APRIL AND THE EXTENT AND INTENSITY OF THIS RAINFALL WILL BEST DETERMINE THE FLOOD POTENTIAL ACROSS THE ISLANDS. THE CURRENT ANTECEDENT FACTORS ARE ALL BELOW NORMAL BUT WITH THE SMALL BASINS OF THE REGION, CONDITIONS CAN QUICKLY CHANGE.

...No Hydrologic products were issued during the month of February.