

HURRICANE DORIAN

SITUATION REPORT No. 4

AS OF 8:00PM ON SEPTEMBER 2, 2019



Life-threatening Storm Surge And Catastrophic Winds Continue Over Grand Bahama Island

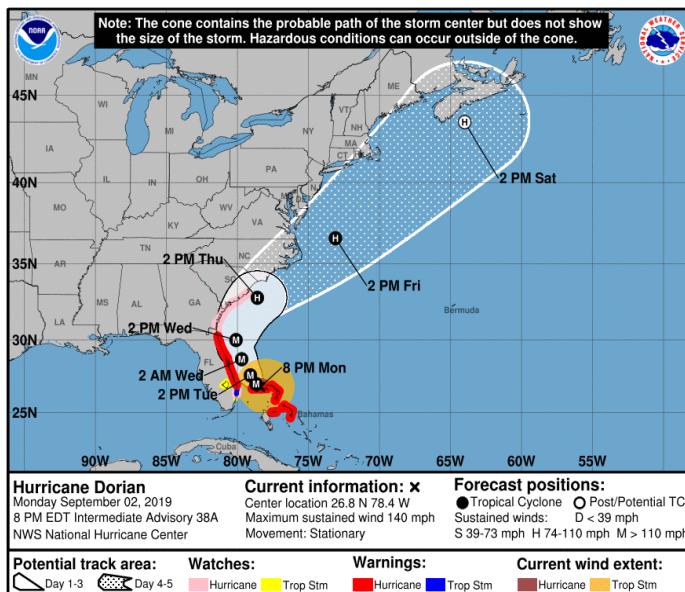
LOCATION: 25 MILES (40 KM) NORTH EAST OF FREEPORT GRAND BAHAMA ISLAND

PRESENT MOVEMENT: STATIONARY

MAXIMUM SUSTAINED WINDS: 140 MPH (220 KM/H)

MINIMUM CENTRAL PRESSURE: 942 MB (27.82 IN)

➤ **HURRICANE WARNING**
Grand Bahama and the Abacos Islands in the Northwestern Bahamas



Hurricane Dorian forecast track – 8:00 PM (AST) September 2, 2019

SITUATION

According to the National Hurricane Center (NHC) in Miami, Florida, at 8:00 PM AST, the eye of Hurricane Dorian was located near latitude 26.8 North, longitude 78.4 West. Dorian remains nearly stationary just north of Grand Bahama Island. A slow west-northwestward motion is expected to resume overnight and continue into early Tuesday. A turn toward the northwest is forecast by late Tuesday, with a north-eastward motion forecast to begin by Wednesday night. On this track, the core of extremely dangerous Hurricane Dorian will continue to pound Grand Bahama Island into Tuesday morning.

An Air Force Reserve Hurricane Hunter aircraft has found that maximum sustained winds are near 140 mph (220 km/h) with higher gusts. Dorian is a category 4 hurricane on the Saffir-Simpson Hurricane Wind Scale. Although gradual weakening is forecast, Dorian is expected to remain a powerful hurricane during the next couple of days.

Hurricane-force winds extend outward up to 45 miles (75 km) from the center and tropical-storm-force winds extend outward up to 150 miles (240 km).

Updates from Impacted CDEMA Participating State

The Caribbean Disaster Emergency Management Agency (CDEMA) made contact with the National Emergency Management Agency (NEMA) The Commonwealth of Bahamas in and the following was reported:



THE BAHAMAS

Updates/actions undertaken by NEMA, The Bahamas

- The NEOC has reported five (5) confirmed deaths as a result of the impact on Abaco
- Reported damage to infrastructure in Abaco; hotels and houses were among those destroyed
- Marsh Harbor the main port is reported to be under water
- Total population exposure on Grand Bahama and Abaco is estimated at 76,278
- Parts of New Providence have been impacted; five (5) shelters were activated on Sunday September 1, 2019 and one was opened
- The Government has the capacity to supply food and water for both islands for 2 weeks. Supplies will be sent once the all clear has been given

The following is a Needs List Provided for Water Supply & Storage from Bahamas Water & Sewage

Water and Sewerage Corporation (WSC)

Abaco well fields are believed to be compromised due to tidal surge, which directly impacts the water quality. WSC is in need of:

(150) 1hp \meyers pump dual voltage 120/208 1 phase

(100) 7 1/2 hp pump flint and Walling 230/460 volts 3 phase

(75) 3hp pump 120/208 1 phase

(Salt water) Reverse Osmosis Plant 15,000-20-000 Imperial gallons (8 units)

5,000 gallons capacity plastic storage pumps

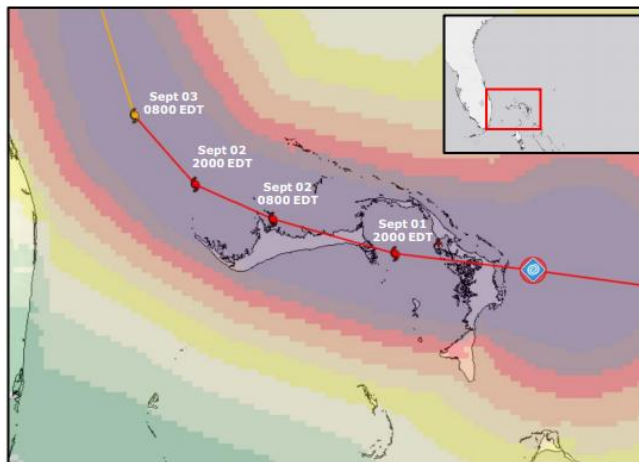
(10) 30,000 Imperial gallons bladder tanks

(6) 60KVa Generators to Power pumps

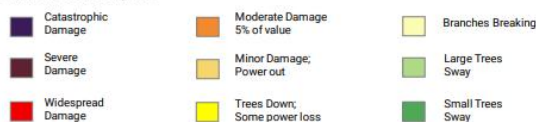
Caribbean Disaster Emergency Management Agency (CDEMA) Actions

- Members of the Rapid Needs Assessment Teams began arrival in Nassau, Bahamas on Saturday August 31, 2019 and are on stand-by to be deployed into the impacted areas immediately after the all-clear has been issued. The RNAT currently consist of 18 persons from the CDEMA Participating States, Caribbean Public Health Agency (CARPHA), Global Affairs Canada (GAC), Pan American Health Organization (PAHO), Port Managers Association of the Caribbean (PMAC), Private Sector, United Nations Office for the Coordination of Humanitarian Affairs (UNOCHA) and the World Food Programme (WFP).
- The RNAT is assisting the National Emergency Management Agency (NEMA), The Bahamas with pre-impact data analysis and operational planning including preliminary need identification.
- The Rapid Needs Assessment Teams are expected to support assessments on the family islands most impacted by Dorian. The teams will support the Government of the Bahamas in rapidly assessing the damage from the hurricane and prioritizing needs following the All Clear.
- CDEMA and the UN Resident Coordinators for Barbados and Jamaica Co-Chaired the ninth meeting of the Regional Response Mechanism Partners - Caribbean Development Partners Group - Disaster Management (CDPG DM), at 1:00 PM today, September 2, 2019.
- The Regional Response Teams remain on ALERT: CARICOM Disaster Assessment and Coordination (CDAC), CARICOM Operational Support Team (COST), the Multi-National Civil Military Coordination Cell (MNCCC) and the CARICOM Disaster Relief Unit (CDRU).
- CDEMA CU urges members of the Regional Response Mechanism (RRM) to continue to monitor the progress of this system

Hurricane Dorian: The Bahamas Estimated Wind Impact Analysis Advisory 33 01SEPT19 1100EDT



Estimated Wind Impacts

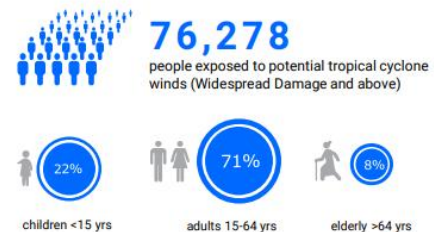


Forecast Track

Typhoon Track > 74 mph (120kph)

Tropical Storm

Maximum potential population exposure



Breakdown of potential needs



Total Capital Exposure **\$8.4 billion**

List actions being undertaken by the RRM Partners as of 8:00PM September 2, 2019



RELIEF SUPPORT

- **CARPHA:** Provide support to the RNAT (WASH expert); will be on stand by to provide technical support re: vector control, food safety and environmental safety, and risk communication
- **ECHO:**
 - (i) The European Civil Protection Mechanism EUCPM (EU experts on different specialized fields including search and rescue, WASH, relief and in-kind support) could be activated upon request of national governments and United Nations
 - (ii) The European Commission's Copernicus Emergency Mapping Service has been activated in rapid mapping mode by the ERCC for the production of first estimate products and grading maps; true, activated, waiting for maps
 - (iii) An updated ARISTOTLE Emergency Report on the possible impact of TC Dorian in the Bahamas, specifically in Grand Bahama and Abaco islands, has already been produced; true Aristotle produced timely reports
 - (iv) DG ECHO is considering using its Emergency funding tools: Small Scale Tool, Acute Large Emergency Response Tool, DREF and Epidemics Tool
- **FAO:** To provide assessment experts - agriculture, forestry and fisheries
- **IOM:** To provide an emergency coordinator
- **UNDP:** To provide support for assessments and data collection: post disaster needs assessment facilitator - on standby; debris management specialists - on standby; Early recovery expert – available in house- on standby; Emergency employment and Cash for Work Programme - to be mobilised; Recovery planning - on standby; Gender and recovery: available in house
- **UNFPA:** To provide RNAT and PDNA support for WASH, health and shelter assessments as required
- **UK Government** - To provide assistance from UK Humanitarian Response Department to include:
 - (i) Small/large emergency rapid deployment teams (ii) Goods in Kind (non-food relief supplies) - over 1000 collapsible jerry cans, 1000 hygiene kits and up to 1000 shelter kits have been pre-loaded onto RFA Mounts Bay; RFA Mounts Bay will arrive at 11PM tonight, September 2, 2019; 800 shelter kits and 1630 buckets stored in Antigua in 40ft container (iii) Secondments to intl. organizations (UN etc) (iv) Funding through Red Cross/UN or NGOs etc (v) Search and rescue and/or emergency medical teams; Deploying 3 personnel including two logisticians
- **USAID OFDA:** To provide a 17 man DART Team; 450 rolls of plastic sheeting; 600 hygiene kits with buckets; 4 chain saw sets; 1200 10L collapsible water containers
- **UNICEF Jamaica:** To provide emergency up to 400 recreation kits
- **WFP:** To provide USATs from Panama to support communication for the RNAT

List actions being undertaken by the RRM Partners as of 8:00PM September 2, 2019



RELIEF SUPPORT

IFRC:

- DREF Request to support Bahamas Red Cross actions has been approved. Number of targeted beneficiaries: 2,500.
- Regional Disaster Management Coordinator for IFRC deployed to Nassau to monitor situation, provide support to National Society, coordinate response and liaise with partners.
- Agreement with Airbus Foundation¹⁴ has been activated and a request has been sent for support with a helicopter to fly over impacted areas and drop off and pick up assessment teams.
- Thanks to the Belgium Government, the IFRC have emergency stocks pre-positioned for 1,000 people in Bahamas including body and laundry soap; polypropylene ropes; lamp/radio cellphone charger hand crank, solar power; plastic buckets; woven blankets; tarpaulins; kitchen sets and jerrycans.
- Stock prepositioned in Jamaica, Bahamas, Barbados, Saint Lucia and Trinidad & Tobago and Panama and Dominican Republic (also with support of the Belgium Government).
- Active coordination between IFRC Regional Office for the Americas and IFRC Country Cluster Support Team in Port of Spain and DM Coordinator deployed to the Bahamas.
- Additional staff to be deployed to support field operations.
- Regional DMs from PIRAC (French Red Cross) and IFRC Office in Panama remain on standby.
- Disaster Relief Emergency funds will be allocated to respond to the initial phase of the Emergency and Emergency Appeal is begin considered and final decision will be made in the next 48 hours.
- Canadian Red Cross and PIRAC are ready to send support upon request.
- Regional and Global Surge Alert for Red Cross personal has been issued.
- Bahamas Shipping instructions and logistics/customs focal point are updated.
- Contingency stock was already delivered and cleared in the Bahamas.
- Contact with regional supplies have been made and there is stock available for immediate procurement: mattresses, towels, bed sheets, chlorine tablets, among oth