

HURRICANE MATTHEW – SITUATION REPORT #9

AS OF 8:00PM EDT ON OCTOBER 9, 2016

Message: Hurricane Matthew, a powerful Category 4 Hurricane which impacted the Bahamas during 4th - 6th October, 2016, has moved out of the North-Western Bahamas. The Government of The Bahamas has discontinued the Hurricane Warning for all parts of the country. The CIMH in its analysis of the system has forecast that Matthew is to become a post-tropical system as it moves to temperate latitudes.

EVENT:

Hurricane Matthew, the 5th named hurricane of the 2016 Atlantic Hurricane season, formed near the Windward Islands on September 28, 2016. As a Tropical Storm, Matthew impacted Barbados, Dominica, Saint Lucia, and St. Vincent and the Grenadines on Wednesday September 28, 2016. As a hurricane, it impacted Jamaica and Haiti on Monday, 3rd October, 2016 and The Commonwealth of the Bahamas during 4th - 6th October, 2016.

On Sunday, 9th October, 2016 at 11:00 AM EDT (1500 UTC), Post-Tropical Cyclone Matthew was located near latitude 35.2° North, longitude 73.7° West. Maximum sustained winds are near 75 mph (120 km/h) with higher gusts and hurricane force winds extend outward up to 70 miles (110km), mainly to the southwest of the center and tropical storm-force winds extend outward up to 240 miles (390km).

PROGNOSIS:

The National Hurricane Center (NHC) indicates that Post-Tropical Cyclone Matthew has moved out of The Bahamas and is moving towards the east near 15mph (24km/h) and this general motion is expected to continue and general weakening of the system is forecasted over the next few days.

The Caribbean Institute of Meteorology and Hydrology (CIMH) provided a weather briefing today to CDEMA and other regional and international partners. Other models consulted by the CIMH, including the CIMH high-resolution models, are in general agreement with the NHC assessment and further show that over the next 48-hours, rainfall totals of less than 1 inch are expected in the Bahamas and Haiti. Analysis indicates that no further immediate threat is posed to these countries from Post-Tropical Cyclone Matthew.

NATIONAL ACTIONS:

North Western-Caribbean Participating States

The CDEMA CU maintains contact with the National Disaster Offices (NDO) of Haiti and The Commonwealth of The Bahamas regarding response to the impact from Hurricane Matthew.

Participating States:

Anguilla, Antigua and Barbuda, Bahamas, Barbados, Belize, Dominica, Grenada, Guyana, Haiti, Jamaica, Montserrat, St. Kitts and Nevis, Saint Lucia, St. Vincent and Grenadines, Suriname, Trinidad and Tobago, Turks and Caicos Islands, Virgin Islands

(Note: CDEMA CU Situation Reports present official data as issued by the National Emergency Operations Centre of an affected State. Data and information presented by the press, social media and other unofficial sources may differ.)

Haiti

The NEOC reports (Damage and Injury Report as of 8th October 2016 at midnight) that the following initial impacts have been confirmed:

- **Districts Affected:** Eleven (11) departments were affected, in particular Grand'Anse, Nippes and Sud (South). Significant impacts have been reported in the areas of Sud, specifically Les Caye and Grand'Anse specifically Jérémie.
- **Dead:** 336 (confirmed). These numbers are expected to increase as assessments continue.
- **Missing:** 4
- **Injured:** 211
- **People evacuated and in shelter:** 61,537 in 6 Departments – Centre (17), Grand Anse (14,000), Nippes (7,866), Nord-Ouest (388), Ouest (3,877), Sud (35,389)
- **People sheltering with friends and family:** 589
- **Shelters opened:** 191
- **Flooded houses:** 2,381
- **Houses highly damaged:** 25,160
- **Houses destroyed:** 500
- **Family affected:** 115,000
- **Health institutions affected:** 2
- **Schools affected:** 178
- **Telecommunications:** Severely damaged or destroyed. No cell phone access.
- **Roads and Bridges damaged:** roads damaged in Gonaives, Terre-Neuve, Miragoane, Mombin Crochu, Vallieres, Fond-Verrettes, Petit-Goâve, Anglais, Maniche, Torbeck, Cayes-Jacmel
- **Agriculture:** This sector has been highly impacted

Updates on Situation

CARICOM Operational Support Team (COST)

The COST team led by Brigadier General (Rtd) Earl Arthurs arrived in Haiti on Saturday, October 8th 2016. They reported to the Civil Protection Directorate (CPD) and received a briefing from the National Emergency Operations Centre (NEOC).

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Based on aerial assessments, significant wind damage has been observed. Reconnaissance flights were planned for Sunday October 9th, to observe damage to the Departments of Grand Anse and South. Additional reconnaissance flights will be needed for the north-western peninsula. The COST will be stationed in Les Cayes and are tasked strengthening two (2) departmental EOCs in (i) Jeremie, (in Grande Anse) and (ii) Les Cayes, (in the South).

Les Cayes

- The Emergency Operation Centre (EOC) is temporarily based at the UN
- The Operations Officer from the local EOC observed many houses roofs have been blown off

Jeremie

- The EOC has been temporarily relocated to the Administrative Complex but plans are in motion to return to their EOC building by Sunday, October 9, 2016.

General Situation

- There are five (5) communities for which there is no information. As a result, the numbers in the Damage and Injury Report may change.

Needs

The NEOC has begun the compilation of figures for the Needs List. The preliminary needs identified include: Water, Tarpaulin, Hygiene Kits, Water Purification Tablets, Vector Control, Bleach and Medicines. Priorities for the Government remain the distribution of water, food and drugs to people in temporary shelters and communities. The restoration of roads and communications are also a Government priority. Damage assessment and needs analysis (DANA) are ongoing.

An assessment of the needs of radio room revealed the following:

- one repeater to enhance the radio system
- 15 handsets (Motorola 350)
- 20 handheld radio antennas
- 1 HF handset
- SIM card for SAT Phone
- SIM card for a BGAN
- 2nd BGAN

The Bahamas

Rapid Needs Assessment Team (RNAT)

The RNAT deployed to the Bahamas via the Turks and Caicos Islands (TCI) and arrived in Nassau, Bahamas on Saturday, October 8th, 2016. The Turks and Caicos Islands, as a member of CDEMA, is

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providing support for the RNAT deployment to the Bahamas. The RNAT reported to the NEOC for a briefing on arrival.

The NEOC indicated that the hardest hit areas have been observed to be (i) Andros, particularly in communities to the north, and (ii) Grand Bahama, where the western part of the island has been severely impacted. The western area of Grand Bahama was without power and water.

The RNAT team is divided into three functional groups to support the national disaster management system in the three priority impacted islands.

- Team 1 – New Providence
- Team 2 – Andros
- Team 3 – Grand Bahama

Teams 2 & 3 departed for Andros and Grand Bahama respectively on Sunday, October 9th, 2016.

Assessment of New Providence

RNAT Team 1 has initiated assessments in two areas, Southern Shores and Misty Gardens, which had been impacted by storm surge ranging from 4-6 feet. The impacts observed include:

Southern Shores

- Wind damaged houses
- Homes and household items damaged by water intrusion from storm surge
- Debris requiring removal
- Standing water on roads which had experienced flooding.

Misty Gardens

- Roof damage to houses (but structural integrity remains).
- Uprooted trees
- Leaning electrical poles and downed power lines
- Standing water on streets nearest to the sea.

The Minister of Health and Environment has visited these areas to ensure that immediate impacts will begin to be addressed.

Immediate Needs

- Water (drinking, and for other day-to-day uses)
- Food
- Cleaning agents
- Separation of waste (removal of household waste)
- Public Information (PSAs, health awareness)

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- Water storage (tanks)
- Psychosocial support

A team from the Government of the Bahamas, lead by the Prime Minister, and has visited these islands to observe the damage and provide an initial wave of relief supplies.

Medium Term Needs

- Testing of well water to determine if safe for use.

The RNAT will coordinate with national and international partners to complete assessments in these areas and to identify other priority areas as needed.

The Government of Bahamas indicated in a press conference tonight (Sunday 9 October 2016) that damage assessments have begun, as well as early recovery work to clear roads and restore water and power in affected communities. The Ministry of Social Work has also conducted rapid assessments, and begun to provide relief supplies and to seek solutions for re-housing residents. The Ministry of Tourism indicated that most hotel properties in the Bahamas sustained minimal damage (except on Grand Bahama and Andros) with many areas already returning to operation, including the cruise terminal in New Providence. A national hotline has been established: 1-242-322-2763 or 1-242-422-2763.

Appendix 1 summarises pledges and donations of support to Haiti and the Bahamas to date.

CDEMA continues to monitor the situation and provide updates as necessary.

CONTACT DETAILS: The CDEMA CU 24-hour contact number 1(246) 434-4880

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APPENDIX 1: SUMMARY OF PLEDGES/SUPPORT FOR BAHAMAS AND HAITI – HURRICANE MATTHEW (updated Oct 9, 2016)

	CDEMA Participating States	Pledges/Support
1	Antigua and Barbuda	<ul style="list-style-type: none"> • Technical support deployed to the Bahamas - RNAT (1) member • Emergency operations personnel on standby for deployment
2	Barbados	Department of Emergency Management facilitated inoculation of Bahamas RNAT members in-transit to Haiti through Ministry of Health
3	British Virgin Islands	Emergency operations personnel on standby for deployment
4	Dominica	<ul style="list-style-type: none"> • Emergency operations personnel on standby for deployment • Providing US\$100,000 to the Government of the Bahamas
5	Grenada	Emergency operations personnel on standby for deployment
6	Guyana	Emergency operations personnel on standby for deployment
7	Jamaica – Sub-Regional Focal Point for Bahamas and Haiti	Technical personnel deployed to the Bahamas - RNAT (3) Emergency Operations personnel deployed to Haiti (2) Facilitated arrangements for Bahamas RNAT and Haiti COST teams in Kingston
8	Montserrat	Emergency operations personnel on standby for deployment
9	St. Kitts and Nevis	Emergency operations personnel on standby for deployment
10	Saint Lucia	Three (3) Emergency operations support personnel deployed to Haiti in the COST
11	Suriname	Emergency operations personnel on standby for deployment
12	Trinidad and Tobago	Bahamas RNAT one (1) technical personnel provided Emergency operations personnel on standby for deployment
13	Turks and Caicos Islands	<ul style="list-style-type: none"> • Government approved donation of US\$150,000 • Technical personnel deployed to support RNAT – Bahamas • Facilitated logistical arrangements for RNAT into the Bahamas

	<u>Regional Institutions</u>	<u>Pledges/Support</u>
14	Caribbean Development Bank (CDB)	CDB has formally contacted the Governments of Haiti and the Bahamas re: access to the Emergency Relief Grant. This is a grant of US\$200,000.
15	CARICOM Secretariat	The CARICOM Secretary General be a part of a high level delegation visiting Haiti and the Bahamas October 11 - CARICOM Secretariat organised a flight on September 5, to transport relief supplies donated by member companies of the Guyana Private Sector Commission (PSC). A cash donation was provided along with medical supplies, generators, cleaning items and other supplies
16	Caribbean Institute for Meteorology and Hydrology (CIMH)	The CIMH team has provided a daily meteorological and impact prognosis for Matthew from September 29 to Oct 7, 2016. This prognosis has taken into account the various weather scenarios for the system, including NHC information. Hydrological and marine scenarios were derived to derive a suite of likely regional and national impact scenarios that facilitate pre and post impact planning and response.
17	Caribbean Media Corporation	Deployed two(2) media personnel, one each to the Bahamas RNAT and Haiti COST team
18	Caribbean Public Health Agency (CARPHA)	<ul style="list-style-type: none"> • Provided two (2) technical personnel to support the RNAT to the Bahamas • Other technical personnel on standby to assist
19	CARILEC	Will be providing technical support to the Government of the Bahamas in the restoration of electricity supply in affected islands.
20	Council of Caribbean Engineering Associations (CCEO)	<ul style="list-style-type: none"> • Provided engineers to support the RNAT in the Bahamas • Engineers on standby to support
21	Regional Security System	RSS Airwing is on standby to support reconnaissance efforts and support deployment of relief supplies and personnel if necessary.

	Development Partner/Non-CDEMA Participating States	Pledges/support
22	European Commission Humanitarian Aid (ECHO)	<ul style="list-style-type: none"> • 1.755 Million Euros assigned for humanitarian response to Haiti • 11 member EU Civil Protection Team deployed to Haiti October 6, 2016 • One EU Civil Protection expert from Finland has been assigned to the UNDAC team in Haiti • European Emergency Response Capacity triggered to deploy two water purification modules (able to purify 250,000litres of water per day)
23	Global Affairs Canada	<ul style="list-style-type: none"> • 3 staff members deployed to Haiti (Department of National Defense) • Deployed an airport assessment specialist to support the RNAT to the Bahamas • 4.58M CDN\$ being made available to the region • Supplies being provided to Haiti. Departing Mississauga on Monday October 10, 2016.
24	Government of the United States of America (OFDA)	Disaster Assistance Response Team (DART) activated Emergency relief supplies strategically pre-positioned Arrangements to support aerial reconnaissance
25	International Federation of the Red Cross	<ul style="list-style-type: none"> • 6.8 Million Swiss Francs emergency appeal in support of the Haitian Red Cross Society (HRCS) to assist 50,000 affected persons for 12 months. Response focus on Health, WASH, Shelter and Disaster Risk Reduction • HRCS focus on affected departments of Sud, Grand Anse, Nippes, Sud-est, Ouest and Nord-ouest
	United Nations Agencies	

26	Food and Agriculture Organisation (FAO)	Will deploy a technical personnel to Haiti October 10, 2016
27	International Telecommunications Union (ITU)	<ul style="list-style-type: none"> • Deployed 20 SAT Phones to Haiti to assist in restoration of communications in cut off areas in Haiti on Oct 6, 2016. Equipment was accompanied by ITU personnel
28	OCHA	<ul style="list-style-type: none"> • Seven (7) UNDAC members are embedded in the Bahamas RNAT • Opened two field locations in the south in Jeremie and Les Cayes
29	Pan American Health Organization (PAHO)	<ul style="list-style-type: none"> • 11 Regional Response Team Experts deployed to 4 countries: Haiti (4); Bahamas (3); Jamaica (3); Cuba (1)
30	World Food Programme	<ul style="list-style-type: none"> • 25 tons of food being distributed in Jeremie (Grand Anse) • 2MT of food and 1 generator sent to Jeremie. Food includes rice, pulses and oil. Support provided by OFDA. • Ten (10) programme and logistics staff in Port –au-Prince from Oct 6, 2016 • Airlifting 30MT of High Energy Biscuits (HEBs) from Dubai • Deploying 5 teams to conduct an Emergency Food Security Assessment in the most affected departments of Grand Anse, South, South East, North West and Nippes • One (1) Logistics and one (1) programme international officer deployed to Jeremie and Les Cayes • Deployed 6 mobile storage units in Port-au-Prince to stock NFI's for the global humanitarian Community