

SITUATION

Major Hurricane Dorian, the 1st named hurricane of the 2019 Atlantic Hurricane season, formed on Saturday August 24, 2019. At the peak of strength, Dorian, a Category 5 hurricane had sustained winds of 185 mph with gusts of up to 220 mph. Estimated rainfall was 12-15 inches, and storm surge 18-23 feet above sea level.

As a Tropical Storm, Dorian placed four (4) CDEMA Participating States - Barbados, St. Vincent and the Grenadines, Saint Lucia and Dominica - under Tropical Storm Warning and one (1) CDEMA Participating State - British Virgin Islands under Hurricane Warning. The impacts on these five (5) states were negligible to minimal. Hurricane Dorian significantly impacted the north-western Bahamas islands of Abaco and Grand Bahama and the surrounding Cayes.

Hurricane Dorian made several records and is historic in many ways. It is the strongest Atlantic hurricane documented to directly impact a land mass since records began, tying it with the Labor Day Hurricane of 1935. Hurricane Dorian affected the north-western Bahamas islands for an approximate total of 68 hours, with the southern eye-wall planted over Grand Bahama for about 30 hours. The unpredictability and unprecedented nature of this hurricane is also record-making.

SNAPSHOT – IMPACT ON ABACO AND GRAND BAHAMA ISLANDS

as of September 9, 2019



**EST. EXPOSED
POPULATION**

76,268



**CONFIRMED
FATALITIES**

45



**EST. # OF PERSONS
WITH NEEDS**

15,000

COORDINATION

- A physical space has been identified for the international partners and NGOs to operate. They have identified a focal point to serve as liaison to the NEOC. The operations of the international partners and NGOs have been streamlined within the existing emergency support function (ESFs) groupings of the NEOC in an attempt to enhance coordination.
- The EOC in Abaco was compromised during the passing of the Hurricane. The NEOC in Nassau is seeking to reestablish the EOC arrangements on Abaco to institute a coordination centre on the island. The ESFs will mirror those of the NEOC in Nassau.
- A request was made from NEMA Bahamas for CDEMA to provide support with the re-establishment of the Abaco EOC.

EVACUATION

- Evacuation of the heavily impacted areas on Abaco is ongoing. The NEOC is working to maintain a log of the evacuees – who have been evacuated and to where – and to ascertain the number of residents still on Abaco. It is estimated that a further four thousand (4000) residents are still on Abaco.

SHELTER

- Six (6) shelters have been activated in New Providence to receive evacuees from Abaco and Grand Bahama. A total of one thousand six hundred and seventy-five (1675) persons are reported to be in the shelters as of 12:00 noon today, September 9, 2019. The shelters were reported to be at full capacity.
- Some evacuees have sought shelter with family and friends on the other Bahamian family islands.

RELIEF MANAGEMENT

- Relief supply management and distribution efforts are ongoing with the support of regional and international partners. The Royal Caribbean Cruise Line is providing between ten and twenty thousand (10,000 – 20,000) hot meals on Grand Bahama daily. The NEOC reported that there has been excellent collaboration between the government and the private sector with regards to the distribution of meals.

WATER SANITATION AND HYGIENE (WASH)

- Environmental health concerns are heightened. There is a stench from dead animals and possibly dead human bodies.
- The Water and Sanitation Corporation (WSC) has advised that the water on Abaco should not to be used for either potable or domestic use. The RFA Mounts Bay is supplying potable water to the north of Abaco. Arrangements are being made to supply water to the other impacted communities.



SEARCH AND RESCUE (SAR) OPERATIONS

- The Search and Rescue Team from Canada arrived in The Bahamas on Sunday September 8, 2019. They were deployed to Abaco today, September 9, 2019 to assist the United States SAR teams, and the national SAR teams with the ongoing search and rescue/ recovery operations.
- The mortuary facilities in New Providence are overwhelmed, as a result bodies are being placed into body bags and stored in refrigerated containers as a temporary measure.
- As of noon today, Monday September 9, 2019, the confirmed fatality count was 45.

SECURITY

- The Royal Bahamas Defense Force is present on the ground in Abaco and will assist the Royal Bahamas Police Force to address any security matters that may arise.

DEBRIS CLEARANCE

- Debris clearance remains a priority, particularly the road network to increase access to the impacted areas. There is currently inadequate heavy equipment on the islands to facilitate debris clearance.

DAMAGE ASSESSMENTS

- The CDEMA Rapid Needs Assessment Teams (RNAT) have completed their preliminary assessments and the reports for the two impacted islands – Abaco and Grand Bahama - have been shared with the government of The Bahamas for their consideration.
- Further to the preliminary findings of the RNAT, the NEOC has requested support from CDEMA to provide two (2) CARICOM Disaster Assessment and Coordination (CDAC) Teams to assist with initial damage human needs assessments (IDHNA) on Grand Bahama. One team will start assessments on the west-end, the other on the east-end and they will both work their way towards the centre of Grand Bahama.
- The CDAC will be accompanied by a team of specialist in the following sectors; Agriculture, Tourism, Education, and Health to carry out detailed damage sector assessments (DDSA).

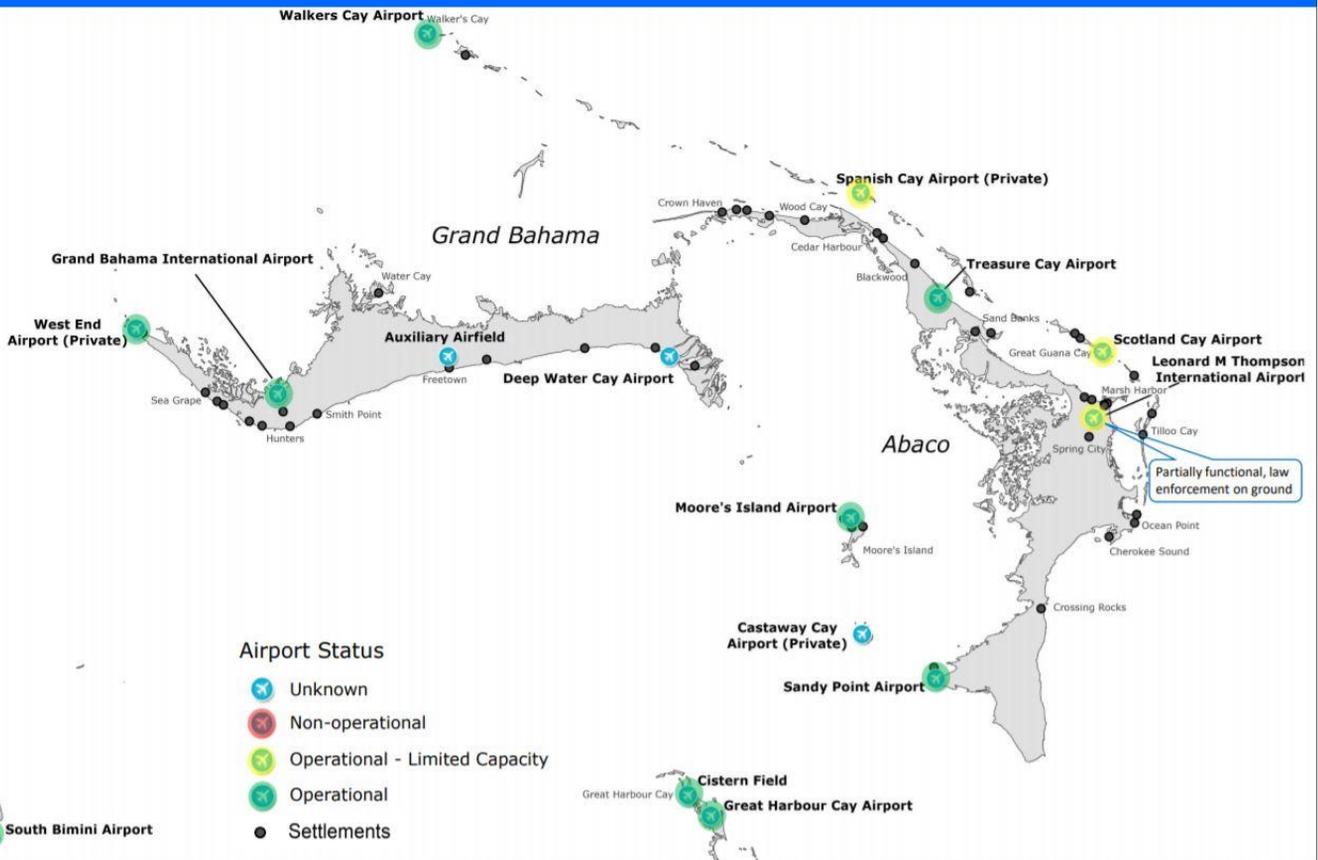
Situational Awareness

PDC Situational Awareness Products can be found by navigating to the links below:

- **The Bahamas Shelter Status**, 09SEP19 0800EDT
◦ https://www.pdc.org/wpcontent/uploads/2019/09/PDC_TC_Dorian_The_Bahamas_Shelter_Status_09SEP19_0800EDT.pdf
- **The Bahamas Health Facility Status**, 07SEP19 2000EDT
◦ https://www.pdc.org/wpcontent/uploads/2019/09/PDC_TC_Dorian_The_Bahamas_Health_Facility_Status_07SEPT19_2000EDT.pdf
- **The Bahamas Airport Status**, 09SEP19 1100EDT
◦ https://www.pdc.org/wpcontent/uploads/2019/09/PDC_TC_Dorian_The_Bahamas_Airport_Status_09SEP19_1100EDT.pdf

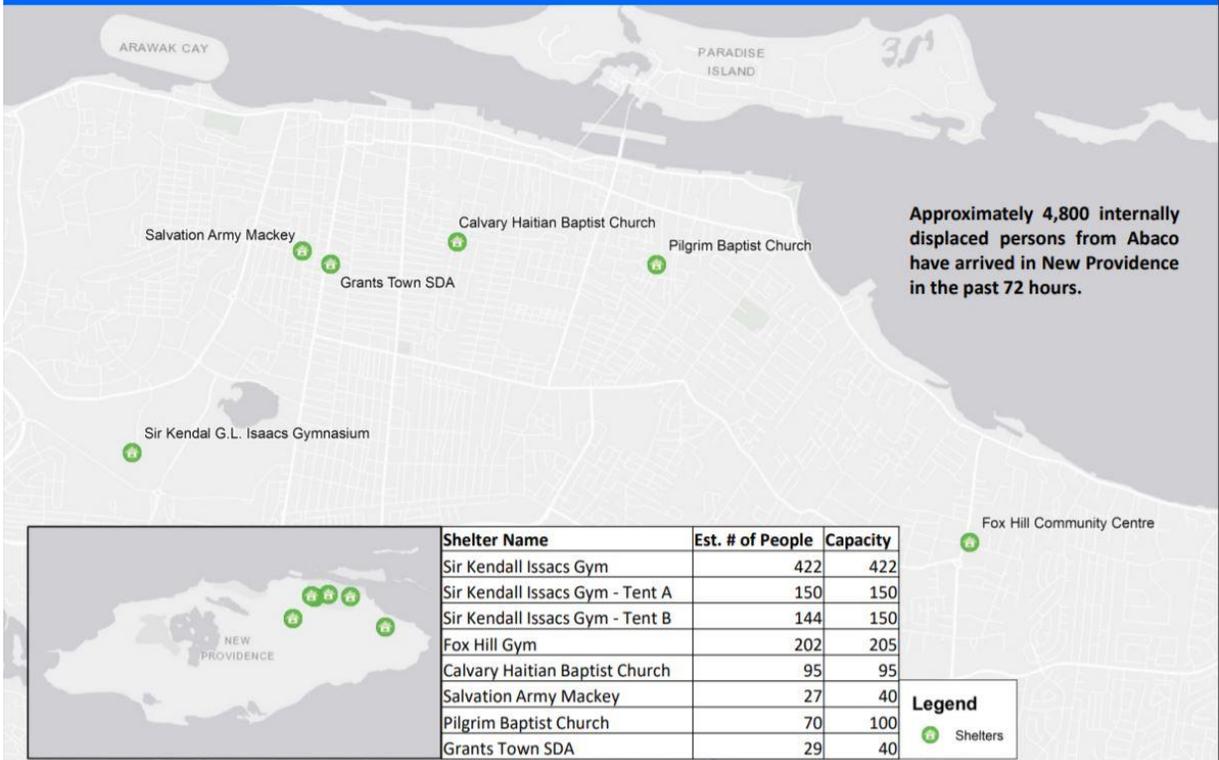
Hurricane Dorian – Airport Status

The Bahamas, Northwestern Islands (09 September 2019 1100EDT)



Hurricane Dorian – Shelter Status

The Bahamas, Nassau (09 September 2019 0800EDT)



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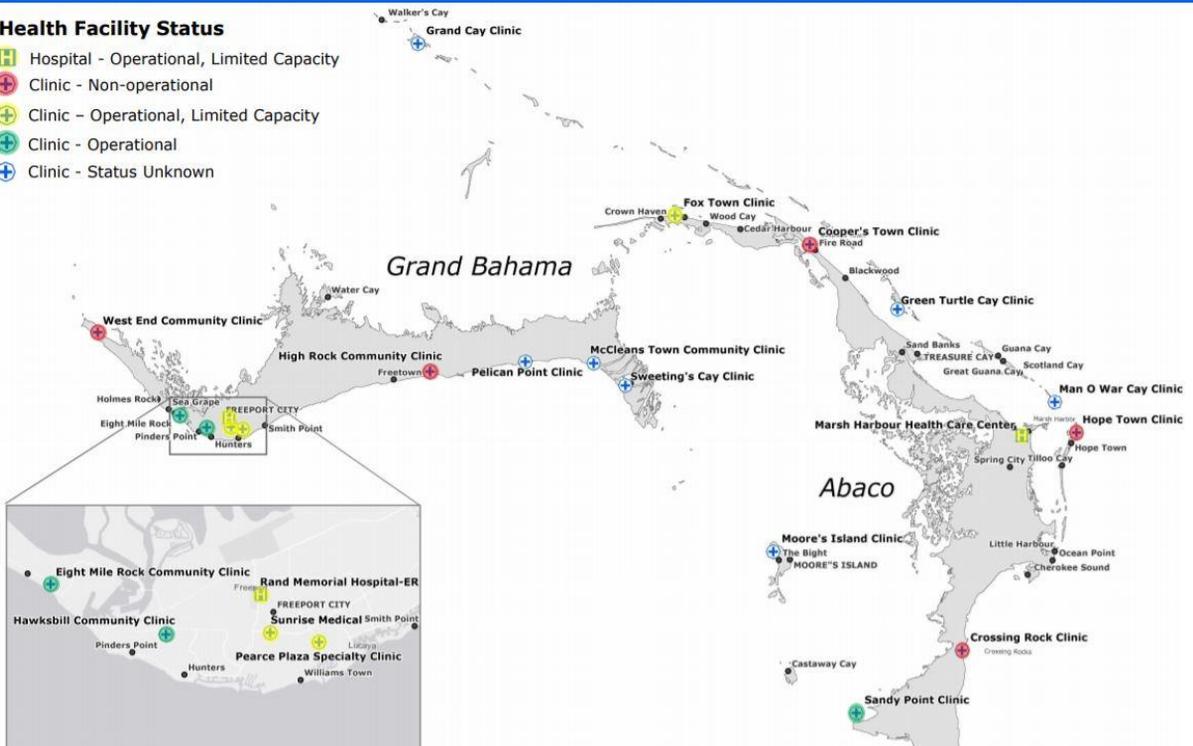
Hurricane Dorian – Health Facility Status

The Bahamas, Northwestern Islands (09 September 2019 1100EDT)



Health Facility Status

- H Hospital - Operational, Limited Capacity
- + Clinic - Non-operational
- + Clinic - Operational, Limited Capacity
- + Clinic - Operational
- + Clinic - Status Unknown



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Caribbean Disaster Emergency Management Agency (CDEMA)

Actions

- The two (2) Rapid Needs Assessment Teams (RNATs) have completed their assessments and have been extracted from the Bahamas. The RNAT reports have been forwarded to the government of The Bahamas for their consideration.
- Further to the request from the National Disaster Coordinator of The Bahamas on September 8, 2019, for additional support with assessments, preparations are ongoing to facilitate the deployment of two (2) CARICOM Disaster Assessment and Coordination (CDAC) Teams to Grand Bahama to assist with detailed initial damage and human needs assessments (IDHNA). They will be accompanied by a team of specialists in the following sectors; Agriculture, Tourism, Education, and Health to carry out detailed damage sector assessments (DDSA). This is in-keeping with phases three (3) and four (4) of the Damage Assessment and Needs Analysis (DANA) Continuum and will culminate with the Damage and Loss Assessment (DaLA) on September 28, 2019.
- Further to a meeting on September 8, 2019, with the National Disaster Coordinator (NDC) of The Bahamas, the CDEMA team, the Dutch, Canadian, United Kingdom, United States and Royal Bahamian Defense Force, a decision was taken to activate the Multi-National Caribbean Coordination Cell (MNCCC) to oversee the prioritization and tasking of military assets on the ground in The Bahamas. The priority areas for military support are as follows:
 - ✓ Search and rescue/recovery operations
 - ✓ Road and debris clearance
 - ✓ Clean up of Marsh Harbour
 - ✓ Support to relief supply and distribution on Abaco Cays
 - ✓ Support with temporary housing for impacted population
- The CDEMA deployment lead in Nassau, the National Disaster Coordinator, and representatives from the regional militaries deployed in the Bahamas, inclusive of the Royal Bahamas Defense Force, will meet to appoint a special coordinator to serve as liaison between the MNCCC and the NEOC.
- CDEMA and the UN Resident Coordinators for Barbados and Jamaica, has convened as co-chair, the fifteenth (15th) meeting of the Regional Response Mechanism Partners - Caribbean Development Partners Group - Disaster Management (CDPG DM), at 1:00 PM today, September 9, 2019.
- The CARICOM Disaster Relief Unit (CDRU) remains on STAND-BY to provide support to The Bahamas with relief management, if necessary.
- Cash contributions have been requested from all eighteen (18) CDEMA Participating States to support emergency relief in the Bahamas. The Summary of Support (pledged/provided) from CDEMA Participating States and Regional Institutions is on pages 7-8.
- To date, the CDEMA Regional Coordination Centre has prepared and disseminated five (5) Information Notes and ten (10) Situation Reports, one (1) Savingram, and one (1) Press Release on Tropical Cyclone Dorian.
- Information updates may be viewed on CDEMA's website www.cdema.org.

SUMMARY OF SUPPORT FROM CDEMA PARTICIPATING STATES AND REGIONAL INSTITUTIONS

CDEMA Participating States

Antigua and Barbuda	<ul style="list-style-type: none"> • Two (2) technical personnel for Rapid Needs Assessment Team (RNAT) - expertise in Disaster Risk Management and Port Assessment
Barbados	<ul style="list-style-type: none"> • Organised a 'Mediathon' to raise funds to provide emergency response support for the people of the Bahamas • Search and Rescue (SAR) team on stand-by
Belize	<ul style="list-style-type: none"> • Pledged US\$100,000 to assist in recovery efforts • Belize Electricity Company on stand-by to make available • personnel to assist with the restoration of electricity • Prepared to send a contingent from The Belize Defence Force to assist with security
Dominica	<ul style="list-style-type: none"> • Pledged US \$100,000 towards recovery in The Bahamas • Placed on STANDBY fifteen (15) police officers • Identified eight (8) Fire Officers to assist in the recovery process • Identified a team of six (6) from the Dominica Water and Sewage Company (DOWASCO) to assist in the immediate restoration of water supply system • Providing twenty (20) health professionals to assist in the provision of health services • Search and Rescue (SAR) team on stand-by
Grenada	<ul style="list-style-type: none"> • Pledged US \$100,000
Guyana	<ul style="list-style-type: none"> • Oil Refinery Specialist on stand-by
Jamaica	<ul style="list-style-type: none"> • Sent in 3-member advance team led by Col. Sterling who is stationed in Nassau and the other two members in Abaco • Advanced the first contingent of the 120 member JDF team • Two (2) technical personnel for Rapid Needs Assessment Team (RNAT) expertise in Coastal Zone Management and Oil Refinery Assessment
Saint Lucia	<ul style="list-style-type: none"> • Pledged US 100,000 dollars towards recovery • NEMO Saint Lucia has activated disaster relief accounts at all banks and has made an appeal to the public for donations
Suriname	<ul style="list-style-type: none"> • Pledged relief items to be shipped to The Bahamas • Oil Refinery Specialist on stand-by
Trinidad and Tobago	<ul style="list-style-type: none"> • 100 soldiers will be deployed September 8, 2019 from the Trinidad and Tobago Defence Force • The team comprise engineers, medics and regular security personnel. The team is being deployed with their own supplies • Seven (7) technical persons from T&TEC to assist in the restoration of power • Pledged US 500,000 dollars to pay for expenses such as medical supplies • Oil Refinery Specialist on stand-by
Turks and Caicos Islands	<ul style="list-style-type: none"> • Four (4) technical personnel for Rapid Needs Assessment Team (RNAT) - Disaster Risk Management, Information Management, and Port Assessment Specialist
Virgin Islands	<ul style="list-style-type: none"> • Pledged \$100, 000 to assist recovery efforts in The Bahamas • One (1) technical personnel for Rapid Needs Assessment Team (RNAT) - expertise in Disaster Risk Management

Regional Institutions	
CARICOM Implementation Agency for Crime and Security (CARICOM IMPACS)	<ul style="list-style-type: none"> • Pledged immigration support in event of displacement
Caribbean Centre for Renewable Energy and Energy Efficiency (CCREEE)	<ul style="list-style-type: none"> • Pledged support for restoration of power
Caribbean Electricity Utility Services Corporation (CARILEC)	<ul style="list-style-type: none"> • Pledged support for restoration of electricity
Caribbean Association of Fire Chiefs (CAFC)	<ul style="list-style-type: none"> • Search and Rescue Teams
Caribbean Public Health Agency (CARPHA)	<ul style="list-style-type: none"> • Provided 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
Caribbean Disaster Emergency Management Agency (CDEMA)	<ul style="list-style-type: none"> • Two (2) technical personnel for Rapid Needs Assessment Team (RNAT) - expertise in Disaster Risk Management (Lead) and Logistics • Personnel to support early recovery planning and EOC management
Caribbean Development Bank (CDB)	<ul style="list-style-type: none"> • Disbursed USD\$200,000 Emergency Response Grant to NEMA, The Bahamas
Caribbean Institute of Meteorology and Hydrology (CIMH)	<ul style="list-style-type: none"> • Provided initial special weather interpretation of the current and forecasted tropical weather affecting the Caribbean Region for CDEMA's operation planning
Regional Security System (RSS)	<ul style="list-style-type: none"> • Placed the CDRU on alert • Pledged support to conduct reconnaissance and damage assessment missions, if necessary • RSS Security Chiefs advised to place a 15-man squad on alert for possible deployment
University of the West Indies (UWI)	<ul style="list-style-type: none"> • Psycho-social support and technical support in early recovery



CARICOM

- Offering support with the identification of persons in impacted islands

DFID UK

- Deployed a surge team to assist inter-agency coordination.

ECHO

- Activated the European Civil Protection Mechanism and Emergency Mapping Services

Global Affairs Canada

- Canadian Disaster Assessment Team (CDAT) deployed to Nassau to assess any further response from Canada
- Supported mapping, GIS services, disaster and needs assessments and EOC operations

IFRC

- Providing continuous coordination with CDEMA and NEMA; 2 Bahamas Red Cross volunteers joined RNAT in Abaco and Grand Bahama
- IFRC team to set up base camp and warehouse in Abaco to set up and will conduct needs assessment and distribution

PAHO

- Coordinating meetings of the Ministry of Health (MoH) and Public Health Authority with the Dutch Army.
- Collaboration with MoH to disseminate key messages on vector and water borne diseases

UNOCHA

- Sent a team to support CDEMA and NEMA in information management, coordination, advocacy and humanitarian financing; supporting a small UNDAC team

UNDP

- Deployed recovery advisor to support preliminary damage/ needs assessment on Abaco.
- Facilitating the revision of building codes with The Government of the Bahamas

UNRCO - Jamaica

Proposed support to the Government of the Bahamas as co-chairs to the Emergency Support Functions:

- Transportation – Ministry of Public Works, WFP
- Communication - Ministry of Public Works, WFP
- Relief supplies - NEMA, IOM, WFP
- Health Care: - Ministry of Health, PAHO
- USAR – Royal Bahamas Defence Force
- Food - NEMA, WFP
- Civil Military Coordination - Royal Bahamas Defence Force, UN OCHA
- WASH - Water and Sewage Corporation of Bahamas, PAHO, UNICEF
- Child Protection and GBV - UNICEF, UNFPA
- Education - Ministry of Education Bahamas, UNICEF
- Livelihood - UNDP, UNFPA

WFP

- Providing assessment and vulnerability experts on markets and food security

WHO

- Deployed assessment experts – agriculture, forestry, and fisheries.

FINANCING

ECHO

- Pledged **€500,000** from the Acute Large Emergency Response Tool (ALERT) to respond to the first needs caused by the Hurricane Dorian in the Bahamas. The priority sectors to be covered by the funding are: shelter and household items, water, sanitation and hygiene (WASH), livelihoods and basic needs.

Global Affairs Canada

- Pledged CAD\$500,000 in emergency assistance to support humanitarian organisations. Canada's contribution will support the efforts of humanitarian partners to respond quickly to needs once assessments are completed

SWISS Government

- Allocated 500,000 Swiss Francs to IFRC and 200,000 to WFP

UK DFID

Support for deployment of CDEMA Response Teams of up to £250,000

UNDP

- Secured USD\$200,000 for coordination of recovery efforts

UNOCHA

- UN Central Emergency Response Fund will provide an immediate US\$ 1 million for urgent life saving activities

USAID/OFDA

- Pledged US\$2.8 million towards recovery efforts



FOOD SECURITY

CARPHA

- Providing post flooding food safety guidance

Hands for Hunger (national NGO)

- Offered to assist with distribution of food

UK DFID

- Distributed food rations in coordination with the Royal Bahamas Defense Force

USAID/OFDA

- Partnered with The Bahamas Red Cross Society (BRCS) to distribute relief commodities across Abaco on September 7.
- With support from Food for Peace (FFP) and the UN World Food Program (WFP) procured and transported approximately 14,000 individual ready-to-eat meals from Miami, Florida, to The Bahamas on September 6, 2019 and began distribution in Abaco on September 8, 2019.

WFP

- Distributed meals ready to eat in the most affected areas;
- Deployed experts in relief distribution



AGRICULTURE

FAO

- Currently undertaking assessments in forestry and fisheries sectors



LOGISTICS

Global Affairs Canada

- Transport of Jamaica Defense Force into The Bahamas
- Provided one airport specialist for rapid needs assessment

PAHO

- Assisted in the set up of the Logistics Support System (LSS)

Rescue Global

- Provided helicopters and military liaison embed with Engineers and RFA Mounts Bay

WFP

- Mobilised office and storage equipment, logistics experts and common services and assets support; coordinating items stored at the UNHRD in Panama



SHELTER & NFI

IFRC

- Deployed team to assist with sheltering.
- Aid for 400 families were shipped to Abaco
- Conducted assessment of shelter conditions in New Providence
- Distributed 1,200 Shelter toolkits (1 per family) - 1,200 households; 4,100 blankets (4 per family) - 1,025 households, 500 kitchen sets (1 per family) to 500 households; 800 tarpaulins (2 per family) - 400 households all in New Providence Bahamas Red Cross Warehouse.

IOM

- Mobilising and distributing non-food items (NFIs) including 1000 tarpaulins, solar lights, jerry-cans, hygiene kits etc; developing a strategy and coordinating housing repairs; assessing the needs of displaced persons and identifying shelter solutions; deployed and emergency coordinator

Mercy Corps

- Distribution of solar lanterns with USB chargers for phones

UNFPA

- Supporting the RNAT and PDNA in health and shelter assessments

PROTECTION

CARICOM IMPACS

- Providing immigration support in event of displacement

UNDP

- Providing a gender and recovery personnel

UNFPA

- A team of 3 personnel arrived in Nassau on Sunday September 8, 2019 to conduct an assessment in Grand Bahama Island, Abaco Island and New Providence Island to inform actions required under the GBV area of responsibility and under ESF8, i.e. Sexual and Reproductive Health. Long-term GBV and SRH deployment on stand-by.

UNICEF

- Providing 200 emergency recreation kits

TELECOMMUNICATIONS & IT

MAPACTION

- Working in information management, maps and visualizations

Telecoms Sans Frontieres

- Providing BGANS for coordination and humanitarian workers and providing humanitarian free calling operations

WFP

- Providing 5 VSATs to support EOC in Abaco, Grand Bahama and other locations as well as emergency telecoms experts

EARLY RECOVERY & INFRASTRUCTURE

IFRC

- Performed assessments on Abaco Island and Grand Bahama (Health, WASH, Shelter, Restoring Family Links)

UK DFID

- Provided support for opening up of infrastructure.

UNDP

- Deployed a team of five (5) persons to participate in the recovery efforts
- Has several experts on standby in PDNA, recovery planning, early recovery, as well as debris and waste management
- Household and building damage assessment online tool (HBDA) adjusted for rapid assessments; supporting the Ministry of Public Works with automation of their damage assessment tool.



HEALTH

CARPHA

- Supporting RNAT with health and environmental health; public health and shelter surveillance; post disaster vector control assessment and laboratory surveillance support

PAHO/WHO

- Working in health sector infrastructure and public health
- Surveillance team is coordinating action plan for disease prevention with MoH

Rescue Global

- Providing health and other needs assessments of clinics; movement of aid/ medicine/ medical personnel in and medivacs out;

Samaritans Purse

- Has deployed an EMT Type 2 field hospital to Grand Bahama

Team Rubicon USA

- Has an EMT Type 1 mobile hospital in Abaco

IFRC

- Red Cross is providing PSS in coordination with Bahamas Psychological Association.



WASH

UK DFID

- The Royal Fleet Auxiliary (RFA) Mounts Bay is supporting operations in north Abaco. The vessel is currently supplying potable water to this area.
- Has landed 104 hygiene kits and bottles of water in Marsh Harbour

Kingdom of the Netherlands

- The Dutch marine vessel will arrive on Wednesday September 11, 2019. The vessel has the capacity to produce one hundred and fifty thousand (150,000) liters of potable water daily

IFRC

- Distributed 1,800 jerrycans (2 per family) - 900 households; 1,800 jerrycans (2 per family) - 900 households; 900 hygiene kits (1 per family) - 900 households in New Providence Bahamas Red Cross Warehouse

ISRAID

- Deploying personnel for WASH infrastructure, water treatment and distribution

Mercy Corps

- Distribution of collapsible jerry-cans, chlorine tablets, water and hygiene kits

PAHO

- Provided personnel to support assessments

Samaritans Purse

- Providing 2 reverse osmosis units and distribute collapsible jerry-cans

UNFPA

- Has 1250 hygiene kits prepositioned in Barbados and Antigua

UNICEF

- Distributing water containers, chlorine/ph pool tester kits, water purification tabs and 500L water tanks.

Please see links below to access previous Situation Reports Issued on Hurricane Dorian – The Bahamas

SITREP #8

https://www.cdema.org/CDEMA_Situation_Report_8_-_Hurricane_Dorian_Sept_7_2019.pdf

SITREP #7

https://www.cdema.org/CDEMA_Situation_Report_7_-_Hurricane_Dorian_Sept_6_2019_FINAL2.pdf

SITREP #6

https://www.cdema.org/CDEMA_Situation_Report_6_-_Hurricane_Dorian_Sept_5_2019_FINAL.pdf

SITREP #5

https://www.cdema.org/CDEMA_Situation_Report_5_-_Hurricane_Dorian_Sept_3_2019_FINAL.pdf

SITREP #4

https://www.cdema.org/CDEMA_Situation_Report_4_-_Hurricane_Dorian_Sept_2_2019.pdf