

### SITUATION

Major Hurricane Dorian, the 1<sup>st</sup> 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



**EST. EXPOSED  
POPULATION**

**76,268**



**CONFIRMED  
FATALITIES**

**43**



**EST. # OF PERSONS  
WITH NEEDS**

**15,000**



# UPDATE FROM THE NEOC as at 2:00 PM September 8, 2019

The National Emergency Operations Centre (NEOC) of The Bahamas has identified the following priority areas:

## **EVACUATION**

Evacuation of the heavily impacted areas on Abaco are ongoing. From Friday September 6, to Sunday September 8, 2019, approximately five thousand (5000) persons have been evacuated from Abaco, primarily the Marsh Harbour area. 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**

Four (4) shelters have been activated in Nassau to receive evacuees from Abaco. Some evacuees are also seeking 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.

## **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. Arrangements are being made for supply of water to meet the local needs.

## **SEARCH AND RESCUE (SAR) OPERATIONS**

Search and rescue/recovery operations are ongoing with support from the United States SAR Teams. Operations are principally focused on the Abaco Cays and on the main island of Abaco.

## **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 is a priority, particularly roads to increase the 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 islands have been shared with the government 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 detailed assessments 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.

National teams have already commenced detailed damage assessments of government buildings.

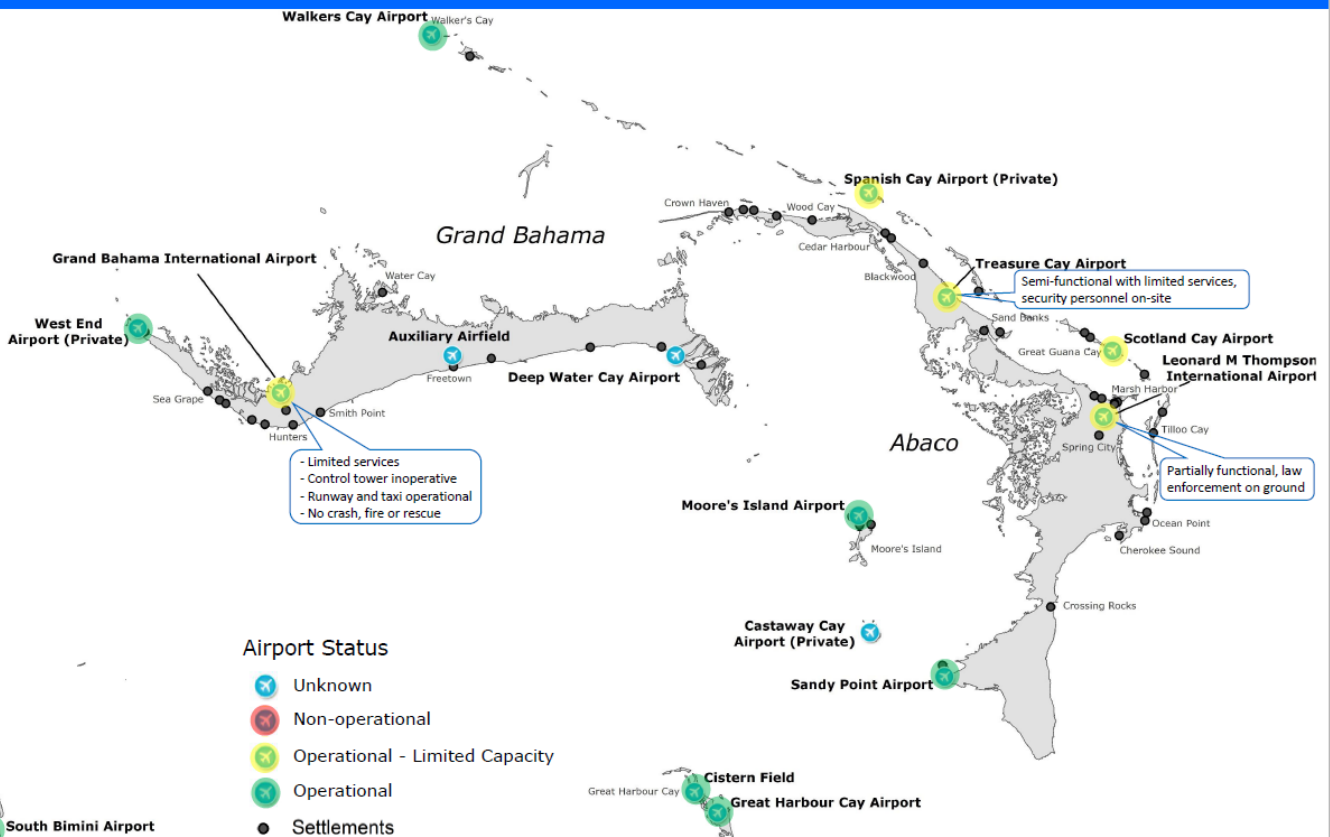
# Situational Awareness

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

- **The Bahamas Seaport Status**, 07SEP19 1700EDT  
[https://www.pdc.org/wpcontent/uploads/2019/09/PDC\\_TC\\_Dorian\\_The\\_Bahamas\\_Seaport\\_Status\\_07SEP19\\_1700EDT.pdf](https://www.pdc.org/wpcontent/uploads/2019/09/PDC_TC_Dorian_The_Bahamas_Seaport_Status_07SEP19_1700EDT.pdf)
- **The Bahamas Freshwater Status**, 07SEP19 2000EDT  
[https://www.pdc.org/wpcontent/uploads/2019/09/PDC\\_TC\\_Dorian\\_The\\_Bahamas\\_Freshwater\\_Status\\_07SEP19\\_2000EDT.pdf](https://www.pdc.org/wpcontent/uploads/2019/09/PDC_TC_Dorian_The_Bahamas_Freshwater_Status_07SEP19_2000EDT.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](https://www.pdc.org/wpcontent/uploads/2019/09/PDC_TC_Dorian_The_Bahamas_Health_Facility_Status_07SEPT19_2000EDT.pdf)
- **The Bahamas Power Status**, 07SEP19 2000EDT  
[https://www.pdc.org/wpcontent/uploads/2019/09/PDC\\_TC\\_Dorian\\_The\\_Bahamas\\_Power\\_Status\\_07SEPT19\\_2000EDT.pdf](https://www.pdc.org/wpcontent/uploads/2019/09/PDC_TC_Dorian_The_Bahamas_Power_Status_07SEPT19_2000EDT.pdf)
- **The Bahamas Airport Status**, 07SEP19 2000EDT  
[https://www.pdc.org/wpcontent/uploads/2019/09/PDC\\_TC\\_Dorian\\_The\\_Bahamas\\_Airport\\_Status\\_07SEP19\\_2000EDT.pdf](https://www.pdc.org/wpcontent/uploads/2019/09/PDC_TC_Dorian_The_Bahamas_Airport_Status_07SEP19_2000EDT.pdf)

## Hurricane Dorian – Airport Status

The Bahamas, Northwestern Islands (07 September 2019 2000EDT)



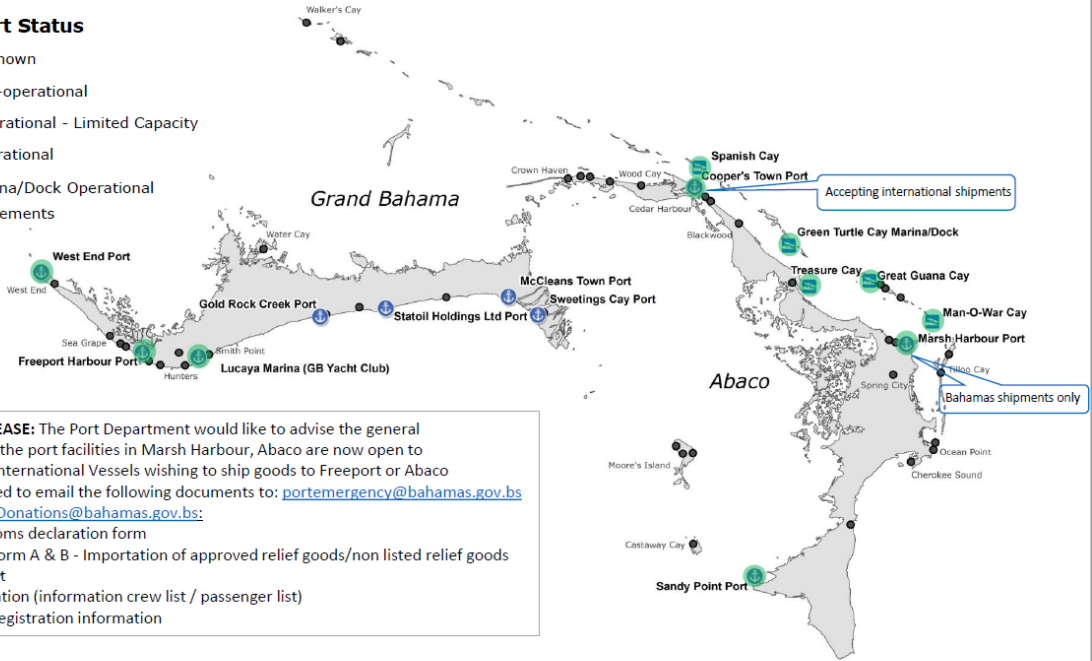
# Hurricane Dorian – Seaport Status

The Bahamas, Northwestern Islands (07 September 2019 1700EDT)



## Seaport Status

- Unknown
- Non-operational
- Operational - Limited Capacity
- Operational
- Marina/Dock Operational
- Settlements

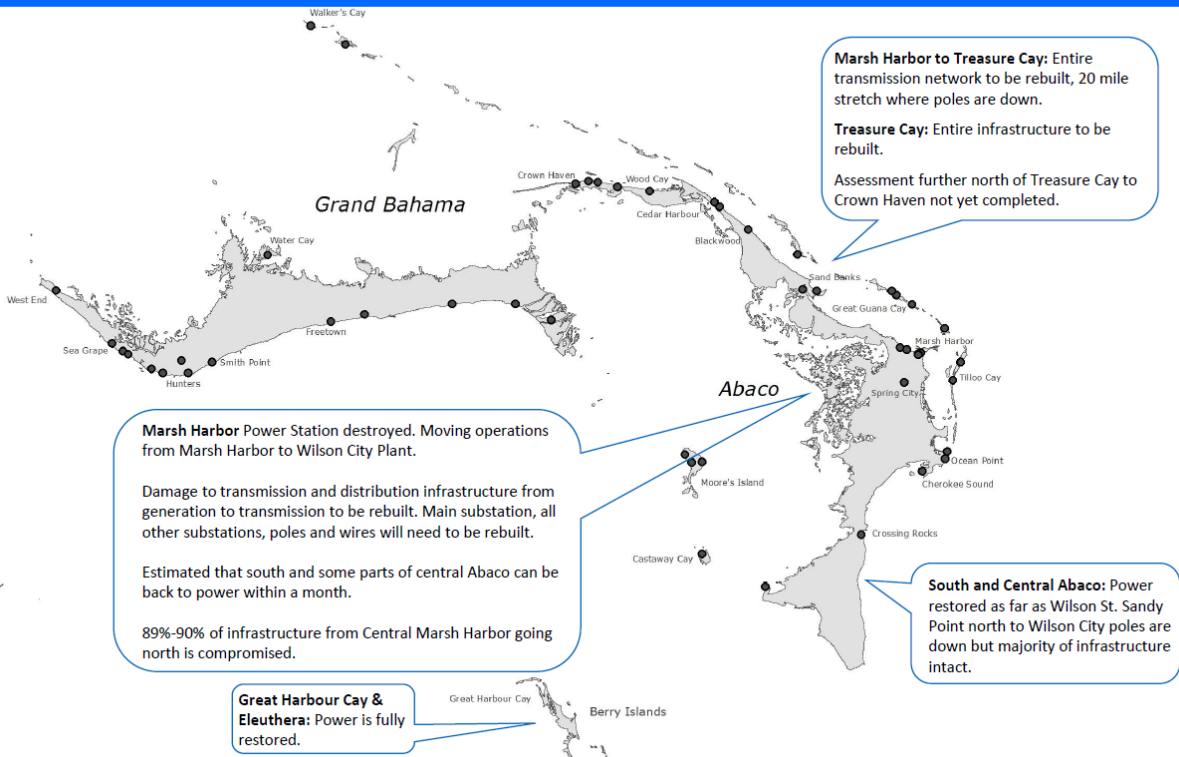


**PRESS RELEASE:** The Port Department would like to advise the general public that the port facilities in Marsh Harbour, Abaco are now open to Mariners. International Vessels wishing to ship goods to Freeport or Abaco are expected to email the following documents to: [portemergency@bahamas.gov.bs](mailto:portemergency@bahamas.gov.bs) and [NEMADonations@bahamas.gov.bs](mailto:NEMADonations@bahamas.gov.bs):

- C2 customs declaration form
- NEMA form A & B - Importation of approved relief goods/non listed relief goods
- Manifest
- Immigration (information crew list / passenger list)
- Vessel registration information

# Hurricane Dorian – BPL Power and Utility Status

The Bahamas, Northwestern Islands (07 September 2019 2000EDT)



# Hurricane Dorian – Freshwater Status

The Bahamas, Northwestern Islands (07 September 2019 2000EDT)



## Legend

- ▲ Water Tank
- ★ Water Well
- Settlements

**Grand Cay:** Water tower destroyed, water bladder torn, RevOsm appears operational as does generator - needs new battery.

**Green Turtle Cay:** Minimal damage, limited water in tank.

**Treasure Cay:** 500,000 US gallon storage tank was blown away although pump station intact. Sewer lift station and all facilities were also all blown away. Full assessment pending.

**Spring City:** Flooded  
**Marsh Harbour:** Electrical repairs underway, well fields flooded, one (of 2) storage tanks compromised and at 25% capacity

**Blackwood & Cedar Harbour:** Not yet assessed.

**Casaurina:** Operational, but not in use.

**Cherokee Sound:** Not assessed

**Sandy Point:** Pumping station operational on generator. No evidence of flood impacts.

**Crossing Rocks:** Pumping station operational on generator. No evidence of flood impacts.

**Bimini and Berry Islands:** Operational, minimal impact.

### Grand Bahama

**Settlers Way Pump Station:** Electrical distribution pumps not operational but intend to run diesel pump to supply customers after sufficient water is in storage  
**Lucaya Pump Station:** Two tanks in good condition with 3 million gallons of storage available. Electrical repairs underway on diesel distribution pump, well fields, pump sites and generator.  
**Hawksbill Station:** All infrastructure appears intact but full assessment needed.  
**Other Eastern Stations/ Wellfields:** Assessment needed. Urgent Assistance and advice needed to put mitigating measures in place to deal with the salt water intrusion to well fields.

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# Hurricane Dorian – Health Facility Status

The Bahamas, Northwestern Islands (07 September 2019 2000EDT)

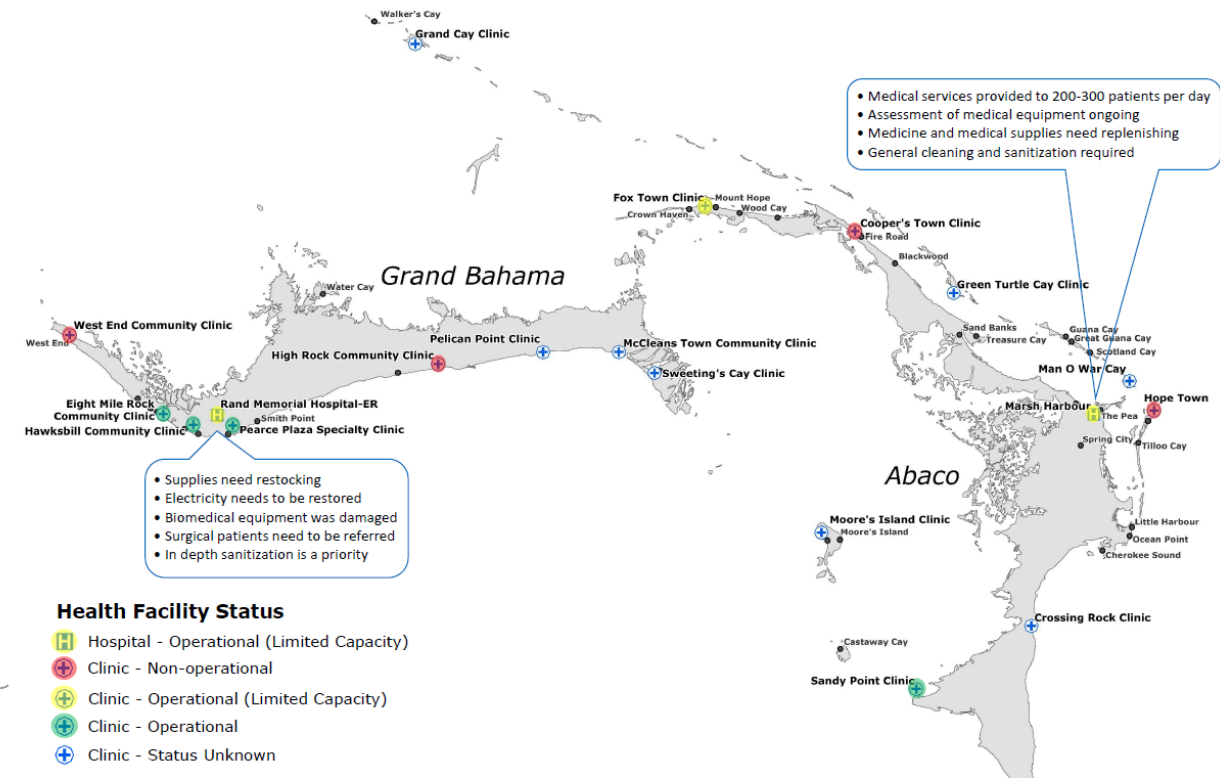


- Medical services provided to 200-300 patients per day
- Assessment of medical equipment ongoing
- Medicine and medical supplies need replenishing
- General cleaning and sanitization required

- Supplies need restocking
- Electricity needs to be restored
- Biomedical equipment was damaged
- Surgical patients need to be referred
- In depth sanitization is a priority

## Health Facility Status

- Ⓜ 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**

- Deployed personnel from CDEMA arrived in Nassau yesterday, September 7, 2019. The team will provide technical support to the NEOC in Nassau and facilitate discussions on early recovery planning.
- CDEMA along with CARICOM IMPACS facilitated a coordination meeting of the regional Chiefs of Defense Staff to discuss deployment of regional militaries in support of the response operations in The Bahamas on September 7, 2019.
- Further to a meeting today 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
- Further to a request from the National Disaster Coordinator NEMA, The Bahamas, two (2) CARICOM Disaster Assessment and Coordination (CDAC) Teams have been activated today Sunday September 8, 2019.
- Prepared and disseminated thirteen (13) daily Information Notes and Situation Reports on Dorian, one (1) Savingram and one (1) Press Release. Information updates may be viewed on CDEMA's website [www.cdema.org](http://www.cdema.org).
- Convened as co-chair - CDEMA and the UN Resident Coordinators for Barbados and Jamaica – fourteen (14) meetings of the Regional Response Mechanism Partners - Caribbean Development Partners Group - Disaster Management (CDPG DM).
- The CARICOM Disaster Relief Unit (CDRU) remains on STAND-BY.
- Requested cash contributions 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.

**SUMMARY OF SUPPORT FROM CDEMA PARTICIPATING STATES AND REGIONAL INSTITUTIONS**

**CDEMA Participating States**

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

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



## COORDINATION

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### **CARICOM**

- Supporting 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 (DART) deployed to Nassau to assess any further response from Canada
- Provided 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

### **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

### **WFP**

- Providing assessment and vulnerability experts on markets and food security

## FINANCING

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### **Global Affairs Canada**

- Pledged CAD\$500,000 in emergency assistance to support experienced 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

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### WFP

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

### UK DFID

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

### Hands for Hunger (national NGO)

- Offered to assist with distribution of food

### CARPHA

- Providing post flooding food safety guidance



## AGRICULTURE

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### FAO

- Currently undertaking assessments in forestry and fisheries sectors



## LOGISTICS

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### 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 aviation (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



## PROTECTION

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### CARICOM IMPACS

- Providing immigration support in event of displacement

### UNDP

- Providing a gender and recovery personnel

### UNFPA

- Providing a surge specialist in sexual and reproductive health, GBV prevention and response in emergencies

### UNICEF

- Providing 200 emergency recreation kits

## SHELTER

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- IFRC**
- Deployed team to assist with sheltering
- IOM**
- Mobilising and distributing non food items 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

## TELECOMMUNICATIONS & IT

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- 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

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- UK DFID**
- Provided support for opening up of infrastructure.
- UNDP**
- Deployed a team of five (5) to participate in the recovery efforts
  - Has several experts on standby in PDNA, recovery planning, early recovery, and 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.



## **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



## **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**

- Prepositioned stocks across the region

## **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 #7

[https://www.cdema.org/CDEMA\\_Situation\\_Report\\_7\\_-\\_Hurricane\\_Dorian\\_Sept\\_6\\_2019\\_FINAL2.pdf](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](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](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](https://www.cdema.org/CDEMA_Situation_Report_4_-_Hurricane_Dorian_Sept_2_2019.pdf)