

# HURRICANE MARIA

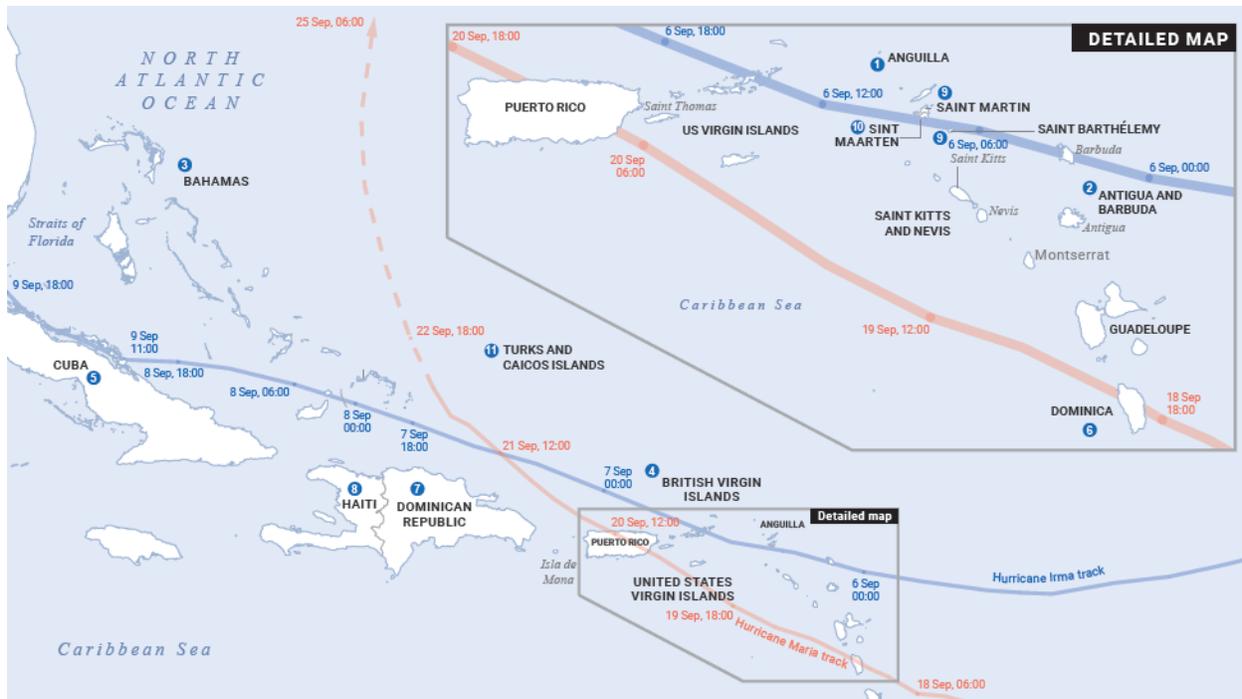
## SITUATION REPORT #6

AS OF 9:00PM AST ON SEPTEMBER 20, 2017

### SYNOPSIS OF HURRICANE MARIA

Maria, the 13th named hurricane of the 2017 Atlantic Hurricane Season, became a category 5 hurricane near the Leeward Islands on Monday September 18<sup>th</sup>, 2017. Hurricane Maria impacted Dominica at approximately 9:35pm on September 18<sup>th</sup> as an extremely strong hurricane with wind speeds of 155 mph. Maria then impacted Antigua and Barbuda, Montserrat and St. Kitts and Nevis on September 19<sup>th</sup>, 2017 and the Virgin Islands September 19 – 20, 2017.

### MAP OF IRMA AND MARIA OVER CARIBBEAN SEA

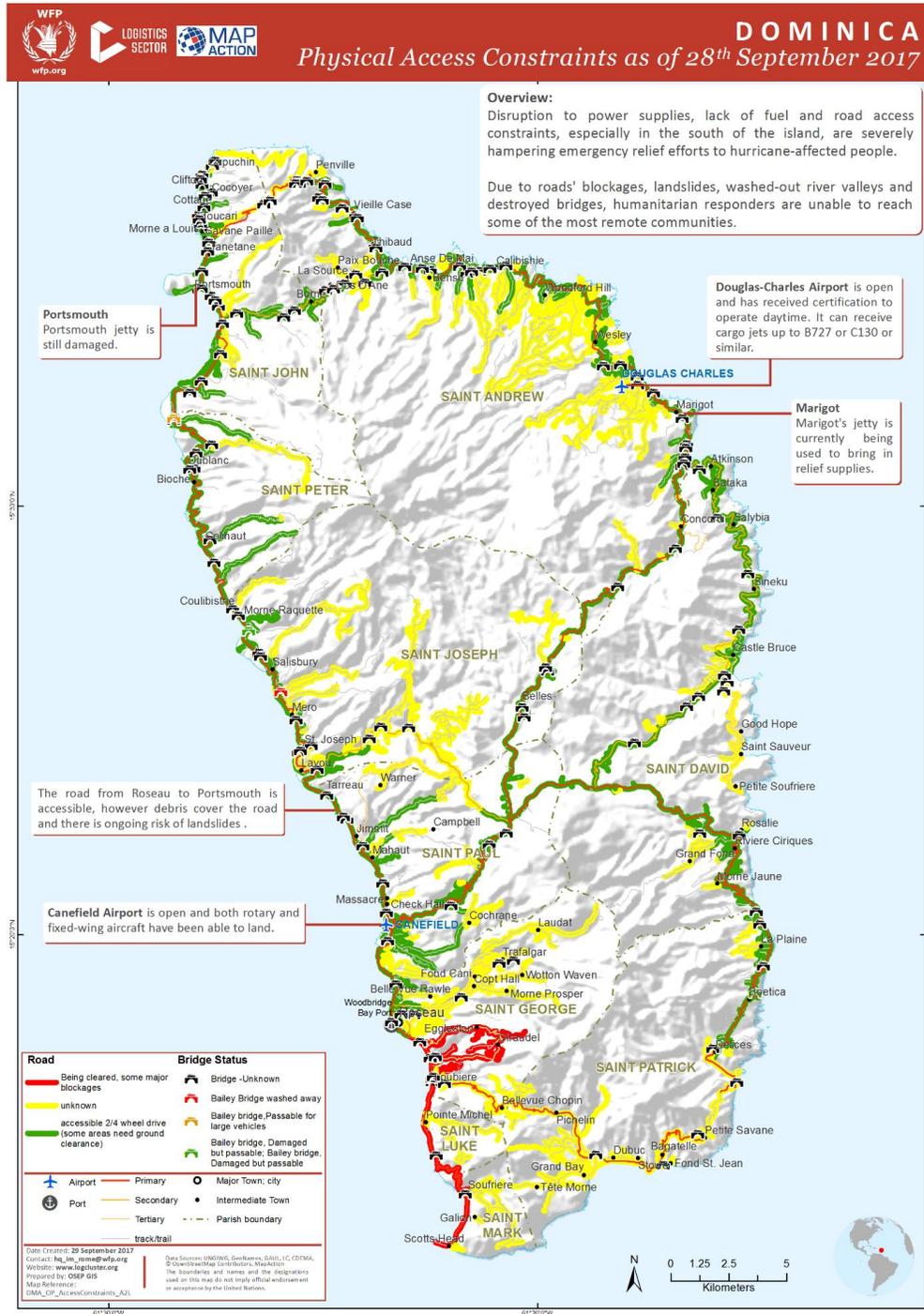


Source: UN OCHA, September 2017



# DOMINICA

## Latest Dominica Access Constraints Map that produced by WFP in coordination with MapAction



## REGIONAL RESPONSE ACTIONS

### CDEMA Coordinating Unit

- CDEMA currently in Phase 3 of response – post disaster/emergency
- In collaboration with regional and international partners, deployed over 360 response personnel to provide support in the areas of search and rescue, damage assessment and needs analysis, emergency response coordination and assistance in relief operations (SAR, RNATs, CDAC, CDRU, Artisans)
- Continue to coordinate response with partners to coordinate relief distribution, water, debris clearing, WASH, shelter and shelteree concerns
- Partner countries have been assigned to sectors to facilitate aid getting to isolated environments. There has been increased coordination between national and international stakeholders
- RNATs completed assessments
- CDRU contingent will remain until October 5<sup>th</sup> 2017 to assist with relief distribution and provide support to safety and security with military and police
- CDEMA launched an online donation facility (September 15, 2017). Persons can make online donations (using credit cards) to the Hurricane Irma Relief campaign (visit [www.cdema.org](http://www.cdema.org)). Instructions are also available for those seeking to make donations via wire transfer
- RRM remains activated to provide support to the impacted countries. However gradual extraction of deployed teams will be instituted as per the Regional Coordination Plan (RCP) Standard Operating Procedures (SOPs)
- Continue to convene meetings of the RRM partners to provide and receive updates on the relief efforts to the impacted countries

### Government of Grenada

- Commissioned charter flights to transport relief supplies to Dominica which arrived at the Douglas Charles Airport at approximately 4:30pm Friday September 29, 2017 (5300 lbs consisting of callaloo, bananas, coconut and breadfruit, 40 trays of eggs, 200 loaves of bread and 85 boxes of medical supplies, 445 cases of water, 12 barrels of food, 11 cases of cornflakes, 70 boxes of food stuff, 10 boxes of toiletries, 2 barrels of clothing, 8 boxes of linens, 228 hygiene kits (consisting of a lid, a box, 2 bars of soap, 2 adult toothbrushes, 2 children's toothbrushes, two tubes of toothpaste, 240 sachets of water purifier)

### LIAT

- Continues to provide support with the transportation of emergency relief supplies and personnel to the impacted countries

### Tropical Shipping

- Facilitated the transportation of relief supplies into Dominica

### CARILEC

- Update as at September 25, 2017. Domlec's electricity network sustained severe and extensive damages, generation is about 55% intact and the assessment is ongoing assisted by EMERA group.
- Restoration efforts focused on restoring the hospital, establishing security/safety and accommodation with water for sanitation, and the food and water supply chain.
- Requested manpower assistance and 11 line men initially

## INTERNATIONAL INSTITUTIONS UPDATES

### DFID/UK AID

- Pledged 16 tonnes of lumber, and 2 UNICEF water bladders to the Government of Dominica

### Global Affairs Canada (GAC)

- HMCS St. John's (STJ) remained in the vicinity of the port of Roseau on Friday, in order to embark additional food, water and aid supplies that the ship was unable to embark Thursday due to the heavy rainfall.
- STJ personnel were able to source bottled water and Blackhorse conducted 16 lifts of palletized water in bottles, weighing approximately 22,000 lbs in total.
- Intent for Saturday (September 30<sup>th</sup>) is to reposition in vicinity of Marigot and distribute the 19 pallets of embarked food and water to the NE quadrant prior to departing the area
- STJ will depart the area on Saturday around 18:00 and conduct a port visit to Bridgetown, Barbados 01-03 October 2017 before returning to Halifax.

### IFRC

#### DOMINICA:

- 26 September
  - Cash transfer programming (CTP) assessment in Roseau. Key informant issues with select financial institutions and stores. Published to assessment tracking matrix for the country.
- 29 September
  - Platform for visualizing and sharing data from ongoing financial institutions and markets survey published at: <https://americanredcross.github.io/dominica-market-survey/>
  - Warehouse with 400 sq meters of space secured in Roseau and receiving items.

### Government of the Netherlands

- HNLMS Pelikaan arrived with food and water. Small boats of ZLND distributed water to Scott's Head (1.800L), Soufriere (900L), Layou (1.800L), St. Joseph (1.800L) and Mero (1.800L)
- ZLND helicopter successfully executed a MEDEVAC from Grandbay to St. Margaret's Hospital
- ZLND helicopter provided food (can and dry: 4.000kg) and water (3.000L) to Grandbay
- NH90 executed search for Dutch missing persons in Belles region, all safe and sound
- ZLND will be in port tomorrow, Saturday, September 30 from 0800-1230.
- In the last 6 days HNLMS Zeeland and HNLMS Pelikaan concentrated on providing relief to the isolated areas of Dominica. The provided aid comprises of (provided/distributed/executed):
  - 60.000 L water
  - 30.000 kg food
  - 46 medical evacuations
  - restoring 6 generators at St. Margaret's Hospital
  - providing medical assistance 1 doctor and 1 nurse to hospital
- The areas covered are the whole west coast from Layou up to Bense by small boats and NH90 helicopter
- During time in Roseau port ZLND is continuous able to provide 25.000 L of water upfront and 2.000 L/hr

- HNLMS Pelikaan already made two deliveries of 1500 MT of Dutch relief items (ie. food, water and transportation vehicles) and other NGO's.
- HNLMS Zeeland hosted transport by small boat and NH90 helicopter to WFP, PAHO/WHO to assist in medical assessments

#### USAID/OFDA

- DART staff coordinating with the GoCD and relief organizations to meet the urgent needs of hurricane-affected populations on Dominica. The DART is focusing on several priorities, including food assistance, shelter support, and water, sanitation and hygiene (WASH) interventions, as well as humanitarian coordination and logistics.

##### **Food Security**

- On September 29, the UN World Food Program (WFP) reports having delivered 10 metric tons (MT) of high-energy biscuits (HEBs) to Dominica from its pre-positioned stocks in Antigua; WFP plans to contribute additional HEBs toward the response. Since September 25, in accordance with a GoCD distribution plan, WFP has been delivering the HEBs, along with water and other relief items, to communities in need via helicopter and boat. Overall, WFP plans to provide food assistance to approximately 25,000 people on Dominica for three months.

##### **Humanitarian Coordination and Logistics**

- On September 27, with DoD support, USAID/OFDA provided emergency relief items to village councils in the southern Dominican communities of Grand Bay and Bagatelle, with populations of approximately 3,000 and 300, respectively.
- The USAID/OFDA assistance—delivered in coordination with the Dominica Red Cross Society (DRCS) and the International Federation of Red Cross and Red Crescent Societies—included blankets, hygiene kits, kitchen sets, and water containers.
- The DART is maintaining close contact with the GoCD, the Caribbean Disaster Emergency Management Agency (CDEMA), UN agencies, relief organizations, other donors, and other humanitarian stakeholders on the island to ensure a coordinated response. The DART has also stationed several staff in Barbados, where CDEMA has established a coordination cell.

##### **Shelter**

- On September 26 and 27, USAID/OFDA transported a combined 400 rolls of plastic sheeting from USAID/OFDA stockpiles in Miami, Florida, to Dominica. The plastic sheeting is expected to allow up to 20,000 hurricane-affected people to commence shelter repairs.

##### **WASH**

- On September 27, the Dominica Water and Sewerage Company Limited (DOWASCO) repaired a local water system in the capital of Roseau and disinfected the water treatment plant, restoring piped water services to the city's main hospital, according to the DART. DOWASCO continues to work towards the restoration of water services in all neighborhoods in Roseau.
- The DART's WASH technical advisor and other humanitarian actors continue working to increase access to safe drinking water for residents of Dominica. Through \$200,000 in funding to Samaritan's Purse, USAID/OFDA aims to support more than 14,300 people with WASH assistance. Samaritan's Purse plans to procure and install four water filtration and chlorination units at six to eight springs to improve the availability of safe water for drinking and cooking. The organization will also distribute 20-liter water containers and conduct hygiene promotion sessions for beneficiaries.
- Provided relief supplies in the St Andrews parish - Calibishie (village council office): 100 plastic sheets, 100 hygiene kits Woodford Hill (village council office): 130 plastic sheets, 100 hygiene kits Margiot (misc. host families in Hamlit near airport): 10 plastic sheets and 10 hygiene kits Wesley: 30 plastic sheets. In the St David parish - Atkinson: 434 plastics sheeting, 100 hygiene kits Special Police Unit Dominica (ASP Corbette) for officers houses: 30 plastic sheets Kalingo Areas - Castle Bruce, Morpo, Tranto, Good Hope, Petit Soufriere, San Sauveur: 350 plastic sheets. At the Jimmit office of disaster management - 30 rolls (300 sheets) and the 20 chainsaws

## U.S. Response to Caribbean Hurricanes

Hurricane Irma, a Category 5 storm, hit the Caribbean beginning on September 6. Less than two weeks later, Hurricane Maria, a second Category 5 storm, struck the region. USAID deployed a Disaster Assistance Response Team (DART) on September 7. The DART—which at its height comprised 54 people—deployed to 11 locations in the Caribbean to lead the U.S. government's humanitarian response in coordination with affected governments.

### U.S. Government Assistance

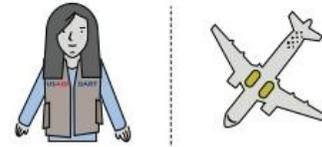
#### Nearly \$9.7 million

provided to Antigua & Barbuda, The Bahamas, Dominica, St. Kitts & Nevis, Saint-Martin, Sint Maarten



#### 54 members

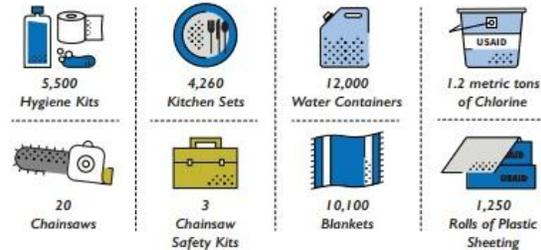
of USAID Disaster Assistance Response Team deployed to 11 locations



### 9 Airlifts

#### An estimated 62,500 people helped

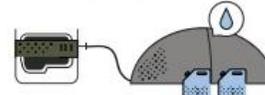
by more than 151 metric tons of relief supplies



### U.S. Military Assistance

#### 8 Desalination Units

provided by U.S. SOUTHCOM



#### 83,020 gallons

of potable water produced



#### 47 Missions

to deliver aid & response personnel



Forklifts provided to offload cargo

## UNITED NATIONS (UN) AGENCIES

### PAHO

- As of today, 30 September 2017 (Day M12) DOWASCO restored services to 9,220 customers of its total of around 57,000 persons connected. DOWASCO expect to have water restored to Roseau by possibly 6 or 7 October (end of next week)
- No reports are available from 16 of the 44 (36%) water supply systems (serving 10,250 people (18% of served population). Operational status, damage and needs are still being assessed.
- At least another 6 systems could be operational if only electrical power could be provided (Serving 5060 persons). Tow 12 KVA and four 9KVA generators!
- Update on water trucking (capacity available and needed for coming week) and installation of water treatment plants is pending.

### URGENT WATER NEEDS

- two 12 KVA and four 9 KVA generators (3 phase) for DOWASCO Pumps stations
- At least eight (8) water trucks (cap. 2000-3000 litre) for distributing water
- 20,000 Collapsible water containers 2 gallons or household use.
- 10,000 water jerry cans 3-4 gallons

### UNICEF

- 4 large water tanks with a capacity of 3,000 gallons and 100 family hygiene kits were shipped to Dominica from the UNICEF Liaison Office in Antigua.
- To date there are six (6) UNICEF staff members on the ground in Dominica carrying out assessments. They will focus on WASH issues and supply and logistical arrangements to facilitate delivery of urgent support to hurricane affected children and families. In addition two (2) more staff members are scheduled to be deployed to Dominica tomorrow, Saturday, 30th September to support the team on the ground, focus on supply logistical arrangements to facilitate delivery of urgent supplies and support to children and families.
- An additional team of UNICEF staff from Regional Office and Haiti is expected to go to Dominica to boost UNICEF preparations for emergency response.

### World Food Programme

#### Regional

#### Funding

- WFP has launched a regional logistics and emergency telecommunication special operation (USD 12 million) to support CDEMA, governments and other humanitarian partners with logistics and telecommunication coordination, information management and common services support.

#### Logistics

- WFP, is closely working with CDEMA supporting its response to the hurricane, and coordinating the activities of the ETC members and humanitarian partners. Antigua remains the main regional hub for the coordination and logistics in this emergency response
- The ETC members – Ericsson Response, Government of Luxembourg and WFP – conducted needs assessments and deployed Internet connectivity services for humanitarians in seven sites in Dominica - the Governments' Emergency Operation Centre (EOC), Canefield Airport, Dominica Hospital and Dominican, French and Venezuela Fire Brigades, Douglas-Charles Airport and office a Non-Government Organisation (NGO) - Catholic Relief Services (CRS) . As of 28 September, more than 600 responders registered to use the services
- WFP is working with WeRobotics and Open Aerial Map on conducting needs assessment in Barbuda, Dominica and Saint Martin by using UAVs to map the areas affected by the recent hurricanes
- New ICT Coordinator, Michael Dirksen joined the team in Antigua.
- ETC Services for Communities (S4C) Advisor, Phyza Jameel, is in Antigua conducting needs assessment for provision of services in two locations: Antigua (for citizens evacuated from Barbuda) and in Dominica. The ETC is working with various actors present on the ground, including humanitarian organisations, local radio broadcasters and Mobile Network Operators (MNOs).
- WFP is augmenting existing storage capacity with the provision of 3 mobile storage units at key points of entry (port and airport in the capital Roseau and the main Douglas-Charles Airport) to service humanitarian operations in the West and North-eastern part of the country.
- A WFP Logistics Coordinator, Civil-Military Coordination Officer and other logistics specialists are on site, to support the Government-led response with logistics coordination, facilitation of the use of military assets and the transferring of technical capacities to government counterparts in the construction and maintenance of the storage units.
- United Nations Humanitarian Air Service (UNHAS) aircraft continues to provide regular flights between Antigua and Dominica. This plane is primarily used for the transportation of humanitarian responders and some light cargo.
- WFP has also mobilised and made available helicopter lift capacity of 1.5 mt that will be used to support assessments and distribution activities to hard-to reach locations based in Guadalupe. All logistics services and assets are provided on a free to user basis.

#### Food Security

- WFP has dispatched High Energy Biscuits (HEBs) pre-positioned on nearby islands as part of the earlier Hurricane Irma response to cover an initial three days for roughly 20,000 people. Over 12,000 people have been reached with distributions already, which has been distributed jointly with water and other food and non-food relief items. • WFP has deployed programme staff to support planning and distributions in coordination with authorities, also identifying further assistance needed.

- The WFP Regional Director for Latin America and the Caribbean has also met with the Dominica Prime Minister to discuss the response and a cash based transfer will be integrated intervention through local market is being developed.