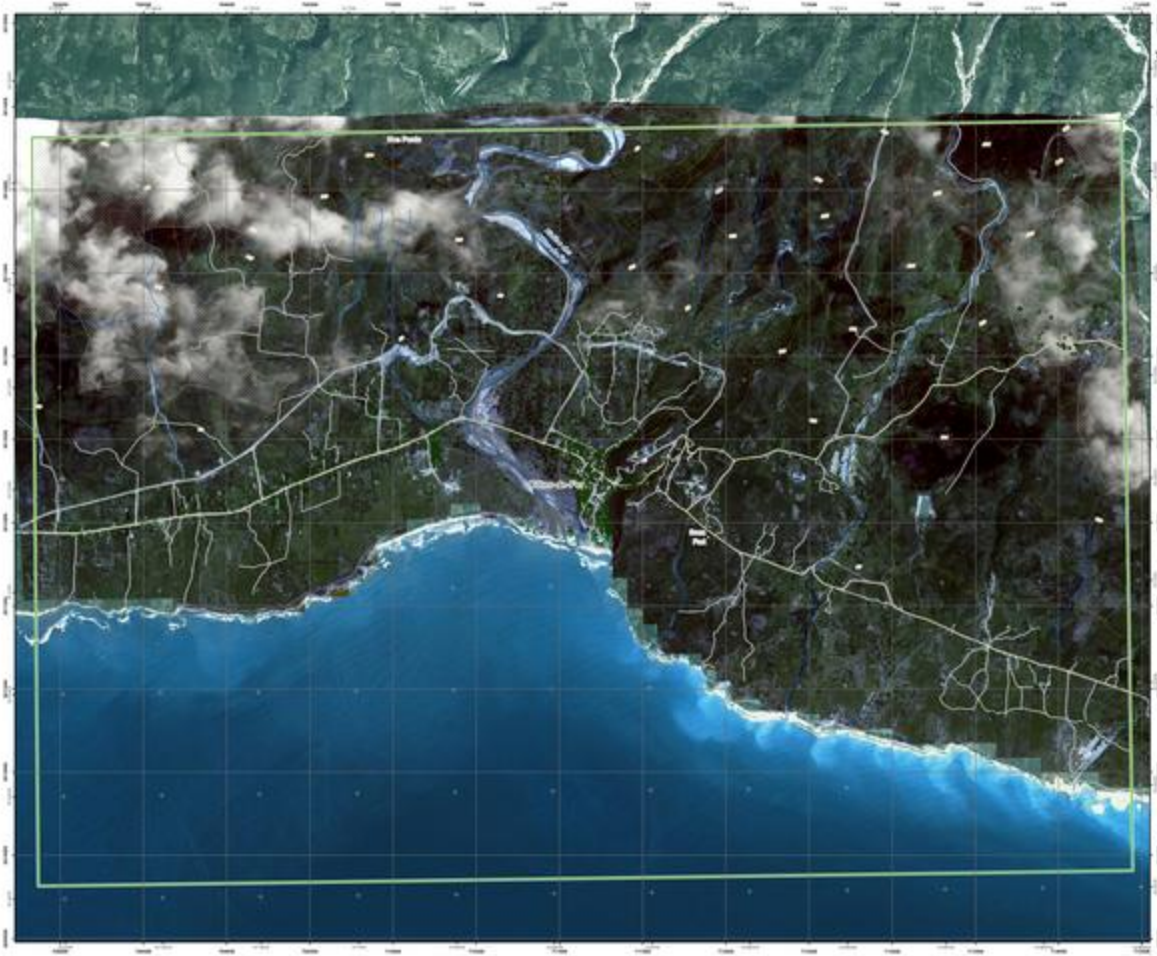

Côtes-de-Fer - HAITI

Tropical Cyclone - Situation as of 07/10/2016

Delineation Map

Cartographic Information

1:10000

Full color 841 x 1 - medium resolution (300 dpi)

0 125 250 500 750 1000 m

Unit: WGS 1984 / UTM zone 18N map coordinate system

Grid Inset: WGS 84 geographical coordinate system

N

Legend

Crisis Information
- Air Damage
- Affected Buildings

General Information
- Area of Interest
- Grids
- Populated Place

Transportation
- Secondary Road
- Local Road

Hydrology
- River
- Stream

Physiography
- Contour lines and elevation (m)

Correspondence within the EOS	Unit of measurement	Affected	Total in AOI
Florida area	ha		4.5
Estimated population	No. of inhabitants	0	3000
Settlements	Residential	No.	0	1000
	Industrial	No.	0	1
	Religious	No.	0	1
	Administrative	No.	0	1
Transportation	Secondary road	km	0.0	11.6
	Local road	km	0.0	52.8
	Bridge	No.	0	1

Map Information

Category: 3 Cyclone Matthew is threatening the Caribbean with maximum sustained wind speeds of 140 km/h and heavy rainfall. An alerting monitoring is ongoing for the Caribbean Sea and is strong in the Bahamas and Haiti, particularly Grand Anse.

Cyclone Matthew is expected to pass very close to the region as of the "Marie Galante" (Port Louisa) mid of Haiti southern coast. The Grand Anse area is in a region of oil and gas and heavy industrial activities and is a very sensitive area.

The present map shows the maximum current delineation in the area of interest (AOI). The Intensity from the same sensor from previous satellite image using e.g. ratios of wind intensities. The estimated potential increase is 5 to 10% in case of wind speed.

Relevant data sources			
Event	07/10/2016	Satellite sensor	Sentinel-1
Activation	07/10/2016	Image acquisition	06/10/2016

Data Sources

Pre-event image: Sentinel-1 C-Hybrid/Dual polarized acquisition on 23/09/2016 (VV-VH, 20m x 5 m, 5 looks, ground range, 10.1 dB-noise equivalent sigma zero) COPERNICUS via Sinergise (www.sentinel-hub.com) Sentinel-1 Image, 20 meter resolution

Post-event image: Sentinel-1 C-Hybrid/Dual polarized on 06/10/2016 (VV-VH, 20m x 5 m, 5 looks, ground range, 10.1 dB-noise equivalent sigma zero) COPERNICUS via Sinergise (www.sentinel-hub.com) Sentinel-1 Image, 20 meter resolution

Base map layers: OpenStreetMap © OpenStreetMap contributors, CC-BY-SA (www.openstreetmap.org/copyright)

Land mask: JRC 2012, Global Surface Water, Monitoring 2012

Population data: Landscan 2012 © UT-BATTELLE, LLC
Oak Ridge National Laboratory, UT-Battelle, LLC

Disclaimer

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