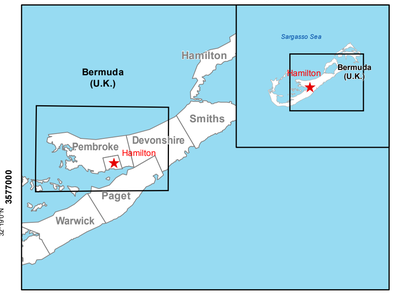
Charter Call 509

Activation ID: EMSR-106
Product N.: 02BermudaSouthWest, v2

Hamilton City - BERMUDA (U.K.)
Storm/Hurricane - 17/10/2014
Reference Map - 03 Detail

Production date: 23/10/2014



Cartographic Information

1:10000

Full color ISO A1, medium resolution (200 dpi)

0 0.25 0.5 1 km

N

Grid: WGS 1984 UTM Zone 20N map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend

General Information
- Area of Interest

Administrative boundaries
- District

Settlements
- Populated Place
- Residential
- Agricultural
- Commercial
- Educational
- Industrial
- Institutional
- Medical
- Military
- Recreational
- Religious
- Transportation

Hydrology
- Coastline
- Canal
- Lake

Physiography
- Contour lines and elevation (m)

Point of Interest
- Educational
- Institutional
- Medical
- Military
- Recreational
- Religious
- Cemetery
- Military Site
- Stadium

Industry / Utilities
- Power Station
- Power Station

Transportation
- Bridge
- Harbour
- Railway Trail
- Primary Road
- Secondary Road
- Local Road

Exposure within the detail AOI03			
Estimated population		inhabitants	19 534
Settlements	Residential	No.	5 357
	Agricultural	No.	5
	Commercial	No.	4
	Educational	No.	30
	Industrial	No.	184
	Institutional	No.	32
	Medical	No.	6
	Military	No.	3
	Recreational	No.	13
	Religious	No.	8
	Transportation	No.	14
Transportation	Primary roads	km	17
	Secondary roads	km	7.8
	Local roads	km	102
	Bridge	No.	1
	Harbour	No.	1

Map Information

Hurricane Gonzalo, a Category Three storm, is forecast to pass over Bermuda on 17 October 2014 with wind speeds of 225 kilometers per hour as reported by the National Hurricane Center in Miami (USA). The storm could have a potentially devastating impact on the islands. Gonzalo is expected to strengthen to a Category Four storm by the time it reaches Bermuda. The storm has already been responsible for one death in the Caribbean.

Data Sources

Inset maps based on: Administrative boundaries (JRC 2013, GISCO 2010, © EuroGeographics), Hydrology, Transportation (Natural Earth, 2012, CCM River DB © EU-JRC 2007), Settlements (Geonames, 2013).
ESRI World Imagery © Esri, DigitalGlobe (acquired on 19/06/2012, GSD 1 m, 0% cloud coverage).
Base vector layers based on OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames (approx. 1:10.000, extracted on 17/10/2014), refined by SIRS. Source information is included in vector data.
Elevation data: SRTM (90m posting). Height in meters above mean sea level.
Population data: Landscan 2010 © UT BATTELLE, LLC.
All Data sources are complete and with no gaps.

Dissemination/Publication

Delivery formats are GeoTIFF, GeoPDF, GeoJPEG and vectors (shapefile and KML formats).

Framework

The products elaborated in the framework of current mapping in rush mode activation are realized to the best of our ability, within a very short time frame during a crisis, optimising the available data and information. All geographic information has limitations due to scale, resolution, date and interpretation of the original data sources. The products are compliant with GIO-EMS RUSH Product Portfolio specifications.

Map Production

The present map shows basic topographic features such as transportation and settlements in the area of Hamilton (BERMUDA (U.K.)). These basic topographic features are derived from public datasets, refined by means of visual interpretation of pre-event image ESRI World Imagery.The estimated geometric accuracy of this product is 5 m CE90 or better, from native positional accuracy of the background satellite image. The estimated thematic accuracy of this product is 85% or better, (choose the most appropriate one) as it is based on visual interpretation of recognizable items on very high resolution optical imagery. Only the area enclosed by the Area of Interest has been analyzed.
Map produced on 23/10/2014 by SIRS under contract 257219 with the European Commission. All products are © of the European Commission.
Map produced in the context of International Charter Call 509
Name of the release inspector (quality control): e-GEOS (ODO).
E-mail: rush@ems-gmes.eu
Map products available at http://emergency.copernicus.eu/mapping/list-of-components/EMSR106

Storm/Hurricane

Humanitarian Aid
Response
Reference Map - Detail
Planning
ESRI World Imagery © Esri, DigitalGlobe
17-10-2014

Copernicus The European Earth Observation Programme

European Commission