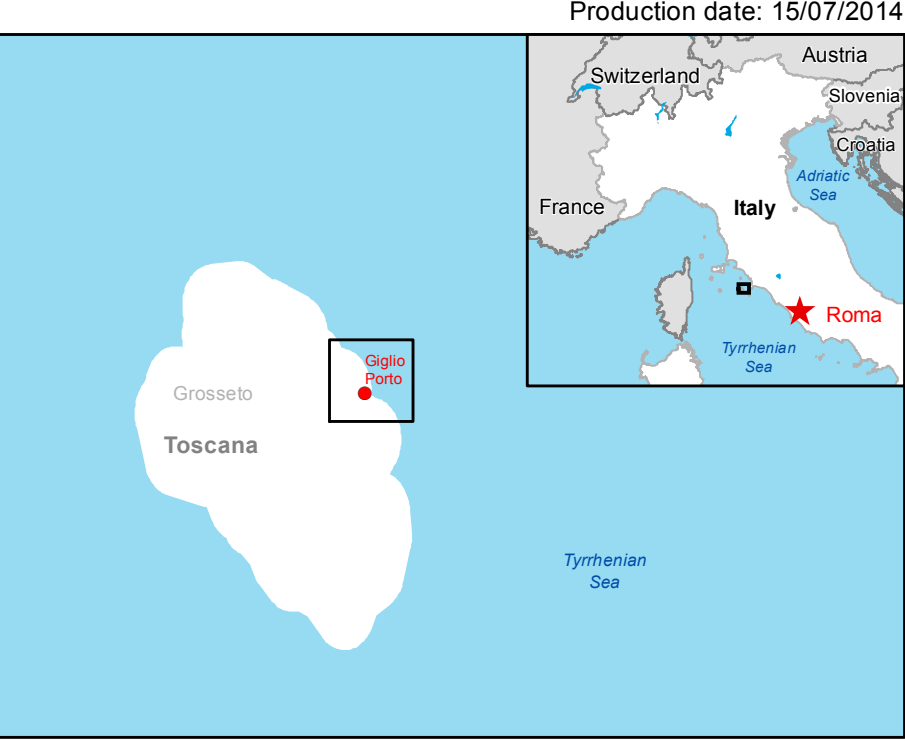


GLIDE number: N/A Activation ID: EMSR-093
Product N.: 01GIGLIOPORTO, v1

Giglio Porto - ITALY Oil Spill - 14/07/2014 Delineation Map - Overview Monit 01



Cartographic Information

1:5000 Full color ISO A1, medium resolution (200 dpi)

0 100 200 400 Meters

Grid: WGS 1984 UTM Zone 32N map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend

- | | | |
|--|-----------------------|-----------------------------|
| Crisis Information | Transportation | Settlements |
| Costa Concordia (15/07/2014 05:18 UTC) | Secondary Road | Populated Place |
| Concordia orientation (15/07/2014 05:18 UTC) | Local Road | Residential |
| General Information | Trail | Cemetery |
| Area of Interest | Helipad | Industrial |
| Not Analyzed | Harbour | Religious |
| Municipality | | Industry / Utilities |
| Religious | | Processing Facility |
| Transportation | | |

Consequences within the overview AOI on 15/07/2014			
		Affected	Total in AOI
Affected area	ha	0	
Estimated population	inhabitants	0	784
Settlements	ha	0	315
Residential	ha	0	3
Industrial	ha	0	1
Religious	ha	0	1
Cemetery	ha	0	1
Transportation	km	0	2.4
Secondary roads	km	0	6.5
Local roads	km	0	3.1
Trail	km	0	1
Helipad	km	0	1
Harbour	No	0	1
Processing Facilities	No	0	1

Map Information

The Costa Concordia ground into the rocky shore of the Italian island of Giglio on Jan. 13, 2012. The activities to remove the wreck from the Giglio Island are ready to start and this represents a tricky phase where several aspects have to be taken into account in order to avoid issues that can impact on several domains. It is very important, during these activities, to obtain information, also from earth observation data, about the potential oil spill that could occur and concerning the situation in the harbour area.

Data Sources

Inset maps based on: Administrative boundaries (JRC, 2013, GISC0 2010, © EuroGeographics), Hydrology, Transportation (Natural Earth, 2012, GCM River DB © EU-JRC 2007), Settlements (Geonames, 2013).
GeoEye-1 pre-event image (acquired on 11/04/2014, GSD 0.5m, 15% cloud coverage) provided under ESA GSC-DA DWH License.
RADARSAT-2 © MDA (acquired on 15/07/14 at 05:18 UTC GSD 3m, and 14/07/14 14:06 UTC GSD 3m) provided under ESA GSC-DA DWH License.
Base vector layers based on OpenStreetMap contributors, Wikimapia.org, GeoNames (approx. 1:10,000, extracted on 01/01/2001), refined by e-GEOS. Source information is included in vector data.
Population data: Landsat 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 building footprint in the area of Giglio Porto, Giglio Island, Toscana (ITALY). These basic topographic features are derived from public datasets, refined by means of visual interpretation of GeoEye-1 pre-event image.
GeoEye-1 pre-event image have been radiometrically enhanced and orthorectified with RPC approach (using SRTM90 elevation data).
The estimated geometric accuracy of this product is 5m CE90 or better, from native positional accuracy of the background satellite image.
Reported on map a symbol (red shipwreck) that showing the actual location of the Costa Concordia and a azure line that highlights the orientation (NW - SE) of the Costa Concordia.
These elements were extracted from a RADARSAT-2 image acquired on 15/07/14 at 05:18 UTC and on 14/07/14 at 17:06 UTC. In multitemporal analysis, made on the two RADARSAT-2 images, no significant displacement was detected.
RADARSAT-2 image was geocoded and calibrated using SRTM90 DEM.
The estimated thematic accuracy of this product is 85% or better, as it is based on visual interpretation of recognizable items on very high resolution optical imagery. Shadowed areas are zones of lower interpretation accuracy due to the poorer image radiometry.
Only the area enclosed by the Area of Interest has been analyzed.
Map produced on 15/07/2014 by e-GEOS under contract 257219 with the European Commission. All products are © of the European Commission.
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/EMSR093>




Other



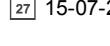
Civil Protection




Response




Delineation Map - Overview



Planning



RADARSAT-2 (c) MDA



15-07-2014

