

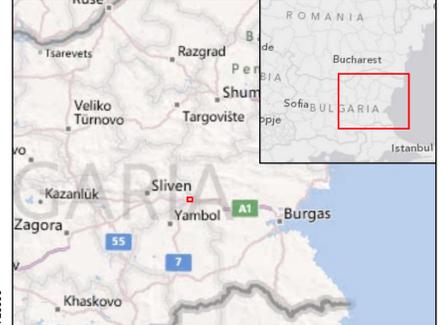
GLIDE number: N/A Activation ID: EMSR-006
Product N.: 00Lozenets_v1

Lozenets, BULGARIA

Industrial accident - 05/06/2012

Delineation Map - Detail

Production date: 09/06/2012



Cartographic Information

1:5 000 Full color ISO A1, medium resolution (200 dpi)

0 125 250 500 m

Map Coordinate System: WGS 1984 UTM Zone 35N
Graticule: WGS 84 geographical coordinates

Legend

- Area of Interest
- Explosion Location
- Affected
- Not Affected
- Primary Road
- Secondary Road
- Local Road
- Industrial
- Commercial
- □ Recreational

Consequences within the AOI

less than 100 Inhabitants

Estimated AOI population	less than 100 Inhabitants			
Affected assets	18 Buildings			
Residential	0	Educational	0	
Industrial	18	Medical	0	
Commercial	0	Recreational	0	
Institutional	0	Religious	0	
Multi-Functional	0	Transportation	0	
Other	0	Military	0	

Map Information

On Tuesday, June 5th 2012, early in the afternoon, a series of explosions rocked an arms depot, owned by a private company, near the village of Lozenets, some 330 km (200 miles) east of Bulgarian capital Sofia.

The blasts injured seven workers present at the disposal depot and blocked traffic on the nearby highway linking Sofia with the Black Sea city of Burgas.

Some 150 citizens from the village of Lozenets, region of Yambol and village of Gorno Aleksandrovo region of Sliven, have been evacuated on their own desire with assistance and transportation from the Municipality (Source: Reuters).

The core users of the map are Civil Protection authorities involved in operations in the field. The aim of the map production is to support the emergency response activities.

Data Sources

GeoEye-1 (acquired June 8th 2012, 0% cloud cover, 50 cm resolution) provided under ESA GSC-DA DWH License
OSM ©OpenStreetMap 2012, refined by SIRS
EURODEM GEC (25 m posting)
ESRI data - Aerospace Monitoring Center, DG Fire Safety and Civil Protection, Ministry of Interior of Bulgaria
All data sources are complete and with no gaps.

Dissemination/Publication

Restrictions apply on the publication of the map: please contact MIC.
Delivery formats are GeoTIFF, GeoPDF, GeoJPEG and vectors (shapefile and KML formats).

Framework

The products elaborated for this Rapid Mapping Activity are realised to the best of our ability, with a very short time frame, during a crisis, optimising the material available. All geographic information has limitations due to scale, resolution, date and interpretation of the original source materials. Product compliant with GIO-EMS RUSH Product Portfolio specifications.

Map production

The present map shows a building damage assessment in the area of the arms depot, near the village of Lozenets, eastern BULGARIA, based on visual interpretation of post-event satellite imagery acquired on June 8th 2012 (spatial resolution 50 cm). Grading classes are based on EMS-98 damage grades, specifically: Completely Destroyed (EMS 98 Grade 5), Damaged (EMS 98 Grade 2-3-4), Not Affected.

Post-event satellite images have been rectified using GCPs collected on the QuickBird ortho image acquired on 2011.

The geometric accuracy of this product is estimated approx. 5m CE90, from native positional accuracy of the background satellite image.

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.

Map produced on June 9th 2012, by SIRS under contract 257219 with the European Commission. All products are © of the European Commission.

Name of the release inspector (quality control): e-GEOS (ODO),
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Civil Protection
 Response
 Delineation Map - Detail
 Support to logistics
 Satellite Imagery (GeoEye-1)

Industrial accident 05-06-2012