

Regent, Freetown area - SIERRA LEONE

Mudflow - Situation as of 15/08/2017

Grading Map

Cartographic Information

1:6500 Full color ISO A1, low resolution (100 dpi)

0 0,125 0,25 0,5 km
Grid: WGS 1984 UTM Zone 28N map coordinate system
Tick marks: WGS 84 geographical coordinate system



Legend

Crisis Information

- Landslide (15/08/2017 11:25 UTC)
- Mudflow (15/08/2017 11:25 UTC)
- Building Grading**
- Destroyed
- Highly Damaged
- Moderately Damaged

Transportation Grading

- Bridge, Destroyed
- Road, Destroyed

General Information

- Area of Interest

Settlements

- Populated Place

Hydrology

- River
- Stream
- Reservoir

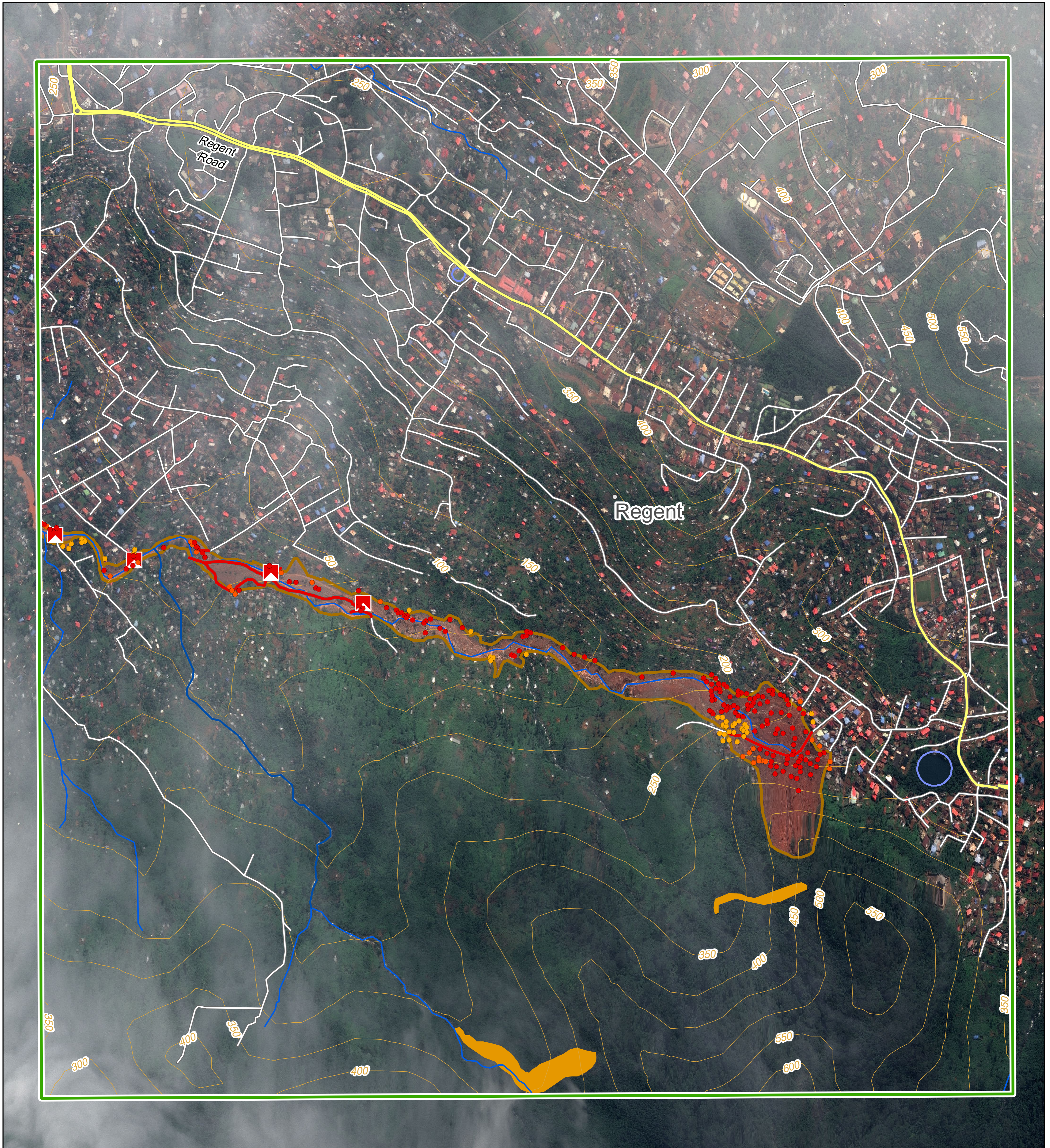
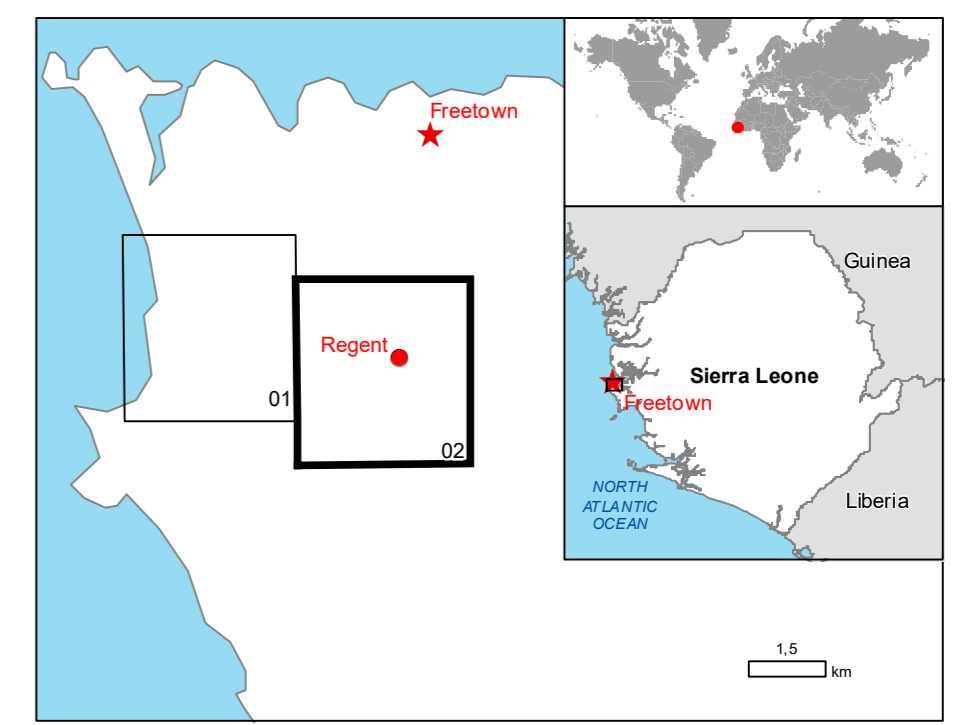
Physiography

- Contour lines and elevation (m)

Transportation

- Bridge
- Primary Road
- Local Road

Consequences within the AOI						
	Unit of measurement	Destroyed	Highly damaged	Moderately damaged	Negligible to slight damage	Total affected
Mudflow	ha					31.9
Landslide	ha					4.5
Estimated population	No. of inhabitants					2005 8405
Settlements	No.	151	25	38	0.0	214
Transportation	No.	0	0	0	0	4
	km	0	0	0	0	6.5
	km	1.5	0.0	0.0	0.0	1.5
						55.4



Map Information

On the 14th of August 2017, massive mudslides and floods have affected Freetown in Sierra Leone, the worst-hit area is thought to be the Regent district where dozens of houses were submerged when the hillside collapsed.

In Freetown, more than 300 people have been killed after houses are submerged by mudflows and rivers, the precise death toll is likely to rise within the next days. An estimated 2,000 people have also been made homeless after heavy rains caused properties to disappear under water. Heavy rains on 15-16 Aug might lead to further severe flooding.

The present map shows the damage grade assessment in the area of Regent (Sierra Leone). The thematic layer has been derived from post-event satellite image by means of visual interpretation. The estimated geometric accuracy is 5 m CE90 or better, from native positional accuracy of the background satellite image.

Data Sources

Pre-event image: WorldView-3 © Digital Globe, Inc. (2017), (acquired on 03/03/2017 at 11:41 UTC, GSD 0.5 m, approx. 0% cloud coverage in AoI, 16° off-nadir angle), provided under COPERNICUS by the European Union, ESA and European Space Imaging, all rights reserved.

Post-event image: GeoEye © Digital Globe, Inc. (2017), (acquired on 15/08/2017 at 11:25 UTC, GSD 0.5m, approx. 30% cloud coverage in AoI, 42° off-nadir angle), provided under COPERNICUS by the European Union, ESA and European Space Imaging, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames 2015, refined by the producer.

Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2013.

Population data: Landsat 2010 © UT BATTELLE, LLC

Digital Elevation Model: SRTM 90m (NASA/USGS)

Disclaimer

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Relevant date records

Event	14/08/2017	Situation as of	15/08/2017
Activation	15/08/2017	Map production	17/08/2017