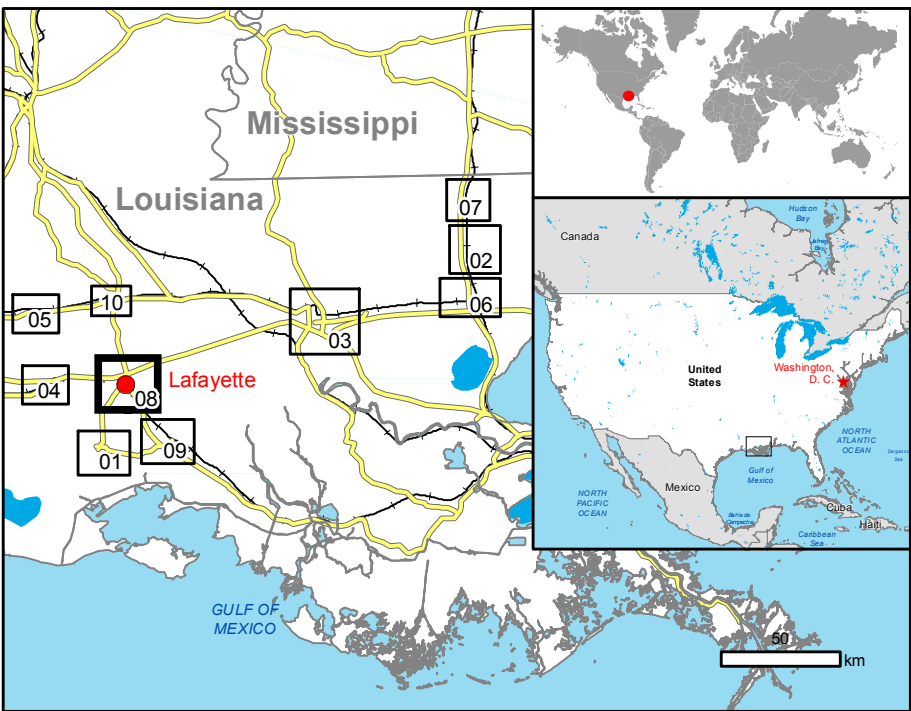


GLIDE number: N/A Activation ID: EMSR176
Product N.: 08La Fayette, v1, English

La Fayette - UNITED STATES

Flood - Situation as of 16/08/2016

Delineation Map - Monit01



Cartographic Information

1:40000 Full color ISO A1, medium resolution (200 dpi)

0 0.75 1.5 3 km

Grid: WGS 1984 UTM Zone 15N map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend

Crisis Information	Hydrology	Transportation
■ Flooded Area (16/08/2016 12:06 UTC)	— River	✈ Aerodrome
■ Flooded Area (15/08/2016 23:41 UTC)	— Stream	✈ Bridge
■ General Information	■ Lake	✈ Helipoint
■ Area of Interest	■ Reservoir	✈ Railway
Settlements	Industry / Utilities	— Runway
● Populated Place	■ Processing Facility	— Motorway
	■ Storage Depot	— Primary Road
		— Secondary Road
		— Local Road

Consequences within the AOI			
	Unit of measurement	Affected	Total in AOI
Flooded area	ha		789.0
Estimated population	No. of inhabitants	605	219876
Transportation	Motorways	km	0
	Primary roads	km	0.1
	Secondary roads	km	1.1
	Local roads	km	4.1
	Railways	km	0
	Bridge	No	0
	Helipoint	No	0
Utilities	Aerodrome	No	0
	Storage Depot	ha	0.0
	Processing	ha	0.0
	Extraction mine	ha	0.0
	Quarry	ha	0.0

Map Information

On 12 August 2016, heavy rainfall started in Louisiana, causing historic high levels in the rivers of the region, consequently thousands of people have been evacuated at least three fatalities were reported. The areas surrounding the cities of Baton Rouge and Lafayette are the most affected. On 13 August a state of emergency in Louisiana has been declared.

The present map shows the flood delineation in the area of Lafayette. The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The estimated geometric accuracy is 60 m CE90 or better, from native positional accuracy of the background satellite image.

Relevant date records			
Event	12/08/2016	Situation as of	16/08/2016
Activation	14/08/2016	Map production	17/08/2016

Data Sources

Post-event image: COSMO-SkyMed © ASI (2016), distributed by e-GEOS S.p.A. (acquired on 16/08/2016 12:06 UTC, GSD 30 m), provided under COPERNICUS by the European Union and ESA, all rights reserved.
COSMO-SkyMed © ASI (2016), distributed by e-GEOS S.p.A. (acquired on 15/08/2016 23:41 UTC, GSD 30 m), provided under COPERNICUS by the European Union and ESA, all rights reserved.
Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 03/08/2015, GSD 1 m, 0 % cloud coverage).

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

Products elaborated in this Copernicus EMS Rapid Mapping activity are realized to the best of our ability, within a very short time frame, optimising the available data and information. All geographic information has limitations due to scale, resolution, date and interpretation of the original sources. The map and the information content are derived from satellite data without in situ validation. No liability concerning the contents or the use thereof is assumed by the producer and by the European Union.
Please be aware that the thematic accuracy might be lower in urban and forested areas due to inherent limitations of the SAR analysis technique.

Map produced by SERTIT, released by e-GEOS (ODO).

For the latest version of this map and related products visit
<http://emergency.copernicus.eu/mapping/list-of-components/EMSR176>

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