GLIDE number: FF-2021-000032-TMP
Int. Charter Act. ID: 701

Activation ID: EMSR507
Product N.: 07AILEU, v1

Aileu - TIMOR-LESTE

Flood - Situation as of 09/04/2021

Grading - Overview map 01

Cartographic Information

1:10000

Full color A1, 200 dpi resolution

0 0.25 0.5 1 km

N

Grid: WGS 1984 UTM Zone 51S map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend

Crisis Information
- Flooded Area (09/04/2021 01:15 UTC)

Built Up Grading
- Possibly damaged

Transportation Grading
- Road, Possibly damaged
- Primary Road, No visible damage
- Local Road, No visible damage
- Cart Track, No visible damage

General Information
- Area of Interest

Administrative boundaries
- Municipality

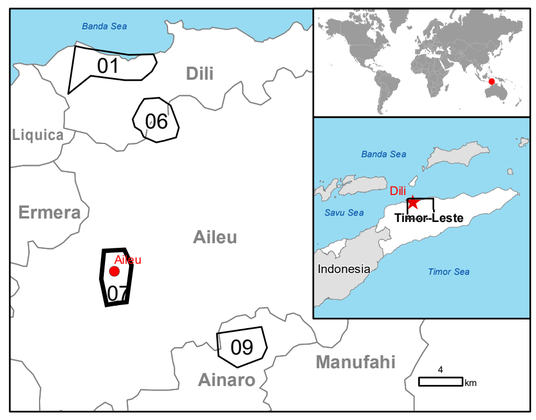
Placenames
- Placename

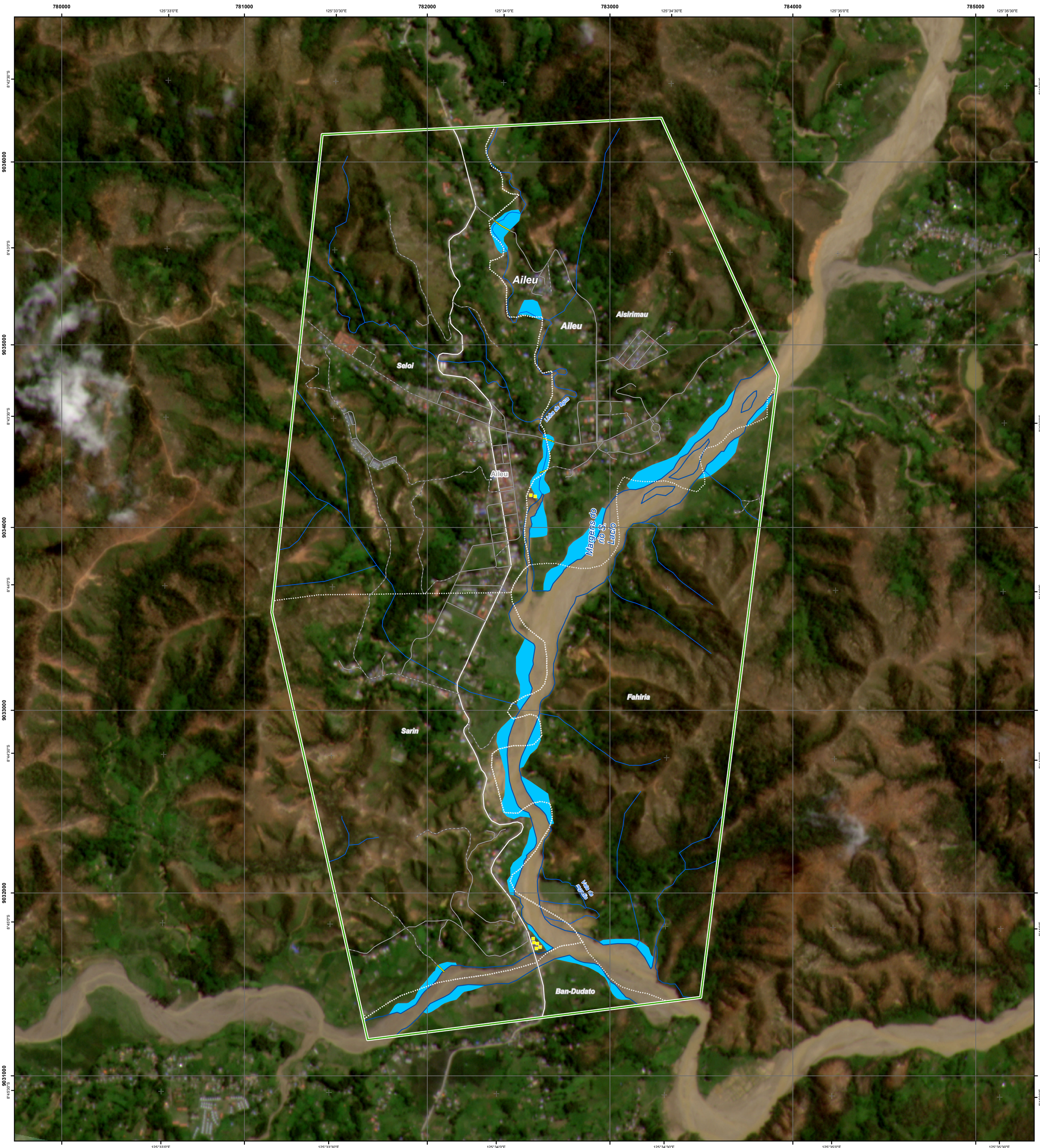
Hydrography
- Stream

Physiography & Land Use - Land Cover
Features available in the vector package

Consequences within the AOI							
	Unit of measurement		Destroyed	Damaged	Possibly damaged*	Total affected**	Total in AOI
Flooded area		ha					31.3
Estimated population	Number of inhabitants					353	13,137
Built-up	Residential Buildings	No.	0	0	7	7	NA
Transportation	Primary Road	km	0.0	0.0	0.0	0.0	5.7
	Local Road	km	0.0	0.0	0.2	0.2	15.8
	Cart Track	km	0.0	0.0	0.1	0.1	10.2
Land use	Forests	ha	NA	NA	NA	0.9	191.2
	Shrub and/or herbaceous vegetation association	ha	NA	NA	NA	30.3	876.6
	Other	ha	NA	NA	NA	0.0	72.8

* Presence of damage proxies and proximity with destroyed/damaged asset
** Sum of Destroyed, Damaged and Possibly damaged





Map Information

Timor-Leste has been severely impacted by flooding after heavy rainfall occurred in the first days of April 2021. Many people are affected, search and rescue activities are ongoing. The activation of CEMS Rapid Mapping has been requested to assess the impact of the flood in the affected areas.

The present map shows the damage grade assessment in the area of Aileu (Timor-Leste). The thematic layer has been derived from post-event satellite image by means of visual interpretation. The scale of analysis is 1:1000. The estimated geometric accuracy (RMSE) is 6 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 576 sq m.

Data sources

Pre-event image: Geoeye © Digital Globe, Inc. (2020), (acquired on 12/09/2020 at 01:50 UTC, GSD 0.5 m, approx. 0% cloud coverage in AoI, 27.2° off-nadir angle), provided under COPERNICUS by the European Union, ESA and European Space Imaging, all rights reserved.

Post-event image:PlanetScope © Planet (acquired on 09/04/2021 at 01:15 UTC, GSD 3 m, approx. 0% cloud coverage in AoI), provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors (2021), Wikimapia.org, GeoNames 2015, Global Administrative Areas (2012), refined by the producer.
Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2015.

Digital Elevation Model: (30 m) (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. No liability concerning the contents or the use thereof is assumed by the producer and by the European Union.

Delivery formats are Layered Geospatial PDF, GeoJPEG and vector (ESRI shapefiles, Google Earth KML, GeoJSON).

Map produced by Telespazio Iberica released by e-GEOS (ODO).

For the latest version of this map and related products visit
https://emergency.copernicus.eu/EMSR507

jrc-ems-rapidmapping@ec.europa.eu

Relevant date records (UTC)

Event	04/04/2021 06:05	Situation as of	09/04/2021 01:15
Activation	04/04/2021 15:59	Map production	12/04/2021

Copernicus
Europe's eyes on Earth