

Respon Tanggap Darurat Bencana Berbasis Data Satelit
Space-based Disaster Emergency Response

ESTIMASI AREA TERDAMPAK BANJIR Sebagian Aceh Utara Provinsi Aceh, Indonesia

ESTIMATED FLOODED AREA
Part of Aceh Utara
Aceh Province, Indonesia

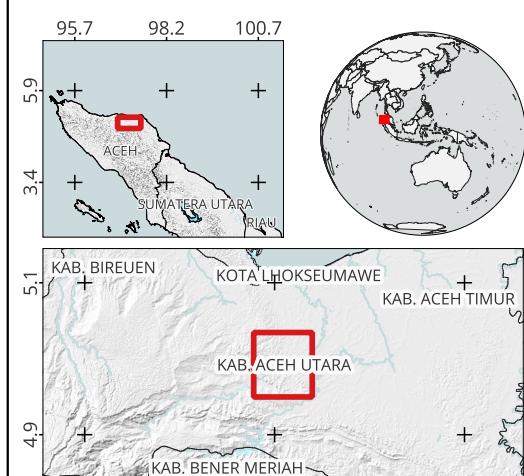
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1 2 km
1:50,000
Map scale for A3
CRS: WGS84 (EPSG:4326)

Legenda:

- [Red line] Batas kabupaten District border
- [Blue line] Jaringan jalan Road
- [Yellow square] Tubuh air Waterbody
- [Red square] Bangunan terdampak Affected buildings
- [Blue line] Estimasi area terdampak Estimated flooded area
- [Yellow square] Bangunan berpotensi terdampak Potentially affected buildings

Sumber Data:
Data source:

1. Batas administrasi dari Badan Informasi Geospasial
Administrative boundary courtesy of Geospatial Information Agency (BIG)
2. Hillshade GLO-30 DEM dari Copernicus
Hillshade GLO-30 DEM courtesy of Copernicus
3. Citra BlackSky dari PT Len Industri (Persero) dan
Kementrian Pertahanan
BlackSky Imagery courtesy of PT Len Industri and Ministry of Defence
4. Mozaik citra planet dari PlanetLab
Planet imagery courtesy of Planet Labs PBC
5. Data bangunan dari Open Street Map
Building data courtesy of Open Street Map



Deskripsi:
Hasil identifikasi genangan banjir di sebagian wilayah Kabupaten Aceh Utara dan memperkirakan sekitar 346 bangunan terdampak area banjir sedangkan 382 bangunan kemungkinan terdampak. Pemetaan cepat dilakukan dengan membandingkan mosaic planet October 2024 dan citra BlackSky (tgl 29 Nov 2025) dengan mengintegrasikan data bangunan Open Street Maps. Hasil pemetaan cepat ini perlu divalidasi dengan data lapangan.

Description:
Rapid flood mapping detected approximately 346 buildings inundated and 382 buildings potentially affected in parts of Aceh Utara Regency. The analysis was based on PlanetScope (Oct 2024), BlackSky (30 Nov 2025), and OpenStreetMap building data. Further field verification is recommended.

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