

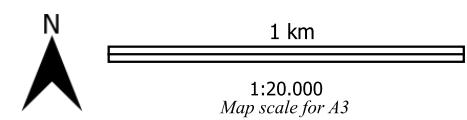
**Respon Tanggap Darurat
Bencana Berbasis Data Satelit
Space-based Disaster Emergency Response**

ESTIMASI AREA TERDAMPAK BANJIR

**Bireuen
Provinsi Aceh, Indonesia**

ESTIMATED FLOODED AREA

**Bireuen
Aceh Province, Indonesia**

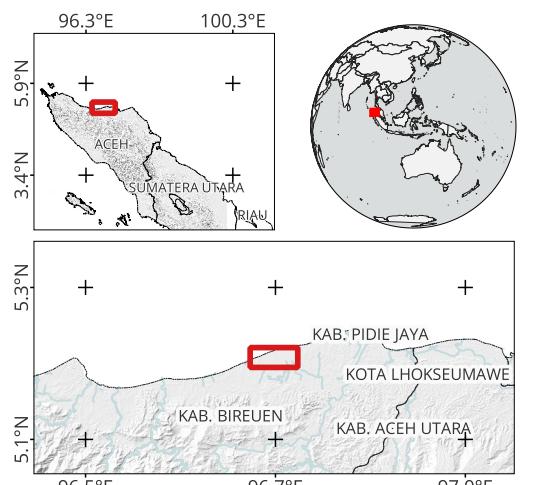


Legenda:

	Batas kabupaten District border
	Tubuh air Waterbody
	Estimasi area terdampak Estimated flooded area
✓	Jaringan jalan Road
■	Bangunan terdampak Affected buildings
■	Bangunan berpotensi terdampak Potentially affected buildings

Sumber Data:
Data source:

- Batas administrasi dari Badan Informasi Geospasial
Administrative boundary courtesy of Geospatial Information Agency (BIG)
- Citra Sentinel-2 dengan S2DR3 dan Hillside GLO-30 DEM dari Copernicus
Sentinel-2 processed S2DR3 and Hillside GLO-30 DEM courtesy of Copernicus
- Citra BlackSky dari PT Len Industri (Persero) dan Kementerian Pertahanan
BlackSky Imagery courtesy of PT Len Industri and Ministry of Defence
- Data bangunan dari Open Street Map
Building data courtesy of Open Street Map



Deskripsi:
Hasil identifikasi genangan banjir di wilayah Kabupaten Bireuen memperkirakan sekitar 413 bangunan terdampak area banjir sedangkan 796 bangunan kemungkinan terdampak. Pemetaan cepat dilakukan dengan membandingkan Sentinel-2 Super Resolution (29 Juni 2025) dan citra BlackSky (29 Nov 2025) dengan mengintegrasikan data bangunan Open Street Maps. Hasil pemetaan cepat ini perlu divalidasi dengan data lapangan.

Description:
Flood inundation identification in Bireuen Regency estimates that around 413 buildings are affected by the flood area and 796 buildings are potentially affected. Rapid mapping was conducted by comparing Sentinel-2 Super Resolution (29 June 2025) and BlackSky imagery (29 Nov 2025) with integrated Open Street Maps building data. The results of this rapid mapping need to be verified with field data.

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