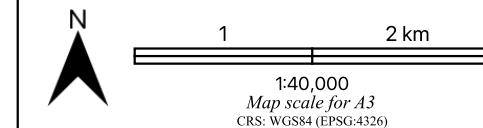


**Respon Tanggap Darurat  
Bencana Berbasis Data Satelit  
Space-based Disaster Emergency Response**

**ESTIMASI AREA TERDAMPAK BANJIR  
Lhokseumawe, Aceh Utara  
Provinsi Aceh, Indonesia**

**ESTIMATED FLOODED AREA  
Lhokseumawe, Aceh Utara  
Aceh Province, Indonesia**

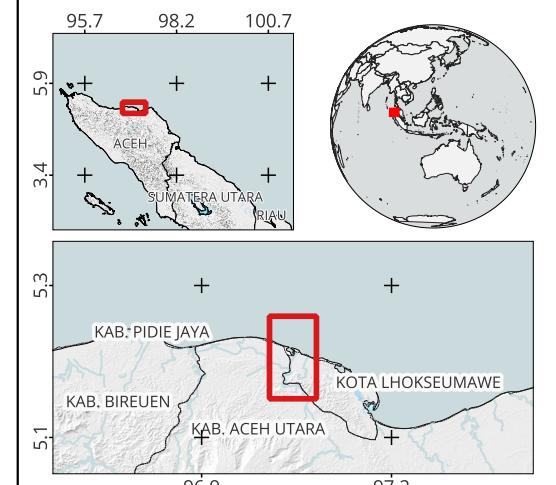


Legenda:

- [White box] Batas kabupaten District border
- [Blue box] Tubuh air Waterbody
- [Blue box with blue outline] Estimasi area terdampak Estimated flooded area
- [Red line] Jaringan jalan Road
- [Red square] Bangunan terdampak Affected buildings
- [Orange 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. Citra Sentinel-2 dengan S2DR3 dan Hillside GLO-30 DEM dari Copernicus  
Sentinel-2 processed S2DR3 and Hillside GLO-30 DEM courtesy of Copernicus
3. Citra BlackSky dari PT Len Industri (Persero) dan Kementerian Pertahanan  
BlackSky Imagery courtesy of PT Len Industri and Ministry of Defence
4. Data bangunan dari Open Street Map  
Building data courtesy of Open Street Map



Deskripsi:

Hasil identifikasi genangan banjir di sebagian wilayah perbatasan Kabupaten Aceh Utara dan Kota Lhokseumawe memperkirakan sekitar 856 bangunan terdampak area banjir sedangkan 1616 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 diverifikasi dengan data lapangan.

Description:

Flood inundation identification in parts of the border area between Aceh Utara Regency and Lhokseumawe City estimates that around 856 buildings are affected by the flood area and 1616 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.

Information Produced by:  
Indonesia Regional Support Office, UN-SPIDER, INASA, BRIN  
<https://bit.ly/Indonesia-RSO-BRIN>

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