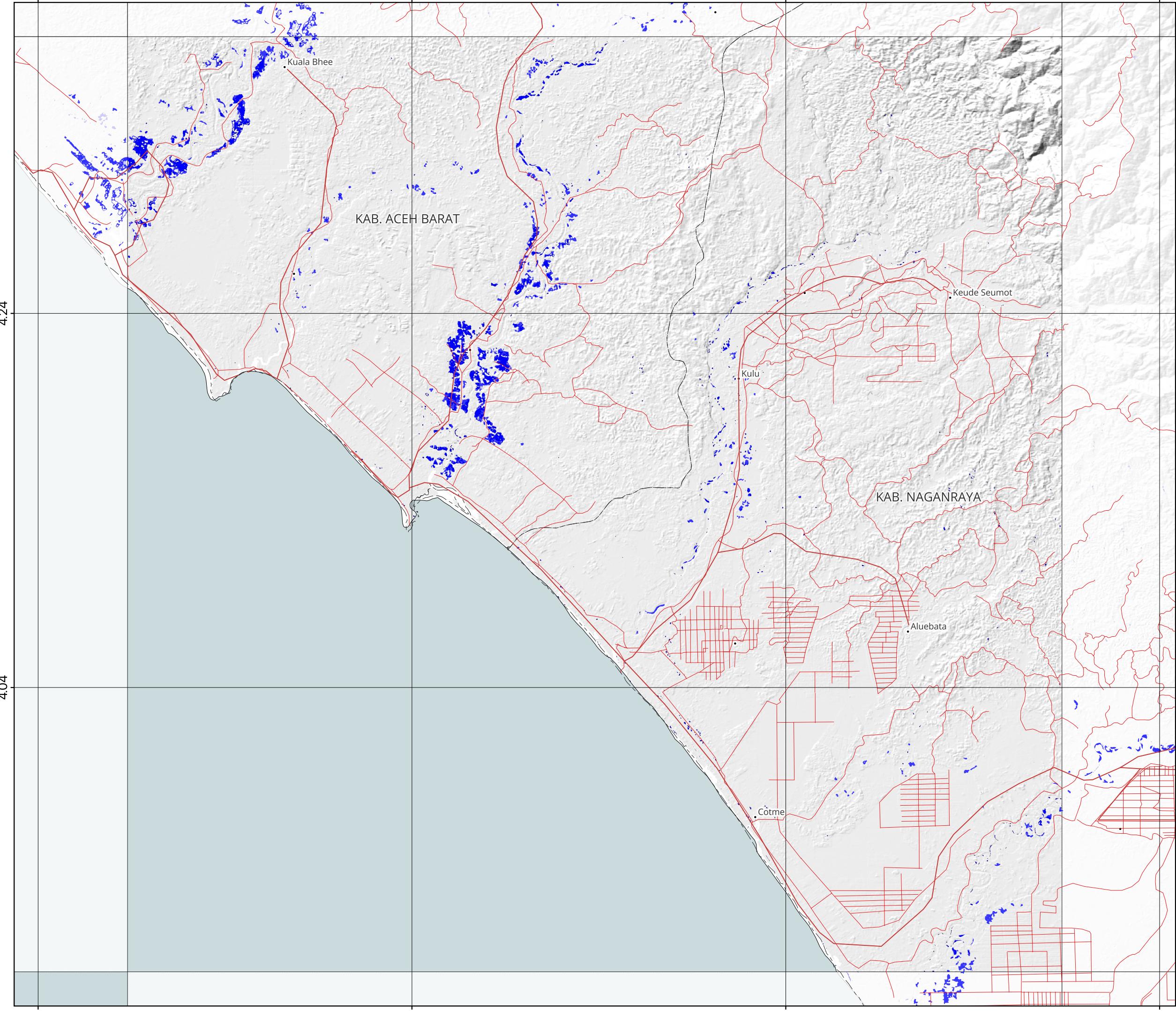


95.93

96.13

96.33

96.53



Respon Tanggap Darurat Bencana Berbasis Data Satelit

Space-based Disaster Emergency Response

BANJIR

Provinsi Aceh, Indonesia

D5**Flood**

Aceh Province, Indonesia



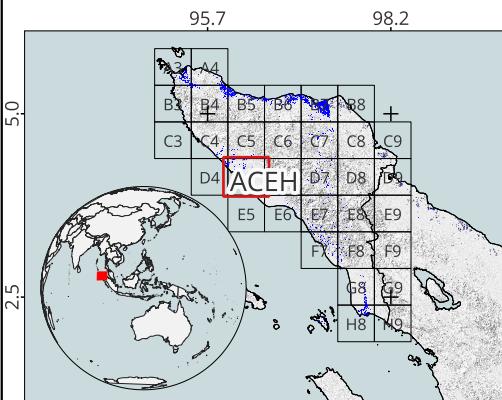
5 10 km

1:200,000
Map scale for A3
CRS: WGS84 (EPSG:4326)**Legenda:**

- | | | | |
|--|--|--|---------------------------------------|
| | Batas kabupaten
District border | | Jaringan jalan primer
Primary road |
| | Danau
Lake | | Jaringan jalan
Road |
| | Estimasi area terdampak banjir
Estimated flooded area | | |

Sumber Data: Data source:

1. Batas administrasi dari Badan Informasi Geospasial
Administrative boundary courtesy of Geospatial Information Agency (BIG)
2. Sentinel-1 level GRD Polarisi VV dan Copernicus DEM
dari European Space Agency (ESA)
Sentinel-1 SAR GRD data (VV polarization) and Copernicus DEM Courtesy of the European Space Agency (ESA)



Deskripsi:
Estimasi genangan banjir dilakukan dengan menganalisis perubahan nilai backscatter (ΔdB) pada citra SAR Sentinel-1 sebelum (15 November 2025) dan sesudah kejadian (27 November 2025). Penurunan backscatter yang melampaui ambang batas yang ditetapkan, diidentifikasi sebagai genangan banjir. Hasil estimasi masih memerlukan validasi lapangan

Description:
Flood inundation was estimated by analyzing changes in backscatter (ΔdB) in Sentinel-1 SAR imagery acquired before (15 November 2025) and after the event (27 November 2025). A decrease in backscatter exceeding the predefined threshold was classified as flooded area. Estimated flood still needed to be verified further

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