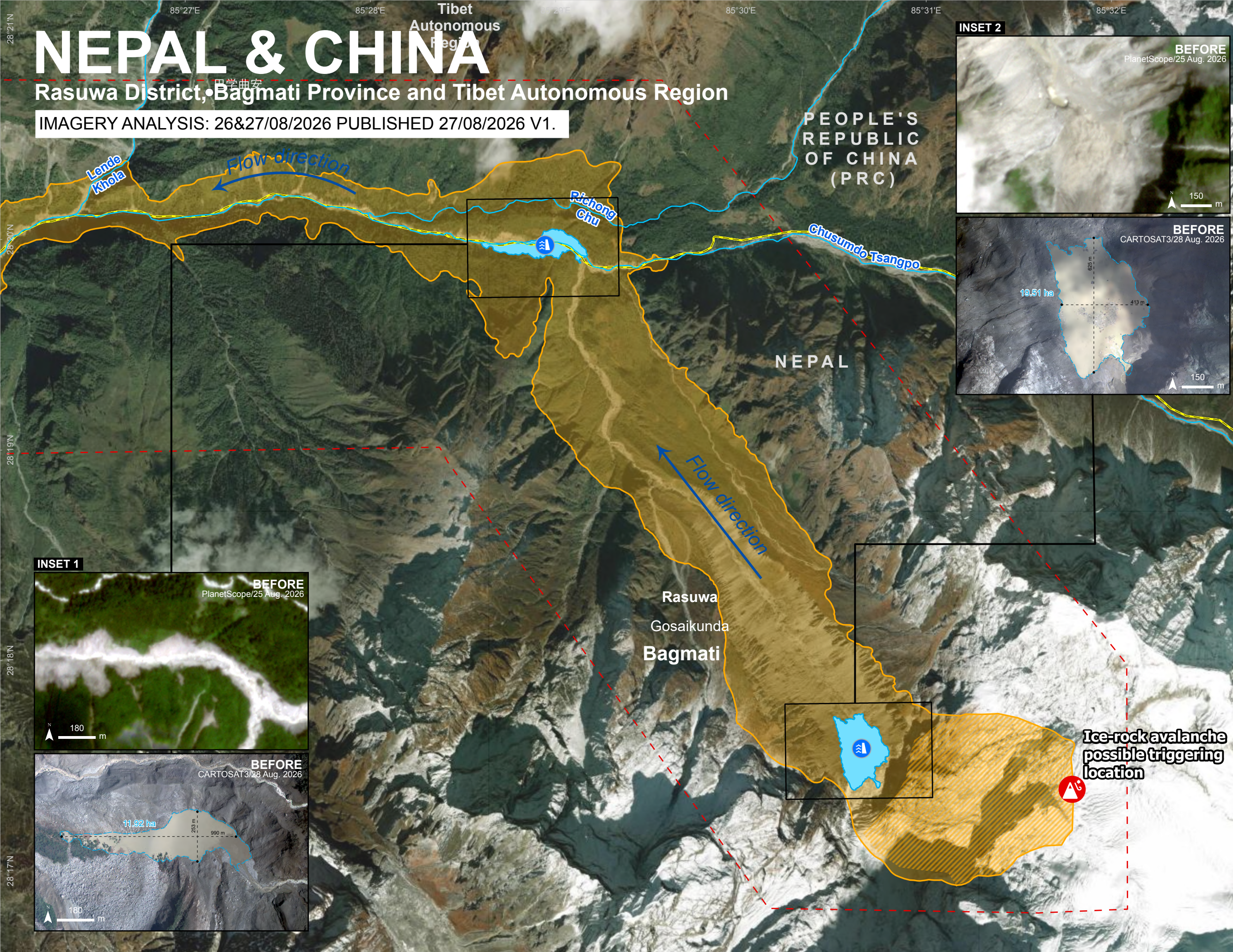


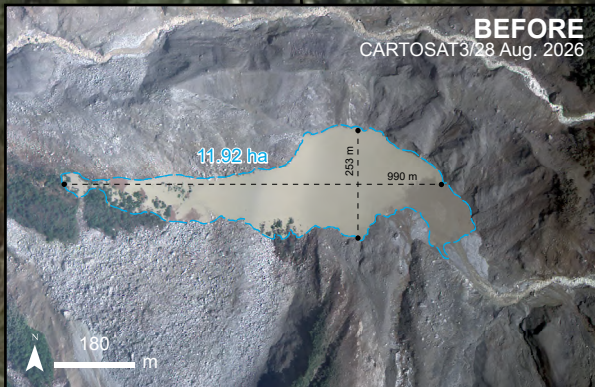
NEPAL & CHINA

Rasuwa District, Bagmati Province and Tibet Autonomous Region

IMAGERY ANALYSIS: 26&27/08/2026 PUBLISHED 27/08/2026 V1.



INSET 1



INSET 2



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Satellite-Detected Newly Formed Barrier Lakes Following an Ice-Rock Avalanche in Rasuwa District, Nepal, as of 28 August 2026

This map illustrates two newly formed barrier lakes detected from CARTOSAT-3 imagery acquired on 28 August 2026. The first barrier lake, with an estimated area of approximately 12 ha, is located near the Nepal–China border, approximately 11 km east of the Rasuwagadhi Friendship Bridge, measured along the Chusumdo Tsangpo River and following the approximate mudflow/rockflow path. The second barrier lake, with an estimated area of approximately 19 ha, is located approximately 2 km west of the potential ice-rock avalanche source area, with the source area situated further east along the river channel.

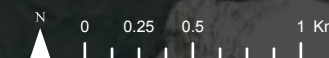
This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to the United Nations Satellite Centre (UNOSAT).

Legend

- City/Town
- Village
- Ice-rock avalanche possible triggering location
- Barrier lake location
- River
- International boundary
- Analysis extent
- Detachment zone [26 Aug. 2026]
- Mudflow/rockflow [26–28 Aug. 2026]
- Barrier lake [28 Aug. 2026]



Map scale for A3: 1:35,000



28°17'N

Spatial Reference
Name: WGS 1984 Web Mercator Auxiliary Sphere
PCS: WGS 1984 Web Mercator Auxiliary Sphere
GCS: GCS WGS 1984
Datum: WGS 1984
Projection: Mercator Auxiliary Sphere
Central Meridian: 0.0000
Latitude of Origin: 0.0000

Satellite Data : PlanetScope
Imagery Date: 26 August 2026 at 05:45 UTC
Resolution: 3 m
Copyright: © Planet Labs Inc. (2026)
Source: PLANET

Satellite Imagery : Landsat-9
Date: 26 August 2026
Resolution: 15 m
Copyright: USGS/NASA Landsat Program
Source: USGS

Satellite Imagery: CARTOSAT 3
Date: 28 August 2026 Resolution: 1.1 m
Copyright: Copyright NRSC (2026)
Source: ISRO

Boundary data: Survey Department of Nepal, contributed by OCHA Field Information Services Section (FISS) (Nepal) and OCHA Regional Office for Asia and the Pacific (ROAP) (China).

Populated place: OpenStreetMap
River: OpenStreetMap
Background: ESRI Basemap
Analysis: United Nations Satellite Centre (UNOSAT)
Production: United Nations Satellite Centre (UNOSAT)

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