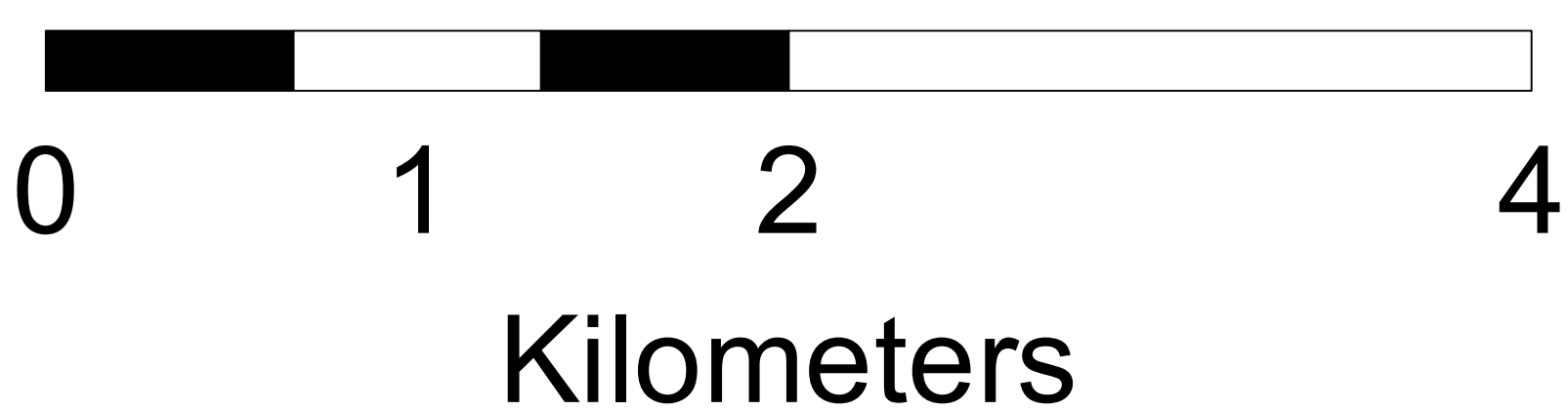
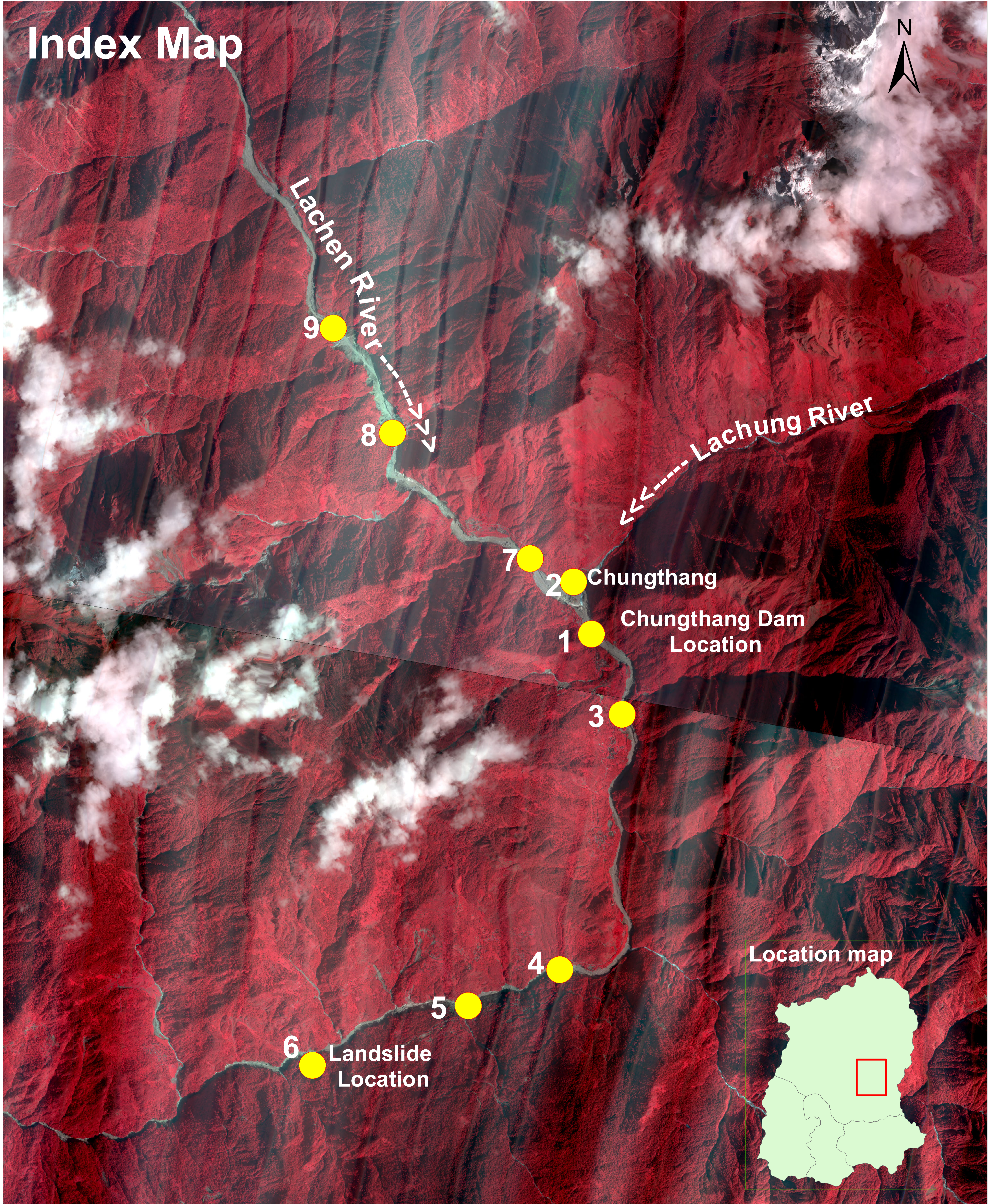


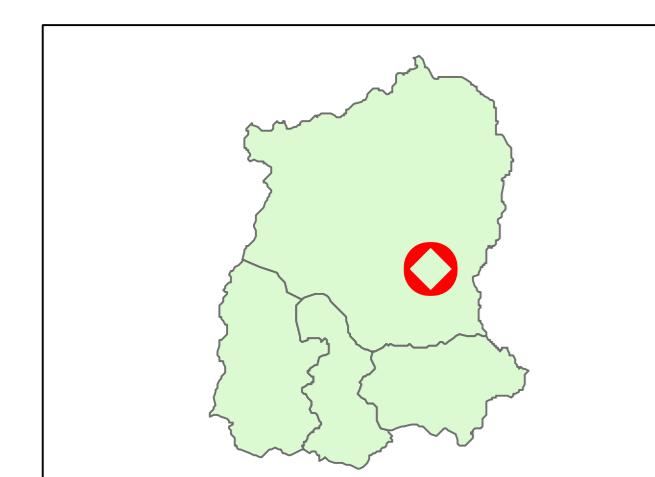
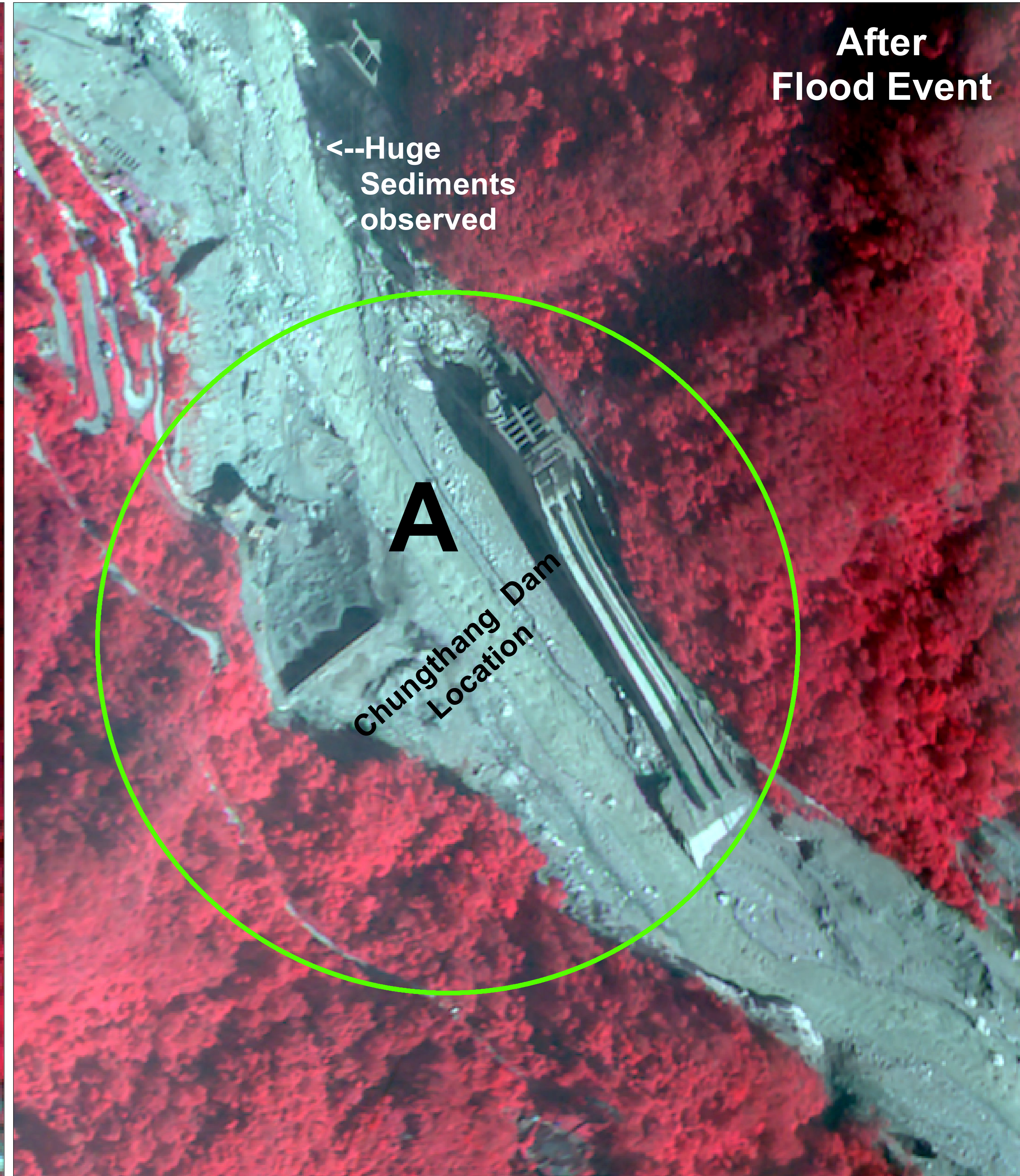
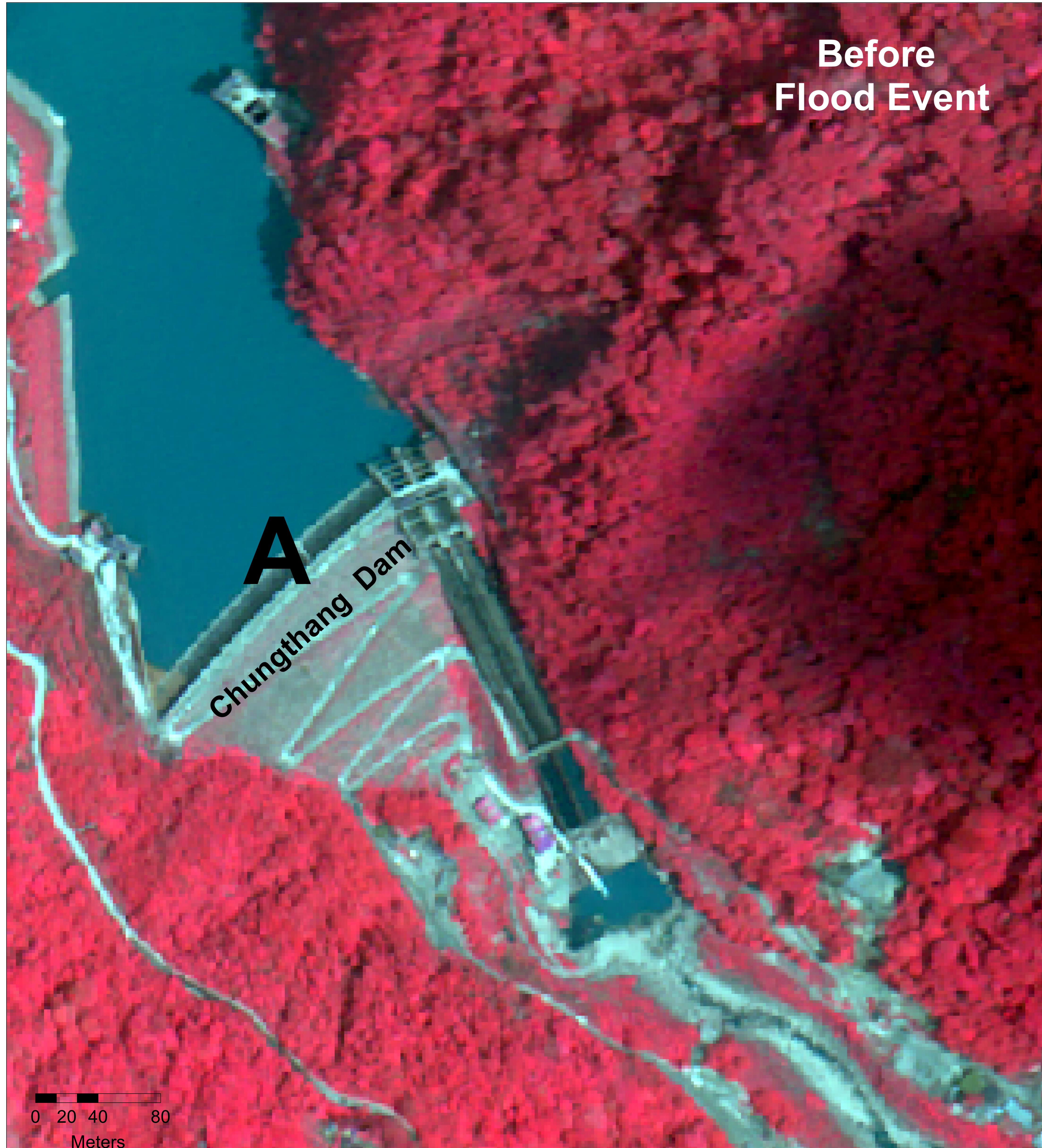
## Cartosat-3 Satellite Image of 13 Oct 2023



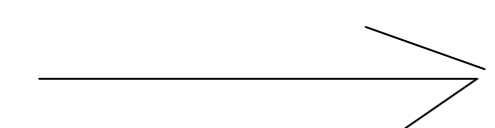
Cartosat-2E Satellite Image of 10 May 2023

Cartosat-3 Satellite Image of 13 Oct 2023

Location -1



**Observations from Satellite image after flood event**

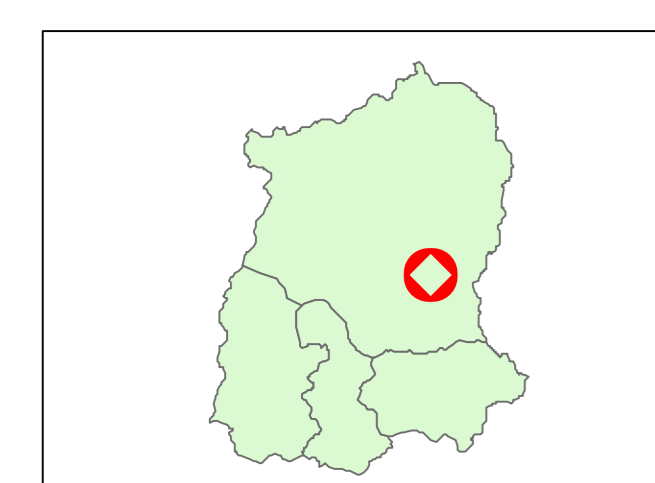
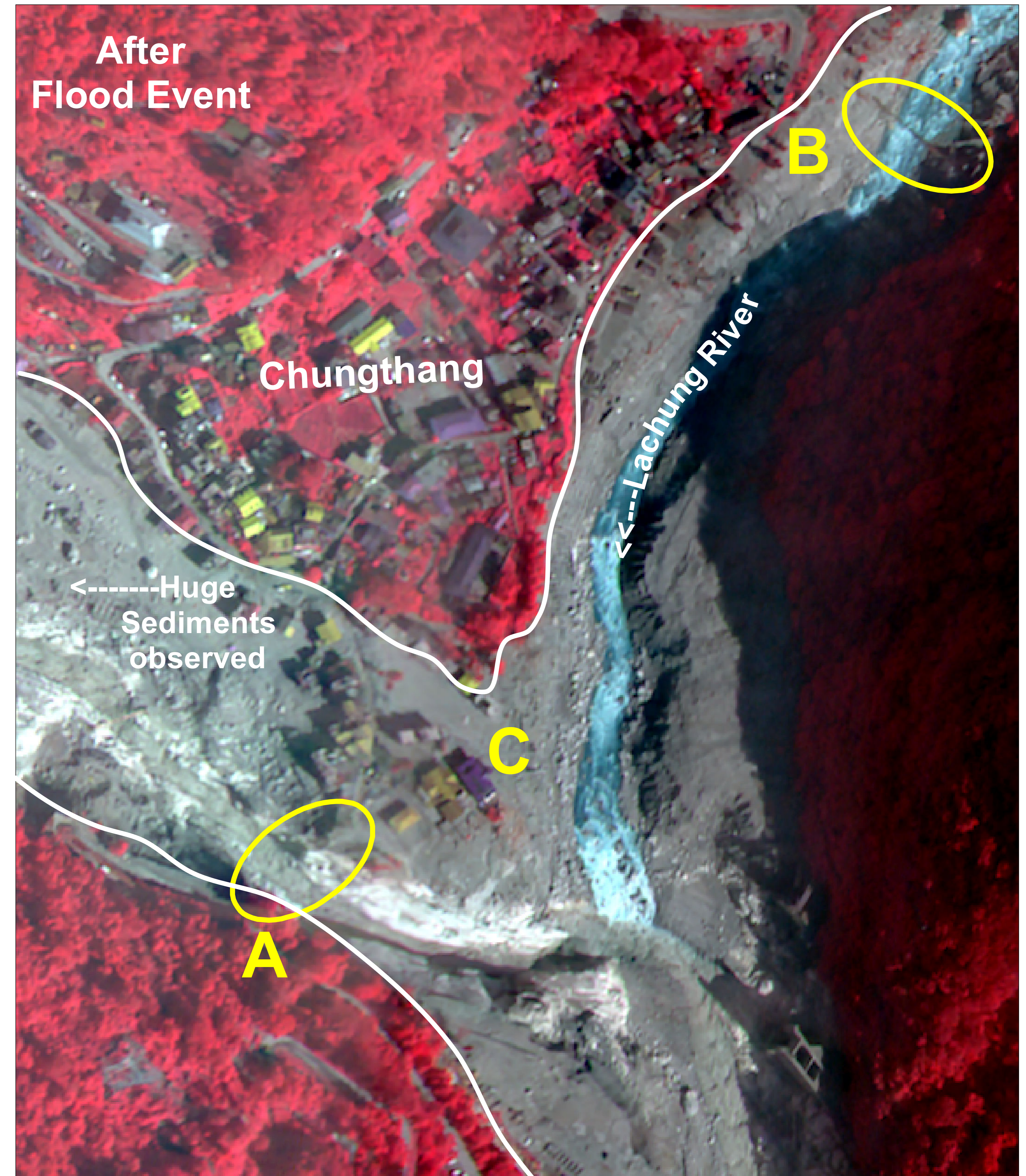
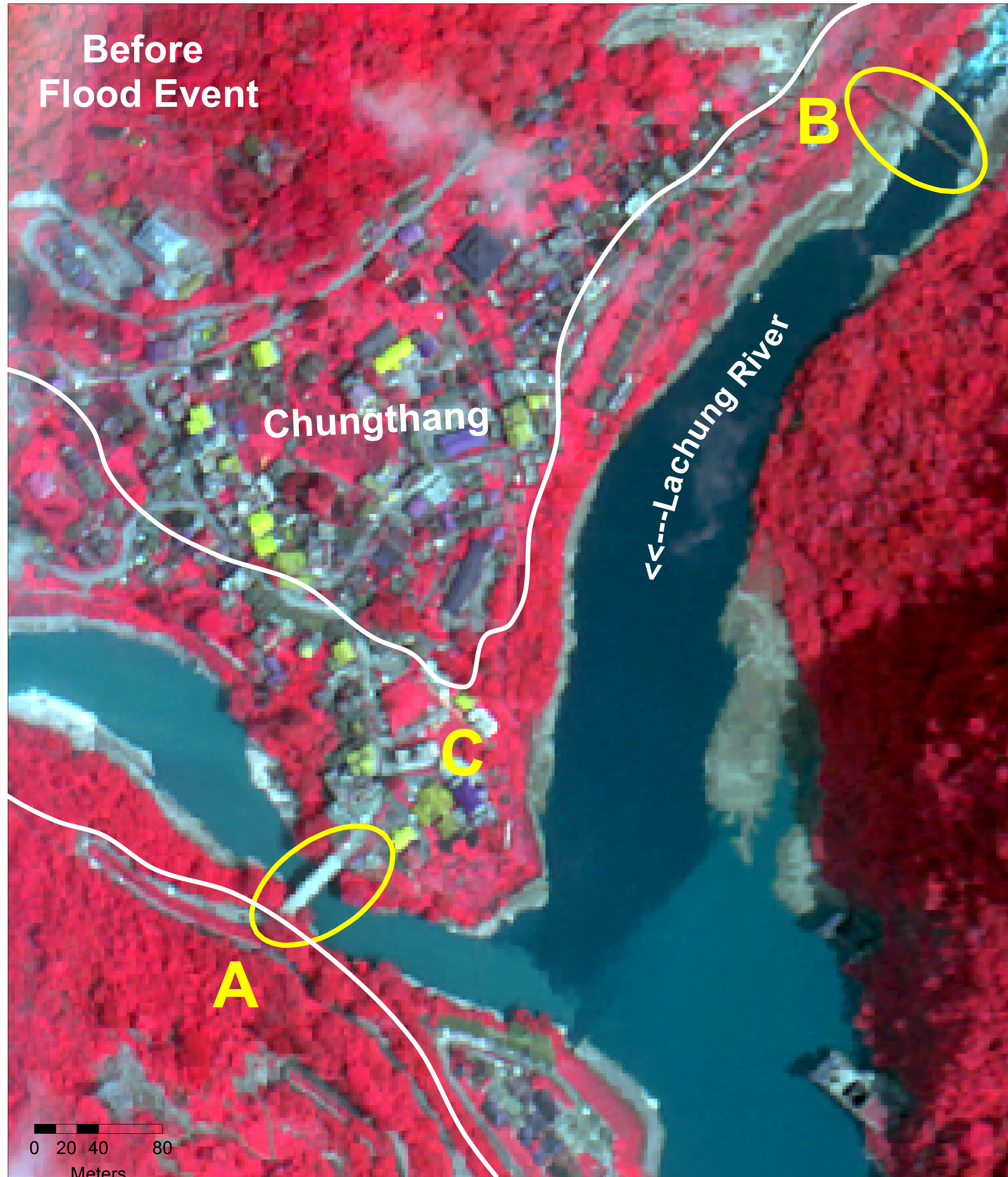


- 1) Collapse of Chungthang Dam is seen clearly at point A.
- 2) Lot of sediments are observed in the upstream and downstream of the dam and surroundings.
- 3) Road network and infrastructure downstream appears to be completely damaged and river channel is filled with sediments and channel is widened after the flood event.

Cartosat-2E Satellite Image of 10 May 2023

Cartosat-3 Satellite Image of 13 Oct 2023

Location -2

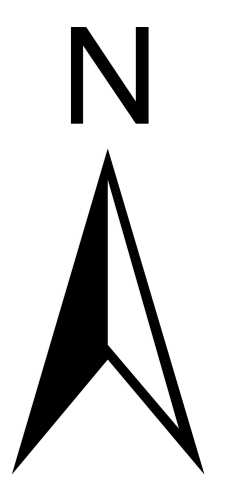
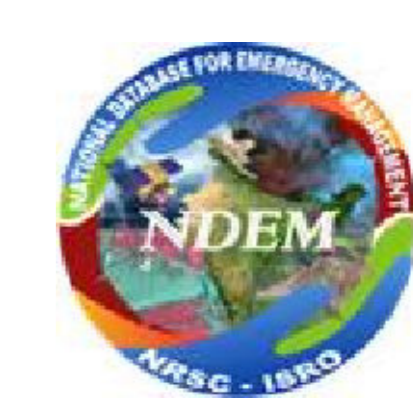


Observations from Satellite image after flood event

- 1) Point A depicts the Collapse of bridges on Gangtok-Chungthang Road (North Sikkim Highway) in the upstream of Chungthang Dam
- 2) Point B depicts collapse of bridge on Lachung River
- 3) Point C depicts the deposition of huge sediments in settlement areas and along the river reach

# Chunghang Dam Surroundings

Satellite Image over downstream of Chunghang Dam as on 13 Oct 2023



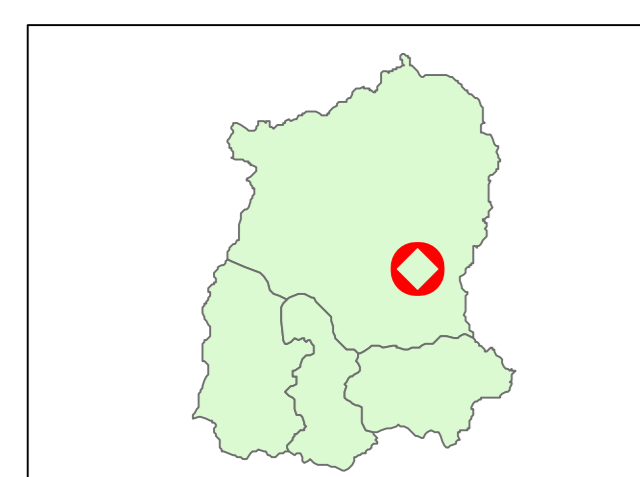
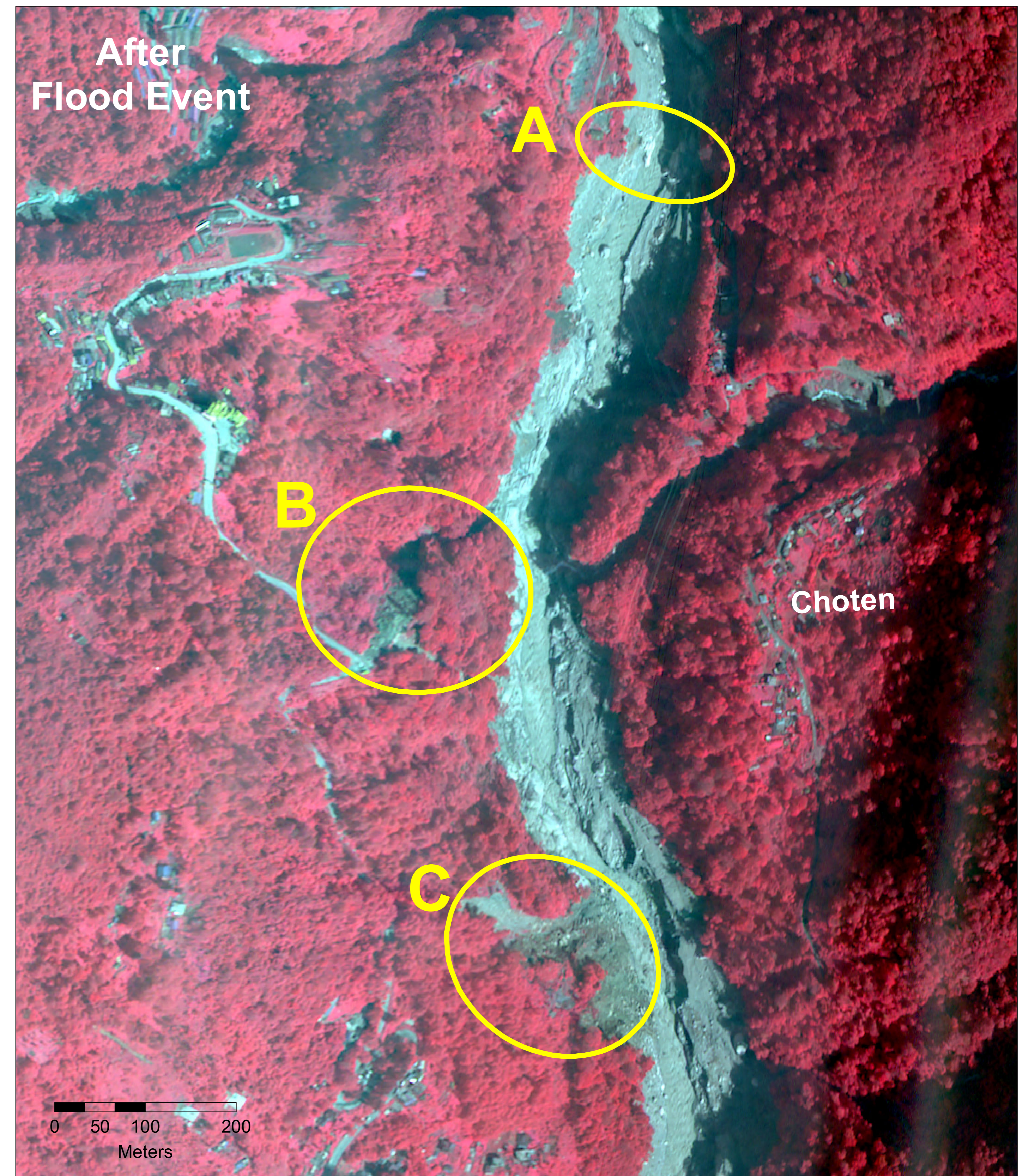
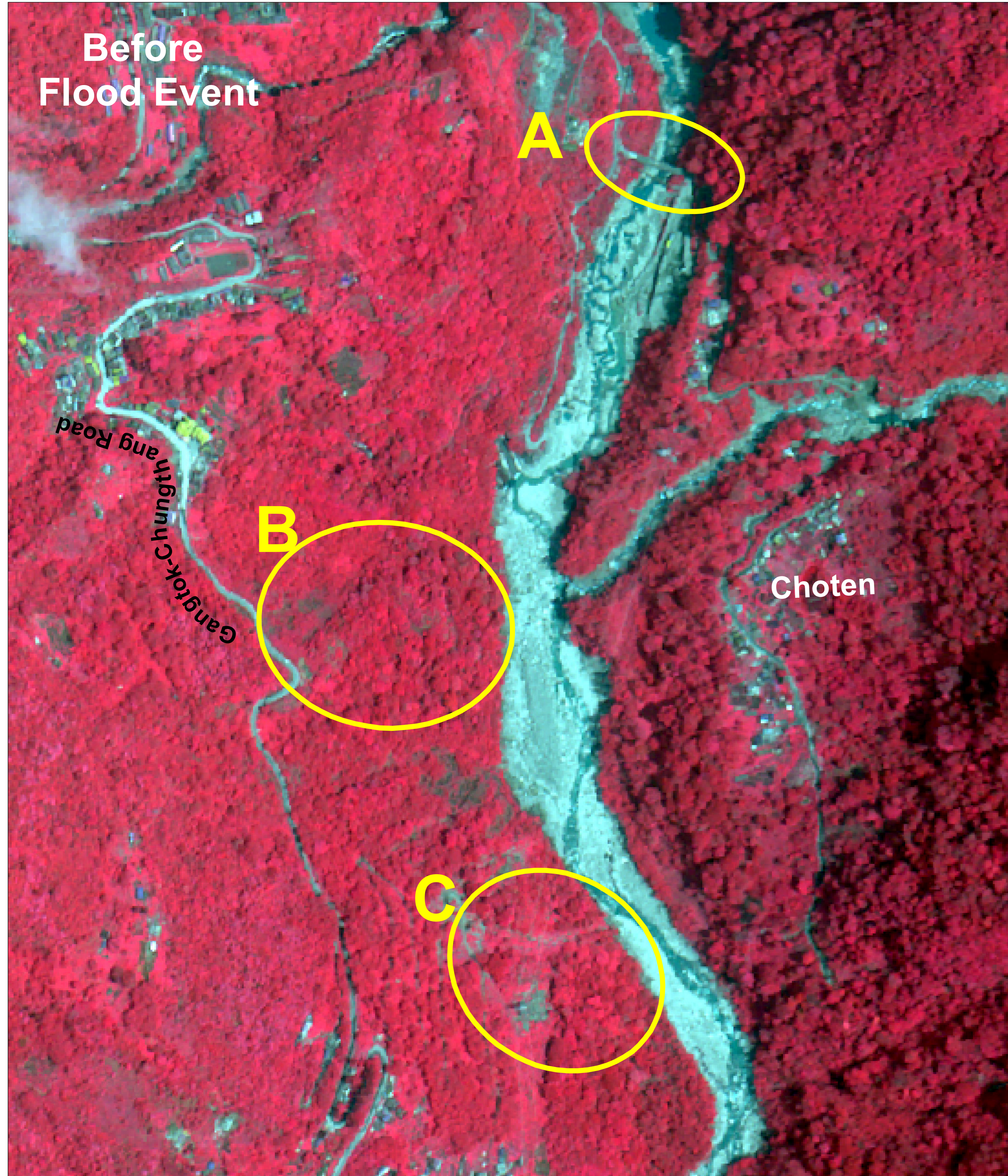
ID: 2023/FL/SIK/18-VAP/13102023

Date of Issue: 14.10.2023

Cartosat-2E Satellite Image of 10 May 2023

Cartosat-3 Satellite Image of 13 Oct 2023

Location -3

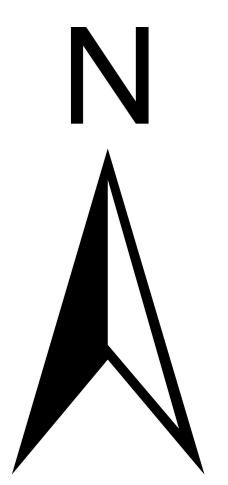


Observations from Satellite image after flood event

- 1) Point A ( 27.591° N, 88.656° E) depicts the Collapse of bridge in the downstream of Chunghang Dam
- 2) Regions B( 27.587° N, 88.654° E) and C (27.583° N, 88.656° E ) appears to be landslides

# Chungthang Dam Downstream

Satellite Image over Chungthang dam surroundings as on 13 Oct 2023



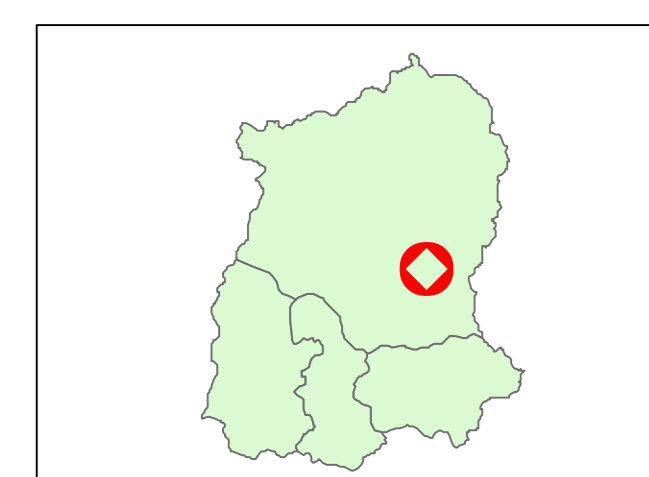
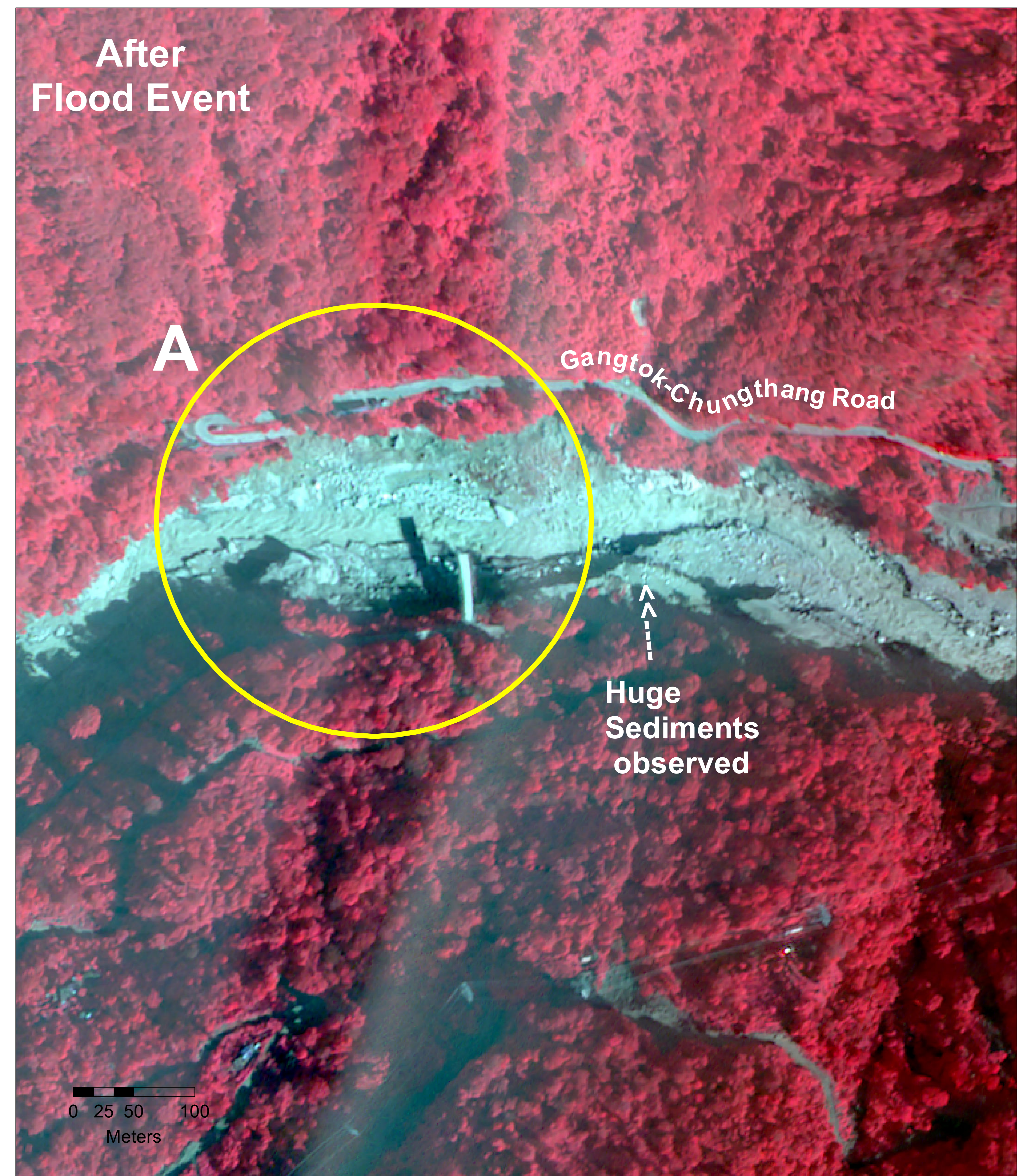
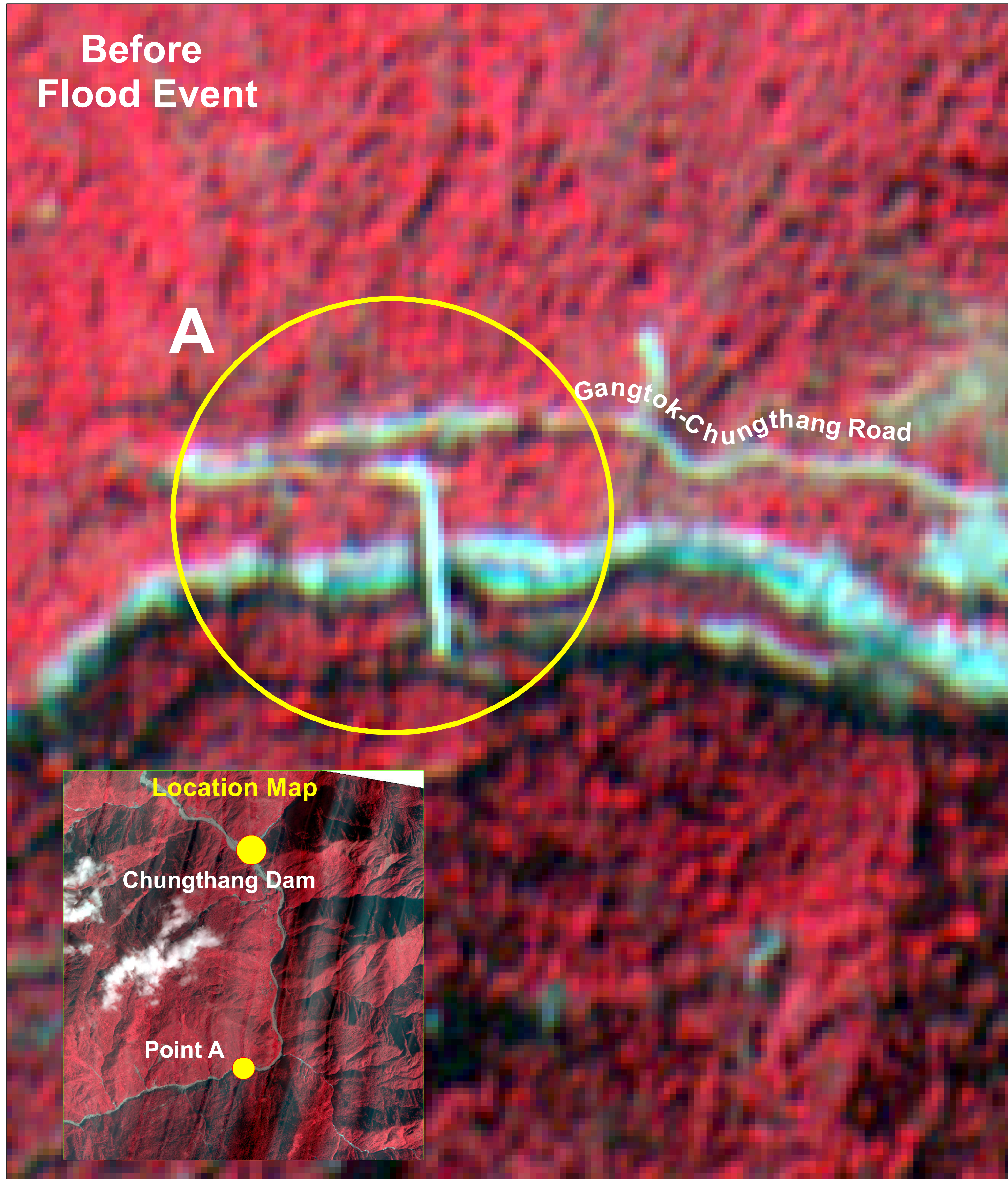
ID: 2023/FL/SIK/19-VAP/13102023

Date of Issue: 14.10.2023

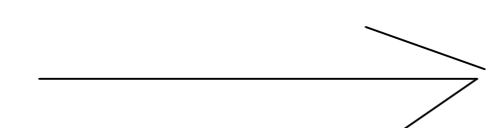
Resourcesat-2A Satellite Image of 3 Mar 2023

Cartosat-3 Satellite Image of 13 Oct 2023

Location -4



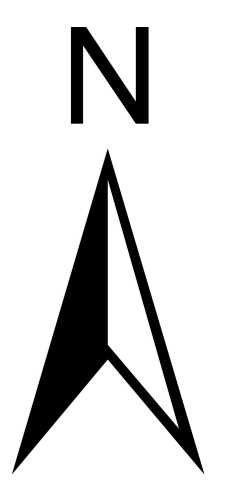
Observations from Satellite image after flood event



- 1) Satellite image shows the Collapse of bridge (27.550 °N, 88.645 ° E) on Gangtok-Chungthang Road ( North Sikkim Highway) near Toong Village 6 Km (Approx.) in the downstream of Chungthang Dam.
- 2) Huge Sediments in the river course is observed.

# Chunghang Dam Downstream

Satellite Image over Chunghang dam Surrounding as on 13 Oct 2023



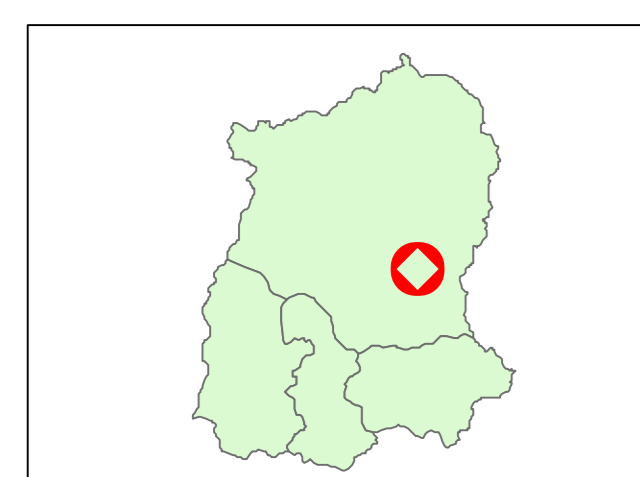
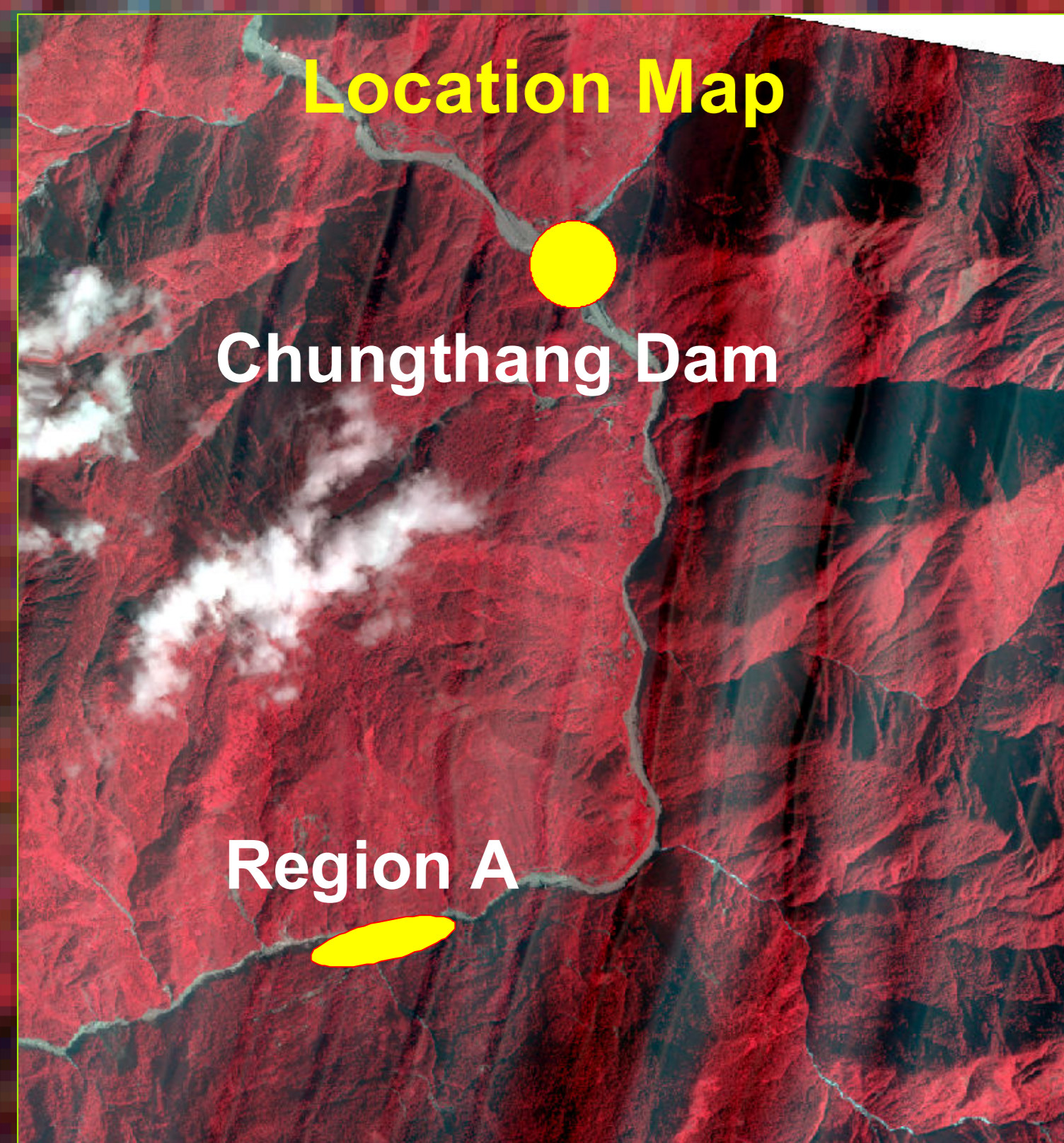
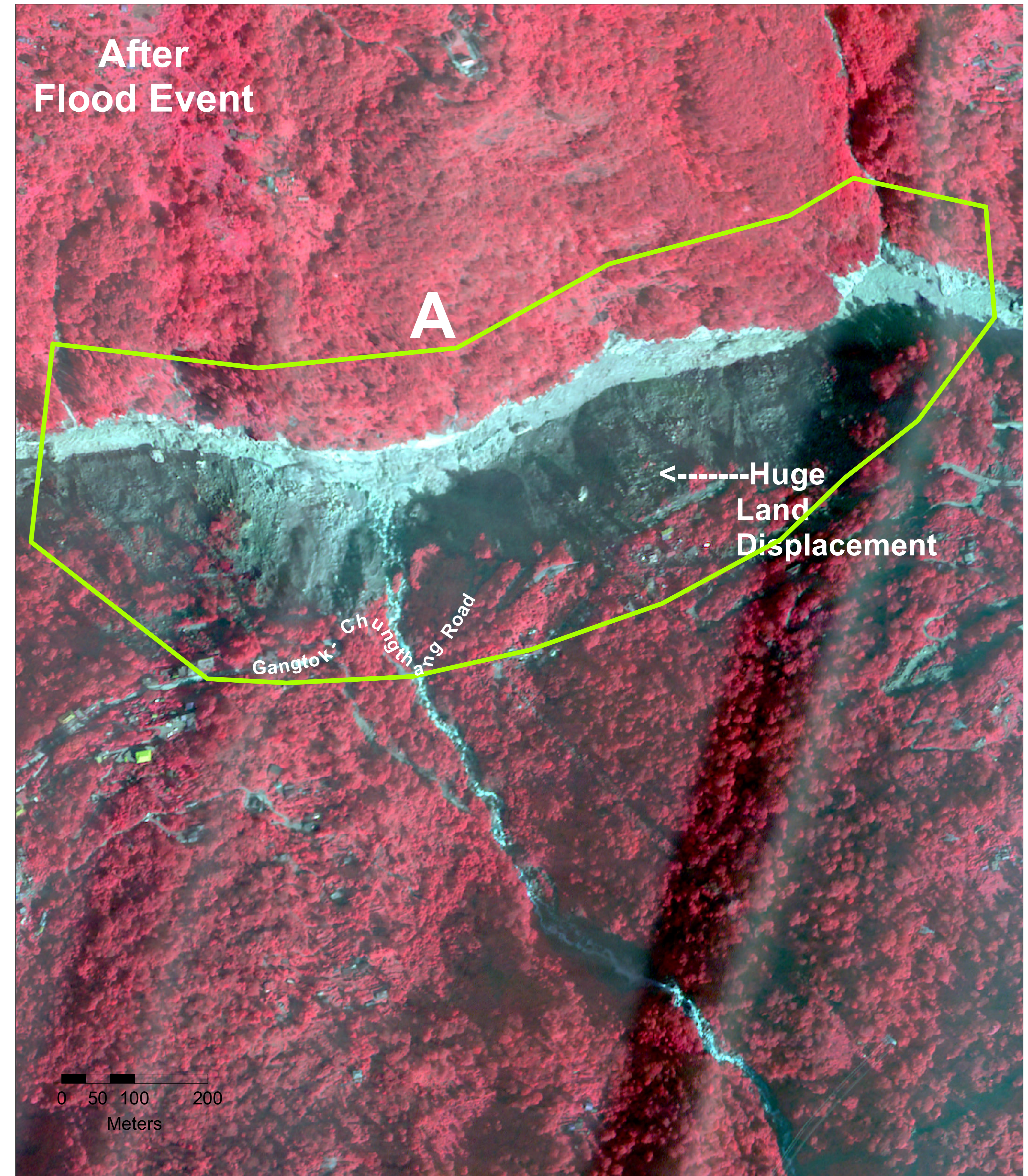
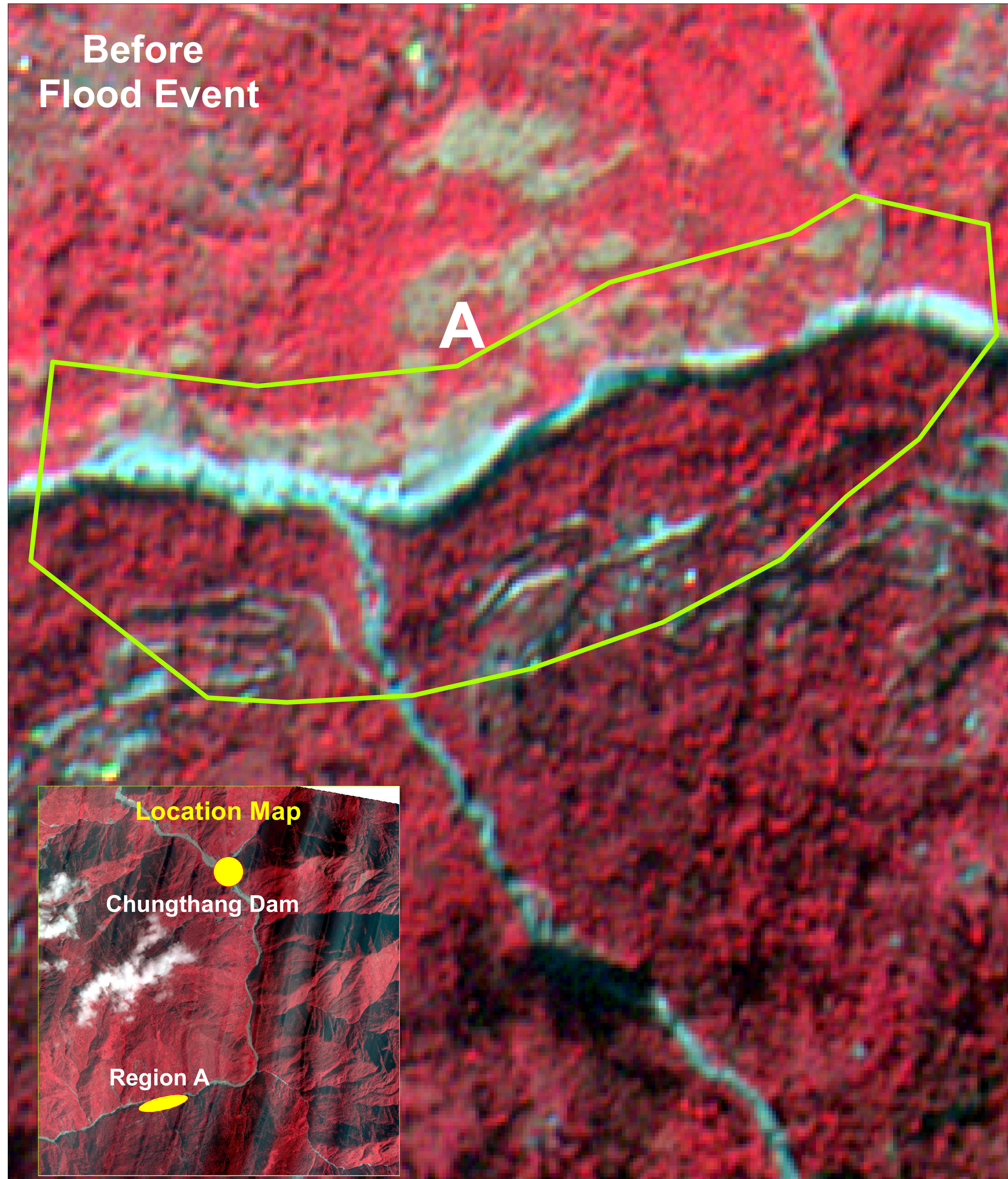
ID: 2023/FL/SIK/20-VAP/13102023

Date of Issue: 14.10.2023

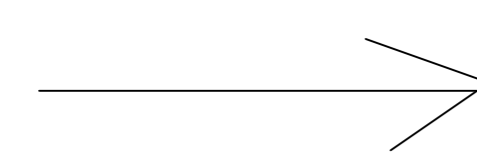
Resourcesat-2A LISS-IV Satellite Image of 3 Mar 2023

Cartosat-3 Satellite Image of 13 Oct 2023

**Location -5**



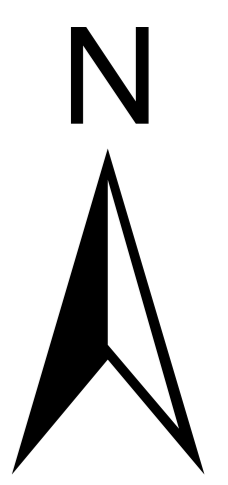
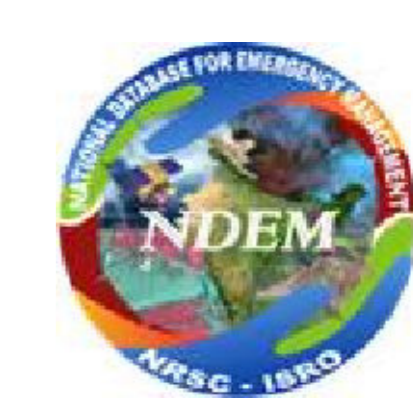
Observations from Satellite image after flood event



1) Region A (27.545 °N, 88.632 ° E) depicts huge landslides along the river course in the 7Km (Approx.) downstream of Chunghang Dam affecting roads/settlements

# Chungthang Dam Downstream

Satellite Image over Chungthang dam Surrounding as on 13 Oct 2023



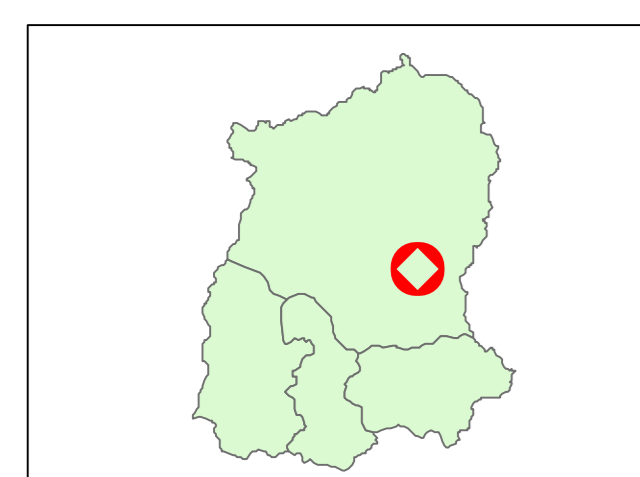
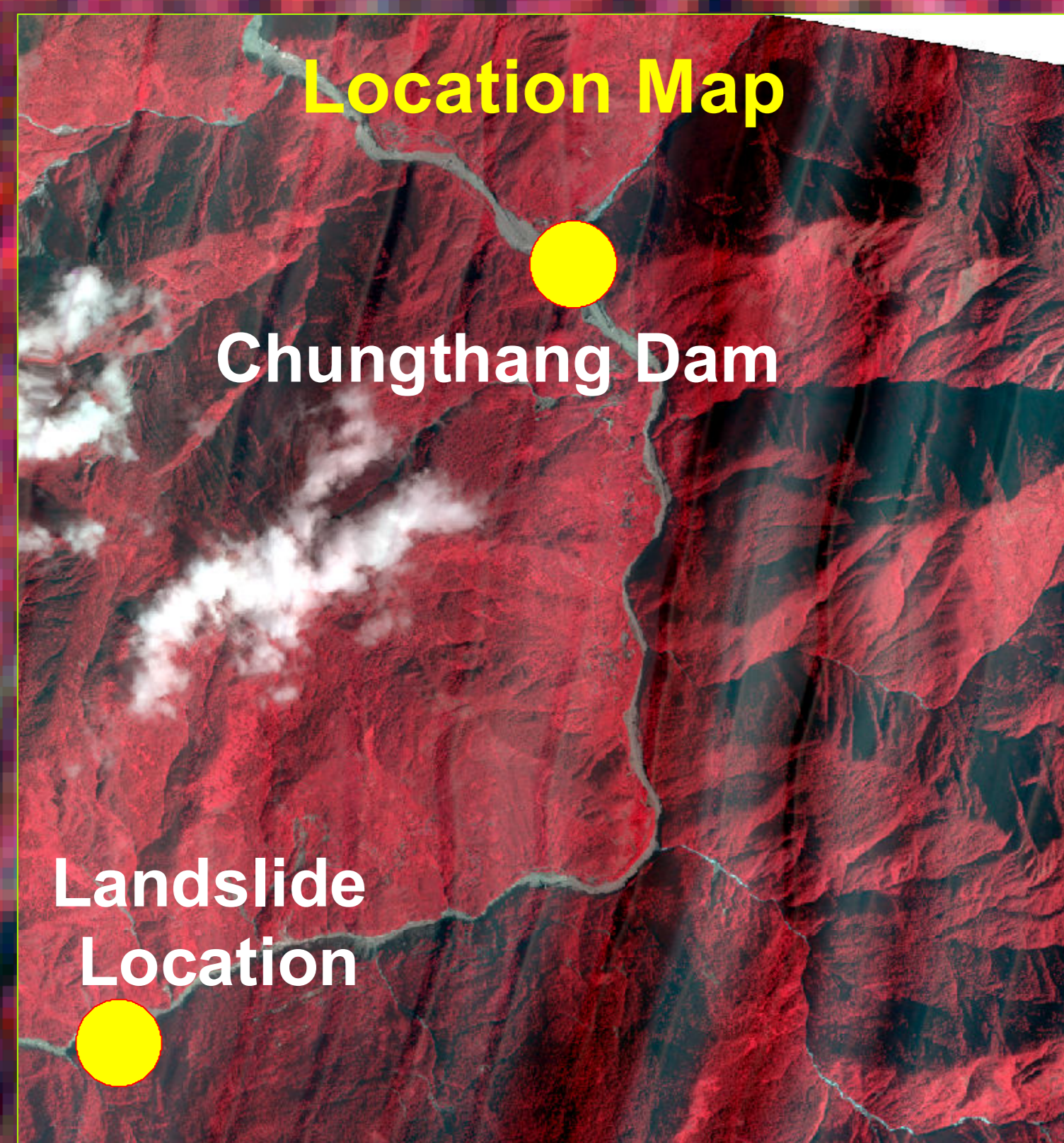
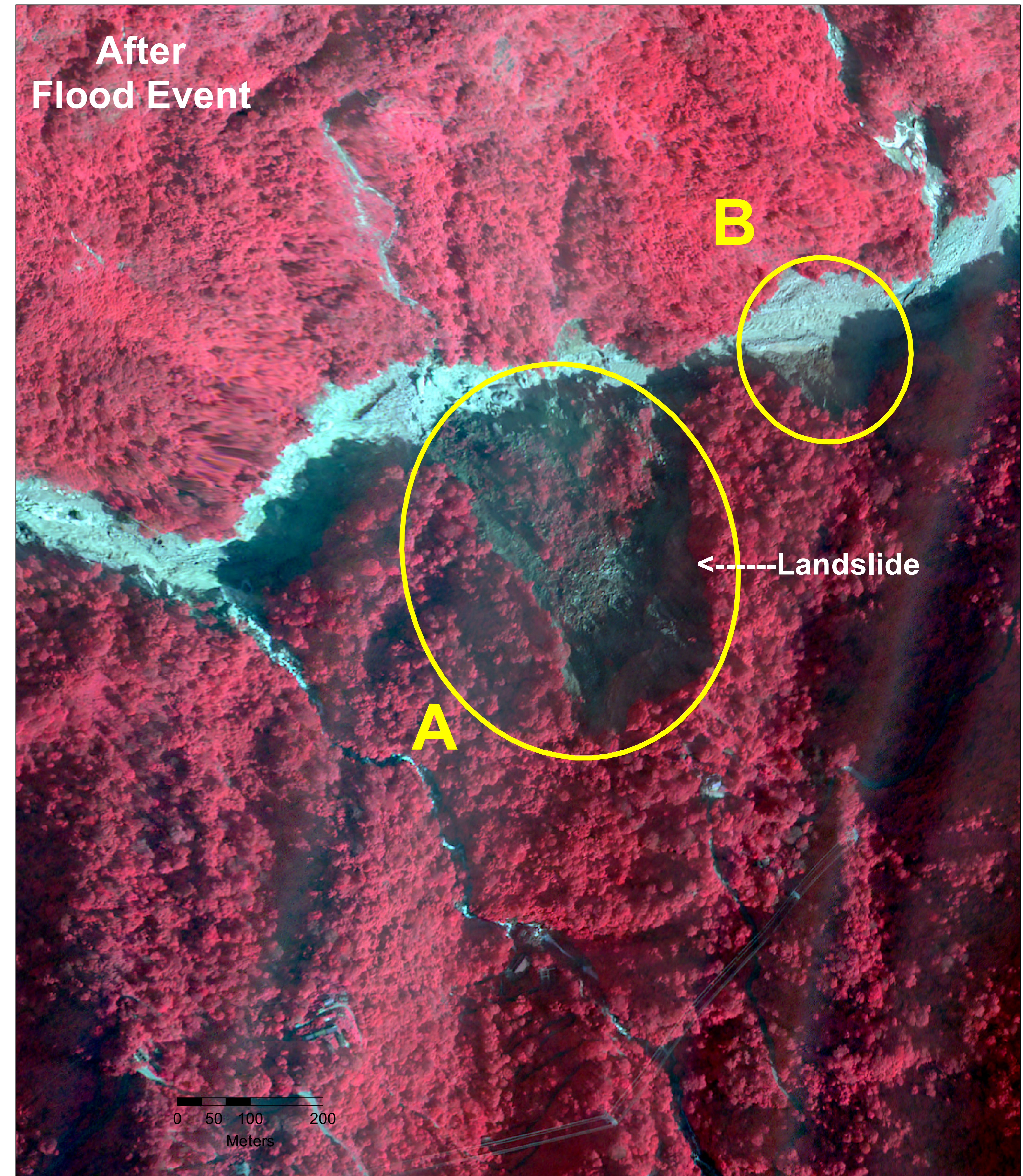
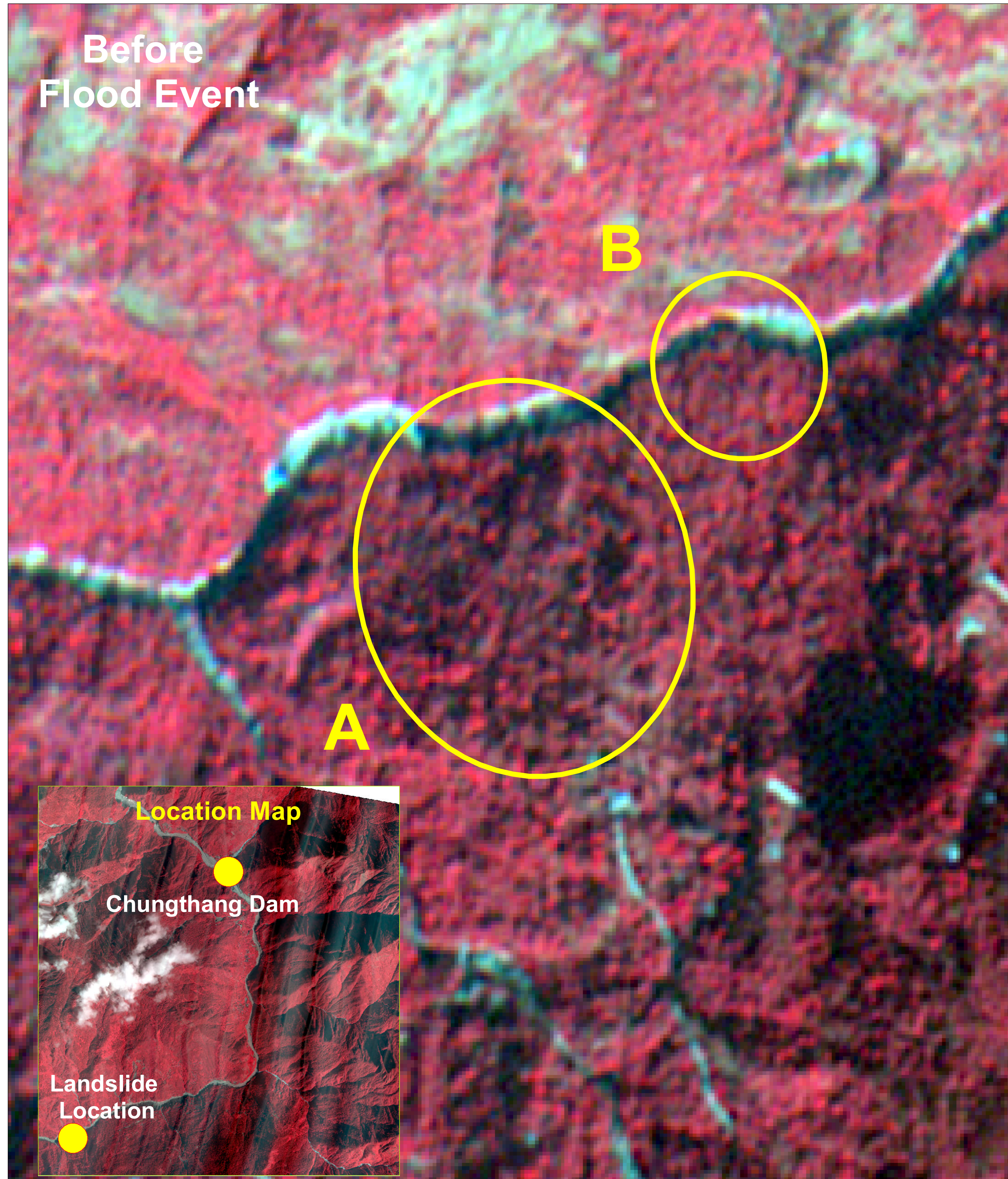
ID: 2023/FL/SIK/21-VAP/13102023

Date of Issue: 14.10.2023

Resourcesat-2A LISS-IV Satellite Image of 3 Mar 2023

Cartosat-3 Satellite Image of 13 Oct 2023

**Location -6**



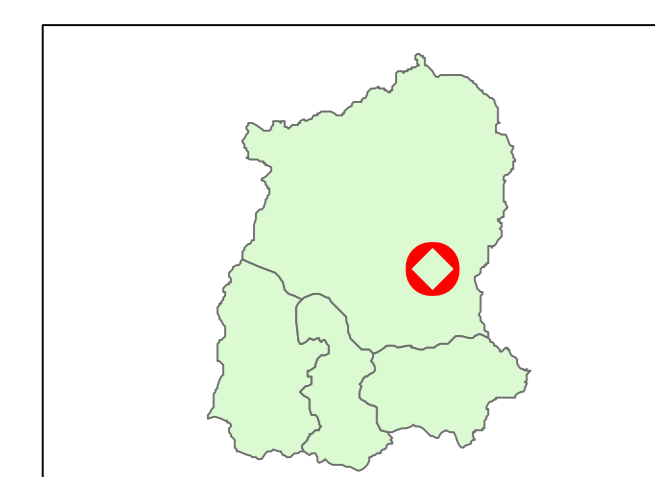
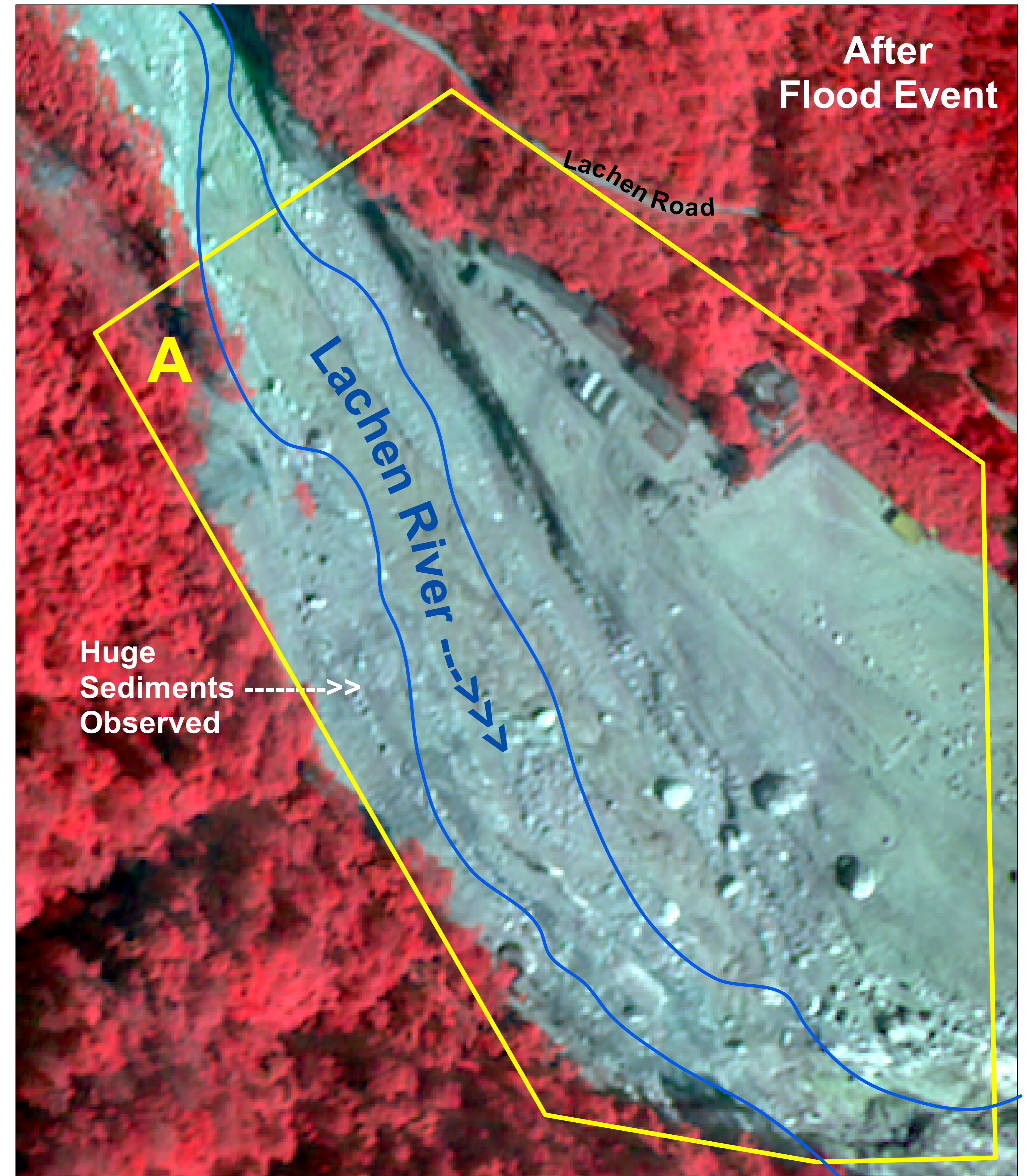
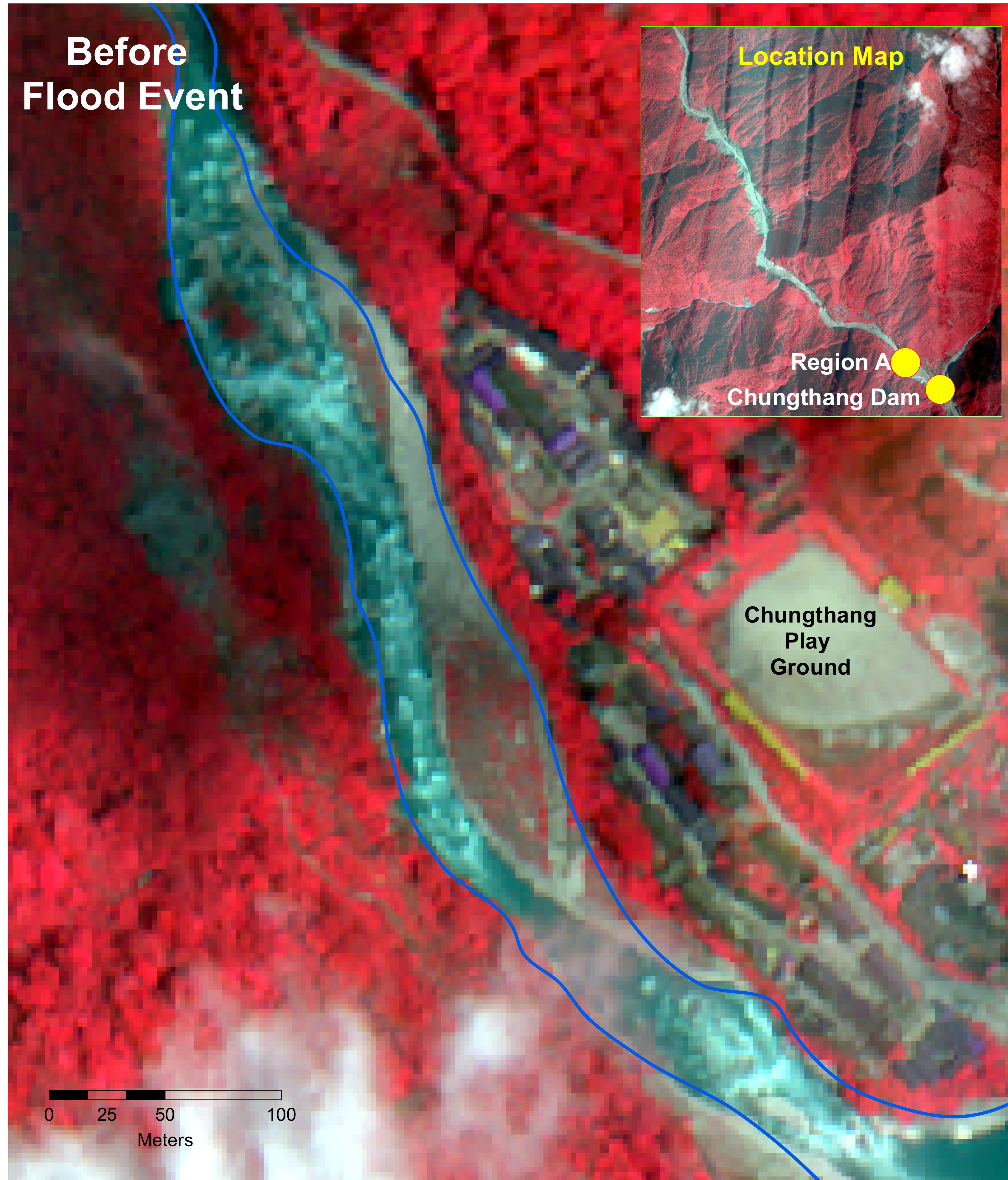
Observations from Satellite image after flood event

1) Regions A (27.537 °N, 88.605 ° E) and B (27.538 °N, 88.609 ° E) appears to be Landslides at the left side of the river near Naga North Sikkim which is 11 Km (Approx.) downstream of Chungthang Dam.

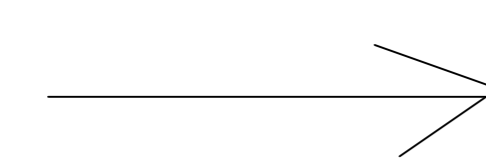
Cartosat-2E Satellite Image of 10 May 2023

Cartosat-3 Satellite Image of 13 Oct 2023

Location -7



Observations from Satellite image after flood event

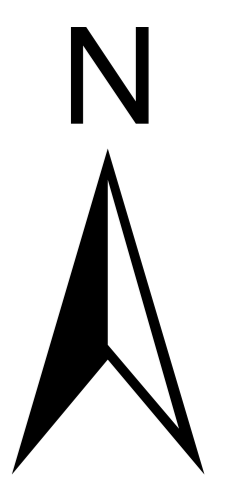
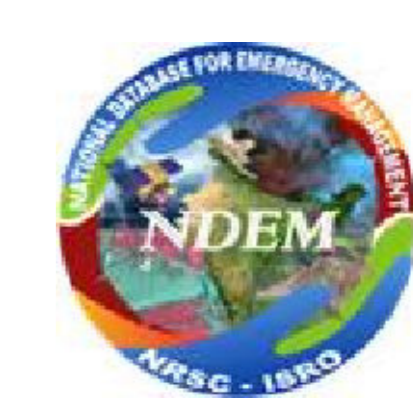


Region A (27.604 °N, 88.644 ° E) from the Satellite Image depicts huge sediment deposition along the river course disrupting the urban / rural/ road infrastructure in the upstream of Chunghang Dam.



# Chungthang Dam Upstream

Satellite Image over Chungthang dam surroundings as on 13 Oct 2023



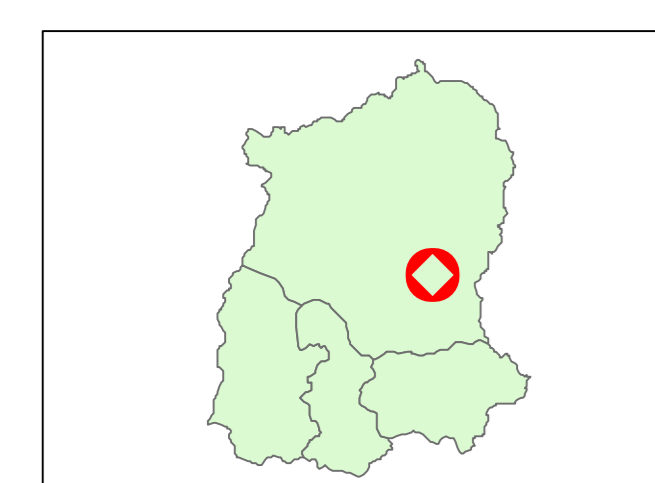
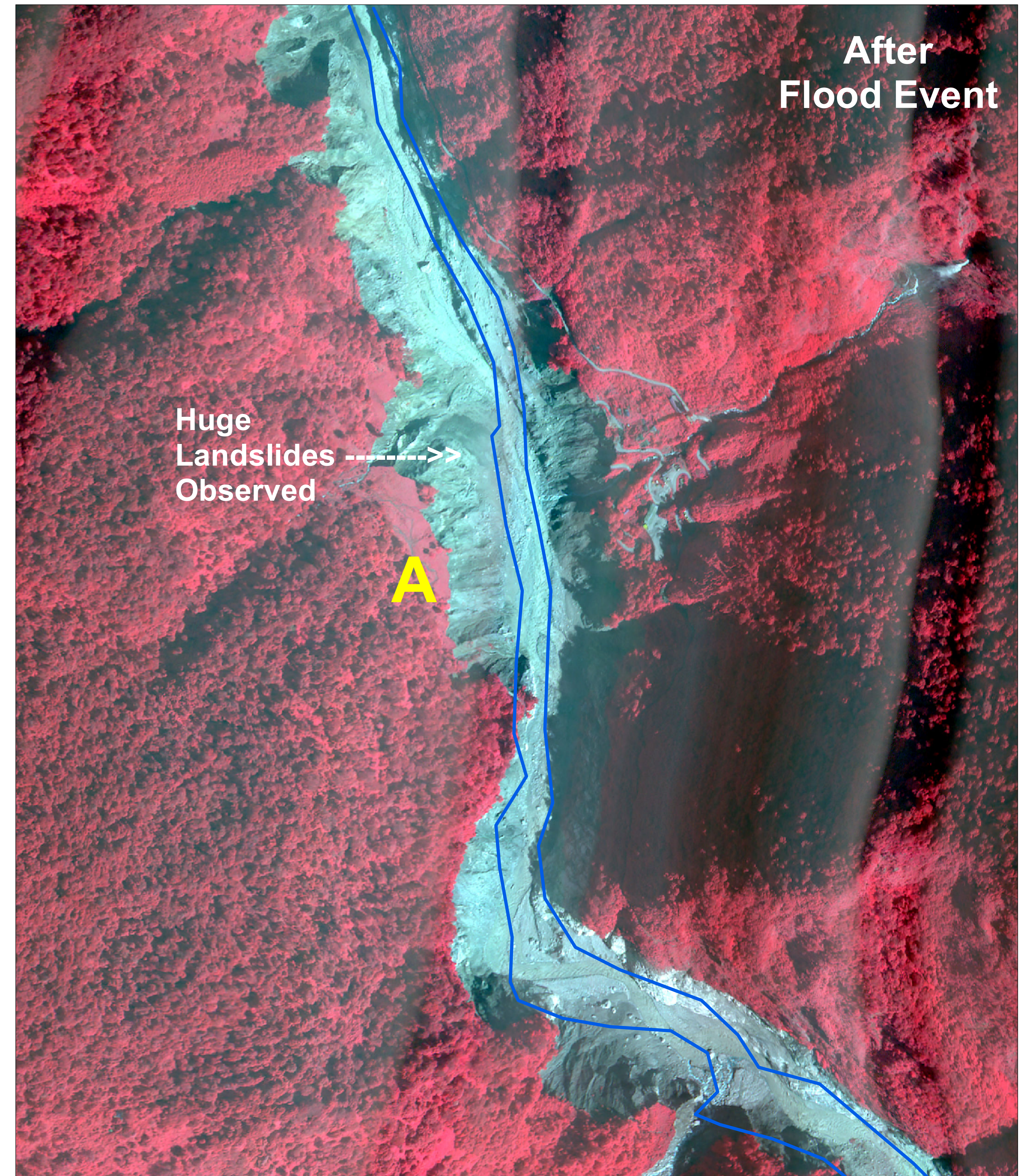
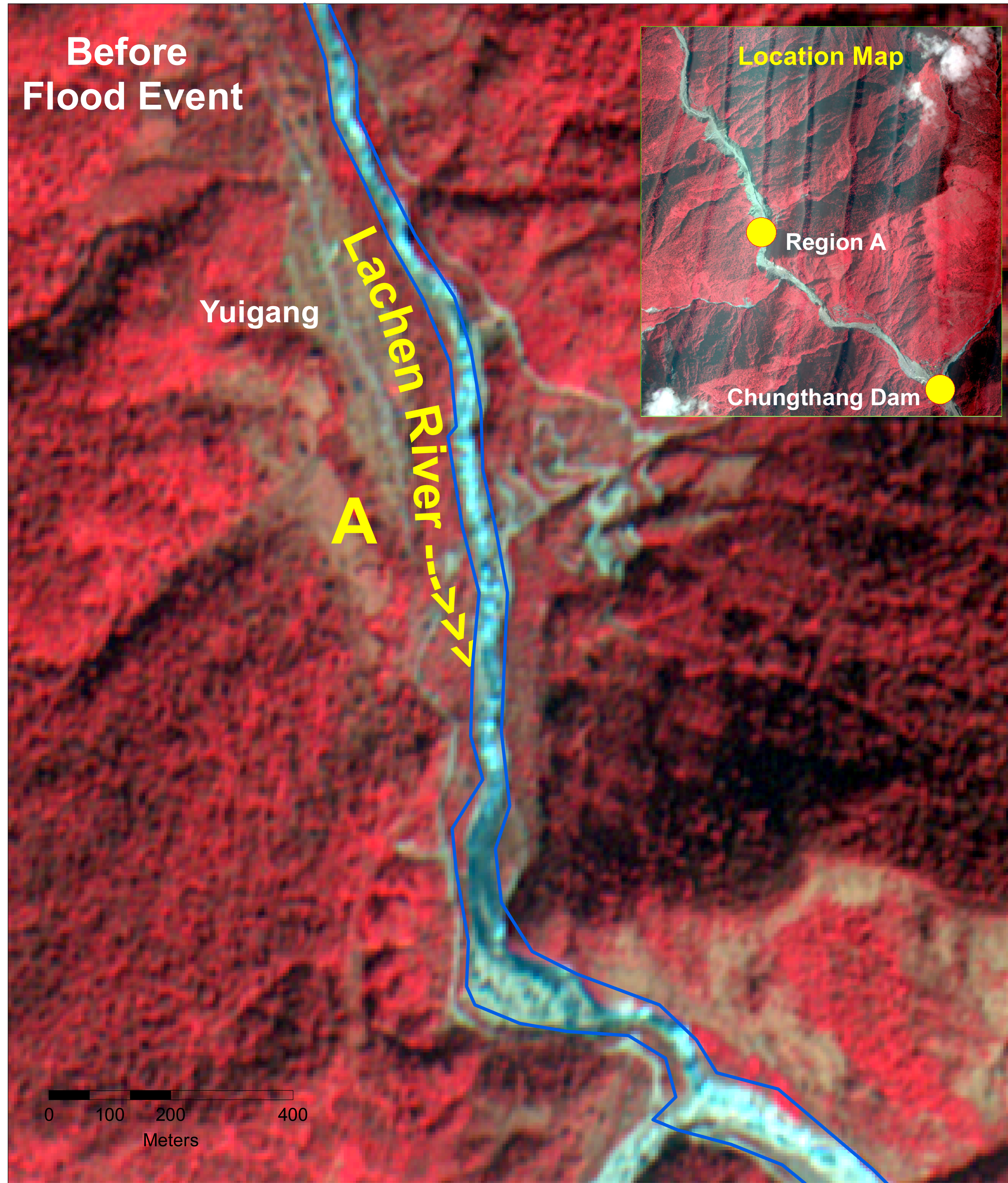
ID: 2023/FL/SIK/23-VAP/13102023

Date of Issue: 14.10.2023

Resourcesat-2A LISS-IV Satellite Image of 03 Mar 2023

Cartosat-3 Satellite Image of 13 Oct 2023

Location -8



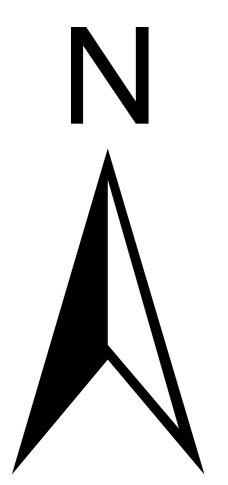
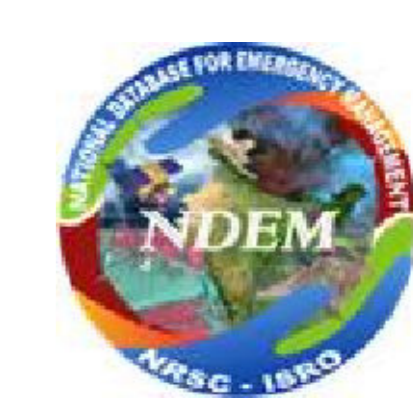
Observations from Satellite image after flood event



Region A (27.620 °N, 88.619 ° E) from the Satellite Image appears to be Landslide along the river course disrupting urban / rural / road infrastructure near Yuigang Village in the upstream of Chungthang Dam.

# Chungthang Dam Upstream

Satellite Image over Chungthang dam surroundings as on 13 Oct 2023



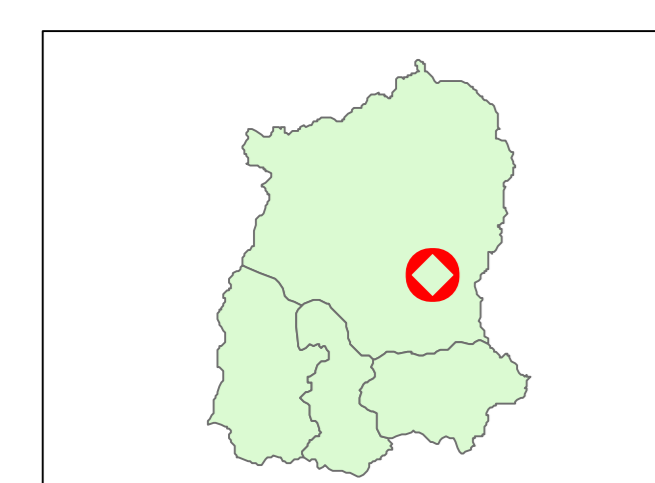
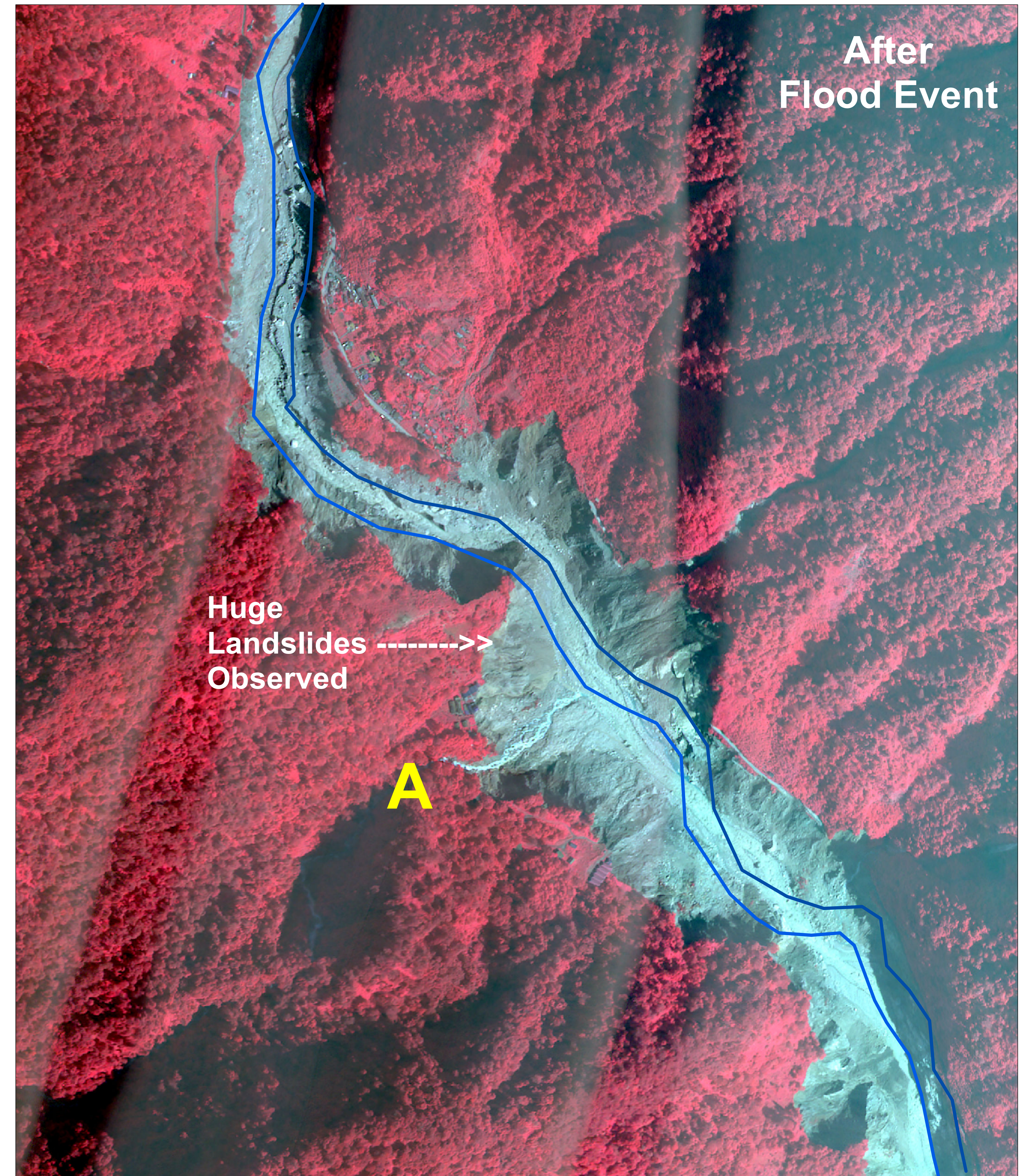
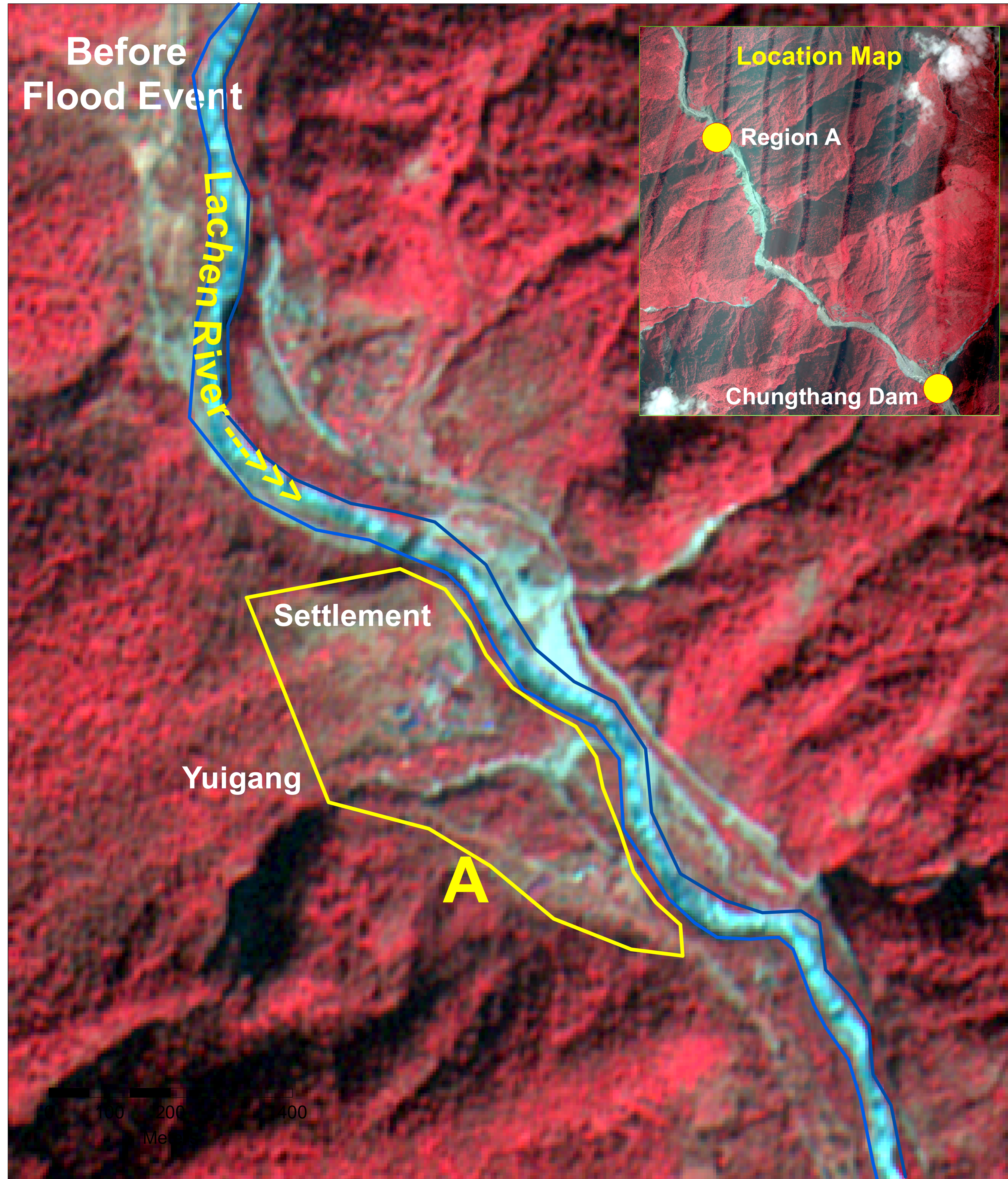
ID: 2023/FL/SIK/24-VAP/13102023

Date of Issue: 14.10.2023

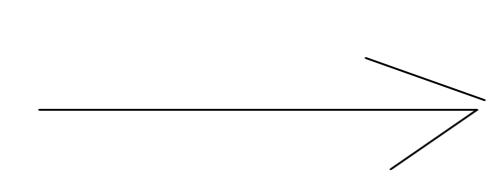
Resourcesat-2A LISS-IV Satellite Image of 03 Mar 2023

Cartosat-3 Satellite Image of 13 Oct 2023

**Location -9**



Observations from Satellite image after flood event



Region A (27.640° N, 88.611° E) from the Satellite Image appears to be landslide affecting settlements / infrastructure along the river course near Yuigang Village in the upstream of Chungthang Dam.