PRELIMINARY SATELLITE-DERIVED LANDSLIDE IMPACT ASSESSMENT

Mount Talakmau in Sumatra Barat Province, Indonesia

24 MARCH 2022

Status: No landslide induced dam (natural dam) observed nearby the Mount Talakmau
INDONESIA

AREA OF INTEREST

Mount Talakmau
2,890 m

WEST SUMATERA PROVINCE
**INDONESIA**

**Area of Interest**

**Province boundary**

**LEGEND**

- Mainshock epicentre
- Town/Village
- Province boundary
- Area of Interest

**Background:** ESRI Basemap, Topography

- **2022-03-05 12:02:41 (UTC)**
  - 5.5 Magnitude

- **2022-03-01 11:04:11 (UTC)**
  - 5.1 Magnitude

- **2022-03-05 13:33:23 (UTC)**
  - 5.1 Magnitude

- **2022-02-25 01:42:59 (UTC)**
  - 5.1 Magnitude

- **2022-03-05 13:33:23 (UTC)**
  - 5.0 Magnitude

- **2022-02-25 01:39:27 (UTC)**
  - 6.2 Magnitude

- **2022-02-25 01:42:59 (UTC)**
  - 5.1 Magnitude

**Mount Talakmau**

- 2,890 m

**WEST SUMATERA PROVINCE**

**2022-03-01 11:04:11 (UTC)**

**2022-03-05 12:02:41 (UTC)**

**2022-02-25 01:42:59 (UTC)**

**2022-02-25 01:39:27 (UTC)**

**2022-02-25 01:35:50 (UTC)**

**5.0 Magnitude**

**5.1 Magnitude**

**5.2 Magnitude**

**5.5 Magnitude**
MOUNT TALAKMAU, WEST SUMATRA PROVINCE

No natural dam observed on the Mount Talakmau

Sentinel-2 image acquired on 24 March 2022
Image Center : 99°59'13.331"E  0°4'41.769"N
MOUNT TALAKMAU, LUBUK SIKAPING SUB DISTRICT, PASAMAN DISTRICT, SUMATERA BARAT PROVINCE

No natural dam observed around top of Mount Talakmau

Sentinel-2 / 13 January 2022

Sentinel-2 / 24 March 2022
MOUNT TALAKMAU, WEST SUMATRA PROVINCE

No natural dam observed on the Mount Talakmau

Sentinel-2 image acquired on 24 March 2022
Image Center: 0°04'43.9"N 100°00'32.6"E

Mount Talakmau:
- 2,890 m
- 2,300 m
- 2,000 m
- 990 m
- 650 m
- 750 m
- 900 m
- 1,050 m

Mount Talakmau Sentinel-2 image acquired on 24 March 2022
Image Center: 0°04'43.9"N 100°00'32.6"E
No natural dam observed on the Mount Talakmau
MOUNT TALAKMAU, WEST SUMATRA PROVINCE

No natural dam observed on the Mount Talakmau

Sentinel-2 image acquired on 24 March 2022
Image Center: 0°03'49.9"N 99°58'50.6"E
Summary Of Findings

• No landslide induced dam (natural dam) could be observed in the analyzed area around the Mount Talakmau as of 24 March 2022.

• No additional landslides were observed from the image acquired on 24 March 2022.
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Data sources:

(1) Satellite Image (Post-event)
Sentinel-2B / 24 March 2022 about 03:26 UTC
Resolution: 10 m
Copyright: Contains modified Copernicus Sentinel Data [2022]
Source: ESA

(2) Satellite Image (Pre-event)
Sentinel-2B / 13 January 2022 at 03:31 UTC
Resolution: 10 m
Copyright: Contains modified Copernicus Sentinel Data [2022]
Source: ESA

(3) Ancillary data
Mainshock epicentre: National Earthquake Information Center (NEIC) – USGS
Administrative boundaries: Badan Pusat Statistik (BPS - Statistics Indonesia)
Analysis: United Nations Satellite Centre (UNOSAT)
Production: United Nations Satellite Centre (UNOSAT)