PRELIMINARY SATELLITE-DERIVED DAMAGE ASSESSMENT

Nusa Tenggara Timur Province, Indonesia

Status: Mudflow and flood water detected

Further action(s): continue monitoring

9 April 2020
AOI 1 Mud flow in Adonara Timur, Flores Timur district, Nusa Tenggara Timur

Sentinel-2 satellite image acquired on 8 Apr 2021

Image center:
08°22'37.2" S
123°06'07.6" E

Affected Village
Mud Flow
Affected Agricultural Area

500 m.
AOI 1 Adonara Timur, Flores Timur District, Nusa Tenggara Timur Province

Sentinel-2 satellite image acquired on 8 Apr 2021

Sentinel-2 satellite image acquired on 24 Mar 2021

Image center:
08°23'34.5" S
123°03'38.4" E

300 m.
AOI 1 Adonara Timur, Flores Timur District, Nusa Tenggara Timur Province

Sentinel-2 satellite image acquired on 8 Apr 2021

Sentinel-2 satellite image acquired on 14 Mar 2021
AOI 1 Adonara Timur, Flores Timur District, Nusa Tenggara Timur Province

Sentinel-2 satellite image acquired on 8 Apr 2021

Sentinel-2 satellite image acquired on 14 Mar 2021

Mud Flow

Affected Agricultural Area

Image center: 08°23'02.9" S 123°06'07.1" E
AOI 2 Mud flow in Ile Ape, Lembata district, Nusa Tenggara Timur

Image center:
8° 17' 02.8" S
123° 30' 08.4" E

Sentinel-2 satellite image acquired on 8 Apr 2021
AOI 2 Ile Ape, Lambata District, Nusa Tenggara Timur Province

Sentinel-2 satellite image acquired on 8 Apr 2021

Sentinel-2 satellite image acquired on 24 Mar 2021
AOI 2 Ile Ape, Lambata District, Nusa Tenggara Timur Province

Sentinel-2 satellite image acquired on 8 Apr 2021

Sentinel-2 satellite image acquired on 24 Mar 2021
AOI 2 Mud flow in Omesuri, Lembata district, Nusa Tenggara Timur

Image center:
8°20'03.5"S
123°42'30.6"E

Potentially Affected Village
Affected Agricultural Area

Sentinel-2 satellite image acquired on 8 Apr 2021
AOI 3 Mud flow in Pantar Timur, Alor district, Nusa Tenggara Timur

Image center:
8°22'13.8"S
124°13'56.1"E

Sentinel-2 satellite image acquired on 8 Apr 2021
AOI 3 Pureman, Alor District, Nusa Tenggara Timur Province

Sentinel-2 satellite image acquired on 8 Apr 2021

Mud Flow

Affected Village

Sentinel-2 satellite image acquired on 24 Mar 2021
SUMMARY OF FINDINGS

• Multiple mudflows observed in Flores Timur [AOI1], Lambata [AOI2] and Alor [AOI3] districts as of 8 April 2021

• Several villages along the river in AOI 1 - 3 were affected by the mud flow as of 8 April 2021

• Partially agricultural areas were observed in AOI 1 and 2 as of 8 April 2021
COPYRITHS AND SOURCES

Data sources:

(1) Satellite Image [Post-event]
   Sentinel-2 acquired on 8 Apr 2021
   Contains modified Copernicus Sentinel data [2021]

(2) Satellite Image [Pre-event]
   Sentinel-2 acquired on 14 and 24 Mar 2021

(3) Ancillary data
   Administrative boundaries : Badan Pusat Statistik / OCHA ROAP
   Source : HDX