


2 March 2023

# PRELIMINARY SATELLITE- FLOOD ASSESSMENT REPORT



Namorona Commune, Mananjary District,  
Vatovavy Fitovinany Region, Madagascar

 Status: Flood water detection after tropical cyclone Freddy

 Further action(s): continue monitoring

# MADAGASCAR



# NAMORONA COMMUNE, MANANJARY DISTRICT, VATOVAVY FITOVINANY REGION, MADAGASCAR





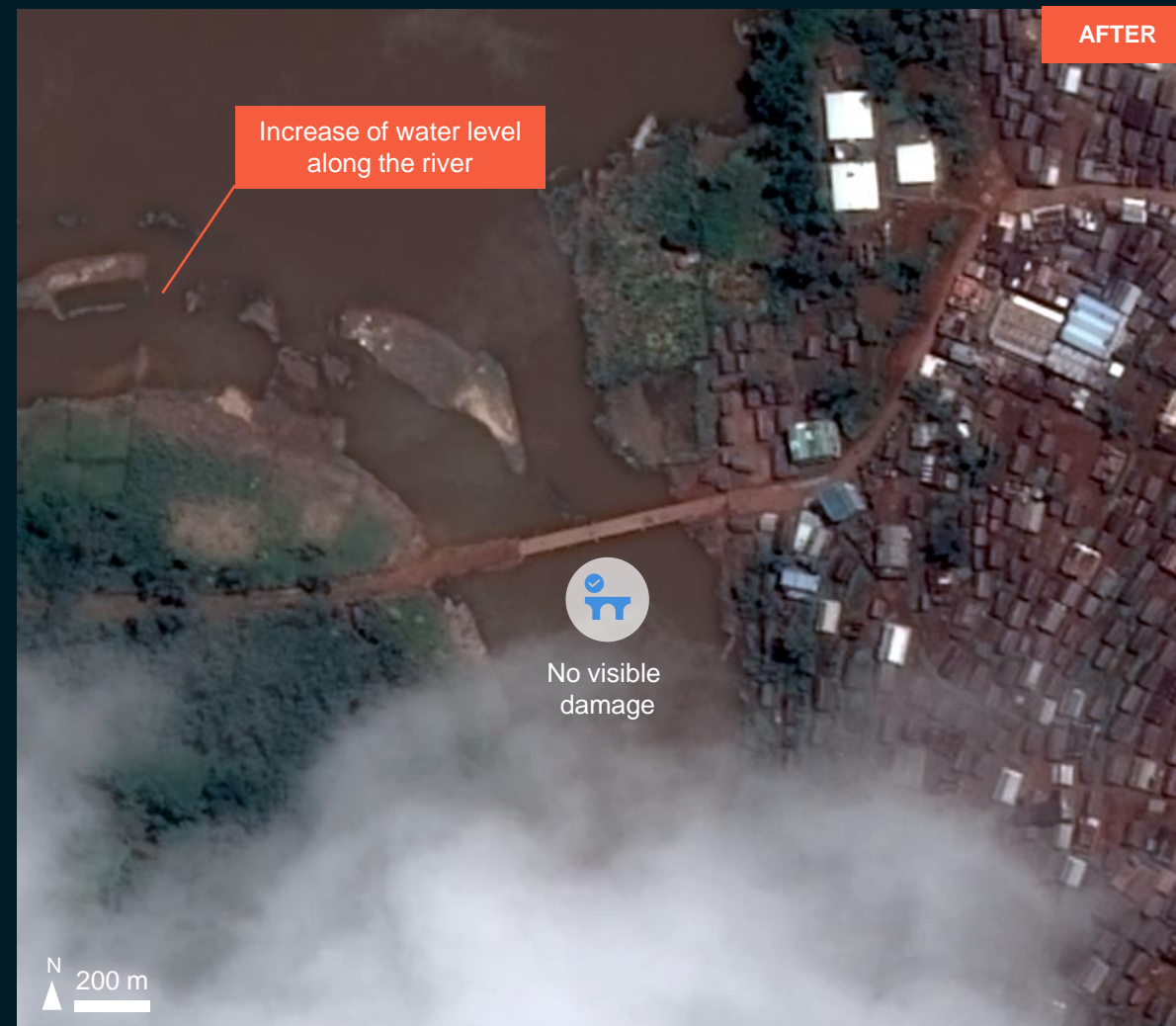
# AOI 1: Namorona Commune, Mananjary District

Increase of water level along the Ranomafana river and flooded agricultural fields

Image center:  
48°10'59.49"E  
21°38'23.204"S



Worldview2 / 30 Jun. 2021



Pleiades / 24 Feb. 2023



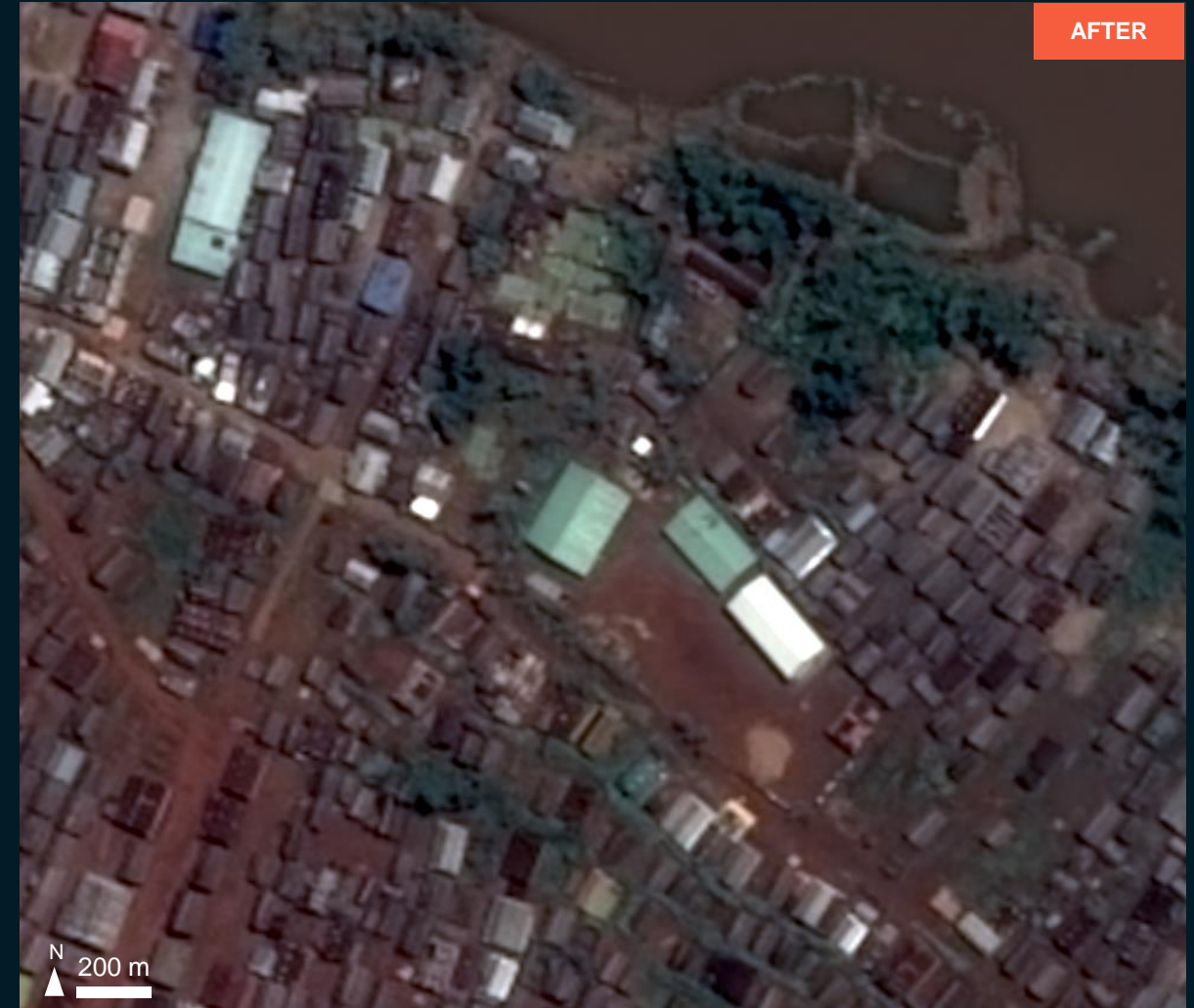
## AOI 2: Namorona Commune, Mananjary District

No major flood or major damage observed

Image center:  
48°11'20.048"E  
21°38'26.184"S



Worldview2 / 30 Jun. 2021



Pleiades / 24 Feb. 2023



# AOI 3: Namorona Commune, Mananjary District

Flooded agricultural fields

Image center:  
48°11'20.048"E  
21°38'26.184"S



Worldview2 / 30 Jun. 2021



Pleiades / 24 Feb. 2023



# NAMORONA COMMUNE, MANANJARY DISTRICT, VATOVAVY FITOVINANY REGION, MADAGASCAR

No major flood or major damage observed



# SUMMARY OF FINDINGS

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- Increase of water level along the Ranomafana river observed as of 24 February 2023;
- Flooded agricultural fields in Namorona Commune, Mananjary District observed as of 24 February 2023;
- No major visible damage to buildings as of 24 February 2023;



# COPYRIGHTS AND SOURCES

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## Data sources:

### (1) Satellite Image (Post-event)

Pléiades: 24 Feb. 2023 and 1 Mar. 2023

Resolution: 50 cm

Copyright : CNES (2023), distribution Airbus D&S

Source : Airbus D&S

### (2) Satellite Image (Pre-event)

Satellite Data : WorldView-2

Imagery Dates : 30 Jun. 2021

Resolution: 50 cm

Source: ESRI Basemap

### (3) Ancillary data

Administrative boundaries: Madagascar National Disaster Management Office (BNGRC)

Analysis: UNITAR-UNOSAT

Production: UNITAR-UNOSAT



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**@UNITAR.unosat**



**UNOSAT**, United Nations Institute for Training  
and Research (UNITAR)  
7 bis, Avenue de la Paix, CH-1202 Geneva 2,  
Switzerland

T +41 022 917 4720  
E [unosat@unitar.org](mailto:unosat@unitar.org)  
[www.unosat.org](http://www.unosat.org)