

15 Dec 2021



PRELIMINARY SATELLITE-DERIVED DAMAGE ASSESSMENT

Woleai, Nukuoro, Kapingamarangi, and Fais Islands of Micronesia



Micronesia



Woleai



Fais



Nukuoro



Kapingamarangi

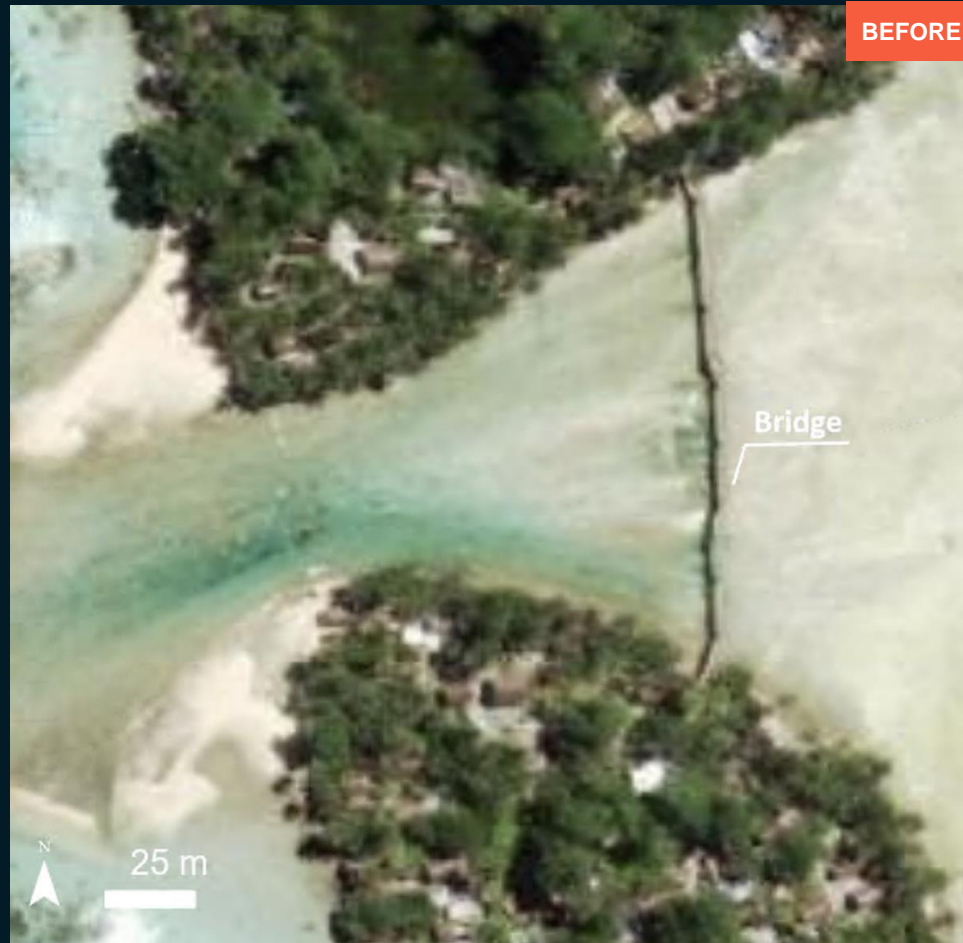


AOI 1 Kapingamarangi Island, Pohnpei State, Micronesia

POTENTIALLY DAMAGED BRIDGE AND SHORELINE DETECTED



Image center:
001°04'48.0"N
154°48'28.3"E



ESRI base map / WorldView-2 / 31 Jul 2016



Worldview 2 / 12 Dec 2021

AOI 2 Nukuoro Island, Pohnpei State, Micronesia

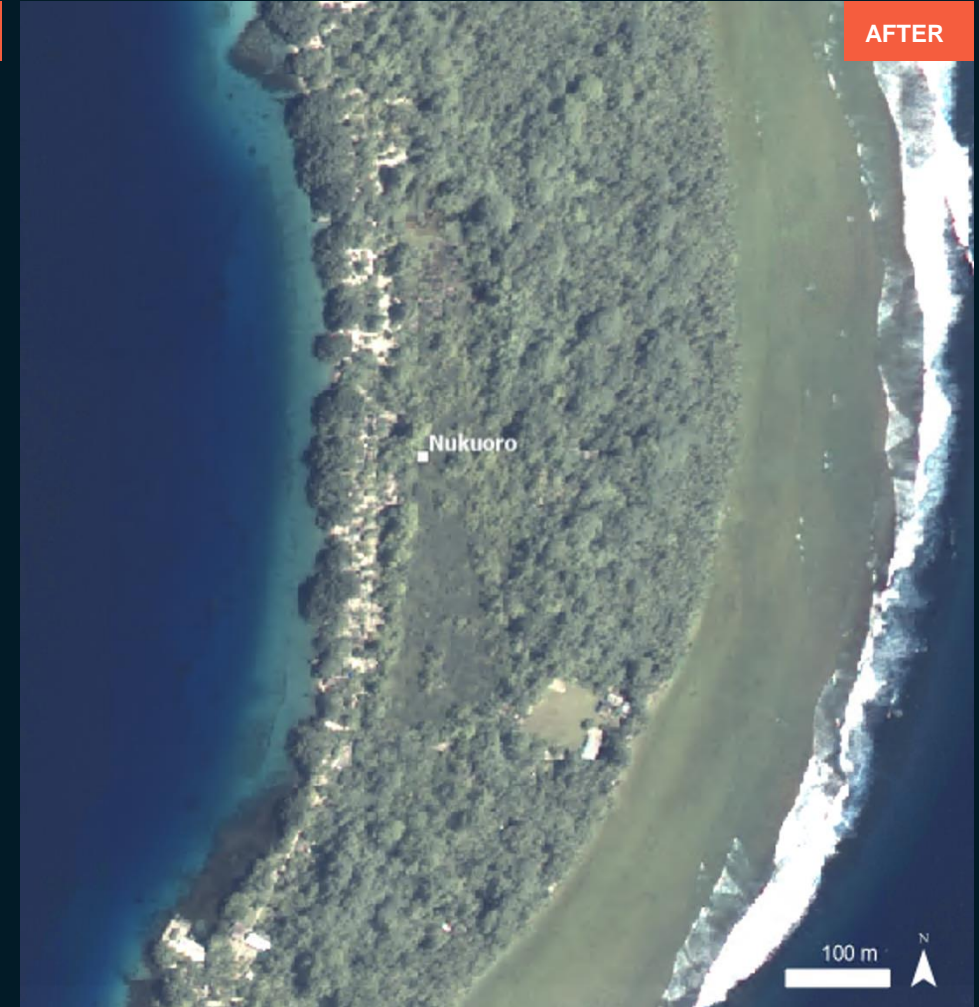
NO VISIBLE DAMAGE OBSERVED



Image center:
003°50'20.7"N
154°58'21.7"E



ESRI Base Map / WorldView-3 / 30 Jul 2016



Worldview 2 / 12 Dec 2021

AOI 3 Woleai Island, Yap State, Micronesia

NO VISIBLE DAMAGE OBSERVED



Image center:
007°22'27.0"N
143°54'30.6"E



ESRI Base Map / WorldView-2 / 11 Jun 2020



PLEIDEAS /10 DEC 2021

AOI 4 Fais Island, Yap State, Micronesia

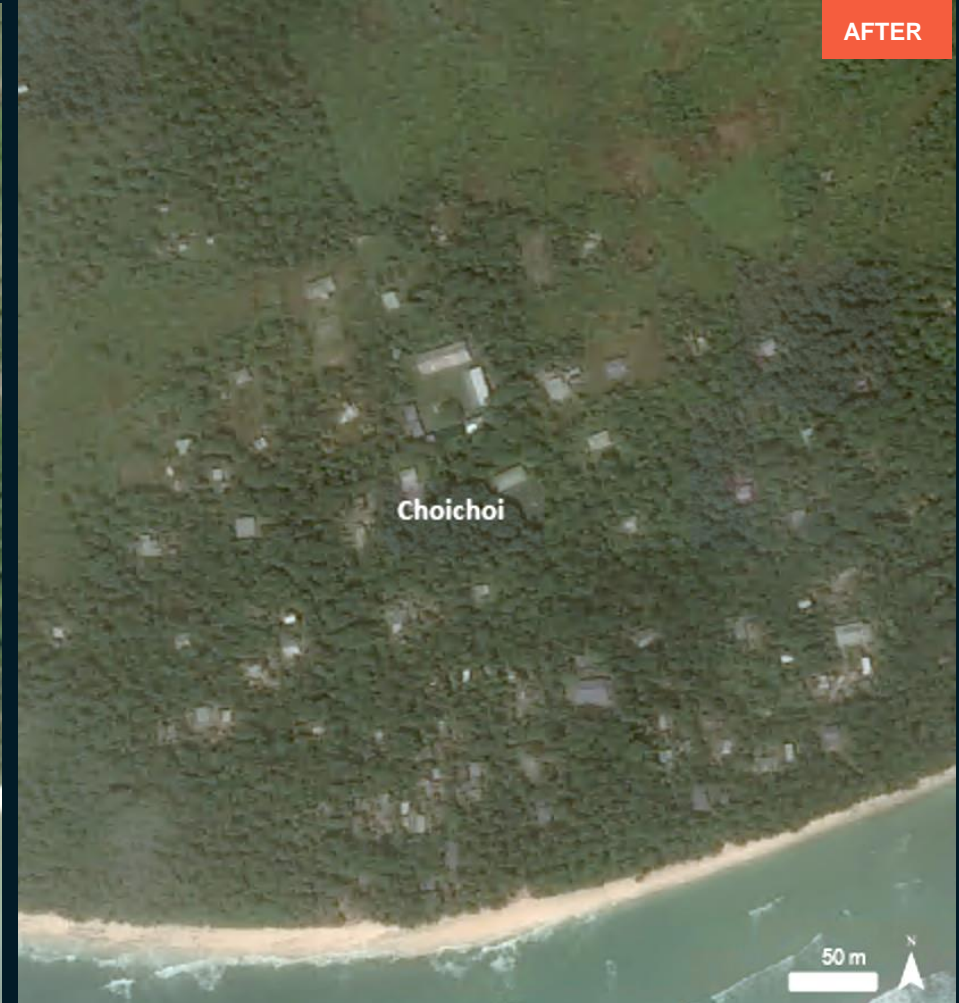
NO DAMAGE DETECTED



Image center:
009°45'24.0"N
140°30'51.4"E



ESRI Base Map / WorldView-4 / 14 Dec 2018



PLEIDEAS / 10 DEC 2021

SUMMARY OF FINDINGS

- Potentially damaged bridge connecting Kapingamarangi Island observed as of 12 December 2021;
- Potentially affected shoreline on Kapingamarangi Island observed as of 12 December 2021;
- No widespread observed damages to the airstrip on Woleai Island as of 10 December 2021;
- No widespread damages to homes or facilities detected on Nukuoro Island as of 12 December 2021;
- No widespread damages observed on Fais Island as of 10 December 2021.

COPYRIGHTS AND SOURCES

Data sources:

(1) Satellite Image (Post-event)

Worldview 2 / 12 December 2021

Resolution: 50 cm

Copyright: Digital Globe, Inc. (2021)

Source: USGS/ HDDS

Pleiades / 10 December 2021

Resolution: 50 cm

Copyright: CNES (2020), distribution Airbus D&S

Source : Airbus DS

(2) Satellite Image (Pre-event)

ESRI World Imagery

(3) Ancillary data

Administrative boundaries: OCHA Office of the Pacific Islands, HDX

Populated Places: OpenStreetMap

Analysis: United Nations Satellite Centre (UNOSAT)

Production: United Nations Satellite Centre (UNOSAT)



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