



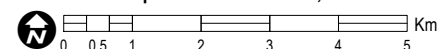
Potential ash deposit extent & impact caused by Manaro Volcano, Ambae Island, Vanuatu

This map illustrates satellite-detected potential ash deposit extent & related exposure and impact caused by Manaro volcano in Ambae Island, Penama Province Vanuatu. Using Planet imagery, 3m resolution as of 10 March 2018, UNITAR-UNOSAT detected more than 11,800 ha of ash and smoke covering 29% of the total surface of the island. Using the building footprints of Humanitarian Open Street Map as a baseline, around 348 buildings are located within areas covered by ash and smoke in South Ambae council, representing 60% of the total number of buildings within this council. In addition, 18 Km of roads are within ash deposit extent inside mainly the council of South Ambae. Due to the resolution of the satellite imagery, the extent of the ash deposit may be underestimated and as a result, the number of buildings potentially affected. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR - UNOSAT.

Legend

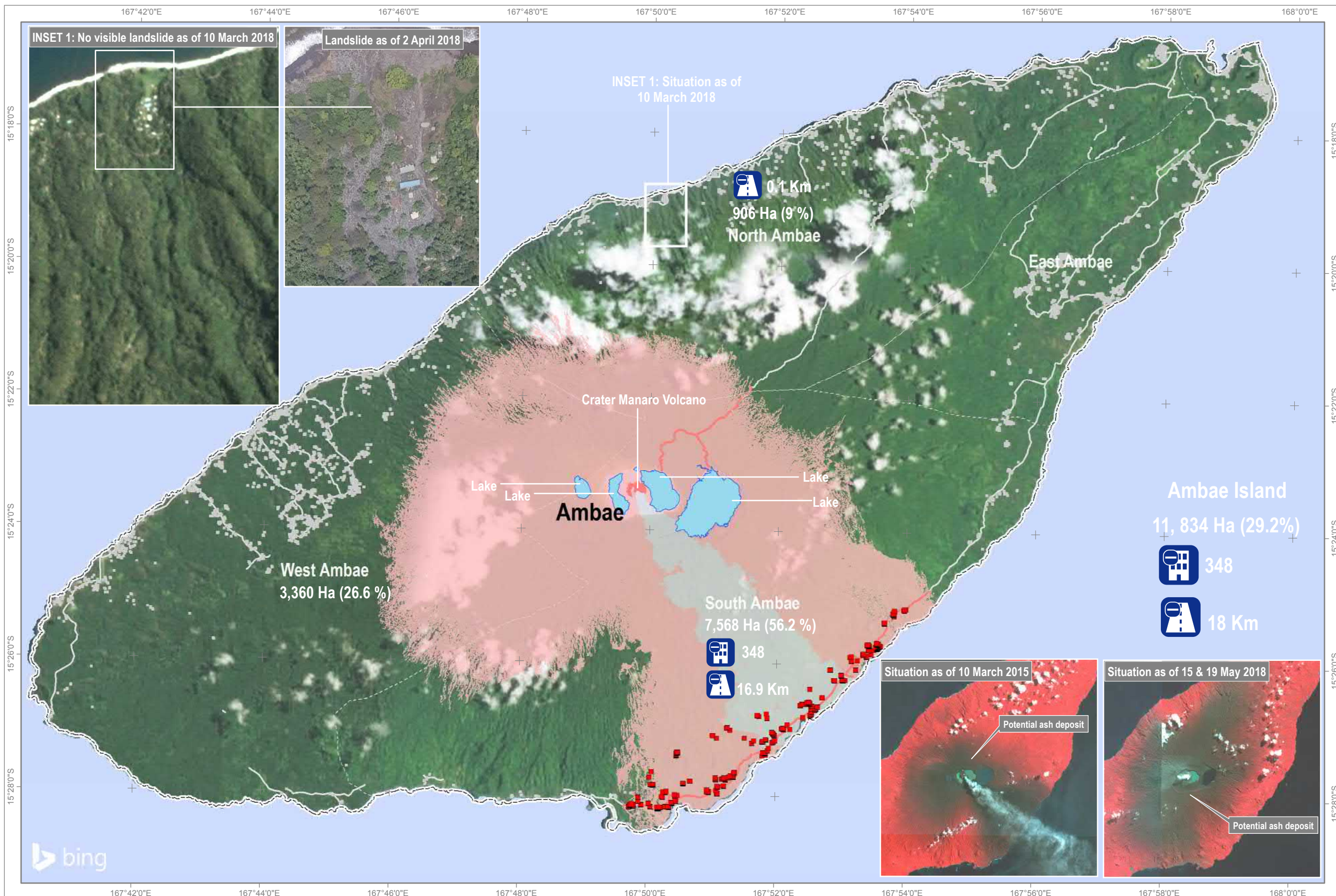
- Potentially affected building
- Building footprint
- Potentially affected road
- Road
- Lake
- Manaro crater
- Potential ash deposit extent
- Smoke area
- Island boundary
- Council boundary

Map Scale for A3: 1:110,000



Analysis conducted with ArcGIS v10.4.1

Coordinate System: WGS 1984 UTM Zone 58S
Projection: Transverse Mercator
Datum: WGS 1984
Units: Meter



Satellite Data (Post): Planet
Imagery Dates: 15 & 19 May 2018
Resolution: 3 m
Copyright: © 2018 Planet Labs Inc. All rights reserved
Source: Planet

Satellite Data (Pre): Planet
Imagery Date: 10 March 2018
Resolution: 3 m
Copyright: © 2018 Planet Labs Inc. All rights reserved
Source: Planet
Administrative boundaries: PopGIS2 (Secretariat of the Pacific)

Community (SPC), Statistics for Development Division
Building footprint: Humanitarian Open Street Map
Other Data: USGS, UNCS, NASA, NGA
Analysis: UNITAR - UNOSAT
Production: UNITAR - UNOSAT

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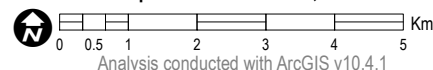
Potential ash deposit extent & impact caused by Manaro Volcano, Ambae Island, Vanuatu

This map illustrates satellite-detected potential ash deposit extent & related exposure and impact caused by Manaro volcano in Ambae Island, Penama Province Vanuatu. Using Planet imagery, 3m resolution as of 15 & 19 May 2018, UNITAR-UNOSAT detected more than 13,500 ha of ash covering almost 34% of the total surface of the island. Using the building footprints of Humanitarian Open Street Map as a baseline, more than 280 buildings are located within areas covered by ash, mainly in North Amabe council, representing 14% of the total number of buildings within this council. In addition, 17 Km of roads are within ash deposit extent inside the councils of North and South Ambae. Kindly note that additional buildings and structures could also have been affected by secondary effects, for example those affected by a landslide located in North Ambae district. Due to the resolution of the satellite imagery, the extent of the ash deposit may be underestimated and as a result, the number of buildings potentially affected. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR - UNOSAT.

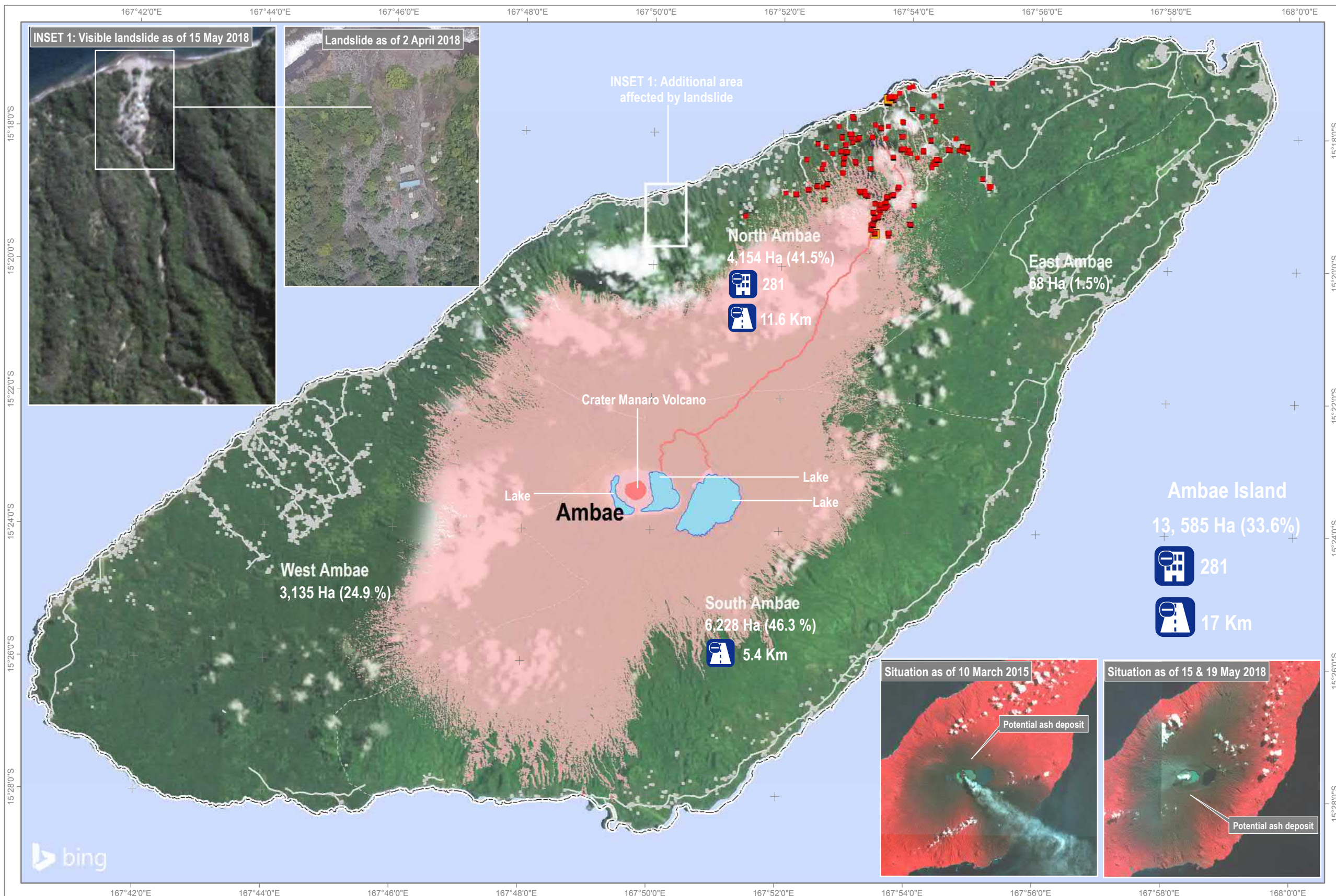
Legend

- Potentially affected religious facility
- Potentially affected building
- Building footprint
- Potentially affected road
- Road
- Lake
- Manaro crater
- Potential ash deposit extent
- Island boundary
- Council boundary

Map Scale for A3: 1:110,000



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