

OVERVIEW OF TSUNAMI DAMAGES ON SAVAI'I & UPOLU ISLANDS, SAMOA

Damage Analysis with Formosat-2 Data Acquired from 30 September to 3 October 2009 and SPOT-5 Data Acquired on 4 October 2009

This map illustrates satellite-detected areas of likely building and vegetation damages caused by the magnitude 8.0 earthquake and resulting tsunami on 29 September 2009. A total of 11 damage sites were identified based on post-disaster satellite imagery collected from 30 September to 4 October 2009. Each site has a corresponding high resolution focus map within the PDF document. Damage identification was restricted by the partial coverage and spatial resolution of the imagery, as well as by cloud cover. It is probable therefore that damages have been underestimated. This assessment is a preliminary analysis & has not yet been validated in the field. Please send ground feedback to UNITAR / UNOSAT.

Disaster coverage by the International Charter 'Space and Major Disasters'. For more information on the Charter, which is about assisting the disaster relief organizations with multi-satellite data and information, visit www.disasterscharter.org



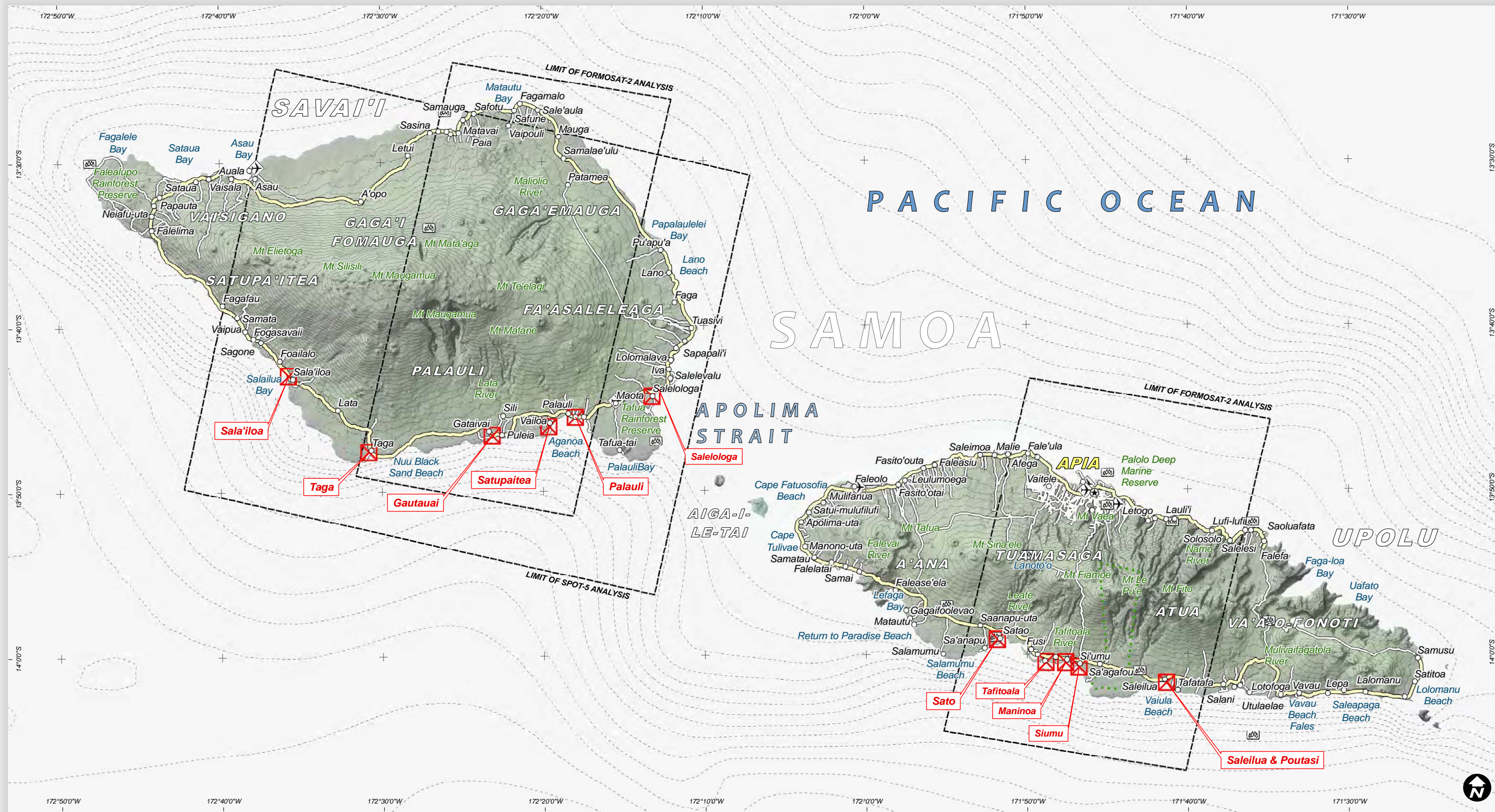
Earthquake & Tsunami



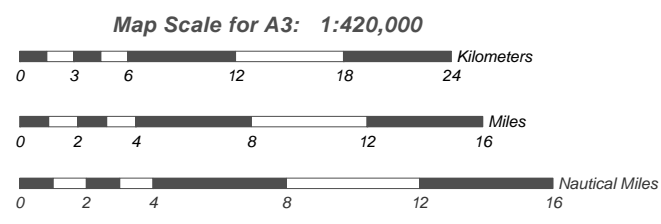
11 October 2009

Version 1.0

Glide No: TS-2009-000209-ASM



- Legend**
- Satellite-Identified Tsunami Damage Site
 - Capital
 - Town / Village
 - Airfield
 - Port
 - Natural Park
 - Main Road
 - Secondary / Urban Road
 - Park Border
 - Satellite Image Analysis Extent
 - Elevation Contour 50m



Satellite Data (1)..... Formosat-2
 Imagery Dates 30 Sept - 3 October 2009
 Resolution 2 meters (pansharpened)
 Copyright NSPO-2009
 Satellite Data (2) SPOT-5 (2.5m Pansharpened)
 Imagery Date 4 October 2009
 Copyright SPOT Image 2009
 Elevation Data ASTER GDEM / SRTM
 Resolution 27m / 87m
 Source METI & NASA 2009
 Vector Data Google Map Maker 2009

Bathymetry Data GEBCO
 Other Data USGS, NGA, WDPA
 Charter PM USAID/OFDA
 Analysis UNITAR / UNOSAT
 Map Production UNITAR / UNOSAT
 Projection UTM Zone 2 South
 Datum WGS-84 (EGM-96)

Map Data © 2009 Google -
 Improve with Google Map Maker

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