

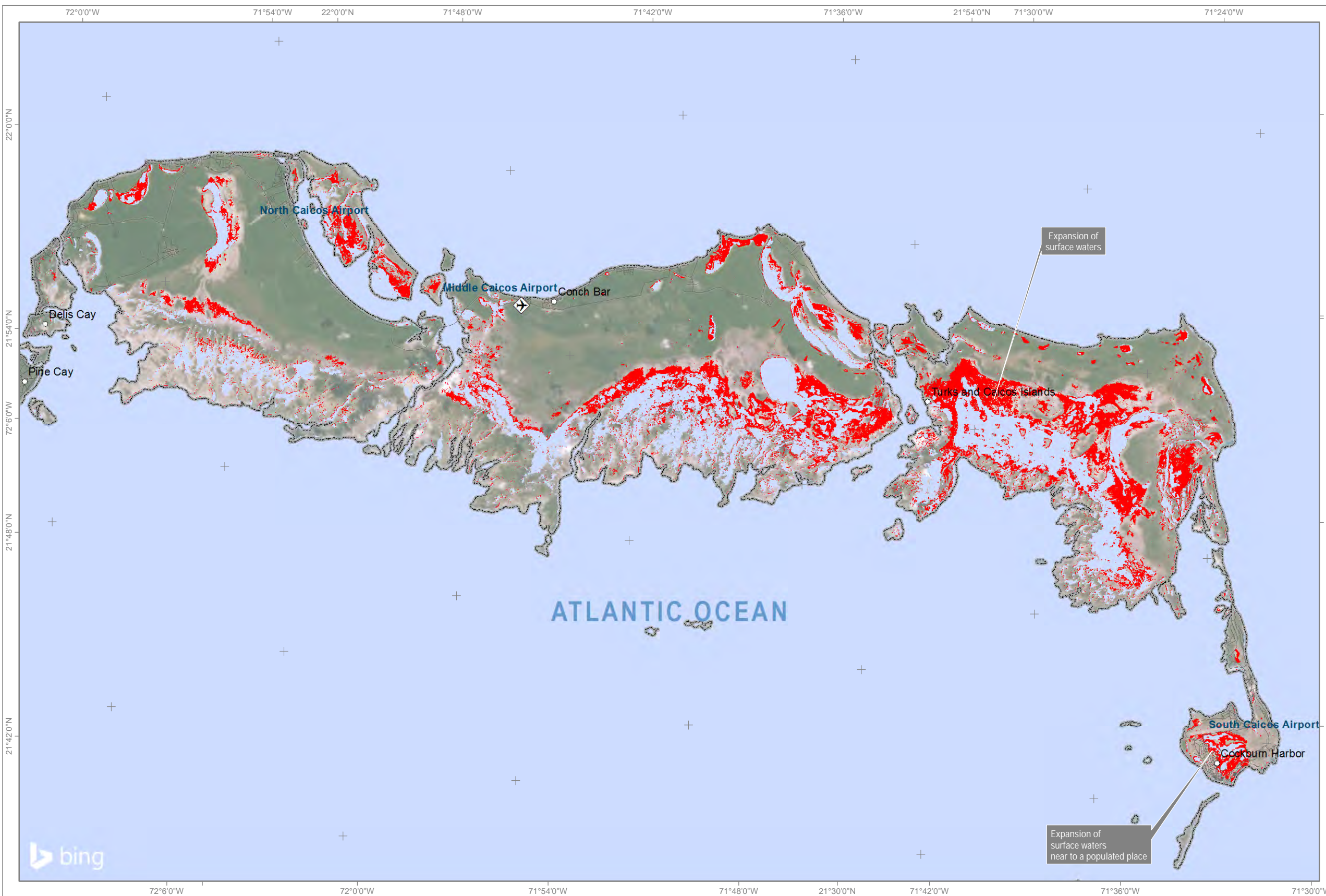


Satellite Detected Waters in Caicos islands (Turks & Caicos)

This map illustrates the satellite-detected surface waters in Caicos Islands (Turks & Caicos) as observed from the Radarsat-2 radar image acquired on 12 September 2017, following the landfall of tropical cyclone IRMA-17 on 08 September 2017. Within the analysed area, the increase of surface waters extent is about 44%. 17,562 ha of surface waters were detected before the landfall and reached ~25,444 ha the 12 September 2017. It is likely that flood waters have been systematically underestimated along highly vegetated areas along main riverbanks and within built-up urban areas because of the special characteristics of the satellite data used. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR - UNOSAT.

Legend

-  Populated place
-  Airport / Airfield
-  Road
-  Administrative boundary
-  Reference surface waters
-  Satellite detected waters (12 September 2017)



Satellite Data (Post): Radarsat-2
Imagery Dates: 12 September 2017
Resolution: 6 m
Copyright: MacDonald, Dettwiler and Associates Ltd. (2017) - All Rights Reserved
Source: CSA

Reference water: Global Surface Water / Nature
540, 418-422 (2016)
Baseline Data: Open Street Map, GADM
Analysis: UNITAR - UNOSAT
Production: UNITAR - UNOSAT



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