YEMEN

Marib Governorate

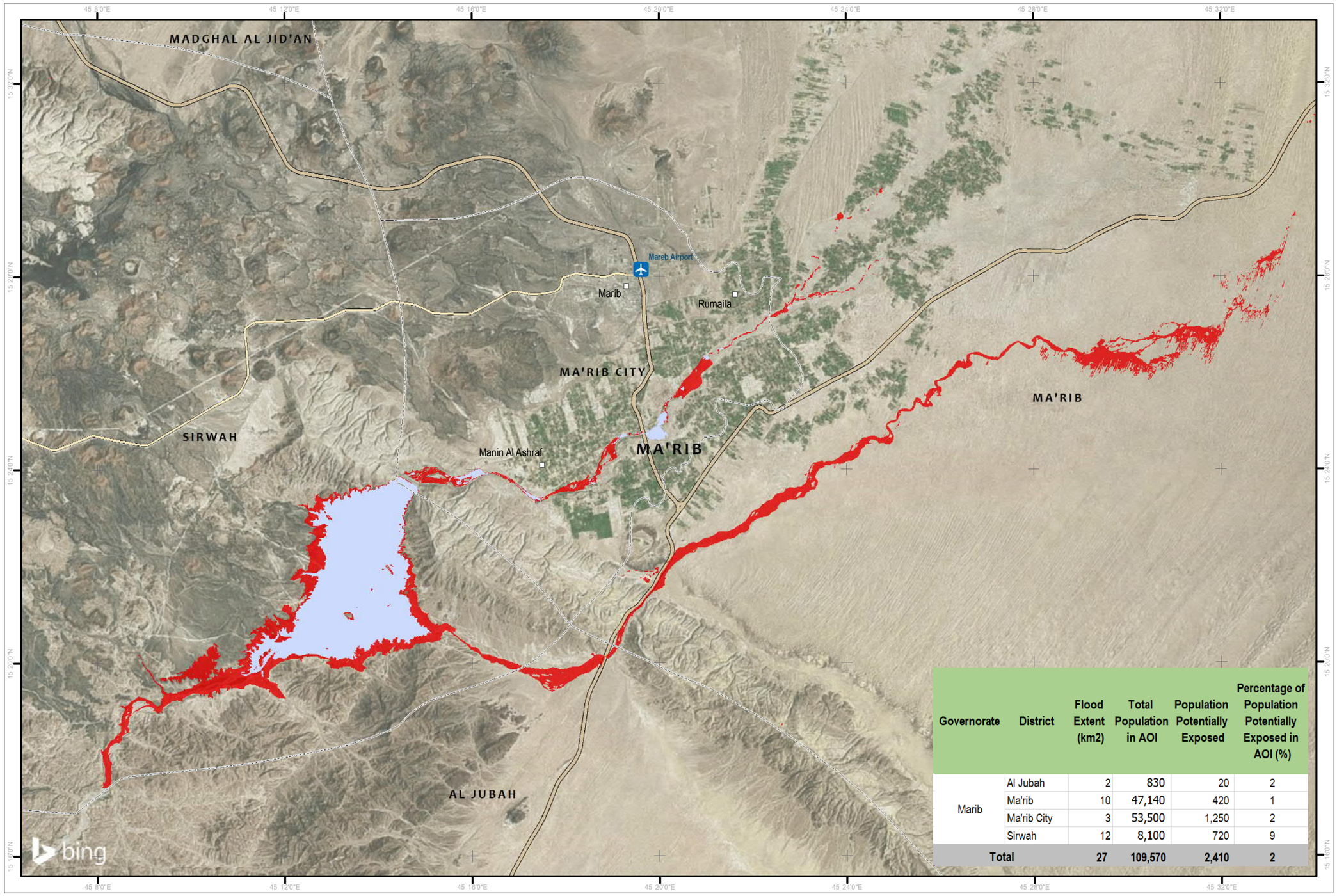
Imagery analysis: 5 August 2020 | Published 17 August 2020 | Version 1.0

Flood

FL20200815YEM

Satellite detected waters in Marib Governorate of Yemen as of 5 August 2020

This map illustrates satellite-detected surface waters over Marib Governorate of Yemen as observed from a Sentinel-2 image acquired on 5 Aug 2020. Within the analyzed area of about 1,700 km2, a total of about 30 km2 of lands appear to be flooded. Based on Worldpop population data and the detected surface waters, about 2,400 people may be potentially exposed or living close to flooded areas. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR-UNOSAT.



Legend

- City / Town
- Airport
- Highway / Primary Road
- District boundary (Adminitration Level 2)
- Analysis Extent
- Reference Water
- Satellite detected water [5 August 2020]

Governorate	District	Flood Extent (km2)	Total Population in AOI	Population Potentially Exposed	Percentage of Population Potentially Exposed in AOI (%)
Marib	Al Jubah	2	830	20	2
	Ma'rib	10	47,140	420	1
	Ma'rib City	3	53,500	1,250	2
	Sirwah	12	8,100	720	9
Total		**27**	**109,570**	**2,410**	**2**

Map Scale for A3: 1:150,000

0 1.75 3.5 7 km

Analysis conducted with ArcGIS v10.7

Coordinate System: WGS 1984 UTM Zone 38N
Projection: Transverse Mercator
Datum: WGS 1984
Units: Meter

Satellite Data (Post) : Sentinel-2
Imagery Date : 5 Aug 2020
Satellite Data (Pre) : Sentinel-2
Imagery Date : 11 Jul 2020
Resolution : 20 cm
Copyright : Contain modified Copernicus Sentinel Data [2020]

Source : ESA
Administrative boundaries: Central Statistical Organization (CSO)
Baseline Data: OSM
Analysis : UNITAR - UNOSAT
Production: UNITAR - UNOSAT