

PERU

LAMBAYEQUE AND PIURA PROVINCES

IMAGERY ANALYSIS: 22/03/2023 PUBLISHED 23/03/2023 V1.

ANALYZED AREA ~16,000 km ²	FLOOD EXTENT ~1,000 km ²	POPULATION IN ANALYZED AREA ~1.8 million	POPULATION POTENTIALLY EXPOSED ~13,500
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Province / District	Cloud free analyzed Area [22 March 2023] km ²	Flood water extent [22 March 2023] km ²	Population in cloud free areas [22 March 2023]	Population potentially exposed to flood water extent [22 March 2023]
Lambayeque	6,619	404	1,120,430	6,670
Chiclayo	930	1	810,730	260
Ferreñafe	630	2	77,730	150
Lambayeque	5,059	400	231,970	6,260
Piura	9,208	582	706,280	6,790
Morropón	1,323	2	77,750	170
Piura	3,037	14	564,020	3,870
Sechura	4,812	566	64,510	2,750
Total	15,827	986	1,826,710	13,460

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FLOOD & EARTHQUAKE
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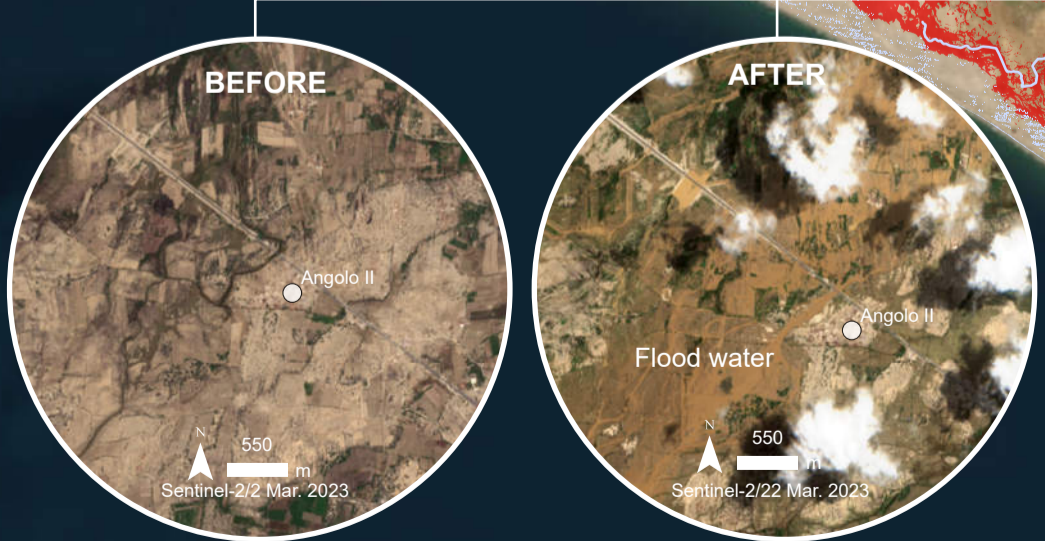
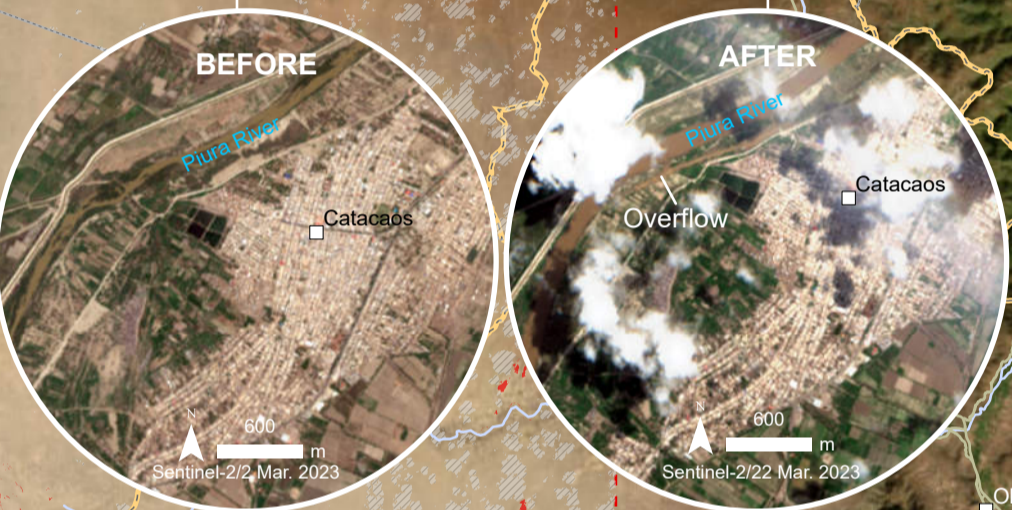
Satellite detected water extents over Lambayeque and Piura Province Provinces, Peru as of 22 March 2023

This map illustrates satellite-detected water using Sentinel-2 acquired on 22 March 2023, 10:36 local time over Lambayeque and Piura Provinces, Peru. Within the cloud free analyzed areas of about 16,000 km², a total of about 1,000 km² of lands appear to be affected with flood waters. Based on Worldpop population data and flood water extent, ~13,500 people in Lambayeque district are potentially exposed or living close to flooded areas and ~6,300 people in Lambayeque district.

This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to the United Nations Satellite Centre (UNOSAT).

Legend

- City/Town
- Road
- River
- Province boundary
- District boundary
- Analysis extent
- Reference water
- Cloud mask
- Satellite detected water extent [22 Mar. 23]



Spatial Reference: Name: GCS WGS 1984, Datum: WGS 1984
 Satellite Data (1): Sentinel-2, Imagery Date: 22 Mar. 2023, 15:36 UTC, Resolution: 20 m, Source: ESA
 Satellite Data (2): Sentinel-2, Imagery Date: 2 March 2023, 15:36 UTC, Resolution: 10 m, Source: ESA
 Reference water: JRC, Administrative boundaries: Instituto Geográfico Nacional - IGN, Population data: WorldPop [2020], Populated place: OpenStreetMap, Road data: OpenStreetMap, Background: ESRI World Imagery, Analysis: United Nations Satellite Centre (UNOSAT), Production: United Nations Satellite Centre (UNOSAT)