



1 October 2024

# PRELIMINARY SATELLITE-DERIVED FLOOD IMPACT ASSESSMENT




Capital city of Kathmandu, Bagmati Province, Nepal

 Status: Flood structures observed

 Further action(s): Continue monitoring

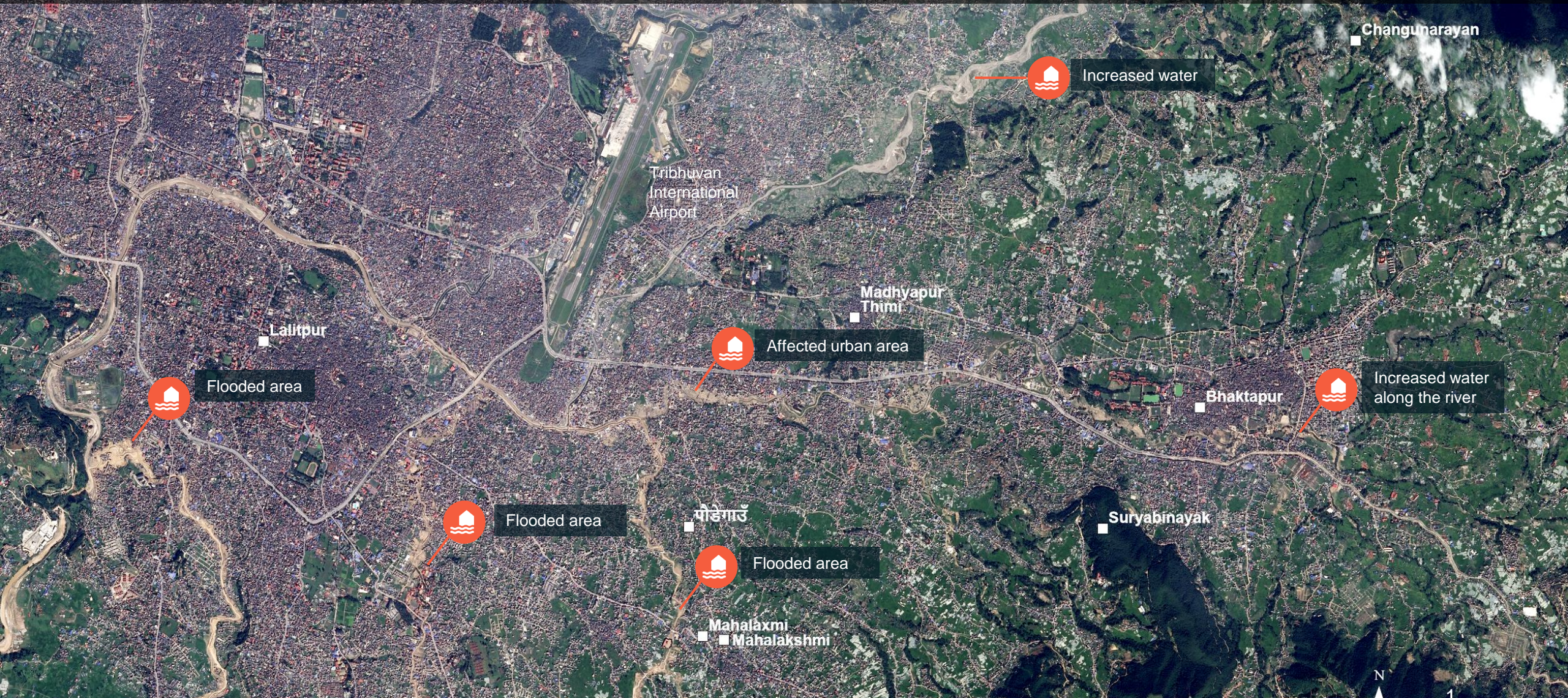
# Nepal



 Area of interest

# KATHMANDU, BAGMATI PROVINCE

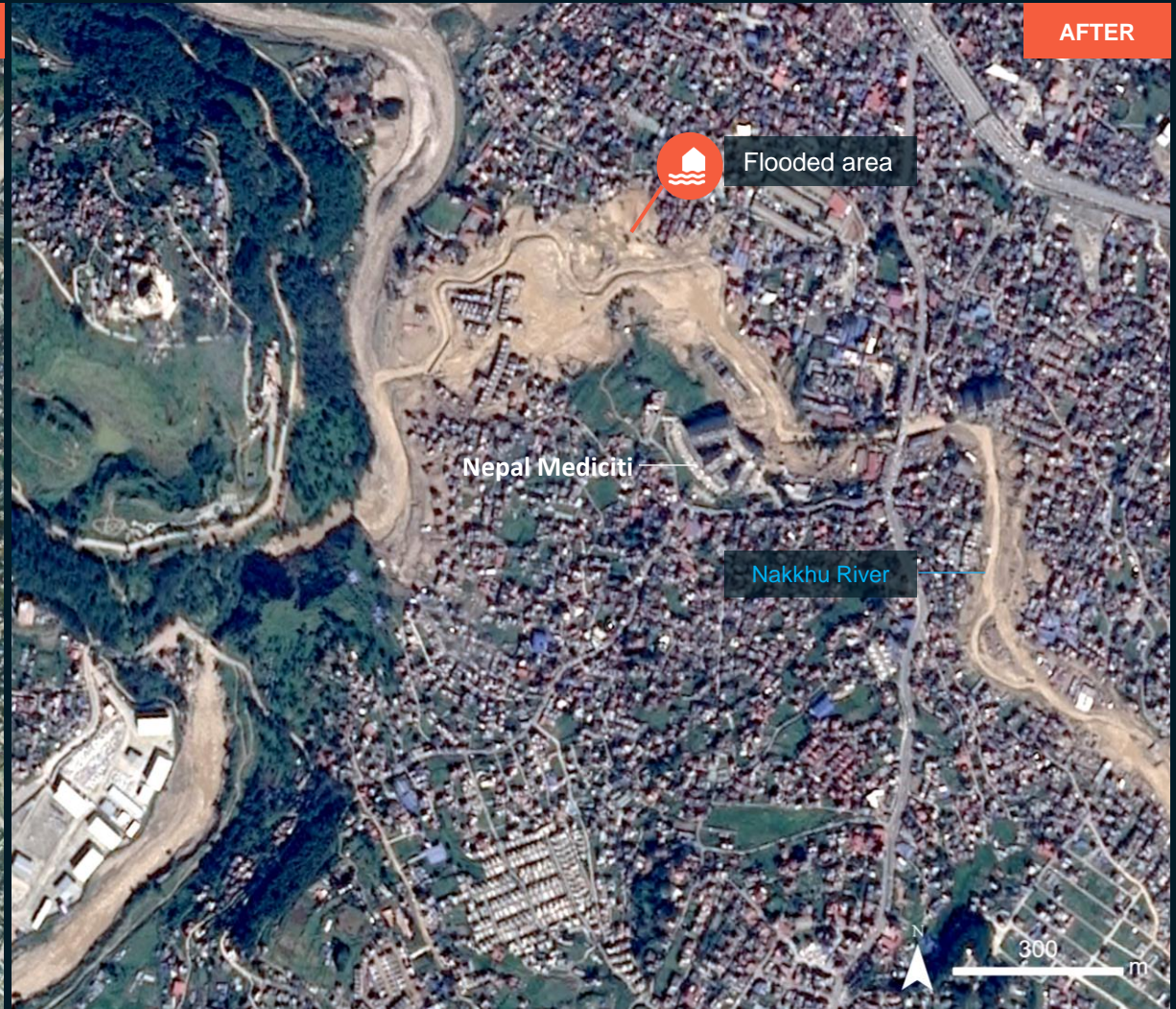
Flooded structures observed



# AOI1- KATHMANDU, BAGMATI PROVINCE

Flooded structures observed along the waterway

Image center:  
85°18'3"E  
27°39'46"N



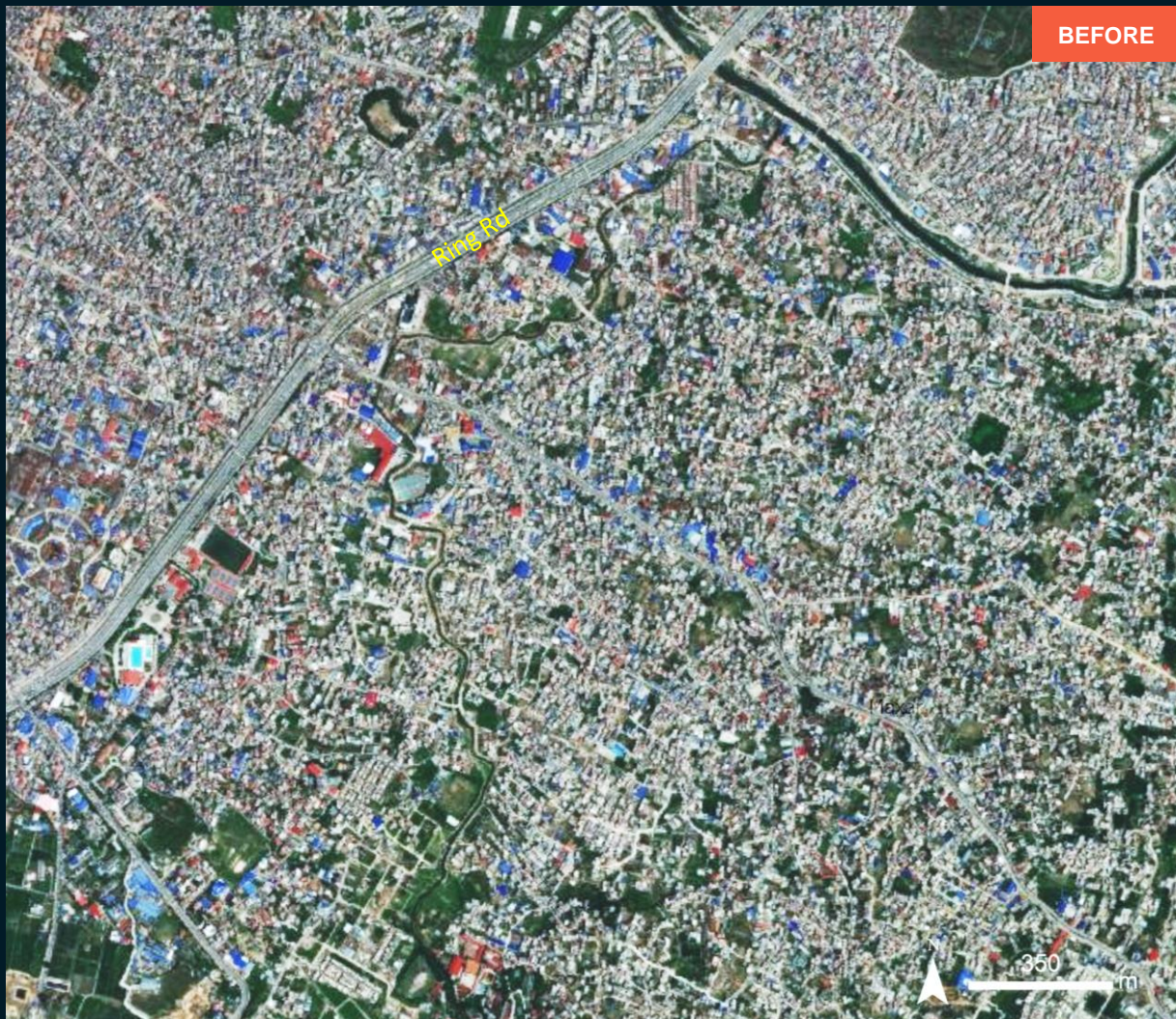
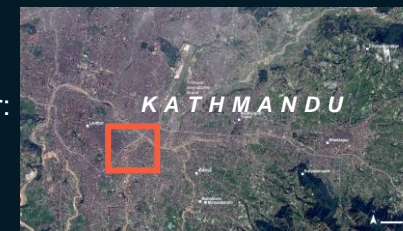
WorldView-2 / 13 January 2024

Spot-6 / 30 September 2024

# AOI2- KATHMANDU, BAGMATI PROVINCE

Flooded structures observed along the waterway

Image center:  
85°20'20"E  
27°39'50"N



BEFORE

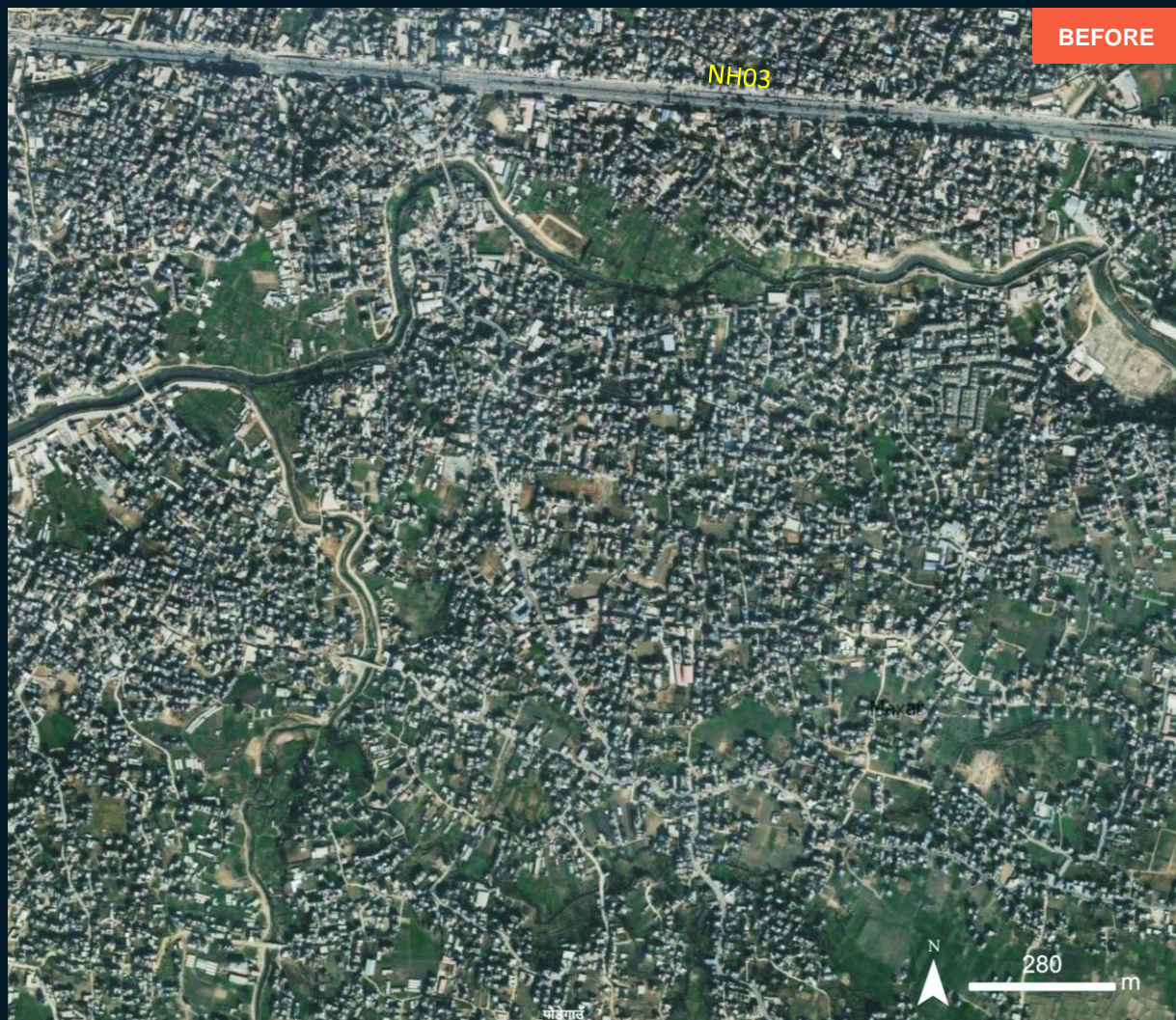


AFTER

# AOI3- KATHMANDU, BAGMATI PROVINCE

Flooded structures along the water way observed

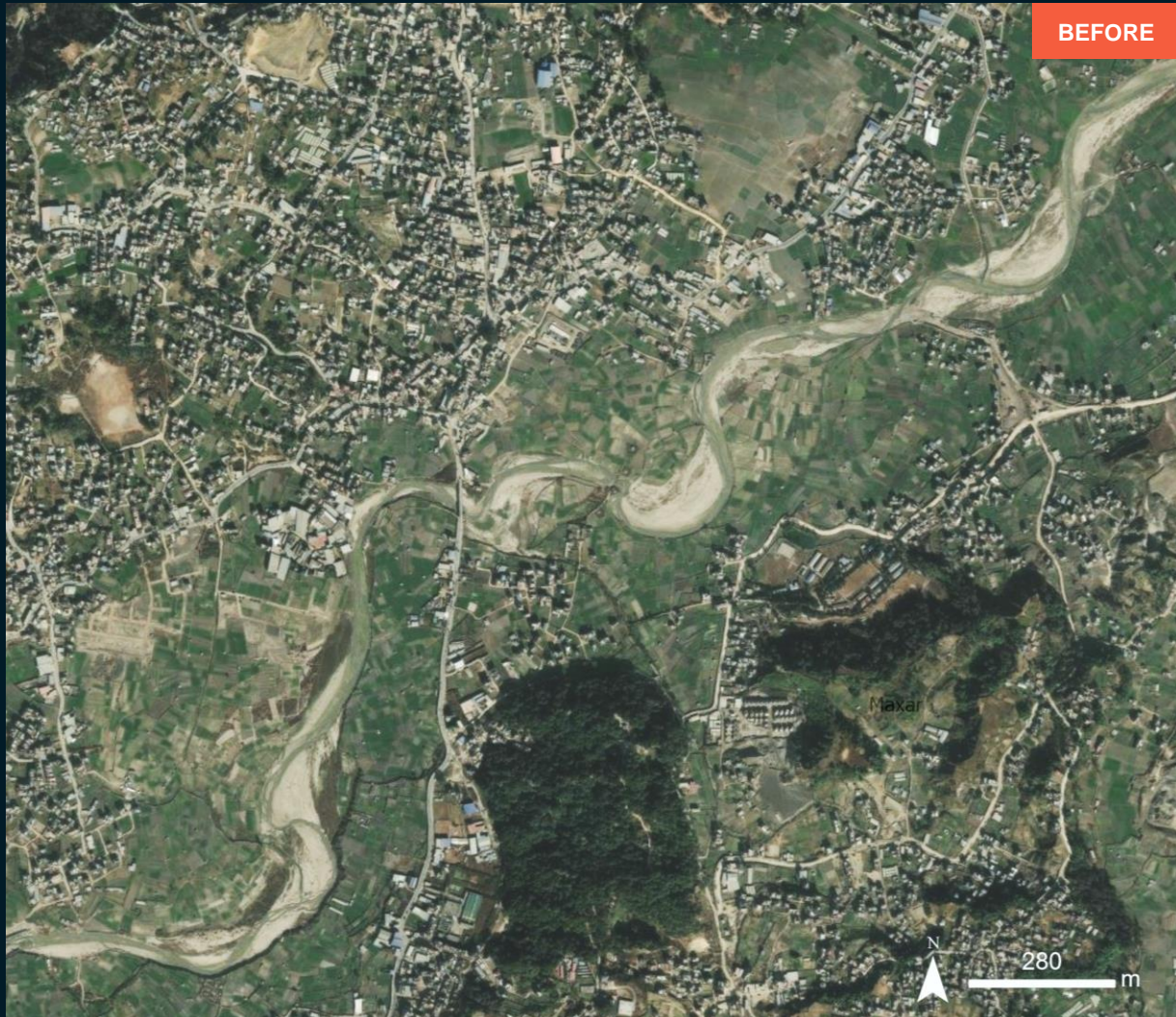
Image center:  
85°22'5"E  
27°40'2"N



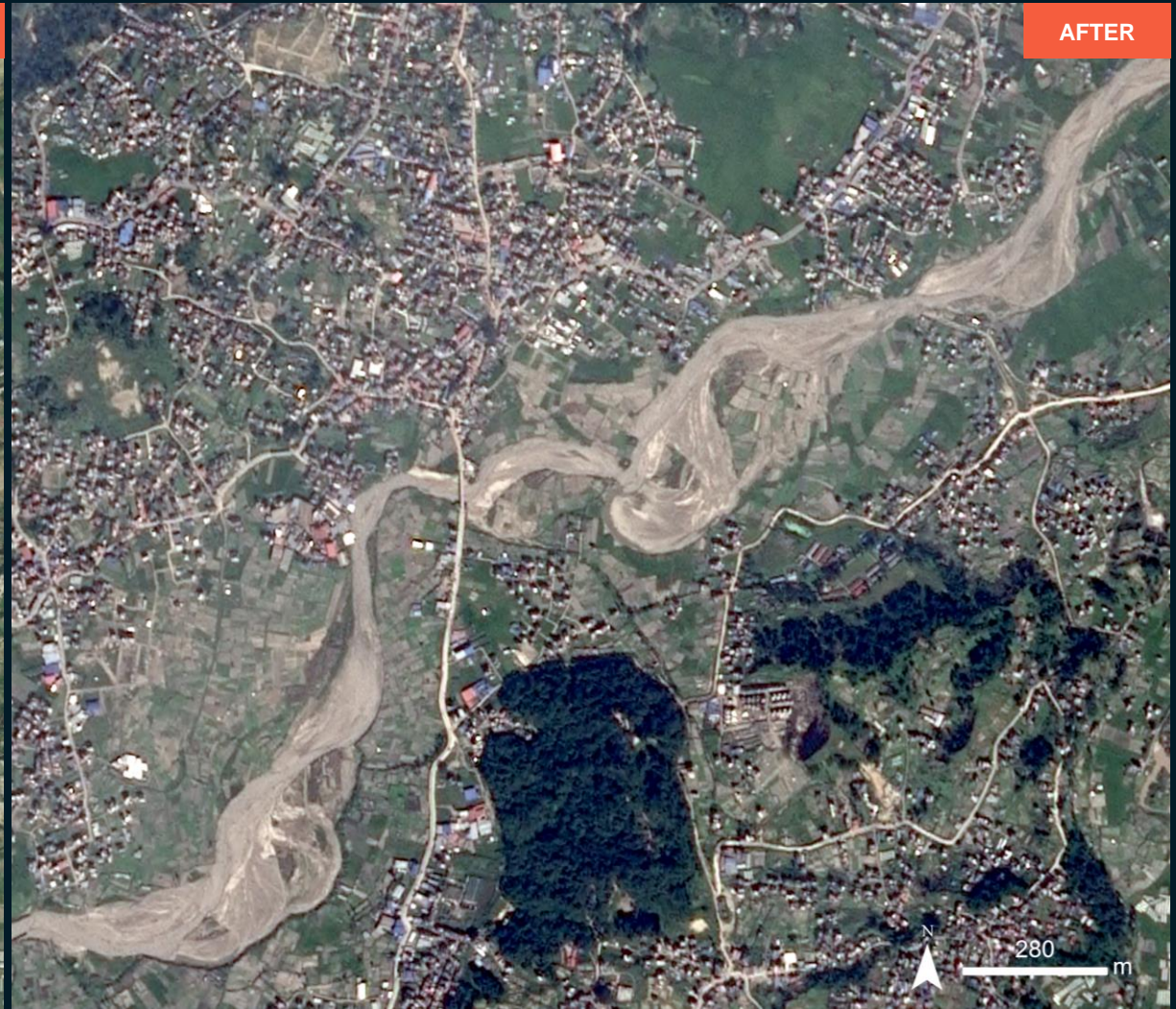
# AOI4- KATHMANDU, BAGMATI PROVINCE

Floods observed along the water way

Image center:  
85°23'48"E  
27°42'17"N



WorldView-2 / 13 January 2024



Spot-6 / 30 September 2024

# SUMMARY OF FINDINGS

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- Flooded structures observed along the waterway in the capital city of Kathmandu, Bagmati Province, as of 30 September 2024;
- Increased river levels observed in the capital city of Kathmandu, Bagmati Province, as of 30 September 2024.



# COPYRIGHTS & SOURCES

## Data sources:

### (1) Post image

Satellite Data: Spot-6

Imagery Dates: 30 September 2024 at 08:35 UTC

Resolution : 50cm

Copyright : Includes material © AIRBUS DS (2024)

Source : CNES / SPOT6

### (2) Pre-image

Satellite Data: WorldView-2

Imagery Dates: 13 January 2024

Resolution : 50cm

Copyright: © 2024 Maxar

Source: ESRI Basemap

### (3) Ancillary data

Boundary data: Survey Department of Nepal , UN Resident Coordinators Office in Nepal

Populated place: OpenStreetMap

Waterways: OpenStreetMap

Analysis: United Nations Satellite Centre (UNOSAT)

Production: United Nations Satellite Centre (UNOSAT)

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