



2 Sep. 2022

PRELIMINARY SATELLITE DERIVED FLOOD ASSESSMENT




Punjab Province, Pakistan

 Status: Inundated villages and inundated agricultural area observed

 Further action(s): continue monitoring

PAKISTAN



 AREA OF INTEREST (AOI)

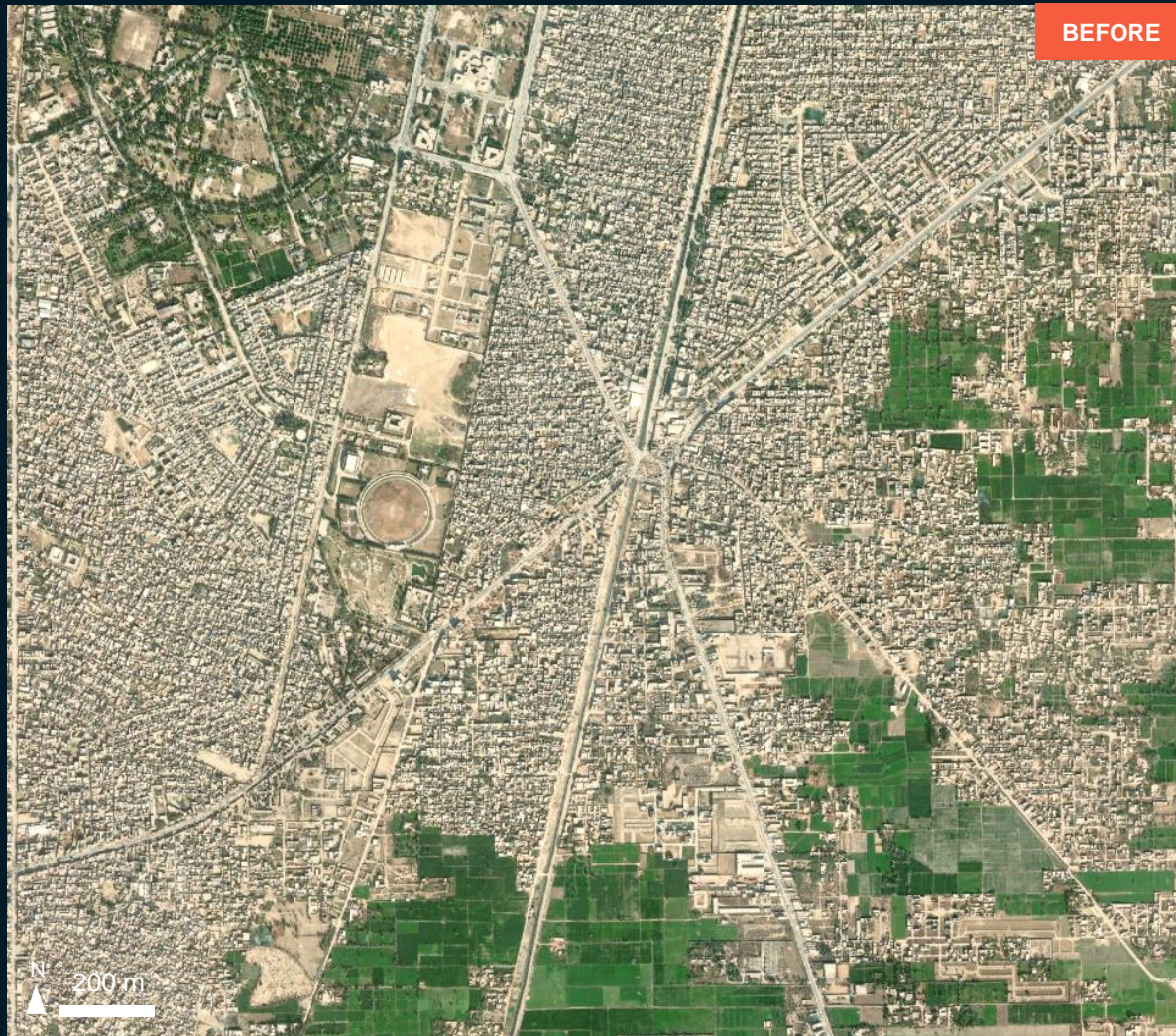
Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not been agreed upon by the parties.

AOI 1 DERA GHAZI KHAN DISTRICT, PUNJAB PROVINCE

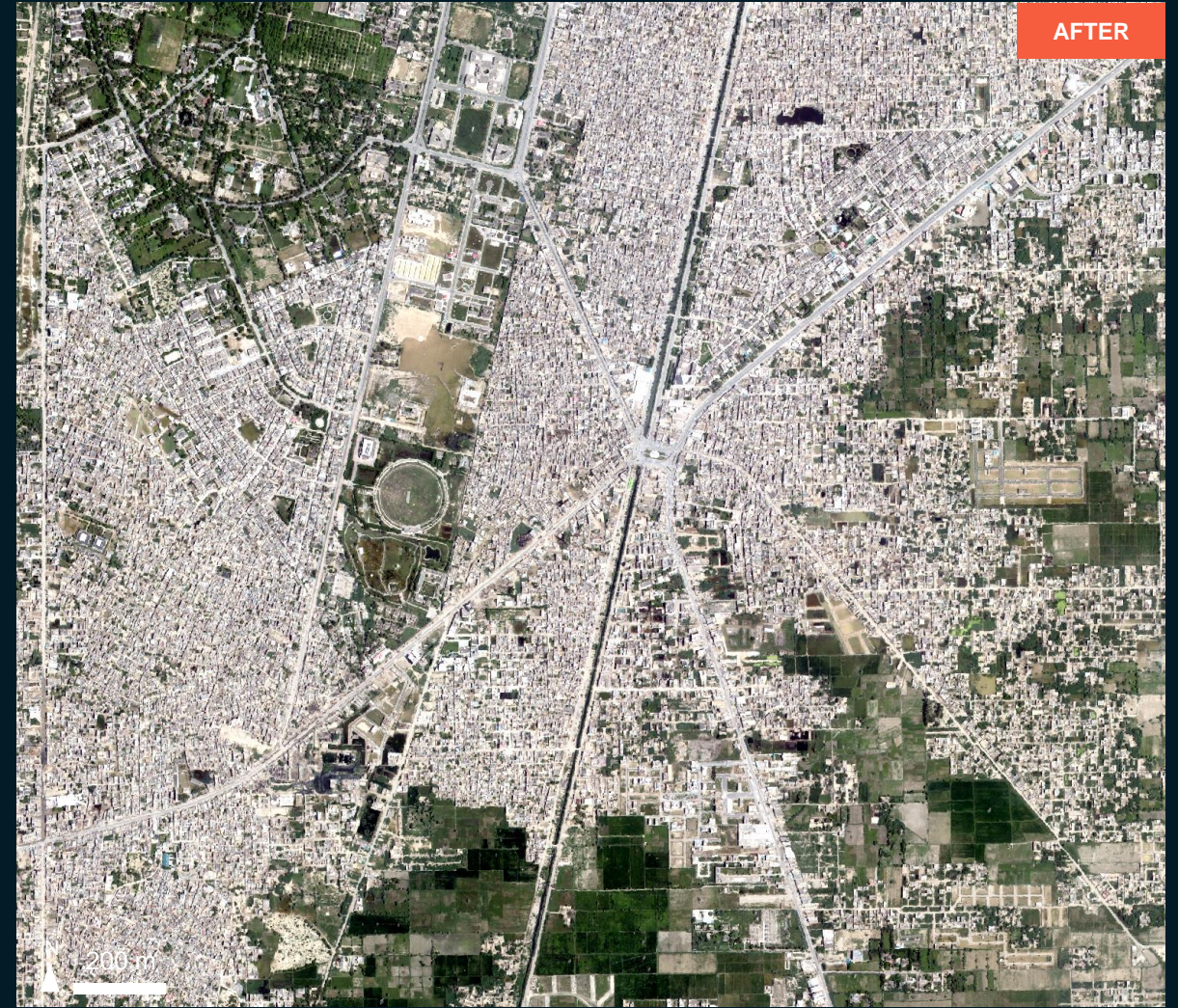
Image center:
70°38'21.95"E
30°1'56.391"N



No major damage observed in Dera Ghazi Khan City



WorldView-2 / 19 Jan. 2021



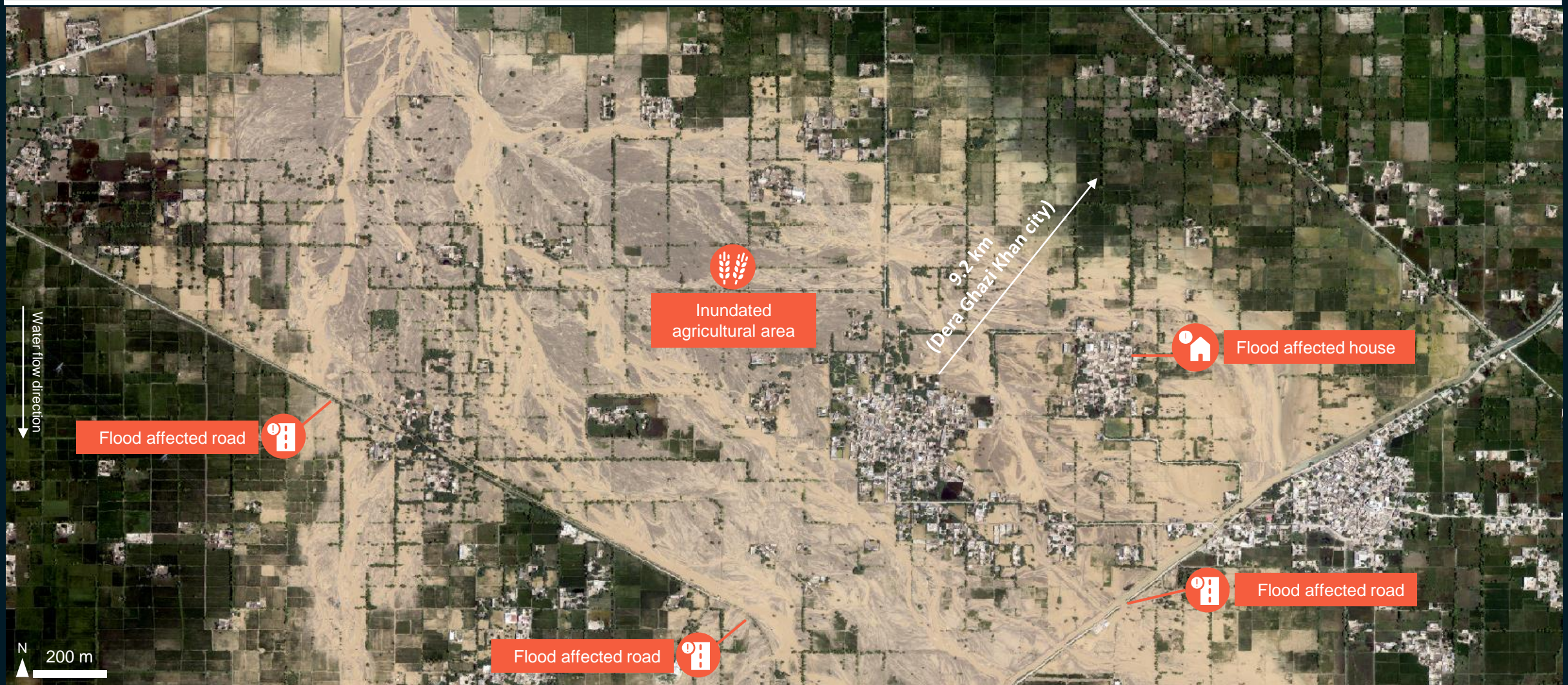
Spot-6 / 1 Sep. 2022

AOI 1 DERA GHAZI KHAN DISTRICT, PUNJAB PROVINCE

Image center:
70°34'58.676"E
29°57'42.58"N



Flood affected structures, roads and inundated agricultural areas observed



WorldView-2/ 30 Aug. 2022

AOI 1 MUZAFFARGARH DISTRICT, PUNJAB PROVINCE

Image center:
70°47'1.876"E
30°0'46.936"N



Washed away agricultural area and damaged road observed



WorldView-2 / 19 Jan. 2021



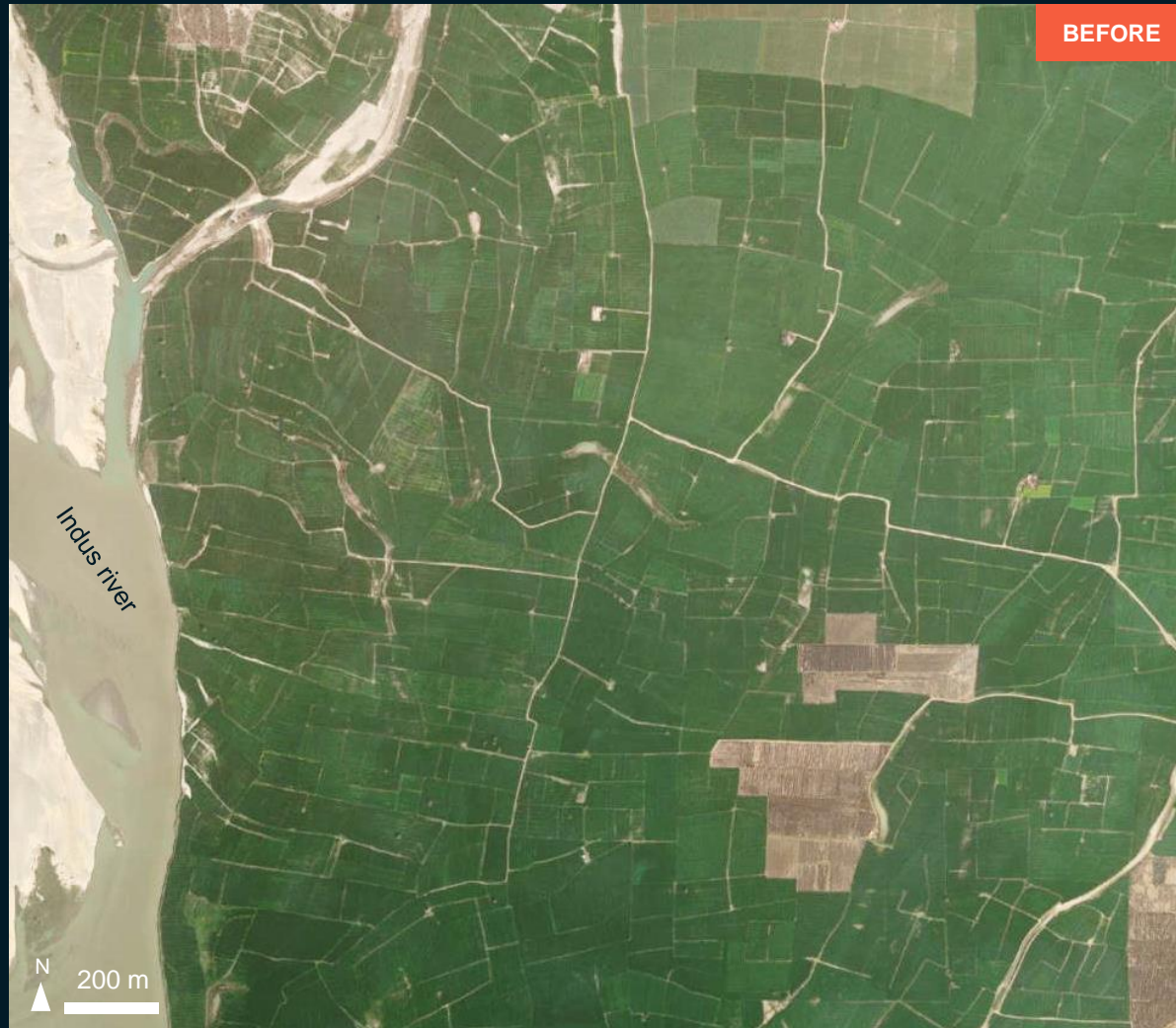
Spot-6 / 1 Sep. 2022

AOI 1 MUZAFFARGARH DISTRICT, PUNJAB PROVINCE

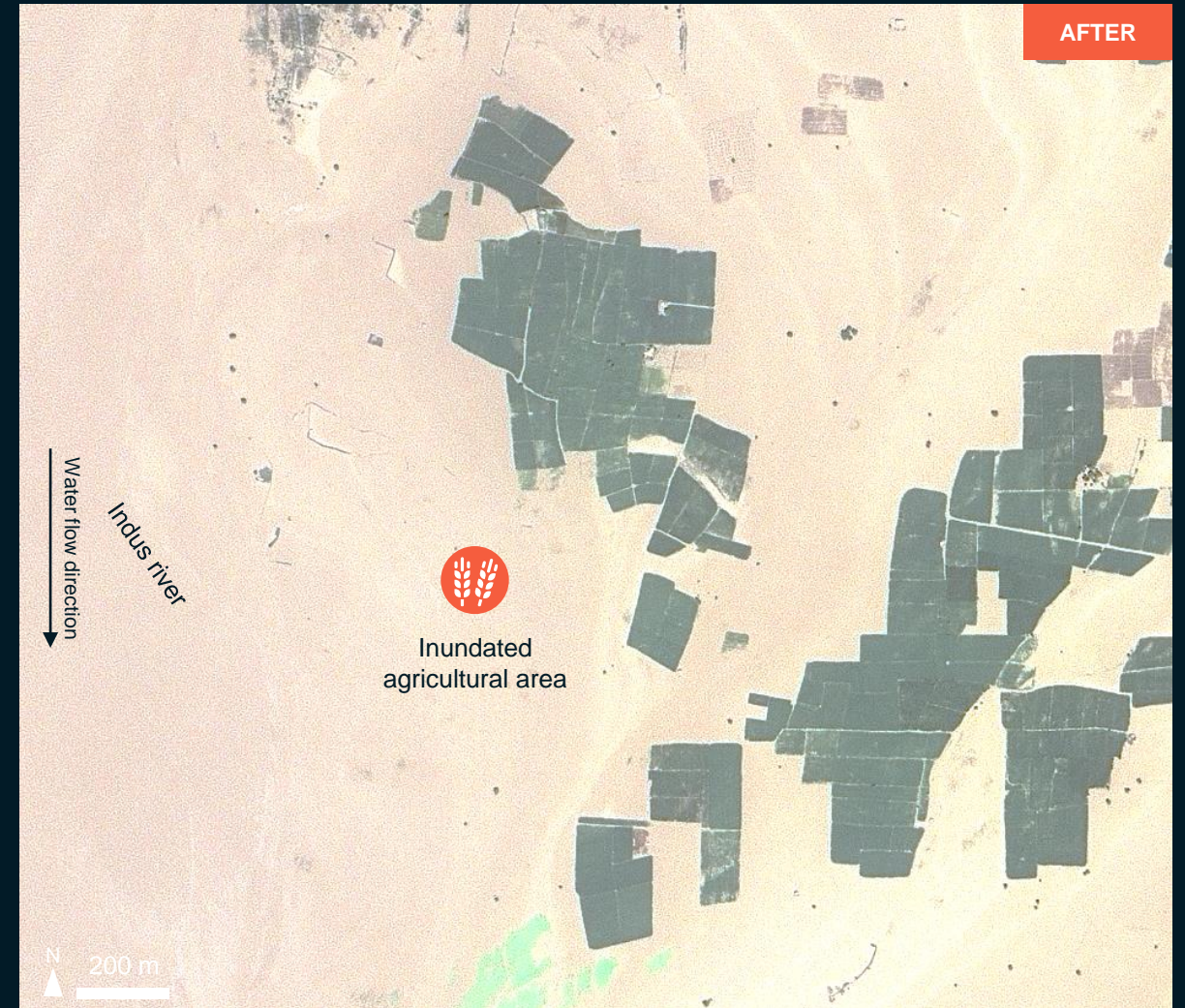
Image center:
70°49'35.347"E
30°0'2.449"N



Inundated agricultural areas observed



WorldView-2 / 15 Feb. 2021



Spot-6 / 1 Sep. 2022

AOI 1 MUZAFFARGARH DISTRICT, PUNJAB PROVINCE

Image center:
70°48'49.661"E
30°3'48.882"N

Punjab
Province



UNOSAT

Ghaazi Ghaat bridge appears to be intact / Inundated agricultural areas observed



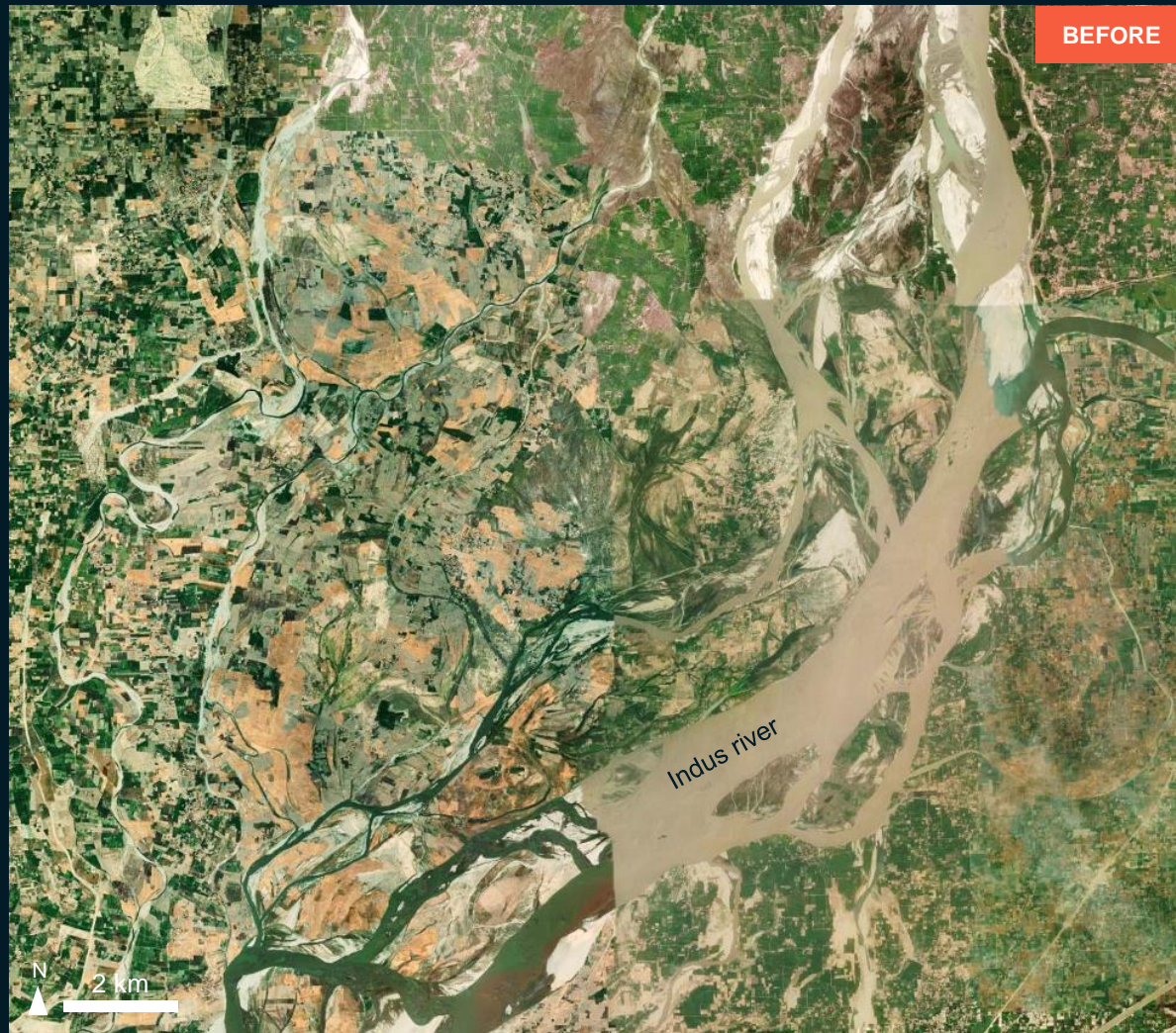
Spot-6 / 1 Sep. 2022

AOI 1 RAJANPUR, MUZAFFARGARH AND RAHIM YAR KHAN DISTRICTS, PUNJAB PROVINCE

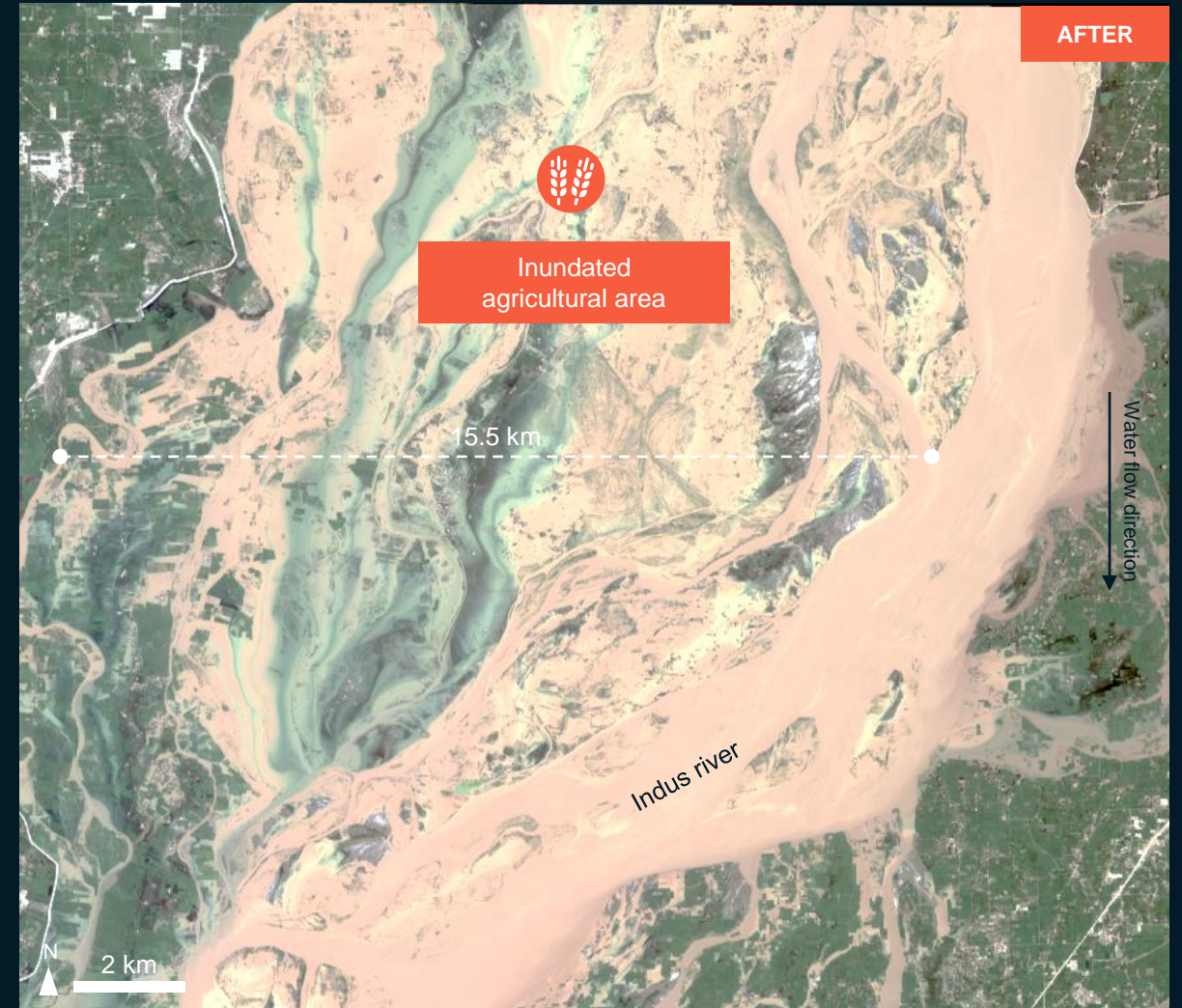
Image center:
70°36'32.099"E
29°7'21.112"N



Inundated agricultural areas observed



GeoEye-1 / 7 May. 2021



Spot-6 / 1 Sep. 2022

AOI 1 MUZAFFARGARH DISTRICT, PUNJAB PROVINCE

Image center:
70°36'20.016"E
29°6'42.91"N



Inundated agricultural areas and affected houses observed



GeoEye-1 / 7 May. 2021



Spot-6 / 1 Sep. 2022

AOI 1 RAHIM YAR KHAN DISTRICT, PUNJAB PROVINCE

Image center:
70°26'17.656"E
28°53'59.231"N



Chachran bridge appears intact / Inundated agricultural area observed



Spot-6 / 1 Sep. 2022

SUMMARY OF FINDINGS

- Large floods observed all along the Indus river;
- Inundated villages and inundated agricultural areas observed in Muzaffargarh District, Punjab Province as of 1 Sep. 2022;
- Ghaazi Ghaat and Chachran bridges seem to be intact as of 1 Sep. 2022

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Data sources:

(1) Satellite Image (Post-event)

Spot-6 : 1 Sep. 2022

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Source: Airbus DS

WorldView-3 : 29 Aug. 2022

Copyright: 2022 Digital Globe

Source: USGS

(2) Satellite Image (Pre-event)

WorldView-2 : 19 Jan. 2021, 15 Feb. 2021

Copyright: 202 Digital Globe

Source: ESRI Basemap

GeoEye : 7 May 2021

Copyright: DigitalGlobe Inc

Source: ESRI Basemap

(3) Ancillary data

Administrative boundaries: OCHA

Analysis: United Nations Satellite Centre (UNOSAT)

Production: United Nations Satellite Centre (UNOSAT)

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