You asked: Where did it flood in Feni, Chittagong, Bangladesh (17 to 28 August 2024), and how many people live there?

About 39 km² of Feni was under water in radar images from 21 to 28 August 2024. About 4,400 people live there (between 1,100 and 8,000).

Flooded land is land that showed as water in the latest radar pass but was dry in January 2024, the driest month in a normal year here. Rivers and lakes that are there most years are left out.

Our best estimate is 4,400 people, and between 1,100 and 8,000 depending on how strictly water is counted.

The radar saw 100% of the district on these dates.

Flooded area
39 km²
4.4% of the land the radar saw

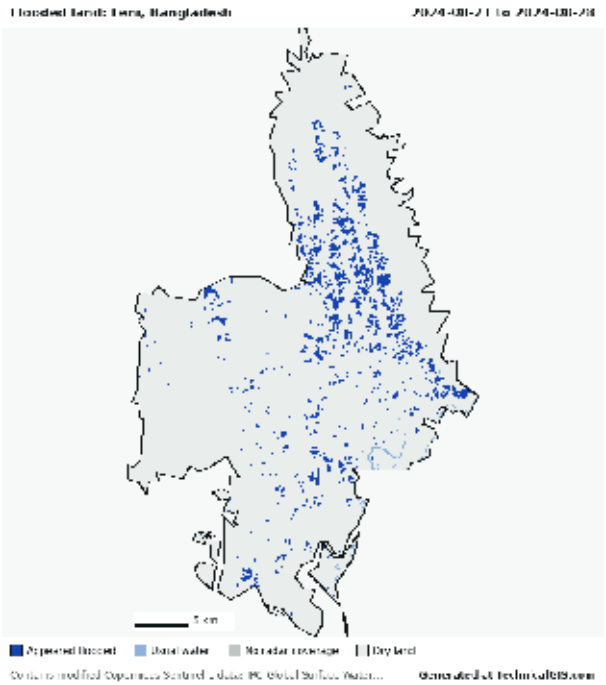
People living there
4,400
between 1,100 and 8,000

Radar images
21 to 28 August 2024
2 Sentinel-1 passes

Compared with
January 2024, the driest month in a normal year
6 Sentinel-1 passes

Map detail
40 m
radar saw 100% of the area

Area
905 km²
Feni, Chittagong, Bangladesh



Fair guide. Satellite estimate — check it against what you see on the ground.

- Radar can't see water under thick forest or tall crops.
- Radar misses most flooding in towns and cities.
- Steep slopes, sand and very smooth ground can look like water, or hide it.
- Wind can roughen open water and hide it.
- This shows the moment of the radar pass; water may have spread or drained since.
- People counts come from the GHSL 2025 population map (about 100 m). They show who lives where water was seen, not who was harmed.
- The flood map uses 40 m squares, so small patches of water aren't counted.

Data and credits

Sentinel-1 radiometrically terrain corrected backscatter. CC BY 4.0. Contains modified Copernicus Sentinel-1 data, processed to RTC by Catalyst and provided by Microsoft Planetary Computer under CC BY 4.0.
JRC Global Surface Water occurrence. Free of charge, without restriction of use (Copernicus programme). Source: EC JRC/Google. Pekel, J.-F. et al. (2016), Nature 540, 418–422. https://doi.org/10.1038/nature20584.
GHSL GHS-POP R2023A population grid (2025). CC BY 4.0. European Commission, Joint Research Centre: GHS-POP R2023A. Pesaresi, M. et al. (2024), Int. J. Digital Earth 17(1). https://doi.org/10.1080/17538947.2024.2390454. CC BY 4.0. Resampled and summed over the flooded area by TechnicalGIS.
CHIRPS v3 rainfall. CC BY 4.0. UCSB Climate Hazards Center CHIRPS version 3.0, processed by dynamical.org. Funk, C. et al. (2026), Sci Data 13, 718. https://doi.org/10.15780/G2JQ0P. CC BY 4.0.
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