# Flood Extent

**Satellite detected water extent over Sylhet, Mymensingh, Dhaka, and Chattogram Divisions, Bangladesh as of 28 May 2022.**

This map illustrates satellite-detected surface waters in Sylhet, Mymensingh, Dhaka, and Chattogram Divisions, Bangladesh as observed from a Sentinel-1 image acquired on 28 May 2022 at 18:04 local time and using an automated analysis with machine learning method. Within the analyzed area of about 12,000 km², about 4,500 km² of lands appear to be flooded. In this area, about 3,400 km² of cropland and 1,000 km² of herbaceous wetland appear to be likely affected by the flood waters.

Based on Wordpop population data and the detected surface waters in the analyzed area, the potentially exposed population is mainly located in the districts of Sunamganj with ~935,000 people and Kishoreganj with ~771,000 people.

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

**Important note:** Flood analysis may underestimate the presence of standing waters in built-up areas and densely vegetated areas due to backscattering properties of the radar signal.

## Table: Flooded Areas

<table>
<thead>
<tr>
<th>Division</th>
<th>Analyzed Area (km²)</th>
<th>Flood Extent (km²)</th>
<th>Population in Analyzed Area</th>
<th>Potentially Affected Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sylhet</td>
<td>12,000</td>
<td>4,500</td>
<td>14,000,000</td>
<td>2,900,000</td>
</tr>
<tr>
<td>Mymensingh</td>
<td>3,400</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dhaka</td>
<td>1,000</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Legend

- **City town**
- **International boundary**
- **District boundary**
- **Primary road**
- **Secondary road**
- **River road**
- **Analysis extent**
- **Reference water**
- **Herbaceous wetland flooded [28 May 2022]**
- **Satellite detected water [28 May 2022]**

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