Satellite detected water extent as of 8 August 2020 in central part of Myanmar

This map illustrates satellite-detected surface waters over Ayeyarwady, Bago (West) and Yangon Region of Myanmar as observed from a Sentinel-1 image acquired on 8 Aug 2020. Within the analyzed area of about 31,000 km², a total of about 2,800 km² of lands appear to be flooded. Based on Worldpop population data and the detected surface waters, about 420,000 people are potentially exposed or living close to flooded areas. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR - UNOSAT.

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

Legend
- City / Town
- Road
- Railway
- Division boundary
- District boundary
- Reference water
- Analysis Extent
- Satellite detected water [8 August 2020]
- Satellite detected water [5 August 2020]

<table>
<thead>
<tr>
<th>Main Region</th>
<th>District</th>
<th>Flood Extent [km²]</th>
<th>Total Population (in AD)</th>
<th>Percentage of population exposed to floods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ayeyarwady</td>
<td>Taunggyi</td>
<td>1,240</td>
<td>220,000</td>
<td>16%</td>
</tr>
<tr>
<td></td>
<td>Nyaungshwe</td>
<td>360</td>
<td>67,000</td>
<td>5%</td>
</tr>
<tr>
<td></td>
<td>Pathein</td>
<td>1,100</td>
<td>170,000</td>
<td>10%</td>
</tr>
<tr>
<td>Bago (West)</td>
<td>Bago</td>
<td>550</td>
<td>90,000</td>
<td>6%</td>
</tr>
<tr>
<td></td>
<td>Thanlyin</td>
<td>550</td>
<td>90,000</td>
<td>6%</td>
</tr>
<tr>
<td></td>
<td>Yangon</td>
<td>3,790</td>
<td>4,399,665</td>
<td>8%</td>
</tr>
</tbody>
</table>

Map Scale for A3: 1:600,000

Analysis conducted with ArcGIS v10.7
Coordinate System: WGS 1984 UTM Zone 46N
Projection: Transverse Mercator
Datum: WGS 1984
Units: Meter

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