This map provides an overview of satellite detected waters near Ha Long City in Quang Ninh Province, northern Vietnam. UNITAR-UNOSAT identified 902 hectares of flood affected land within the analyzed region. Analysis of the majority of Ha Long District revealed 303 hectares of flooding and 599 hectares of flood waters in most of Hoanh Bo District. Approximately 0.55 kilometers of roads were possibly affected in these areas as well. It is likely that flood waters have been systematically underestimated along highly vegetated areas along main river banks, and within built-up urban areas because of the special characteristics of the satellite data used. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR-UNOSAT.

Flooded Areas & Possibly Affected Roads in Analyzed Region

<table>
<thead>
<tr>
<th>Province</th>
<th>District</th>
<th>Land (ha)</th>
<th>Roads (km)</th>
<th>% Analyzed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quang Ninh</td>
<td>Ha Long</td>
<td>303</td>
<td>0.35</td>
<td>74%</td>
</tr>
<tr>
<td>Hoanh Bo</td>
<td>599</td>
<td>0.40</td>
<td>70%</td>
<td></td>
</tr>
</tbody>
</table>

*Denotes a partially analyzed area

Map Scale for A3: 1:60,000

Production Date: 8/27/2015
Version 2.0
GLIDE Number: FL-2015-00098-VNM

Analysis conducted with ArcGIS v10.3
Coordinate System: WGS 1984 UTM Zone 46N
Projection: Transverse Mercator
Datum: WGS 1984
Units: Meter

The depiction and use of boundaries, geographic names and related data shown here are not warranted to be error-free nor do they imply official endorsement or acceptance by the United Nations. 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 yet been agreed upon by parties. UNOSAT is a program of the United Nations Institute for Training and Research (UNITAR), providing satellite imagery and related geographic information, research and analysis to UN humanitarian and development agencies and their implementing partners.

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Disaster coverage by the International Charter ‘Space and Major Disasters’. For more information on the Charter, which is about assisting the disaster relief organizations with multi-satellite data and information, visit www.disasterscharter.org

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OVERVIEW OF FLOOD WATERS NEAR HA LONG CITY, QUANG NINH PROVINCE, VIETNAM

Analysis with Radarsat-2 Data Acquired 02 August 2015 and 28 March 2015