BANGLADESH - Rohingya Refugee Crisis - Cox's Bazar District - Camp 8W: Flood Exposure - Shelters INTER SECTOR COORDINATION GROUP VERSION 1.0
For Humanitarian Purposes Only Flood Hazard - Hydrodynamic Modelling **Shelters Exposed to Floods** Number of Shelters Exposed to Floods per 50m Grid Production date: 31.03.2021 Camp 2W Camp 2W Camp 3 Camp 3 Camp 3 Camp 2E Camp 2E Camp 2E Camp 4 Camp 4 Camp 6 Camp 6 Camp 6 Camp 5 Camp 5 Camp 5 Camp 7 Camp 7 Camp 8W Camp 9 Camp 9 Camp 10 Camp 10 Camp 10 Camp 18 Camp 18 Camp 18 BANGLADESH / Description:

This map shows modelled water depths from a 10-year average return interval This map is designed to assist planners and decision makers identify priority areas for Background: Hillshade derived from NPM - UAV Orthographic DEM, January 2019 (ARI) pluvial flood event from 24hrs of sustained precipitation. Maps also indicate interventions at camp level. It is NOT designed as a stand-alone tool for detailed site

Drone Imagery: IOM NPM, January 2019

Flood Depth

High (> 1m)

Block Boundary

Camp 8W

Low (0.05 to 0.5m)

Moderate (0.5 to 1m)

Flood Damage to Shelters

Fully Damaged (> 1m)

Camp 8W

Roads

Block Boundary

Partially Damaged (0.1 to 1m)

Camp 12

Camp 11

planning decisions. Map results need to be ground verified and decisions combined with Structure Footprint: UNOSAT-REACH, 2019

the quality of the input data and/or model assumptions and therefore hold a degree of Coordinate System: WGS 1984 UTM Zone 46N

specific on-site evaluation and appropriate technical expertise. The map does not provide Hydrodynamic Modelling: Deltares, 2019

any information about the flow speeds or directions. Results are derived from remote sensing Camp Boundary: ISCG, 2020

data and computational modelling; they are not ground proofed and are inherently limited by

Camp Footpaths: ISCG, 2019

uncertainty. The areas outside the flood zones are not necessarily free from any danger.

Flood depths are derived from hydrodynamic flood modelling (Deltares & WFP, Further details on the modelling can be found in the Summary Report produced by 2019). They can be seen in full in the Flood Hazard – Hydrodynamic Modelling – 10 the Natural Hazards and Risk Analysis Task Force in 2019. Please submit any Year Average Return Interval v2.1 map (REACH, 2019).

the maximum flood depths within structures.

0.05 to 0.5m: low flood depth and partial damage.

0.5 to 1.0m: moderate flood depth and full damage.

Year Average Return Interval v2.1 map (REACH, 2019).

1.0m or higher: high flood depth and full damage.

Depth Classification

Block Boundary