Proposed Advisory Stillwater Depth for Ayeyarwady Region

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Abstract- This paper proposes the advisory stillwater depth for some townships in Ayeyarwady Region. The computations to predict the advisory stillwater depth were based on the surveyed data from the most affected area of Ayeyarwady Region by Cyclone Nargis. Until more detailed coastal flood risk data are developed, a simplified method recommended by FEMA was used to calculate a site specific Advisory Base Flood Elevation that can be used in place of the BFE on the current situation. The advisory base flood depth was developed to provide communities with advised building elevations for use in the reconstruction process. Advisory stillwater depth was computed reversely from the advisory base flood depth to analyse the expected magnitude and effects of flood load on structure in coastal region. The results of this study can give pertinent information such as base flood elevation areas inundated by various magnitudes of flooding and coastal high hazard areas. Because of a still lack of the flood hazard map in our country, the information from this paper can provide the essentially necessary information to the designers before the appearance of detail flood map to classify the regions of risk.

Keywords- Advisory Stillwater Depth, Flood Recovery Map, Flood, Base Flood Depth, Coastal Hazard.

Remark: The full paper may be found in www.inrit2011.com or www.ijcim.th.org.