

Origin of Salinity Problems during Tsunami and Remedial Measures in Coastal Areas

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Abstract : In the aftermath of the tsunami in 2004 and terrible humanitarian disaster affecting thousands of kilometers of coastal south, the immediate priority is to begin the process of reconstruction of livelihoods including basic services. It is likely that many coastal wetlands would have been affected by the large inflow of salt-water and littoral sediments during the tsunami, with longer-term effects including changes in their hydrogeology caused by changes to coastlines and damage to sea-defenses. The reconstruction process is likely to provide opportunities to better integrate environmental protection and management with economic development in the region, including the opportunity to conserve and restore coastal habitats. Presented herein is a study pertaining to salinity problems encountered in coastal south during tsunami in 2004 and the consequent loss of fertility of agricultural land including remedial measures to revitalize economic growth in the region.

Keywords : tsunami, salinity, costal area, reconstruction

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