

ASSESSING OF SALINITY INTRUSION AT CO CHIEN ESTUARY USING 3D MODEL

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Summary

Therefore, in this study, 3D model is used to simulate salt-wedge in dry season of 2018 at Co Chien estuary, Ben Tre province. The simulating results has proved that there is the presence of salt-wedge in the study area and causing effect farther inland more than the salinity in the surface water. Salt-wedge moving further inland up to 60 km with the salinity up to 18 which is higher than the salinity on the surface, 4 g/l. The obtained results will help strategic planners to use and preserve water resources more effectively and serve as a basis for new research directions on saline intrusion.

Keywords: *Salt-wedge, salinity intrusion, Delft3D model, Co Chien estuary.*