

Sea tide change of salt wedge in Shimantogawa river.

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In this paper, we will discuss about salt-water wedge which exists near the river-mouth of Shimanto River.

Strong halocline and weak thermo cline can be observed about 2 meters under the water surface.

This halocline can be traced as a remarkable reflector by acoustic equipment SC3 system.

Vertical position and its form are varied by tides. Their form of deformation and mechanisms are discussed.