

津波が引き起こす大阪湾での海底堆積物・物質の巻き上げ

Suspension of marine sediment and materials caused by tsunami in Osaka Bay

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The Nankai Trough Earthquake will hit within 30 years, and a huge tsunami will be caused. Marine sediment will be suspended and transported by the tsunami. Not only cysts but also heavy metals are contained in the marine sediment in the inner part of Osaka Bay. We calculated the temporal variation of concentrations of heavy metals, nutrients and so on in the water column while a tsunami caused by the Nankai Trough Earthquake attacks Osaka Bay, and discussed these characteristics. When huge tsunami attacks Osaka Bay, marine sediment will be suspended and there is possibility that the concentrations of heavy metals exceed the environmental criteria for the seawater.

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