

Characteristics of groundwater flow and distribution of water property in the Marugame coastal plain, Kagawa prefecture

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The characteristics of groundwater flow and distribution of water property were confirmed in the Marugame coastal plain, Kagawa prefecture. The distribution of nutrient concentrations and ^{18}O suggests that the shallow groundwater is mainly recharged from the Doki-River and paddy field located on the alluvial fan. The deep groundwater is suggested to be recharged in more highland area than the shallow groundwater. The potential of the deep groundwater was relatively low in the coastal area. It suggests the effect of excess abstraction of groundwater.