

Shape of coastal gravel and natural persistence of stranded oil

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<http://www.gsh.pref.hokkaido.jp/map/shore1/index.htm>

In January, 1997, the Russian tanker Nakhodka broke and spilled out much heavy crude oil to the Sea of Japan. Stranded oil from the tanker still remains in some coasts. When floating oil slicks strand on coast, the oil fate and effects, and cleanup methods vary significantly by shoreline type. This report showed that there is some relation, between shape of oastal gravel and natural persistence of stranded remaining oil of Nakhodka on the coast. The oil on the gravel beach which the sphericity of gravel is more than 0.78 is removed by wave in less than 5 years. On the other hand, when the sphericity of the gravel is less than 0.77, oil have persisted in the beach more than 8 years.