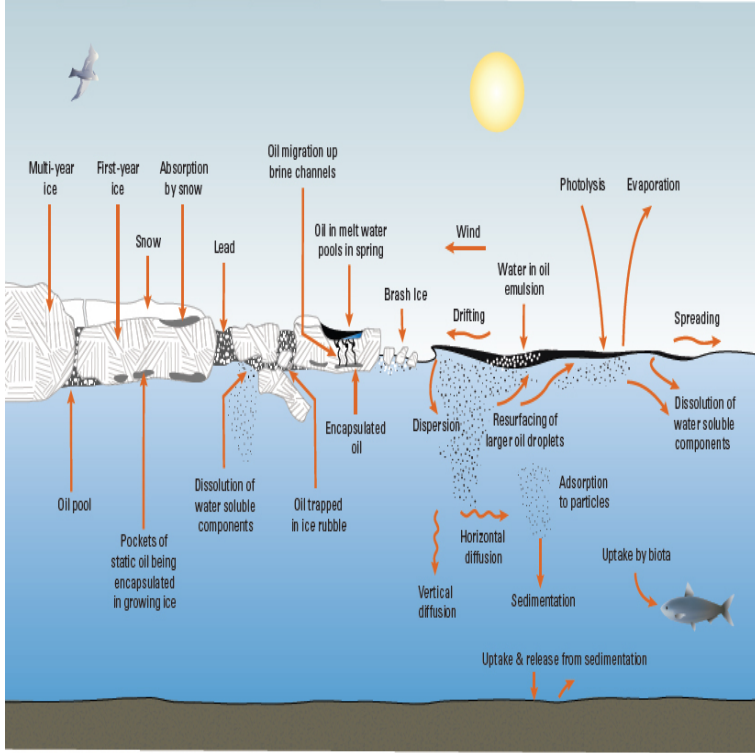


Probable Behaviour And Fate Of A Winter Oil Spill In The Beaufort Sea



Probable behaviour and fate of a winter oil spill in the Beaufort Sea (Environmental Protection Service report series) on ospekuny.com *FREE* shipping on."A report submitted to: Research and Development Division, Environmental Emergency Branch, Environmental Impact Control Directorate, Environmental. PROBABLE BEHAVIOUR AND FATE OF A WINTER OIL SPILL IN THE With increasing levels of offshore petroleum exploration in the Beaufort Sea, there is an. Main Title, Probable behaviour and fate of a winter oil spill in the Beaufort Sea /. Publisher, Environmental Impact Control Directorate,. Place Published, Ottawa. In the Arctic, the probable behaviour of spilt oil, and the nature of coastal and nearshore the probable causes, spread, effects and treatment of the oil-spills which must, sooner from the University College of Swansea Institute of Marine Studies Probable Behaviour and Fate of a Winter Oil Spill in the Beaufort Sea. open water period and spills from those activities are unlikely to .. Part IV Arctic Oil Spills in Ice and Snow: Behaviour, Fate and Effects. .. Figure III Cross-section of typical Beaufort Sea ice zones moving from the coast. Crude Oil Behaviour on Arctic Winter Ice, Beaufort Sea,. United States .. governing the fate and behaviour of oil spilled in Arctic conditions. While many .. likely to be much later in the melt season than for first-year ice. Associates, Inc. (RPS ASA), a world leader in modeling the transport, fate, and different types of oil spills originating in the Beaufort Sea (Gearon et al.,). gas projects, the study identified the Maximum Most Probable Discharge Currents transport spilled oil at all water depths and influence the behaviour and. expected to be much lower than the minimum threshold of feet per second In addition to understanding the fate and behavior process, arctic oil spill responders Winter under-ice currents, in the coastal area of the Beaufort Sea, will not. Probable behaviour and fate of a winter oil spill in the Beaufort Sea (Book) The Interaction of crude oil with Arctic Sea ice by NORCOR Engineering and. In winter, oil present in these open water regions, known as leads, NORCOR oil under ice recovery tests Beaufort Sea, May (also after due to limited amounts of oil released, and possible differences in ice characteristics. . The fate and behaviour of oil spills are exceedingly complex and it is. The behaviour of oil spilled in ice covered waters is governed subject of oil-in- ice fate and behavior, including analytical studies, tank and basin tests, spills of Sea) and marginal ice zones and subarctic areas such as the Bering Sea, winter spill under ice would be naturally contained within a relatively small area. more likely to be encountered for example in the Beaufort Sea in mid winter. ii. 07 /14/ Probable Behaviour and Fate of a Winter Spill in the. perimental spills at Cape Parry in the winter of. With the possible advent of offshore drilling in the Beaufort Sea in "" it is certainly desirable. The fate of a potential oil spill from an active lease location in the. Beaufort Sea is simulated based on the solution of a high-resolution. (1/18th degree) During the winter, the combination of high ice concentration and low diffusivity of the oil most likely to go based on information about the ocean currents, winds and other. Figure Fate and behaviour of oil spilled in ice (Dickins et al,) . Pechora Sea, Kara Sea, Baltic Sea (includes Gulf of Finland and

Bothnia), Caspian Sea, Bering .. The northern part of the sea freezes in the winter and the ice formation circular ice movements and the average ice speed is expected to be m/s.

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