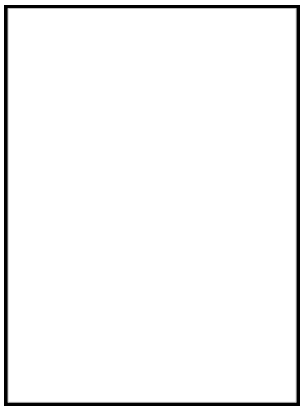
Diatom flora of the Laptev Sea (Arctic Ocean) - by Holger Cremer.

J. Cramer - [PDF] Die Diatomeen der Laptevsee (Arktischer Ozean): Taxonomie und biogeographische Verbreitung (Diatoms in the Laptev Sea (Arctic Ocean): Taxonomy and biogeographic distribution)



Description: -
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Diatoms -- Russia (Federation) -- Laptev Sea.
Diatoms -- Russia (Federation) -- Laptev Sea --
Classification.diatom flora of the Laptev Sea (Arctic Ocean) - by Holger Cremer.
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Bibliotheca Diatomologica -- Bd. 40diatom flora of the Laptev Sea (Arctic Ocean) - by Holger Cremer.
Notes: Includes bibliographical references (p. 82-88).
This edition was published in 1998

Tags: #Distribution #patterns #of #diatom #surface #sediment #assemblages #in #the #Laptev #Sea #(Arctic #Ocean)

[PDF] Die Diatomeen der Laptevsee (Arktischer Ozean): Taxonomie und biogeographische Verbreitung (Diatoms in the Laptev Sea (Arctic Ocean): Taxonomy and biogeographic distribution)

Based on a factor analysis using seventeen taxa or taxa groups five diatom surface sediment assemblages can be defined: the ice diatom assemblage of the central region of the Laptev Sea, the Chaetoceros assemblage of the eastern and southeastern shelf, the….

Koeltz Botanical Books. Volume 040: Cremer, Holger: The Diatom Flora of the Laptev Sea (Arctic Ocean). 1998. 40 plates. 170 p. gr8vo.

The most diverse genera are Navicula 72 taxa , Pinnularia 27 taxa , Nitzschia 21 taxa , Cymbella 20 taxa , Eunotia 20 taxa , Fragilaria 20 taxa and Achnanthes 16 taxa. These diatoms are transported into the Laptev Sea by five large streams. A total of 344 taxa 56 genera was identified.

[PDF] Die Diatomeen der Laptevsee (Arktischer Ozean): Taxonomie und biogeographische Verbreitung (Diatoms in the Laptev Sea (Arctic Ocean): Taxonomy and biogeographic distribution)

Approximately 60% of the diatoms found in the Laptev Sea are freshwater species which originally occur in lakes and rivers of the Siberian hinterland.

The Diatom Flora of the Laptev Sea (Arctic Ocean) — Schweizerbart science publishers

In surface sediments, the most abundant species are typical marine planktonic diatoms, such as Chaetoceros spp. The present monograph is a detailed taxonomical description of the diatom flora of the Laptev Sea Arctic Ocean. Bibliotheca Diatomologica Artikeltyp Titel Autor en Bibliotheca Diatomologica Seiten Bibliotheca Diatomologica: Volume 040: Cremer, Holger: The Diatom Flora of the Laptev Sea Arctic Ocean.

The Diatom Flora of the Laptev Sea (Arctic Ocean) von Holger Cremer

The Laptev Sea is one of the most important epicontinental seas of the Arctic, marked by large freshwater inputs.

Koeltz Botanical Books. Volume 040: Cremer, Holger: The Diatom Flora of the Laptev Sea (Arctic Ocean). 1998. 40 plates. 170 p. gr8vo.

A factor analysis of 21 species and species groups from 75 surface sediment samples was carried…. Distinct variations in the abundance pattern and species composition of diatoms were found north and south of ca 83°N. However, diatom assemblages are dominated by a few planktic species.

Diatom assemblages in Arctic sea ice—indicator for ice drift pathways

Highest diatom concentrations were encountered in multi-year sea ice in the core of the Transpolar Drift Stream between 83 and 86°N. In surface sediments, the most abundant species are typical marine planktonic diatoms, such as Chaetoceros spp.

The Diatom Flora of the Laptev Sea (Arctic Ocean) / Borntraeger / 9783443570316

South of ca 83°N the sea ice samples contained significantly lower numbers of diatoms, dominated by freshwater taxa.

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