

C-CORE

INTELLIGENCE



CURIOSITY



PRACTICALITY



Ice Engineering Expertise

Current and Historical Ice Environment Characterization

Accurate characterization of the ice environment within an operational area supports vessel and marine/seabed infrastructure design and assists operators in identifying optimal operational windows and developing ice management plans that minimize downtime and limit operational risk. C-CORE provides both current and historical information to define ice regimes.

The ice environment is understood based on imagery from satellite and aircraft-borne sensors, along with in-situ measurement and field observations, which detail iceberg location, size, shape and areal density, as well as sea ice concentration, type and floe size.

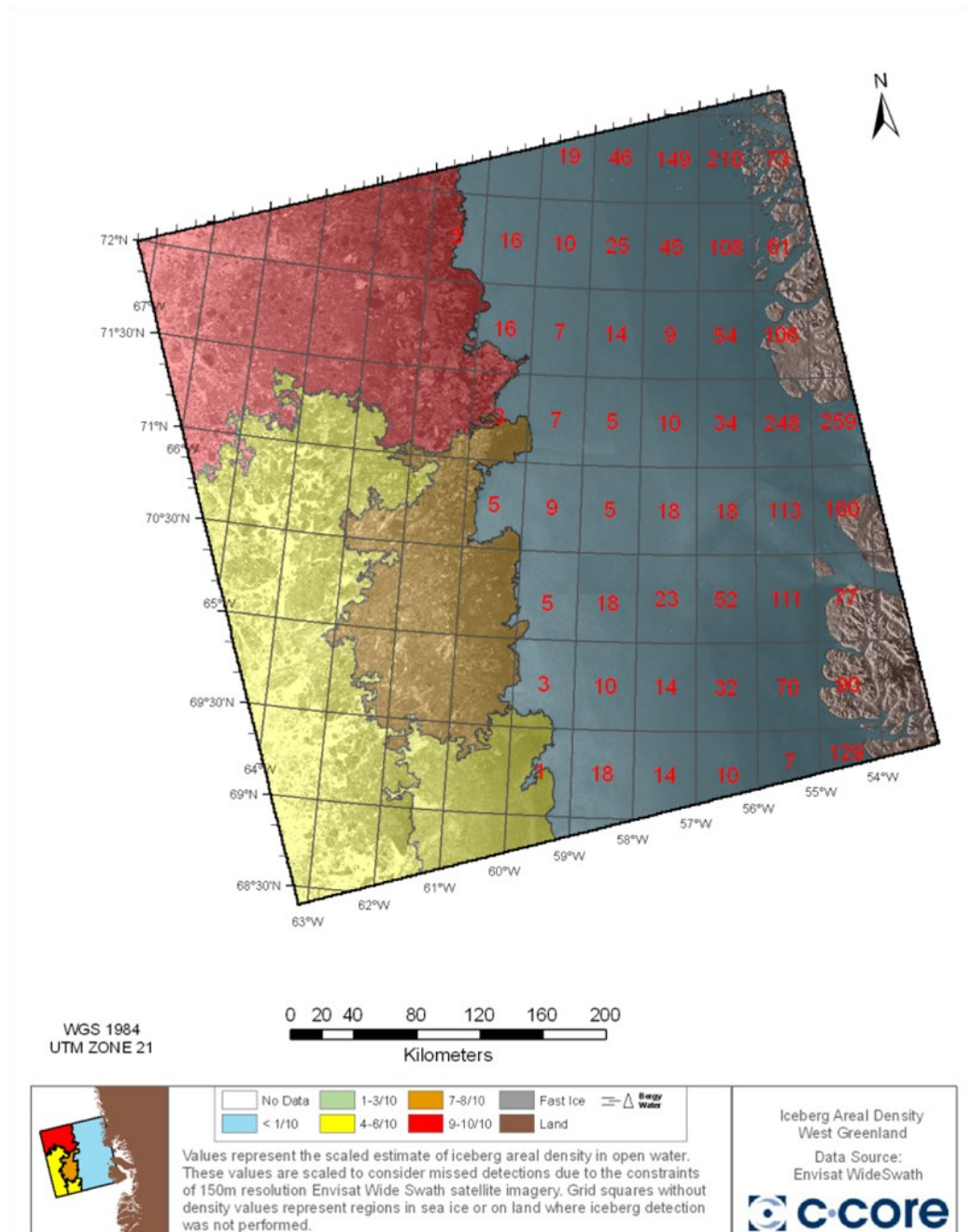
In areas where infrastructure such as pipelines and subsea wellheads are being considered, C-CORE also brings to bear its geotechnical expertise in interpretation of seabed data to determine potential for, frequency of and depth of ice keel scour.



Ice Engineering Expertise

Current and Historical Ice Environment Characterization

Seasonal ice/iceberg density charts provide a statistical representation of the average ice coverage in a specified area during a given time period. These charts are particularly useful for planning operations in frontier areas where little information is available on seasonal ice/iceberg coverage and frequency; they are typically derived from hundreds of historical satellite images of the area of interest and allow operators to anticipate what kind of ice and iceberg intrusion to expect - where, when and how often.



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