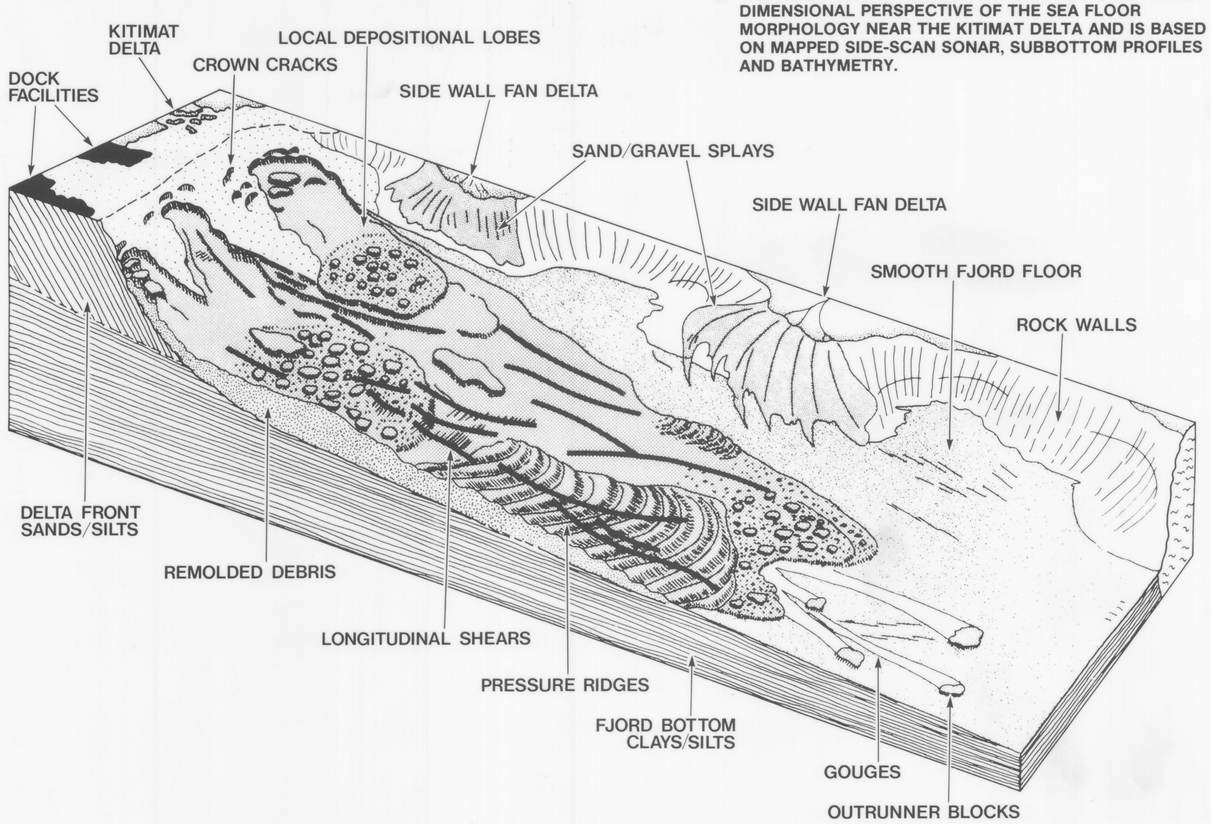
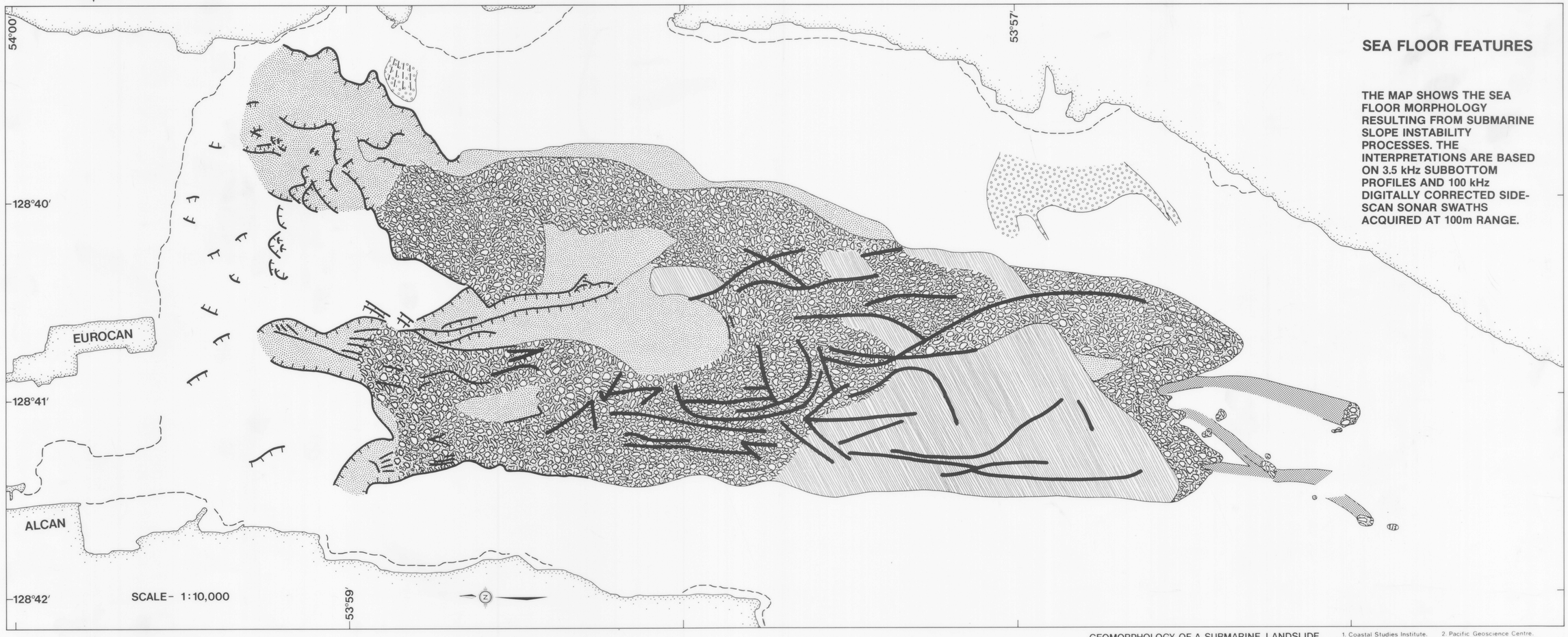
GEOLOGICAL SURVEY OF CANADA COMMISSION GÉOLOGIQUE DU CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES
MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES

THE INTERPRETIVE SCHEMATIC ILLUSTRATES A THREE-DIMENSIONAL PERSPECTIVE OF THE SEA FLOOR MORPHOLOGY NEAR THE KITIMAT DELTA AND IS BASED ON MAPPED SIDE-SCAN SONAR, SUBBOTTOM PROFILES AND BATHYMETRY.



- SCARPS
- DISTURBED SEDIMENTS
- HEAVILY DISTURBED SEDIMENTS
- COMPRESSIONAL RIDGES
- LONGITUDINAL SHEARS
- OUTRUNNER BLOCKS AND SCOURS
- FAN DELTA DEPOSITS



SEA FLOOR FEATURES

THE MAP SHOWS THE SEA FLOOR MORPHOLOGY RESULTING FROM SUBMARINE SLOPE INSTABILITY PROCESSES. THE INTERPRETATIONS ARE BASED ON 3.5 kHz SUBBOTTOM PROFILES AND 100 kHz DIGITALLY CORRECTED SIDE-SCAN SONAR SWATHS ACQUIRED AT 100m RANGE.

GEOMORPHOLOGY OF A SUBMARINE LANDSLIDE, KITIMAT ARM, BRITISH COLUMBIA

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