

DESCRIPTION OF MAP UNITS

- Snow avalanches - Significant potential for snow avalanches based on the presence of steep topography.
- Naleds - Area susceptible to winter buildup of thick seasonal icing sheets (naleds).

DESCRIPTION OF MAP SYMBOLS

- Jokulhlaups - Area prone to large-magnitude floods due to sudden drainage of glacier-dammed lakes upstream (jokulhlaups).
- Definitely active fault - Clear evidence of movement during the past 10,000 years; solid where location is known, dashed where approximately located, dotted where inferred.

PERMAFROST

Perennially frozen ground is transitional from discontinuous to sporadic in this quadrangle.

MAP SOURCES

Dean, K.G., 1984a, Stream-icing zones in Alaska: Alaska Division of Geological & Geophysical Surveys Report of Investigations 84-16, 20 p., scale 1:250,000, 102 sheets.

Kachadorian, Reuben, 1960, Engineering geology of the Katalla area, Alaska: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-308, scale 1:63,360, 1 sheet.

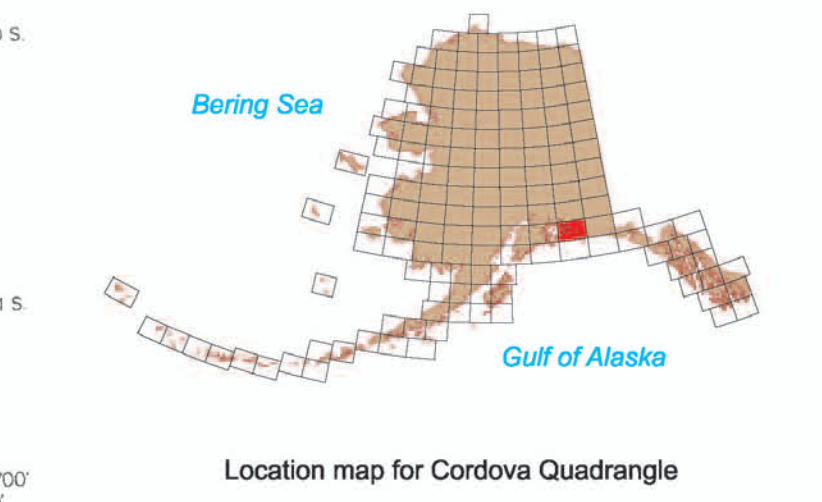
Nelson, S.W., Dumoulin, J.A., and Miller, M.L., 1985, Geologic map of the Chugach National Forest, Alaska: U.S. Geological Survey Miscellaneous Field Studies Map MF-1645B, 15 p., scale 1:250,000, 1 sheet.

Post, Austin, and Mayo, L.R., 1971, Glacier dammed lakes and outburst floods in Alaska: U.S. Geological Survey Hydrologic Investigations Atlas HA-455, 9 p., scale 1:1,000,000, 3 sheets.

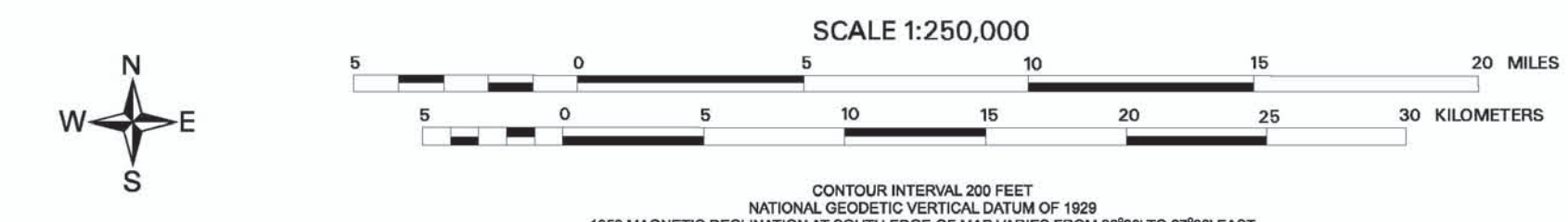
Reger, R.D., 1992 map interpretation.

Tjodal, R.C., Hudson, Travis, and Pfleger, George, 1976, Surface features and recent movement along the Rogged Mountain fault, southcentral Alaska: U.S. Geological Survey Miscellaneous Field Studies Map MF-782, scale 1:24,000, 1 sheet.

Winkler, G.R., and Pfleger, George, 1981, Geologic map and cross sections of the Cordova and Middleton Island Quadrangles, southern Alaska: U.S. Geological Survey Open-file Report 81-1164, 25 p., scale 1:250,000, 1 sheet.



Base from USGS Contour (1969, United Nations 1982) Quadrangle, Alaska. Digital topography by R.L. Smith, D.S.P. Stevens, and A.G. Blumner, 2003.



MAP OF POTENTIAL GEOLOGIC HAZARDS ALONG PROPOSED TRANSPORTATION CORRIDORS  
 IN THE CORDOVA QUADRANGLE, ALASKA: PART 2, ADDITIONAL HAZARDS

compiled by  
 R.D. Reger  
 2003



The State of Alaska makes no express or implied warranties (including warranties for merchantability and fitness) with respect to the character, functions, or capabilities of the electronic products or services or their appropriateness for any user's purpose. In no event will the State of Alaska be liable for any incidental, indirect, special, consequential or other damages suffered by the user or any other person or entity whether from use of the electronic products or services, any failure thereof or otherwise, and in no event will the State of Alaska's liability to the Requestor or anyone else exceed the fee paid for the electronic product or service.