

DESCRIPTION OF MAP UNITS

■	Significant ground-ice content
■	Seasonal flooding
■	Significant liquefaction potential and seasonal flooding
■	Rapid mass movements, seasonal flooding, and snow avalanching
■	No identified hazards

MAP SOURCES

Brosgé, W.P., Reiser, H.N., Dutro, J.T., Jr., and Detterman, R.L., 1979, Bedrock geologic map of the Philip Smith Mountains Quadrangle, Alaska: U.S. Geological Survey Miscellaneous Field Studies Map MF-879B, scale 1:250,000, 2 sheets.

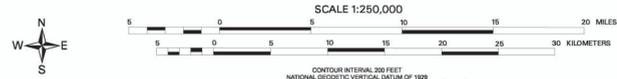
Dean, K.G., 1984a, Stream-icing zones in Alaska: Alaska Division of Geological & Geophysical Surveys Report of Investigations 84-16, 20 p., scale 1:250,000, 102 sheets.

Hamilton, T.D., 1978, Surficial geologic map of the Philip Smith Mountains Quadrangle, Alaska: U.S. Geological Survey Miscellaneous Field Studies Map MF-879A, scale 1:250,000, 1 sheet.



Base from USGS Philip Smith Mountains (1956, limited revisions 1983) Quadrangle, Alaska

Digital cartography by R.L. Smith, D.S.P. Stevens, and A.G. Sturman, 2003



MAP OF POTENTIAL GEOLOGIC HAZARDS ALONG PROPOSED TRANSPORTATION CORRIDORS  
IN THE PHILIP SMITH MOUNTAINS QUADRANGLE, ALASKA: PART 1, DERIVATIVE HAZARDS

compiled by  
D.S.P. Stevens and R.L. Smith  
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 services or products or their appropriateness for any user's purposes. 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 services or products, 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 service or product.