
GIS-Based Identification of Areas that have Resource Potential for Critical Minerals in Six Selected Groups of Deposit Types in Alaska

Edited by
Susan M. Karl,1 James V. Jones, III,1 and Timothy S. Hayes3

With contributions from Matthew Granitto,1 Timothy S. Hayes,1 James V. Jones, III,1 Susan M. Karl,1 Keith A. Labay,1 Jeffrey L. Mauk,1 Jeanine M. Schmidt,1 Nora B. Shew,1 Erin Todd,1 Bronwen Wang,1 Melanie B. Werdon,2 and Douglas B. Yager1

2016

U.S. Geological Survey; 1Alaska Division of Geological & Geophysical Surveys

Prepared in cooperation with the Alaska Division of Geological & Geophysical Surveys

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North American Datum of 1983
Alaska Albers Equal Area Conic projection
North American Vertical Datum of 1988
Scale 1:10,500,000

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EXPLANATION OF MAP SYMBOLS

[Darker shades indicate areas of potential within named mineralization belts; lighter shades show areas of potential outside of these belts]

HIGH POTENTIAL

- High certainty
- Medium certainty
- Low certainty

MEDIUM POTENTIAL

- High certainty
- Medium certainty
- Low certainty

LOW POTENTIAL

- High certainty
- Medium certainty
- Low certainty
- Unknown

- Belt boundary
- Physiographic boundary
- Deposit location


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Estimated Mineral Resource Potential and Certainty for Placer and Paleoplacer Au Deposits

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Estimated Mineral Resource Potential and Certainty for PGE(-Co-Cr-Cu-Ni-Ti-V) Deposits Associated with Mafic to Ultramafic Intrusive Rocks

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U.S. Geological Survey

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100 0 100 200 300 400 500 Miles
50 0 50 100 150 200 250 300 Kilometers

NORTH AMERICAN VERTICAL DATUM OF 1988

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Medium potential
Low potential
Unknown

High certainty
Medium certainty
Low certainty

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Estimated Mineral Resource Potential and Certainty for Sn-W-Mo(-Ta-In-Fluorspar) Deposits Associated with Specialized Granites

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Annotated Mineral Resource Potential for Sn-W-Mo(-Ta-In-Fluorspar) Deposits Associated with Specialized Granites

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