

Mineral Terrane Classifications

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INTRUSIVE TERRANES

- Granitic Rocks
- Alkalic granitic rocks
- Felsic granitic rocks
- Intermediate granitic rocks
- Undivided granitic rocks
- Mafic-Ultramafic Rocks
- Mafic intrusive rocks
- Ultramafic rocks

SEDIMENTARY TERRANES

- Continental Rocks
- Linestone and shale
- Black, carbonaceous shale and limestone
- Phosphatic shale
- Chert
- Marine Rocks
- Conglomerate
- Coal-bearing sandstone and shale
- Graywacke and shale

METAMORPHIC TERRANES

- Metagranite
- Metagabbro
- Metasandstone
- Metasiltstone
- Metashale
- Metasiltstone
- Metasandstone
- Metagabbro
- Metagranite

VOLCANIC-SEDIMENTARY TERRANES

- Felsic Volcanic Rocks
- Alkalic felsic volcanic rocks
- Intermediate felsic volcanic rocks
- Undivided felsic volcanic rocks
- Undivided sedimentary and felsic volcanics

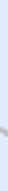
Processes:

- Intrusion
- Sedimentation
- Metamorphism
- Volcanism

Color-coded boxes:

- Granitic Rocks: Intrusive (Pink)
- Alkalic granitic rocks: Intrusive (Pink)
- Felsic granitic rocks: Intrusive (Pink)
- Intermediate granitic rocks: Intrusive (Pink)
- Undivided granitic rocks: Intrusive (Pink)
- Mafic-Ultramafic Rocks: Intrusive (Pink)
- Mafic intrusive rocks: Intrusive (Pink)
- Ultramafic rocks: Intrusive (Pink)
- Continental Rocks: Sedimentary (Blue)
- Linestone and shale: Sedimentary (Blue)
- Black, carbonaceous shale and limestone: Sedimentary (Blue)
- Phosphatic shale: Sedimentary (Blue)
- Chert: Sedimentary (Blue)
- Marine Rocks: Sedimentary (Blue)
- Conglomerate: Sedimentary (Blue)
- Coal-bearing sandstone and shale: Sedimentary (Blue)
- Graywacke and shale: Sedimentary (Blue)
- Metagranite: Metamorphic (Green)
- Metagabbro: Metamorphic (Green)
- Metasandstone: Metamorphic (Green)
- Metasiltstone: Metamorphic (Green)
- Metashale: Metamorphic (Green)
- Metasiltstone: Metamorphic (Green)
- Metasandstone: Metamorphic (Green)
- Metagabbro: Metamorphic (Green)
- Metagranite: Metamorphic (Green)
- Felsic Volcanic Rocks: Volcanic-Sedimentary (Orange)
- Alkalic felsic volcanic rocks: Volcanic-Sedimentary (Orange)
- Intermediate felsic volcanic rocks: Volcanic-Sedimentary (Orange)
- Undivided felsic volcanic rocks: Volcanic-Sedimentary (Orange)
- Undivided sedimentary and felsic volcanics: Volcanic-Sedimentary (Orange)

Coalfields and Placer Deposits

 **COALFIELDS - BITUMINOUS AND SUBBITUMINOUS**
PLACER DEPOSITS

Selected Mines and Significant Mineral Deposits

OPERATING MINES	PAST PRODUCERS	DEPOSIT OR OCCURRENCE
▲	◆	Au, Ag ± As, ± Sb, ± Bi, ± W deposits
▲	◆	Polymeritic deposits (Precious + Base Metals)
▲	◆	Base Metal (Cu, Pb, Zn) ± Ag, ± Bi Deposits
▲	◆	Cu, Mo ± Au Deposits
▲	◆	Sn Deposits
▲	◆	Hg, Sb Deposits
▲	◆	Cr, Ti, Ni, Cu, PGE Deposits
▲	◆	Fe (± Au, ± Cu, ± Ti, ± V) Deposits
▲	◆	U, Th Deposits
▲	◆	Other (Ba, Iode) Deposits
▲	◆	Coal Deposits

ata shown on this map are compiled from:

- Anonymous. 1982. Mineral terranes of Alaska; 7 sheets, scale 1:1,000,000. 33 refs. Publisher: Arctic Environmental Information and Data Center, Fairbanks, AK, United States
- Szumigalski D.J., Swainbank, R.C., 1999. Map of Selected Mines, Coalfields, and Significant Mineral Resources of Alaska; Miscellaneous Map 33, scale 1:2,500,000

Prepared in cooperation with the Alaska Department of Commerce and Economic Development by the Alaska Division of Geological & Geophysical Surveys.

This product is intended for graphic illustration purposes only. Further field investigations and information searches may update the information used to produce this map.

