DEPARTMENT OF THE INTERIOR
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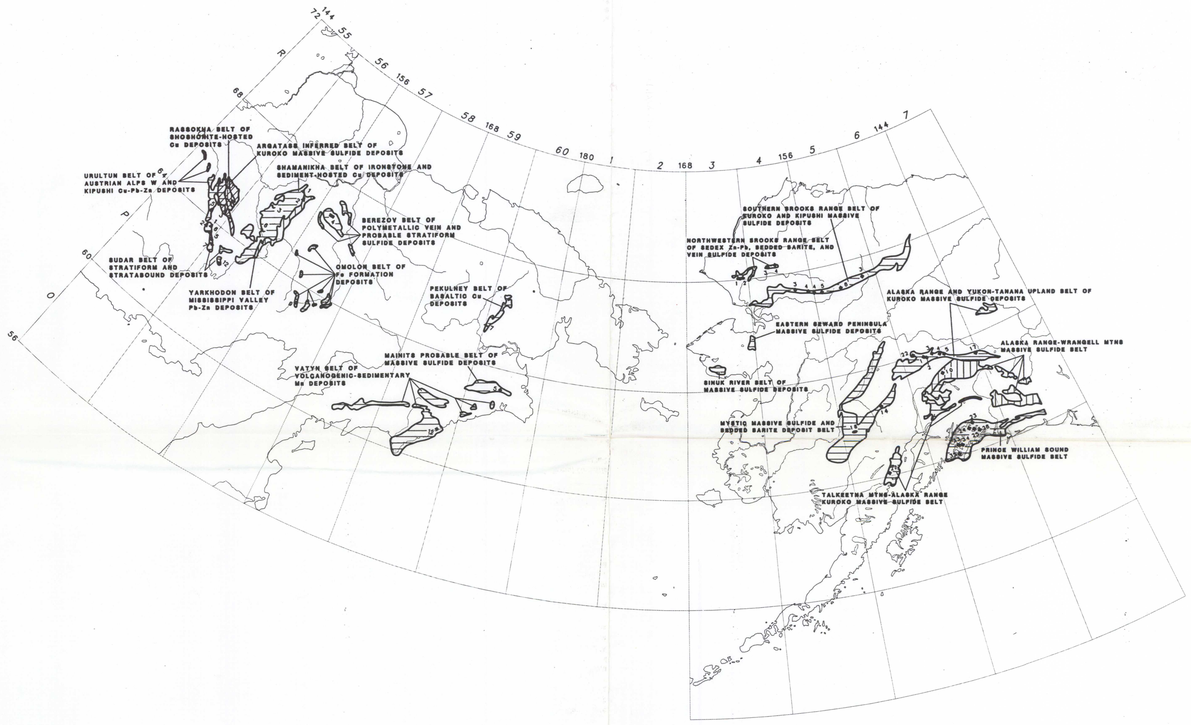
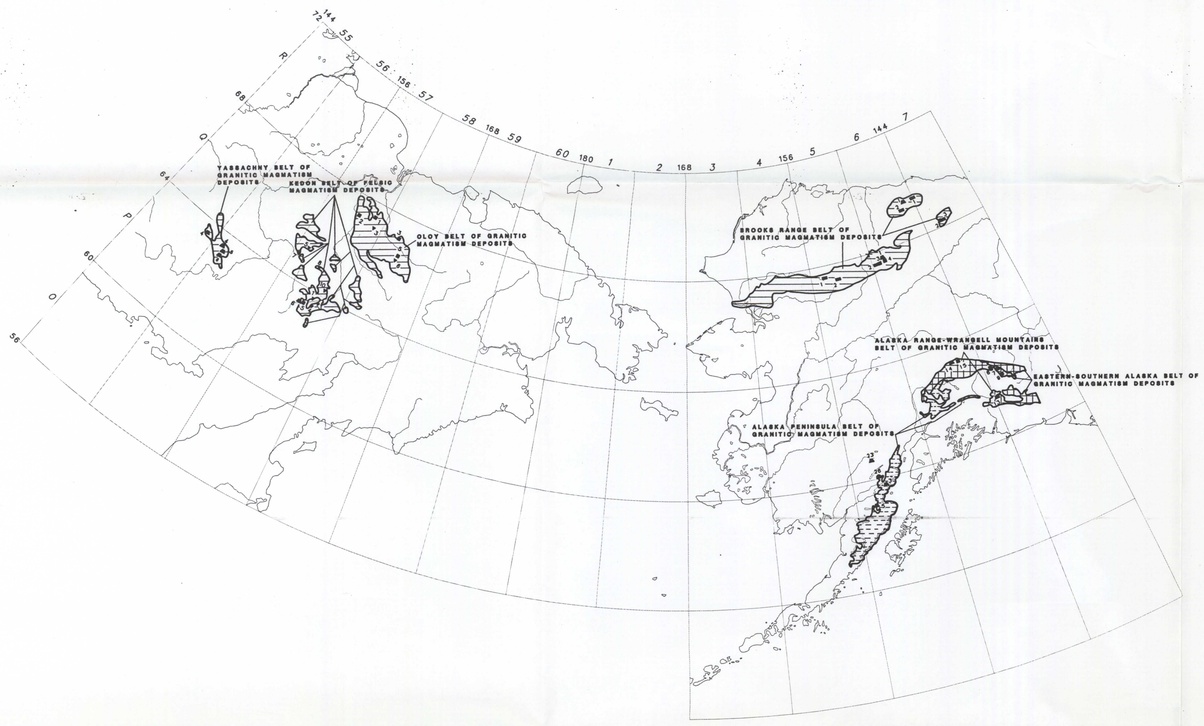
PREPARED IN COLLABORATION WITH
ALASKA DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS AND
RUSSIAN ACADEMY OF SCIENCES

MAP 1. METALLOGENIC MAP OF PRE-ACCRETIONARY DEPOSITS RELATED TO MAFIC AND ULTRAMAFIC ROCKS.



MAP 2. METALLOGENIC MAP OF PRE-ACCRETIONARY MASSIVE SULFIDE, BEDDED BARITE, STRATABOUND Cu, AND Fe FORMATION DEPOSITS.



MAP 3. METALLOGENIC MAP OF PRE-ACCRETIONARY GRANITIC-MAGMATISM-RELATED DEPOSITS.

EXPLANATION

Outline and name of metallogenic belt, and locations of lode mineral deposits with symbols and quadrant deposit numbers within belt.

SYMBOLS FOR LODE AND PLACER DEPOSIT MODELS

Symbol	Deposit Model
◆	**Deposits Related to Marine Felsic to Mafic Extrusive Rocks** Kuroko Zn-Pb-Cu massive sulfide (Ag, Au, Cd, Sn, Sb, Bi, barite) Besshi Cu-Zn massive sulfide (Ag, Au) Cyprus Cu-Zn-Ag massive sulfide (Au, Pb, Cd, Sn) Volcanogenic Mn
▼	**Deposits Related to Subaerial Extrusive Rocks** Au-Ag Epithermal vein
⬬	**Stratiform Deposits in Fine-Grained Clastic and Siliceous Sedimentary Rocks** Sedimentary exhalative Zn-Pb Bedded barite Sedimentary Mn
~	**Stratabound Deposits in Coarse Clastic Sedimentary Rocks and Subaerial Basalt** Sediment-hosted Cu (Kuperschiefer and redbed) Basaltic Cu (volcanic redbed Cu) Kennecott Cu Clastic sediment-hosted Hg (Nikitovka type) Sediment-hosted U
▲	**Deposits in Carbonate and Chemical-Sedimentary Rocks** Kipushi Cu-Pb-Zn Mississippi Valley Pb-Zn Ironstone Chemical-sedimentary subtype Prikoklyma subtype Stratabound W (Austrian Alps-type) Iron Formation (Omolon type) Carbonate-hosted Hg
	Deposits Related to Calc-Alkaline and Alkaline Granitic Intrusions
▬	***Veins and Replacements*** Polymetallic vein Sb-Au vein (simple Sb)
▲	***Skarns and Greisens*** Cu (± Fe, Au, Ag, Mo) skarn Zn-Pb (± Ag, Cu, W) skarn and associated Manto replacement W skarn Fe (± Au. Cu, W, Sn) skarn Sn skarn and greisen
■	***Porphyry and Granitic Pluton-Hosted Deposits*** Porphyry Cu-Mo (Au, Ag)
●	**Deposits Related to Mafic and Ultramafic Rocks** Podiform Cr Serpentine-hosted asbestos

PRE-ACCRETIONARY METALLOGENIC BELT MAPS FOR MAINLAND ALASKA AND THE RUSSIAN NORTHEAST

By

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1993

Planimetric base from Arctic Sheet of the Geographic Map of the Circum-Pacific Region by George Moore (1990)
Circum-Pacific Council for Energy and Mineral Resources.
Map Center Point: 70° N., 164° W.
Lambert Azimuthal Equal Area Projection

Scale 1:10,000,000

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