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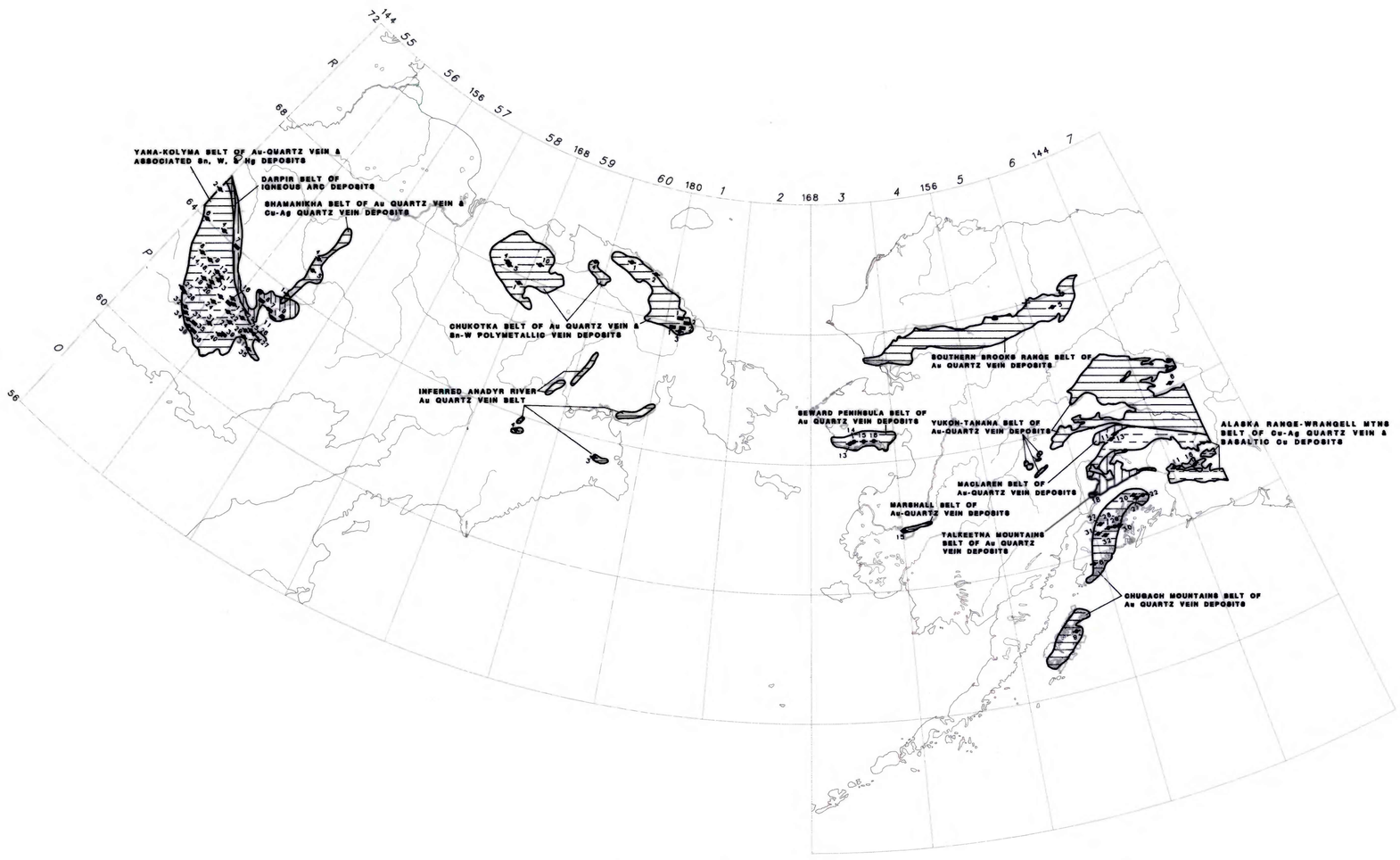
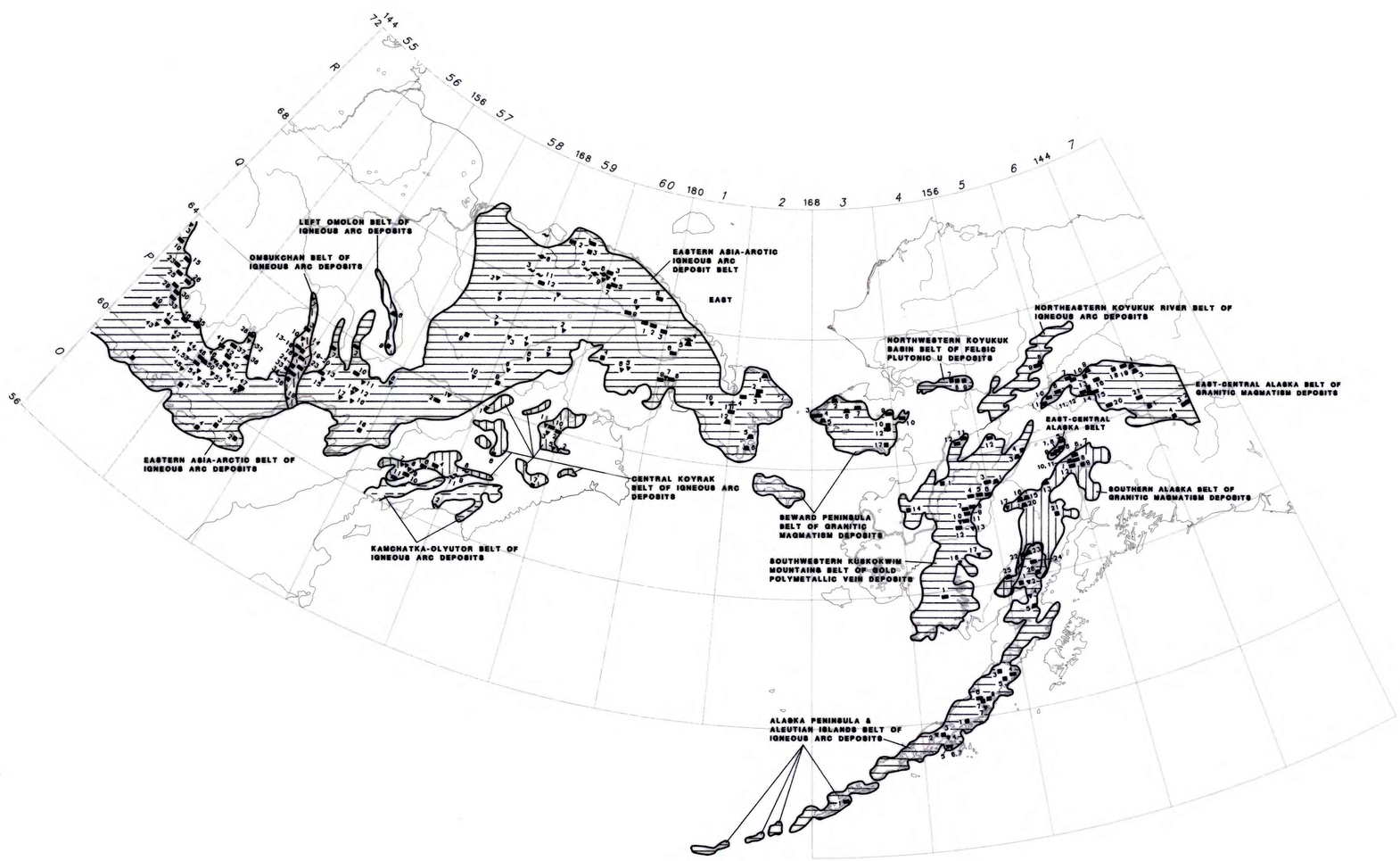


MAP 1. METALLOGENIC MAP OF ACCRETIONARY DEPOSITS.



MAP 2. METALLOGENIC MAP OF POST-ACCRETIONARY 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 Volcanic-hosted Hg (Plamennoe type) Hot-spring Hg Silica-carbonate Hg Volcanic-hosted Sb (Au, Ag, As) Rhyolite-hosted Sn (felsic volcanic Sn)
●	**Stratiform Deposits in Fine-Grained Clastic and Siliceous Sedimentary Rocks** Sedimentary exhalative Zn-Pb Bedded barite Clastic sediment-hosted Hg (Nikitovka type)
~	**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) Sn quartz vein Sn silicate-sulfide vein (Cornish type) Sn polymetallic vein (Southern Bolivian type) Co-arsenide polymetallic vein
▲	***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) Porphyry Mo (± W, Sn, Bi) Porphyry Sn Granitoid-related Au Felsic plutonic U-REE W vein
●	**Deposits Related to Mafic and Ultramafic Rocks** Zoned mafic-ultramafic Cr-PGE (± Cu, Ni, Au, Co, Ti, or Fe) (Alaskan PGE) Gabbroic Ni-Cu (synorogenic-synvolcanic; irregular gabbro pipes and stocks) Podiform Cr Serpentine-hosted asbestos
◆	**Deposits Related to Regionally Metamorphosed Rocks** Au quartz vein (includes concordant vein and shear zone Au) Disseminated Au-sulfide (Maiskoe type) Clastic sediment-hosted Sb-Au Cu-Ag quartz vein (vein Cu)

SYN- AND POST-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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