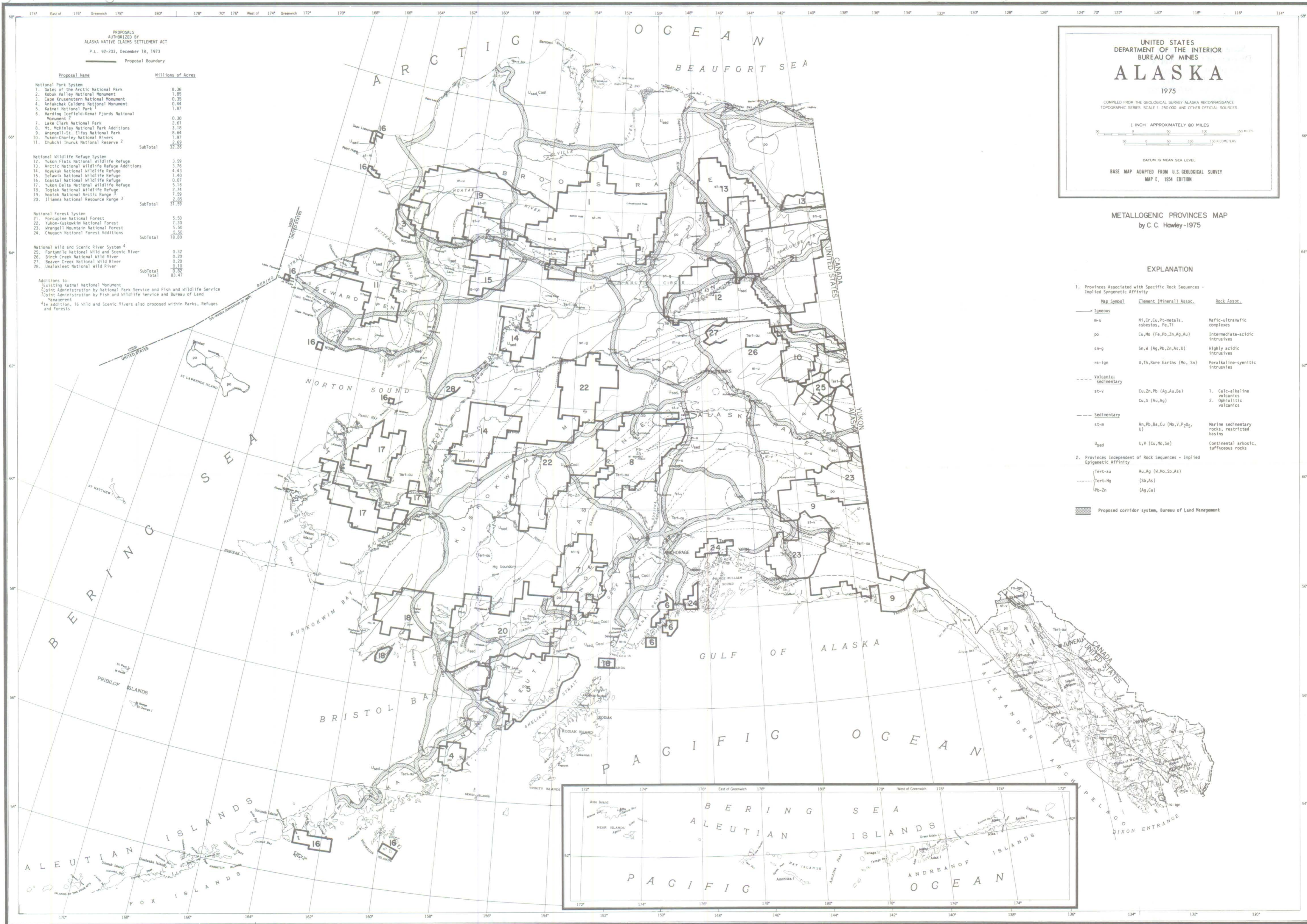


Figure 6 Metallogenic

TN  
24  
AY  
US2  
1975  
C.1



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF MINES

# ALASKA

1975

COMPILED FROM THE GEOLOGICAL SURVEY ALASKA RECONNAISSANCE TOPOGRAPHIC SERIES, SCALE 1:250,000, AND OTHER OFFICIAL SOURCES

1 INCH APPROXIMATELY 80 MILES  
1:250,000

DATUM IS MEAN SEA LEVEL

BASE MAP ADAPTED FROM U.S. GEOLOGICAL SURVEY MAP E, 1954 EDITION

METALLOGENIC PROVINCES MAP  
by C. C. Hawley-1975

EXPLANATION

- Provinces Associated with Specific Rock Sequences - Implied Syngenetic Affinity
 

Map Symbol	Element (Mineral) Assoc.	Rock Assoc.
m-u	Ni, Cr, Cu, Pt-metals, asbestos, Fe, Ti	Mafic-ultramafic complexes
po	Cu, Mo (Fe, Pb, Zn, Ag, Au)	Intermediate-acidic intrusives
sn-g	Sn, W (Ag, Pb, Zn, As, U)	Highly acidic intrusives
ra-ign	U, Th, Rare Earths (Mo, Sn)	Peralkaline-syenitic intrusives
st-v	Cu, Zn, Pb (Ag, Au, Ba) Cu, S (Au, Ag)	1. Calc-alkaline volcanics 2. Ophiolitic volcanics
st-m	An, Pb, Ba, Cu (Mo, V, P <sub>2</sub> O <sub>5</sub> , U)	Marine sedimentary rocks, restricted basins
u-sd	U, V (Cu, Mo, Se)	Continental arkosic, tuffaceous rocks
  - Provinces Independent of Rock Sequences - Implied Epigenetic Affinity
 

Tert-su	Au, Ag (W, Mo, Sb, As)
Tert-Hg	(Sb, As)
Pb-Zn	(Ag, Cu)
- Proposed corridor system, Bureau of Land Management

Proposal Name	Millions of Acres
National Park System	
1. Gates of the Arctic National Park	8.36
2. Kobuk Valley National Monument	1.85
3. Cape Krusenstern National Monument	0.35
4. Aniakchak Caldera National Monument	0.44
5. Katmai National Park	1.87
6. Harding Icefield-Kanaai Fjords National Monument 2	0.30
7. Lake Clark National Park	2.61
8. Mt. McKinley National Park Additions	3.18
9. Wrangell-St. Elias National Park	8.64
10. Yukon-Charley National Rivers	1.97
11. Chukchi Imuruk National Reserve 2	2.69
SubTotal	32.26
National Wildlife Refuge System	
12. Yukon Flats National Wildlife Refuge	3.59
13. Arctic National Wildlife Refuge Additions	3.76
14. Koyukuk National Wildlife Refuge	4.43
15. Selawik National Wildlife Refuge	1.40
16. Coastal National Wildlife Refuge	0.07
17. Yukon Delta National Wildlife Refuge	5.16
18. Tokiak National Wildlife Refuge	2.74
19. Noatak National Arctic Range 3	7.59
20. Iliamna National Resource Range 3	2.85
SubTotal	31.59
National Forest System	
21. Porcupine National Forest	5.50
22. Yukon-Kuskokwim National Forest	7.30
23. Wrangell Mountain National Forest	5.50
24. Chugach National Forest Additions	2.50
SubTotal	18.80
National Wild and Scenic River System 4	
25. Fortymile National Wild and Scenic River	0.32
26. Birch Creek National Wild River	0.20
27. Beaver Creek National Wild River	0.20
28. Unalakleet National Wild River	0.10
SubTotal	0.82
Total	83.47

Additions to:  
 1 Existing National Monument  
 2 Joint Administration by National Park Service and Fish and Wildlife Service  
 3 Joint Administration by Fish and Wildlife Service and Bureau of Land Management  
 4 In addition, 16 Wild and Scenic Rivers also proposed within Parks, Refuges and Forests

FIGURE 6.- Metallogenic provinces in Alaska