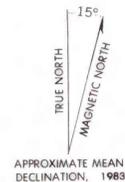


Base from U.S. Geological Survey
Manly Peak, Wingate Wash, 1950



NATIONAL GEODETIC VERTICAL DATUM OF 1929

Geology by J. Ach and R. Koch



MINERAL RESOURCE POTENTIAL MAP OF THE SLATE RANGE WILDERNESS STUDY AREA, INYO COUNTY, CALIFORNIA

By

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1984

EXPLANATION

AREAS WITH LOW MINERAL RESOURCE POTENTIAL

- A1 — Low mineral resource potential for gold-silver in hydrothermal veins or disseminated deposits
- A2 — Low mineral resource potential for copper and/or molybdenum in buried porphyry-type deposits, for gold-silver in hydrothermal veins or disseminated deposits, and for base metals in polymetallic veins
- A3 — Low mineral resource potential for buried silver-bearing hydrothermal veins
- A4 — Low mineral resource potential for tungsten and molybdenum in undiscovered skarn deposits and for gold, silver, and copper in undiscovered hydrothermal veins
- A5 — Low mineral resource potential for gold, silver, and lead in alluvium-covered limonitic pods within limestone

MAP SYMBOLS

- MINERAL RESOURCE POTENTIAL AREA
- HYDROTHERMALLY ALTERED AREA

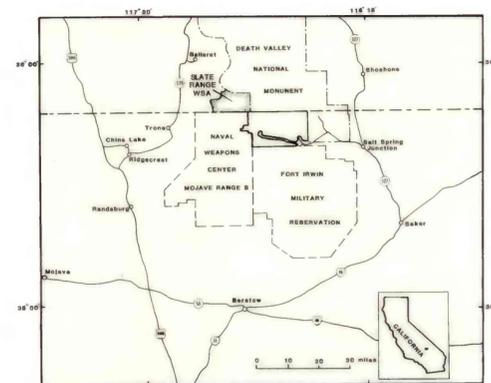
CORRELATION OF MAP UNITS

Qa	QUATERNARY
QTF	QUATERNARY AND TERTIARY
Trdi	TERTIARY
Tai	
Tvad	
Tvag	MESOZOIC
Tts	
Mzad	MESOZOIC
Cl	CAMBRIAN
CPwc	CAMBRIAN AND PROTEROZOIC

DESCRIPTION OF MAP UNITS

- Qa ALLUVIAL DEPOSITS (QUATERNARY)
- QTF FANGLOMERATE (QUATERNARY AND TERTIARY) — Consolidated to unconsolidated, commonly tilted fanglomerates; composed predominantly of andesitic material
- Trdi RHYOLITE AND DACITE PLUGS (TERTIARY) — Small, commonly strongly flow-foliated siliceous plugs of rhyolite and/or dacite
- Tai ANDESITE INTRUSIONS (TERTIARY)
- Tvad ANDESITE AND DACITE LAVA FLOWS (TERTIARY) — Andesite and less abundant dacite lava flows. Includes locally dominant agglomerate, tuff, and volcanic sandstone
- Tvag ANDESITE AGGLOMERATE (TERTIARY) — Agglomerate composed mainly of andesitic material; with intercalated andesite and dacite lava flows and volcanic sandstone and tuff
- Tts ALTERED TUFF AND TUFFACEOUS SEDIMENT (TERTIARY) — Massive or thinly layered, strongly devitrified and altered tuff, lapilli tuff, and tuffaceous sandstone
- Mzad LEUCOCRATIC ADAMELLITE (MESOZOIC) — Includes massive, potassium-feldspar porphyritic biotite adamellite of Manly Peak and massive, highly fractured leucocratic biotite adamellite in Panamint Valley
- Cl LOTUS FORMATION (CAMBRIAN) — Dark and light gray and tan limestone and dolomitic limestone
- CPwc WOOD CANYON FORMATION (PRECAMBRIAN AND CAMBRIAN) — Dark gray shale and slate, quartzite, micaceous quartzite, and gray and white limestone and siliceous limestone; with minor quartz-feldspar-mica schist

- CONTACT—Dashed where approximately located, dotted where buried or inferred
- - - FAULT—Dashed where approximately located, dotted where buried or inferred
- - - - - APPROXIMATE BOUNDARY OF WILDERNESS STUDY AREA



Index map showing location of Slate Range Wilderness Study Area, (CGDA-142), Inyo County, California.

Mines, Prospects, and Mineral Occurrences				
No.	Name	Type	Potential	Commodities
M1	Cliff Spring	Prospect	Low	(Au), (Ag)
M2	Crescent	Mine	Moderate	Au, Ag, Pb
M3	Lotus	Mine	High	Au, Ag, Cu, Pb

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.