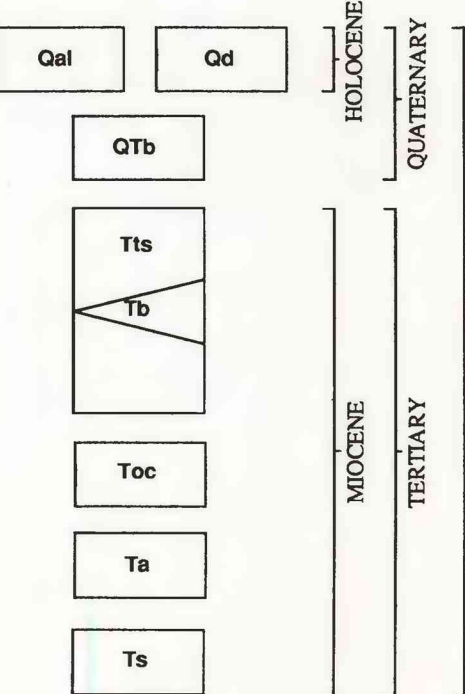


Base from U.S. Geological Survey, 1:24,000, Ancient Lake Well, Coyote Lake East, Coyote Lake West, Mickey Springs, Miranda Flat, Miranda Flat Southeast, Miranda Flat Southwest, Tule Springs, Tule Springs Northeast, 1981 Universal Transverse Mercator projection

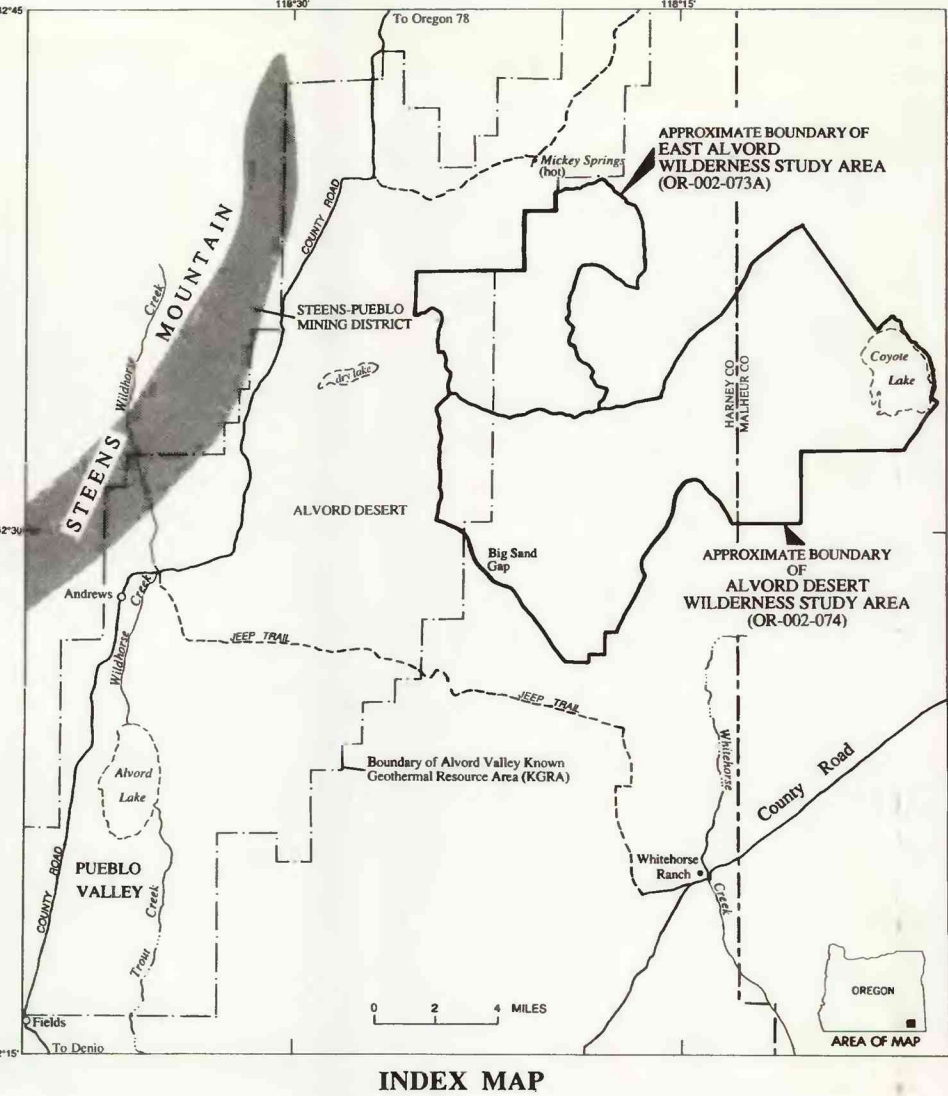
CORRELATION OF MAP UNITS



DESCRIPTION OF MAP UNITS

- Qal Alluvium (Quaternary)
- Qd Dune sand and eolian deposits (Quaternary)
- Tts Younger basalt (Tertiary)—Some original flow morphology preserved
- Tb Tuffaceous sediments (Tertiary)—Includes lacustrine sedimentary rocks, air-fall tuffs, and water-reworked ash interbedded with discontinuous outcrops of basalt and the tuff of Whitehorse Creek
- Toc Older basalt (Tertiary)—Discontinuous outcrops interbedded with tuffaceous sediments of Tts
- Ta Ash-flow Tuff of Oregon Canyon (Tertiary)
- Ts Andesite flows with interstratified pyroclastic rocks and tuffaceous sediments (Tertiary)
- Ts Steens Basalt (Tertiary)

Contact—Dashed where approximate
Normal fault—Dashed where approximate, dotted where concealed. Bar and ball on downthrown side.
Strike and dip of bed



DEFINITION OF LEVELS OF MINERAL RESOURCE POTENTIAL AND CERTAINTY OF ASSESSMENT

- HIGH mineral resource potential is assigned to areas where geologic, geochemical, and geophysical characteristics indicate a geologic environment favorable for resource occurrence, where interpretation of data indicate a high degree of likelihood for resource accumulation, where data support mineral-deposit models indicating presence of resources, and where evidence indicates that mineral concentration has taken place. Assignment of high resource potential to an area requires some positive knowledge that mineral-forming processes have been active in at least part of the area.
- MODERATE mineral resource potential is assigned to areas where geologic, geochemical, and geophysical characteristics indicate a geologic environment favorable for resource occurrence, where interpretation of data indicate reasonable likelihood for resource accumulation, and (or) where an application of mineral-deposit models indicates favorable ground for the specified type of deposits.
- LOW mineral resource potential is assigned to areas where geologic, geochemical, and geophysical characteristics define a geologic environment in which the existence of resources is permissible. This broad category embraces areas with dispersed but insignificantly mineralized rock, as well as areas with little or no indication of having been mineralized.
- NO mineral resource potential is a category reserved for a specific type of resource in a well-defined area.
- UNKNOWN mineral resource potential is assigned to areas where information is inadequate to assign a low, moderate, or high level of resource potential.

- LEVELS OF CERTAINTY
- A Available information is not adequate for determination of the level of mineral resource potential.
- B Available information only suggests the level of mineral resource potential.
- C Available information gives a good indication of the level of mineral resource potential.
- D Available information clearly defines the level of mineral resource potential.

LEVEL OF RESOURCE POTENTIAL	A	B	C	D
	L/A	H/B	H/C	H/D
LEVEL OF CERTAINTY		MODERATE POTENTIAL	MODERATE POTENTIAL	MODERATE POTENTIAL
	MODERATE POTENTIAL			
	LOW POTENTIAL	LOW POTENTIAL	LOW POTENTIAL	LOW POTENTIAL
				NO POTENTIAL

Altered with minor modifications from:
Taylor, R.B., and Brown, T.A., 1983, Definition of mineral resource potential. Economic Geology, v. 78, no. 6, p. 1266-1270.
Taylor, R.B., Sorenson, R.L., and Mann, S.P., 1984, An assessment of the mineral resource potential of the San Isabel National Forest, south-central Colorado. U.S. Geological Survey Bulletin 1438, p. 46-52.
Cronquist, C.H., compiler, 1986, Guide to preparation of mineral resource reports on public lands. U.S. Geological Survey Open-File Report 86-020, p. 8.

MINERAL RESOURCE POTENTIAL MAP OF THE ALVORD DESERT AND
EAST ALVORD WILDERNESS STUDY AREAS,
HARNEY AND MALHEUR COUNTIES, OREGON