

EXPLANATION

- Area having high mineral resource potential (H)
- Area having moderate (M) or low (L) mineral resource potential for commodities as listed
- Area having low mineral resource potential (L) for zinc
- Mine having identified resources
- Prospect or claim having identified resources
- Area including identified resources of jasper and (or) perlite

Level of certainty of assessment

- B Data only suggest level of potential
- C Data give good indication of level of potential

Commodities

Ag	Silver	Mo	Molybdenum
Au	Gold	Zn	Zinc
F	Fluorite	Ben	Bentonite
Geo	Geothermal	Dia	Diatomite
Hg	Mercury	O/G	Oil and gas

Deposit types

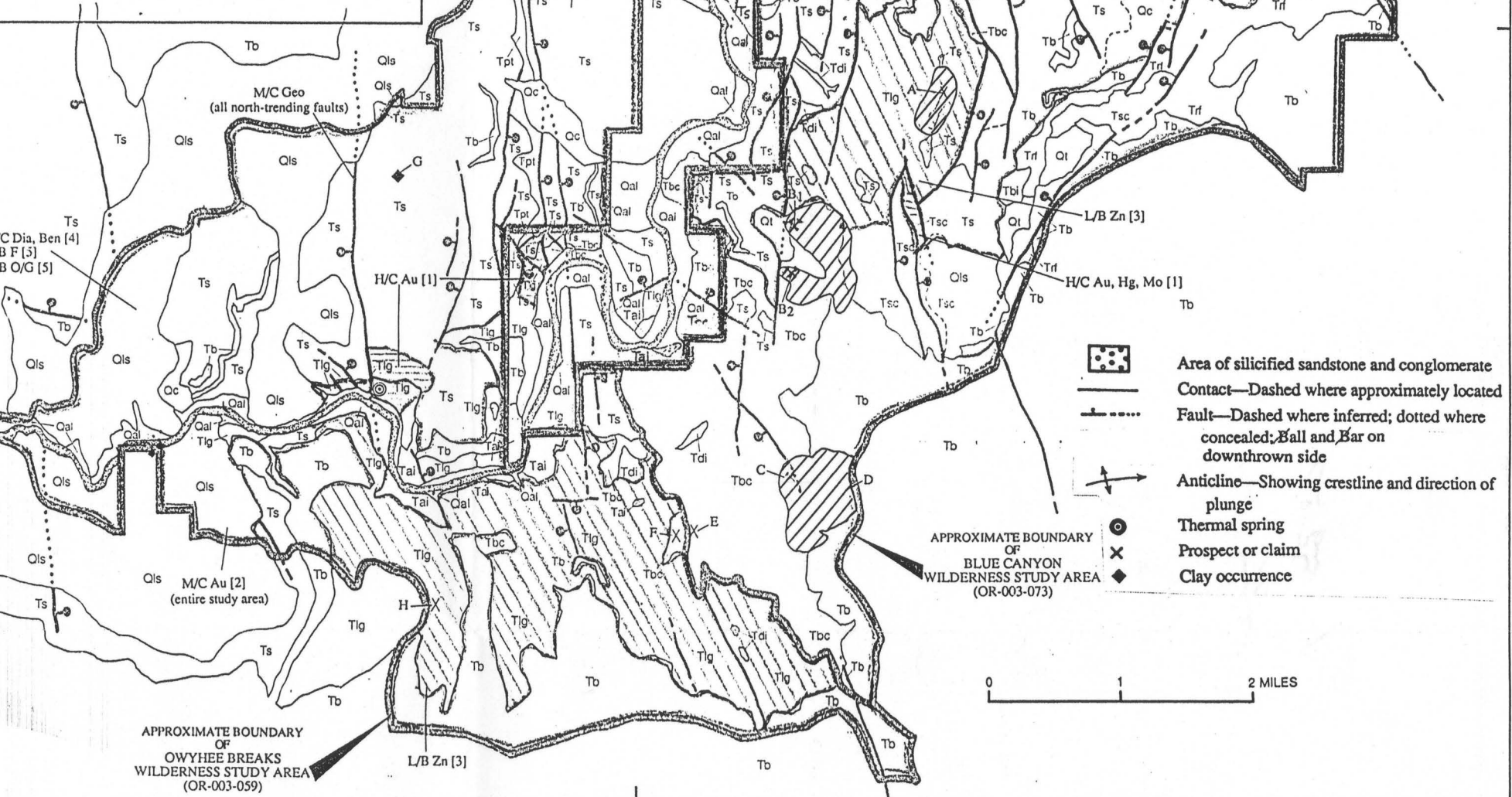
- [1] Fault-controlled volcanic- and sediment-hosted epithermal deposits
- [2] Volcanic- and sediment-hosted epithermal deposits
- [3] Volcanogenic disseminated deposits
- [4] Sedimentary lake deposits
- [5] Sediment-hosted deposits

Mines, prospects, claims, and deposit [Letter refers to table 1]

- A Jasper prospect
- B Morrison Ranch:
  - B1 Meadowlark mine
  - B2 Christine Marie mine
- C Rocky Rim claim
- D Jasper prospect
- E Stewart claims
- F North Birch, Middle Birch, and South Birch claims
- G Clay deposit
- H Jasper prospect

Geologic map units

- Qal Alluvium deposits (Quaternary)
- Qc Colluvium deposits (Quaternary)
- Qt Talus (Quaternary)
- Qls Landslide deposits (Tertiary)
- Tb Basalt flows (Tertiary)
- Ts Sedimentary rocks (Tertiary)
- Tpt Palagonite tuff (Tertiary)
- Tbi Basalt intrusions (Tertiary)
- Tai Andesite intrusions (Tertiary)
- Tdi Dacite intrusions (Tertiary)
- Trp Rhyolite porphyry (Tertiary)
- Tbc Tuff of Birch Creek (Tertiary)
- Tsc Tuff of Spring Creek (Tertiary)
- Tlg Leslie Gulch Tuff (Tertiary)
- Trf Rhyolite flows (Tertiary)



- Area of silicified sandstone and conglomerate
- Contact—Dashed where approximately located
- Fault—Dashed where inferred; dotted where concealed; Ball and Bar on downthrown side
- Anticline—Showing crestline and direction of plunge
- Thermal spring
- Prospect or claim
- Clay occurrence

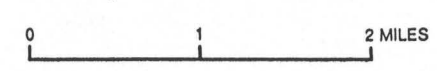


Figure 2. Mineral resource potential and generalized geology of Blue Canyon and Owyhee Breaks Wilderness Study Areas, Malheur County, Oregon.