

EXPLANATION OF IDENTIFIED RESOURCES AND MINERAL RESOURCE POTENTIAL

Areas of identified reserves for decorative stone—
Showing site number. The rest of the study area has indicated and inferred subeconomic resources of decorative stone

- 1a High concentrations of pahoehoe lava
- 2c High concentrations of aa lava
- L/C Geologic terrane having low mineral resource potential for metals, oil, gas, coal, and geothermal energy, with certainty level C
- Surface mine
- Areas of historic and trespass decorative-stone removal

CORRELATION OF MAP UNITS

Qh } QUATERNARY
Qm }

DESCRIPTION OF MAP UNITS

Snake River Group
Qh Basalt flows of Hell's Half Acre lava field (Quaternary)
Qm Basalt flows of St. Mary's Nipple (Quaternary)

— Contact
— Fracture
○ Lava vent for the Hell's Half Acre field
○ Lava vent
* Rootless lava vent
--- Lava tube

LEVEL OF RESOURCE POTENTIAL	H/A	H/B	H/C	H/D
	M/B	M/C	M/D	
	L/B	L/C	L/D	
	U			
	A	B	C	D
	LEVEL OF CERTAINTY →			

LEVELS OF RESOURCE POTENTIAL

H High mineral resource potential
M Moderate mineral resource potential
L Low mineral resource potential
U Unknown mineral resource potential
N No known mineral resource potential

LEVELS OF CERTAINTY

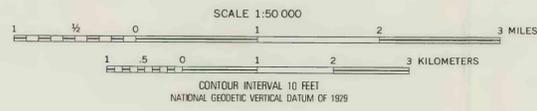
A Available data not adequate
B Data indicate geologic environment and suggest level of resource potential
C Data indicate geologic environment, indicate resource potential, but do not establish activity of resource-forming processes
D Data define geologic environment and level of resource potential and indicate activity of resource-forming processes in all or part of the area

Diagram showing relationships between levels of mineral resource potential and levels of certainty. Shading shows levels that apply to the study area

Note: Pattern shown east of 112°15' is part of topographic base only

Base from U. S. Geological Survey, 1:24,000, Butterfly Butte, 1964, photorevised 1979; Kettle Butte SW, 1964; Morgans Pasture NE, 1964; Morgans Pasture NW, 1964; and Woodville, 1948

Geology modified from Karlo (1977b); areas of identified resources and of historic and trespass removal modified from Moyle and Winters (1985)



MAP SHOWING IDENTIFIED RESOURCES, MINERAL RESOURCE POTENTIAL, AND SIMPLIFIED GEOLOGY OF THE HELL'S HALF ACRE WILDERNESS STUDY AREA, BINGHAM AND BONNEVILLE COUNTIES, IDAHO