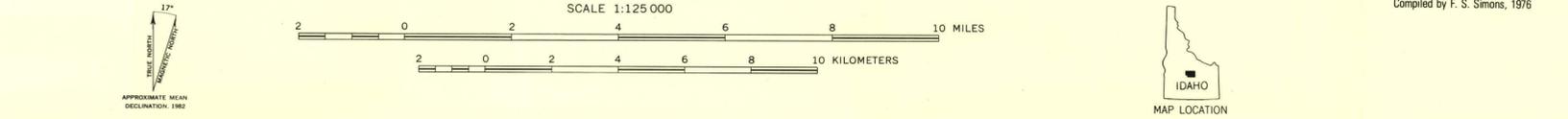
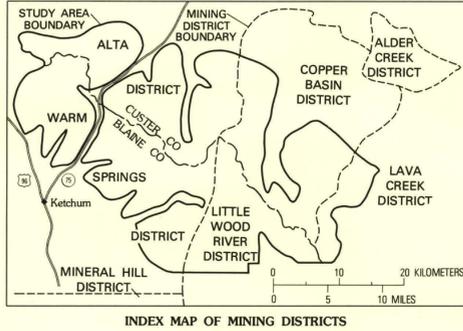




- EXPLANATION**
- IGNEOUS INTRUSIVE ROCK**
- ✧ MINE—For mines within study area boundaries, elements listed are those of which that mine has reserves or resources (listed in order of decreasing abundance)
  - 17 Phi Kappa—lead, silver, zinc
  - 27 Wildhorse
  - 32 Star of Hope—lead, silver
  - 35 Copper Basin
  - 44 Idaho Muldoon—lead, zinc, silver
  - 46 Solid Muldoon—lead, zinc, silver
  - 48 Muldoon Barium Co.
  - 60 Eagle Bird—lead, zinc, silver
  - 63 Black Spar
  - 73 Drummond (Prince Pine Group)
  - 80 Mascot
  - 83 Daisy (Mattie)—silver, lead, zinc
  - 85 Triumph-Parker
  - 101 Price Group—zinc
  - 102 Lake View Nos. 1 and 2 (Lake Creek Group)—zinc
  - 104 Long Grade (Debra Group)—zinc, silver, lead
  - 106 Homestead (Debra Group)—lead, zinc, silver
  - ✧ PROSPECT—For prospects within study area boundaries, elements or mineral listed are those of which that prospect has reserves or resources (listed in order of decreasing abundance)
  - 1 Unnamed
  - 2 Long Trail—zinc, lead, silver
  - 3 Unnamed
  - 4 Lucky Strike
  - 5 Alta<sup>1</sup> Silver-Quartz Group—silver, lead, zinc
  - 6 Unnamed
  - 7 Unnamed
  - 8 Unnamed
  - 9 Alta<sup>1</sup> Silver Group—silver, zinc, lead
  - 10 Star No. 1—silver, lead, zinc
  - 11 White Elephant Group
  - 12 Walton Moly (Anda Group)—molybdenum
  - 13 Purple Spar—fluorite
  - 14 Black Rock—lead, silver, zinc
  - 15 Unnamed
  - 16 Get Set, Ready, Go, and Mini Group
  - 18 Big Joe and Lost Summer group
  - 19 Unnamed
  - 20 Silver Dew—lead, zinc, silver
  - 21 Quanta group
  - 22 Unnamed
  - 23 Unnamed
  - 24 Pine Mouse group—tungsten
  - 25 Topsey, Biju, Norex, and Hi Note group—tungsten
  - 26 Sir Rock
  - 28 Unnamed
  - 29 Ajax group
  - 30 Mackinaw group—lead, zinc, copper, silver
  - 31 Bent Pine Tree group
  - 33 Candy Cane group
  - 34 Unnamed
  - 37 Unnamed
  - 38 Silver Bell—lead, silver, zinc
  - 39 Unnamed
  - 40 Grey Eagle
  - 41 Contact
  - 42 Champion—lead, silver, zinc
  - 43 Logan Tunnel
  - 45 American
  - 47 Lucky Boy group
  - 48 Muldoon Ridge—silver
  - 50 Boundary Gulch area—silver, copper, lead, zinc
  - 51 Mutual Gulch area—lead, silver
  - 52 Scorpion group and associated workings—silver, lead, zinc
  - 53 Garfield group—silver, lead, zinc
  - 54 Scorpion Ridge No. 2
  - 55 Scorpion Ridge No. 1
  - 56 Silver Eagle—lead, zinc, silver
  - 57 Rippeto—silver, lead, zinc
  - 58 Monarch Fraction
  - 59 John A. Logan
  - 61 Monarch
- O.P. AREAS HAVING MINERAL POTENTIAL**
- (1) Areas near the Summit Creek stock
    - A Area of low potential for copper (fig. 13)
    - B Area of moderate potential for lead and silver, and anomalous in boron (figs. 15, 16, 19, 25)
  - C,C' Areas of moderate and low potential, respectively, for molybdenum (fig. 8)
  - D Area of moderate potential for zinc (fig. 20)
  - E Areas of low potential for vanadium (fig. 31)
  - (2) Areas in drainages of Eagle, Lake, and Trail Creeks
    - D Area of moderate potential for zinc (part of same area as D above)
    - F Area of moderate potential for lead and silver, and of low potential for copper (figs. 13, 15, 19)
    - G Area of low potential for molybdenum (fig. 17)
  - (3) Areas near the Garfield Canyon and Muldoon Creek stocks
    - H Area of moderate potential for copper (figs. 13, 14)
    - I Area of moderate potential for lead and silver (figs. 15, 16, 19)
    - J Area of moderate potential for zinc (fig. 20)
    - K Area of low potential for molybdenum (fig. 17)
    - L Area anomalous in arsenic (fig. 23)
    - M Area anomalous in gold (fig. 28)
  - (4) Other areas
    - N Area of low potential for molybdenum, and anomalous in lanthanum (figs. 17, 18, 25)
    - O Area of low potential for copper, and anomalous in arsenic, gold, and manganese (figs. 13, 23, 28, 29)
    - P Area of low potential for lead and silver (figs. 15, 19)
    - Q Area of low potential for molybdenum and zinc (figs. 17, 20)
    - R Area of moderate potential for zinc and molybdenum, and anomalous in boron (figs. 17, 20, 25)
    - S Area of low potential for zinc and molybdenum (figs. 17, 20)
- <sup>1</sup>The spelling "Alta" is from Unmely, Westgate, and Ross (1930) and Ross (1943); the spelling "Alto" was used for the same district by Ross (1941).

Base from U.S. Forest Service 1:62,500 Sawtooth and Challis National Forest (n.d.) Grid is in units of 5,000 meters; origin of grid is at lat 43°30' N., long 114°30' W.



**MINING DISTRICTS, MINES AND PROSPECTS, AND AREAS THAT HAVE POTENTIAL FOR MINERAL RESOURCES, BOULDER-PIONEER WILDERNESS STUDY AREA AND VICINITY, BLAINE AND CUSTER COUNTIES, IDAHO**