

ZONES of PROGRESSIVE REGIONAL METAMORPHIC GRADE

AS INDICATED BY MINERAL ASSOCIATIONS IN INCLUSIONS OF SCHIST AND CALC-SILICATE GRANULITE IN THE IDAHO BATHOLITH IN VALLEY COUNTY

ABBREVIATIONS

- B BIOTITE
- Ca CALCITE
- Cl CLINOZOISITE
- Cs CA-SCAPOLITE
- D DIOPSIDE
- E EPIDOTE
- Fo FORSTERITE
- H HORNBLENDE
- Kf POTASH FELDSPAR
- Ky KYANITE
- Pf PLAGIOCLASE
- Q QUARTZ
- Si SILLIMANITE
- Sp SPINEL
- T TREMOLITE
- Zo ZOISITE
- 65 PERCENT ANORTHITE IN PLAGIOCLASE
- G GROSSULARITE
- H HEDENBERGITE

EXPLANATION

- GENERALIZED CONTACTS BETWEEN ZONES OF METAMORPHIC GRADE
- CONTACTS BETWEEN ROCK TYPES (SEE PLATE 1)
- SAMPLE NUMBER
- AVERAGE ATTITUDE OF FOLIATION OF INCLUSION AND LOCATION OF INCLUSION OF SCHIST AND/OR CALC-SILICATE GRANULITE
- Ca-D-Fo-Sp** MINERAL ASSOCIATION FORMED DURING PROGRESSIVE REGIONAL METAMORPHISM. BOLD-FACED MINERALS ARE DIAGNOSTIC OF METAMORPHIC GRADE
- G-H-E-30** MINERAL ASSOCIATION FORMED DURING RETROGRESSIVE REGIONAL METAMORPHISM

SCALE 0 1 2 3 4 5 MILES

ADD 100 TO EACH SAMPLE NUMBER TO CORRESPOND WITH NUMBERS USED IN THE TEXT.

