



EXPLANATION

- GEOLOGY**
- MID-TERTIARY(?)**
    - Tb Basalt- vesicular flows
    - Tbd Basalt dikes
  - POST-MINERAL**
  - PRE-MINERAL**
  - JURASSIC(?)**
    - Jqm Quartz monzonite
    - Jgkx Granodiorite- K-feldspar-veined and flocated
    - Jgd Hornblende granodiorite (f.g. = fine-grained dioritic facies)
  - PALEOZOIC(?)**
    - Pa Andesite (includes conglomerate)
    - Pg Gabbro dikes
    - Ph Hornfels
    - Pl Limestone (interbedded with schist)
    - Psch Greenschist (metavolcanic?)
    - Pss Graywacke to siltstone; includes some metarhyolite (?)

ALTERATION AND MINERALIZATION

- Weak sericitization plus Fe oxides
- Strong sericitization plus Fe oxides
- Quartz vein
- CuOx Copper oxides on fractures
- Bn Barrenite on fractures
- FeOx Iron oxide staining (after pyrite)
- tsurm Black tourmaline on fractures

SYMBOLS

- Area of outcrop
- Lithologic contact (inferred)
- Strike and dip of bedding
- Strike and dip of foliation
- TS Inspiration diamond drill hole
- QT Quintana percussion drill hole
- X Prospect pit
- Road
- Inspiration bulldozer cut

QUINTANA MINERALS CORPORATION  
**PRELIMINARY GEOLOGIC MAP**  
**THORN SPRINGS PROJECT**  
 WASHINGTON CO., IDAHO  
 SCALE 1" = 500'  
 500 0 500 1000 1500 FT.  
 September, 1975 BEK/ndw