

- LEGEND**
- 10 strike and dip of bedding
  - 50 strike and dip of veins
  - outcrop
  - suboutcrop
  - geologic contact
  - - - alteration contact
  - U D fault: upthrown/downthrown

- Alteration**
- (i) Argillic alteration
  - (ii) Advanced argillic alteration
  - (iii) Potassic alteration

silic silicification

**Stratigraphy**

- Units of uncertain age**
- 14 Purple lapilli tuff and volcanic sandstone
  - 13 Quartz-feldspar welded chloritic lapilli tuff

- Theban Member**
- 12(int) Subvolcanic hornblende-feldspar porphyry
  - 12 Pyroxene phric flows and tuffs
  - 12a Volcanic conglomerate with cobbles of 12 (int), volcanic siltstone

- Saunders Member**
- 11c Purple volcanic sandstone
  - 11b Crystal lapilli tuff
  - 11a Quartz-hornblende-biotite-feldspar phric ignimbrite
  - 10 Purple ash and lapilli tuff

- Jock Creek Section**
- 9 Hornblende-feldspar phric tuffs and breccias
  - 8 Laminated crystal ash tuffs
  - 7 Welded chloritic lapilli tuffs
  - 6 Laharic deposits

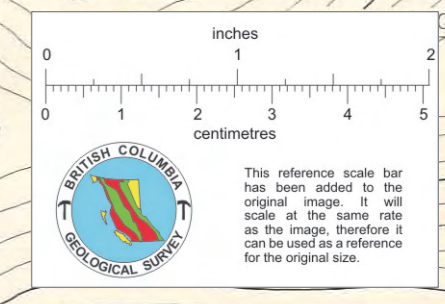
- Shasta dome complex**
- 5 Quartz-feldspar phric lapilli tuffs
  - 4a Quartz-biotite-hornblende-feldspar phric dacite
  - 4b Associated epiclastic deposits
  - 3 Green lapilli tuff and volcanic sediments
  - 2 Heterolithic conglomerate

- Stuhini Group**
- 1b Well bedded sandstone, siltstone, and volcanic conglomerate
  - 1a Pillow basalt and hyaloclastite

- Intrusive rocks**
- C Pyroxene feldspar porphyry
  - B Pink hornblende-feldspar porphyry
  - A Equigranular granodiorite

- Abbreviations**
- Alu alunite
  - bor boronite
  - br breccia
  - carb carbonate
  - ep epidote
  - qtz quartz
  - silic silicification
  - sus sulphides
  - sw stockwork

▲ 9-5-6 Sample location: Year 80 Traverse station



**GEOLOGICAL SETTING OF THE  
SHASTA PROPERTY**

NTS 94E MAP 1  
UTM ZONE 9V XP Scale: 1:2500  
Mapping: H. Marsden 1988, 1989