



**LEGEND**

**Geological Symbols**

- Onologic contact
- Alteration contact
- Strong linear or discontinuous discontinuity
- Weak linear or discontinuous discontinuity
- Valic width, mineral filling
- Vein, mineral filling
- Outcrop
- Subcrop
- Dike
- Drill hole collar

**Abbreviations**

vW very weak	ca carbonate
W weak	cl chlorite
M moderate	cp chlorophane
S strong	el epidote
vw very weak	ep epidote
W weak	fs feldspar
M moderate	py pyrite
S strong	sp sphalerite
vw very weak	st staurolite
W weak	te tellurite
M moderate	bo boronite
S strong	as arsenic
vw very weak	sp sphalerite
W weak	gal galena
M moderate	arg argentic
S strong	py pyrite

Q<sub>1</sub>, Q<sub>2</sub>, Q<sub>3</sub>, Q<sub>4</sub> Glacial sediment Till, < 1 metre, > 1 metre, alluvial fan, glacial till, etc.

**ALTERATION**

- (I) Propylite alteration
- (II) Chlorite-sericite-pyrite
- (III) Chlorite-sericite-pyrite with some strong silicification
- (IV) Sericite-pyrite with some strong silicification
- (V) Potassic alteration
- (VI) Alteration by dominant mineralogy, see below for abbreviation.

**INTRUSIVE ROCKS**

- A Biotite-hornblende-feldspar porphyry
- B Fine grained andesite intrusion
- C Hornblende porphyry dike
- D Pyroxene porphyry dike

**STRATIFIED ROCKS**

**Tertiary volcanic**

- 20 Saunders grey dike, welded, quartz-biotite-hornblende-feldspar phytic lapilli tuff
- 19 Green feldspathic welded tuff with flattened chlorite lapilli
- 18 Pyroxene porphyry flow and volcanic evidence
- 17 Sandstone and alluvium
- 16a Heterolithic green lapilli tuff, argentic tuff
- 16b Heterolithic green lapilli tuff, argentic tuff
- 15a Heterolithic green lapilli tuff, argentic tuff
- 15b Heterolithic green lapilli tuff, argentic tuff
- 14 Brown lapilli tuff
- 13 Heterolithic green lapilli tuff, argentic tuff
- 12a Heterolithic green lapilli tuff, argentic tuff
- 12b Heterolithic green lapilli tuff, argentic tuff
- 11 Heterolithic green lapilli tuff, argentic tuff
- 10 Heterolithic green lapilli tuff, argentic tuff
- 9 Heterolithic green lapilli tuff, argentic tuff
- 8 Heterolithic green lapilli tuff, argentic tuff
- 7a Heterolithic green lapilli tuff, argentic tuff
- 7b Heterolithic green lapilli tuff, argentic tuff
- 6a Heterolithic green lapilli tuff, argentic tuff
- 6b Heterolithic green lapilli tuff, argentic tuff
- 5a Heterolithic green lapilli tuff, argentic tuff
- 5b Heterolithic green lapilli tuff, argentic tuff
- 4a Heterolithic green lapilli tuff, argentic tuff
- 4b Heterolithic green lapilli tuff, argentic tuff
- 3a Heterolithic green lapilli tuff, argentic tuff
- 3b Heterolithic green lapilli tuff, argentic tuff
- 2a Heterolithic green lapilli tuff, argentic tuff
- 2b Heterolithic green lapilli tuff, argentic tuff

**Table Group**

- 1a Angle-plagioclase porphyry and associated volcanic conglomerate, sandstone and alluvium

**ESSO MINERALS CANADA**  
**SHASTA PROPERTY**

Geology  
 1:10,000

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 SEPT. 1988

SCALE 1:10,000

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