



ALTERATION ZONES

Skeleton Lake Prospect
St. Louis County, Minnesota
(T 61 N, R 14 W, S8)

ALTERATION AREAS
Alteration assemblages 50% of total sample.

MOTTLED QUARTZ EPIDOTE ALTERATION
Quartz-epidote alteration patches are frequently the dominant form of alteration.

POTASSIUM ALTERATION
Defined by the presence of biotite, potassium-bearing feldspar, and sericite.

ABBREVIATIONS OF MINERALS

- Q-Quartz
- E-Epidote
- C-Carbonate (Calcite)
- CL-Chlorite
- S-Sericite
- A-Actinolite (in vein form)
- AL-Albite
- P-Prehnite
- B-Biotite
- K-Potassium-bearing feldspar (High Albite)

() - Minerals in parenthesis present in amounts between 5-10%.

- Minerals outside parenthesis present in amounts 10%.

1" = 500' = 152 METERS

500 0 500 1000

150 0 150 300

N ↑

PLATE 3 ALTERATION MAP