DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

U.S. Geological Survey
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This map is preliminary and has not been edited or reviewed for conformity with Geological Survey standards.

PLATE 6

Distribution of Metamorphic Mineral Assemblages

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Scale 1:24,000

- Approximate boundary of shear zone
- Boundary of Sandre Wash and Big Arrows quadrangles
- Trace of sillimanite + microcline isograd
- 12 1 1 — Site of sample used for chemical analysis
- ⚒ 12 3 276 — Site of major mineral prospect and chemical analysis
- BM_1M_2Ch — Metamorphic mineral assemblage

B	Biotite
B_1	Retrograde lepidoblastic biotite oriented at high angle to S surface containing B
M	Primary (?) lepidoblastic muscovite oriented parallel with S_1
M_1	Porphyroblastic muscovite
M_2	Fine grained sericite "schimer" aggregates
M_3	Retrograde lepidoblastic muscovite oriented at high angle to S surface containing B and parallel with S_1
S	Sillimanite
A	Andalusite
Co	Cordierite
C	Limonitesite
Ch	Chlorite
G	Garnet