



EXPLANATION

- Dump material
- Alluvium
- Colluvium, talus, and slope wash
- Terrace gravel
- Conglomerate (loosely-cemented terrace gravel)
- Pyrophyllite schist
- Pyrophyllite-quartz schist
- Volcanic flows and pyroclastic rocks, moderately pyrophyllitized
- Volcanic flows and pyroclastic rocks, slightly pyrophyllitized
- Volcanic breccia slightly pyrophyllitized
- Leucocratic volcanic flows and pyroclastic rocks, locally much silicified
- Contact, dashed where approximate
- Strike and dip of original layering in volcanic rocks
- Trace of probable original layering in volcanic rocks
- Strike and dip of closely-spaced fracturing and/or schistosity showing trend and pitch of linear element
- Rim of cut or pit

Quaternary

Pre-Tertiary

Contour interval 5 feet
Datum is mean sea level.

0 10 20 40 60 80
Scale in feet

Mapped by
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Section along line A-A'

GEOLOGIC MAP AND SECTION OF THE PIONEER MINE AREA, SAN DIEGO COUNTY, CALIFORNIA