

ALEX MAOLAREN

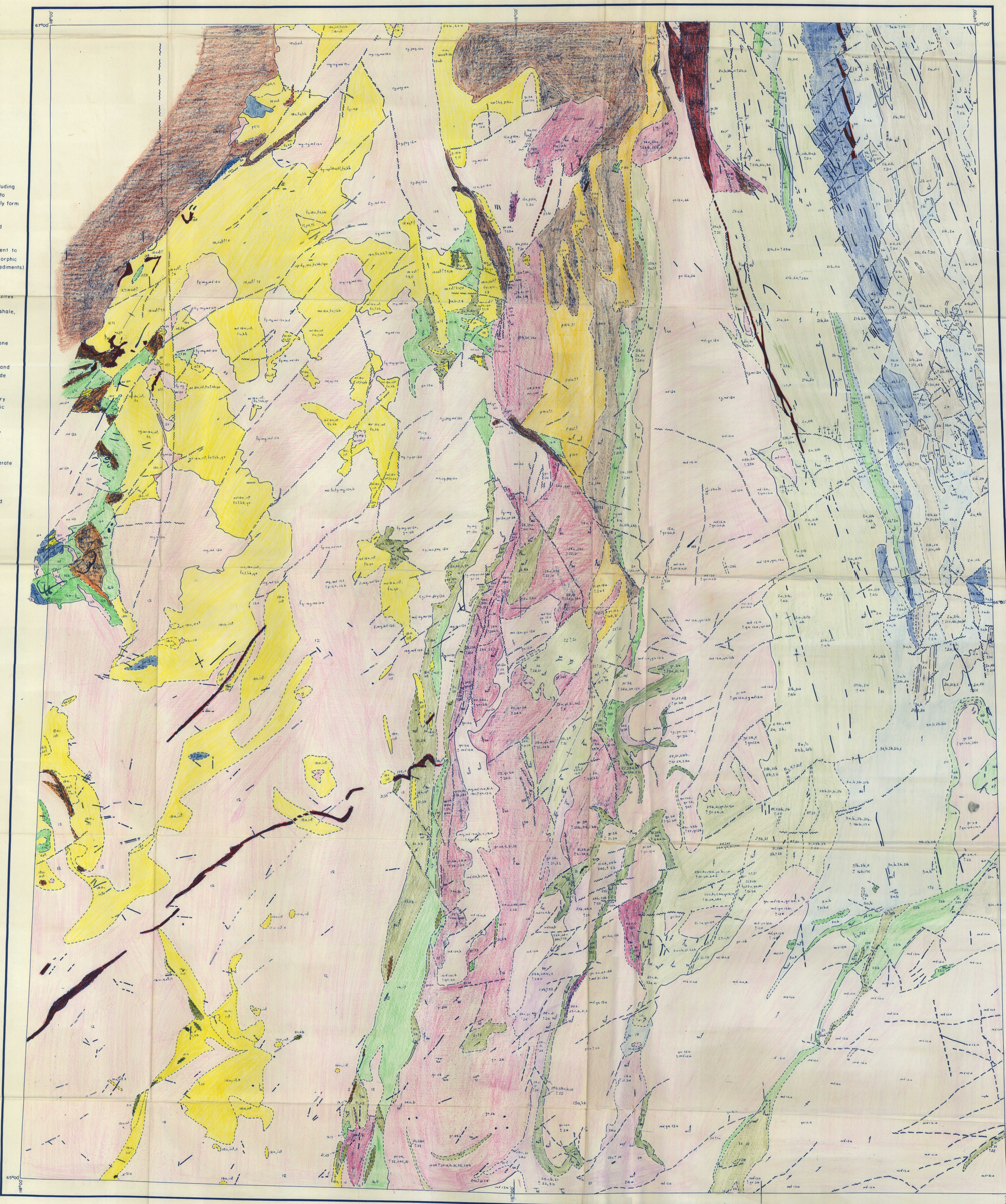
ELDORADO MINING AND REFINING LIMITED

LEGEND

- Diabase, quartz-diorite, gabbro, pyroxenite, peridotite, dunite.
- Argillites interbedded with minor porphyritic rhyolite flows.
- Quartz-feldspar rhyolite porphyry flows, including interbedded argillites and quartzites appear to overlie the Hornby Bay Series but more likely form upper units of the Hornby Bay.
- Hornby Bay Series, sandstone, quartzite and conglomerate.
- Argillites, slates and minor greywacke. Adjacent to intrusive granite body appear as their metamorphic equivalent (Quartz-biotite schists and metasediments).
- Epworth Series, greywacke, minor argillites.
- Epworth Series, limestone, dolomite, minor quartzites.
- Epworth Series, mainly slates, argillites, minor shale, quartzite and greywacke.
- Feldspar, hornblende and quartz porphyries, extrusive and intrusive, likely of more than one age, minor undifferentiated sediments.
- Granite, granodiorite, diorite, quartz diorite and allied rocks of uncertain age(s). May include some granite gneiss.
- Impure and gneissic granite rocks, sedimentary and volcanic schists and gneisses, migmatitic mylonite.
- Cameron Bay Series, conglomerate, sandstone, greywacke, argillite, limestone, tuff, chert and arkose.
- Echo Bay Series, cherts, argillites, conglomerate tuff, andesite.
- Paragneiss, metasediments.
- Metagabbro, metavolcanics, schists, phyllite and metasediments.
- Phyllite, greywacke, slate, quartzite, limestone, dolomite, quartz-mica schist.
- Andesite, dacite, basalt, tuff, metavolcanics.

YOUNGER

OLDER

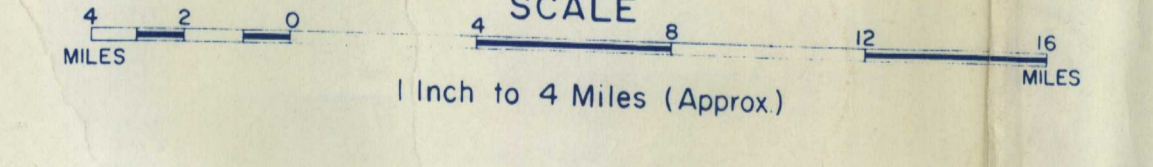


SYMBOL LEGEND

- | SEDIMENTARY ROCKS | |
|---|---------------|
| | NUMBER SYMBOL |
| Sediments (Undifferentiated) | 1 |
| Argillite | 2a |
| Shale | 2b |
| Chert | 2c |
| Limestone | 3a |
| Dolomite | 3b |
| Sandstone | 4a |
| Greywacke | 4b |
| Arkose | 4c |
| Banded tuff | 4d |
| Orthoquartzite | 4e |
| Conglomerate | 5a |
| IGNEOUS ROCKS | |
| Essentially Intrusive | |
| Intrusive (Undifferentiated) | 10 |
| Granite | 12a |
| Granodiorite | 12b |
| Monzonite | 12c |
| Syenite | 12d |
| Alaskite | 12e |
| Apite | 12f |
| Pegmatite | 12g |
| Quartz Diorite | 13a |
| Diorite | 13b |
| Gabbro | 13c |
| Norite | 13d |
| Diabase | 13e |
| Peridotites | 14a |
| Pyroxenite | 14b |
| Dunite | 14c |
| Picrite | 14d |
| Acid porphyry | 18a |
| Basic Porphyry | 18b |
| Essentially Volcanics (Undifferentiated) | |
| Volcanics (Undifferentiated) | 11 |
| Rhyolite | 15a |
| Trachyte | 15b |
| Lafite | 15c |
| Dacite | 16a |
| Andesite | 16b |
| Basalt | 16c |
| Agglomerate | 17a |
| Breccia | 17b |
| Tuff | 17c |
| METAMORPHIC ROCKS | |
| Metamorphic (Undifferentiated) | 21 |
| Metasediments | 21a |
| Metavolcanics | 21b |
| Slate | 21c |
| Quartzite | 21d |
| Mylonite | 21e |
| Metavolcanics | 22 |
| Acid Metavolcanics | 22a |
| Basic Metavolcanics | 22b |
| Schist | 23a |
| Phyllite | 23b |
| Paragneiss | 24a |
| Orthogneiss | 24b |
| Migmatite | 24c |
| Hornfels | 25a |
| Metagabbro | 25b |
| Amphibolite | 25c |
| Horblende | 25d |
| Mylonite | 25e |
| PREFIXES | |
| Coarse grained | cg |
| Medium grained | mg |
| Fine grained | fg |
| Massive | mv |
| Gneissic | gn |
| Granitic | gr |
| Pegmatitic | peg |
| Porphyritic | p |
| SUFFIXES | |
| Intrusive | int |
| Extrusive | ext |
| Feldspar | fs |
| Hornblende | hb |
| Quartz | qu |
| Biotite | bi |
| Sericite | Sr |
| Garnet | gr |
| Fault: Definite contact (solid line with dashes), Indefinite contact (dashed line), Presumed contact (dotted line) | |
| Bedding: Foliation (dashed line with dots), Anticline showing plunge (dashed line with arrow), Syncline showing plunge (dashed line with arrow), Undefined fold structure (dashed line) | |
| Diabase or Gabbro dike (solid line with cross-hatching), Quartz vein (solid line with dots) | |

GEOLOGY BY -
 86 F C.S. LORD, (1946) W.H. Parsons, (1947)
 Department of Mines and Technical Surveys
 map no 1014 A, Camsell River sheet, 1 in to 4 in
 86 G, J, K - G. Mursky, J. Allan (1959-1960)
 G. Woollett (1960)

GEOLOGY OF 86 F, G, J, K AREAS



NOTE - Base map liable to variation as drawn from uncontrolled mosaics

