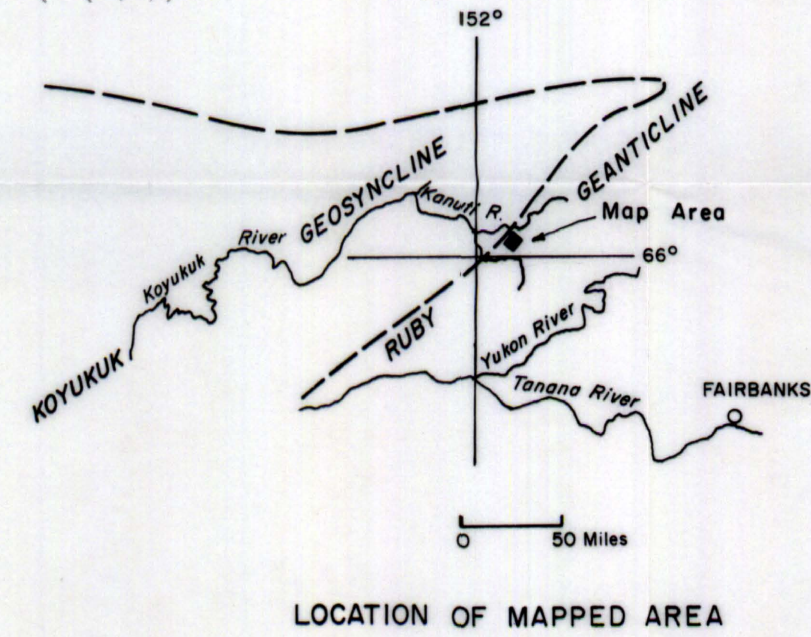


LEGEND

- | | | | |
|----------------|--------------------------|---|--|
| PLEISTOCENE | Pg | | Glacial drift |
| | K | | Quartz pebble conglomerate, vein quartz gravel, gabbro-schist conglomerate, quartz-kaolinite shale |
| CRETACEOUS (?) | Gr | | Granite, porphyritic and non-porphyritic |
| | | | |
| JURASSIC (?) | Ultramafic-mafic complex | Hc | Hydrothermal zone
Central zone - quartz-limonite rock |
| | | Hp | Peripheral zone - serpentine with disseminated magnetite |
| | P | Peridotite | |
| | Ps | Serpentinized peridotite | |
| | Px | Pyroxenite | |
| | Gab | Gabbro | |
| | Db | Metadiabase | |
| | Gst | Greenstone (recrystallized greenschist) | |
| DEVONIAN (?) | Gsch | Greenschist | |
| | Sch | Schist | |
| | △ | Float | |
| | | Attitude of layering in gabbro | |
| | | Attitude of foliation. Arrow indicates plunge of crenulation or minor fold | |
| | | Contact (defined, approximate, inferred) | |
| | | Steep fault | |
| | | Thrust fault (defined, approximate, inferred), dip unknown | |
| | ○ ● | Geochemical sample of stream sediment or soil (background, anomalous in copper (\$70ppm), Nickel (\$200ppm), or tin (\$300ppm)) | |



Geological - Geochemical Map of the Sithylemenkat Lake Area
Bettles Quadrangle, Alaska

Geology by Gordon Herreid, assisted by Robin Marks, 1968.
Base map: U.S. Geological Survey I: 63360 compilation map for the Bettles 1:250,000 Quadrangle

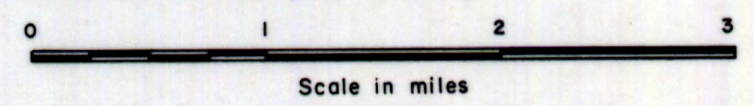


FIGURE 1