



MAY 1982
 REVISED PRELIMINARY MAP 35
GEOLOGY OF THE PENTITION TERTIARY OUTLIER
 BY B. N. CHURCH

- LEGEND**
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| MIOCENE
(OLALLA RHYOLITE) | 11 MOSTLY RHYOLITE BRECCIA, SOME MASSIVE OBSIDIAN, AND ASSOCIATED DYKES | EDCENE (CONTINUED)
MARRON FORMATION (CONTINUED) | 3 KITLEY LAKE MEMBER: TRACHYANDESITE LAVA WITH CONSPICUOUS GLOMEROPHENDROCRYSTIC CLOTS OF FELDSPAR |
| EDCENE
SKALLA FORMATION | 10a MOSTLY CHERT AND GREENSTONE SLIDE BRECCIA AND SOME TEPHRITE LAVA OVERLAIN BY POLYMYCTIC FAN-GLOMERATE | 2 SHATTFORD CREEK MEMBER: LOCAL DEPOSIT OF BROWN ANDESITE LAVA AND BRECCIA WITH SOME QUARTZ-FILLED AMYGDALAS | YELLOW LAKE MEMBER: |
| WHITE LAKE FORMATION | 10b CHANNEL DEPOSIT OF GRANITE BOULDER CONGLOMERATE AND BRECCIA AND ARKOSIC SANDSTONES | 1a MOSTLY PYROXENE-RICH MAFIC PHONOLITE LAVA WITH LOCAL WELL-DEVELOPED PHENOCRYSTS OF RHOMB-ANORTHOCASE AND SOME PRIMARY ANALCITE; ABUNDANT ZEPHYRUS FILINGS IN CRACKS AND AMYGDALAS | 1b PURPLE AND GREY VOLCANIC WACKES FROM EROSION OF 1a AND PINK RADIOACTIVE FELDSPATHIC TRACHYTIC ASH FLOW, SANDSTONE, AND CONGLOMERATE |
| MARAMA FORMATION | 9 MOSTLY VOLCANIC BRECCIAS INCLUDING PYROCLASTIC ROCKS AND LAHARS, MINOR TRACHYTIC AND ANDESITIC LAVAS | 1c CLARK CREEK PORPHYRY: A SILL-LIKE BODY RELATED TO 1a WITH LARGE FELDSPAR PHENOCRYSTS | SPRINGBROOK FORMATION |
| MARRON FORMATION | 8 VOLCANIC CONGLOMERATE, SANDSTONES, AND SHALES | Oa POLYMYCTIC CONGLOMERATE AND BRECCIA WITH CLASTS DERIVED MAINLY FROM PRE-TERTIARY BEDDED ROCKS | KETTLE RIVER FORMATION |
| PARK RILL MEMBER: MERCURYSTALLINE ANDESITE LAVA AND MINOR BRECCIA | 7a AENEAS BUTTE FELDSPATHIC DACITE | Ob MAINLY GRANITE BOULDER CONGLOMERATES, ARKOSIC VOLCANIC WACKES, AND RHYOLITE BRECCIA | Oc SHINGLE CREEK PORPHYRY: A COARSE SANDSTONE QUARTZ PORPHYRY INTRUSION FEEDER TO THE RHYOLITE VOLCANIC ROCKS OF Ob |
| NIMPIT LAKE MEMBER: TAN TRACHYTE AND TRACHY-ANDESITE LAVA AND MINOR BRECCIA | 7b MASSIVE APHANTIC DACITE LAVA AND SOME BRECCIA FORMING MOSTLY REMNANTS OF VOLCANIC DOMES | Y MAINLY GRANITIC INTRUSIONS | Z MAINLY CHERTS, GREENSTONES, SCHISTOSE ROCKS, AND MINOR INTRUSIONS |
| KEARNS CREEK MEMBER: VESICULAR PYROXENE-RICH BASALTIC ANDESITE LAVA | 7c VOLCANIC CONGLOMERATE WITH CLASTS FROM THE MARRON FORMATION | SYMBOLS | |
| 4 | 6 | DRIFT COVERED AREA
GEOLOGICAL BOUNDARY: APPROXIMATE
BEDDING: HORIZONTAL, INCLINED
FAULT: APPROXIMATE, ASSUMED
TOPOGRAPHICAL CONTOUR (INTERVAL, 500 FEET)
STRUCTURE SECTION
STREAM
MAIN ROAD
CHEMICAL ANALYSIS STATION
K/A: SPECIMEN LOCALITY
DYKE
DIAMOND DRILL HOLE
LAKE | |

