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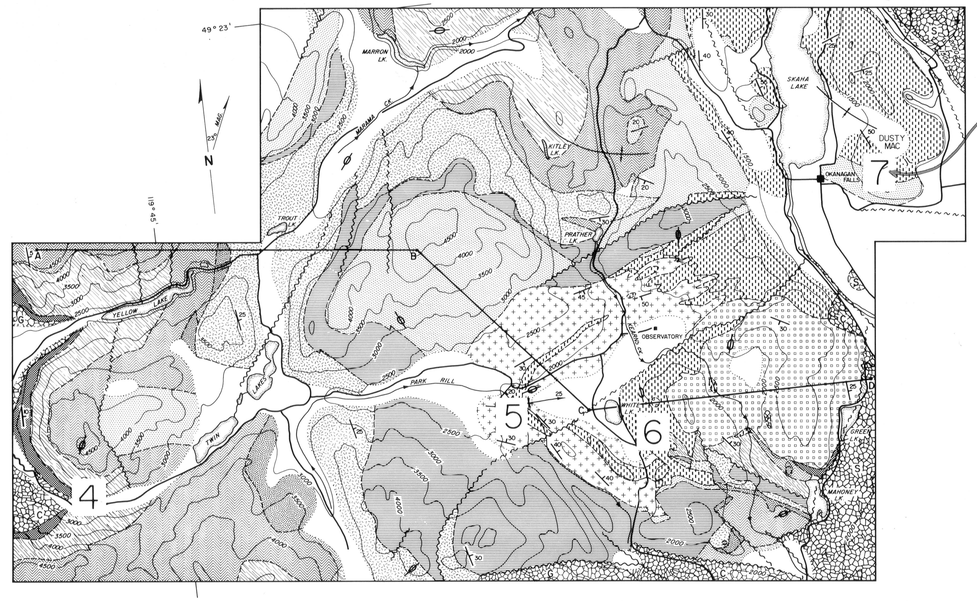

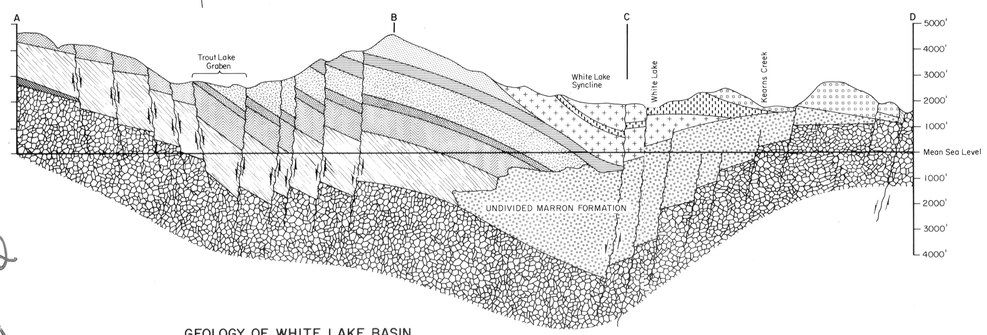

GEOLOGY OF WHITE LAKE BASIN

GEOLOGY BY - N. CHURCH, 1970

SCALE - MILES

LEGEND

EARLY TERTIARY ROCKS

SKAHA FORMATION
UPPER MEMBER : MIXED BOULDER CONGLOMERATE.
LOWER MEMBER : MAINLY GRANITE, CHERT, AND GREENSTONE SLIDE BRECCIAS WITH INTERCALATED CONGLOMERATE AND SOME AUGITE-PORPHYRY (TEPHRITE) LAVA.

WHITE LAKE FORMATION
MUDSTONE, SANDSTONE, CONGLOMERATE, COAL, AND MINOR PYROCLASTIC ROCKS INTERCALATED WITH TRACHYTE AND TRACHYANDESITE VOLCANIC BRECCIA, PYROCLASTIC ROCKS, AND LAHAR.

MARAMA FORMATION
UNDIVIDED RHYODACITE AND RHYOLITE LAVA, SOME VOLCANIC BRECCIA AND PYROCLASTIC ROCK AND MINOR BASAL CONGLOMERATE.

MARRON FORMATION

PARK RILL MEMBER : MAINLY MEROCRYSTALLINE AND VITRIC ANDESITE LAVA.

NIMPIT LAKE MEMBER : MAINLY ROSETTE PORPHYRY, SANIDINE-PLAGIOCLASE BEARING TRACHYTE LAVA.

KEARNS CREEK MEMBER : MAINLY PYROXENE PORPHYRY, VESICULAR BASALTIC ANDESITE LAVA.

KITLEY LAKE MEMBER : MAINLY CLOT PORPHYRY, SANDINE-PLAGIOCLASE BEARING TRACHYTE AND TRACHYANDESITE LAVA.

YELLOW LAKE MEMBER : RHOMB PORPHYRIES, AUGITE-ANORTHOCLASE LAVA, VOLCANIC BRECCIA, AND PYROCLASTIC ROCK.

SPRINGBROOK FORMATION
PEBBLE AND BOULDER CONGLOMERATE, BRECCIA, AND SANDSTONE.

PRE-TERTIARY ROCKS

G - OLD TOM FORMATION : MAINLY GREENSTONE.
C - SHOEMAKER FORMATION : MAINLY CHERT.
S - SHUSWAP FORMATION : GNEISSIC BASEMENT COMPLEX.

SYMBOLS

BEDDING ATTITUDE
ANTICLINAL AXIS
SYNCLINAL AXIS
GEOLOGICAL CONTACT
FAULT ZONE
BOUNDARY OF BEDROCK EXPOSURE
TOPOGRAPHIC CONTOUR, 500' INTERVAL
ROAD
POSITION OF STRUCTURE SECTION
GLACIAL STRIAE

5 - STOPS

BRITISH COLUMBIA DEPARTMENT OF MINES AND PETROLEUM RESOURCES.

neg. spliced in

Figure 8:1

~~Figure 8:1~~ (check Dr. Church for exact arrangement)

Part of Prelim. Map 35

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