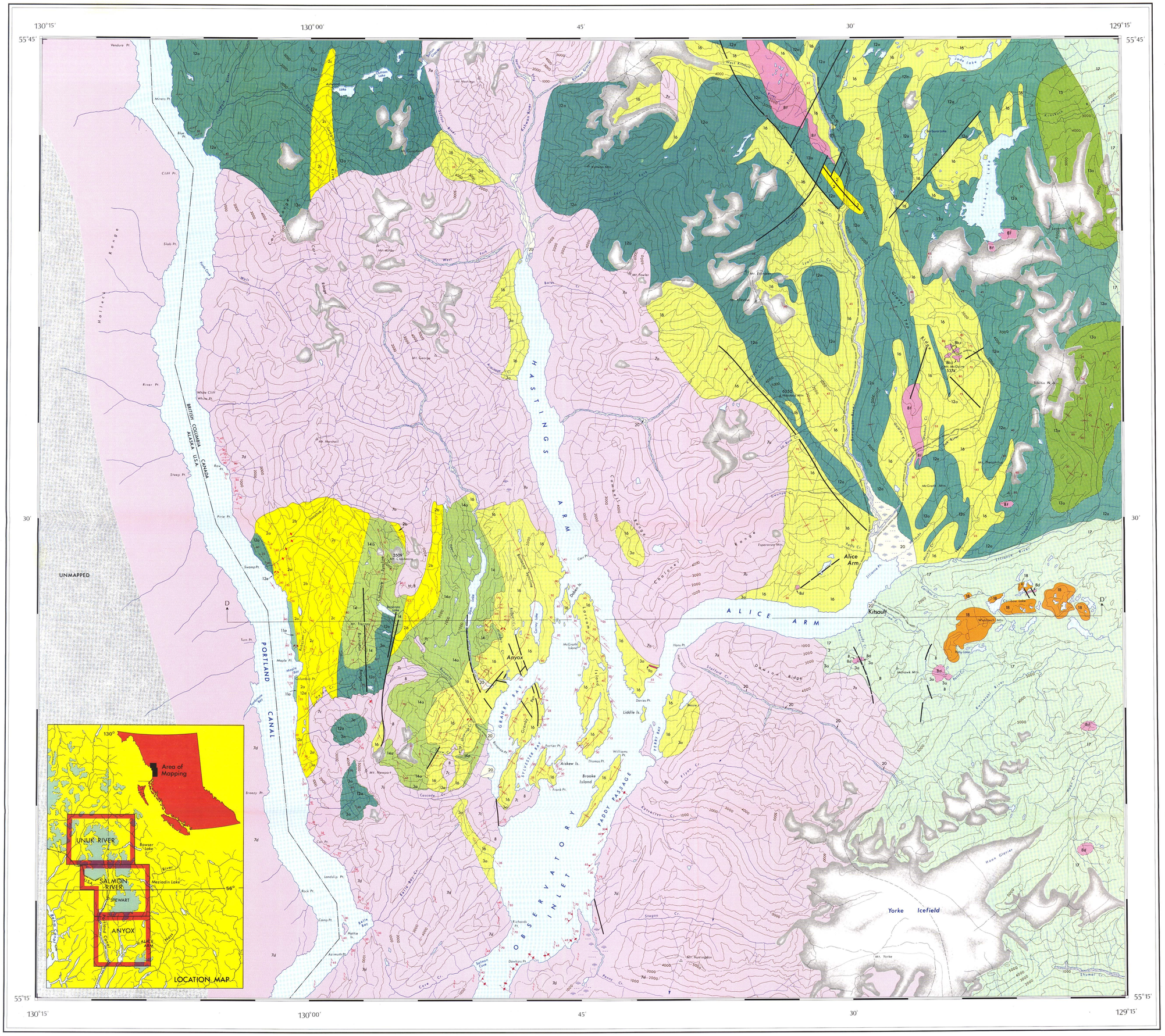
ANYOX



UNUK RIVER - SALMON RIVER - ANYOX AREA

NORTH, CENTRAL, AND SOUTH SHEETS
ANYOX (N.T.S. 103 P/9 & 11 & 103 O/8 & 9)
RELEASED AUGUST 1982

Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

GEOLOGY OF THE UNUK RIVER - SALMON RIVER - ANYOX MAP AREA

KILOMETRES 0 — 10 KILOMETRES

SCALE - 100 000

LEGEND

SEDIMENTARY AND VOLCANIC ROCKS

CENOZOIC

QUATERNARY

RECENT

20 — UNCONSOLIDATED DEPOSITS; RIVER FLOODPLAIN, ESTUARINE, RIVER CHANNEL AND TERRACES, ALLUVIAL FANS, DELTAS AND BEACHES, OUTWASH, GLACIAL LAKE SEDIMENTS, TILL, PEAT, LANDSLIDES, VOLCANIC ASH, HOTSPRING DEPOSITS

19 — BASALT FLOWS (a), CINDERS, ASH (b)

PLEISTOCENE AND RECENT

18 — BASALT FLOWS

MESOZOIC

JURASSIC

HAZELTON GROUP

UPPER JURASSIC

NASS FORMATION

17 — SILTSTONE, GREYWACKE, SANDSTONE, SOME CALCARENITE, ARGILLITE, CONGLOMERATE, MINOR LIMESTONE, MINOR COAL (INCLUDING EQUIVALENT SHALE, PHYLLITE, AND SCHIST)

MIDDLE JURASSIC

SALMON RIVER FORMATION

16 — SILTSTONE, GREYWACKE, SANDSTONE, SOME CALCARENITE, MINOR LIMESTONE, ARGILLITE, CONLOMERATE, LITTORAL DEPOSITS

15 — RHYOLITE, RHYOLITE BRECCIA; CRYSTAL AND LITHIC TUFF

BETTY CREEK FORMATION

14 — PILLOW LAVA, BROKEN PILLOW BRECCIA (a); ANDESITIC AND BASALTIC FLOWS (b)

13 — GREEN, RED, PURPLE, AND BLACK VOLCANIC BRECCIA, CONLOMERATE, SANDSTONE, AND SILTSTONE (a); CRYSTAL AND LITHIC TUFF (b); SILTSTONE (c); MINOR CHERT AND LIMESTONE (INCLUDES SOME LAVA (+14)) (d)

LOWER JURASSIC

UNUK RIVER FORMATION

12 — GREEN, RED, AND PURPLE VOLCANIC BRECCIA, CONGLOMERATE, SANDSTONE, AND SILTSTONE (a); CRYSTAL AND LITHIC TUFF (b); SANDSTONE (c); CONGLOMERATE (d); LIMESTONE (e); CHERT (f); MINOR COAL (g)

11 — PILLOW LAVA (a); VOLCANIC FLOWS (b)

TRIASSIC

UPPER TRIASSIC

TAKLA GROUP (?)

10 — SILTSTONE, SANDSTONE, CONGLOMERATE (a); VOLCANIC SILTSTONE, SANDSTONE, CONLOMGERATE (b); AND SOME BRECCIA (c); CRYSTAL AND LITHIC TUFF (d); LIMESTONE (e)

PLUTONIC ROCKS

CENOZOIC

OLIGOCENE AND YOUNGER

9 — DYKES AND SILLS (SWARMS), DIORITE (a); QUARTZ DIORITE (b); GRANODIORITE (c); BASALT (d)

EOCENE (STOCKS, ETC.) AND OLDER

8 — QUARTZ DIORITE (a); GRANODIORITE (b); MONZONITE (c); QUARTZ MONZONITE (d); AUGITE DIORITE (e); FELDSPAR PORPHYRY (f)

7 — COAST PLUTONIC COMPLEX: GRANODIORITE (a); QUARTZ DIORITE (b); QUARTZ MONZONITE; SOME GRANITE (c); MIGMATITE – AGMATITE (d)

MESOZOIC

JURASSIC

MIDDLE JURASSIC AND YOUNGER ?

6 — GRANODIORITE (a); DIORITE (b); SYENODIORITE (c); MONZONITE (d); ALASKITE (e)

LOWER JURASSIC AND YOUNGER ?

5 — DIORITE (a); SYENOGABBRO (b); SYENITE (c)

TRIASSIC

UPPER TRIASSIC AND YOUNGER ?

4 — DIORITE (a); QUARTZ DIORITE (b); GRANODIORITE (c)

HORNBLENDE PREDOMINANT . . . . . H
BIOTITE PREDOMINANT . . . . . B

METAMORPHIC ROCKS

TERTIARY

3 — HORNFELS (a); PHYLLITE, SCHIST (b); SOME GNEISS (c)

JURASSIC

2 — HORNFELS (a); PHYLLITE, SEMI-SCHIST, SCHIST (b); GNEISS (c); CATACLASITE, MYLONITE (d); TACTITE (e)

TRIASSIC

1 — SCHIST (a); GNEISS (b); CATACLASITE, MYLONITE (c)

HORNBLENDE OR AMPHIBOLE DEVELOPED . . . . . H
BIOTITE DEVELOPED . . . . . B
POTASSIUM FELDSPAR DEVELOPED . . . . . K

AREA UNMAPPED

SYMBOLS

ADIT . . . . . .
ANTICLINE (NORMAL, OVERTURNED) . . . . . .
BEDDING (HORIZONTAL, INCLINED, VERTICAL, CONTORTED) . . . . . .
BOUNDARY MONUMENT . . . . . .
CONTOURS (INTERVAL 1,000 FEET) 5000
FAULT (DEFINED, APPROXIMATE) . . . . . .
FAULT (THRUST) . . . . . .
FAULT MOVEMENT (APPARENT) . . . . . .
FOLD AXES, MINERAL LINEATION (HORIZONTAL, INCLINED) . . . . . .
FOSSIL LOCALITY . . . . . F
GEOLOGICAL CONTACT (DEFINED, APPROXIMATE) . . . . . .
GLACIAL STRIAE . . . . . .
GRAVEL, SAND, OR MUD . . . . . .
HEIGHT IN FEET ABOVE MEAN SEA LEVEL . . . . . •6234'
INTERNATIONAL BOUNDARY . . . . . .
JOINT SYSTEM (INCLINED, VERTICAL) . . . . . .
MARSH . . . . . .
MINING PROPERTY . . . . . .
RIDGE TOP . . . . . .
SCHISTOSITY (INCLINED, VERTICAL) . . . . . .
SYNCLINE (NORMAL, OVERTURNED) . . . . . .
TUNNEL . . . . . .
VOLCANIC CONE . . . . . .

Compilation and geology by E. W. Grove, 1964 to 1970, with assistance by N. H. Halmilla and R. V. Kirkam, 1966 and James T. Fyles, 1967. Geology of the Alice Arm area by N. C. Carter, 1964 to 1968.

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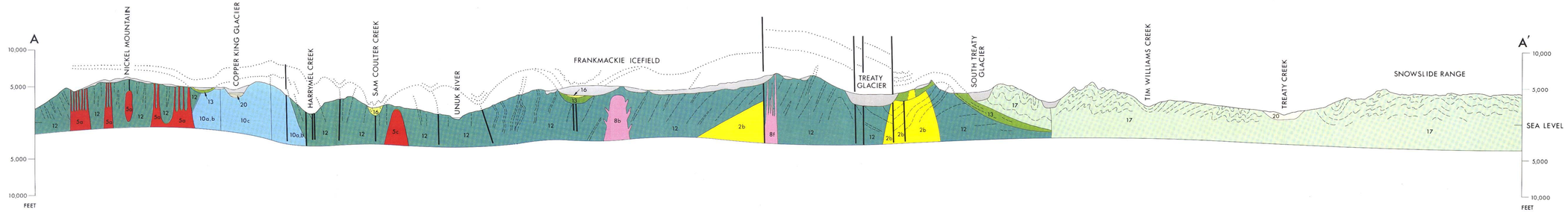

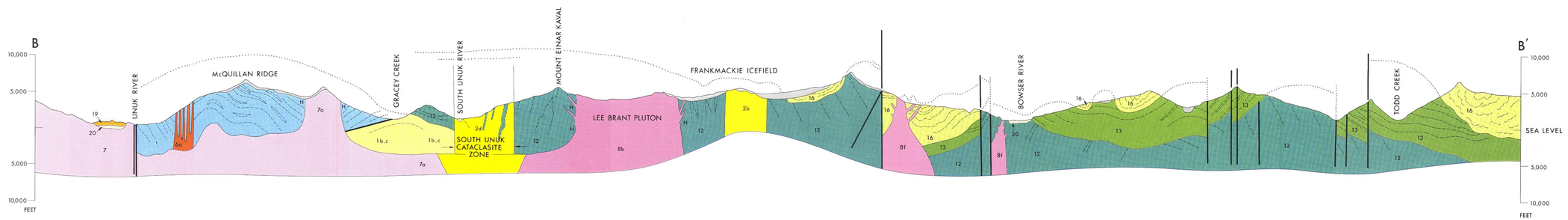

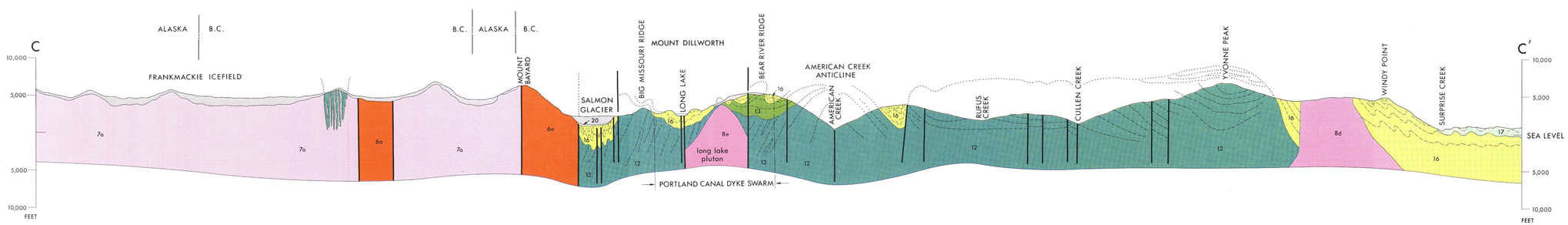

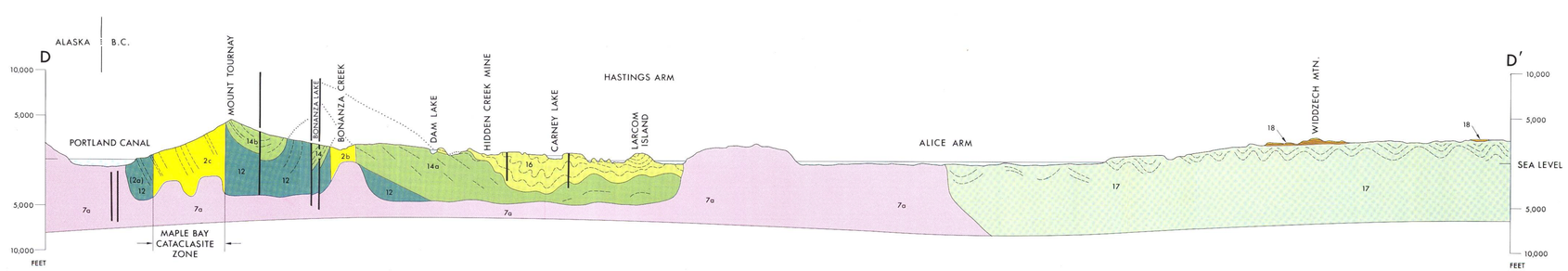

GEOLOGICAL CROSS-SECTIONS
UNUK RIVER, SALMON RIVER, AND ANYOX MAP AREA
STEWART COMPLEX

FOR LEGEND SEE ANYOX SHEET

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