

ANYOX

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

SCALE - 100 000

LEGEND

SEDIMENTARY AND VOLCANIC ROCKS

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

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, CONGLOMERATE, LITTLORAL 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, CONGLOMERATE, SANDSTONE, AND SILTSTONE (a); CRYSTAL AND LITHIC TUFF (b); SILTSTONE (c); MINOR CHERT AND LIMESTONE (INCLUDES SOME LAVA (14a)) (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, CONGLOMERATE (b); AND SOME BRECCIA (c); CRYSTAL AND LITHIC TUFF (d); LIMESTONE (e)

PLUTONIC ROCKS

OLIGOCENE AND YOUNGER

9 DYKES AND SILS (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)

JURASSIC

MIDDLE JURASSIC AND YOUNGER ?

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

LOWER JURASSIC AND YOUNGER ?

5 DIORITE (a); SYENODIORITE (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 1000 FEET) 5000

FAULT (DEFINED, APPROXIMATE) -

FAULT (THRUST) -

FAULT MOVEMENT (APPARENT) -

FOLD AXES, MINERAL LINEATION (HORIZONTAL, INCLINED) -

FOSSIL LOCALITY -

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 -

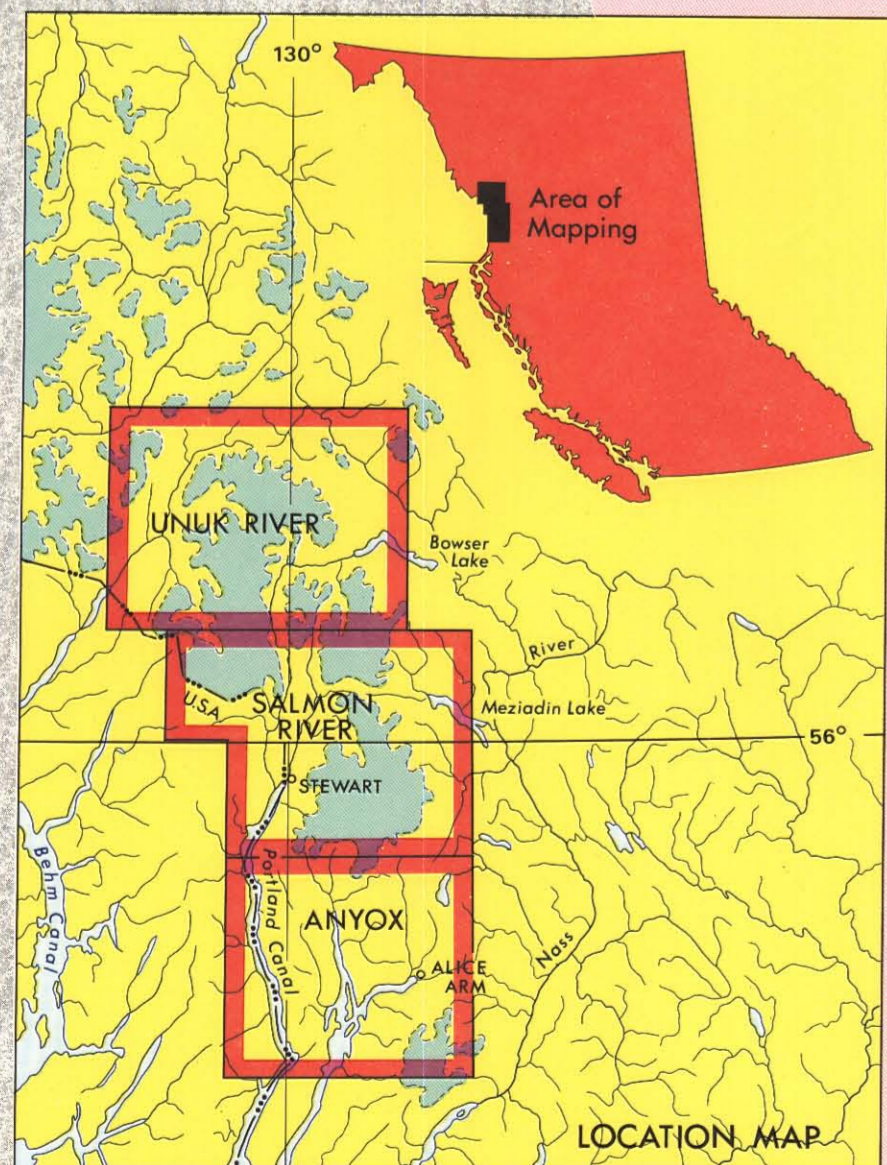
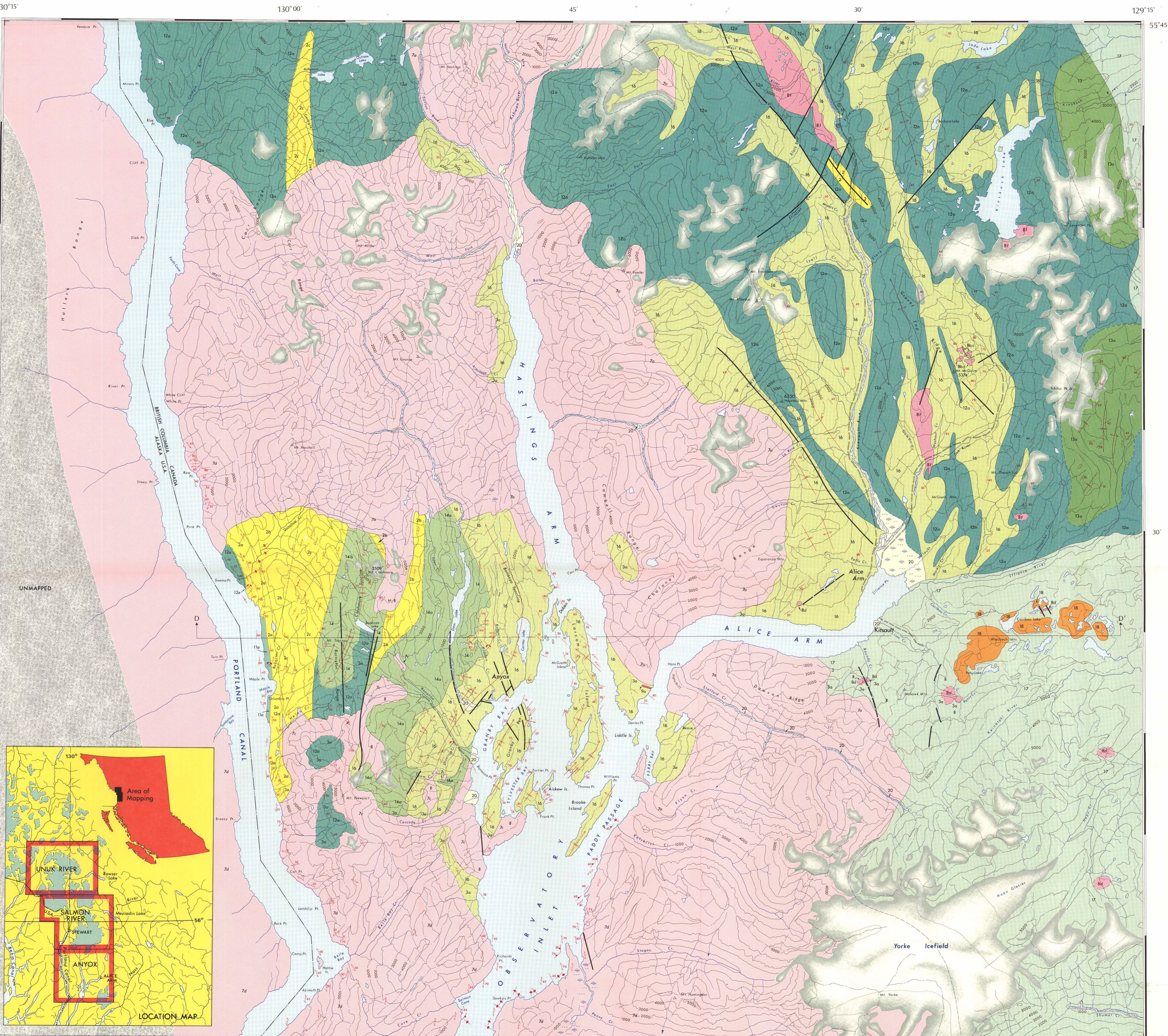
RIDGE TOP -

SCHISTOSITY (INCLINED, VERTICAL) -

SYNCLINE (NORMAL, OVERTURNED) -

TUNNEL -

VOLCANIC CONE -



UNUK RIVER-SALMON RIVER-ANYOX AREA
NORTH, CENTRAL, AND SOUTH SHEETS
ANYOX (1:50,000) IS 20 SHEETS (9/8)
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