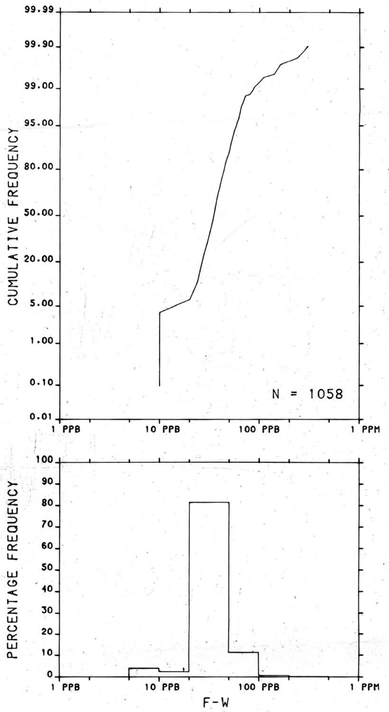
"Canada
Department of Energy, Mines and Resources
Geological Survey of Canada

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

Provincial Open File
BC RGS-11-1983 (93N)



Geological Survey of Canada
Resource Geophysics and Geochemistry Division

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

CONTRACTORS

Sample collection by Hardy Associates
Sample preparation by Golder Associates

Sediment chemical analysis by Chemex Labs Ltd.
Water chemical analyses by Acme Analytical Laboratories Ltd.

This map forms one of a series of maps released by the Geological Survey of Canada, Open Files 1000 and 1001. The Open File consists of maps of various geochemical variables: 14 for lake sediment, 3 for lake water and 1 sample site location

Copies of map material and listings of field observations and analytical data, from which the material was prepared, may be available at users expense by application to:

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The data are also available in digital form. For further information please contact:

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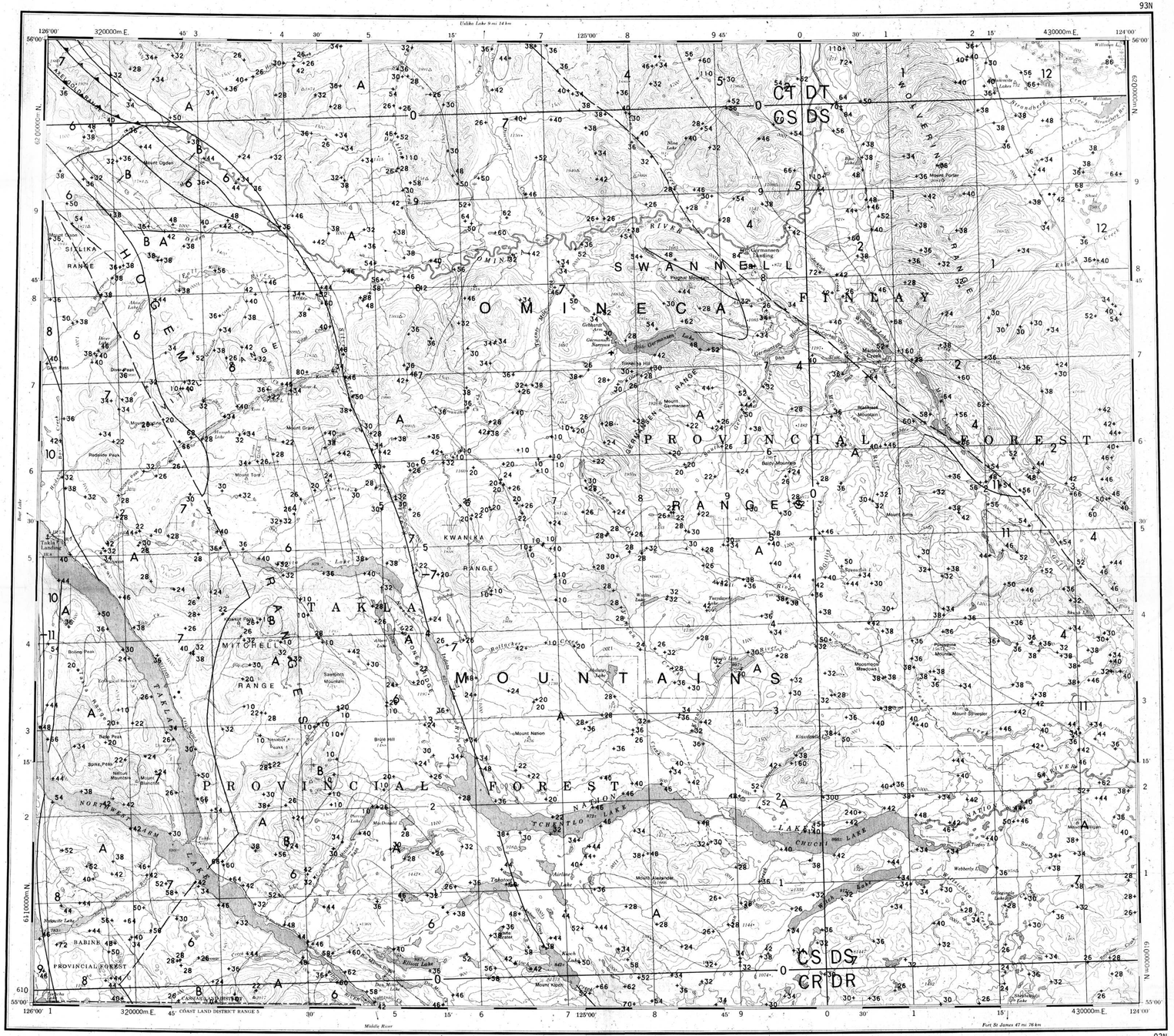

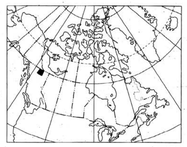

Elevation in feet above mean sea level

Magnetic declination 1984 varies from 26°01.2' easterly at centre of west edge to 25°58.6' easterly at centre of east edge. Mean annual change -9.5' easterly

FLUORINE in water (ppb)
GSC OPEN FILE 1001

REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 66-1983

JOINT CANADA/BRITISH COLUMBIA PROGRAM

STREAM SEDIMENT AND WATER GEOCHEMICAL SURVEY
CENTRAL BRITISH COLUMBIA

Scale 1:250 000

Kilometres 6 0 6 12 18 Kilomètres

Universal Transverse Mercator Projection

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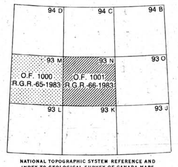
Base-map assembled by the Geological Cartography Unit from maps published at the same scale by the Surveys and Mapping Branch 1975



FLUORINE in water (ppb)

GSC OPEN FILE 1001
CENTRAL BRITISH COLUMBIA

LEGEND

Note: This legend is common for National Geochemical Reconnaissance 66-1983 Open File 1001

QUATERNARY

PLEISTOCENE TO RECENT

12 (TILL 44) TILL, GRAVEL, SAND, SILT, ALLUVIUM

MESOZOIC – CENOZOIC

UPPER CRETACEOUS AND LOWER TERTIARY

11 (RYLT 41) **OOTSA LAKE GROUP:** RHYOLITE, DACITE, TRACHYTE, SANDSTONE, SHALE, CONGLOMERATE

10 (CGLM 41) **SUSTUT GROUP, USLIKA FORMATION:** CONGLOMERATE, SHALE, SANDSTONE, GREYWACKE

MESOZOIC

LATE LOWER AND/OR EARLY UPPER CRETACEOUS

9 (SHLE 36) **RED ROSE FORMATION:** SHALE, GREYWACKE, CONGLOMERATE, COAL

JURASSIC

8 (BSLT 34) **TELKWA, NILKITKWA FORMATIONS:** BASALT, ANDESITE, BRECCIA, TUFF, SHALE, SILTSTONE

TRIASSIC

7 (ANDS 32) **TAKLA GROUP:** ANDESITE, BASALT TUFF, BRECCIA, CONGLOMERATE, GREYWACKE, SHALE, LIMESTONE

PALEOZOIC

PENNSYLVANIAN AND PERMIAN

6 (LMSN 23) **CACHE CREEK GROUP:** LIMESTONE, CHERT, ARGILLITE, GREENSTONE

SILURIAN AND DEVONIAN

5 (LMDM 17) LIMESTONE, DOLOMITE, SANDY DOLOMITE, QUARTZITE, SHALE

UPPER PALEOZOIC AND YOUNGER OR OLDER

4 (GRNS 10) GREENSTONE, ANDESITIC VOLCANIC ROCKS, ARGILLITE, SHALE, LIMESTONE

PROTEROZOIC AND PALEOZOIC

3 (MSDM 1) UNDIVIDED METASEDIMENTARY AND SEDIMENTARY ROCKS OF HADRYNIAN TO LOWER DEVONIAN AGE

PROTEROZOIC

2 (PLLT 04) **INGENIKA GROUP:** UNDIVIDED PHYLLITE, SCHIST, GRIT, LIMESTONE

AGE UNKNOWN

1 (GRNG 50) **WOLVERINE METAMORPHIC COMPLEX:** GRANITOID GNEISS, PEGMATITE, SCHIST, AMPHIBOLITE, QUARTZITE

PLUTONIC ROCKS

MESOZOIC AND YOUNGER

A (GRNT 41) **NAVER INTRUSIONS, TOPLEY INTRUSIONS, DUCKLING CREEK SYENITE COMPLEX, HOGEM BATHOLITH, OMINECA INTRUSIONS, AND SIMILAR GRANITIC ROCKS:** QUARTZ DIORITE, DIORITE, QUARTZ MONZONITE, GRANODIORITE, AND SYENITE, WITH MINOR GRANITE, PEGMATITE, AND APLITE

B (SRPM 41) **TREMBLEUR INTRUSIONS AND SIMILAR ULTRAMAFIC BODIES:** PERIDOTITE, DUNITE, PYROXENITE, AND SERPENTINITE

SYMBOLS

GEOLOGICAL BOUNDARY: MAPPED ASSUMED

FAULT: MAPPED, ASSUMED

THRUST FAULT (TEETH ON HANGINGWALL): MAPPED, ASSUMED

ANTICLINE

SYNCLINE

STREAM SAMPLE SITE

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FLUORINE in water (ppb)
GSC OPEN FILE 1001
CENTRAL BRITISH COLUMBIA