

**LEGEND**

**QUATERNARY**  
**PLEISTOCENE AND RECENT**  
**Q** Glacial till, alluvium

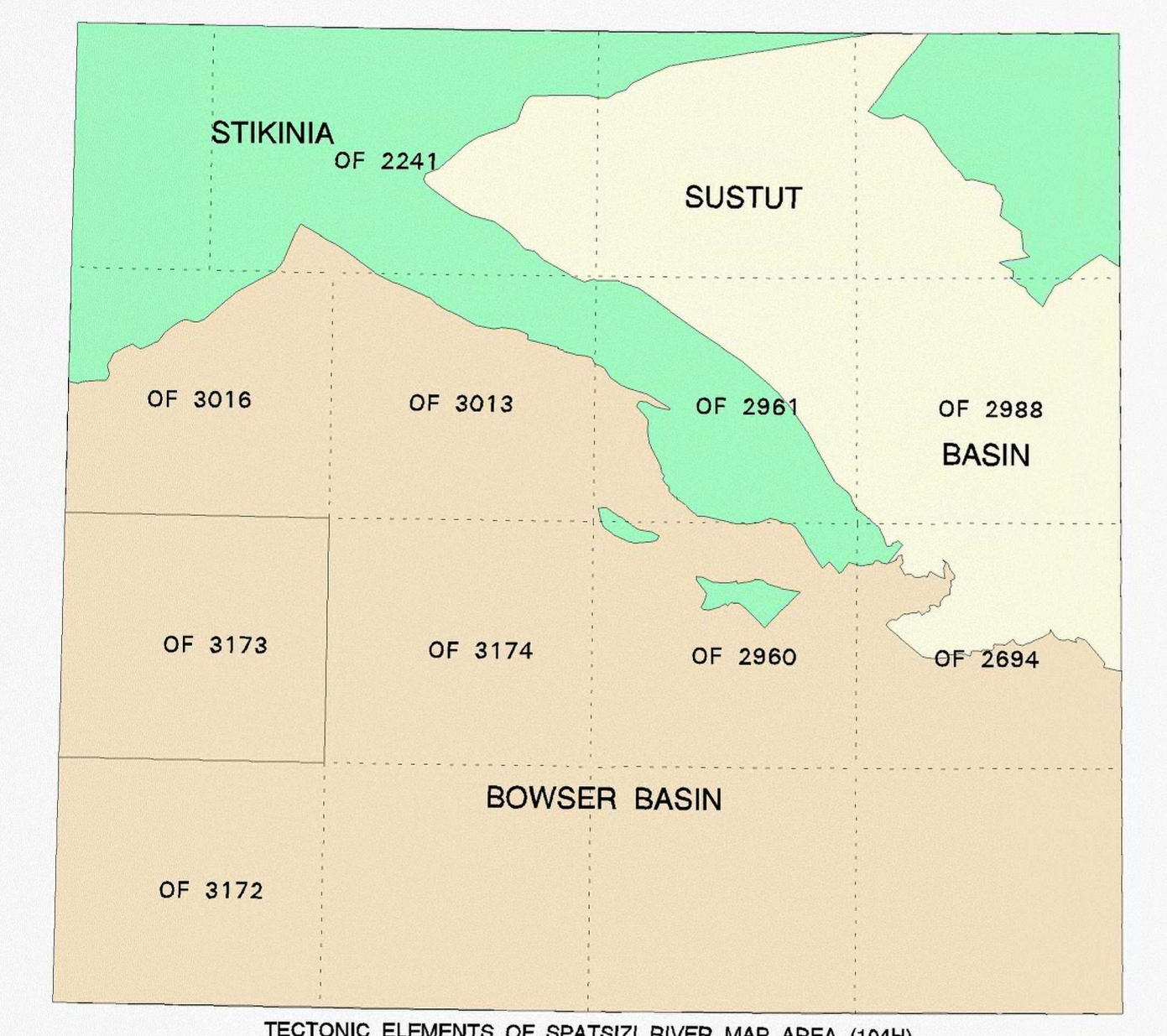
**TERTIARY**  
**PLIOCENE**  
**PMv +** MAITLAND VOLCANICS: Trachyte and olivine basalt rocks (shown as +) and flows (shown as -), and rare pillow and breccia; 5.7 to 4.9 Ma (K-Ar)

**JURASSIC AND CRETACEOUS**  
**UPPER JURASSIC AND LOWER CRETACEOUS(?)**  
**BOWSER LAKE GROUP (JKBd)**  
**JKBd** Conglomerate, sandstone, siltstone, minor coal, local marine fossils (deltaic facies)

**MESOZOIC**  
**JURASSIC**  
**MIDDLE TO UPPER JURASSIC**  
**BOWSER LAKE GROUP (JBA, JBdr)**  
**JBdr** Rusty weathering chert pebble conglomerate, with lesser sandstone, siltstone (deltaic facies)  
**JBs** Sandstone sheets and siltstone, minor conglomerate; marine fossils (shelf facies)  
**JBA** ASHMAN FORMATION: siltstone, chert pebble conglomerate, sandstone, orange weathering claystone beds in siltstone, (slope and submarine canyon facies)

**JBu** Individual Bowser Lake Group

Geological boundary (defined, approximate, assumed or inferred under Q) .....  
 Trace of individual beds from ground observation and aphotol interpretation .....  
 Anticline, trace of axial surface (defined, approximate, overturned) .....  
 Syncline, trace of axial surface (defined, approximate, overturned) .....  
 Open, inclined anticline, syncline (long arrow points in direction of dip of axial surface) .....  
 Bedding (inclined, vertical) .....  
 Cleavage (inclined) .....  
 Conglomerate .....



Geology by C.A. Evenchick (1989) and G.M. Green (1989)

Map compilation by C.A. Evenchick

Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada

Digital base map from Scan Conversion Services Inc., Burnaby, B.C. Generalized and modified by the Geological Survey of Canada

Copies of the topographical edition of this map may be obtained from the Canada Map Office, Natural Resources Canada, Ottawa, Ontario K1A 0G9

Digital geological cartography by R. Cooking, D. Chan, D. Dunn and C. Evenchick and D. McKee

Electrostatic plot produced by the Geological Survey of Canada

Magnetic declination 1994, 29° 14.7' East, decreasing 10.7' annually  
 Readings vary from 28° 31' East in the NE corner to 29° 09' East in the SW corner of the map

Elevations in feet above mean sea level

Sources of information for this compilation are geological mapping by Evenchick and Green in 1989

Previous geological map of the region is by Geological Survey of Canada (1957); the northwest-most corner is included in the map by Gabrielse and Tipper (1984).

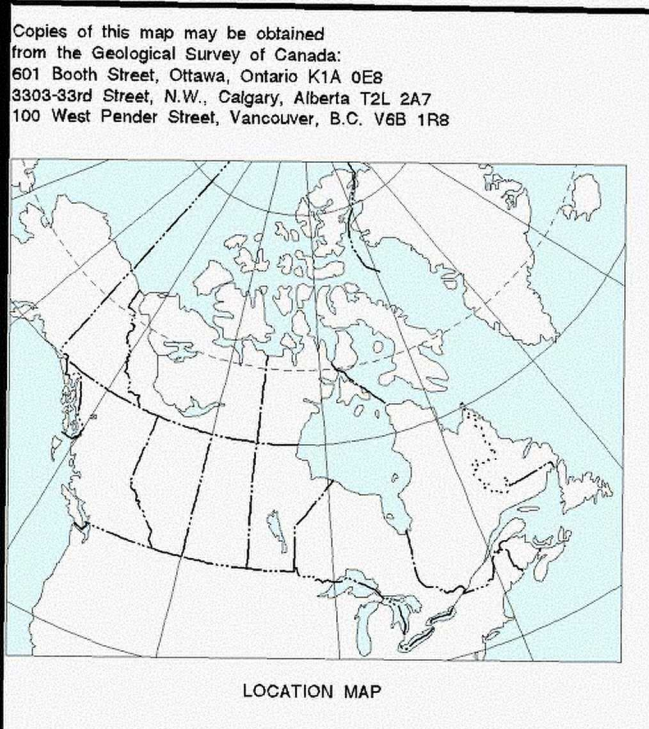
Geology of the surrounding region (104H) and descriptive notes are given by Evenchick and Thorkelson (1993).

**REFERENCES**

Evenchick, C.A. and Thorkelson, D.J.  
 1993: Geology, Spatsizi River, British Columbia (104H); Geological Survey of Canada, Open File 2719, scale: 1:250,000.

Gabrielse, H. and Tipper, H.W.  
 1984: Bedrock geology of Spatsizi map area (104H); Geological Survey of Canada, Open File 1005.

Geological Survey of Canada  
 1957: Stikine River area, Cassiar District, British Columbia; Geological Survey of Canada, Map 9-1957.



OPEN FILE 3173  
 GEOLOGY  
**MAITLAND CREEK**  
 BRITISH COLUMBIA

Scale 1:50 000 - Échelle 1/50 000

Kilometres 1 2 3 4 Kilomètres

Transverse Mercator Projection      Projection transverse de Méliot  
 © Crown copyright reserved      © Droits de la Couronne réservés

104G/9	104H/12	104H/11
	OF3016	OF3013
104G/8	104H/6	104H/5
	OF3173	OF3174
104G/1	104H/4	104H/3
	OF3172	

NATIONAL TOPOGRAPHIC SYSTEM REFERENCE AND INDEX TO ALIQUOT GEOLOGICAL SURVEY OF CANADA MAPS

**OPEN FILE DOSSIER PUBLIC 3173**

GEOLOGICAL SURVEY OF CANADA / COMMISSION GÉOLOGIQUE DU CANADA

OTTAWA

12/1995

Recommended citation:  
 Evenchick, C.A. and Green, G.M.  
 1995: Geology, Maitland Creek, British Columbia (104H5); Geological Survey of Canada, Open File 3173, scale 1:50 000.