

### LEGEND

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

**CENOZOIC**  
TERTIARY  
PLIOCENE  
PMv MATLAND VOLCANICS: Trachyte and siliceous basalt tuffs (about 3-1) and flows (boulder, 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)

**MESOZOIC**  
MIDDLE TO UPPER JURASSIC  
BOWSER LAKE GROUP (JBA, JKBd)

JKBd Conglomerate, sandstone, siltstone, minor coal, local marine fossils (shallow facies)

JBdr Rusty weathering chert pebble conglomerate, with lesser sandstone, siltstone (shallow facies)

JBs Sandstone sheets and siltstone, minor conglomerate; marine fossils (shallow 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 alpha interpretation .....

Anticline, trace of axial surface (defined, approximate, overturned) .....

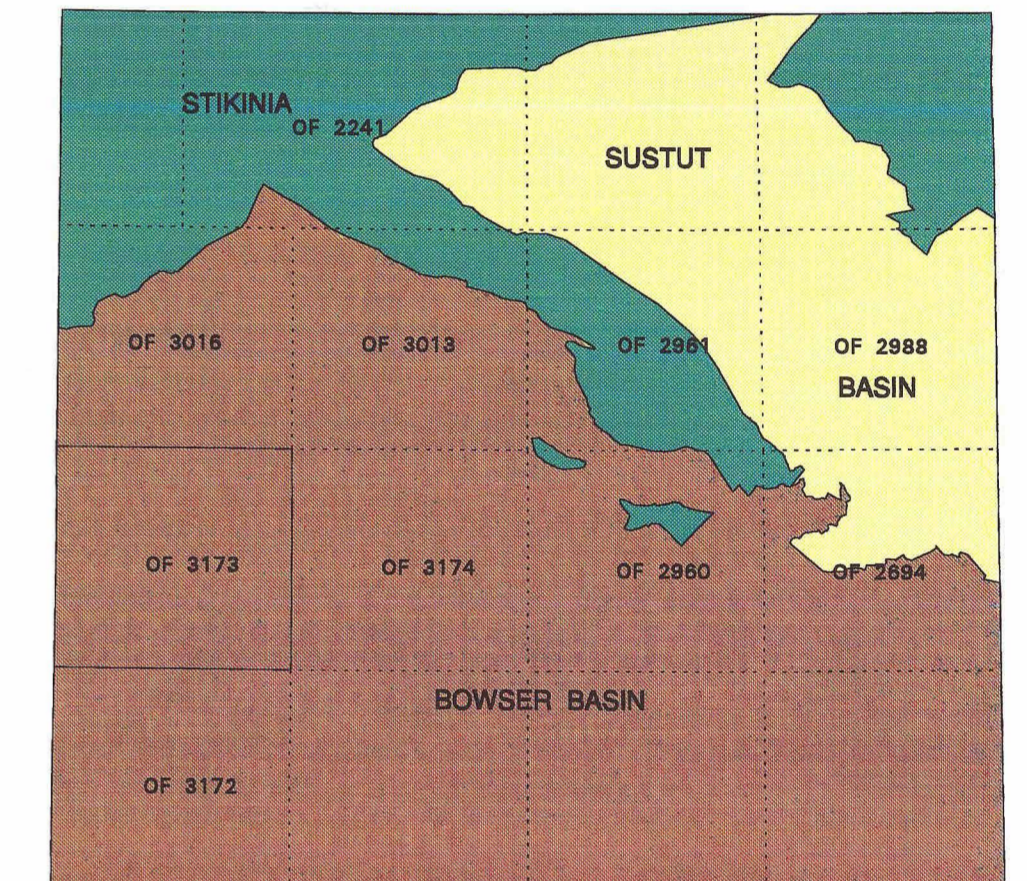
Syncline, trace of axial surface (defined, approximate, overturned) .....

Open, inclined anticline, syncline (long arrow points in direction of dip of axial surface) .....

Bedding (inclined, vertical) .....

Cleavage (inclined) .....

Conglomerate .....



TECTONIC ELEMENTS OF SPATSIZI RIVER MAP AREA (104H) AND LOCATION OF 104H5 (OF 3016)

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 Corporation 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 0G5

Digital geological cartography by R. Cookling, D. Chen, D. Dunn and C. Evenchick and D. McKee

Electrostatic plot produced by the Geological Survey of Canada

Magnetic declination 1984, 28° 14.75' East, decreasing 10.7' annually  
Readings vary from 28° 21' East in the NE corner to 28° 08' 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

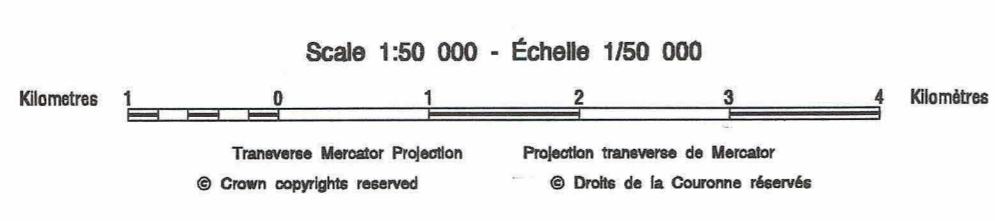
Evenchick, C.A. and Thorkelson, D.J.  
1993: Geology, Spatsizi River, British Columbia (104H); Geological Survey of Canada, Open File 2719, scale: 1:250,000.

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.

Scale of this map may be obtained from the Geological Survey of Canada, 901 Steeles Street, Ottawa, Ontario K1A 0G5

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



104G9	104H12	104H11
	OF3016	OF3013
104G8	104H8	104H6
	OF3173	OF3174
104G1	104H4	104H3
	OF3172	

NATIONAL TOPOGRAPHIC REVENUE REFERENCE AND INDEX TO ADJOINING GEOLOGICAL SURVEY OF CANADA MAPS

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12/1995