

LEGEND

QUATERNARY
PLEISTOCENE AND RECENT
Q Glacial till, alluvium, and colluvium; unit designators in parentheses are the inferred underlying bedrock units.

TERTIARY
PLIOCENE
PMV **PMH** **PMI** **MAITLAND VOLCANICS**: olivine basalt and minor trachyte necks (shown as + pattern) and flows; columns jointed with rare pillars and breccia; 5.2 to 4.6 Ma (K-Ar; dated rocks are in 104 H5, H2, H3).

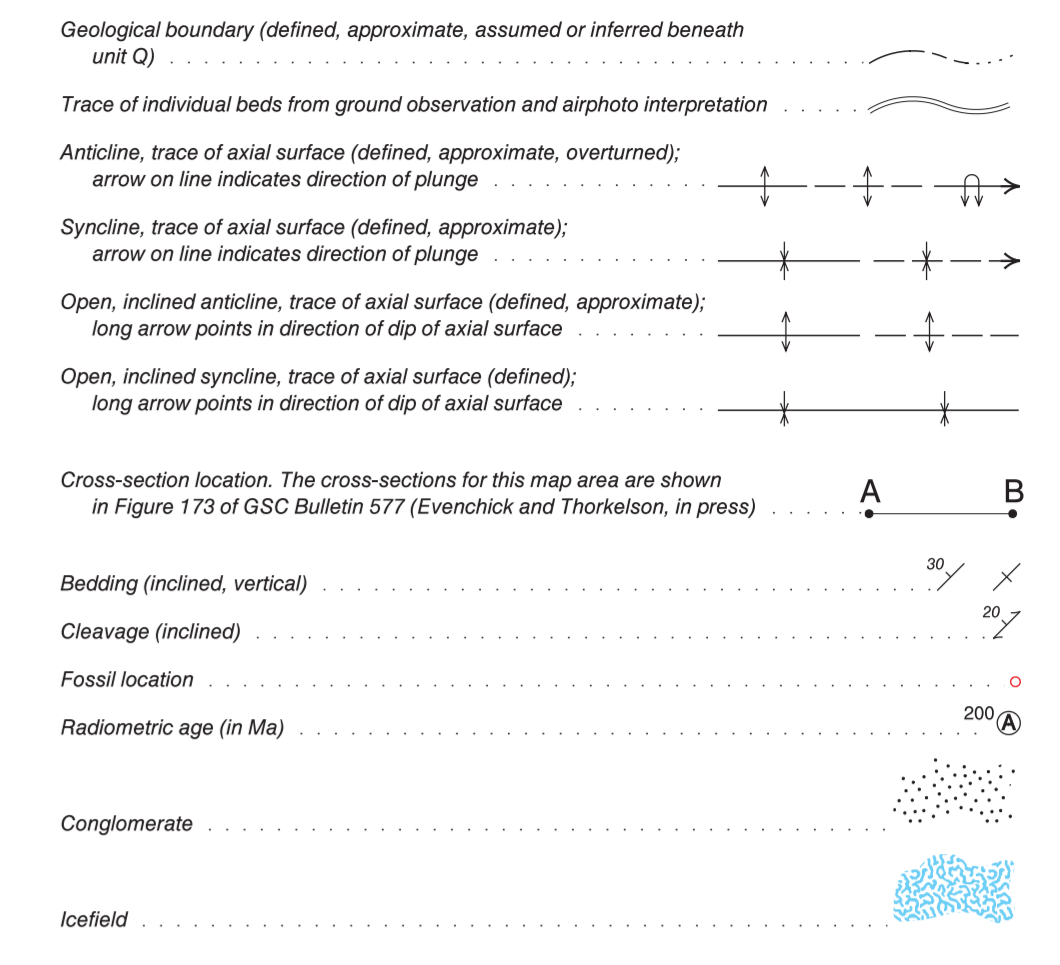
JURASSIC AND CRETACEOUS
UPPER JURASSIC AND LOWER CRETACEOUS
BOWSER LAKE GROUP (units JKbs and JKbu)
SKELHORNE ASSEMBLAGE (deltaic assemblage): thinly interbedded and varicoloured siltstone, sandstone, and conglomerate (with or without coal), commonly arranged in coarsening- and thinning-upward cycles; common features of sandstone are parallel bedding, crossbedding, ripples, burrows, bivalve coquina, and brown, green, and grey-weathering; conglomerate is rusty- and grey-weathering, but constitutes a lower proportion (15–30%) of the unit than in the Englebert assemblage; conglomerate units, up to 50 m thick, cap cycles up to 70 m thick, and tops locally have megaripples; plant and marine fossils are ubiquitous, and trace fossils including *Stollitus* and *Diplocarion* are present, as are tree fragments several metres long.

JKBs Undivided Bowser Lake Group.

JURASSIC
UPPER MIDDLE TO UPPER JURASSIC
BOWSER LAKE GROUP (units Jbt and Jbc)
ENGLEBERT ASSEMBLAGE (deltaic assemblage): conglomerate, sandstone, siltstone, mudstone, and rare coal; arranged in coarsening- and fining-upward cycles of mudstone to pebble or cobble conglomerate; prominently rusty-weathering and 30 to 80% conglomerate; sheets of conglomerate, up to 50 m thick, include planar beds, tabular-planar cross-stratification and trough cross-stratification, with sets locally up to tens of metres thick; sandstone is green, brown, and grey-weathering, and has planar cross-stratification and hummocky cross-stratification; sparse marine fossils, but abundant plant fossils, including silicified tree fragments.

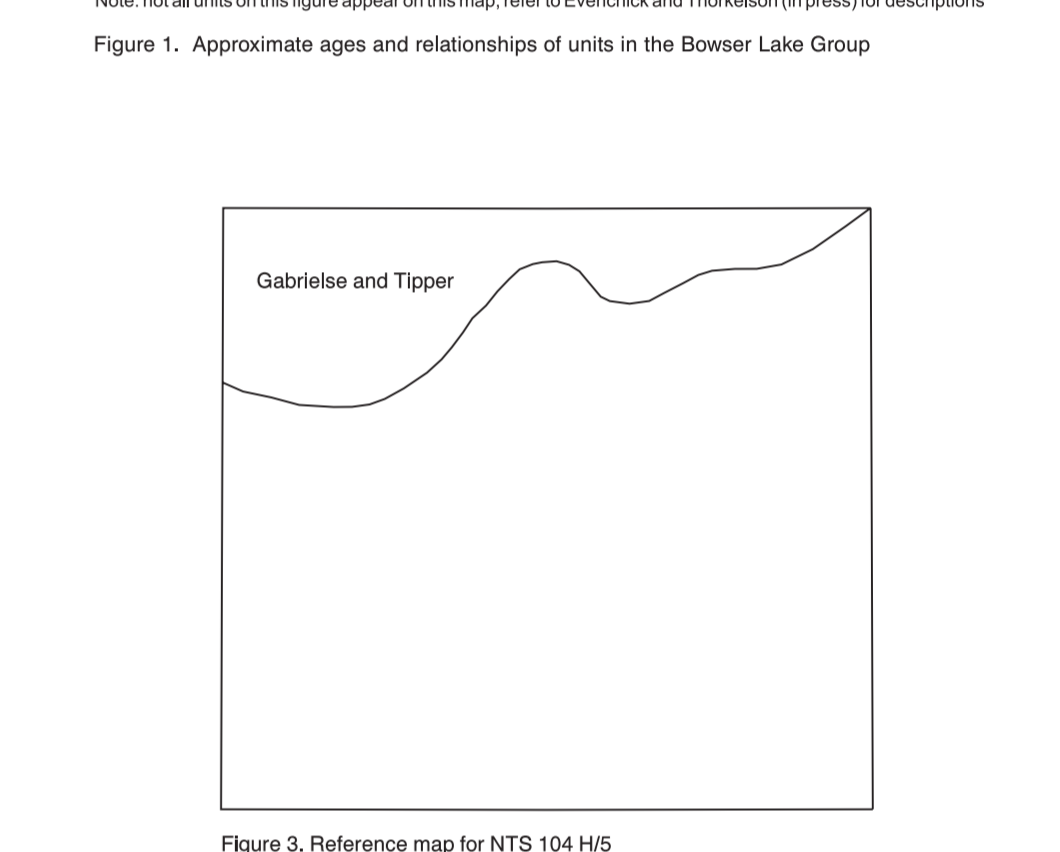
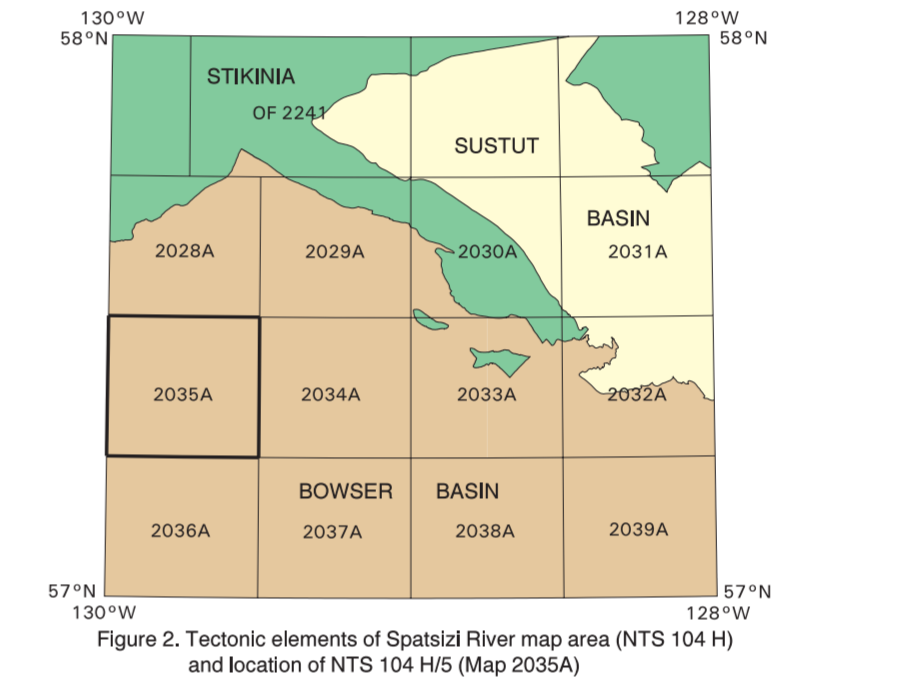
JBCs **MUSKABOO CREEK ASSEMBLAGE** (shelf assemblage): sandstone, siltstone, and conglomerate; primary lithofacies is sandstone, forming laterally continuous, thin- to thick-bedded sheets; less common are siltstone interbedded with sandstone, and lenses of conglomerate; sandstone is green, brown, and grey-weathering, thin- to thick-bedded, and locally arranged in coarsening-upward cycles; includes burrows, bivalve coquina, and other marine fossils; common ripple marks and crossbedding, and local hummocky cross-stratification; conglomerate increases in proportion and thickness upsection.

JBT **TODAGIN ASSEMBLAGE** (slope assemblage): siltstone, fine-grained sandstone, and conglomerate; mainly laminated siltstone and/or fine-grained sandstone, which is dark grey- to black-weathering and includes thin, orange-weathering claystone beds and syndepositional faults and folds; chert-pebble conglomerate occurs as lenses; marine fossils.



Cretaceous	Ma	Southwest		Northeast	
		Upper	Lower	Upper	Lower
Cretaceous	97	Albian	Jenkins Creek assemblage	Devils Claw Formation	Jenkins Creek assemblage
	145.6	Aptian	Groundhog-Gunnost assemblage	JKbc	Faces relations uncertain
	157.1	Barremian	JKbs	JKbc	Faces relations uncertain
Jurassic	145.6	Berriasian	JKbc	JKbc	Faces relations uncertain
	157.1	Callovian	JKbc	JKbc	Faces relations uncertain
		Bathonian	JKbc	JKbc	Faces relations uncertain
		Badajozian	JKbc	JKbc	Faces relations uncertain

Note: not all units in this figure appear on this map; refer to Evenchick and Thorlson (in press) for descriptions.



MAP 2035A
GEOLOGY
MAITLAND CREEK
BRITISH COLUMBIA

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

Digital geological cartography by C.L. Wagner and R. Cocking,
 Earth Sciences Sector Information Division (ESS Info),
 D. Chan, D. Dunn, C. Evenchick, and D. McKee,
 Geological Survey of Canada

Scale 1:50 000 / Échelle 1/50 000

Projection: Transverse Mercator / Projection transverse universelle de Mercator
 Datum: North American Datum 1927 / Système de référence géodésique nord-américain, 1927
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Digital base map produced by vectorization of paper copy base map from Geomatics Canada, modified by ESS Info

Mean magnetic declination 2004, 23°40' E, decreasing 15.2' annually

Elevations in feet above mean sea level

Contour interval 100 feet

104 G9	104 H12	104 H13
2028A	2029A	
104 G8	104 H5	104 H6
2035A	2034A	
104 G1	104 H4	104 H3
2036A	2037A	