

Undivided Spatsizi Formation: siltstone, siliceous siltstone, calcareous siltstone,

Mafic lava flows, mainly with phenocrysts of plagioclase and augite or hornblende, minor welded ignimbrite and felsic sills, some hosting grains of feldspar, biotite,

Felsic to intermediate sills, ignimbrite, and air-fall tuff, some units rich in plagioclase,

Undivided Stuhini Group, Griffith Creek volcanics, and coarse clastic rock; the latter is

volcanic breccia (unit TJc on adjoining maps); full description provided in Evenchick

Undivided Stuhini Group, Griffith Creek volcanics, Cold Fish Volcanics, and coarse clastic rock; the latter is primarily volcanic and granitoid conglomerate, but includes sandstone, shale, and volcanic breccia (unit TJc on adjoining maps); full description

primarily volcanic and granitoid conglomerate, but includes sandstone, shale, and

biotite, hornblende, or quartz, minor epiclastic rocks and mafic lava.

mudstone, fine-grained sandstone.

quartz or hornblende.

UPPER TRIASSIC TO LOWER JURASSIC

and Thorkelson (in press a).

128°28'30"W

57°31'30"N 😓

57°30'30"N

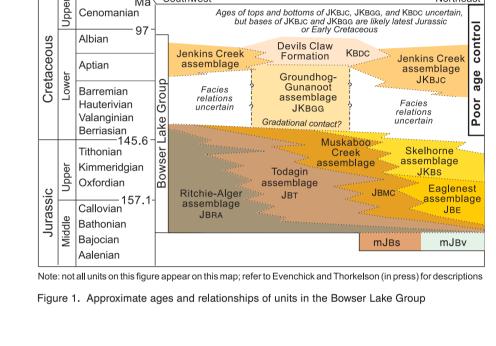
128°28'30"W

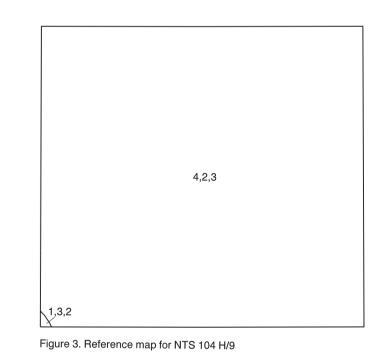
GRIFFITH CREEK VOLCANICS (units JHGf-JHGm)

provided in Evenchick and Thorkelson (in press a).

LOWER JURASSIC HETTANGIAN







Sources of information for this compilation are geological mapping by 1) D.J. Thorkelson, 1986, 1987, (1992); 2) C.A. Evenchick, 1985, 1988, 1989; 3) H. Gabrielse and H.W. Tipper, 1983, (1984); and 4) Eisbacher (1974). Dates in parentheses are years of publications. Other dates are years of fieldwork from which fieldnotes are the source of

Previous geological maps of the region are by Geological Survey of Canada (1957), Eisbacher (1974), Gabrielse and Tipper (1984), and Thorkelson (1992). Geology of the surrounding region (NTS 104 H) and descriptive notes are given by Evenchick and Thorkelson (in

REFERENCES

Eisbacher, G.H. 1974: Sedimentary history and tectonic evolution of the Sustut and Sifton basins, north-central British Columbia; Geological Survey of Canada, Paper 73-31, 57 p. Evenchick, C.A. and Thorkelson, D.J. In press a: Geology, Spatsizi River, British Columbia; Geological Survey of Canada, Map 2040A, scale 1:250 000. In press b: Geology of the Spatsizi River map area, north-central British Columbia; Geological Survey of Canada, Bulletin 577.

Gabrielse, H. and Tipper, H.W. 1984: Bedrock geology of Spatsizi map area (104 H); Geological Survey of Canada, Open File 1005, scale 1:125 000. Geological Survey of Canada

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

1992: Volcanic and tectonic evolution of the Hazelton Group in Spatsizi River (104 H) map area, north-central British Columbia; Ph.D. thesis, Carleton University, Ottawa, Ontario, 299 p.

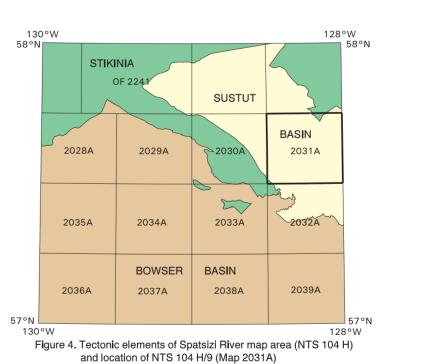


Figure 2. Detail of area with high density of fossil locations

57°30'30"N

128°27'00"W

LOCATION MAP