



MINFILE NTS 093A – QUESNEL LAKE

*Original release date: September 1989, updated 1996
Researched and compiled by: D.B. Bailey*

The Quesnel Lake map area contains 163 recorded mineral occurrences and covers parts of the Omineca and Intermontane tectonic belts. The Quesnel Lake map area contains 163 recorded mineral occurrences and covers parts of the Omineca and Intermontane tectonic belts. It is dominated by the Quesnellia and Barkerville terranes. The map area is predominantly underlain by Upper Triassic to Lower Jurassic Nicola Group island arc volcanic and sedimentary rocks and associated intrusions, and to a lesser extent, Lower Paleozoic metasedimentary rocks.

Exploration in the Quesnel trough is at a high level. Targets are precious metals in quartz veins and vein replacements (**Cariboo-Hudson** (093A 071), **Megabucks** (093A 078) and **CPW** (093A 043)), alkali porphyry (**Mount Polley** (093A 008)) and porphyry-related deposits (**QR** (093A 121) and **Boss Mountain** (093A 001)), stratabound lead-zinc (**Maybe** (093A 110)), and basal phyllite-hosted gold deposits (**Frasergold** (093A 150)). In placer mining there is a trend towards exploiting interglacial and preglacial deposits or buried channels in the **Horsefly** (093A 015), **Likely** (**Bullion Pit** (093A 025)) and **Keithley Creek** (093A 004) areas. Other commodities of interest are fluorite and silver at the **Eaglet** (093A 046), silica in volcanic ash at the **Horsefly** (093A 134), talc at **Sovereign Creek** (093A 013), and mica at **Mica Mountain** (093A 083).