



## MINFILE NTS 093D & 103H – BELLA COOLA & LAREDO SOUND

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**The Bella Coola (093D) and Laredo Sound (103A) map areas contain 45 recorded mineral occurrences.** The region is underlain by the Paleozoic to Tertiary Coast Plutonic Complex. Paragneisses of (?)Paleozoic age, younger deformed metasediments and volcanics related to the Stikinia terrane are interspersed within the plutonic complex. The westernmost portion (103A) of the area is underlain by Triassic metasedimentary rocks of the Alexander terrane. The northeastern part is underlain by Jurassic Hazelton Group mafic volcanic and sedimentary rocks, and Lower Cretaceous Gambier Group felsic volcanics. Pendants of the Hazelton and Gambier Groups are abundant within Coast Plutonic Complex along its eastern boundary zones. These rocks are variably deformed, containing both northeast and northwest trending structures.

Copper and molybdenum showings occur in quartz veins hosted by diorite, quartz diorite and granodiorite of probable Triassic age and in fractures and veins in hornfelsed Hazelton volcanics. Molybdenum also occurs in quartzose shears hosted in Coast Plutonic Complex rocks. The massive sulphide prospect **Nifty** (093D 006), associated showings, the **Keen** (093D 007), and the **Jamtart** (093D 023), are hosted in a roof pendant of Hazelton Group volcanics and greenstone. Copper and silver occur in biotite granite porphyry dikes at the **Bella Coola Chief** (093D 009) occurrence. Magnetite, copper, molybdenum, gold and silver are hosted in garnet epidote skarns. A pegmatitic stockwork, anomalous in uranium, cuts skarn and granodiorite at the **Promise Well** (093D 012) showing. Minor asbestos is hosted in a serpentinite of unknown affinity. Limestone has been mined at **Beale's Quarry** (093D 008) and at the **Laredo** (103A 001) limestone deposit.

Six showings of vein graphite occur in a 33 kilometre long northwest trending linear pattern, from the bend in Mussel Inlet, southeast across the east end of Kynoch Inlet; the **Giant** (103A 011), the **Gem** (093D 019), the **Grey Giant** (093D 020), the **Zenith** (093D 021), the **Black Lead** (103A 010) and the **Green Giant** (093D 018). The showings lie on or near the trace of the inferred southern extension of the Work Channel lineament (GSC Map 1712A), as are the graphite showings **Elcho Harbour** (093D 028) and **Bentinck Arm** (093D 027), further south on the map sheet, and the **AA** graphite prospect (092M 017) on map sheet 92M to the south.

### SELECTED REGIONAL REFERENCES (NTS 093D & 103H – BELLA COOLA & LAREDO SOUND)

Gareau, S.A. (1991): The Scotia-Quaal metamorphic belt: a distinct assemblage with pre-early Late Cretaceous deformational and metamorphic history, Coast Plutonic Complex, British Columbia; Canadian Journal of Earth Sciences, Vol 28, pages 870-880.