MINFILE
NTS 103G – HECATE STRAIT

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In this map area, the Hecate Strait separates several large coastal Islands near the mainland and the eastern edge of Graham and Moresby islands (Queen Charlotte Islands). The map contains 48 recorded mineral occurrences.

The Queen Charlotte Islands section occurs within the Insular Belt and is underlain primarily by Triassic to Tertiary volcanics ad sediments. This portion of the map area is frequented by Tertiary epithermal gold deposits occurring in Jurassic volcanics on or near the Sandspit fault. Along the east shore of Graham Island over 22,240 grams of gold were derived from Quaternary beach placers (**Bull Swamp** (103G 001) and **Oeanda** (103G 002). These also contained magnetite, titaniferous hematite and ilmenite.

The mainland section lies within the Coast Crystalline Belt and is underlain mainly by igneous rocks of the Cretaceous to Tertiary Coast Plutonic Complex. The Yellow Giant prospects (**Kim** (103G 021), **Bob** (103G 024), **Discovery** (103G 025), **Tel** (103G 026), and **Englishman** (103G 030)) on Banks Island are of interest. Here, several zones hosting gold and silver have been examined with the skarn-type **Main Tel** zone, reported to contain 71,349 tonnes of ore grading 14.4 grams per tonne gold. Other notable commodities found in the map area include iron/magnetite, lead, zinc, molybdenum, copper and limestone.

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