

BJ PROSPECT, LADYSMITH AREA
(92B/13W)

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The prospect is 5 kilometres southwest of Ladysmith, and is reached by a circuitous system of roads which leaves the Island Highway at the railway overpass north of the town. It is north of Holland Lake, in a limited exposure low on the southwest slope of a ridge.

Mineralization occurs in the northeast contact zone of a small granitic body (Fig. 5) that is either a stock or a large apophysis of Clapp's Ladysmith batholith (*sic*). The rock immediately adjacent to the stock is black amphibolite cut by many small granitic dykes and pegmatitic vein-dykes. It passes northeastward through migmatite to somewhat schistose and recrystallized hornblendic trachyte of the Sicker Group. To the southeast the trachyte is in contact with shonkinite which, like the amphibolite, is cut by many small granitic dykes. The amphibolite and migmatite contain wispy zones, 30 to 60 centimetres wide, of disseminated and seam pyrite accompanied by less chalcopyrite. These zones are exposed in only one place, and only scattered occurrences of sparsely disseminated pyrite were found in the trachyte and shonkinite.

The BJ claim was inadvertently overstaked, and a quarry was opened in the contact zone of the stock to provide rock-facing for dams at each end of Holland Lake. These dams will create a reservoir for Ladysmith.

REFERENCE

Clapp, C. H. (1917): Sooke and Duncan Map-Areas, Vancouver Island, British Columbia, *Geol. Surv., Canada*, Mem. 96, p. 191.

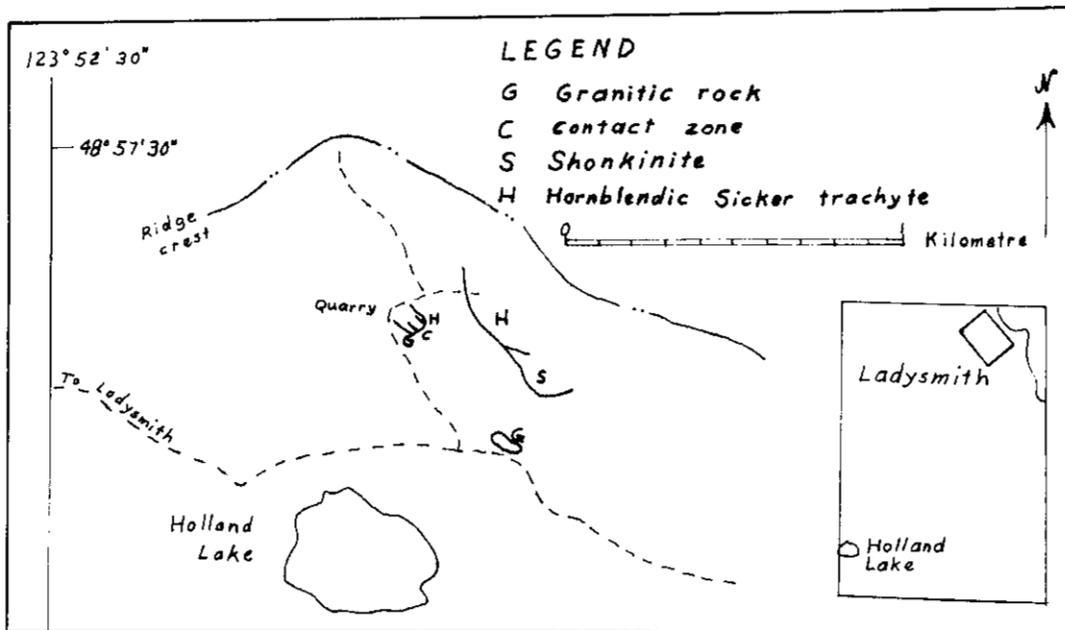


Figure 5. Sketch of the Holland Lake area.