

Average samples of magnetite from the second level Texada Island workings:

	Lindeman's Sample	McConnell's Sample
Iron	64.55 per cent	62.57 per cent
Sulphur	0.303 per cent	0.403 per cent
Phosphorus.....	Not determined	0.024 per cent
Insoluble matter	"	6.46 per cent

Lindeman reports a sample from Head Bay, Noctka Sound, that assayed:

Iron	66.17
Sulphur	0.017
Phosphorus	0.016
Silica	6.10

An average sample of the ore taken along the tunnel, on the Bugaboo Creek Group, gave the following analysis:

Insoluble matter	8.88
Iron	58.30
Sulphur	2.75
Phosphorus	0

A sample taken by Carmichael from the "Conqueror" Group, assayed:

Iron	69.2
Silica	2.7
Sulphur	0.5

A sample reported by Carmichael from the dump at the portal of the adit, Sarita, assayed:

Iron	63.7
Sulphur	0.3
Phosphorus	Trace
Silica	3.85

GENERAL STATEMENTS.

"The total tonnage of the Vancouver Island deposits is undoubtedly large and probably approaches that of all other iron ore reserves in British Columbia which are near enough to the Coast to be of any immediate importance as a source of ore for a blast furnace located on tide water."—WHITTIER. (p. 67).

"The best known sources of iron ore for the Northwestern United States are Texada Island and the West side of Vancouver Island, B. C., especially near Barclay Sound."—LEITCH.

"It is a well known fact that there are no good iron ores on the Pacific Coast south of British Columbia. The several iron industries which have attempted to establish themselves on the West Coast have invariably looked to British Columbia for iron ore. The Irondale Furnace at Port Townsend, mentioned above as being the largest consumer, has shown that these ores can be successfully smelted, and that satisfactory steel can be made from them.

"The Battleship 'Nebraska', constructed at Seattle, was partly manufactured from Irondale pig—made from Texada iron ore."—WILLMOTT.

"Pig iron can be produced on the Pacific Coast for several dollars less (per ton) than eastern iron can be delivered in the Coast cities."—WHITTIER.

"The better properties on the Coast should be capable of supplying a tonnage sufficient for a local iron industry."—LINDEMAN.

"There can be little doubt that sufficiently large bodies of ore can be found convenient to transportation, to supply large furnaces. A sample of this ore was submitted to Mr. Watson, of the Soo Furnace, who stated that it was suitable for the Bessemer process, and could probably be used without previous roasting."—WILLMOTT.

"Outside of areas mentioned (Vancouver and Texada Islands), there are a number of known magnetic iron deposits, which have not been officially examined and consequently are not included in the official estimate. Such deposits are known to exist on Porcher and Pitt Islands, Seymour Inlet, etc. There are also several large deposits on Queen Charlotte Islands.

It is probably more or less assured that a full investigation of these Northern properties would show up as much ore as is now estimated for Vancouver and Texada Islands, thus doubling the probable ore supply."—MINISTER OF MINES.