

hematite-magnetite concentrate started in 1962. Annual capacity is 7 million tons of concentrate averaging about 65 per cent iron. A pelletizing plant, to be completed in 1963, will pelletize 5.5 million tons of this concentrate.

Lowphos Ore, Limited

This subsidiary of National Steel Corporation of the United States started development of an iron ore deposit 35 miles north of Sudbury, Ontario, in 1957 for the production of 500,000 tons of concentrate annually. Shipments started in 1959. The reserves were originally estimated at 20 to 25 million tons of magnetic iron formation grading 30 to 35 per cent iron.

In 1962, it was announced that the company would install a pelletizing plant to pelletize all production. The ore is shipped by rail to Depot Harbour on Georgian Bay and thence to the parent company's steel plant at Detroit, Michigan.

Marmoraton Mining Company, Limited

The Marmoraton iron ore deposit is near Marmora, 30 miles east of Peterborough, Ontario. The company is a subsidiary of Bethlehem Steel Company of the United States.

Stripping of the orebody and construction of a concentrator and a pelletizing plant was completed in 1955. The original orebody contained 17 million tons of magnetite grading 37 per cent iron and was capped by about 110 feet of limestone. The plant has an annual capacity of 500,000 tons of pelletized iron ore containing about 66 per cent iron. Some of the output is shipped by rail to Picton on Lake Ontario and thence by boat to the parent company's plants in the United States. The remainder is shipped by rail to steel plants at Lackawanna near Buffalo and to Hamilton.

Nimkish Iron Mines Limited

This company started production of magnetite concentrate in 1959 from a small open pit mine near Nimkish Lake, 26 miles southwest of Beaver Cove on the northern part of Vancouver Island, British Columbia. The crude ore, grading about 39 per cent iron, is magnetically concentrated to about 60 per cent iron. All concentrate is shipped to Japan. The company has a million-ton contract which should be filled by the end of 1963.

Quebec Cartier Mining Company

Quebec Cartier Mining Company, a subsidiary of United States Steel Corporation, began development in 1958 for production of 8 million tons of high-grade concentrate annually from a large deposit near Lac Jeannine, Quebec, some 160 miles northwest of Sept-Iles. The Lac Jeannine deposit contains about 300 million tons of hematite iron formation grading about 30 per cent iron.

Shipments of fine concentrate, containing 66 per cent iron, began in mid-1961. Construction included a large harbor at Port Cartier, a 196-mile railway, mine development, two townsites, a hydro-electric project and a huge concentration plant.

About 60 per cent of its production is to go to the parent company's steel plants in the United States. The remainder will be sold in the United States, Canada, Britain and Western Europe.