

Imperial Metals Corporation

802120

MOUNT POLLEY

Commodities: Copper, gold

Ownership: Imperial Metals Corporation

Reserves: 53,000,000 tons mineable

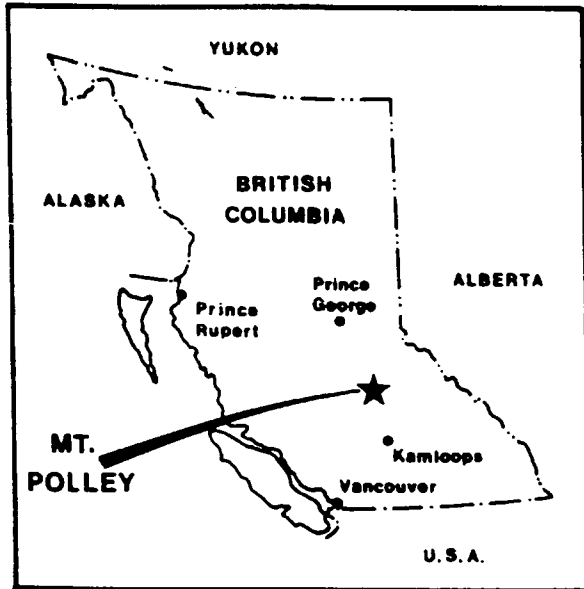
Grades: 0.44% Cu; 0.017 opt Au

Mining Method: Open pit, stripping ration 1.9:1

Production: 15,000 t/day
5,000,000 t/year

Capital Cost: Estimated \$135,000,000

Status: Production decision by mid 1990.



Location The Mount Polley open pit copper/gold deposit is located in south central British Columbia. From Williams Lake, access is by 83 km of paved road to Moorehead Lake and then 14 km by logging road. The property consists of 100 claims covering 13,300 acres.

Geology Mount Polley is a porphyry deposit occurring in an alkalic intrusive complex centrally located in the Quesnel Trough, a 35 km wide northwesterly trend strip of early Mesozoic volcanic-sedimentary rocks lying along the eastern edge of the intermontane belt. Six copper zones have been outlined to date. Porphyry type copper-gold mineralization is concentrated in two adjoining intrusive breccias. Magnetite and chalcopyrite occur as disseminations and veinlets within the host rock.

Exploration A total of 528 holes and 200,000 feet of percussion, rotary and diamond drilling has been completed on the property. 21,000 feet of trenching was done over the known mineralized zones. Six deep trenches recovered 130 tonnes of ore for bulk testing.

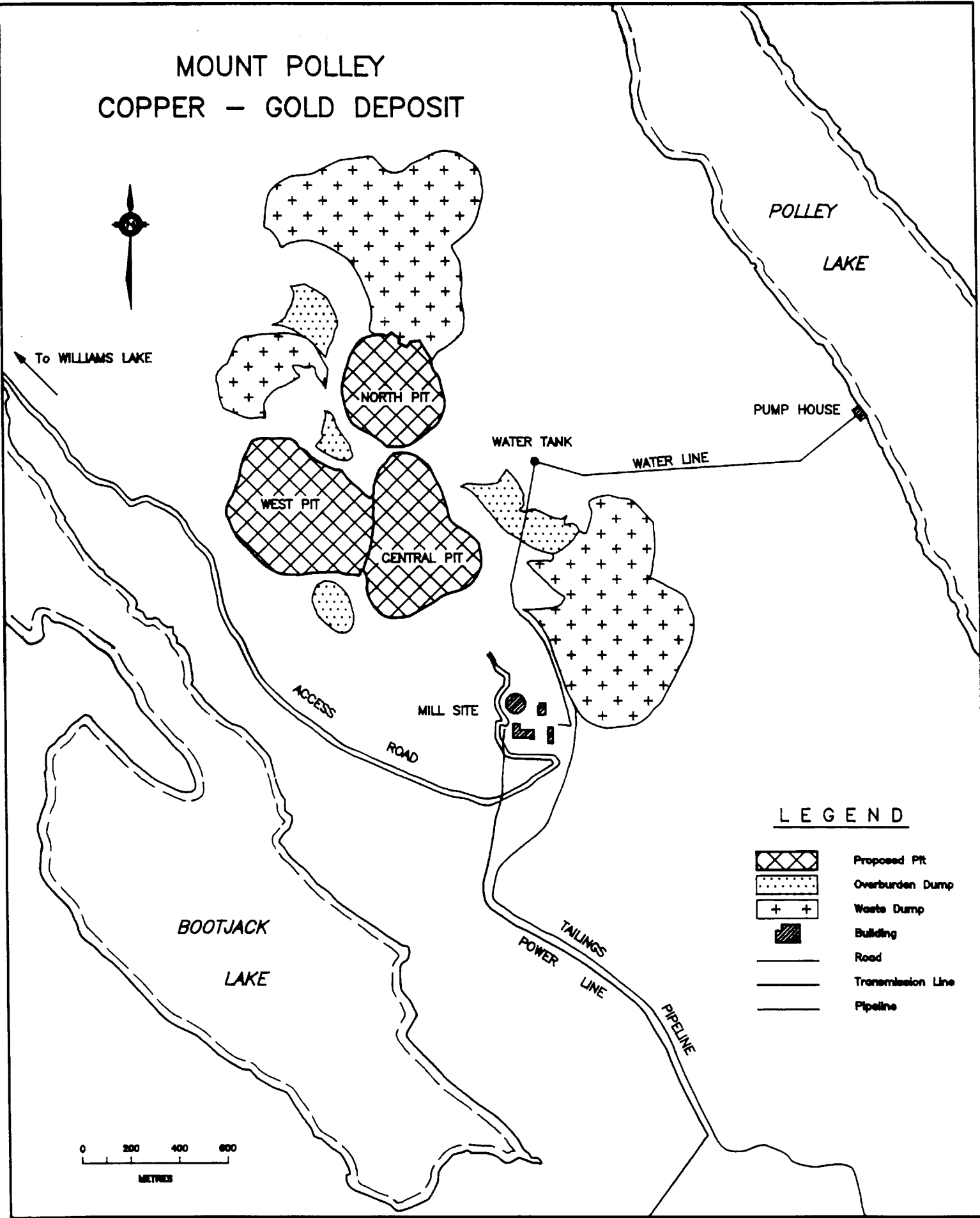
Reserves Six zones of porphyry copper-gold mineralization have been outlined on the property, two of them of economic proportions. The Central and West Zones form a reverse "L" measuring 3,300 feet north/south by 3,300 feet east/west. The mineable deposit contains 53,000,000 tons grading 0.44% copper and 0.017 opt gold with an overall strip ratio of 1.9:1. Metallurgical tests achieved recoveries in excess on 80% copper and 85% for gold based on standard two stage flotation with a 65% minus 200 mesh grind on 50% non sulphide ore grading 53% copper and 0.021 opt gold.

1990 Feasibility Wright Engineers Limited is preparing a full feasibility study covering ore reserves, metallurgy, environmental impact, capital and operating costs, open pit design, production scheduling and optimization. The completion of a full feasibility study by end of March will lead to a production decision by mid 1990.








MARCH, 1990

12g3-2(b) : 82-1032
TSE/MSE/VSE : IPM

MOUNT POLLEY COPPER - GOLD DEPOSIT



LEGEND

-  Proposed Pit
-  Overburden Dump
-  Waste Dump
-  Building
-  Road
-  Transmission Line
-  Pipeline

0 200 400 600
METRES