

NAME OF PROPERTY

THEZAR

OBJECT LOCATED - porphyry stock.

UNCERTAINTY IN METRES 100. Lat. 54°44'50" Long. 126°20'10"

Mining Division Omineca District Range 5 Coast

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The oldest rocks on the property are volcanic rocks of the Hazelton Group, including maroon and green andesite tuffs and breccias and porphyritic basalts which contain 0.5 to 1.0-millimetre plagioclase laths. Outcrops of sedimentary rocks were noted just east of the claim group.

A small oval stock-like body of quartz-hornblende-biotite-feldspar porphyry, elongate in a northeast direction and measuring 4,000 by 2,000 feet, is centred around a small lake near the central part of the property. The porphyry is of granodiorite composition and phenocrysts constitute 30 per cent of the rock. Potassic alteration is weak to moderate within the main trench area and consists of secondary K-feldspar adjacent to fractures and secondary biotite alteration of hornblende. To the east of the stock are two northeast-striking porphyry dykes and there the intrusive rocks exhibit features typical of a quartz-sericite-pyrite alteration zone. Plagioclase is almost totally altered to sericite-carbonate, hornblende is altered to a mixture of chlorite and epidote, and biotite is completely

see Card 2

Associated minerals or products of value

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at elevations of 3,100 to 3,400 feet, 9 miles southwest of Topley Landing, Babine Lake.

Amax Exploration, Inc., staked the Thezar 1-132 claims in 1971 following a regional geochemical survey of the area and the discovery of an outcrop of porphyry containing copper mineralization north of Lennac Lake. Work in 1971 included geological mapping, a geochemical soil survey (400 samples), and 2,000 feet of trenching. The company name was changed in 1971 to Amax Potash Limited. During 1972 a program of geological mapping, an induced polarization survey over 23 line-miles, a magnetometer survey over 20.5 line-miles, a geochemical soil survey (470 samples), and 700 feet of trenching was carried out. Work during 1973 included geological mapping, a geochemical soil survey (201 samples), and 11,360 feet of percussion drilling in 44 holes on Thezar 52, 54, 56, 71-77, 79-82.

Change name to Amax Potash Ltd. in 1971

120423

HISTORY OF PRODUCTION

REFERENCES

Geology, Exploration, and Mining; British Columbia Dept. of
Mines: 1971, p. 175; 1972, p. 395 + ; 1973, p. 344.

MAP REFERENCES

#Lennac Lake-Redtop Creek Area, (Geol.), Sc. 1":1 mile,
Fig. 48, Geology, Exploration, and Mining, 1972,
British Columbia Dept. of Mines.

Map 671 A, Houston, (Geol.), Sc. 1":4 miles (1942).

Map 5312 G, Topley, (Aeromag.), Sc. 1":1 mile.

*Map 93 L/9 W, Topley, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR						
Date	12-75						

PRODUCT

COPPER

PROVINCE OR
TERRITORY

British Columbia

N.T.S. AREA 93 L/9

Card 2 -
REF. CU 10

NAME OF PROPERTY

THEZAR

DESCRIPTION OF DEPOSIT (continued)

chloritized. Pyrite is disseminated throughout the rock as well as being intimately associated with altered mafic minerals.

Hazelton Group volcanic rocks have been metamorphosed to biotite hornfels marginal to the porphyry stock and dykes. Inclusions of hornfelsed Hazelton volcanic rocks are numerous within the stock and these rocks also contain significant amounts of magnetite.

Sulphide mineralization is centred about the porphyry stock and occurs over an area of 1.5 by 1 mile. The major copper showings are within the porphyry stock where chalcopyrite, pyrite, magnetite, and minor chalcocite and molybdenite occur in northwest-striking one-sixteenth to one-eighth-inch veinlets with quartz and some K-feldspar. Chalcopyrite mineralization was also noted as films on dry fractures in inclusions of volcanic rocks within the stock and in hornfelsed rocks in a trenched area 1 mile to the east.