| PRODUCI MOLIBUENUM TERRITORY  | N.T.S. AREA 93 M/11 REF. MO 1   |
|---|---|
| NAME OF PROPERTY MOLLY (THOMLINSON MTN.) (RED CANYON)   OBJECT LOCATED - Mineralized zone.   UNCERTAINTY IN METRES 200. Lat. 55°35'20" Long. 127°29'15"   Mining Division Omineca   District   County Township or Parish   Lot Concession or Range   Sec Tp.   R.   OWNER OR OPERATOR AND ADDRESS   Amax Potash Limited.  | (Porphyry Deposits of the Canadian Cordillera, Canadian<br>Institute of Mining and Metallurgy Special Vol. 15, Table 3,<br>p. 422, 1976). |
| DESCRIPTION OF DEPOSIT<br>Massive argillaceous Jurassic and/or Cretaceous sediments of<br>the Hazelton Group have been intruded by a porphyritic granite<br>stock 1,350 metres in diameter. The stock lies about one half<br>mile north of much larger granitic intrusives of Late Cretaceous<br>to Early Tertiary age which underlie the summit and upper slopes<br>of Mount Thomlinson. In most areas in the vicinity of the stock<br>there is a well developed schistosity approximately parallel to<br>the contact over a zone 300 to 500 feet wide. Biotite, muscovit<br>cordierite, andalusite, and apatite have formed in the contact<br>aureole. In many areas the stock is cut by swarms of very<br>narrow aplite dykes which occupy well-defined gractures. The<br>main mineralized zone is in the contact area of the northwest<br>edge of the stock. The mineralized zone measures 900 metres in<br>arc length by 67.5 metres in width and dips westward at 65<br>degrees.<br>Molybdenite, chalcopyrite, and pyrite occur in a stockwork<br>of quartz veinlets. Minor amounts of magnetite and scheelite<br>p.t.o |   |
| Associated minerals or products of value - Copper, tungsten.  | Mineral Development Sector, Department of Energy, Mines and Resources, Otta   |

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ineral Development Sector, Department of Energy, Mines and Resources, Ottaw: 507821

## DESCRIPTION OF DEPOSIT (continued)

occur with the sulphides. In general, 10% or more of the rock is made up of quartz veinlets which are more extensive than the area of sulphide mineralization. The mineralization extends farther into the porphyry than into the sediments, and in many places the amount of mineralization drops off sharply at the contact. Assay results indicate that a considerable amount of the molybdenum is in the oxide form at the surface. There is about one-third of 1 per cent copper in areas of highest grade molybdenite.

## MAP REFERENCES

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Date

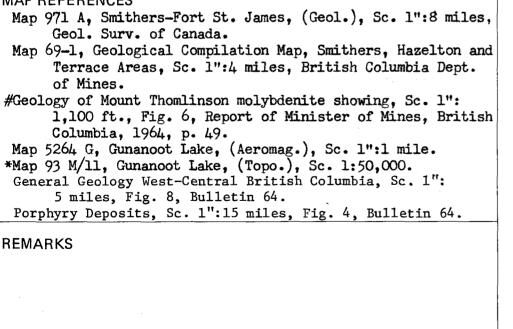
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## REFERENCES

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- Mineral Policy Sector; Corporation Files: "The Buttle Lake Mining Company Limited".
- Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1975, p. E 150.
- Carter, N.C.; Porphyry Copper and Molybdenum deposits, West-Central British Columbia; Bulletin 64, p. 123, B.C. Dept. of Mines, 1981.

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