

PRODUCT SILVER	PROVINCE OR TERRITORY British Columbia	N.T.S. AREA 104 A/4	REF. AG 1
NAME OF PROPERTY GOAT (SURPRISE)		HISTORY OF EXPLORATION AND DEVELOPMENT	
<p>OBJECT LOCATED - upper adit.</p> <p>UNCERTAINTY IN METERS 500. Lat. 56°09' Long. 129°35.5'</p> <p>Mining Division Skeena District Cassiar</p> <p>County Township or Parish</p> <p>Lot Concession or Range</p> <p>Sec Tp. R.</p>		<p>The property is located at elevations of 4,500 to 5,000 feet astride an easterly trending ridge (Goat Ridge) on the second west branch of Surprise Creek about 3 miles north of Bear River Pass and 7 miles west of Meziadin Lake.</p> <p>The showings were staked in 1960 as the Surprise Group (20 claims) on behalf of Newmont Mining Corporation of Canada Limited and The Granby Mining Company Limited. Work by Newmont during the period 1960 to 1962, inclusive, included geological mapping, sampling, and diamond drilling in 6 packsack drill holes.</p> <p>The property was apparently restaked as the Goat Group in 1963. Noradco Mines Limited, incorporated January 1964, optioned the property and expanded it to 80 claims. Work during 1964 included trenching, sampling, and 408 feet of diamond drilling in 3 holes. In 1965 Noradco entered into a share option agreement with Gunnar Mining Limited; exploration and development work was carried out by Gunnar's wholly owned exploration arm Gunnex Limited. During 1965 two adits totalling 233 feet were driven on the F vein and two 36 foot raises were driven from the upper adit to the G vein. The lower adit was extended an additional 150 feet in 1966. Gunnar Mining, under the terms of the agreement, acquired a 51% interest in Noradco Mines. The company name, Gunnar Mining, was changed in 1971 to Bovis Corporation Limited.</p> <p>Under a 1968 agreement with Shield Minerals Corporation, of New York, the Noradco-Shield Joint Venture was formed to continue the exploration of the property. Work during 1968 included the driving of 3 adits totalling 759 feet and 2 raises totalling 127 feet, and 261 feet of underground diamond drilling in 4 holes. Shield Minerals earned a 26% interest in the property.</p> <p>Abitibi Asbestos Mining Company Limited acquired the Shield Minerals interest and in February 1971 incorporated Nordore Mining Co. Ltd. A subsequent agreement with Noradco calls for Nordore to bring the property to production. Work by Nordore during 1974 included rehabilitation of the workings, 398 feet of exploratory crosscutting and drifting and 68 feet of raising on the 4,625 and 4,750</p>	
OWNER OR OPERATOR AND ADDRESS			
<p>DESCRIPTION OF DEPOSIT</p> <p>The country rock in the vicinity of the showings is largely andesitic agglomerates and minor intercalated siltstones of the Hazelton group. The agglomerates are strongly schistose within a 400-foot-wide, steep, northerly trending shear zone. Quartz monzonite dykes occur in, and parallel to, the shear zone in the vicinity of the showings. Mineralization occurs in the "F" vein and the branching subsidiary "G" vein. Other similar but less extensive mineralization occurs in the "D" and "E" veins. The F and G vein system is confined to irregular fractures which cut both country rock and quartz monzonite dykes as well as older structures. The F and G vein mineralization averages about 6 inches wide and consists of crudely laminated sulphides and gangue enclosed in variably altered schistose agglomerates and dykes. The sulphides include coarse-grained sphalerite, disseminated and massive arsenopyrite, pyrite, tetrahedrite, and some galena. The gangue minerals include siderite, quartz, scheelite, some epidote, and minor calcite. One small pod of replacement sulphide mineralization was located in a folded thin siltstone band near the F vein.</p>		<p>see Card 2</p>	
Associated minerals or products of value - Gold, zinc.		Mineral Resources Branch, Department of Energy, Mines and Resources, Ottawa.	
		510210	

HISTORY OF PRODUCTION

Recorded production including crude ore shipped and/or milled for the years 1975, 1979-1981 totals 2 420 tonnes. From this ore 5 475 g gold, 1 794 049 g silver, 153 kg copper, 4 071 kg lead and 52 641 kg zinc were recovered.

REFERENCES

- +Grove, E.W.; Goat (Noradco Mines Limited); Report of Minister of Mines, British Columbia, 1965, pp. 55-57.
- Reports of Minister of Mines, British Columbia; 1960, p. 7; 1964, p. 23; 1966, p. 40; 1968, p. 51.
- Mineral Policy Sector; Corporation Files: "Noradco Mines Limited"; "Nordore Mining Co. Ltd."; "Abitibi Asbestos Mining Company Limited"; "Nor-Quest Resources Ltd."
- Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1974, p. 330; 1975, p. E-179.
- Mining in British Columbia, Vol. 1, 1975-1980, p. 29, BCDM.
- Exploration in British Columbia; BCDM: 1980, p. 454.

MAP REFERENCES

Map 9-1957, Stikine River Area, (Geol.), Sc. 1":4 miles.

*Map 104 A, Bowser Lake, (Topo.), Sc. 1:250,000.

#Plan of ridge-top on the Goat property, Sc. 1":80 ft., Report of Minister of Mines, British Columbia, 1965, p. 56.

Map 104 A/4, Bear River, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By		DMacR	DMacR	DMacR	DMacR		
Date	12-71	10-74	5-76	3-79	11-86		

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PRODUCT

SILVER

PROVINCE OR
TERRITORY British Columbia

N.T.S. AREA 104 A/4

- Card 2 -
REF. AG 1

NAME OF PROPERTY

GOAT (SURPRISE)

HISTORY OF EXPLORATION AND DEVELOPMENT (continued)

levels, and development crosscutting and drifting totalling 68 feet and raising totalling 375 feet on the 3,900, 4,500, and 4,625 levels. Brinco Limited in 1974 increased its shareholdings of Abitibi and also agreed to purchase 300,000 Nordore treasury shares.

Proven, probable, and possible reserves were reported in 1969 at 6,515 tons with an average uncut grade of 0.31 ounce gold and 139.5 ounces silver per ton.

Nordore Silver-Gold Group, a limited partnership of U.S. residents, was organized in 1975 to provide funds for further work, under the management of Nordore. The Remus 1-6 claims, located on Surprise Creek 5 km northwest of the west end of Meziadin Lake and some 9 miles by road from the mine, were acquired by Nordore for a millsite. About 1,800 tons of ore were stockpiled at the millsite. A 50 ton-per-day portable concentrator was put into operation in October 1976 and about 300 tons of ore were milled at that time.

Under a subsequent agreement Nordore Mining Co. Ltd. and Nordore Silver-Gold Group gave the right to operate and manage the property to Nor-Quest Resources Ltd. Reserves were reported in 1979 as 2,980 tons proven at 139.5 ozs silver and 0.31 oz gold per ton. Probable reserves amount to 6,720 tons of the same grade (NM 1/03/79). Work by Nor-Quest in 1980 included 250 m of underground development. Proven and probable reserves were reported as approximately 12,000 tons at about 140 oz/t Ag (Northern Miner 03/04/80). The mill operated for several months in the summer of 1980. Fire destroyed the mill on June 28, 1981 and all work was suspended.

The company name (Abitibi Asbestos) was changed in 1985 to Imco Resources Ltd; the company retained a 26% (and Noradco Mines 74%) interest in the property.