PRODUCT COPPER		PROVINCE OR Brit	ish Columbia	N.T.S. AREA	92 H/10	REF. CU 2		
NAME OF PROPERTY	AXE		HISTORY OF EXPLO	RATION AND DE	EVELOPMENT	bummers		
ORIECTI OCATED - Adit ZONE.			Creek, 12 miles north	n of Princeton.	Copper miner	alization		
OBJECT LOCATED * AUTO 2010			is exposed in natural	L outcrops on t	the Adit zone a	nd on steep		
UNCERTAINTY IN METRES 500.	Lat. 49°37'10"	Long. 120°31'30"	east-facing cliffs or	n the South zor	ne. The impres	sive gossan		
Mining Division Similkameen	District	26.	zone must have been bold 28 metre adit dri	cnown for some Lven on the Adi	time, as indic t zone.	ated by an		
County	Township or Parish		The Axe group of	86 claims was	staked by J.A.	Stinson of		
Lot	Concession or Range		New Westminster in 19 South zone. That sam	967. Trenching ne year Meridia	y was carried o an Exploration	ut on the Syndicate		
Sec Tp.	R.		optioned the property	v and carried o	out geological	mapping,		
			induced potential, ma	agnetometer, el	lectromagnetic,	and geo-		
			2.135 feet of diamond	drilling in S	boles.	ning, and		
OWNER OR OPERATOR AND ADDRESS			Quintana Minerals Corporation, of Houston, Texas, optioned					
Cominco Ltd.			the property from Mr.	. Stinson in 19	68. Work by t	he company		
			included geological m	napping, trench	ning, and drill	ing in 4		
			large-diameter rotary	y holes totalli	ng 3,303 feet.	,		
			Adonis Mines Ltd.	. was incorpore	ional staking	nson and		
			the Bud. Bol. Lox. ar	nd Rum groups t	tonal staring	99 claims.		
			Trenching and 270 met	res of diamond	drilling in 2	holes was		
			carried out.					
			Amax Exploration,	Inc. optioned	l the property	and during		
DESCRIPTION OF DEPOSIT The work done to date has contributed in outlining a large			1969 and 1970 carried out geological mapping, induced					
porphyry system involving an area nearly 3.2 kilometres in			potential and geochemical surveys, trenching, 4,000 feet of					
diameter and containing at least three zones of appreciable but			drilling in 50 holes. During 1971 Amax completed an addi-					
scattered copper and some mo	tional 4,392 feet of diamond drilling in 7 holes. The option							
and grades of the mineralize	was given up in April 1972.							
zation and generally poor recovery obtained in drilling due to			Adonis Mines resumed work on the property and during 1972					
intense faulting and fracturing and in places deep weathering of			and 19/3 completed 22 NW WITELINE NOIES totalling 3,134					
the bedrock.			Though a good deal of effort and money was spent in try-					
The Axe property belongs to a large group of copper showings			ing to outline one or more copper orebodies on this property,					
including several porphyry-type deposits that are found in a			the results were inconclusive and difficult to interpret.					
Nicola Lake. All of these deposits occur within an assemblage of high-energy proximal volcanic and genetically related intru- sive rocks which form a narrow, largely fault-bounded Central			Core recovery in most diamond holes, even in those drilled					
			with the greatest care, has been only fair to poor because of the intensely fractured and locally deeply weathered state of the rocks. Different adjustment factors have been employed					
Copper mineralization occurs in Upper Triassic Nicola volcanic rocks that are cut by a variety of intrusive rocks see Card 2			cussion, and rotary holes, and the figures obtained from					
			these highly variable and often problematic data should only					
Associated minerals or products of value –	Molybdenum.		Mineral De	evelopment Sector, Depa 510660	see Ca artment of Energy, Mines	.rd 2 s and Resources, Ottawa.		

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MAP REFERENCES

REMARKS

Map 888 A, Princeton, (Geol.), Sc. 1":4 miles - accomp. Memoir 243, Geol. Surv. of Canada, 1947.
#Generalized Outcrop Geology of the Summers Creek Prospect, Fig. G-26, Geology, Exploration and Mining, 1975, British Columbia Dept. of Mines.
Map 8531 G, Tulameen, (Aeromag.), Sc. 1":1 mile.
*Map 92 H/10, Tulameen, (Topo.), Sc. 1:50,000.
Geology of the Nicola Group between Merritt and Princeton, Sc. 1:50,000, Fig. 1, Bulletin 69, British Columbia Dept. of Mines, 1979.

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REFERENCES

- Reports of Minister of Mines, British Columbia: 1967, p. 177; 1968, p. 203.
- Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1969, p. 279; 1970, p. 389; 1971, p. 280; 1973, p. 142; 1975, pp. G-54-G-57⁺.

Mineral Policy Sector; Corporation Files: "Global Energy Corporation".

Preto, V.A.; Geology of the Nicola Group between Merritt and Princeton; Bulletin 69, p. 71, British Columbia Dept. of Mines, 1979.

PPER	TERRITORY	DITUISH OOTUMDIA	N.I.S. AREA	92 H/10	REF. CU 2
۸ ۷ ټ		HISTORY OF EXPLORATI	ON AND DEVELO	OPMENT (continue	ed)

DESCRIPTION OF DEPOSIT (continued)

ranging from mafic diorite to syenite and from quartz diorite to felsic quartz porphyry. Structurally the mineralization occurs in an area where two major branches of the northerly trending Summers Creek fault come together, break up into a series of lesser east-west, northeast, and northwest-trending structures, and finally continue southeastward apparently as a single fault of seemingly lesser magnitude.

The oldest rocks within the area of the showings are massive flows and breccias of augite basalt porphyry. Interlayered with these are massive to thinly bedded crystal and lithic tuffs and some volcanic sandstone and siltstone. A few small lenses of massive, locally fossiliferous, impure limestone and limestone breccia are also found interlayered with the volcanic sediments.

In the areas of copper mineralization, and especially on the Adit and Western zones, the Nicola rocks are cut by a complex assemblage of generally fine-grained diorite and monzonite which appear to form small stocks and dyke-like bodies and locally contain small bodies of high-level intrusive breccia. At least two, and probably more, phases of these quartz-poor intrusive rocks exist on the Adit and Western zones, but their number and relationships are difficult to understand because of intense faulting and extensive alteration.

Copper mineralization includes widespread chalcopyrite, accompanied by variable amounts of pyrite, and abundant azurite, malachite, and some chalcocite.

be considered to be a very crude estimate. Indicated reserves were reported by the company in 1973 as follows: South zone - 41 million tons at 0.48% copper. West zone - 6.4 million tons at 0.47% copper. Adit zone - 16 million tons at 0.56% copper. (Northern Miner. Sept. 6, 1973, p. 6).

The company name Adonis Mines was changed in 1977 to Global Energy Corporation. In 1980, the property was optioned by Cominco 11td. and reserves were revised to 100,000,000 tons averaging 0.4% Cu. (Can. Mines Handbook 1982-83, p. 142). The company spent over \$200,000 on exploration prior to the end of 1982 to become the registered owner of the property. Global Energy retained a 6.5% royalty interest from net proceeds of production.