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Suite 408 - 850 West Hastings Street
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December 27, 1977

INTERIM REPORT #77-1
ASPEN GROVE COPPER - MOLYBDENUM PROSPECT
NICOLA MINING DIVISION, B.C.

PRELIMINARY

The copper-molybdenum showings within the present Aspen Grove Claim block were discovered by the Copper Syndicate group of Vancouver and Merritt during the 1950's. Preliminary geological, geochemical and geophysical surveys were made until the fall of 1962. This work was sufficient to maintain the claims in good standing for an additional 5 to 8 years. Having acquired these claims on an option basis, Consolidated Skeena Mines Ltd. immediately extended the block by additional staking.

Between the spring of 1966 and the fall of 1968 Consolidated Skeena Mines Ltd. undertook reconnaissance geological, geophysical and geochemical surveys -- each of which were followed by detailed surveys within the reconnaissance grids --- wherever the results warranted them. Two other claim blocks were also investigated; however, because of the comparatively better results obtained on the Aspen Grove (formerly Tommy Lake) including direct and indirect evidence -- most detailed work was done on it.

PROPERTY

The property is situate at some 8 miles east of Aspen Grove, B.C. Access is by way of some 10 or more miles of main and branch logging roads. The terrain is gently rolling, with low topographic relief. Bedrock is overlain by coarse and fine boulder-clay till with depths ranging, generally, from 0 - 50 ft. This, in turn, is covered with range grass and some residual stands of merchantable timber. Water is relatively plentiful.

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The writer visited the property on December 20 - 21, 1977. This was done in the company of Mr. J.E. White, formerly manager for Consolidated Skeena's 'Tommy Lake' and other exploration ventures within the district. During the visit, the position of the old 'Tommy Lake' survey grid (control) with respect to the new 'Aspen Grove' was outlined by J.E. White. It is also noted that neither of the two major I.P. anomalies, because the necessary financing could not be obtained and in spite of the excellent correlation of magnetic (Fe-Skarn) and I.P. anomalies, were drilled.

GEOLOGY

Host rocks for the regional Cu-Mo mineralization comprise massive, porphyritic, and vesicular flows and tuffs of augitic-to-andesitic composition -- all interbedded with carbonaceous to silty argillites and quartzites. The Cu-Mo mineralization occurs in garnet-magnetite-epidote-chlorite skarn -- in both the fracture-filling and disseminated modes. The bulk of the well mineralized rock tends to lie relatively close to the south-dipping contact of an E-W trending 'ridge' of the Princeton-Pennask granodiorite. In 1961 fans of diamond drill holes delineated a body of chalcopyrite/magnetite mineralization indicated the presence of some 25,000 tons of rock grading between 1.4 - 1.5% copper. It was later found, after subsequent work had been done, that this body was associated with a relatively minor I.P./Mag. anomalies.

In view of the amount of direct and indirect evidence of the presence of significant ore zones, the writer feels that the implementation of the following recommendations is fully warranted.

RECOMMENDATIONS AND ESTIMATED COSTS

<u>STAGE I</u> :	Put down 4000' of 2"-3" diam. 'O.B.' percussion drill hole @ \$3.00 / ft.	\$ 12,000
	Assays: allow for 100 assays @ \$6.00 ea.	600
	Provision for extras and contingencies	<u>1,260</u>
	Sub-total Stage I	\$ 13,860

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<u>STAGE II:</u>	Provision for "fill-in" or "step-out" holes; 1100 ft. @ \$3.00/ft. approx.	\$ 3,300
	Provision for extras and contingencies	<u>330</u>
	Sub-total Stage II	\$ 3,630
<u>STAGE III:</u>	Provision for drilling depth (400' +) delineation (dia. drill) holes	<u>\$ 12,510</u>
	Sub-total Stage III	\$ 12,510
	TOTAL STAGES I, II & III	<u>\$ 30,000</u>

Respectfully submitted,



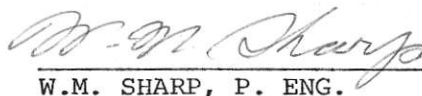
W.M. SHARP, P. ENG.



CERTIFICATE

I, WILLIAM M. SHARP, with business and residential addresses in North Vancouver, British Columbia, DO HEREBY CERTIFY THAT:

1. I am a graduate of The University of British Columbia with a M.A.Sc. degree in Geological Engineering.
2. I am a Registered Professional Engineer in The Province of British Columbia, Reg. No. 2164.
3. I have practiced my profession since 1946, and as a geological consultant since 1964.
4. I have personally examined and sampled most accessible surface and underground showings at the re-staked Aspen Grove at various periods since 1966 -- the most recent visit being for Rockel Mines Ltd. (N.P.L.) on December 21, 1977.
5. This Report is based on my personal examinations, public geological reports and maps, and general and technical data provided by Mr. J.E. White of Merritt, B.C.
6. I have no direct or indirect interest in the property or securities of Rockel Mines Ltd. (N.P.L.), nor do I expect to acquire any such interests.



W.M. SHARP, P. ENG.

North Vancouver, B.C.

December 28th, 1977

