

FILE

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MEMORANDUM

82 M/5

824512

DATE: May 4, 1984
TO: A. J. Davidson
COPIES TO: D. H. Watkins
DE FROM: L. D. Pirie
SUBJECT: SOBS, ADON CLAIMS - PROPERTY EXAMINATION

On April 28th I visited the SOBS claim on East Barriere Lake with prospector Larry Ovington. He holds a 100% interest in those 20 units in addition to a 50% interest in the surrounding ADON claims (approx. 130 units).

The claims are underlain by strongly deformed limestone, sediments and volcanics dipping shallowly north eastward. A large trench (Kajun), estimated to be 20-30 years old, has exposed sphalerite-galena (-pyrite -chalcopyrite) mineralization in limestone and spatially related quartz-carbonate veins. In the early 70's Westmin carried out AEM and soil surveys over the area. More recently Primont Resources carried out limited mapping and sampling, but were unable to make payments and forfeited their option.

I examined the trench area and nearby outcrops. Mineralization mainly occurs in pods and veins in limestone. The limestone is structurally underlain by graphitic argillites and wackes with some thrusting along the contact. Even apparently unmineralized argillite is highly anomalous in base and precious metals (sample #753).

A few tens of metres below the trench (stratigraphically) a cliff reveals mafic volcanoclastics below the sediments and separated from them by a thin rhyolite. Anomalous metal contents are apparent at the rhyolite/wacke interface (#757). Whole rock analyses of the volcanics are awaited.

Some 500m along strike to the north, boulders of mineralized limestone can be found on the lakeshore. Two samples from these were assayed (752, 756).

There is little doubt that the mineralization is the result of hydrothermal activity just as at Rea. The fact that it is in a carbonate rich environment is a variation which we do not have a good handle on at this time.

Structural complications are evident and we haven't done enough work in the area yet to understand stratigraphy. However, the grades and extent of mineralization are good enough to warrant our continued interest.

I recommend that we inform Ovington that we are interested^{ed}, but will be unable to proceed further until later in the year. At that time our knowledge of the geology, particularly of the volcanic-sediment-limestone relationships, should be much greater.

<u>Sample</u>	<u>-- g/tonne --</u>		<u>-- oz/ton --</u>		<u>----- % -----</u>			<u>Description</u>
	<u>Au</u>	<u>Ag</u>	<u>Au</u>	<u>Ag</u>	<u>Cu</u>	<u>Pb</u>	<u>Zn</u>	
0751	0.07	18.0	0.002	0.526	0.06	0.19	12.2	Sp rich qtz-carb vein.
0752	<0.07	152	<0.002	4.4	0.04	12.0	5.3	float off shoreline
0754	0.14	172	0.004	5.0	2.90	6.2	16.5	pod/vein in lst. 0.25m chip
0755	<0.07	260	<0.002	7.6	0.33	13.5	4.2	Pods in lst. 1.7m chip
0756	0.07	61	0.002	1.8	0.02	3.82	6.1	float off shoreline
0758	0.80	48	0.023	1.4	0.22	1.84	7.3	py(-cp) rich rubble from trench

<u>Sample</u>	<u>Au</u>	<u>Ag</u>	<u>Cu</u>	<u>Pb</u>	<u>Zn</u>	<u>As</u>	<u>Ba</u>	<u>Description</u>
	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	
0753	50	5.8	175	1750	15200	140	410	"unmineralized" graphitic arg.
0757	55	1.3	90	270	460	8	80	0.35m chip - rhyolite /wacke contact.

Ian D. Pirie

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