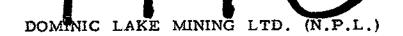


Fieldwork done June 9 - October 3, 1972 Date of Report: December 15, 1972





GEOLOGICAL, GEOPHYSICAL and GEOCHEMICAL REPORT ON GROUPS 1, 2, 3 and 4 LOCATED

SOUTHWEST OF GREENSTONE MOUNTAIN

KAMLOOPS MINING DIVISION

50°35' N Latitude 120°40'W L<u>ongitude</u>

	Department of				
	Mines and Petroleum Resources				
_	ASSESSMENT REPORT				
by	NO. 44110 MAP				

R. Dunsmore, B.Sc. and

R. G. Jury, P. Eng.

Field work done June 9 - October 3, 1972

Date of Report : December 15, 1972



REPORT ON 1972 GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL SURVEYS OF GROUPS 1.2.3 & 4

> DOMINIC - ROPER LAKE KAMLOOPS M.D.

REPORT BY: R.J. DUNSMORE, B.Sc. DATE OF REPORT: DECEMBER 15, 1972 DATE OF FIELDWORK: June 9 - October 3, 1972

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INTRODUCTION

During the summer and fall of 1972, a comprehensive program of geology, geophysics and soil geochemistry was carried out on newly-staked ground to the south and west of the Roper Lake stock on which much work has been done since 1960. A total of 287 man-days were expended on establishing forty-four line-miles of grid on which 877 soil samples were collected and forty-four line-miles of magnetics done.

The objects of the program were three-fold:

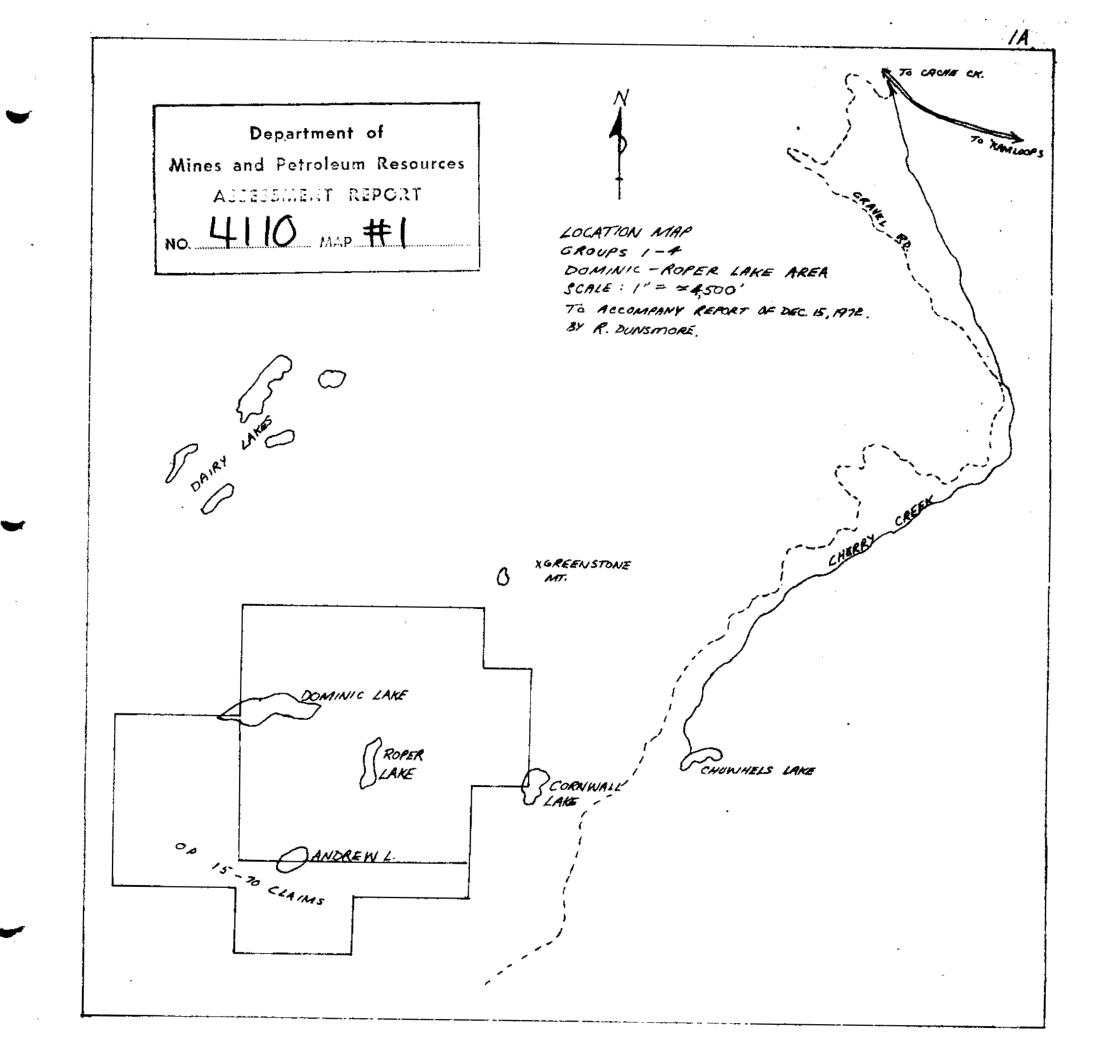
- (1) To determine the existence of more small mineralized stocks similar to the Roper Lake Stock.
- (2) To determine whether in fact mineralization is zoned outwards from the Roper Lake Stock.
- (3) To determine which parts of the property (if any) should be further explored with particular emphasis on the method(s) to be employed to maximize any further search for "porphyry-type" ore bodies.

These objectives were at least partly fulfilled by the 1972 program. In summary, the following conclusions were reached:

(1) No outcropping or near-surface intrusive bodies occur on the search area, with the exception of minor scattered dikes.

(2) Mineralization related to the Roper Lake Stock does appear to exhibit normal zoning. Molybdenum is found mainly in the Roper Lake Stock and in the volcanics near the intrusive contact. Copper mineralization is peripheral to the molybdenum, and occurs almost exclusively in Nicola Group Rocks. Tentatively, zinc soil anomalies tend to occur peripheral to copper-molybdenum anomalies, suggesting, perhaps, that anomalies exhibiting this relationship are less likely to be transported anomalies.

(3) The Roper Lake Stock and surrounding Nicola Group rocks, while mineralized, appear to exhibit no strong tendency for concentration of mineralization; rather,



the metals seem to be diffused to such an extent that discovery of a "porphyry" ore deposit will likely be far more difficult than if there were identifiable mineral controls present.

(4) A limited percussion drilling program is recommended by the writer to test two large copper and copper-molybdenum anomalies. Further work should be decided on the basis of the results obtained from the drilling program.

LOCATION, ACCESS AND TOPOGRAPHY

Groups 1, 2, 3 and 4 are located at 50° 35' N latitude and 120° 40' W longitude. The groups are two to four miles west to south-west of Greenstone Mountain. Access to the claims is by way of a 16 mile gravel road between Cherry Creek on Highway #1 and the Dominic Lake Resort. The road is generally snow-covered from November to April.

Topography on the property is generally rolling, swampy to heavily-wooded, plateau country. Elevations range from 4,900' to 5,400' above sea-level. Drainage appears to be mainly fault-controlled on the south and west, and on the north and east is probably controlled by glacial ridges and depressions which, in turn, are likely structurally controlled. Overall, outcrop exposure is likely less than 5%. Megastructure trends NW to NE.

PROPERTY

The claim groups are comprised of the following claims:

(1) Group One (Grouped December 27, 1972)

Claim Name	Record No.	Expiry Date*	Registered Owner
BRUCE 59	53727	Feb. 16, 1975	Dominc Lake Mining Ltd.(np)
BRUCE 60	53728	11	11
BRUCE 61	53729	11	11
BRUCE 62	53730	0	*1
BRUCE 63	53731	<u>;</u>)	11
BRUCE 64	53732	11	11
BRUCE 69 Frac.	62200	Dec. 28, 1975	n
BRUCE 70 Frac.	62201	Dec. 18, 1976	19
LAI	100641	Nov. 2, 1973	92.

<u>Claim Name</u>	Record No.	Expiry Date*	Page 3. Registered Owner
LA 2	100642	Nov. 2, 1973	Dominic Lake Mining Ltd. (m
LA 3	100643	17	17
LA4	100644	tı	5 5
"G" Frac.	62542	Jan. 10, 1976	Tro-Buttle Explorations Ltd.
SPUR 1	49542	Apr. 20, 1975	Dominic Lake Mining Ltd.(p)
SPUR 2	49543	- 0	61 C
SPUR 3	49544	87	¥1
SPUR 4	49545	Apr. 20, 1976	11
SPUR 5	49546	Apr. 20, 1975	*1
SPUR 6	49547	Apr. 20, 1976	12
"F"Frac.	63819	Apr. 26, 1976	11
OP 1	105418	Feb. 16, 1976	\$2
OP 2	105419	21	27
OP 6	105423	† †	
OP 7	105424	31	£ 5
OP 8	105425	\$1	11
OP 15	105432	Feb. 16, 1974	11
OP 16	105433	U .	15
OP 17	105434	11	11
OP 18	105435	ti -	11
OP 19	105436	LT	11
OP 20	105437	11	†1
OP 27	105444	17	11
OP 28	105445	11	61
OP 29	105446	11	11
OP 30	105447	11	11
OP 31	105448	18	¥2
OP 32	105449	**	91
OP 36	51493	Sep. 7, 1976	81
* Sul		of Certificates of W	ork
(2) Group T	wo (Grouped De	cember 27, 1972)	
BRUCE 65	6219 6	Dec. 28, 1975	17
BRUCE 66	62197	22	38
BRUCE 67 Frac.	62198	Ц	
BRUCE 68 Frac.	62199	51	62
OP 3	105420	Feb. 16, 1975	11
OP 4	105421	11	**
"E"Frac	62541	Jan. 10, 1975	11
SPUR 7	49548	Apr. 20, 1975	11
SPUR 8	49549	Apr. 20, 1976	11
SPUR 9	49550	н	21
SPUR 10	49551	11	39
SPUR 12	49553	31	t f
"H" Frac.	63820	Apr. 26, 1975	89
"I" Frac.	63818	11	

<i></i>			Page 4.
Claim Name	Record No.	Expiry Date	Registered Owner
TC 7	51464	Sep. 7, 1976	Dominic Lake Mining Ltd.(npl)
TC 33	51490	Sep. 7, 1985	11
TC 34	51491	11	11
TC 35	51492	Sep. 7, 1976	22
OP 10	105427	Feb. 16, 1976	34
OP 11	105428	Feb. 16, 1975	\$1
OP 12	105429	Feb. 16, 1976	88
OP 13	105430	Feb. 16, 1974	
OP 14	105431	te	11
"O" Frac.	62550	Jan. 10, 1974	Tro-Buttle Explorations Ltd.
"P" Frac.	62548	Jan. 10, 1975	17
"Q" Frac.	62549	11	22
OP 5	105422	Feb. 16, 1975	Dominic Lake Mining Ltd.(npl)
OP 21	105439	Feb. 16, 1974	11
OP 22	105440	11	11
OP 23	105441	† 1	11
OP 24	105442	r t	11
OP 25	105443	11	11
OP 26	105444	11	11
OP 33	105450	† 1	17
OP 34	105451	ŧ1	11
OP 35	105452	ŧt	* 5
OP 36	105453	41	*1
OP 37	105454	ŧŧ	24
OP 38	105455	14	+1
OP 62	105455	\$T	17
	103111		
(3) Group	Three (Grouped D	ecember 27, 1972)	
J.C. 1	74106	Nov. 5, 1973	**
J.C. 2	74107	11	11
J.C. 3	74108	IT	tr
J.C. 4	74109	17	17
J.C. 5	74110	11	11
J.C. 6	74111	11	T#
J.C. 7	74112	11	71
J.C. 8	74113	ti	18
T.C. 8	51465	Sep. 7, 1976	+1 .
T.C. 9	51466	Sep. 7, 1983	u
T.C. 10	51467	n nebr (1 1902	11
T.C. 11	51468	11	11
T.C. 12	51469	11	ат.
T.C. 13	51470	11	11
T.C. 14	51471	H	11
T.C. 25	51482		4 T
T.C. 26	51483	Sep. 7, 1975	
1.0. 00	21203		

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			Page 5.
Claim Name	Record No.	Expiry Date	Registered Owner
T.C. 27	51484	Sep. 7, 1976	Domine Lake Mining Ltd .(npl)
T.C. 28	51485	- It	н С (т.)
T.C. 29	51486	Sep. 7, 1985	*1
T.C. 30	51487	D D	11
T.C. 31	51488	71	19
T.C. 32	51489	4.1	11
"L" Frac.	62 54 7	Jan. 10, 1988	Tro-Buttle Explorations Ltd.
OP 9	105426	Feb. 16, 1977	Dominic Lake Mining Ltd.(mpl)
OP 39	105456	Feb. 16, 1975	11
OP 40	105457	Feb. 16, 1977	11
OP 41	105458	71	11
OP 42	105459	11	n (
OP 43	105460	11	f#
OP 44	105461	11	11
OP 45	105462	11	11
OP 46	105463	11	11
OP 55	105464	l t	91
OP 56	105465	11	н
OP 57	105466	11	¥ T
OP 58	105467	ti	ts
OP 59	105468		11
OP 60	105469	*1	tτ
OP 61	105470	Feb. 16, 1975	17
T.C. 15	51472	Sep. 7, 1985	11
T.C. 16	51473	11	11
OP 63	105472	Feb. 16, 1976	**
OP 64	105473	53	11
OP 65	105474	**	11
OP 66	105475	17	81
OP 67	105476	5 8	11
OP 68	105477	11	11
OP 69	105478	15	ðr
OP 70	105479	\$ B	71
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GENERAL GEOLOGY

The distribution of small stocks in the area around Greenstone Mountain and the airborne magnetic data strongly suggests that the property as a whole overlies a major doming structure. In effect, the Nicola Group rocks may be viewed as a relatively thin crust of rock overlying a largely buried intrusive mass. This is a particularly favourable exploration situation as it suggests a very large contact area. Also favourable is the possibility that the intrusive is zoned or consists of

multiple intrusions. The presence of intrusive breccia (minor amounts in core dumped at Roper Lake) suggests a late-stage gasseous phase at least in that part of the intrusion.

To date, little mineralization has been discovered far from the intrusive-volcanic contact. There is no evidence from the present survey that the intrusive complex is near-surface anywhere but in the area previously discovered. A few "quartzeye porphyry" dikes were found south of the main intrusive areas, but these are considered by the present writer to be insignificant re exploration potential.

NICOLA VOLCANICS

The Nicola Group rocks are essentially andesite and basalt flows with minor breccias, agglomerates and sediments. Typically, coarser fragmental rocks (breccias and pillowed lavas) are quite distinctly epidotized; at least partly due to ducteric alteration. These rocks have become highly altered (baked, epidotized and pyritized) within a few thousand feet of the intrusive contact. The absence of strongly epidoized rocks on the south and west portions of the property is probably the best indication that these areas were not intruded. The volcanics have undergone a later (?) restricted, carbonate (ankeritic) alteration which appears to be closely associated with major N, WNW and ENE faulting. Minor amounts of pyrite, arsenopyrite and manganese accompany this alteration.

INTRUSIVES

The intrusive complex is roughtly oval in shape with its slightly longer axis trending NNW. This trend is probably the control for some of the mineralization found along the axis from Dairy Lakes to Roper Lake. Mineralization appears to be more or less restricted to the more acid phases (granite, "quartz-eye porphyry"). There appears to be a marked tendency for mineralization to occur nearer the volcanic contact, although there are numerous showings near the middle of the long axis. The apparently normal metal zoning outward from the Roper Lake intrusive ($Mo \rightarrow Cu \rightarrow Cu, Zn$) indicates that this particular phase of intrusive activity was probably quite distinct temporally from the complex as a whole. For more complete to protect our clients, the public and ourselves, all reports are submitted as the confidential property of clients and other protect our clients. The public and ourselves, all reports are submitted as the confidential property of clients and the protect our clients. The public and ourselves, all reports are submitted as the confidential property of clients and the protect our clients. The public and ourselves, all reports are provided as the confidential property of clients and the protect our clients. The public and ourselves, all reports are submitted as the confidential property of clients and the protect our clients. The public and ourselves, all reports are provided as the confidential property of clients and the property of clients. The public and ourselves are a property of clients and ourselves are tracted as the confidential property of clients and the property of statements. conclusions and extracts from our property of clients and public as the confidential property of clients and public and public and public and public and public and public as the confidential public our public our public and public

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descriptions of the intrusives see reference (3).

GEOCHEMICAL SURVEYS

A soil-sampling program was undertaken to help elucidate the distribution of metals in the area under investigation. A grid-spacing of 200' x 400' was deemed the most economical. The grid was tied to previous work by extending the old baseline. Lines were turned off by Brunton compass and chained and flagged. Where underbrush was particularly thick, and on the baseline and sub-baseline, the lines were cut out. Soil samples were taken by mattock and shovel from the'B'' horizon (which generally was the iron-concentrating horizon) with particular emphasis on obtaining good samples. This resulted in numerous stations not being sampled due to inadequate (usually swampy) soil environment. A number of samples, nevertheless, were found to contain appreciable organic material. These samples have been indicated on the maps.

Soils were sent to Fraser Labs in North Vancouver for analysis. These samples were analyzed by AA spectro-photometer using hot acid (perchloric-nitric acid maxture) digestion of a 1 gram sample.

COPPER GEOCHEMISTRY

The distribution curve for copper is positively skewed, probably indicating a bimodal population. The distribution is based on a larger number of samples than either Mo or Zn because about one-half of the results from the old grid were taken into account. The old Mo results were not considered in the Mo distribution because of the detection limits of the colorimetric method. In the case of zinc, no analyses for the metal were done on the old samples. The copper analyses were divided on the basis of known or projected geology. Copper background in the Nicola volcanics was found to be 0 - 90 ppm as opposed to 0 - 150 ppm in the Roper Lake intrusive.

Anomalies tend to exhibit a strong linear tendency on the property. In the central and northern areas this linearity is likely due in part to the linearity of the glacial features. In the south and west, where overburden cover is less extensive, the

linear nature of anomalies tends to conform to structural trends.

Only one copper anomaly found by the present survey is considered by the writer to have any immediate significance. The anomaly is of considerable size (4,800'+N-S) and open on the south, by 400 - 2000' wide) and lies immediately west of the 0400 baseline. It partly overlaps a swampy environment but mainly lies on a 5[°] easterly slope. Only one outcrop occurs on or near the anomaly and it consists of weakly to strongly epidotized and sheared Nicola volcanics cut by a 10' wide "quartz-eye porphyry" dike carrying minor pyrite and vein quartz. Pods and disseminations of magnetite occur in the volcanics near the dike. Angular fragments of Nicola (?) volcanics found in overburden over the anomaly occasionally carry fracture-filling pyrite-chalcopyrite and disseminated pyrite. The anomaly appears to be a continuation of an anomaly found on the old grid. The linear nature of the anomaly (a combination of NW, N and NNE trends), the local normal metal zoning (zinc is anomalous immediately west of the Cu anomaly), and the apparent nonconformity to marshy environments, indicate to the writer that the anomaly has not been transported.

Numerous other small copper anomalies were discovered, but are not thought to be significant at this time.

MOLYBDENUM GEOCHEMISTRY

Only one anomaly is considered of significance. It overlies the above-mentioned copper anomaly except on the north end of the grid where the Mo anomaly broadens considerably. A number of other Mo anomalies are discounted due to small size. Mo anomalies appear to be much more restricted than copper anomalies, occurring mainly in a narrow belt running roughly N-S from Roper Lake, and around the north end of Roper Lake. This distribution of Mo anomalies may suggest the presence of a major N-S structural break roughly paralleling the long axis of Roper Lake.

Due to limitations inherent in the analyses from the old grid (colorimetric method as opposed to AA spectro-photometer), the old samples were not included in the Mo

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ALRAE ENGINEERING LTD. VANCOUVER. B.C. ENGINEERS & GEOLOGISTS frequency distribution. The distribution curve for Mo exhibits the same bimodal tendency as the copper distribution.

ZINC GEOCHEMISTRY

Zinc analyses were undertaken to ascertain the validity of the metal or mineralzoning concept for the property. Because only a small area has been analyzed for zinc, only tentative conclusions can be reached at this time. One major conclusion reached by the present writer is that zinc appears to be zoned peripherally to Cu-Mo on a local basis. This would seem to indicate a handy, cheap method of determining the spuriousness of Cu-Mo anomalies. In other words, a Cu-Mo anomaly not having a peripheral zinc enhancement would be more likely due to drainage and/or transported overburden than one exhibiting local Mo-Cu-Zn zoning. The major Cu-Mo anomaly found during the past season does exhibit this local zoning and is, therefore, thoughtby the writer to be of possible significance.

On a larger scale, the westernmost part of the property does contain a large number of zinc soil anomalies, whereas the eastern part of the property does not; perhaps indicating the major direction of flow of mineralizing solutions, or perhaps a steeper intrusive contact on the SE end of the Roper Lake stock.

Overall, the area investigated during 1972 contains a large number of zinc anomalies; a fair number of copper anomalies; and only a few moly anomalies - a situation one might expect to find when sampling the fringe of a normally-zoned intrusive. As no significant zinc mineralization has been seen in the area, it is probably safe to concentrate the search for metallic deposits (Cu-Mo) to the area within the zinc anomalies.

GEOPHYSICAL SURVEY

MAGNETICS

A ground magnetic survey was conducted on the same grid as geochemistry, but cutting the spacing to $100^{\circ} \times 400^{\circ}$. An attempt was made to correlate results on the old and new grids, but only a rough correlation seems possible. It is uncertain at

Page 10.

this time why this is so. No significant conclusions about correlation of geology and magnetics have been reached due to the very limited nature of the outcrops. Tentatively, a correlation between the amount of overburden and the magnetics may be valid.

COSTS

Costs incurred in the 1972 exploration program were as follows:

Personnel and Job	Dates	Days	Gross Salary Per Diem	Total
R.G.Jury, P.Eng. Supervision	June 8, 9 July 11,12 Aug. 6, 8 Sep. 9-12,23 Oct. 1-3	3	\$108.35	\$ 150.00 150.00 300.00 500.00 325.05
F.J.L. Guardia, P.Eng. Supervision	June 2,9,13 Aug. 51 Sep. 1	3 1 4 4	\$ 83.35	\$1,425.05 \$250.05 83.35 <u>41.67</u> \$375.07
R. Dunsmore, B.Sc. Geology	June 9 July 6 Aug. 11,14-29 Sep. 3-14,20-2 Oct. 1 - 3	$ \frac{1}{\frac{1}{2}} 17 316 \frac{3}{37\frac{1}{2}} $	\$ 57.20	\$ 57.20 28.60 972.40 943.80 <u>171.60</u> \$2,17 3. 60
J. Randa Magnetics	Aug. 22-31	10	\$ 47.05	\$ 470.50
L. Phillips Magnetics	July 6,22-28 Aug. 4-31 Sep. 1-30	8 28 <u>30</u> 66	\$ 41.41	\$ 331.28 1,159.48 <u>1,242.30</u> \$2,7 3 3.06
A. Pollmer, B.Sc. Line Cutting & Geochemistry	July 22 - 3 July 26,30 Aug. 2-31 Sep. 3-14, " 19-23	4 30 <u>17</u> 51	\$ 45.27	\$ 181.08 1,358.10 <u>769.59</u> \$2,308.77

Page 11.

	Gross Salary	
	•	
Days	Per Diem	Total
28 23	\$36.61	\$ 842.03
	•	1,134.91
54		\$ 1,976.94
	\$29.58	\$ 650.76
-29 <u>26</u>		769.08
48		\$1,419.84
-24 3	\$47.05	\$ 141.15
16 10	\$27.41	\$ 274.10
	\$1,425.05	
	- •	
	470.50	
	2,733.06	
	2,308.77	
	1,976.94	
	1,419.84	
	141.15	
	274.10	\$13,298.08
July	881,00	
August	1,972.00	
September	1,472.00	4,325.00
June	106.29	
July	436.20	
August	936.48	
September	798.31	
October	208.02	2,485.30
		1,929.40
	Grand Total:	\$22,037.78
	28 23 -31 <u>31</u> 54 - 16 -31 22 -29 <u>26</u> 48 -24 3 16 10 July August September June July August	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$

CONCLUSIONS

- Only one area can be ruled out as being of little or no potential for the immediate future. That area is west of the 82 +00W sub-baseline.
- (2) At least local metal or mineral zoning exists around the Roper Lake Stock. This concept should be valuable in determining future areas of exploration interest.
- (3) Two areas appear to merit further advanced exploration work.
- (4) No new near-surface mineralized stocks similar to the Roper Lake stock have been discovered.

RECOMMENDATIONS

(1) Two anomalies should be drilled. First priority should be given the Cu-Mo anomaly found during 1972. At least five 200' - 300' percussion holes should be put down over the considerable area of this anomaly. Consideration should be given to extending work (soils, geology) to the south to close the anomaly. Second priority should be given to a large copper anomaly extending from the south side of Dominic Lake to about L 44 S, 20W. An additional five holes should be drilled to test the anomaly. Access to drill sites would entail the cutting of about 12,000 ft. of new road. Should important mineralization be cut in any hole, step-outs should be drilled on a 400' x 400' grid before continuation of the drilling program.

(2) Should drilling fail to elucidate potentially well-mineralized areas, consideration should be given to reducing the size of the claim block so as to contain only the mineralized areas known to date.

(3) Should time and budget allow, a prospecting program should be carried out on the BRUCE and LA claims with the emphasis being on locating mineralized areas large enough to indicate "porphyry" possibilities.

(4) Road-building and drilling should commence about the last two weeks in July to take advantage of the generally quite dry climate at that time of year.

(5) Costs of the above programs should not exceed \$18,000.00 broken down as follows:

(1)	Road building (2.5 miles)	\$ 2,000	
(2)	Drilling (3,000 ft. @ \$3/ft.)	9,000	
(3)	Assaying (10' sections @ \$5/ea.)	1,500	
(4)	Geological direction & supervision	2,000	\$14,500
	Plus contingencies		3,500

TOTAL \$18,000

Respectfully submitted,

R. Dunsmore, B.Sc.

Endorsed by:

Jury /P.

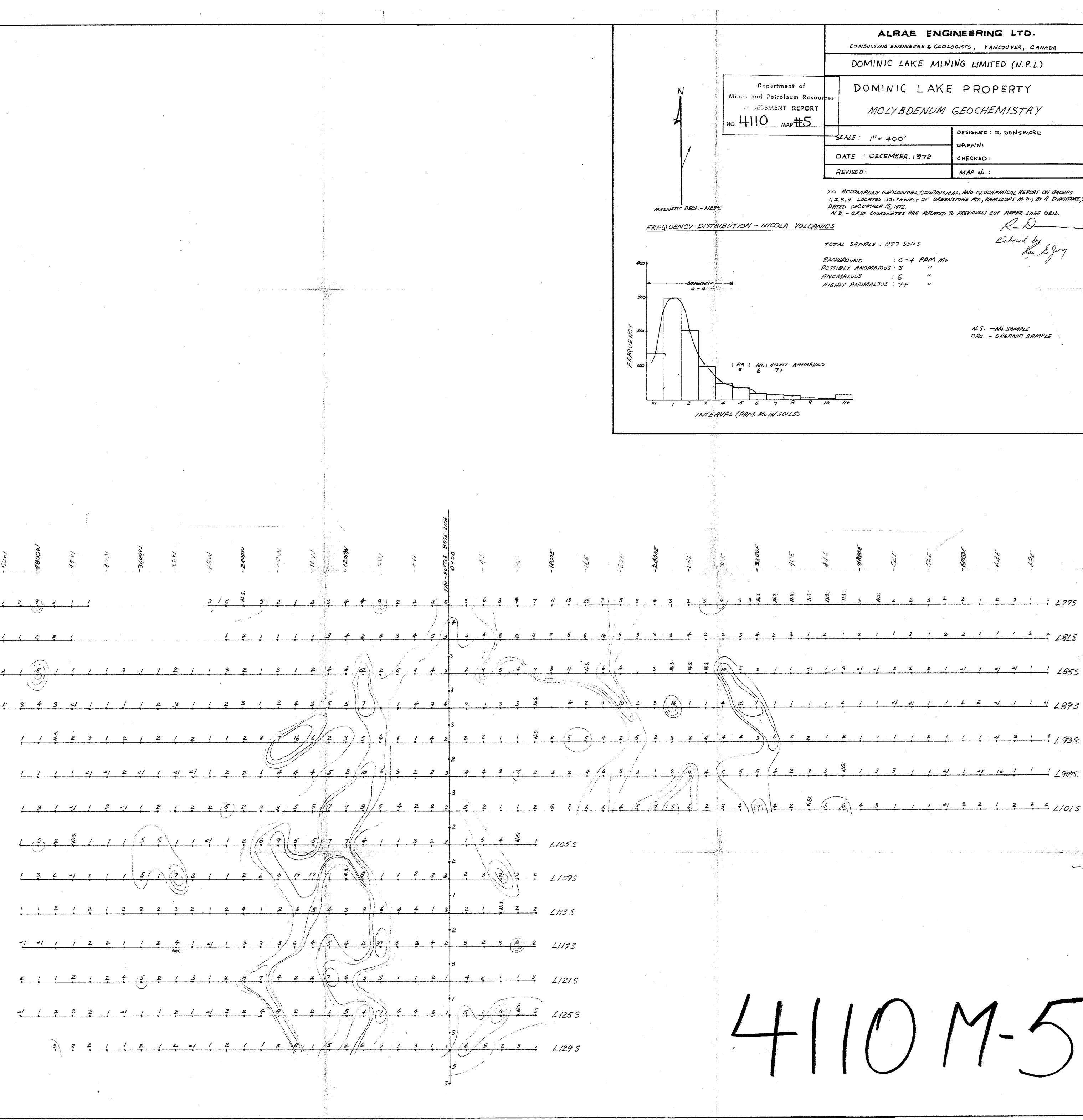
R.G.

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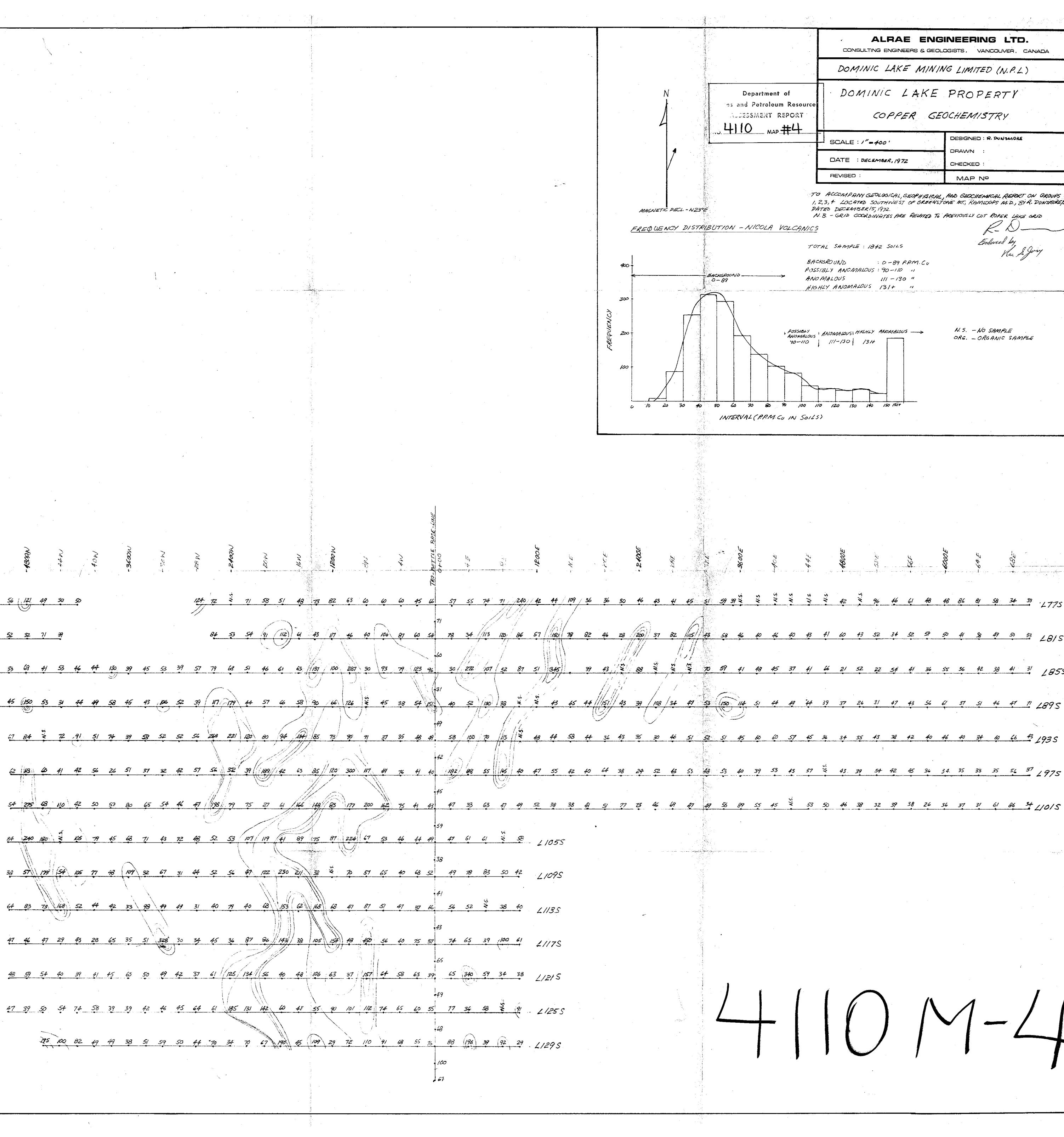


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ALRAE ENGINEERING LTD. CONSULTING ENGINEERS & GEOLOGISTS, YANCOUVER, CANADA DOMINIC LAKE MINING LIMITED (N.P.L.) DOMINIC LAKE PROPERTY Department of Mines and Petroleum Resources A JEOSMENT REPORT MOLYBDENUM GEOCHEMISTRY NO 4110 MAP#5 DESIGNED : R. DUNSMORE -SCALE: 1"= 400' DRAWN: DATE : DECEMBER. 1972 CHECKED MAP No. : REVISED : TO ACCOMPANY GEOLOGICAL, GEOPHYSICAL, AND GEOCHEMICAL REPORT ON GROUPS 1, 2, 3, 4 LOCATED SOUTHWEST OF GREENSTONE MT. KAMLDOPS M.D.; BY R. DUNSMORE, B.S. DATED DECEMIBER 15, 1972. N.B. - GRID COORDINATES ARE AFLATED TO PREVIOUSLY CUT ROPER LAISE GRID. MAGNETIC DECL. - N23% K-D-FREQUENCY DISTRIBUTION - NICOLA VOLCANICS Endorsed by Kan & Jury TOTAL SAMPLE : 877 SO/LS :0-4 PPM Mo BACKEROUND POSSIBLY ANOMALOUS : 5 ANOMALOUS HIGHLY ANOMALOUS : 7+ . **. . . 4** N.S. -NO SAMPLE ORG. - ORGANIC SAMPLE FALAN. HIGHLY ANOMALOUS 5 6 7+ <1 1 2 3 4 5 6 7 8 9 10 II+ INTERVAL (PRM. MO IN SOILS)

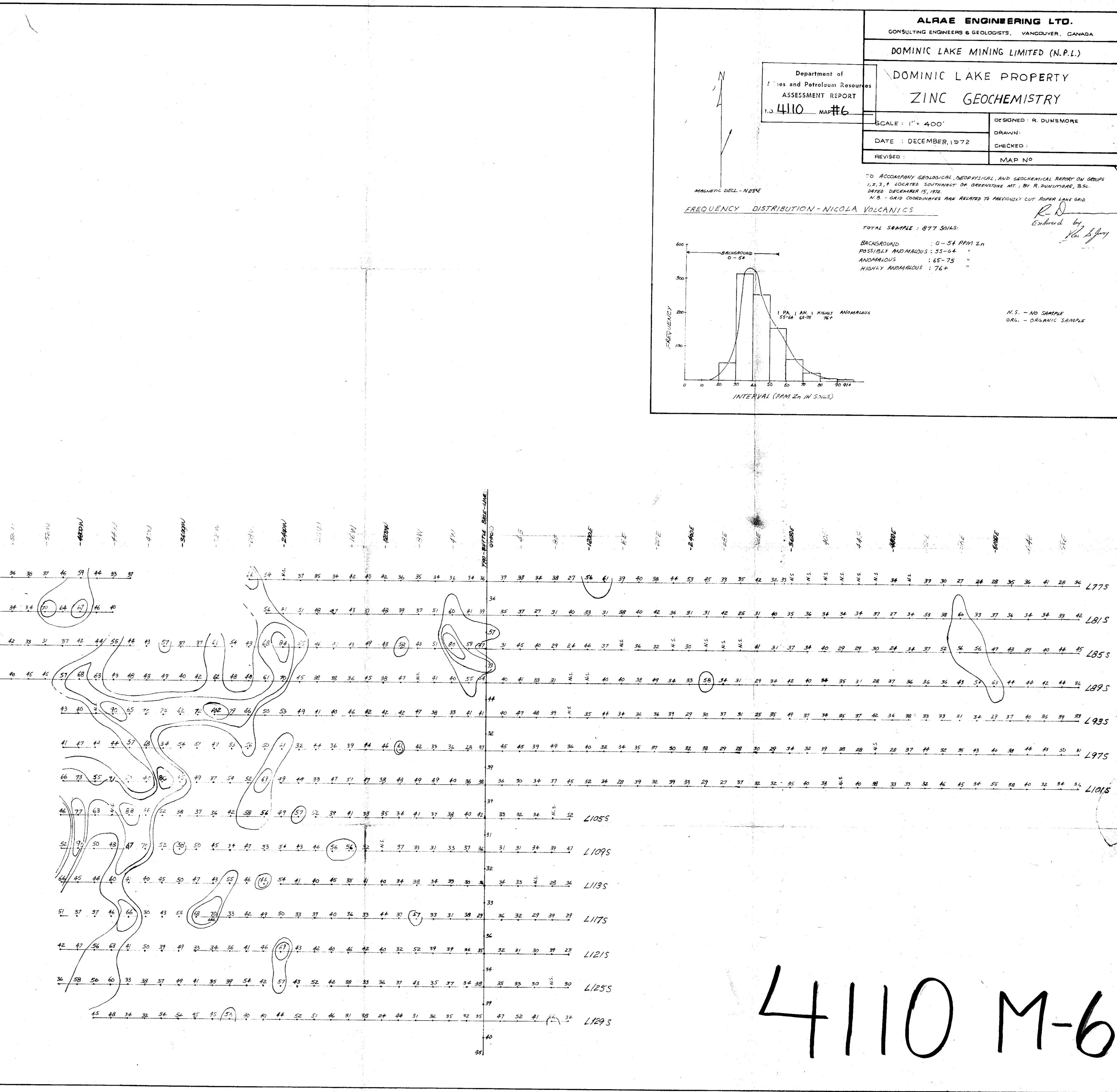
32 30 51 93 112 144 36 40 63 65 51 53 49 69 × 102 54 62 60 73 89 1175 40 78 39 30 157 46 87 23 2 2 79 38 81 59 87 46 39 42 84 55 2 140 48 36 58 51 124 1215 29 59 40 49 140 40 45 197. 54 54 47 76 2 44 30 43 63 2 45 103 77 46 84 49 62 54 1255 67 33 54 38 36 36 37 82 59 50 30 57 2 69 45 34 73 39 60 52 77 48 42 36 47 31 44 1295 40 22 29 52 \$ 42 41 30 47 \$ \$ 57 \$ \$ 44 49 31 47 42 52 64 37 40 42 56 54 91 4335 32 2 2 30 45 89 94 61 2 29 28 30 31 82 65 71 /124 85 (122) 53 57 150 68 64 39 78 1375 61 53 32 29 30 39 33 48 41 38 2 29 32 52 2 44 170 / 73 72 49 52 83 162 131 46 43 55 1 1532 34 33 81 38 26 45 2 36 40 2 2 23 67 68 65 43 63 52 45 80 73 42 57 72 73 52 1458 2 2 99 48 43 33 32 54 82 50 2 26 39 62 227 49 45 83 36 28 89 103 65 58 2 85 1495 × 43 46 45 43 25 30 51 73 100 76 54 54 54 78 78 101 56 65 36 100 51 33 64 77 63 1535 30 99 39 39 49 28 51 60 27 31 188 122 75 51 34 2 56 84 140 79 (110 101 113 139 85 132 54 1575 23 100 32 31 85 31 29 30 39 95 62 59 34 105 2 2 67 180 138 179 83 71 100 93 84 47 93 1615 132 48 40 30 24 52 34 25 51 45 49 54 54 100 103 89 73 54 38 40 43 33 1655 33 32 (117 96 27 28 282 25 51 71 33 76 80 97 46 32 41 22 68 67 60 52 (310 56 43 160 83 169 522 26 27 56 46 54 26 45 61 19 19 34 53 39 79 42 86 39 48 78 101 34 68 117 93 149 13 173 32 25 38 54 40 29 47 23 47 63 40 41 67 47 35 94 87 42 22 27 61 40 53 116 118 138 138 139 135 90 51 41 56 121 49 30 50 149 2 32 64 65 94 93 61 36 34 28 36 46 95 32 29 125 31 112 375 248 26 39 78 102 144 138 100 73 72 62 45 52 32 71 39 53 82 66 26 27 /120 /29 34 37 64 55 68 38 76 34 50 37 76 64 57 96 70 38 36 31 53 69 41 53 46 44 130 39 45 53 39 57 79 68 51 46 61 63 1/137 100 287 30 93 79 (123 96 30 / 287 30 / 28 24 39 23 63 28 41 115 83 89 63 87 92 45 150 53 31 44 49 58 45 43 106 52 39 117 179 44 57 66 58 90 66 126 2 45 38 24 49 58 45 45 11 189 2 45 130 38 2 2 43 45 44 11 189 2 45 130 38 2 2 43 45 45 11 189 2 45 130 38 2 2 130 38 2 2 45 130 38 2 2 130 38 2 2 45 130 38 2 2 130 38 2 2 45 130 38 2 2 130 38 2 2 45 130 38 2 2 130 38 2 2 45 130 38 2 2 130 38 2 2 45 130 38 2 2 130 38 2 2 45 130 38 2 2 130 38 2 130 38 16 20 16 34 21 40 21,



ALRAE ENGINEERING LTD. CONSULTING ENGINEERS & GEOLOGISTS, VANCOUVER, CANADA DOMINIC LAKE MINING LIMITED (N.P.L.) DOMINIC LAKE PROPERTY Department of as and Petroleum Resource COPPER GEOCHEMISTRY ALDESSMENT REPORT 4110 MAP #4 DESIGNED : R. PUNSMORE SCALE : /"= 400' DRAWN DATE : DECEMBER, 1972 CHECKED REVISED MAP Nº TO ACCOMPANY GEOLOGICAL, GEOPHISICAL, AND GEOCHEMACAL REPORT ON GROUPS 1, 2,3,4 LOCATED SOUTHWEST OF GREENSTONE MT., KAMUDOPS M.D., BY R. DUNSMOREBS PATED DECEMBER 15, 1972. MAGNETIC PECL - N23°E N.B. - GRID GOORDINATES ARE RELATED TO PREVIOUSLY OUT ROPER LAKE GRID FREQUENCY DISTRIBUTION - NICOLA VOLCANIC TOTAL SAMPLE : 1842 SOILS Har & Jony BACKGROUND : 0-89 P.P.M.C. POSSIBLY ANOMALOUS : 90-110 , BACKGROUND _____ ANOMALOUS 111-130 ' 0-89 HIGHLY ANOMALOUS 131+ N.S. - NO SAMPLE ANOMALOUS ANOMALOUS HIGHLY ANOMALOUS ORG. _ ORGANIC SAMPLE 40-110 111-130 1314 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 151+ INTERVAL (P.P.M.C. IN SOILS)

이는 것이 같아요. 이상 것이 있는 것이 같아요. 이상 같이 있는 것이 같이 같이 같이 같이 같이 있는 것이 같이 있는 것이 같이 있는 것이 같이 있는 것이 있는 것이 같이 있는 것이 있는 것 ALRAE ENGINEERING LTD. CONSULTING ENGINEERS & GEOLOGISTS, VANCOUVER, CANADA DOMINIC LAKE MINING LIMITED (N.P.L.) DOMINIC LAKE PROPERTY Department of tines and Petroleum Resources ASSESSMENT REPOR MAGNETICS PLAN NO 4110 MAP#3 LZIS DESIGNED : R. DUNSMORE -SCALE : 1" = 400' DRAWN: DATE : DECEMBER, 1972 1255 CHECKEP REVISED : MAP No. TO ACCOMPANY GEOLOGICAL, GEOPHYSICAL, AND GEOCHEMICAL REPORT ON GROUPS 1295 1,2,3,4, LOCATED SOUTHWEST OF GREENSTONE MT., KAMLOOPS M.D.; BY R. DUNSMORE, B.S. ; DATED DECEMBER 15, 1972. MAGNETIC DECL - NE3ºE N.B. - GRID COORDINATES ARE RELATED TO PREVIOUSLY CUT ROPER LAKE GRID 6333 Endorsed by Nee & Jury INSTRUMENT : SHARPE MF1 1375 OPERATORS : L. PHILLIPS, J. RANDA. 2 2 2 2 2 2 2 2 2 CONTOUR INTERVAL : 400 8 , NOTE : & READINGS RELATED TO LTTS, 0+00 READING OF 5008 1415 L455 1495 2 8 2/0/2 1535 161S - 2000 - 200 - 200 - 200 - 200 M 1. m. 1655 173S 1775 1815 L855 and a second L895 1935 1975 61015 8/222/8/22282828282828282828282828 18/3 1175 L1215 61255 2 2 12 F. L1295

39 60, 49 55, 47 39 43 87 63 2 43 47 46 43 49 51 4175 44 57 42 34 36 2 43 39 54 64 53 57 56 61 46 49 3/66 61 55 54 70 19 12/S 53 37 45 43 50 / 59 = 42 38 44 52 = / 59 56 52 42 55 56 59 / 25543 48 45 45 45 41 44 53 2 38 2 45 43 37 93 45 50 58 45 43 47 53 49 5133543 ₹ 55 63 41 36 ₹ 52 33 34 40 (58 61 55 58 61 66) 45 45 (55) 45 59 54 /64 1375 52/57/72 55/51 54 46 43 34 40 2 49 49 49 2 49 57/63/49 43 59 47 50/66/57 58/65/64/558 68 (76) 73 59 55 55 × 50 37 × × 38 (55) 53 11 (60 48 52 52 48 46 54/32 69 68 65 L455 $\frac{1}{2}$ $\frac{1}{73}$ $\frac{59}{57}$ $\frac{48}{57}$ $\frac{41}{48}$ $\frac{48}{57}$ $\frac{57}{52}$ $\frac{52}{2}$ $\frac{35}{5}$ $\frac{51}{57}$ $\frac{35}{62}$ $\frac{54}{57}$ $\frac{11}{152}$ $\frac{152}{92}$ $\frac{92}{2}$ $\frac{89}{2}$ $\frac{2}{83}$ $\frac{199}{19}$ $\frac{53}{57}$ $\frac{56}{54}$ $\frac{11}{11}$ $\frac{152}{152}$ $\frac{92}{12}$ $\frac{89}{2}$ $\frac{2}{83}$ $\frac{199}{19}$ $\frac{199}{53}$ $\frac{1}{2}$ $\frac{74}{63}$ $\frac{63}{73}$ $\frac{65}{63}$ $\frac{42}{42}$ $\frac{48}{48}$ $\frac{52}{52}$ $\frac{7}{71}$ $\frac{71}{53}$ $\frac{76}{58}$ $\frac{58}{2}$ $\frac{2}{2}$ $\frac{7}{28}$ $\frac{25}{0.86}$ 40 29 25 35 57 50 57 80 74 63 4535 63 63 65 56 63 42 41 42 45 41 54 36 52 62 46 2 37 43 41 35 35 45 44 52 58 74 100 575 52 63 61 (40) 86 66 37 63 62 (72 77) 61 38 51 2 35 37 38 43 41 46 51 36 51 83 1615 $\frac{35}{655} 41 43 51 59 79 59 48 50 47 100 38 37 46 60 50 37 27 34 31 36 49 47 47 183 39 49 4655$ 42 39 43 37 38 58 80 35 48 48 37 63 62 52 50 37 46 45 36 41 53 43 (70 61 36 43 36 4695 43 46 51 4 44 52 52 43 47 33 45 50 53 55 61 35 37 62 50 36 34 29 48 47 45 47 45 47 45 47 35 4735 54 + 1 + 2 = 51 + 37 + 2 + 2 + 1 + 5 + 9 + 66 + 46 + 52 + 50 + 60 + 32 + 46 + 42 + 35 + 53 + 2 + 51 + 52 + 53 + 1 + 1 + 7 + 36 + 36 + 59 + 44 + 33 + 37 $\frac{47}{2} \xrightarrow{2} 49 = 46 (7) 48 40 49 39 40 49 56 51 (79 73 44 40 (57 (66 67) 39 32 38 39 50 45 40 35 34 34 (70) 64 (67) 46 40 (10) 46 40 (10) 46 40 (10) 46 (1$ 29 30 30 34 31 42 25 42 44 46 42 41 37 / 86 2 43 42 54 (87, 57, 33 39 51 40 45 38 45 46 40 45 45 (51) 68 (63) 43 48 43 49 40 42) 62 (48 48) 61) 70/ 45 38 47 34 33 (58) 34 31 29 34 42 40 34 35 31 28 37 36 36 36 43 51 63 44 44 42 44 36 (189 5) 51 37 37 46



ALAAE ENGINEERING LTD. CONSULTING ENGINEERS & GEOLOGISTS, VANCOUVER, GANADA DOMINIC LAKE MINING LIMITED (N.P.L.) DOMINIC LAKE PROPERTY Department of ines and Petroleum Resources ASSESSMENT REPORT ZINC GEOCHEMISTRY <u>з 4110 мар#6</u> DESIGNED : R. DUNSMORE 5CALE : 1" = 400" DRAWN DATE : DECEMBER, 1972 CHECKED REVISED MAP Nº TO ACCOMPANY GEOLOGICAL GEOPHYSICAL, AND GEOCHEMICAL REPORT ON GROUP 1,2,3,4 LOCATED SOUTHWEST OF GREENSTONE MT.; BY R. DUNSMORE, B.Sc. DATED DECEMBER 15, 1972. MAGNETIC DECL. - NE3"E N.B. - GRID COORDINATES ARE RELATED TO PREVIOUSLY OUT ROPER LAKE GRID FREQUENCY DISTRIBUTION - NICOLA VOLCANICS Endorsed TOTAL SAMPLE : 877 SOILS : 0-54 PPM Zn BACKGROUNID POSSIBLY ANOMALOUS: 55-64 ----BACKGROUND 0-54 ANOMALOUS : 65-75 HIGHLY ANOMALOUS : 76+ P.A. | AN. | HIGHLY ANOMALOUS 55-64 65-75 76+ N.S. - NO SAMPLE ORG. - ORGANIC SAMPLE 0 10 20 30 44 50 60 70 INTERVAL (PPM. Zn IN SOILS)