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GEOLOGICAL ASSESSMENT REPORT

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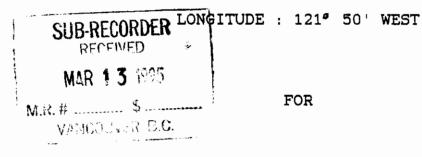
LD 1 MINERAL CLAIM

HARRISON LAKE AREA

NEW WESTMINSTER M.D.

NTS 92H/5W

LATITUDE : 49° 20' NORTH



FLAME PETRO-MINERALS CORP. 238-11180 COPPERSMITH PLACE RICHMOND B.C.

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MARCH

LES DEMCZUK M.Sc., P.Geo. PICWICK EXPLORATION LTD. 3894 WEST JOOVE OGICAL BRANCH VANCOUVER B.C. SVSN 2W3 ASSESSMENT REPORT

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1.0 SUMMARY

The LD 1 property consisting of 20 units (1236 acres) is located in the New Westminster Mining Division at the southwest end of Harrison Lake. 90 km east of Vancouver B.C. The property has exellent access from Vancouver via Highway 7 and the Weaver Lake logging road. Flame Petro-Minerals Corp. has an option to earn a 100% interest in the LD property from the recorded owner. Les Demczuk of Vancouver B.C.

In the Harrison Lake area, precious and base metal deposits and prospects occur in Middle Jurassic volcanic and sedimentary rocks within a major northwest structural belt and in close proximity to mid-Tartiary diorite and quartz diorite plutons. LD 1 claims are located only 5 km southeast from Seneca deposit (1,660,000 tons of 3.6% Zn, 0.36% Cu, 1.20 oz Ag/t) and 6.0 km southwest from RN-Geo (2,400,000 tons of 0.12 oz Au/t).

The LD 1 mineral claims are mostly underlain by interbeded flows and sediments of the Harrison Lake Group comprised of andesite, felsic volcanic, siltstones and sandstones. predominant structure on the property is an east-west The faults zones coincides with main logging road. Brecciation along major fault and splays resulted in silification and precious-base metal The east-west and northwest faults maybe the mineralization. critical directions for openings for hydrothermal solutions. Soil geochemistry have outlined several east-west gold anomalous zones over strike distance of 1,500 metres which probably are related to major east-west fault systems, cross-cutting structures and breccia zones. Consistering large and strong gold in soil anomaly open to the west and east further work on the property is fully warranted and recommended.

2.0 INTODUCTION

This report is a review of the data and field work conducted in February 1995 on the LD 1 mineral claim. The field work totaling 5.0 days carried out by L. Demczuk and M. Mroczek both geologist, consisted of geological and geochemical surveys.

The field work and results described within this report are intended to fulfil the assessment requirements for the LD 1-4 and GM,GM I mineral claims.

2.1 LOCATION AND ACCESS

The LD 1 claim block is located on the southwest side of Harrison Lake near Weaver Lake in the Westminster Mining Division in Southern British Columbia, (Fig. 1).

Access is by 13 km of logging road which joins Highway 7 at Harrison Mills, B.C. Old logging roads provide good access within the claim block. The property is 90 km from Vancouver B.C.

The topography of the claims is rugged with elevation ranging from 280 to 440 metres. The area is forested with mixture of conifers and deciduous trees. The climate is generally wet and mild year-round. Snowfall is minimal and exploration work may be conducted on the claims throughout the year.

2.2 CLAIM STATUS

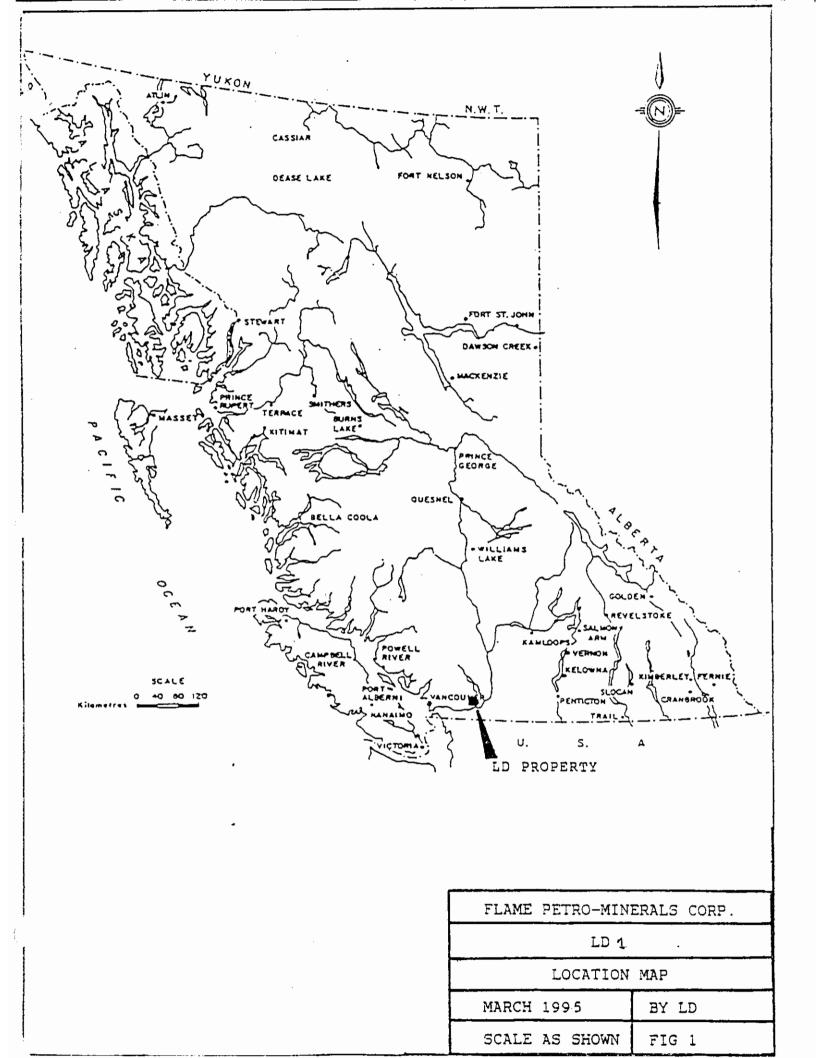
The property consist of LD1 mineral claim comprising approximately 1236 acres located in New Westminster Mining Division show on 92H/5W claim map at apprx. 49°20 ' N 121°50 ' W (Fig 2).

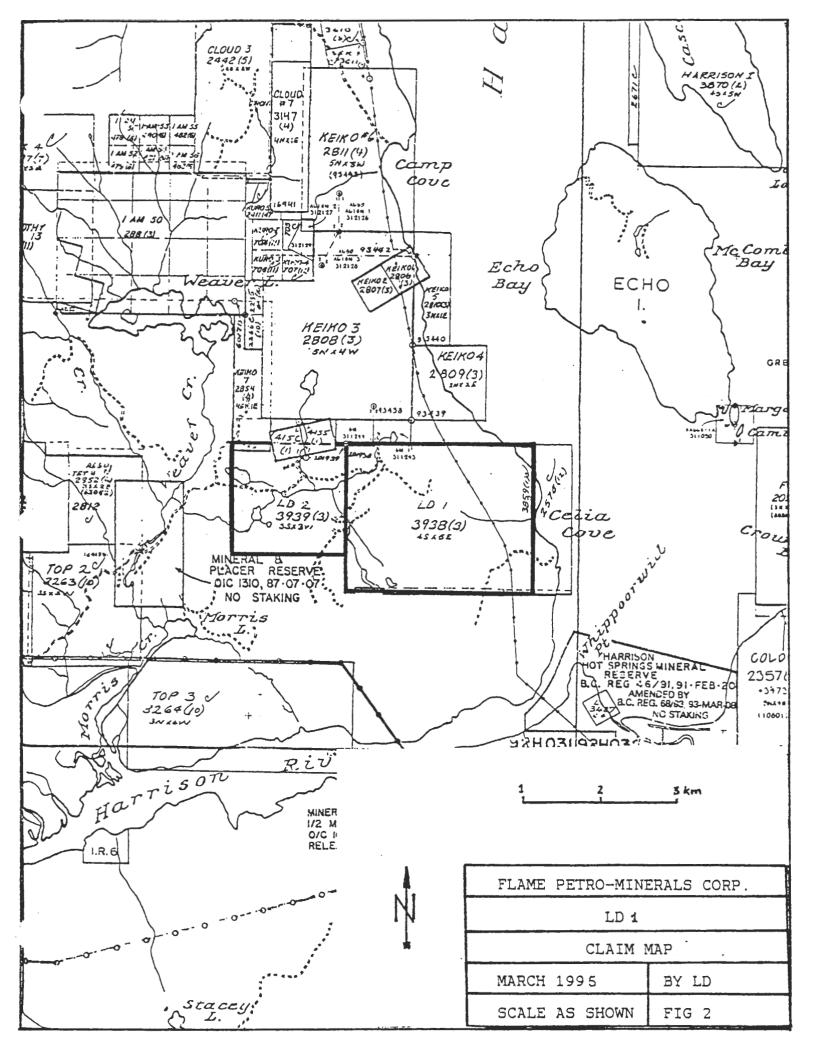
The pertinent claim data is as follows:

Claim Units Rec. Number Due Date	
----------------------------------	--

LD 1 20 3938 (236188) March 18, 1996

Les Demczuk of Vancouver is the recorded owner of the LD $\,1\,$ mineral claim.





2.3 HISTORY

Hope-Harrison Lake area has a long history of mineral The discoveries. Following the discovery of placer gold in river bars on the Fraser River near Yale in 1858 prospectors have searched the area for mineral deposits and with some actively In the immediate Harrison Lake area two precious metal success. deposits (Doctor's Point and RN-Geo) and one massive sulphide deposit (Seneca) were discovered in the past 20 years. The first record of work in the ground now covered by the LD claims consisted of soil and rock chip sampling in 1974. This was done by Cominco Ltd. on the Rye claims along the main access road (Friesen 1987). The samples were analyzed only for gold and silver, returning many anomalous values. Aaron Mines Ltd. owned the property at that time and obtained an assay of 1.86 oz gold and 58.61 oz silver per ton and 7. 23% zinc from one of the trenches exploring the geochemical anomalies.

In 1975 four diamond drill holes totalling 607 feet were drilled to explore the zone. The most significant intersections obtained in these drill holes were: 7 feet (58-65) of 0.344 Au oz/t, 1.30 Ag oz/t and 7 feet (93-100) of 0.20 Au oz/t and 0.79 Ag oz/t in hole 3, 17 feet (3-20) of 0.12 Au oz/t 0.73 Ag oz/t and 5 feet (49-54) of 0.485 Au oz/t, 2.68 Ag oz/t in hole 9.

In 1977 a ground magnetometer survey was done by Cochrane Consultants Ltd. over 6.4 miles of grid lines. The results show in east-west isomagnetic pattern which is interupted by north to northwest-trending magnetic highs. The highs are interpreted as response to tabular basic bodies such as dikes, sills, etc. (Cochrane (1977).

In 1979 and 1980 an adit was driven from the south to explore the zone. No data is applyilable.

In 1991 and 1994 Flame Petro-Minerals Corp. conducted soil, rock sampling, geological maping and EM-magnetic survey. As a result of this program several linerar anomalous zones for gold in soil, the largest of which is 600 metres in letgth were identified. The precious metal mineralization appears to be partly flat-lying (stratabound) and partly fault-controlled in nature (Cooke 1991).

3.0 GEOLOGY

3.1 REGIONAL GEOLOGY AND MINERALIZATION

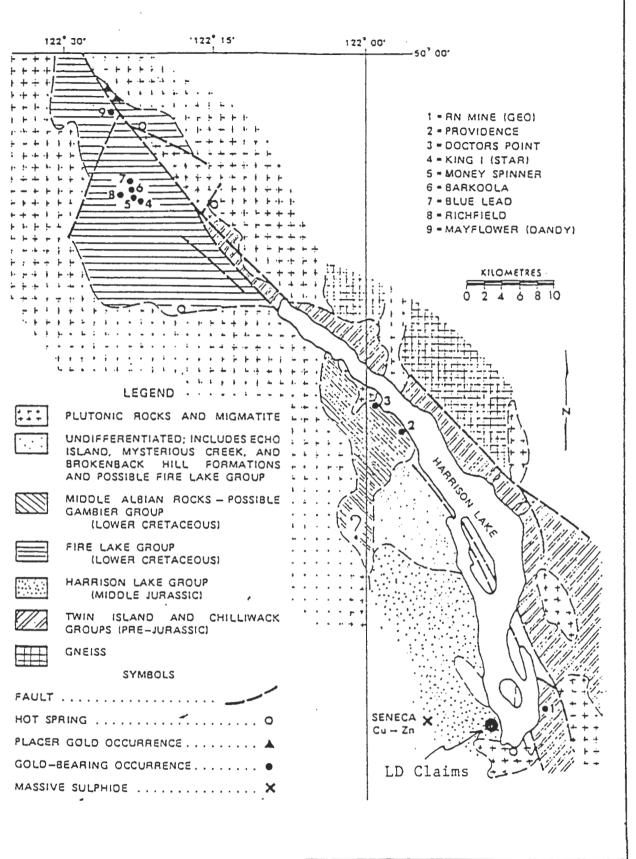
The regional geology has been summarized by Cooke (1991):

"The most prominent geological feature of the area is the Harrison Lake fracture systym (Figure 3). This is a major northwest trending fault system, which separates older rocks on the east side from younger and contrasting rocks on the west side of Harrison Lake. Pennsylvanian to Permian limestones and sediments (Chilliwack Group) occur, together with gneissic rocks on the east side of Harrison Lake (Ray, 1984, p.43). By contrast the rocks on the southwest side of the fracture system are generally younger and less deformed. The younger rocks consist of a variety of volcanic flows, volcaniclastic and sedimentary rocks of Mesozoic age, intruded by plutonic rocks of granite to diorite composition.

The Harrison Lake Group is the main lithology on the southwet side of Harrison Lake, consisting predominantly of andesites and dacites of Middle Jurassic age. The Fire Lake Group, located northwest of Harrison Lake, is lower Cretaceous in age and consist of coarse and fine-grained sedimentary rocks with a lesser volcanic component.

Precious metal mineralization and hot spring activity are associated with the Harrison Lake fracture system (Figure 3). The gold is hosted by sulphide-bearing quartz veins and stockworks that cut metasedimentary, volcanic and associated quartz diorite and diorite plutons of mid-Tertiary age. Gold occurs in the free state and as silver and bismuth telluride with or without base metals. The three main deposits which have been outlined in the Harrison Lake area by drilling are:

Doposit	Reserver(]	(ons)	oz.Au/t
Rn-Geo Doctors Point Seneca		(probable) (probable) (3.6% Zn 0.63% Cu 1.20 oz Ag/T	0.12 0.10 0.024



FLAME PETRO-MINI	FLAME PETRO-MINERALS CORP.											
LD 1												
REGIONAL GEO	LOGY MAP											
MARCH 1995	BY LD											
SCALE AS SHOWN	FIG 3											

3.2 PROPERTY GEOLOGY AND MINERALIZATION

Geological mapping was done along logging roads and creeks in the north-western part of LD 1 calim at the scale 1:2000 (Figure 4). This work indicate that this part of the property is mostly underlain by interbeded flows and sediments of the Harrison Lake Group. Flows appear to be of andesite composition with locally felsic volcanic. They are grey-greenish fine grained tuffs to coarse pyroclastic with locally porphyritic texture. Strong silification and pyritization are common. Sediments are represented by black siltsones, sandstones and locally conglomerates. The sedimentary rocks are mostly greyblackish locally brownish when less altered. Bedding planes and lamination are well developed and show a general northwest strike and shallow dips to the southwest.

The predominant structure on the property is an east-west $(N \ 70^{\circ}E)$ fault zone which coinsides closely with the main logging road. The fault is marked by strong linear topographic depression. The fault is quite complex exhibiting sub-parallel splays as well as being offset by north-south to northwest faults. Some tectonic breccias are associated with these fault structures, others maybe related to vent areas.

Anomalous gold mineralization occurs in the north-eastern part of the surveing area. Weak gold and strong silver minerlization is associated with strongly altered and breccieted volcanic. Abundant silification and strong pyritization is also associated with base and precious metals mineralization.

3.3 GEOCHEMICAL PROGRAM

The aim of the geochemical program was to test an extention of the gold anomaly to the east. The base line was extend by 300 metres and two 500 metres and one 250 metres long line were establish (Figure 5.6). Sixty two soil samples were collected from the B-Horison. Additional five silt and five rock samples were collected along the traverse. Thirty one (every other) soil and five silt and five rock samples were analyzed in Acme Analytical Labs. in Vancouver B.C. by JCP and Acid Leach/AA for . gold. Rock sample description are presented in Appendix I, certificates of analysis for rocks, soils and silts are included in Appendix II. Analytical results are plated on Fegure 5 and 6.

GOLD

Gold values in the initial 5 rock samples varies from 49 to 464 ppb, all samples are considered anomalous with extremely anomalous sample 05LD95 from strongly altered manganese stain volcanic. Only two anomalous (>20 ppb) silt samples were recorded with highest values of 45 ppb in 06SMM95 sample. Gold values in soil samples range from 2 to 230 ppb with only four anomalous samples (>10 ppb).

SILVER

Silver values in rock samples varies from 2.0 to 46.4 ppm and all are considered anomalous (>2.0 pmm). Three out of five silt samples are considered anomalous (>1.0 ppm) with highest value of 3.4 ppm in sample 06SMM95. In soil silver values are generally low with four moderately anomalous (1.4, 2.9, 1.8, 5.9ppm) and one extremely anomalous (21.4 ppm) samples.

COPPER

Copper values in rock, soil and silt samples are insignificant and warant no further discussion.

LEAD

Lead values exceeding 30 ppm were recorded in three rock samples with highier value of 125 ppm in sample 05LD95 which is also anomalous in gold and silver. Lead values in silts samples range from 23 to 119 ppm with three samples considered anomalous. There were thirteen anomalous samples in soil which range from 35 to 193 ppm.

ZINC

There were no anomalous zinc values recorded in rocks samples. The zinc values in silt samples range from 108 to 230 . ppm with four samples exiding 150 ppm and considered anomalous. There were fourteen anomalous in zinc soil samples which range from 150 to 275 ppm.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Geological mapping indicated that the northwestern part of the LD 1 claims is mostly underlain by interbeded flows and sediment of the Harrison Lake Group comprised of grey-green andesite felsic volcanic siltstones and sandstone.

The predominant structure on the property is an east-west fault zone which coincides with the main logging road. Several fault and shear zone striking NW-SE were noted crosscutting the main fault zone.

Brecciation along major faults and splays resulted in silification and base-precious metal mineralization. There are several sets of faults that host mineralization but the east west and northwest set maybe the critical directions for openings for hydrothermal solutions.

The 1991, 1994 and 1995 soil geochemistry programs have outlined several elongate east-west zones over strike distance of 1,500 metres which are strongly anomalous for gold (Figure 6), This anomaly is open to east and west.

A program of trenching and sampling is recommended for the anomhous areas. The highest gold anomalies in the central part of the grid area should be drilled. The remainder soil samples from 1994 and 1995 geochemical program should be assayed. Extention of the grid to the east-west is warranted in order to further define the anomalous zones which are currently open.

Respectully submit Les Demezuk M.SearF.Geo. March 10, 1995"

5.0 REFERENCES

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APPENDIX I

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ROCK SAMPLE DESCRIPTION

SAMPLE	#	TYPE	DESCRIPTION
01LD95		Grab	Strongly sheared dark-black-redish siltstone
02LD95		Grab	Strongly silicified grey tuff with 20% diss. pyrite and some other sulphide
03LD95		Grab	Strongly silicified weakly fractured with >10% diss pyrite andesite.
04LD95		Grab	1-2 wide shear zone with weak breccia qtz comented andesite fragments, >5% py
05LD95		Grab	Strongly altered fine tuff with diss py and manganese stain.
06LD95		Grab	Strongly altered ardente with tr. of pyrite and some manganese stain.

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APPENDIX II

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ΑΛ	GEOCHEMICA	L ANA	. 18	CERI	IFICA	TE		
	Les Demczuk	File	# 95	-0458	Pa N 280	ge 1		T T
SAN	PLE#	Cu	Pb	Zn	Ag	As	Au**	
		ppm	ppm	ppm	ppm	ppm	ppb	
011 021	D95 D95	23 10	59 21 138	17 132 50	9.2	115 61	68 49	
041	D95 D95	10 125 19 21	$1\overline{3}\overline{8}$ 125	-50 176	2.0 8.8 46.4	135	211	
061	.D95	21	125 17	176 75	$46.4 \\ 5.1$	38 76	464 141	
RE STA	06LD95 NDARD C/AU-R	20 59	15 36	72 127	4.9 6.9	72 41	127 472	
Samples beginning 'RE' are dur DATE RECEIVED: FEB 16 1995 DATE REPO	RT MAILED: Teb 2	27 95	SIC	NED B	<u>.C.L</u>	···]	.D.TOYE,	C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS



Les Demczuk FILE # 95-0458



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ACHE ANALYTICAL																							_							ALRE	ANALTIICAL
SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	N i ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cdi ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	N Ppm	Au* ppb
																													_		
01SMM95	2	38	119	199	1.8	22	15	1377	5.15	61	<5	<2	<2	10	<.2	4	<2	37	. 18	.096	11	21	.70	102	.01	<3 2	2.10	.01	.14	<2	22
02SMM95	3	42	40	230	1.9	33	16	2005	4.95	67	<5	<2	<2	24	1.0	5	<2	33	.53	.097	13	20	.43	131	.01	<3 '	1.60	.01	.10	<2	9
03SMM95	1	16	34	172	.7	11	18	8448	4.43	40	<5	<2	<2	74	1.2	<2	15	24	2.36	.114	17	8	.12	256	.01	<3	1.12	.01	.04	<2	16
04 SMM95	1	28	23	108	.5	12	14	1496	3.99	30	<5	<2	<2	26	.3	2	<2	42	.55	.067	13	17	.71	153	.01	<3	1.91	.01	.10	<2	8
06SMM95	2	41	80	168	3.4	20	17	1629	5.11	64	<5	<2	<2	13	.3	3	7	34		.092	15	20	.69	102	.01	-	.89	.01	.11	<2	45
RE 06SMM95	2	41	85	170	3.2	21	16	1620	5.16	63	<5	<2	<2	13	<.2	6	6	33	.30	.093	15	20	.70	97	.01	<3 ⁻	1.87	.01	.11	<2	37

Sample type: SOIL. Samples beginning 'RE' are duplicate samples. AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.



Les Demczuk FILE # 95-0458



ACHE ANALYTICAL																							<u>.</u>							CHE ANALY	TICAL
SAMPLE#	Mo ppm	Cu ppm	РЬ ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppns	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	Ła ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al X	Na %	K X	W ppm	Au* ppb
L13+00E 12+50N L13+00E 12+00N L13+00E 11+50N L13+00E 11+00N L13+00E 10+50N	1 1 <1 <1 1	33 32 12 9 21	65 28 23 27 79	231 196 101 47 275	.5 .9 <.3 <.3 1.4	17 24 11 6 14	13 12 4	2850 4 1082 4 2428 3 490 1 4306 3	.31 .60 .89	13 11 5 3 20	<5 <5 <5 <5	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<>> <> <> <> <> <> <> <> <> <> <> <> <>	13 23 6 13 35	1.5 .5 <.2 .3 2.0	<2 6 2 2 3	<2 2 2 4 6	67 58 42	.36 . .54 . .14 . .19 . 1.08 .	047 110 044	19 9 8 9 14	23 36 24 16 10	.59 .52 .13	178 155 119 162 394	.02 .06 .02 .04 .01	4 2 5 1 <3	2.37 2.55 1.77 .86 1.68	.02 .01 .01 <.01 .01	.11 .08 .07 .04 .15	<2 <2 <2 <2 <2 <2 <2 <2 <2 <2	2 3 3 3 7
L14+00E 99+50N L14+00E 99+00N L14+00E 98+50N L14+00E 98+00N L14+00E 97+50N	1 1 2 <1 1	17 19 18 11 19	14 17 23 21 18	150 220 74 29 80	.4 .6 .5 <.3 .7	16 17 7 8 8	11 6 3	1968 3 1619 3 968 2 212 1 556 3	.30 .62 .67	9 10 17 8 9	৩ ৩ ৩ ৩ ৩ ৩ ৩	~~~~~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	14 9 6 8	<.2 <.2 .3 .5 <.2	4 <2 3 <2 <2	3 3 <2 6 5	59 52 21 34 49	.24 . .18 . .11 . .06 . .11 .	078 085 033	10 8 14 9 8	31 28 10 14 23	.54	209 142 114 92 89		<3 2 6 1 <3	2.09 2.71 1.80 .88 1.92	.01 .01 <.01 .01 .01	.06 .07 .13 .03 .04	2 2 2 2 2 2 2 2 2	2 1 5 4 2
L14+00E 12+50N L14+00E 12+00N L14+00E 11+50N L14+00E 11+00N L14+00E 10+50N	<1 <1 1 <1 <1	17 32 35 7 14	30 122 193 20 94	138 221 267 26 199	.7 21.4 2.9 <.3 <.3	27 19 20 8 14	19 25 5	5811 4 5999 3 5613 5 357 1 4105 2	.65 .32 .81	17 19 43 7 14	8 <5 <5 <5 <5	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	17 48 39 6 29	.8 1.3 .7 <.2 .2	2 3 3 <2 <2	7 5 15 2 2		.48 . 1.18 . .71 . .09 . .51 .	143 106 037	13 17 21 11 7	30 20 17 13 17		383 46	.01 .01 .02 .02 .02	3 1		.01 .01 .01 .01 .01	.13 .16 .14 .04 .09	~~~~~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2 230 21 2 2 2
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L15+00E 12+50N RE L15+00E 12+00N L15+00E 12+00N L15+00E 11+50N L15+00E 11+00N	<1 <1 1 2 1	14 23 26 18 15	108 42 46 23 26	64 203 202 207 190	<.3 1.8 1.8 .6 .5	10 16 16 14 14	14 14 13	1364 1 1441 3 1443 3 853 6 754 6	.76	7 32 29 13 14	<5 <5 <5 <5 <5	~~~~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~? ~? ~ ~? ~ ~ ~	9 9 8 8	.7 .6 .4 .3 .3	~2 ~2 ~2 ~2 ~~~~~~~~~~~~~~~~~~~~~~~~~~	5 4 3 5	29 59 59 70 63	.15 . .15 . .15 . .13 . .11 .	079 079 059	11 9 9 9 7	13 29 29 36 33	.41 .41 .26 .24	98 149 154 93 84	.01 .02 .02 .10 .09	<3 2	2.65	.01 .01 .01 .01 .02	.07 .06 .05 .05 .04	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	3 19 36 1 1
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Sample type: SOIL. Samples beginning 'RE' are duplicate samples. AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. 2

APPENDIX III

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STATEMENT OF COSTS

LD 1

FEBRUARY 11,12,13, and 18,19, 1995

PERSONEL

L. Demczuk M M. Mroczek H			Days @ Days @		\$ \$	1750.00 1375.00
Geochemistry	ntal 5, Chainsaw Rental ing,Drafting,Typin	1	Days @ ,Copy)	\$125	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	625.00 386.00 298.52 583.79 1000.00

Total \$ 6018.31

A P P E N D I X IV

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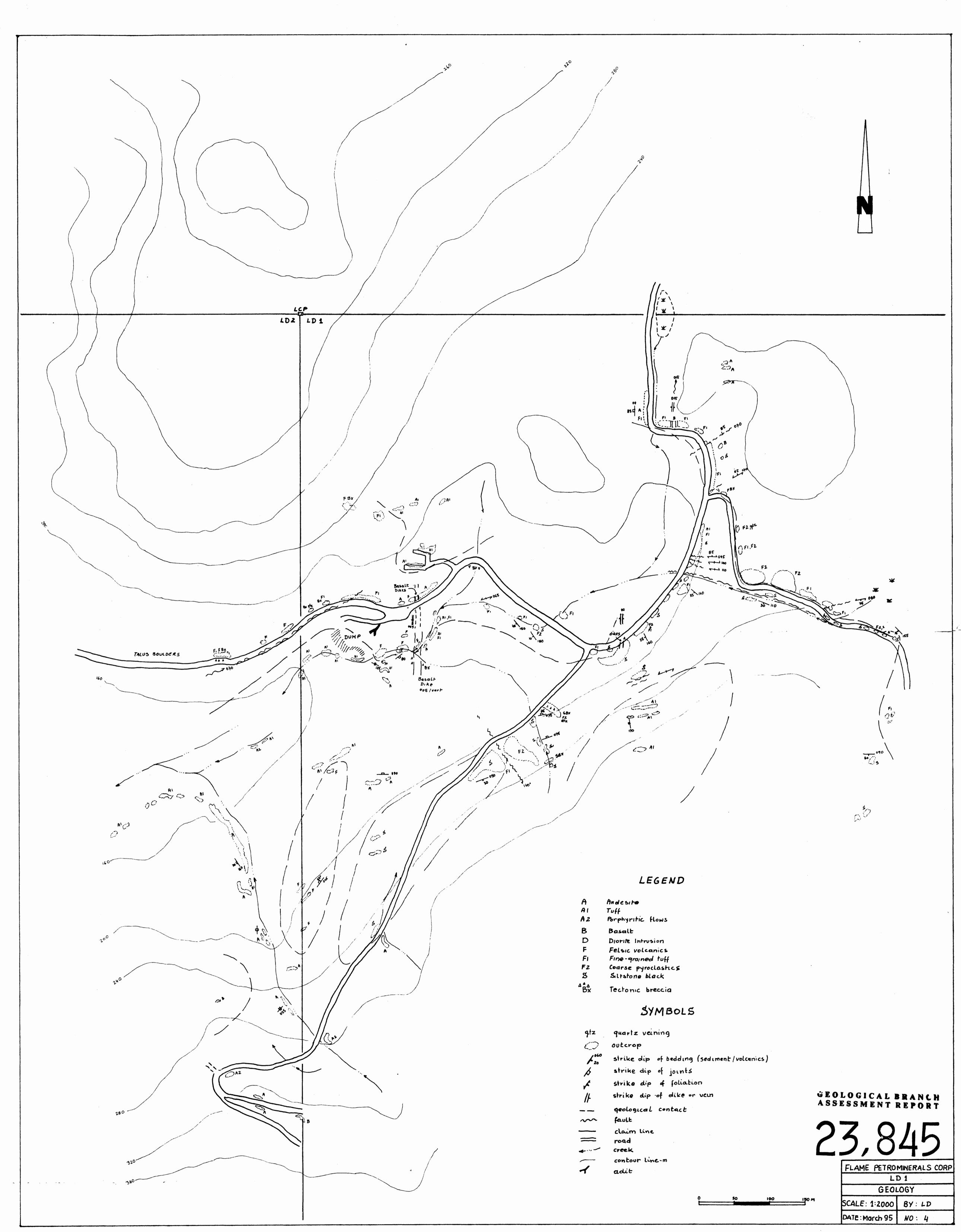
STATEMENT OF QUALIFICATION

I, Les Demczuk, of the city of Vancouver, Province of British Columbia so hereby certify that:

- I am a Mining Geological Engineer residing at 1835 East 13th Ave. Vancouver B.C.
- 2. I graduated from University of Mining and Metallury, Krakow, Poland in 1977 with Master of Science Degree in Geology.
- 3. I have worked in mineral and coal exploration since 1977 and have practiced my profession since 1977.
- 4. I am a Professional Geologist registered with the Association of Professional Engineer and Geoscientist of British Columbia.
- 5. This report is based upon field work carried out by myself and a review of publised and privately held literature pertaining to the claim area.

DEMODUK

Les Demczuk, M. Sc. P. Geo. March 10, 1995



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