

LOG NO:	1114	RD
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FILE NO:		

GEOLOGICAL REPORT

OF THE

PLB 4 CLAIM

104G/8W

LIARD MINING DIVISION

BY

ANDRIS KIKAUKA

FOR

GULF INTERNATIONAL MINERALS LTD.

AUGUST 15, 1989

LOG NO:	0307	6
ACTION:	<i>Scale received back from amendment</i>	
FILE NO:	<i>8 p.</i>	

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,307

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1.0 Introduction

The PLB 4 claim is located approximately 100 km. south of Dease Lake and 7 km. NW of the Iskut emergency airstrip beside highway 37. A helicopter was used for access to the claims.

The original claim block PLB 1-8, consisted of 152 units. The claims were staked on the basis of anomalous gold results from government streams geochemistry. A 2 man fly camp examined the property from July 26-27, 1989. The PLB 4 claim was held in good standing for one year.

2.0 Land Status

<u>Mining</u> <u>Division</u>	<u>Claim</u>	<u>NTS</u>	<u>Record #</u>	<u>expiry</u>	<u># of Units</u>
Liard	PLB4	104G/8	5114	Aug/90	18

3.0 Vegetation and Topography

The claim area ranges from 1300-1800 metres in elevation. The entire claim area is above treeline.

4.0 Claim Geology and Mineralization

The east portion of the claim is underlain by laminated, argillaceous siltstones with intercalations of indurated sandstone and basalt flows. These are probably U. Triassic and/or Jurassic rock units (Souther, 1979 Map 1418A G.S.C.). Minor chalcedony and orange staining (caused by oxidized zinc) was noted in float on the northeast portion of the claim.

The west portion of the claim is underlain by Eocene, flat lying lapilli tuffs related to the Mt. Edziza eruption. Trace to 3% pyrite as disseminated blebs 0.1-2 mm were noted in the northwest portion of the claim. This zone was prospected in 1988 giving poor results. Stream sediment geochemistry indicated a weak zinc anomaly over the east portion of the claim.

5.0 Geological Potential

The Eocene lapilli tuffs are unlikely host rocks for mineral deposits. The possibility exists for locating mineral occurrences in the Mesozoic rocks along the ridge in the east portion of the claim.

6.0 Summary

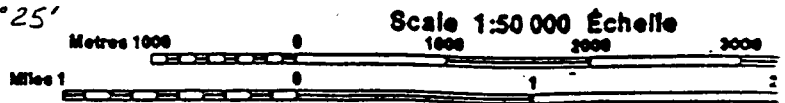
The PLB 4 claim is underlain by Triassic and Jurassic volcanics/sediments to the east and Eocene lapilli tuffs to the west (related to the Mt. Edziza eruption). No significant gold/silver occurrences were found, however chalcedony veinlets occur in the east portion of claim, indicating potential for epithermal mineralization.



APPENDIX C

PROPERTY : PLB
 CLAIMS : PLB 4
 UNITS : 18
 NTS : 104 G/8 West

$130^{\circ}25'$



Appendix **D**

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO₃-H₂O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR HM FK SR CA P LA CR HG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: P1 ROCK P2 SOIL/SILT AU** ANALYSIS BY FA/ICP FROM 10 GM SAMPLE. P, -40 mesh, Pulverized.

DATE RECEIVED: JUL 31 1989

DATE REPORT MAILED: Aug 8/89

SIGNED BY: *C. Long* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

GULF INTERNATIONAL PROJECT PLB File # 89-2541 Page 1

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	Al	Na	K	W	AU**
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
D 18156	3	7	16	56	.1	7	5	321	3.76	3	5	ND	2	113	1	2	4	9	2.57	.040	8	6	.52	22	.01	4	.57	.03	.07	1	26

SAMPLE#	Hg	Cu	Pb	Zn	Ag	Mi	Co	Mn	Po	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	AU**
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
HS-62	13	18	14	384	.2	19	11	2788	4.85	14	5	ND	1	66	8	2	2	59	1.17	.085	29	14	.29	172	.08	3	2.15	.02	.07	2	3
HS-63	31	80	14	1407	.4	80	17	1354	6.71	59	5	ND	1	30	16	10	2	86	.45	.129	18	10	.30	169	.02	2	1.13	.01	.10	1	7
HS-64	6	34	12	372	.3	23	14	1526	3.95	14	5	ND	1	41	7	2	2	72	.63	.125	14	15	.46	205	.03	3	1.63	.01	.13	1	2
HS-65	6	35	12	353	.2	25	11	613	3.55	16	5	ND	1	44	4	2	2	43	.31	.070	15	14	.47	123	.01	2	1.21	.01	.12	1	5
HS-66 P	8	43	5	474	.3	27	10	665	5.00	16	5	ND	1	36	5	2	2	82	.40	.081	17	17	.60	116	.09	2	1.36	.01	.13	1	1
HS-67	4	39	9	309	.3	26	13	686	3.70	11	5	ND	1	56	4	2	2	43	.29	.073	17	14	.54	137	.01	2	1.38	.02	.13	1	7
HS-68	8	48	12	663	.5	36	17	1285	5.02	22	5	ND	1	51	8	2	2	74	.50	.098	22	18	.63	169	.07	2	1.95	.01	.13	1	5
HS-69	10	47	15	615	.3	34	14	971	4.76	24	5	ND	1	41	6	5	2	65	.30	.089	22	16	.41	151	.05	2	1.81	.01	.12	1	4
HS-70	4	42	10	318	.4	29	15	766	3.86	11	5	ND	1	55	4	2	2	44	.29	.076	18	14	.55	140	.01	3	1.43	.02	.13	1	1
HS-71	3	39	13	304	.2	27	14	701	3.67	13	5	ND	1	53	3	2	2	43	.23	.070	17	14	.54	128	.01	2	1.38	.02	.13	1	2
HS-72	6	30	16	341	.1	19	10	575	3.50	19	5	ND	1	50	3	2	2	36	.29	.072	15	9	.31	149	.01	4	.98	.01	.12	1	5
HS-73	3	35	14	280	.3	25	14	611	3.15	10	5	ND	2	44	3	2	2	31	.31	.063	13	11	.62	115	.01	4	1.32	.01	.13	1	6
HS-74 P	5	27	10	330	.1	19	8	443	3.10	14	5	ND	1	42	3	2	3	35	.27	.066	14	7	.29	166	.01	3	.97	.02	.15	1	1
HS-75 P	3	18	15	199	.1	15	11	548	3.04	21	5	ND	2	55	1	2	2	24	.26	.066	13	7	.15	181	.01	5	.73	.03	.18	1	1
HS-76	3	23	7	145	.2	19	8	519	2.45	16	5	ND	1	76	1	2	2	15	.57	.055	6	4	.21	173	.01	2	.45	.01	.10	1	2
HS-77 P	2	11	9	91	.1	9	7	370	2.48	12	5	ND	2	41	1	2	2	14	.12	.045	11	3	.87	121	.01	3	.66	.02	.13	1	1
HS-78	2	23	9	146	.1	18	9	414	2.78	10	5	ND	1	55	1	2	2	19	.26	.065	8	3	.10	157	.01	3	.54	.01	.10	1	1
A-94 P	2	16	15	153	.1	15	13	645	2.87	22	5	ND	2	58	1	2	2	16	.20	.058	13	5	.10	150	.01	6	.64	.02	.16	1	3
A-95	3	17	15	121	.1	9	7	362	2.65	11	5	ND	2	41	1	2	2	18	.32	.054	15	5	.26	136	.01	2	.70	.02	.14	2	4
A-96	9	37	10	475	.2	27	10	661	3.57	21	5	ND	1	49	5	2	2	39	.28	.070	14	7	.29	141	.01	3	.91	.01	.12	1	1
A-97	3	36	13	290	.1	28	17	711	3.08	9	5	ND	2	41	3	2	4	30	.33	.065	12	13	.65	103	.01	4	1.36	.01	.13	1	1
A-98	10	41	14	554	.2	28	12	767	4.09	27	5	ND	2	49	6	2	2	43	.30	.077	15	6	.19	133	.01	5	.84	.01	.12	1	2
A-99	3	27	16	181	.1	16	16	790	3.98	21	5	ND	2	53	1	2	2	34	.39	.073	16	9	.32	133	.01	2	1.14	.02	.14	1	3
A-100	2	23	13	247	.1	19	23	908	4.32	25	5	ND	3	51	1	2	2	14	.19	.066	17	4	.11	130	.01	2	.91	.01	.12	1	2
A-101	5	38	10	350	.1	20	12	727	3.34	17	5	ND	1	45	4	2	2	33	.25	.061	17	8	.29	130	.01	2	1.06	.01	.13	1	4
A-102 P	3	31	10	232	.3	18	10	457	3.03	15	5	ND	2	31	2	2	2	31	.21	.055	14	10	.38	88	.01	2	.95	.01	.13	1	2
A-103	4	39	11	356	.2	24	12	641	3.23	15	5	ND	1	43	4	2	2	30	.25	.061	17	10	.42	109	.01	2	1.11	.01	.12	1	1
A-104	4	32	10	281	.2	20	11	611	2.97	17	5	ND	2	32	3	2	2	32	.20	.056	19	9	.38	82	.01	2	1.02	.01	.10	1	1
A-105 P	10	51	12	631	.5	31	11	574	4.04	25	5	ND	2	36	6	2	2	54	.28	.079	20	12	.41	262	.02	4	1.33	.02	.14	1	2
A-106	6	42	13	415	.3	26	13	841	4.86	19	5	ND	1	34	4	2	2	80	.35	.093	20	17	.54	145	.09	6	1.97	.01	.09	1	2
A-107	3	40	10	324	.2	30	15	826	3.69	14	5	ND	2	61	4	2	2	40	.28	.072	17	14	.53	136	.01	2	1.36	.02	.13	1	1
A-108	4	46	8	329	.3	26	17	769	3.95	16	5	ND	1	53	4	2	2	47	.24	.075	19	15	.55	128	.01	2	1.43	.02	.13	1	1
A-109 P	8	44	12	644	.3	29	14	722	5.70	25	5	ND	1	30	7	6	2	119	.72	.089	18	18	.71	112	.16	2	2.03	.01	.12	1	2
STD C/AU-5	18	61	36	132	6.9	69	31	1020	4.17	40	22	8	39	52	18	14	23	61	.48	.091	40	57	.85	180	.08	34	1.98	.06	.13	13	52

Appendix E

Statement of Costs

Wages	field geologist	Harmen Keyser @ 250/day	\$ 500.00
"	"	Andris Kikauka @ 200/day	400.00
Transportation	Helicopter	2.7 hrs @ 625/hr	1687.50
Room and Board	4 man days @ 60/day		240.00
Assays	33 silt 1 rock @ \$14/sample		<u>476.00</u>
			<u>3303.50</u>
			=====

Appendix F

Statement of Qualifications

I, Andris Kikauka, of Gulf International Minerals Ltd. do hereby certify that:

- Graduated from Brock University, faculty of Geological Sciences, St. Catharines, Ontario, 1979, receiving honours B.Sc., first class
- From 1976 - 79, have been performing geological field work for Uranium targets on the Canadian Shield.
- From 1979-1989, have been performing geological field work for precious metal, base metal targets on the western cordillera in B.C. and the Yukon Territory.
- Maintain a professional affiliation with the G.A.C. and M.E.G.
- Personally participated in the field work of this report, reviewed and assessed the data and have nor direct or indirect or contingent interest in this mineral property.

Sincerely,

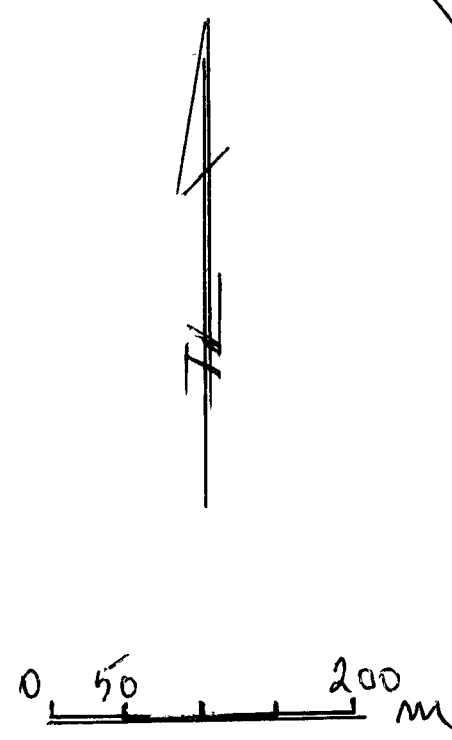
Andris Kikauka

Andris Kikauka
Geologist
Gulf International Minerals Ltd.

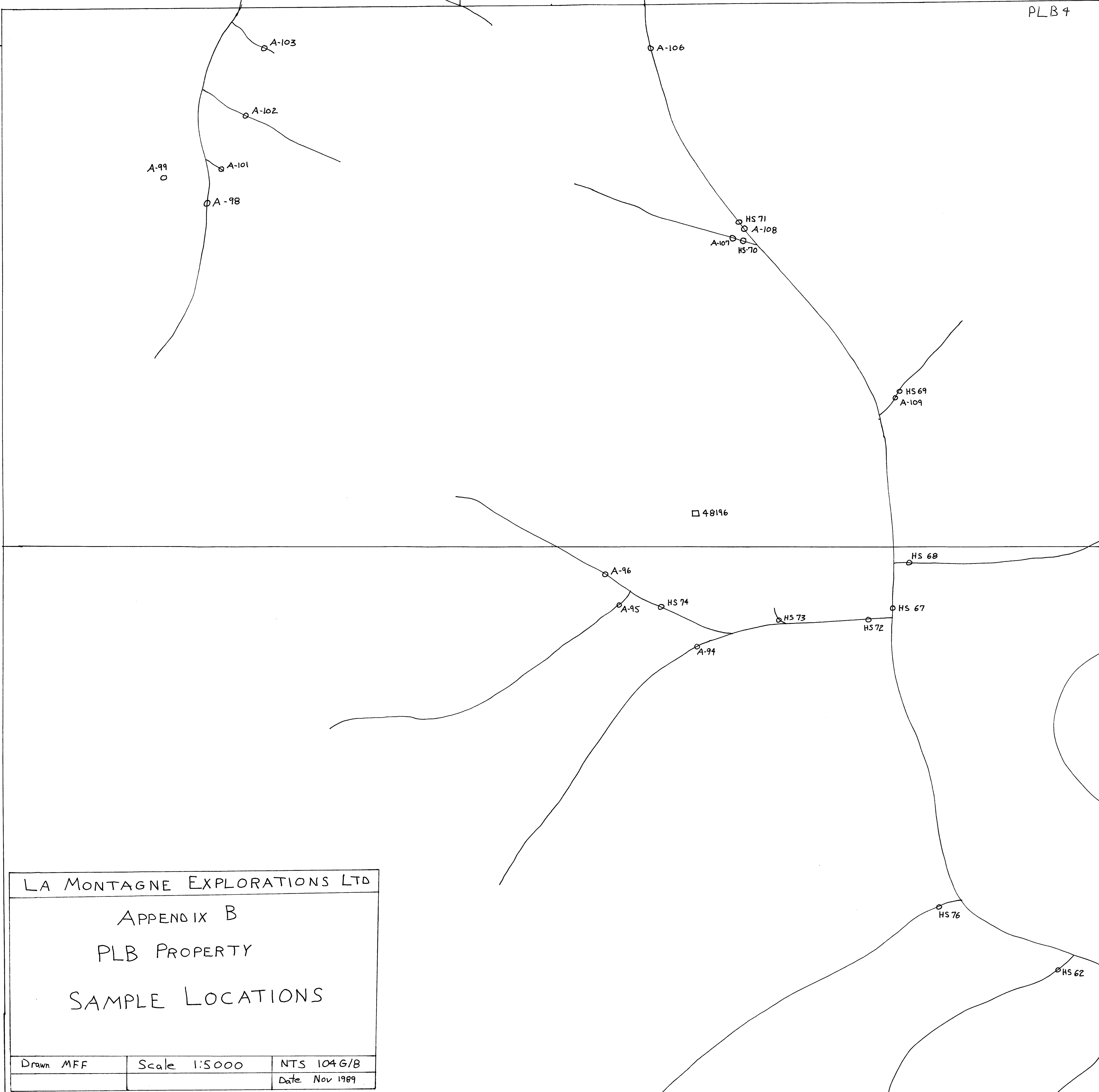
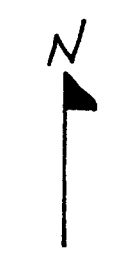


LEGEND

- ② EOCENE
Lapilli tuff (Mt Edzidza equivalent)
 - ① TRIASSIC/JURASSIC
Siltstone (argillaceous) intercalated
sandstone and basalt
1a Trace chalcidony as 1-2mm veinlets
- contact



LA MONTAGNE EXPLORATIONS LTD.		
APPENDIX A		
PLB PROPERTY		
GEOLOGY		
19307		
Drawn MFF	Scale 1:5000	NTS 104G/8
		Date Nov 1989



LEGEND

- SALT SAMPLE SITE
- ROCK SAMPLE SITE



LA MONTAGNE EXPLORATIONS LTD		
APPENDIX B		
PLB PROPERTY		
SAMPLE LOCATIONS		
Drawn MFF	Scale 1:5000	NTS 104G/B
		Date Nov 1989

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