

FREEMONT GROUP

Omineca Mining Division
British Columbia

DIAMOND DRILLING REPORT

Anthony L'Orsa, F.G.A.C.

Smithers, B.C.

12 July 1991

LOG NO: AUG 09 1991 RD.

ACTION:

TABLE OF CONTENTS
FILE NO:

	Page
SUMMARY	1
INTRODUCTION	1
LOCATION AND ACCESS	1
PHYSIOGRAPHY	1
CLAIMS AND OWNERSHIP	2
PREVIOUS WORK	2
GEOLOGY	2
DISCUSSION	2
CONCLUSIONS	3
REFERENCES	3
STATEMENT OF COSTS	4
STATEMENT OF QUALIFICATIONS	4
APPENDIX 1: Drill logs	
APPENDIX 2: Analyses	
ILLUSTRATIONS:	
Location map, following page	1
Claims map, following page	1

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

21,346

SUMMARY

A diamond drill hole, 170.69 m in length, intersected an IP anomaly generated by a graphite-bearing fault zone at the contact between amygdaloidal rhyolitic rocks and calcareous andesitic tuffs. Anomalous amounts of fracture-filling Cu, Pb, Zn, Ag, Ba and other metals were found.

INTRODUCTION

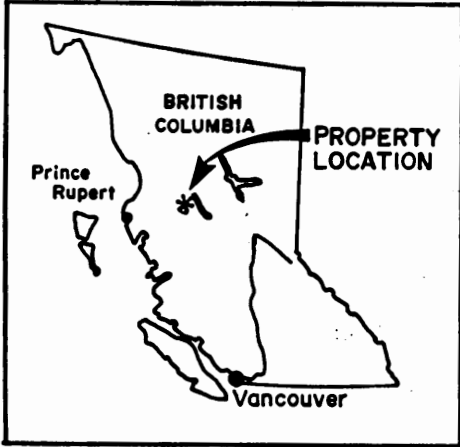
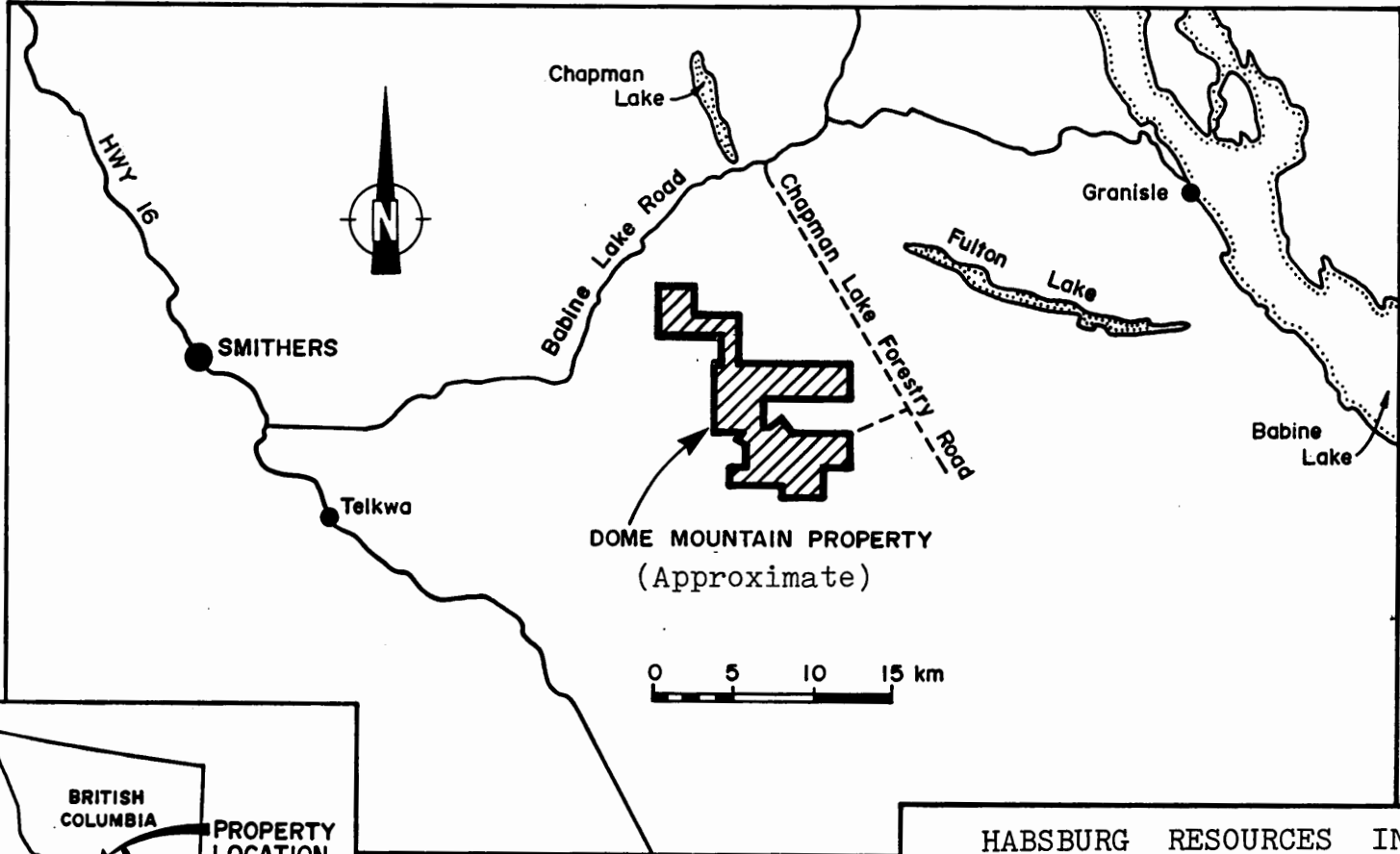
A diamond drill hole (A91-1), 170.69 m (560 ft) in length, was drilled on the April 2 mineral claim to test an IP anomaly associated with felsic volcanic rocks. The contractor was J.T. Thomas Diamond Drilling Ltd of Smithers, B.C. An Acker drill (A-21) was used, and the core size is NQ. Water for drilling was obtained from a roadside ditch. The core is stored in Smithers by Habsburg Resources Inc. Geochemical analyses were done by Min-En Laboratories of North Vancouver, B.C.

LOCATION AND ACCESS

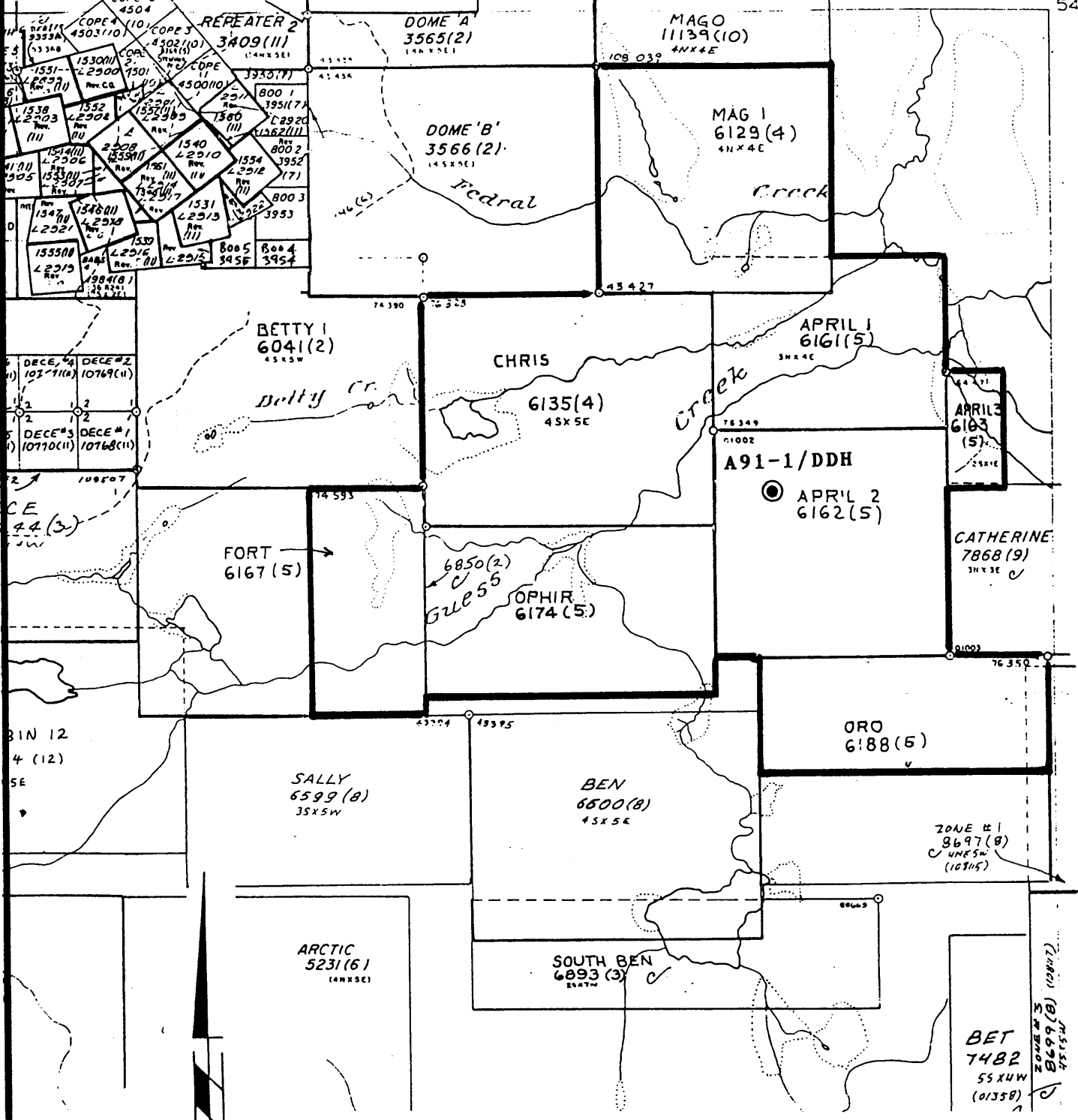
The drill hole is 39.4 km east-southeast of Smithers, at about 54° 42' 40" north latitude and 126° 32' 10" west longitude, map area 93L/10, at an elevation of about 1115 m. The Chapman Lake Forest Road provides excellent access all year, from either Smithers or Houston, to the summer-only logging roads that lead to the drill site. The area is generally free of snow from May until late October.

PHYSIOGRAPHY

The area is one of moderate relief, cut by the shallow valley of Guess Creek which is a major northeasterly-flowing stream. Stands of balsam fir and spruce are common in the area, although clearcut logging has been extensive.



HABSBERG RESOURCES INC.		
DOME MOUNTAIN PROJECT		
LOCATION MAPS		
Scale	Date : JULY 1991	FIG. 1



LOCATION MAP		
FREEMONT GROUP		
Dome Mt. Area, B.C.		
12 July 1991	DRAWN BY:	FIG. 2

CLAIMS AND OWNERSHIP

The Freemont group comprises the following mineral claims:

<u>Claim</u>	<u>Units</u>	<u>Title No.</u>
April 1	12	6161
April 2	16	6162
April 3	2	6163
Chris	20	6135
Fort	8	6167
Mag 1	16	6129
Ophir	15	6174
Oro	10	6188

Habsburg Resources Inc. (formerly Teeshin Resources Ltd), 1200 South Service Road W., Oakville, Ontario, L6L 5T7, is the recorded holder of the claims, subject to several agreements.

PREVIOUS WORK

Mineral exploration work on the Freemont group includes limited prospecting, soil and silt sampling, line cutting, trenching, diamond drilling (L'Orsa, 1989a,b; Price, 1987), and both aerial and ground geophysical surveys (Scott, 1989; Sheldrake, 1985).

GEOLOGY

The claims lie on the Skeena Arch, near the southern edge of the Bowser Basin. The area has been mapped by Tipper (1976) and described by Tipper and Richards (1976) who have assigned the rocks to the Lower Jurassic formations of the Hazelton Group. These formations have been intruded locally by dioritic rocks, and by northwest-striking plagioclase porphyry dykes. Small occurrences of base and precious metals have been found in volcanic and intrusive rocks on the claims (L'Orsa, 1989a,b; Price, 1987).

DISCUSSION

This drill hole tested an IP anomaly (Scott, 1989) in felsic volcanic rocks at a locality where fracture-filling Cu-Pb-Zn-Ag and Ba mineralization have been found. Anomalous, but subeconomic, amounts of Ag, Cu, Pb, Zn, and other metals were discovered, mainly in a graphitic fault zone that appears to have caused the IP response. The fault zone marks the contact between amygdaloidal felsic volcanics and generally calcareous andesitic tuffs. Three corrected whole rock analyses of the felsic rocks plot near the rhyolite/trachyte boundary on a TAS diagram (Sabine, 1989), with two on the rhyolite side (4479, 4480) and one on the trachyte side (4481). Whole rock analyses (4482, 4483) of samples collected below the contact fault plot in the andesite field.

CONCLUSIONS

The drill hole tested an IP anomaly at a contact between amygdaloidal rhyolitic rocks and andesitic tuffs. The IP anomaly was generated by a graphitic fault zone, weakly mineralized at the point of intersection.

REFERENCES

- L'Orsa, A., 1989a, April group, Omineca Mining Division, British Columbia, diamond drilling report: Assessment Report 18909, 18 p.
- _____ 1989b, Chris group, Omineca Mining Division, British Columbia, diamond drilling report: Assessment Report 18910, 14 p.
- Price, B., 1987, Dome Mountain gold property (April, Chris, Mag, Fort, Ophir, Sally, Ben, West Dome claims): Report for Freemont Gold Corp., 25 p.
- Sabine, P.A., 1989, Setting standards in petrology: The Commission on Systematics in Petrology: Episodes, v. 12, p. 84-86.
- Scott, A., 1989, Geophysical report, induced polarization/resistivity surveys, Dome Mountain property, Smithers area, Chris, April 1, April 2, April 3, and Mag 1 claims ...: Assessment Report 19923, 16 p.
- Sheldrake, R.F., 1985, Report on a helicopter-borne multi-frequency electromagnetic and magnetometer survey in the Dome Mountain area, British Columbia: Assessment report 13707, 41 p.
- Tipper, H.W., 1976, Smithers map area, British Columbia: Geol. Survey of Canada, O.F. 351 (geological map).
- Tipper, H.W., and Richards, T.A., 1976, Jurassic stratigraphy and history of north-central British Columbia: Geol. Survey of Canada, Bull. 270, 73 p.

STATEMENT OF COSTS

DIAMOND DRILLING: 170.69 m (all included)....	\$13,212.36
GEOLOGIST: A. L'Orsa, supervision and report...	1,725.00
ANALYSES: 12 ICP and 5 whole rock.....	398.84
	<hr/>
	\$15,336.20

STATEMENT OF QUALIFICATIONS

I, Anthony T. L'Orsa of Smithers, British Columbia, hereby certify that:

1. I am a geologist with business address at Adams Road, R.R. 2, Smithers, B.C., V0J 2N0.
2. I am a graduate of Tulane University, New Orleans, Louisiana, U.S.A., with the degrees of B. Sc. (1961) and M. Sc. (1964) in geology.
3. I have practised my profession in mineral exploration since 1962 in western Canada, Australia and Mexico.
4. I am a fellow in good standing of the Geological Association of Canada, and a member of the Society for Geology Applied to Mineral Deposits.



Anthony L'Orsa

APPENDIX 1

Diamond Drill Logs

DIAMOND DRILL RECORD

NAME OF PROPERTY APRIL (Freemant Group)
 HOLE NO. A91-1 LENGTH 170.69 M (560 ft)
 LOCATION April 2 mineral claim
 LATITUDE _____ DEPARTURE _____
 ELEVATION 1115 m ± AZIMUTH 090° DIP -45°
 STARTED 18 April 1991 FINISHED 21 April 1991

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH

HOLE NO. A91-1 SHEET NO. 147

REMARKS _____

LOGGED BY A. L'ORSA

METRES		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	METRES			%	%	AU-PPB	Ag-PPM
					FROM	TO	TOTAL				
0	6.10	CASING (pulled)									
6.10	7.31	BARITE - QUARTZ VEIN. Coarse, white barite fills numerous fractures in white quartz vein. Small amounts of Fe & Mn Oxides. #4467 composite sample of vein ...	4467	20.1	6.4	7.3	6.90			5	0.2
7.31	75.65	RHYOLITE. Hematitic. Porphyritic. Approx. 1mm ($\pm 3\mu$) lath-shaped white feldspar crystals generally make up $\pm 2\%$ of the rock. The matrix is very fine-grained, & amygdaloidal. The amygdules are generally small (e.g. 1mm) & are megascopically difficult to identify. They are filled with clear quartz & have red hematite rims. Locally the amygdules are elongated, giving the rock a banded appearance.									

LANGRIGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY April (Freemant Group)
 HOLE NO. A91-1 SHEET NO. 2 of 7

METRES		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	METRES		%	%	OZ./TON	OZ. TON
					FROM	TO				
6.55	75.65	<p>RHYOLITE (cont.). Colour is almost always a shade of red, generally greyish red to blackish red. In places, the core is a mottled pale brownish red & blackish red. Locally the colour is medium grey. In & around fault zones, the rock is bleached to pale red, pale olive or light yellowish grey - especially 73.56-75.65 m where an extensive zone of faulting marks the base of the unit. The RQD is high, except in faults. See whole rock analyses # 4479, 4480 & 4481 in appendix.</p> <p>• Metallic Minerals. Very small amounts of chalcopyrite present in fracture - controlled disseminations, & diss. in barite - quartz veins. Few minor chalcopyrite - dark chlorite veinlets. Pyrite is found in very minor amounts as diss. & fracture fillings in fault zones. Specularite in minor diss. & local frac. fill. Red hematite is common. Rock is weakly magnetic locally.</p>								

DIAMOND DRILL RECORD

NAME OF PROPERTY April
 HOLE NO. A91-1 SHEET NO. 397

METRES		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	METRES			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
6.55	75.65	<p>RHYOLITE (cont.).</p> <ul style="list-style-type: none"> • Veins. <u>Barite - quartz</u> veins, some with mi. chalcopyrite in the vein & in wallrock, are present; notably at 22.25-22.33 m (60° to core axis), 30-30.4 (±2.5 cm wide, sub-parallel to core), 39.7-39.76, 43.93-43.96, 46.30-46.60 (@ 20° to C.A.), 48.11-48.22 (45° to CA), 51.80-52.33 (irregular fracture filling sub-parallel to CA), 54.35-55.20 (top contact @ 20° to core axis), <u>Carbonate</u> (Fe carb. → calcite) veinlets are common, 0-70° to CA generally, typically ≤ 1 cm in diameter. Includes gash veinlets. • Structure. Several fault zones are present & most contain fault gouge: 35.97-36.50 @ 40° to core axis. 39.28-39.38, 39.43-39.48, 40.80-40.90, 41.28-41.35, 41.64-41.67. 									

DIAMOND DRILL RECORD

NAME OF PROPERTY April
 HOLE NO. A91-1 SHEET NO. 4 of 7

METRES		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPHIDES	METRES		Cu ²	Pb ²	Au ppb	Ag ppm	Zn %	
					FROM	TO						TOTAL
6.55	75.65	<p>RHYOLITE (cont.).</p> <p>Elongated amygdules in places give the core a banded appearance, especially at 32.9 m (@ 55° to core axis), 43.60 - 48.0 (whole rock analysis #4481 - trachyte). Lowest evidence of banding noted at 51.60.</p> <ul style="list-style-type: none"> • Submit. 67.75 - 69.90 Tuff, andesitic to felsic. Dark red to dark grey. Weakly magnetic. clasts generally ≤ 1mm. Bottom contact at 30° to core axis. Looks like first appearance of unit below. • Analyses (ICP; Au fire + AA) <ul style="list-style-type: none"> #4468 - vein of white barite & white to clear quartz #4469 - pyrite in ≤ 1mm vein. Vfg py diss. in joints #4470 - barite fracture filling. Hi. diss. chalcopy. #4471 - sheared, bleached rhyolite; shear @ 35° to CA #4472 - contact fault zone. Graphite abundant. 60° to CA zone • RQD. High, except in fault zones. 										
			4468	0	19.51	19.53	2 cm	tr	tr	3	0.2	tr
			4469	≤ 1	27.58	27.68	10 "	tr	tr	2	0.4	0.046
			4470	< 1	54.86	54.96	10 "	0.069	tr	4	1.9	tr
			4471	≤ 1	75.23	75.33	10 "	tr	0.034	6	1.1	0.023
			4472	< 1	77.33	77.43	10 "	tr	0.019	14	3.5	0.586

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY April
 HOLE NO. A91-1 SHEET NO. 5 of 7

METRES		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPH IDES	METRES		%	%	OZ./TON	OZ./TON
					FROM	TO				
73.50	79.25	<p>FAULT ZONE. Marks the rhyolite / andesitic tuff contact & extends into both units. $\pm 40^\circ - 60^\circ$ to core axis. Highly altered \rightarrow light olive grey to yellowish grey. Much sheared. Local fault breccia. Local fault gouge, especially 75.50 - 76.20. Quartz - carbonate veins common. Minor very fine-grained disseminated pyrite & hematite. Local graphite (I.P. anomaly), & Local chlorite or slickensides. See ICP analyses # 4471 - 72 (above) & # 4473 (below).</p>								
75.65	170.69	<p>ANDESITIC TUFFS. Generally fine-grained in appearance (local lapilli "ghosts" suggest crypto coarse sections), & calcareous. Calcite is normally present in matrix & in veinlets. Local coarse lithic tuff with a few lapilli. Local, thin, crystal tuffs (feldspar gen. $< 1\mu m$) with lithic fragments & chlorite + quartz in matrix (dacite?). Marine fossil (?) @ 120M (paleopod, 1.4 x 0.8 cm, Pleuromyidae??). RQD high, except in fault zone.</p>								

DIAMOND DRILL RECORD

NAME OF PROPERTY April
 HOLE NO. A91-1 SHEET NO. 697

METRES		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH IDES	METRES			%	%	OZ./TON	OZ. TON
					FROM	TO	TOTAL				
75.65	170.69 (EOH)	<p>ANDESITIC TUFFS (cont.)</p> <ul style="list-style-type: none"> • colours. Med. light grey to greyish black. Med. light to med. grey predominate below 145 m. Includes local greenish grey to greenish black & dark tuff. • clasts. Includes pale olive, greenish grey & reddish clasts. Some of the reddish clasts are felsic. Angular to rounded. Some contain heavily diss. pyrite. • Metallic minerals. Pyrite common as vfg (e.g. 0.1mm) diss. Cubic & pyritohedral xls noted. Few narrow veinlets. Generally <1%, ≤5%. • Veins, gangue. Calcite veinlets, white to clear, are common. Rarely exceed 1 cm. Generally (?) 30°-45° to core axis; range 0°-90° in at least two populations. • structure. See fault zone above. <p>Fault breccia 87.35-87.34 @ 30° to core axis. --- 131.60-131.80 @ 45° ---</p> <p>Bedding. 80.30 @ 50° CA, coarse tuff. 109.73 " 40° " --- 129.66 " 40-30° " --- 133 " 10° " --- 138 " ±20-60° " ---</p>									

DIAMOND DRILL RECORD

NAME OF PROPERTY April
 HOLE NO. A91-1 SHEET NO. 7/7

METRES		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPHIDES	METRES			Pb%	Zn%	Au ppb	Ag ppb	
					FROM	TO	TOTAL					
75.65	170.69	ANDESITIC TUFFS (cont.). EDH										
		• Analyses (ICP).										
		# 4473 Contact fault zone. Composite, graphitic section	4473	≤ 1	78.75	79.25	0.5	0.04	0.27	3	2.9	
		# 4474 Pyrite, diss. & joint filling in dark red tuff.	4474	3	84.0	84.10	0.1	tr	tr	13	0.9	
		# 4475 Py, diss., most < 0.5 mm. CaCO ₃ diss. sheared grey tuff	4475	2	108.10	108.20	0.1	"	"	5	1.2	
		# 4476 Py, — " — — — — — med. dk grey tuff	4476	2	118.7	118.8	0.1	"	"	7	1.1	
		# 4477 Py, cubic, diss. & lining Qz veins. light olive grey tuff	4477	≤ 5	150.86	150.96	0.1	"	"	5	0.9	
		# 4478 Py, diss, vfg (± 0.1 mm), in vfg (clasts gen ≤ 0.2mm) med. light grey calcareous tuff. CaCO ₃ abundant in matrix.	4478	2	164.37	164.47	0.1	"	"	3	0.7	
		# 4482-3 : Whole rock, appendix.										

APPENDIX 2

Analyses

COMP: TEESHIM RESOURCES LTD.

PROJ: DOME

ATTN: A. L'ORSA

MIN-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7N 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: 15-0030-RJ1

DATE: 91/05/06

* CORE * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SM PPM	W PPM	CR PPM	AU-FIRE PPB
4467	.2	90	13	22	3903	.2	1	260	.2	2	4	1330	10	1	60	54	3	10	3	40	8	2	101	1	1	1.1	27	1	1	1	71	5
4468	.2	80	13	1	4051	.1	1	240	.1	2	2	2770	10	1	40	89	1	10	6	20	22	1	123	1	1	1.1	8	1	1	6	210	3
4469	.4	2090	12	12	1093	.5	1	14270	.6	18	16	21880	1870	1	5630	1925	7	10	2	390	16	1	12	1	1	7.5	456	1	1	5	165	2
4470	1.9	360	6	15	3344	.2	1	15830	.1	2	692	6340	320	1	410	392	1	10	1	230	23	2	106	1	1	4.5	41	1	1	1	41	4
4471	1.1	2600	14	12	774	1.1	1	63720	.1	14	64	30050	1860	1	40470	2304	1	10	9	390	342	18	152	1	1	20.0	229	1	1	1	47	6
4472	3.5	3150	232	12	277	1.0	1	56610	18.1	10	55	27670	1560	1	30390	1137	15	10	16	790	186	7	41	1	1	16.0	5864	1	1	1	64	14
4473	2.9	2930	92	14	253	.5	2	75670	12.1	7	24	21750	1310	1	10190	1086	22	10	16	1100	405	8	44	1	1	11.1	2717	3	1	1	71	3
4474	.9	22060	1	20	91	1.2	1	48340	.1	16	35	51680	2420	19	24040	468	1	10	5	2450	26	1	3	1	1	56.4	113	1	1	1	48	13
4475	1.2	19280	25	14	117	.7	1	65440	.1	19	23	40830	310	23	17320	832	1	10	19	2350	22	1	16	1	1	90.0	105	4	1	2	69	5
4476	1.1	8530	59	10	107	.4	2	77710	.1	10	21	21180	180	1	8870	888	1	10	11	4110	37	2	2	1	1	38.0	31	4	1	1	47	7
4477	.9	20140	40	8	54	.6	1	56430	.1	21	40	40760	270	7	23320	785	1	10	37	1720	29	1	9	1	1	116.8	268	1	1	2	95	5
4478	.7	1170	30	9	74	.2	1	66960	.1	7	13	9570	300	1	2860	436	1	10	10	1980	34	2	1	1	1	10.7	27	1	1	1	35	3



MIN-EN LABORATORIES
 (DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
 CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
 705 WEST 15TH STREET
 NORTH VANCOUVER, B.C. CANADA V7M 1T2
 TELEPHONE (604) 980-5814 OR (604) 988-4524
 FAX (604) 980-9621

THUNDER BAY LAB.:
 TELEPHONE (807) 622-8958
 FAX (807) 623-5931

SMITHERS LAB.:
 TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

1S-0030-RG1

Company: **TEESHIN RESOURCES LTD.**
 Project: DOME
 Attn: A. L'ORSA

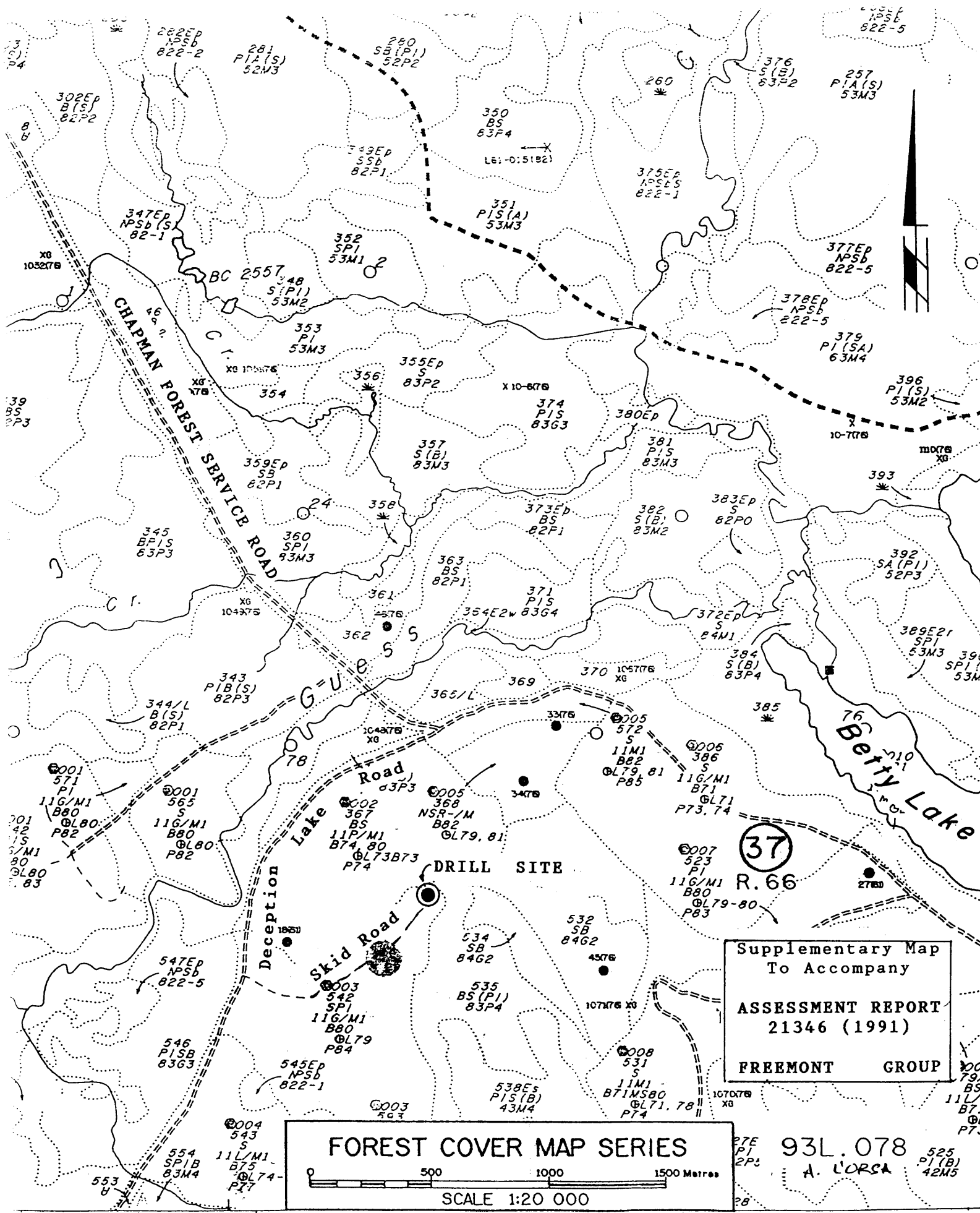
Date: **MAY-10-91**
 Copy 1. TEESHIN RESOURCES, OAKVILLE, ONTARIO
 2. TEESHIN RESOURCES, SMITHERS, B.C.
 3. MIN-EN LABS., SMITHERS, B.C.

We hereby certify the following Geochemical Analysis of 5 CORE samples submitted APR-23-91 by MIN-EN SMITHERS LAB.

Sample Number	LOI %	S %
4479	2.20	.02
4480	1.80	.02
4481	2.20	.01
4482	14.80	.48
4483	9.10	.31

Certified by _____

MIN-EN LABORATORIES



Supplementary Map
To Accompany
**ASSESSMENT REPORT
21346 (1991)**
FREEMONT GROUP

FOREST COVER MAP SERIES
0 500 1000 1500 Metres
SCALE 1:20 000

93L.078
A. LORCA