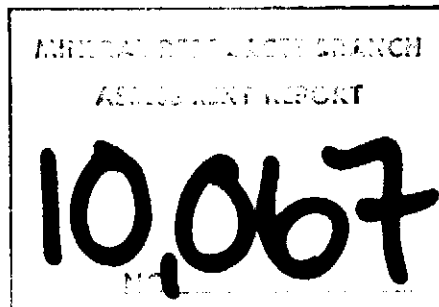


REPORT ON DIAMOND DRILLING
ON THE
SKEETER GROUP OF MINERAL CLAIMS
LIARD MINING DIVISION, B. C.

BY
A. I. BETMANIS, P.Eng.
FOR
TECK CORPORATION

Claims: P26, P30, P37-39, P41, P53
Record Numbers: 71336, 71340, 71437-49, 71351, 71363
Location: 57°27½'N, 130°57½'W.
N.T.S.: 104 G/7W
Owner: Teck Corporation
Operator: Teck Explorations Limited

Vancouver, B. C.



November 12, 1981

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INTRODUCTION

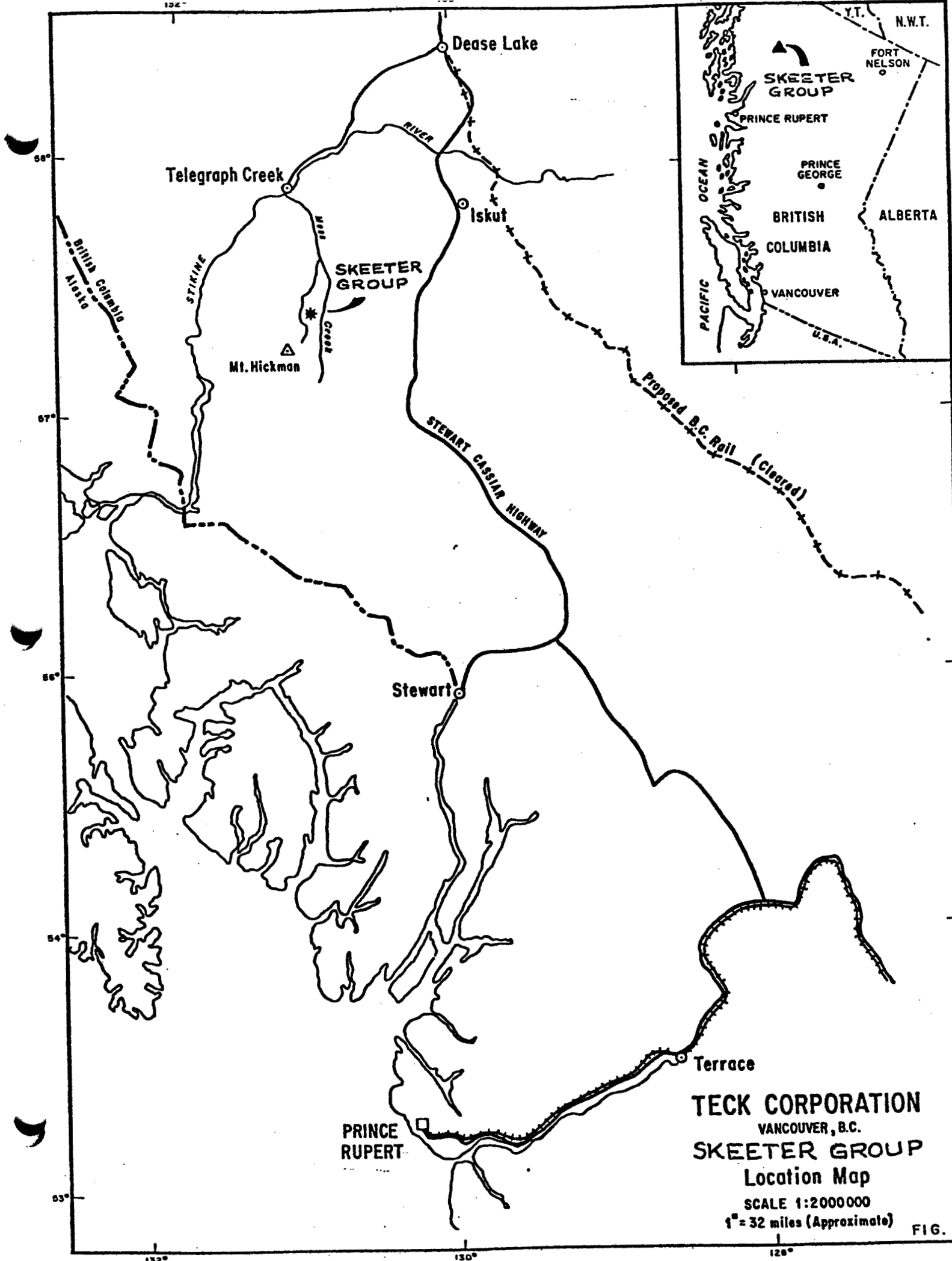
Teck Corporation are exploring the Schaft Creek porphyry copper-molybdenum deposit of Liard Copper Mines Ltd. in northwestern British Columbia. The Skeeter Lake valley located between Schaft and Mess Creeks, has been selected as the most likely location for tailings disposal from the deposit.

As part of the 1981 exploration program, Teck Explorations Limited contracted Phoenix Geophysics Ltd. to carry out an induced polarization survey in the Skeeter Lake valley. The results indicated several anomalous zones which were tested by drilling seven 400-foot deep diamond drill holes. This report covers the drilling results.

(a) Location and Access

The Skeeter Group of claims are located in a northerly draining valley between Schaft and Mess Creeks, approximately 55 km S10°E from Telegraph Creek and 75 km S55°W from Iskut, in the Liard Mining Division, B.C. Geographical co-ordinates of the centre of the geophysical grid are 57°27½'N, 130°57½'W (NTS 104 G/7W). Elevations vary from approximately 820 to 780 metres a.s.l.

Access to the property is by approximately 15 km of rough dirt road from the Schaft Creek gravel airstrip located in the Schaft Creek Valley by Hickman Creek. Alternately, float planes may land at Skeeter Lake located centrally in the claim group. For the purposes of the drilling a helicopter based at Schaft Creek was used to transport crews daily from the Schaft Creek camp to the drill. The drill was transported by pulling behind a D6 bulldozer.



(b) Property and Ownership

The Skeeter Group of mineral claims consists of 100 contiguous 2-post claims and units of metric claims as shown in Figure 2. The 2-post claims are held in the name of Teck Corporation under option agreement with Liard Copper Mines Ltd. and Hecla Operating company. The metric system claims (Swamp, Side Hill and Hill) were staked for Teck Corporation.

(c) Previous Work on Claim Group

During 1971 Hecla Operating Company performed a soil geochemical survey for copper, a ground magnetometer survey, and geological mapping of the Skeeter Lake valley using a cut and picketed grid with 500-foot line spacing (House, 1971). A few minor chalcopyrite showings were located and several small weakly anomalous soil areas outlined. The magnetometer survey helped correlation of geology.

In 1973 Hecla surveyed four reconnaissance induced polarization lines on the claim group. Possibly anomalous results were obtained on all four lines, but the lines were too widely spaced for correlation (Hallob and Bondie, 1973). In July and August, 1981 Teck Explorations Limited contracted Phoenix Geophysics Ltd. to survey 9.7 line miles of induced polarization on lines spaced 1,000 feet apart. (Betmanis, 1981, and Cartwright and DiSpirito, 1981). Several anomalous zones were identified for drill testings.

0 8,000 E 16,000 E 24,000 E 32,000 E



SCHAFT CREEK

SKEETER GROUP

GRAMP
(12 UNITS)

SIDE HILL
(6 UNITS)

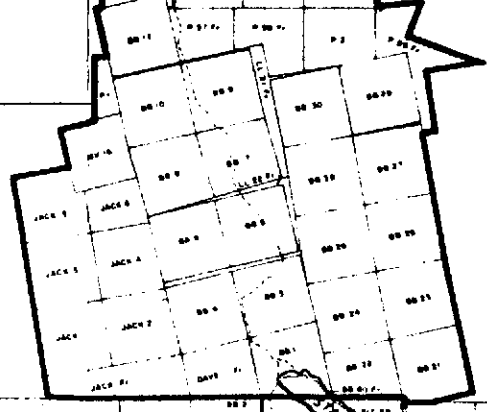
COT
(6 UNITS)
(ALIEN)

BULL
(3 UNITS)
(ALIEN)

LATE
(16 UNITS)

SKEETER
(20 UNITS)

START
(20 UNITS)



TECK CORPORATION

SCHAFT CREEK PROPERTY
LIARD M.D., B.C.

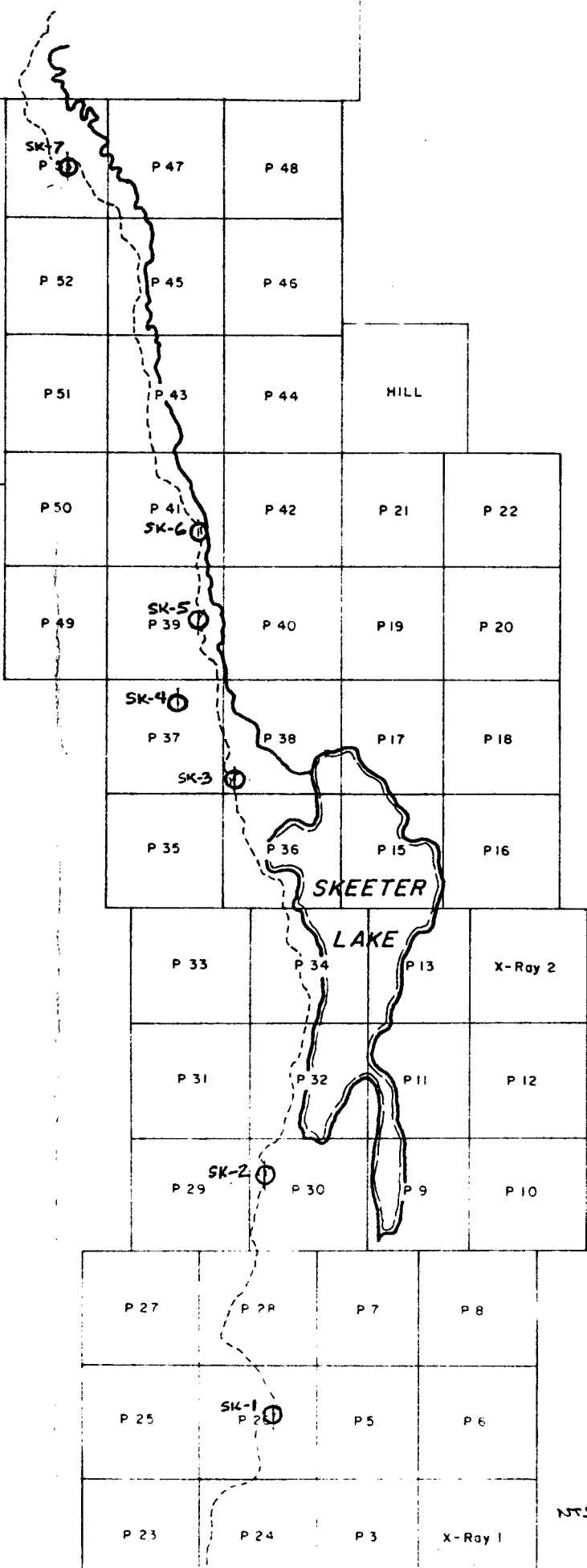
CLAIM MAP SKEETER GROUP



Scale in Feet
Project: AUG '80/ Map Ref: NTS 1048 SE/79 Date: Aug 11/81 FIG. 2

SWAMP
(12 UNITS)

SIDE HILL
(6 UNITS)



TECK CORPORATION
DRILL HOLE LOCATION MAP
SKEETER GROUP
SCHAFY CREEK AREA B.C.
Scale 1 inch = 2000 ft.
NTS: 1046/7W
Fig. 3

(d) Summary of Work Done and Claims Drilled

The claims drilled, and depths of drill holes are tabulated below. Locations of drill holes relative to claim boundaries are shown on Figure 3.

<u>DDH</u>	<u>Depth (ft.)</u>	<u>Claim</u>	<u>Record No.</u>
SK-1	400	P26	71336
SK-2	400	P30	71340
SK-3	400	P38	71348
SK-4	400	P37	71347
SK-5	400	P39	71349
SK-6	400	P41	71351
SK-7	327	P53	71363

Thirty-Two Albert Crescent Limited were contracted to do the drilling. The drilling commenced on August 29 and was completed on September 12. Core logging was not completed until the first week of October.

All holes were drilled vertically recovering NQ core. Drill hole collar co-ordinates shown on the attached geological logs are taken from the co-ordinate system used at the Schaft Creek deposit. Collar elevations were interpolated from topographical maps produced by Lockwood Survey Corp. Ltd. (now Pacific Survey Corp.) at a scale of 1 inch to 400 feet and 50-foot contour intervals.

The drill core was flown to the Schaft Creek camp where it was logged using the Geolog format developed by International Geosystems Corporation of Vancouver. Apart from a geological log, recoveries, fracture counts and rock quality designator (RQD the cumulative lengths of core over two and half time diameter) were recorded for each 10-foot length of core. Selected sections of drill core from each hole were split and the samples sent to Acme Analytical Laboratories for multi-element analysis by ICP.

The drill core is stored at the Schaft Creek camp in prefabricated core racks.

TECHNICAL DATA AND INTERPRETATION

Detailed diamond drill logs using the Geolog format are presented in Appendix A. Results of multi-element ICP analyses are given in Appendix B.

All drill holes cored andesitic fragmental rocks, pyroclastics, tuffs and flows. Anomalous induced polarization effects were explained variably by pyrite, magnetite, or graphite as summarized below.

Drill hole SK-1 was drilled on a resistivity low. It encountered sheared interbedded augite porphyry fragmentals and banded tuffs. Moderate metal factor values and low resistivity are explained by locally up to 1% pyrite and the strong shearing respectively. Occasional trace amounts of chalcopyrite occur.

Drill hole SK-2 was drilled on a high metal factor anomaly. Monolithic augite porphyry fragmental volcanics with up to 10% magnetite were encountered. Only trace amounts of pyrite and chalcopyrite were found. The I.P. anomaly is explained by the magnetite.

Drill hole SK-3 was drilled on metal factor and frequency effect anomalies. Andesitic flows and pyritic and graphitic tuffs were encountered with trace to 0.3% chalcopyrite. The I.P. is explained by pyrite and graphite.

Drill hole SK-4 was drilled on a possible extension of the anomaly tested by SK-3. Pyroclastic andesitic flows with up to 1% pyrite were intersected at the top of the hole and pyritic and graphitic tuffs at depth. The I.P. effects are explained by pyrite and graphite.

Drill hole SK-5 was drilled on an I.P. low in case adjacent I.P. highs were due to a pyritic halo surrounding economic mineralization. Andesitic flows and augite porphyry fragmentals were encountered with no appreciable sulphide mineralization.

Drill hole SK-6 was drilled to test co-incident strong metal factor and frequency effect anomalies. Augite porphyry fragmentals, pyroclastic andesites, and fine grained tuffs and flows were encountered. Mineralization consisted of approximately 1% pyrite, 1% magnetite, and minor pyrrhotite. Although a higher concentration of these minerals would have been expected from the I.P. results, the anomalous zone is interpreted as being narrow, and the drill hole may have penetrated only the edge of the anomaly.

Drill hole SK-7 was drilled on a high metal factor anomaly. Augite porphyry fragmental with 2½% disseminated magnetite and trace pyrite was encountered. Trace amounts of bornite occurred over a 20-foot interval. The anomalous I.P. values were probably due to magnetite.

ICP geochemical analyses of samples from the core did not indicate any significantly anomalous mineralization. Reasonably high magnesium and nickel values from some samples indicates that the serpentine mineral recorded in some of the drill holes is garnierite.

CONCLUSIONS

The anomalous induced polarization effects were produced by uneconomic mineralization. Although copper mineralization as trace to minor chalcopyrite and in one instance as trace bornite was encountered, the amounts are not unusual for volcanic fragmental rocks in the region.

The results of the drilling program indicate that economic mineral deposits are unlikely to occur in the Skeeter Lake valley.

Respectfully submitted



A. I. Betmanis, P.Eng.

November 12, 1981
Vancouver, B. C.

REFERENCES

- House, G.D. (1971): Geological, Geochemical, and Magnetic Surveys of the BB #31, MV #5 and MV #11 Claim Groups, Schaft Creek Area, B. C. for Hecla Operating Company; dated December 29, 1971; (submitted for assessment).
- Hallof, P.G., and Goudie, M. A. (1973): Report on the Induced Polarization and Resistivity Survey on the Schaft Creek Property, Liard Mining Division, B. C. for Hecla Operating Company; dated November 23, 1973 (submitted for assessment).
- Betmanis, A. I. (1981): Report on the Induced Polarization and Resistivity Survey on the Skeeter Group of Mineral Claims, Liard Mining Division, B. C. for Teck Corporation; dated October 22, 1981 (submitted for assessment).
- Cartwright, P.A. and DiSpirito, F (1981): Phoenix Geophysics Limited Report on the Induced Polarization and Resistivity Survey on the Skeeter Lake Property, Schaft Creek Area, Liard Mining Division, B.C. for Teck Explorations Ltd., Dated October 20, 1981

QUALIFICATIONS OF MICHAEL R. HAILSTONE

Michael R. Hailstone is a geologist residing at 17 Dacotah Avenue,
Toronto Islands, Toronto, Ontario;

Is a graduate of Concordia University with a B.Sc. degree in geology
(1975);

Since graduation has worked as a geologist in eastern and central Canada;

Between June and October, 1981 worked as a geologist for Teck Explorations
Limited logging drill core from the Schaft Creek mineral deposit and the
Skeeter Group of mineral claims.

AUTHOR'S CERTIFICATE

I, Andris I. Betmanis, do hereby certify that:

I am a geologist residing at 1988 Arroyo Court, North Vancouver, B. C. and am employed by Teck Explorations Ltd.;

I am a graduate of the University of Toronto with a B.A.Sc. degree in Applied Geology;

I am a registered member of the Association of Professional Engineers of the Province of British Columbia;

I have practised my profession in geology and mineral exploration continuously since 1965, and since 1970 in British Columbia;

During August and September, 1981 I supervised the diamond drilling program and core logging on the Skeeter Group of claims in the Schaft Creek area.


A. I. Betmanis, P.Eng.

APPENDIX A

DRILL LOGS

LEGEND OF GEOLOG SYMBOLS

Units

CASN	Casing
ØVER	Overburden
LØST	Lost Core
FAUL	Fault
ANTF	Tuffaceous Andesite
ANLP	Lapilli-size Fragmental Andesite
ANPF	Feldspar Porphyry Andesite
D/HB	Hornblende Porphyry Dyke
D/PF	Feldspar Porphyry Dyke

Minerals

AK	Ankerite	HB	Hornblende
AU	Augite	HE	Hematite
BI	Biotite	KF	Potassium feldspar
BØ	Bornite	MG	Magnetite
CA	Calcite	MØ	Molybdenite
CB	Carbonates	MU	Muscovite, sericite
CL	Chlorite	PF	Plagioclase feldspar
CP	Chalcopyrite	PR	Pyrrhotite
CY	Clay minerals	PY	Pyrite
EP	Epidote	QZ	Quartz
GR	Graphite	SE	Serpentine (garnierite var.)

Textural and Related Features

AG	Augen structured	FG	Fine grained
BD	Bedded	FL	Flow banded
BN	Banded	G;	Graded bedding
BR	Brecciated	MR	Marine
CA	Cataclastic	MX	Massive
CM	Chilled margin	PP	Porphyritic
C/	Contact	SH	Shear

Mineral Occurrence Mode

B	Blebs	Q	Patches
D	Dissemination	R	Rosettes, clusters
G	Gouge	U	Euhedral
J	Interstitial	V	Veins
∅	Spots	>	Macroveins
P	Pervasive	<	Microveins

Mineral Percentages

<u>Scale Value</u>	<u>Assigned Value</u>	<u>Scale Value</u>	<u>Assigned Value</u>
X	100%	=	5%
9	90%	+	2.5%
8	80%)	1%
7	70%	*	0.3%
6	60%	(0.1%
5	50%	-	0.03%
4	40%	.	0.01%
3	30%	0	Absent
2	20%	/	0.07% (?)
1	10%	?	Present ?

Colour Codes

A Gray G Green

Scale 1-9 for lightness, with 1 darkest, 5 medium, and 9 palest.

Fracture Intensity (FS)

Count of fractures in a typical one foot length of core from a 10 foot section. Sheared or gouged section is recorded as XX.

Rock Quality Designation (RQD)

The cumulative lengths of core within a 10-foot section which are unfractured for lengths greater than two and a half times the core diameter.

GEOFORM COLUMN LEGEND

GEOLOG SYSTEM
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GeO-DRM

IDENTIFY DATA	1	2	3	4	5	6	7	8	9	10	11	12	13	PAGE OF
Field Ref #	1	2	3	4	5	6	7	8	9	10	11	12	13	1 / 4

This Header is the I-DEN or ID-entry, which is activated by entering Key=I in Field (1) and Flag=DEN in (2). This entry identifies the Project ID in (4); the Drillhole/Traverse ID in (5); its size in (6); when geologged and by whom in (7); when drilled & by what co. or by whom in (8); surveyed by whom in (9); Co-ord System, if UTM, etc, in (10); Grid Azimuth, if the northings are not True N in (11); spare field, (12); and Page-Of- in (13).

IDENTIFY DATA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29						
Field Ref #	1	2	Centred @ C24/25										3	Centred @ C62/63										4											

This Header is the I-PRJ or IP-entry, which is activated by Key=I in (1) and Flag=PRJ in (2). It identifies the Company in (3) & Project in (4)-Page 1 only

SURVEY DATA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Field Ref #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29

This Header is the Initial Survey entry, which is activated by Key=S in (1), Flag=000 (2), From=0.0 (3) & To, in (4)=depth at which next azimuth & vert. angle are measured; (5) is for Total Depth/Length; (6)&(7) are for azimuth & vert. angle at the collar or initial point; and (9),(10)&(11) are for the co-ordinates of that point; and (8)= the Hash Total (=algebraic sum regardless of units) of the total depth, azimuth, vert. angle, Northing, Easting & Elevation, for clean data control. Note in particular that FROM is always dominant and is always used to mark the position of horizons and points of importance.

UPPER TIER GEODATA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Field Ref #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29

This is the Upper Tier Geodata Header, consisting of 3 parts -- The bottom part is the Upper Tier Scales(SCL) entry, required for declaring the Unit of Length in (4) = Mt.2 = metres with 2 places of decimals; in (5) are the units used for measuring recovery: could be MT.2. The middle part, Upper Tier Names (NAM) entry, is provided to allow the user to change the name of any field. Eg: to replace galena=GL in (27) with cassiterite=CT, enter CT immediately below GL in the /NAM-entry. Finally, the top part contains the abbreviated names of the 29 fields which will soon become very familiar: (5)=Core Recovery; (6)=Type Modifier; (7)=Percent Mix, using the G-Scale; (8)=Rock Type; (9)=Typifying Minerals 1 & 2; (10)=Qualifying Mineral 1; (11)=Textures 1 & 2; (12)=Grain Sizes -- FF=Fine Fraction, CF=Coarse Frac, %C=Percent Coarse, MP=Max Particle; (13)=Fracture Intensity: FI/s = FI of Steep Fracs, MI=Mineral Intensity of specified mineral or minerals, on all fractures; (14)=Ri=Repeat Interval: enter R if Repeat Interval or P if Principal Geologic Interval or D if Ditto Option or A if As-Above Option (explanation in GEOCODER); (15)=Mode Thickness T₁ of litho-feature identified in 16; (17)&(18)=Strike & Dip to right of planar feature or Strike & Plunge of linear feature, identified in 16; (19) to (28) = ten 2-column fields for default suite of alteration & ore-type minerals: quartz(QZ) biotite(BI) clay(CY) carbonates(CB) magnetite(MG) pyrite(PY) chalcocopyrite(CP) galena(GL) and any 2 minerals XX & YY, which may differ from interval to interval -- simply enter the 2-letter mineral code (with the How & Amount being entered immediately below in the Lower Tier entry); and (29)=Summary of alteration -- F_A = Alteration Facies, A_I = Alteration Intensity, M_Z = Metal Zone & I = Intensity of Mineralization.

LOWER TIER GEODATA	1	2	3	4	5	6	7	8	9a	9b	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Field Ref #	1	2	3	4	5	6	7	8	9a	9b	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29

This is the Lower Tier Geodata Header and, like the preceding Upper Tier Header, also consists of 3 parts for the same reasons. Note that MT.2 has been entered in (5) in the LSCL-entry, under RQD=Rock Quality Designation, indicating that if, say, 123 is entered in C18-20, the System will read this as 1.23m. The abbreviated Lower Tier Headings are: (5)=RQD, as above; (6)=Age or Formation; (7)=Environment of Emplacement; (8)=Rock-Type Qualifier=RTQ (use Short Form of Rock Type); (9a)=LC=Lightness-Colour Code, (9b)=Typifying Mineral 3, or (9)=LBHU Colour; (10)=Qualifying Mineral 2; (11)=Textures 3 & 4; (12)=Grain Characteristics: Sp=Degree of Sorting, R_N=Roundedness, S_H=Shape or Sphericity & O/C=Open/Closed Structure; (13)=Frac Intensity of Moderate & Low Fractures; (14)=Ri=Repeat Interval, as in 14 above -- enter R or D only if Lower Tier is repeated without the Upper Tier; (15)=Mode Thickness T₂ of litho-feature identified in 16; (17)&(18)=Strike & Dip to right of Structure 2, identified in 16; (19) to (28) = ten 2-column fields for default suite of alteration & ore-type minerals: K-spar(KF) muscovite(MU) chlorite(CL) epidote(EP) hematite(HE), the How & Amount of any mineral XX entered above, pyrrhotite(PR) molybdenite(MO), sphalerite(SL), and the How & Amount of any mineral YY entered above; and (29)=How₁ & How₂ of all alteration minerals and How₁ & How₂ of all ore-

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GEOFORM

FLAG		FORMAT		VERSION		SPEC		PROJECT		DRILLHOLE/TRAVERSE		GEOLOGGED		ASSY		DRI L L E D		RIG		DRILLING		SURVEYED		CC-980		GRID AZIMUTH		PAGE OF													
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<p>ALTERATION MINERALS COLUMN USED FOR MINERALS PRESENT IN THIS LOG CORE SHEARED THROUGHOUT HOLE THE GREEN TUFF CORED IN THIS HOLE IS PROBABLY THE LT GREEN SILTSTONE DESCRIBED BY HOUSE THE UNIT IS TERMED TUFF IN THIS LOG BECAUSE OF ITS SPATIAL RELATION WITH SHEARED MONOLITHIC AUGITE PORPHYRY FRAGMENTAL CASN</p>																																									
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DDH SK-1

GEOLOG SYSTEM
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GEOFORM

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RECOVERY	TM	MIN	ROCK	TM1	TM2	OM1	TX1	TX2	FC	RC	CM	PM	R	B1	STRAUC	ID	STRIKE	DIP	OR	RL
AGE	ENVIR	RBD	LC	GM2	TX3	TX4	Sr	Rn	Sh	Qc	F1	F2	R	B2	STRAUC	ID	AZM	DIP	OR	RL
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FLY		100	110	34																
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RSAM		140	150	149																

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GEOLOG SYSTEM
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GEOFORM

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PRJ	FROM	TO																03	27																
DRILLING PT						TOTAL DEPTH	LENGTH	A Z M	V-ANG	NEAR/DOWN	HASH TOTAL	ID	AZM	V-ANG	NO. 1	NORTHING	NO. 2	EASTING	NO. 3	ELEVATION															
HORIZON	FLAG	MOD	RECOVERY	T-MOD	ROCK	TM1	TM2	OM1	TX1	TX2	FI	CI	COMP	FIM	R/B1	STRUCT ID	STRIKE	DIP	TO RL	QZ	BI	CY	CB	MG	XX	PY	CP	GL	YY	FA	MA				
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L	FLT					196.5	200																												
R						200	210																												

DUT. 5X11

GEOLOG SYSTEM
International Geosystems Corporation

GEOFORM

KEY FLAG		FORMAT	SPEC	UNIQUE ID OF PROJECT OR SUB-PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE OR HOLE	GEOLOGGED		ASST	DRILLED		RIG	DRILLING	SURVEYED	CO-ORD	GRID AZIMUTH	PAGE OF								
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HORIZON	RECOVERY	I-MOD	ROCK	TM1	TM2	OM1	TX1	TX2	FR	CI	AP	M	R	B1	STRUC ID	STA KE	DIP TO RU	ALT	STRT	OS	BT	FR	DEF	SUITES	SUMMARY
FLAG	ROD	ENVIR	RSD	BHU	OM2	TX3	TX4	SAR	SN	FL	FI	FS	R	B2	STRUC ID	AZM	DIP TO RU	KF	MU	CL	EP	HE	PR	MO	SI
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R	216	2107	LARGE																						
FLT	2107	220																							
L	220	230	10																						
FLT	220	230																							
L	230	240	89																						
FLT	230	240																							
Z	240	250	10																						
FLT	240	248																							
L	250	260	89																						
FLT	258	258																							
L	260	270	10																						
FLI	266	267																							
	268	270																							
	270	270																							

S = Section 1 0 = Section 2 2 = Section 3 F = Section 4 0 = Alpha 0 1 = Alpha 1 2 = Alpha 2

DVI 0X11

GEOLOG SYSTEM
International Geosystems Corporation

GEOFORM

KEY FLAG		VERSION	SPEC	UNIQUE ID OF PROJECT OR SUB-PROJECT	DRILLHOLE/TRAVERSE	SIZE OF CORE	G E O L O G G E D		ASST	D R I L L E D		DRILLING	SURVEY	CO-ORD	GRID	AZIMUTH	PAGE	OF																					
I	DEN	6	B	0	2	0	1	S	C	H	A	E	T	R	I	K	H	S	K																				
PRJ	FROM	- TO -		TOTAL DEPTH/LENGTH	AZM	CLOCKW/	V-ANG	NEG IN	HASH TOTAL = TD + AZM + V-ANG + N + E + EL	NORTHING	NEG IN	EASTING	NEG IN	ELEVATION	NEG IN																								
HORIZON	RECOVERY	T-MOD	ROCK	TM1	TM2	OM1	TX1	TX2	F ₁ C ₁ P ₁ C ₂ M ₁ S	F ₁ M ₁	R ₁ B ₁	STRUC ₁	SPRIKE	DIP	TO RL	ALY	W ₁	OR	BY	OR	BY	OR	BY	OR	BY	OR	BY	OR	BY	OR	BY	OR	BY	OR	BY	OR	BY	OR	BY
FLAG	ROD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD
FLAG	ROD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD	ENVIR	BD
✓	L			270	280	96	48	ANL PAUSE	EAU3CAFL	2748		P	SH	75																									
✓	L			272	279			XANTIF	SEI	2670		R	SH	60																									
✓	L			270	280			XFAUL				R	SH	40																									
✓	L			280	290	96	53	ANTIFE	SEI CABR			P	SH	50																									
✓	L			280	290			5 FAUL	EG	30		R																											
✓	L			290	300	95	7					A	SH	60																									
✓	L			290	300			5 FAUL		35																													
✓	L			300	310	91	18			BN	40	A	BN	70																									
✓	L			300	303.5			5 ANL P				R	SH	60																									
✓	L			300	310			8 FAUL				R																											
✓	L			310	320	95	24				50	A																											
✓	L			310	320			XANL P				R																											
✓	L			310	320			5 FAUL				R																											
✓	L			320	330	94	0	ANL PAUSE	EAU3CAFL			P																											
✓	L			220	330			XFAUL	SEI	XX		R																											

DDI SK-1

GEOLOG SYSTEM
International Geosystems Corporation

GEOFORM

KEY	FLAG	FORMAT	VERSION	SPEC	PROJECT	TRaverse	SIZE OF CORE	LOGGED	ASST	DRILL	DATE	TIME	GRID	AZIMUTH	PAGE	OF
1			680201		SCHAFFT	CHSK2	N014	SEP81	MH		02	SEP81	GRD	0.0	01	07
TECK CORPORATION SCHAFFT CREEK LAIRD DISTRICT 11252																
1	PRJ	FROM	-	TO	TOTAL DEPTH	LENGTH	AZM	V-ANG	DOWN	NORTHING	EASTING	ELEVATION				
S		000		400	400		0	-90		56100	15750	2740				
RECOVERY: T-MOD, ROCK, TM1, TM2, OM1, TX1, TX2, FC, FCMA, FI, MI, R1, B1, ID, STRUC, AZM, DIP TO RH, QZ, BI, CY, CB, MG, XX, PY, CP, GL, YY, SUMMARY, FA, (M2)																
LH: RECOVERY, T-MOD, ROCK, TM1, TM2, OM1, TX1, TX2, FC, FCMA, FI, MI, R1, B1, ID, STRUC, AZM, DIP TO RH, QZ, BI, CY, CB, MG, XX, PY, CP, GL, YY, SUMMARY, FA, (M2)																
A: RECOVERY, T-MOD, ROCK, TM1, TM2, OM1, TX1, TX2, FC, FCMA, FI, MI, R1, B1, ID, STRUC, AZM, DIP TO RH, QZ, BI, CY, CB, MG, XX, PY, CP, GL, YY, SUMMARY, FA, (M2)																
R11ED 0 27 ALTERATION MINERALS COLUMNS USED FOR MINERALS PRESENT.																
CASIN																
27 30 12 ANLPAUMGAU2 2647 P Q* K01																
5 4A MG1 2670 2 JKT																
PYROCLASTIC PUMICE FLOW CONTAINING PUMICE FRAGMENTS RICH IN																
MAGNETITE AND AUGITE																
30 40 65 A SH 50KH K-																
32 MONOLITHIC AUGITE PORPHYRY FRAGMENTAL ANDESITE THROUGHOUT HOLE																
40 50 31 A SH 6500 K)																
0 MIS-LATCHI AT 48 FT																
50 60 84 A SH 65 KH SE																
44																
60 70 96 A SH 50 00																
73 00																

DDI SK-12

GEOLOG SYSTEM
International Geosystems Corporation

GEOFORM

KEY FLAG		FORMAT	SPEC	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	G E O L O G G E D		ASST	D R I L L E D		R I G	DRILLING	SURVEYED	CO-ORD	GRID AZIMUTH		PAGE	OF															
I	DEN	6	B	0	2	0	1	S	C	H	A	F	T	8	C	H	S	K	2															
PRJ	FROM	TO	TOTAL DEPTH/LENGTH	A Z M	CLOCKWISE	V-ANG	NEG IF	HASH TOTAL	TD	AZM	V-ANG	N+E	E L	NORTHING	NEG IF	EASTING	NEG IF	ELEVATION	NEG IF															
HORIZON	RECOVERY	T-MOD	%	ROCK	TM1	TM2	OM1	TX1	TX2	FF	CF	PC	CM	PS	MI	R1	B1	STRUCT	STR	DIP	TO	R1	QZ	BI	CY	CB	MG	XX	PR	MO	SL	How	How	
FLAG	ROD	AGE	ENVIR	FRD	LA	COLOUR	OM2	TX3	TX4	SR	RN	SH	%	FI	FI	R1	B2	STRUCT	STR	DIP	TO	R1	KF	MU	CL	EP	HE	How	How	How	How			
L	120	140	82	30	ANL PAUMG AU2					2647						P	SH		50															
L	140	150	85	56	AA	MG1				2677									6	A	SH	60												
L	150	160	92	23															10	A														
L	160	170	72	07																17	A													
L	170	180	69	24																														
L	180	190	98	21																														

DDH SK-2

GEOLOG SYSTEM
International Geosystems Corporation

GEOFORM

I	KEY FLAG		PROJECT		DRILL HOLE / TRAVERSE		SIZE OF CORE		G E O L O G G E D		ASST		D R I L L E D		R.I.G.		D R I L L I N G		S U R V E Y		C O - O R D		G R I D		A Z I M U T H		P A G E						
	IDENT	FORMAT	UNIQUE ID	PROJECT	PRE-FIX	TYPE	NUMBER	OF	HOLE	MONTH	BY	DRILLER	MONTH	YEAR	TYPE	TIME	DRILLING	SURVEY	CO-ORD	GRID	AZIMUTH	NO	OF	SUBSECT	NO	OF	SUBSECT						
1	TPRJ	FROM - TO	TECKI CORPORATION	NOV 15	SEP 81	MH			04	SEP 81					GRD	0.0												0108					
S	SS	100	0	400	400	0																											
L	RECOVERY	TMOD	ROCK	TM1	TM2	OM1	TX1	TX2	Fc	Cp	Cmp	F	Mi	R1	B1	STRUC ID	STRUC AZM	DIP	DR	ALT	FRAY	US	QZ	BI	CY	CB	MG	XX	PY	CP	GL	YY	SUMMARY
A	17		FT																														
<p>RHE D AL TER A T I O N M I N E R A L S C O L U M N S U S E D F O R M I N E R A L S P R E S E N T</p> <p>0 14 CASN P</p> <p>14 14.5 OVER P</p> <p>14.5 20 41 ANFFGR FGBN P BN GOKC < > < > 0-</p> <p>22 34</p> <p>REAM 17 FT</p> <p>20 30 82 DD MXFG 14 A <<</p> <p>34 56 RI</p> <p>30 40 95 ANDS G, A <<</p> <p>57</p> <p>36 40 XANLP G, 2626 4 R</p> <p>5458</p> <p>SUBAQUEOUS PYROCLASTIC FLOW WITH DOWN HOLE GRADING 30 TO 150 FT</p> <p>40 50 94 ANLP G, 2637 A</p> <p>45 5458 6</p> <p>45 50 XD/HBHPFB/PPCM 61 R << 0-0-</p> <p>SEQUENCE FROM 14.5 TO 150 FT IS GRADED FROM FINE ASH FALL MATERIAL AT 14.5 FT TO FRAGMENTAL FLOW AT 45 FT LENDING EVIDENCE OF SUBAQUEOUS PYROCLASTIC FLOW</p>																																	

DDI SK-3

GEOLOG SYSTEM
International Geosystems Corporation

GEOFORM

KEY FLAG		VERSION	SPEC	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	G E O L O G G E D		ASST	D R I L L E D		R I G	DRILLING	SURVEY	CO-ORD	GRID AZIMUTH		PAGE	OF																				
I	DEN	6	B02	01	SCHAFFNER	18	12	1	3	1	1	1	1	1	1	1	1	02	08																				
I	PRJ	FROM - TO -			TOTAL DEPTH/LENGTH	A Z M	CLOCKW	V-ANG	NEG IN	HASH	TOTAL	TD-AZM	V-ANG	N-E-EL	NORTHING	NEG IN	EASTING	NEG IN	ELEVATION	NEG IN																			
S	TURNG	PT																																					
HORIZON	FLAG	RECOVERY	TMOD	ROCK	TM1	TM2	OM1	TX1	TX2	FF	CF	CM	FI	MI	R1	B1	STRAUC	ID	STAKE	DIP	TO	RL	QZ	BI	CY	CB	MG	XX	PY	CP	GL	YY	FA	IM	IZ	IS			
L	AN	SCN	ROD	FR	ENVIR	BRD	LC	CM2	TX3	TX4	SR	SN	Q	FI	FI	R1	B2	STRAUC	ID	AZM	DIP	TO	RL	KF	MU	CL	EP	HE	PR	MO	SL	How	Ans	How	Ans				
A	HL	SLN																																					
/			50	60	92																																		
/			59	60	55																																		
	RSAM																																						
/			60	70	10																																		
/					57																																		
	RR																																						
/			70	80	77																																		
/					47																																		
	RR																																						
/			80	90	95																																		
/					49																																		
	RY																																						
/			90	100	76																																		
/					17																																		
	LL																																						
/			90	95																																			
/																																							
	LL																																						
/			100	110	99																																		
/					40																																		
	LL																																						

DDI SK-3

GEOLOG SYSTEM
International Geosystems Corporation

GEOFORM

I	PRJ	FROM	TO	TOTAL DEPTH/LENGTH	AZM	DIP	V-ANG	NEO IF DOWN	HASH TOTAL TO-AZM+V-ANG+N-E-BI	NORTHING	EASTING	ELEVATION	PAGE	OF															
															RECOVERY	1-MOD	%	ROCK	TM1	TM2	OM1	TX1	TX2	Fc	Pc	CM	FIM	R1	B1
1	DEN 6 B 0 2 0 1	SCHAFF	CH	SK3									63	8															
1	PRJ	FROM	TO	TOTAL DEPTH/LENGTH	AZM	DIP	V-ANG	NEO IF DOWN	HASH TOTAL TO-AZM+V-ANG+N-E-BI	NORTHING	EASTING	ELEVATION	PAGE	OF															
1	110	120	86	ANLPAD	AV16;	62	P																						
1	110	120	24	CONSENING	DOWN HOLE FROM	ASH FALL	FLOW TOP AT	110, 113 AND																					
1	120	130	90	D/HBDFH	BHBI	CABR	61	P SH		30																			
1	120	130	35	SR	PF2CM		14																						
1	130	140	80	D/PFPF	PF2CABR	52	P																						
1	130	140	20		CM		12																						
1	140	150	92				4	A																					
1	140	150	60																										
1	150	160	83	ANTFOG	000CABR		10	A SH		30VD																			
1	150	160	24	GA	FGBN																								
1	150	160		BLEACHED	ENVELOPES AROUND	SULPHIDE VEINS	150 TO 220 FT																						
1	160	170	97				B	A																					
1	160	170	26																										

DD1 SK-3

GEOLOG SYSTEM
International Geosystems Corporation

GEOFORM

KEY FLAG		FORMAL SPEC	UNIQUE ID OF PROJECT OR SVR-PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	LOGGED	ASSY	DRILLER	RIG	DRILLING SURVEYED	CO-ORD	GRID AZIMUTH	PAGE OF														
PRJ	FROM	TO	TOTAL DEPTH	LENGTH	AZM	CLOCKWISE FROM 0°	V-ANG	WAD IN DOWN	NASH TOTAL	TD	AZM	V-ANG	N	E	ELEVATION												
HORIZON	RECOVERY	TMOD	ROCK	TM1	TM2	OM1	TX1	TX2	FR	NC	MI	R1B1	STRIKE	DIP TO RU	RT	QZ	BI	CY	CB	MG	XX	PY	CP	GL	YY	FA	MZ
L	170	180	94																								
			41																								
A	180	190	84																								
			36																								
L	190	200	89																								
			55																								
A	200	210	76																								
			09																								
L	210	220	83																								
			16																								
L	220	230	55																								
			13																								
L	227	230																									

DDI SK-3

L A L A L A

GEOLOG SYSTEM
International Geosystems Corporation

GEOFORM

KEY FLAG		FORMAT	SPEC	UNIQUE ID OF PROJECT	DRILLHOLE / TRAVERSE	SIZE OF CORE	G E O L O G G E D	ASST	DR I L L E D	R I G	DRILLING	SURVEYED	CO-ORD	GRID AZIMUTH	PAGE	OF																
DEN 6 B 0 2 0 1		SCHAFTRICKASKS													05	08																
PRJ	FROM	TO	TOTAL DEPTH/LENGTH	A Z M	CLOCKWISE TRUE W	V-ANG	NEO IF DOWN	HASH TOTAL = TD + AZM + V-ANG + N + E + EI	NORTHING	NEO IF SOUTH	EASTING	NEO IF WEST	ELEVATION	NEO IF SUB-SEA																		
HORIZON FLAG	TURNING PT 1000-CENTIM	RECOVERY	T-MOD	% MIN	ROCK	TM1	TM2	OM1	TX1	TX2	GRAIN F ₁ C ₁ P ₁ M ₁ F ₁ M ₁	R ₁ B ₁	STRUC ID	STRUC AZM	DIP TO RL BY PLUMB	ATTEN QZ	BI	CY	SYNER CB	MG	XX	PY	CP	GL	YY	FA	IM	Z	SUMMARY			
ZONE FLAG	NAM	ENVIR	RED	RECOV	ENVIR	OM2	TX3	TX4	SR	RN	SH	%	F ₁ F ₁	R ₁ B ₂	STRUC ID	AZM	DIP TO RL BY PLUMB	KF	MU	CL	EP	HE	HowAm	PR	MO	SL	HowAm	How	How			
GRAPHIC	ANY ZONE FLAG OR FLAG CODES, MAX OF MIN	SS Sample Serial No	AT	SS A1	SS A2	SS A3	SS A4	SS A5	SS A6	SS A7	SS A8	SS A9	SS A0	SS A1	SS A2	SS A3	SS A4	SS A5	SS A6	SS A7	SS A8	SS A9	SS A0	SS A1	SS A2	SS A3	SS A4	SS A5	SS A6	SS A7	SS A8	SS A9
L	230	240	77	AR	ANLPPFAU=CABR						75	P																				
L	240	250	97	83	ANPFAUPFAU=CABR							P																				
L	250	260	93	62	FINE GRAINED MATRIX WITH 5% AU AND 10% PF PHENOCRYSTS MAY BE							A																				
L	260	270	90		CRUDE GRADING 88% TO 355							R																				
L	263	264.7	66		XANTFAUPFAU=FGPP							R																				
L	270	280	10	62								A SH																				
L	280	290	98	83								A																				

DDI SK-3

GEOLOG SYSTEM
International Geosystems Corporation

GEOFORM

REV	FLAG	FORMAT	SPEC	UNIQUE ID OF PROJECT	DRILL HOLE / TRAVERSE	SIZE OF CORE	G E O L O G G E D	ASST	D R I L L E D	R I O	DRILLING	SURVEYED	CO-ORD	GRID	AZIMUTH	PAGE	OF																		
1	DEN	8	B02	01	SCHAFFTS/CH/SK3											06	08																		
PRJ	FROM	TO	TOTAL DEPTH	LENGTH	AZM	GLOG#	V-ANG	NEG'D	HASH	TOTAL	ID-AZM	V-ANG	N+C	E-L	NORTHING	NEG'D	EASTING	NEG'D	ELEVATION																
HORIZON	RECOVERY	TMOD	%	ROCK	TM1	TM2	OM1	TX1	TX2	F ₁	C ₁	COMP	F ₁ M ₁	R ₁ B ₁	STRAUC	DIP	DIP TO RL	QZ	BI	CY	CB	MG	XX	FOR	DIFF	STRES	EM	ARY	FA	IN	Z				
FLAG	ROD	EDGE	ENVIR	RED	COLOUR	OM2	TX3	TX4	Sr	Rn	Sw	Qc	F ₂ F ₁	R ₂ B ₂	STRAUC	DIP	DIP TO RL	KF	MU	CL	EP	HE	How	PR	MO	SI	How	How	How						
L	290	300	99	85	AN/PFAU/PFAU/									3	P	SH	50KC		R=R	K*															
L	300	310	90	72										7	A																				
L	3018	305			XAN/PFAU/PFAU/										R																				
L	310	320	91	64	D/PFAU/PFAU/									5	P	C/	50K)																		
L	315	320			XANLP									6	R																				
R					LARGE LAPILLI																														
L	320	330	95	66	D/PFAU/PFAU/									5	P	C/	50K)																		
L	330	340	10	72	ANLP									4	P																				
L	330	333			XO/PF									4	R	C/	70																		
R					LARGE LAPILLI																														
L	340	350	10	71	PORPHYRITIC									4	A																				

LOG SK-3

INTERNATIONAL GEOSYSTEMS CORPORATION		LOCAL SITE ENTRANCE		IDENTITY OF PROJECT (OR SUB-PROJECT NUMBER)		ID OF DRILLHOLE/TRAVERSE		SIZE OF CORE OR HOLE		GEOLOGED		ASST		COMPLETED		DRILLING BY		STARTED		COMPLETED		DRILLING		SURVEYED		COORD. SYSTEM		GRID AZIMUTH		PAGE			
FLAG		FORMAT VERSION		SPEL		PRE. PR. TYPE NUMBER		GEOLOGED		BY		ASST BY		COMPLETED NAME DD		DRILLING		STARTED		COMPLETED		DRILLING TIME HRS		SURVEYED BY		COORD. SYSTEM		GRID AZIMUTH		PAGE			
I	1	I	E	N	6	B	D	2	D	2	SCHAFH		TRICHWSKB																0208				
TURN CPT DMS COBAS		FROM		TO		MT/FT		TOTAL DEPTH/LENGTH		AZM		CLOCKWISE FROM TRUE N		V-ANG		NEG # DOWN		HASH TOTAL = F + I + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS		NORTHING		NEG # SOUTH		EASTING		NAD # WEST		ELEVATION		MET. N. SUM. SE			
FLAC		RECOVERY		Tare		ROCK		TYPIFYING MINS		CALIBAT		TEXTURES		GRAIN		FRACTURE		STRUCT		STRIKE		DIP		ALTRATION & MINERALIZATION		DEFAULT SUITES		SUMMARY					
N A M S C I		Unit of Recor		M or F		RECOV		ACG KIND		ENV		RTO		C BPH		FAL		C2M2		T2+		T2+		D+		D+		D+		D+		D+	
FLAC		RECOVERY		Tare		ROCK		TYPIFYING MINS		CALIBAT		TEXTURES		GRAIN		FRACTURE		STRUCT		STRIKE		DIP		ALTRATION & MINERALIZATION		DEFAULT SUITES		SUMMARY					
N A M S C I		Unit of Recor		M or F		RECOV		ACG KIND		ENV		RTO		C BPH		FAL		C2M2		T2+		T2+		D+		D+		D+		D+		D+	

PYRITE RICH GRANITIC FINE GRAINED Banded Tuff FROM 14.5 TO 20 FT. PYROCLASTIC SUBAQUEOUS ANDESITE FLOW WITH GRADED BEDDING COARSNING DOWN HOLE TO 150 FT. 150 TO 227 FT. FINE GRAINED Banded Tuff CATACTASTICALLY BRECCIATED. METACLASTIC PYROCLASTIC FLOWS WITH AUGITE AND PLAGIOCLASE PORPHYRY FLOWS INTERCALATED. 227 TO 400 FT.

HORNBLINDE PORPHYRY DIKES BETWEEN: 90 AND 95 FT, 120 AND 130 FT, 145 AND 50 FT.

PLAGIOCLASE PORPHYRY DIKES BETWEEN: 120 AND 130 FT, 320 AND 330 FT.

ASSAY SAMPLES ON 10 FT INTERVALS BETWEEN: 14.5 AND 50 FT, 130 AND 220 FT.

SAMPLES SENT TO ACME ANALYTICAL FOR 26 ELEMENT ICE CU AND AN BY ME.

SAMPLE FROM 14.5 FT TO 20 FT AND SAMPLES ON 10 FT INTERVALS BETWEEN 20 AND 50 FT AND 130 AND 220 FT.

TOTAL 13 SAMPLES

Checked for conformity
A. Bethanis P Eng

↓
R SUM

S = Alpha 0 = Zero 1 = One 2 = Two 7 = Seven 8 = Alpha O = Alpha 1 = Alpha Z = Alpha Z

FLAG		FORMAL VERSION	SPEL	IDENTIFY PROJECT OR SUB PROJECT (UNCLAS)	ID OF DRILL HOLE / TRAVERSE	SURF OF CORE OR HOLE	GEOLOGID	ASSY BY	COMPLETED	DRILLING BY	STARTED	COMPLETED	DRILLING TIME HRS	SURVEYED BY	CSI LOG SYSTEM	GRID AZIMUTH	PAGE						
DE	NR	0	8	2	0	2	SC	MA	FT	TR	1	CH	SK	4			02	07					
TURN/PT	FROM	TO	MT/FT	TOTAL DEPTH (INCH)	AZM	CLOCKWISE	V-ANG	INC IP	HASH TOTAL	NORTHING	EASTING	ELEVATION	ALTERATION & MINERALIZATION										
000-LOG#	Marking of Feature	Marking of Feature				ARISE TRAIL N	DOWN		1-10 + AZM + V-ANG + N + E + BL	NEG IF SOUTH	NEG IF WEST	NEG IF SOUTH	CE	BI	MG	IN	PT	CP	CA	VT	SS	AI	MS
UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	70	80	10	84																			
2	80	90	10	84																			
3	90	100	10	84																			
4	100	110	10	84																			
5	110	120	10	84																			
6	120	130	10	84																			

S = Alpha 5 0 = Zero 1 = One 2 = Two 3 = Seven 4 = Alpha 0 1 or 1 = Alpha 1 2 = Alpha 2 3 = Alpha 3 4 = Alpha 4 5 = Alpha 5 6 = Alpha 6 7 = Alpha 7 8 = Alpha 8 9 = Alpha 9

FLAG		FORMAT VERSION	SYSE	IDENTITY OF PROJECT (FOR NEW DRILLING LOGS)	ID OF DRILLHOLE TRAVELER PRE FIX	TYPE NUMBER	SIZE OF CORE OR HOLE	GEOLOGED BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED MM DD	COMPLETED MM DD	DRILLING TIME HRS	SURVEYED BY	CO ORD SYSTEM	UNIT/DEPTH	PAGE	IN	
1	1	DEN	6 B D 2 D J	SCHAFF	T811	CHSK4												03	07	
TURN CPT 000 - 1 Offer		FROM	TO	MT/FT	TOTAL DEPTH-LENGTH	A Z M	CELE BWRM FROM TRUE N	V-ANG	NEG R DOWN	HASH TOTAL = F L + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING	NEG S SOUTH	EASTING	NEG W WEST	ELEVATION	NEG S SEA	SUMMARY			
FLAG	RECOVERY	RECOVERED	RECOVERED	RECOVERED	RECOVERED	RECOVERED	RECOVERED	RECOVERED	RECOVERED	RECOVERED	RECOVERED	RECOVERED	RECOVERED	RECOVERED	RECOVERED	RECOVERED	RECOVERED	RECOVERED	RECOVERED	RECOVERED
UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT
L	130	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140
L	140	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
L	150	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
L	160	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170
L	170	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
L	180	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190

S = Alpha 5
 0 = zero
 1 = One
 2 = Two
 7 = Seven
 Ø = Alpha 0
 I = Alpha 1
 Z = Alpha 2

ENTER PERSONNEL & EQUIPMENT ENTRIES	FORMAL VARIATION	SPEC	IDENTIFY THE PROJECT OR SUB PROJECT NUMBER	ID OF DRILLHOLE TRAVERSE POINT	TRAVERSE MEMBER	SIZE OF CORE OR HOLE	YY	GEOLOGICAL DO	BY	ASST BY	COMPLETED MM	DD	DILLING BY	TT	STARTED MM	DD	COMPLETED MM	DD	DILLING TIME HRS	SURVEYED BY	COORD SYSTEM	GRID AZIMUTH	PAGE	NO
D E N 6 B O 2 0 2	SCHAETTL	TALCHASKA																					3A07	
TURN POINT	FROM	TO	ANT/FI	TOTAL DEPTH/LENGTH	AZIM	CLOCKWISE FROM TRUE N	V-ANG	NEG DOWN	HASH TOTAL = F + T + D + AZM + V-ANG + N + E + L NOT INCLUDING ANY BLANK FIELDS	NORTHING	NEG. SOUTH	EASTING	NEG. WEST	ELEVATION	NEG. IF SUB-SEA									
FLAG	UNIT OF RECOR	RECOVERY	LITH	ROCK	TEXTURE	GRAIN	FRACTURE	STRUCT	STRE	DIP	DIP	DIP	DIP	DIP	DIP									
UNIT OF RECOR	RECOVERY	LITH	ROCK	TEXTURE	GRAIN	FRACTURE	STRUCT	STRE	DIP	DIP	DIP	DIP	DIP	DIP	DIP									
L	100	200	10	ANMP PF	PF2 FGPP	3	P BD	40	52	R*	K+	HED*	AD											
L	200	210	10	ANMP PF	PF2 FGPP	3	A BD	40																
L	210	220	10	ANMP PF	PF2 FGPP	5	A BD	40																
L	220	230	10	ANMP PF	PF2 FGPP	3	P CI	60																
L	236	240	10	ANMP PF	PF2 FGPP	3	A																	
L	240	250	10	ANMP PF	PF2 FGPP	4	P																	

1 = Alpha Z
 2 = Alpha Z
 3 = Alpha O
 4 = Alpha O
 5 = Alpha S
 6 = Alpha S
 7 = Seven
 8 = Seven
 9 = Seven
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KIT	FLAG	FORMAL VERSION	SPEC	IDENTIFY OF PROJECT (W/SUB PROJECT/UM/REV)	ID OF DRILLHOLE TRAVERSE NUMBER	SIZE OF CORE FOR HOIST	GREEN/BLACK	BY	ASSY BY	COMPLETED MM	COMPLETED DD	DRILLING BY	STARTED MM	STARTED DD	COMPLETED MM	COMPLETED DD	DRILLING TIME HRS	SURVEYED BY	CG GND SYSTEM	GRID AZIMUTH	PAGE	OF
S	D E N	6 8 0 2 0 2	0 2	SCHAEFER	T81CHSK4																05	17
TURN CPT	FROM	TO	MT/FT	TOTAL DEPTH/LENGTH	A 2 M	C/O GRWTH FROM TRUE N	V-ANG	NEG IF DOWN	NORTHING	NEG IF SOUTH	EASTING	NEG IF WEST	ELEVATION	NEG IF SEA								
UNIT OF LENGTH	UNIT OF RECOVER	UNIT OF RECOVER	RECOVERY	T _{REC} %	ROCK	TYPING MINS	CAL MAT	TEXTURES	GRAIN	FRACTURE	STRUCTURE	STRIKE	DIP	ALTERATION & MINERALIZATION	DETAILS SUITE	SUMMARY						
UNIT OF LENGTH	UNIT OF RECOVER	UNIT OF RECOVER	RECOVERY	T _{REC} %	ROCK	TYPING MINS	CAL MAT	TEXTURES	GRAIN	FRACTURE	STRUCTURE	STRIKE	DIP	ALTERATION & MINERALIZATION	DETAILS SUITE	SUMMARY						
L	M	250	260	38	AN/P/PE	52	PF2	FGPP	3	P												
L	M	260	270	83	AN/LP	51	G		2	P	SH	65	22	RX	AT	HB D*						
SUBAQUEOUS PYROCLASTIC FLOW 260 TO 270 FT																						
L	M	270	280	10	XD/P/PE	30	PF3	PP	6	R												
L	M	280	280	02	AN/LP	31	G	R3	FG	BN	8	P	BN	40	JR	KE						
L	M	280	281.5	02	XD/P/PE	31	PF3	PP	8	R												
L	M	290	300	02					7	A	SH		40									
L	M	300	310	02					9	A	SH		75									
L	M	301.5	301.5	02	XD/P/PE	31	PF3	PP	9	R												

S = Alpha S 0 = Zero 1 = One 2 = Two 7 = Seven 8 = Alpha 0 1 = Alpha 1 2 = Alpha 2
 T = Tori = Alpha 1 2 = Alpha 2

PROJECT		FLAG		FORMAT VERSION		PROPERTY OF PROJECT		ID OF DRILLHOLE TRAVERSE		SIZE OF CORE		GEOLOGIC		ASST		COMPLETED		DREILING BY		STARTED		COMPLETED		DREILING TIME		SURVEYED		COORD SYSTEM		UNFACEMETH		PAGE		
I		D		N		SCHAFFET		TRICMSKA		CM		YY		MM		DD		P		YY		MM		DD		P		P		0607				
S		S		S		S		S		S		S		S		S		S		S		S		S		S		S		S				
N		A		M		R		O		D		T		Y		P		N		S		E		A		S		T		I				
I		L		L		L		L		L		L		L		L		L		L		L		L		L		L		L		L		
A		H		I		E		E		E		E		E		E		E		E		E		E		E		E		E		E		
310	320	9A	7A	ANTEGR	GR3FG																													
320	330	9B	5G	ANDEPF	PIFA																													
330	340	8G	7G																															
340	350	8B	8B																															
356	360	8D		ANLPHU	AUXYP	2626	2670																											
360	370	8E	8E	ANGLIT	MANLITHIC	2626	2670																											

S = Alpha 5 0 = Zero 1 = One 2 = Two 7 = Seven 8 = Alpha 0 10 = Alpha 1 9 = Alpha 2

PROJECT		CLIENT		DATE		PROJECT NO.		WELL NO.		WELL NAME		WELL TYPE		WELL STATUS		WELL DEPTH		WELL DIAMETER		WELL LOCATION		WELL ELEVATION		WELL AZIMUTH		WELL PAGE			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
SCHAFER		TECK CORPORATION		NOV 09 1988		0918		MH		0918		0918		0918		0918		0918		0918		0918		0918		0918		0918	
FROM		TO		TOTAL DEPTH		AZM		V-ANG		NORTHING		EASTING		ELEVATION		NORTHING		EASTING		ELEVATION		NORTHING		EASTING		ELEVATION			
2100		1400		400		0		-90		63200		14900		2700		63200		14900		2700		63200		14900		2700			
RECOVERY		ROCK		TYPING		CALMAT		TEXTURES		GRAIN		FRACTURE		STRUCT		STRUCT		STRUCT		STRUCT		STRUCT		STRUCT		STRUCT		STRUCT	
30		GREN		SG		ANLPAD		AUGITE		2636		3		P		32		31		30		30		30		30		30	
40		PYROCLASTIC		FLOW		CRUDELY		GRADED		COARSENING		DOWN		HOLE		30		TA		61		61		61		61		61	
50		FLOW TOP		45.3		FT						3		ASH															
60		GREN								00		2		A		51													
70		GREN										6		R/C		30													
80		MONOLITHIC		AUGITE		FERRUGY		FRAGMENTAL		70		24		ASH		50		GREN											

1 = Alpha
 2 = Two
 3 = Seven
 4 = Alpha 0
 5 = Alpha 5
 6 = One
 7 = One
 8 = One
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 12 = One
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 15 = One
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 30 = One

INTERNATIONAL GEOSYSTEMS CORPORATION		QUANTITY OF PROJECT		ID OF DRILLHOLE		TRAVEL TIME		SIZE OF CORE OR HOLE		LOGGED		BY		ASST		COMPLETED		DRILLING BY		STARTED		COMPLETED		DRILLING TIME		SURVEYED BY		COORD SYSTEM		GRID SYSTEM		PAGE	
DATE	VERSION	NO.	PROJECT	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	
1980	1	1	SCHAFF	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
140	150	72	ANL PAD	56	AUICABR	2636																											
150	160	73																															
155	160	00	SFAUL																														
160	170	33																															
160	170	00	SFAUL																														
170	180	33																															
170	180	03	SFAUL																														
180	190	25																															
180	190	18	SFAUL																														
190	200	77																															
190	200	18	SFAUL																														
190	200	15	SFAUL																														

5 = Alpha S
 0 = Zero
 K =
 1 = One
 2 = Two
 7 = Seven
 8 = Alpha O
 10 = Alpha I
 R = Alpha Z

INTER-PERSONAL BLOCK UNITS

IDENTITY OF PROJECT (OR SUB-PROJECT) SCHIAFFETTI CHUSKS

ID OF DRILLHOLE TRAVERSE NUMBER PRE FIX TYPE

SIZE OF CORE OR HOLE

LOGGED BY

ASSY BY

COMPLETED MM DD

DRILLING BY

STARTED MM DD

COMPLETED MM DD

DRILLING TIME HRS

SURVEYED BY

LOG SYSTEM

CIRCUIT NUMBER

PAGE NO.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

TURN C/P	FROM	TO	RECOVERY	TARD	ROCK	TYPING	QUAL	TEXTURES	GRAIN	FRACTURE	STRUCT	STRENGTH	DIP	ALTERATION & MINERALIZATION	ELEVATION	M.L. #
000 - Center	Mark Loc. of Feature			%		MINS	MAT	TX1 TX2 TX3	CF CL MP	COUNT	TD	A-B		CY CB MC SX		SUB-10
			R.O.D.	AGE	ENV	RYO	C	TX1 TX2 TX3	SN	FR	TD	A-B		EP	MC	
260	270		200		ANL PAU PE AU =					2737				J2R		PAU
			200		CA P F 2					2650	2			R + R =		
270	280		200								3	A SH	40			
280	290		200							748	2					
2876	290		200		XD/HBHBPEHBIEMPP					61		R C/	50			
			200		CA P F 2											
290	2925		200		XD/HBHBPEHBIIP					61		R				
			200		CA P F 2											
300	310		200									A SH	80			
			200													
310	320		200									A SH	80			
			200										60			

1 = Alpha
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40 = Alpha

IDENTIFICATION			IDENTITY OF PROJECT			ID OF DRILLHOLE TRAVERSE			SIZE OF CORE			GEOLOGGED			ASST			COMPLETED			DRILLING BY			STARTED			COMPLETED			DRILLING TIME HRS			SURVEYED BY			COORD SYSTEM			GRID AZIMUTH			PAGE		
FLAG	FORMAT	SPEC	NO	PROJECT	NO	TR	NO	MM	DD	BY	MM	DD	MM	DD	MM	DD	MM	DD	MM	DD	MM	DD	MM	DD	MM	DD	MM	DD	MM	DD	MM	DD	MM	DD	MM	DD								
D E N I	6 B 0 2 0 2			SCHAFFET TRICHSKS																																06	07							
TURN POINT		FROM	TO	MT/FT	TOTAL DEPTH/LENGTH	A Z M	CLOCKWISE FROM TRUE N	V-ANG	NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS			NORTHING	NEG IF SOUTH	EASTING	NEG IF WEST	ELEVATION	NEG IF SUB STA																										
FLAG	TURN PT	MARK	MARK							F	T	TD	N	S	E	W																												
L		320	330	10						2748																																		
L		330	340	00						2650	4		P SH		80	52	1	0																										
L		340	350	09									A SH		80			0																										
L		350	360	10									A					0																										
L		360	370	07									A					0																										
L		370	380	04									P					0																										
				35																																								
				35																																								

S = Alpha 0 = Zero 1 = One 2 = Two 3 = Three 4 = Four 5 = Five 6 = Six 7 = Seven 8 = Eight 9 = Nine 10 = Alpha 1 11 = Alpha 2 12 = Alpha 3 13 = Alpha 4 14 = Alpha 5 15 = Alpha 6 16 = Alpha 7 17 = Alpha 8 18 = Alpha 9 19 = Alpha 0 20 = Alpha 1 21 = Alpha 2 22 = Alpha 3 23 = Alpha 4 24 = Alpha 5 25 = Alpha 6 26 = Alpha 7 27 = Alpha 8 28 = Alpha 9 29 = Alpha 0 30 = Alpha 1 31 = Alpha 2 32 = Alpha 3 33 = Alpha 4 34 = Alpha 5 35 = Alpha 6 36 = Alpha 7 37 = Alpha 8 38 = Alpha 9 39 = Alpha 0

AN L PAUPER I/E
6 A PF2

D/H/H/B/P/F/B/I/P/CM 61
K.A PF

Identity Data
Survey Data
Depth Interval
Survey Interval
GRAPHIC

INTERNATIONAL GEOLOGICAL SYSTEMS				ID OF DRILLHOLE/TRAVELER	SIZE OF CORE OR HOLE	LOGGED BY	ASST BY	COMPLETED	DRILLING BY	STARTED	COMPLETED	DRILLING TIME HRS	SURVEYED BY	COORD SYSTEM	GRID AZIMUTH	PAGE																							
REV	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (LINKAGE)	ID OF DRILLHOLE/TRAVELER PREFIX	TYPE	NUMBER	MM	DD	MM	DD																												
I	D E N	6 B 0 2 0 2		SCHAFT TRILCHSKS												07/07																							
S					MT/FT	TOTAL DEPTH LENGTH	AZIM	CLOCKWISE FROM TRUE	V-ANG	NEG UP DOWN	HASH TOTAL = F + T + D + AZM + V-ANG + N + E + FL NOT INCLUDING ANY BLANK FIELDS					NORTHING	NEG IF SOUTH	EASTING	NEG IF WEST	ELEVATION	NEG IF SUB SEA																		
	TURN PT 000 - Collar	FROM Mark loc of feature	TO	MT/FT																																			
				RECOVERY	TA 000	TA 100	TA 200	ROCK				TYPPING MINS		CALMAT QM		TEXTURES		GRAIN		FRACTURE		ALTERATION & MINERALIZATION DEFAULT SUITES					SUMMARY												
				UNIT OF RECOVER																																			
				UNIT OF R.O.D.																																			

R/L
L
A
H
E

380 330 10
STOPPED BLOCKS PF ANLP
6A
330 400 99
ANFPPE PF 3PP
6A
3
J2 RI R=Q* K L AU
U=

FROM 30 TO 61.5 FT PYROCLASTIC SUBSEQUENT ANDESYTIC FLOWS SHOW CRUDE GRADING COARSENING DOWN HOLE FROM TO TO 240 FT ANDITE PORPHYRY MONOLITHIC FRAGMENTAL ANDESITE IS HIGHLY SHEARED AND FAULTED. AGGLOMERATIC HETEROCLITHIC FRAGMENTAL ANDESITE OCCURS FROM 240 TO 330 FT. HORNBLENDE PORPHYRY DIXES ARE INTERSECTED BETWEEN 60 AND 61.5 287.6 AND 62.5 370 AND 380 65.5 AND 60

A PLAGIOCLASE PORPHYRY DIKE IS INTERSECTED BETWEEN 65.5 AND 69 FAULTING OCCURS BETWEEN 76 AND 80 FT 155 AND 240 FT

ASSAY SAMPLES WERE COLLECTED ON 10 FT INTERVALS BETWEEN:
120 AND 130 FT
220 AND 230 FT
320 AND 330 FT
340 AND 350 FT

TRIAL SAMPLES SENT TO ACME ANALYTICAL FOR 26 ELEMENT ICP CU AND AU BY AA.

1 = One
 2 = Two
 3 = Three
 4 = Four
 5 = Five
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 7 = Seven
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 72 = Seventy Two
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 76 = Seventy Six
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 78 = Seventy Eight
 79 = Seventy Nine
 80 = Eighty

*Checked for performance
Nobelinis PER*

PROJECT		FLAG		FORMAT VERSION		SPEL		IDENTIFY CH PROJECT		ID OF ENCL/LOG/TRAVERSE		SHELF OF CORE		GEOLOGGED		ASST BY		COMPLETED		DRILLING BY		STARTED		COMPLETED		DRILLING		SURVEYED BY		COORD SYSTEM		GRID AZIMUTH		DATE				
1	1	D	E	N	G	B	O	2	0	S	C	H	A	E	N	1	0	9	1	9	S	C	H	A	E	N	1	0	9	1	9	G	R	D	0	0	0	7
TUBING		FROM		TO		TOTAL DEPTH		AZIMUTH		V-ANG		HASH TOTAL		NORTHING		EASTING		ELEVATION																				
000		10		382		382		0		-90		64300		14900		2685																						
FLAC		RECOVERY		ROCK		TEXTURE		GRAIN		FRACTURE		STRUCTURE		STRIKE		DIP		ALTERATION & MINERALIZATION		DEFAULT SUITES		SUMMARY																
N A M		R Q D		C A S N		T S		A N L P A D		A U G I T E		P		A S H		R Z		S		S E		S E																
I C L		AGE		OVER		M O N O L I T H I C		1 G		F R A G M E N T A L		R		70		D		D		D		S E																
M A M		FORM		3 FAUL		5 G		25		XX		A S H		30		G I S I																						
L L L		FROM		7 FAUL		XX		A S H		40																												
A A A		TO		3 FAUL		XX		A S H		40																												
H H H		FROM		7 FAUL		XX		A S H		40																												
I I I		TO		7 FAUL		XX		A S H		40																												

ALTERATION MINERALS COLUMNS USED FOR MINERALS PRESENT

S = Alpha 5 - K = One
 1 = Two
 2 = Three
 3 = Four
 4 = Five
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 6 = Seven
 7 = Eight
 8 = Nine
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 28 = Twenty Nine
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 48 = Forty Nine
 49 = Fifty
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 57 = Fifty Eight
 58 = Fifty Nine
 59 = Sixty
 60 = Sixty One
 61 = Sixty Two
 62 = Sixty Three
 63 = Sixty Four
 64 = Sixty Five
 65 = Sixty Six
 66 = Sixty Seven
 67 = Sixty Eight
 68 = Sixty Nine
 69 = Seventy
 70 = Seventy One
 71 = Seventy Two
 72 = Seventy Three
 73 = Seventy Four
 74 = Seventy Five
 75 = Seventy Six
 76 = Seventy Seven
 77 = Seventy Eight
 78 = Seventy Nine
 79 = Eighty
 80 = Eighty One

WELL IDENTIFICATION DATA: FLAG: D B O 2 0 2; ID: SCHAFIT; TRAVELER: TB1 CHSKG; SIZE OF CORE: 1.5 IN; GEOLOGIC: M M; DATE: 68; COMPLETED: 1 1 68; DRILLING TIME: 0; SURVEYED: 6 22 68; UTM COORDINATES: 2017

DEPTH (FT)	LOG DESCRIPTION	REMARKS	RECOVERY (%)	TEST RESULTS	GRAIN COUNT	TEXTURE	STRUCTURE	ALTERATION	MINERALIZATION	DEFAULT SUITE
80-81	FAULT		48	ANLPAU	2727		P			
80-80	FAULT		00	TF AUL	2658	XX	R			
90-100	FAULT		73	SE AUL		XX	A SH	AD		
100-110			97				A			
110-113			98	XANTE	EGMX		R			
120-121			97	ANLP	G; 2636		P			
120-121.5			70	XANTE	2658		R			
130-140			85				A			

Scale: 5 = Alpha S, 0 = Zero, 1 = One, 2 = Two, 7 = Seven, 10 = Alpha O, 100 = Alpha I, 200 = Alpha Z

REV	FLAG	FORW. VERSION	SPEC	IDENTITY OF PROJECT (OR SUB-PROJECT, LOCATION)	ID OF DRILLHOLE-TRAVELER	PRE FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	YY	GEOLOGED DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	YY	STARTED MM DD	COMPLETED MM DD	DRILLING TIME HRS	SURVEYED BY	COORD SYSTEM	GRID AZIMUTH	PAGE	LIT			
1	D	E	N	B	0	2	0	2	SCHAFT	T	B	I	C	H	S	K	6							03	07		
TURN & PT	FROM	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM	CLOCKWISE FROM TRUE N	V-ANG	NEC. DOWN	HASH TOTAL = F + I + D + AZM + V-ANG + H + E + EL	NORTHING		EASTING		ELEVATION		SUMMARY											
N	A	M	UNIT OF RECV	R	T	Q	T	T	F	S	C	S	S	Q	B	C	M	X	P	C	C	Y	F	A	M		
S	C	L	UNIT OF LENGTH	RECOVERY	Q	M	T	T	S	R	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I		
2	3	4	M or F	R	Q	M	T	T	S	R	I	I	I	I	I	I	I	I	I	I	I	I	I	I			
3	4	5	UNIT OF DR. Q.D.	RECOVERY	Q	M	T	T	S	R	I	I	I	I	I	I	I	I	I	I	I	I	I	I			
4	5	6	Any Zone Flag or Flag - COMPOSITE MAAS (MIN OR QD) - 999	RECOVERY	Q	M	T	T	S	R	I	I	I	I	I	I	I	I	I	I	I	I	I	I			
5	6	7	Flag - COM. then Col 31-62 = 55 No groups	From	To	From	To	From	To	From	To	From	To	From	To	From	To	From	To	From	To	From	To	From			
6	7	8	Flag - min. where any no. 01-99 is defined	55 #	55 #	55 #	55 #	55 #	55 #	55 #	55 #	55 #	55 #	55 #	55 #	55 #	55 #	55 #	55 #	55 #	55 #	55 #	55 #	55 #			
7	8	9		17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38		
8	9	10		39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59			
9	10	11		60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80			
10	11	12		HASH TOTAL																							
11	12	13		1																							
12	13	14		1																							
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1 = Alpha
2 = Two
7 = Seven
0 = Zero
5 = Alpha
S = Alpha
K = X
D = C

LINE GRAINED, LOCALLY BANDED, LOCALLY PYRITIFEROUS AND GRAPHITIC
MATERIAL; INTERSTITIAL FILL WITH PORPHYRITIC FLOWS 100 TO 370 FT.

IDENTIFICATION										LOG DATA										CORRECTIONS										CALCULATIONS										SUMMARY									
FORMAL VERSION		IDENTIFIER IN PROJECT		ID OF DRILLHOLE TRAVERSE		SHEET TYPE		GEOLOGIC		ASST		COMPLETED		DRILLING BY		STARTED		COMPLETED		DRILLING TIME		SURVEYED BY		GRID SYSTEM		GRID AZIMUTH		PAGE																					
FLAG	TURN	DATE	TIME	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.																				
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FROM		TO		MT/FT		TOTAL DEPTH-LENGTH		A Z M		CLOCKWISE FROM TRUE H		V-ANG		NEG. DOWN		HASH TOTAL = F + F + TD + RZM + V-ANG + N + E + EL		NORTHING		NEG. SOUTH		EASTING		NEG. WEST		ELEVATION		NEG. SURFACE																					
FLAG	RECOVERY	UNIT	ROCK	TYPING	MINI	TAB	GRAIN	STRUCT	STRENGTH	OP	ALLOCATION	MINERALIZATION	DEFAULT	SUITE	SUMMARY																																		
1	10	10	AMT	10	10	10	2	3	PSH	70	J=K)	K)																																					
2	210	220	99					2	ABN	50	KL																																						
3	227	228	90					12	A																																								
4	230	240	85					7	A																																								
5	240	250	91					1	A																																								
6	250	260	98					1	A																																								

S = Alpha 5
0 = Zero
1 = One
2 = Two
7 = Seven
8 = Alpha 0
9 = Alpha 1
10 = Alpha 2

INTERESTED PARTIES		IDENTITY OF PROJECT		ID OF DRILL HOLE TRAVERSE		SIZE OF CORE		GEOLOGGED		ASST		COMPLETED		DRILLING BY		STARTED		COMPLETED		DRILLING TIME		SURVEYED BY		CO-ORD SYSTEM		GRID AZIMUTH		PAGE	
FLAG	FORMAT VERSION	SPEC	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
DEN	6	B	0	2	0	2																							05197
SCHEFFER TRAIL HSKG																													
TURN/PT	FROM	TO	MT/FT	TOTAL DEPTH-LENGTH	A Z M	CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL	NORTHING		EASTING		ELEVATION		NEG IF SUB-SEA														
5																													
FLAG	RECOVERY	ROCK	TYPIFYING MINS	QUALITY	TEXTURES	GRAIN	STRUCTURE	STRUC	STRIKE	DIP	ALTERATION & MINERALIZATION	DEFAULT SORTS	SUMMARY																
N A C L																													
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5 = Alpha S 0 = Zero 1 = One 2 = Two 7 = Seven 8 = Alpha O 9 = Alpha I # = Alpha Z

INTERESTED PARTY INFORMATION		IDENTITY OF PROJECT		ID OF DRILLHOLE TRAVERSE		SIZE OF CORE OR HOLE		GEOLOGGED BY		ASST BY		COMPLETED		DRILLING BY		STARTED		COMPLETED		DRILLING TIME HRS		SHIMMED BY		LOGGING SYSTEM		GRID AZIMUTH		PAGE				
FLAG	FORMAT VERSION	SPEC	PROJECT NO	TRaverse No	TYPE	MM	DD	YY	MM	DD	BY	MM	DD	BY	MM	DD	MM	DD	MM	DD	MM	DD	BY	MM	DD	MM	DD	MM	DD			
			SCHAFFER	TR1	CHSIK6																								0607			
TURNING BY	FROM	TO	MT/FT	TOTAL DEPTH	LENGTH	A Z M	CLOCKWISE FROM TRUE N	V-ANG	NEG IF DOWN	HASH TOTAL	F 1 + TO	A Z M + V-ANG	N + E + LL	NORTHING	NEG IF SOUTH	EASTING	NEG IF WEST	ELEVATION	NEG IF SUB SEA													
SLAG	RECOVERY	Two	%	ROCK	TYPIFYING UNITS	QUALITY	TEXTURES	GRAIN	FRACTURE	STRUCT	STRESS	DIP	ALTERATION & MINERALIZATION	DEFAULT SUITES	GL	TY	SUMMARY															
UNIT OF RECOR	AGC	ENV	ATQ	LOG	TAI	CHI	TR1	TR2	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR		
320	330	96	20	ANTIFGR	GR2	EGBN			4	P		S2	RH = K+																			
320	342	98	12		NR=				4	R																						
332	333			XD/HB	BHBI	CMPP			4	R																						
340	344	10	24	ANPF	ADAN	IPP			3	R		S2	R = <																			
340	344			2ANTF		ES			3	R																						
350	353	92	73	ANPFGR	GB3	EGBN			2	R	BN	A0S2	RH = <																			
360	370	87	76	XANPF					2	R		A0																				
370	380	10	38	ANPF		G		62E	2	R		S2	R+K = <																			
3772	380			XD/PF	PAUPF2	EGPP		26E	2	R																						

S = Alpha S 0 = zero 1 = One 2 = Two 3 = Seven 4 = Alpha 5 = Alpha 6 = Alpha 7 = Alpha 8 = Alpha 9 = Alpha

IDENTITY OF DATA		ENTRANTS WITH 1:100,000 SCALE		IDENTITY OF PROJECT		TO OF DRILLHOLE TRAVERSE		SIZE OF CORE OR HOPE		GEOLOGICAL		ASST BY		COMPLETED		DRILLING BY		STARTED		COMPLETED		DRILLING TIME		SURVEYED BY		CO-ORD SYSTEM		GRID AZIMUTH		PAGE OF																																																					
FLAG	FORMAT VERSION	SPL	PROJ	UNIT	TYPE	NUMBER	PRE-NO	TYPE	NUMBER	YY	MM	DD	BY	MM	DD	YY	MM	DD	MM	DD	MM	DD	MM	DD	MM	DD	MM	DD	MM	DD																																																					
DEN	680202		SCHAFF																													0707																																																			
TURN OF PT		FROM		TO		MT/FT		TOTAL DEPTH/LENGTH		AZIM		CLOCKWISE FROM TRUE N		V-ANG		NEG DOWN		HASH TOTAL = F+T+TD+AZM+V-ANG+N+E+EL NOT INCLUDING ANY BLANK FIELDS				NORTHING		NEG SOUTH		EASTING		NEG WEST		ELEVATION		NEG SUB SEA																																																			
FLAG	RECOVERY	TYPE	ROCK	TEXTURES	GRAIN	FRACTURE	STRUCT	STRIKE	DIP	ALTERATION & MINERALIZATION												DEFAULT SUITES		SUMMARY																																																											
AGC	ENV	RTQ	IC	TM1	TM2	TM3	TM4	TM5	TM6	TM7	TM8	TM9	TM10	TM11	TM12	TM13	TM14	TM15	TM16	TM17	TM18	TM19	TM20	TM21	TM22	TM23	TM24	TM25	TM26	TM27	TM28	TM29	TM30	TM31	TM32	TM33	TM34	TM35	TM36	TM37	TM38	TM39	TM40	TM41	TM42	TM43	TM44	TM45	TM46	TM47	TM48	TM49	TM50	TM51	TM52	TM53	TM54	TM55	TM56	TM57	TM58	TM59	TM60	TM61	TM62	TM63	TM64	TM65	TM66	TM67	TM68	TM69	TM70	TM71	TM72	TM73	TM74	TM75	TM76	TM77	TM78	TM79	TM80
380	587	50	ANLP		2737		P		S2	R=RE<												AU																																																													
380	382		XANTIFGR	GRIFGBN	2157		R															K*																																																													
RSUM		<p>SHEARED AUGITE PORPHYRY FRAGMENTAL ANDESITE IS INTERSECTED FROM 110 FT TO 190 FT. LOCAL FINE GRAINED TUFF HORIZONS OCCUR WITHIN THIS UNIT. THE ANLP IS CATACTASTICALLY BRECCIATED BETWEEN 190 AND 370 FT. FINE GRAINED LOCALLY BANDED TUFF IS CORRELATED BETWEEN 190 AND 370 FT. PLAGIOCLASE PORPHYRY FLOWS OCCUR WITHIN THIS INTERSECTION. PYRITE FERROUS GRAPHIC ZONES ALSO OCCUR WITHIN THIS INTERSECTION. THE REMAINING OF THE HOLE CORES A PYROCLASTIC SUBSEQUENT COARSENING DOWN HOLE.</p> <p>A PLAGIOCLASE PORPHYRY DIKE IS INTERSECTED BETWEEN 227 AND 228 AND FROM 577.2 TO 380. BOTH DIKES CONTAIN 20-22% PLAGIOCLASE PHENOCRYSTS TO 5MM. THE LOWER LIKE ALLS CONTAINS 5% HORNBLAND PHENOCRYSTS TO 1CM. A HORNBLAND PORPHYRY DIKE IS INTERSECTED BETWEEN 332 AND 333 FT CONTAINING 10% 1CM SIZED HB PHENOCRYSTS.</p> <p>FAULTING OCCURS BETWEEN: 50 AND 100 FT</p> <p>SAMPLED IN 10 FT INTERVALS BETWEEN: 110 AND 130 FT, 151 AND 320 FT, 350 AND 360 FT</p> <p>TOTAL 4 SAMPLES: SENT TO ACME ANALYTICAL FOR 26 ELEMENT ICP CU AND AU BY AA.</p>																																																																																	
RUM																																																																																			

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Checked for conformity
R. E. Eng.

INTERESTED PARTY / REACTIVE ENERGY		IDENTITY OF PROJECT / SUB PROJECT / UNDERWELL		ID OF DRILLHOLE / TRAVERSE / TYPE / NUMBER	SIZE OF CORE OR ROCK	LOG CODE / DD	BY	ASST BY	COMPLETED MM / DD	DRELLING BY	STARTED MM / DD	COMPLETED MM / DD	DRELLING TIME HRS	SURVEYED BY	LD GRID SYSTEM	GRID X / Y / UTM	PAGE	LN										
FLAG	FORMAT VERSION	SPEC	SCHEAFER	01 CUSK7	NQ21	0920	MH		0920		010909	0912		GRD	d.0	d.0	0105											
TURN C/P	FROM	TO	UNIT / FT	TOTAL DEPTH / LENGTH	A Z M	CLOCKWISE FROM TRUE N	V-ANG	NEG UP DOWN	HASH TOTAL = F + T + TO + AZM + V-ANG + N + E + E1	NORTHING	NEG UP SOUTH	EASTING	NEG UP WEST	ELEVATION	METER SUB VIA													
FLAG	327	327	FT	327	0		-90		68950	68950	113250	113250		2630	1252													
FLAG	RECOVERY	T	M	ROCK	TYPING	AMS	QALM	TEXTURES	GRAIN	FRACTURE	STRUCT	STRIKE	DIP	ALTERATION & MINERALIZATION DIFFUSE SUITES											SUMMARY			
N A C L	REC'D	FT	IN	ENV	TO	FC	QMS	TR	SL	BL	SH	CL	OP	CL	BI	AL	AN	AC	KE	PE	CP	CL	YY	SUMMARY				
FLAG	RECOVERY	FT	IN	ENV	TO	FC	QMS	TR	SL	BL	SH	CL	OP	CL	BI	AL	AN	AC	KE	PE	CP	CL	YY	SUMMARY				
X NED ALTERATION MINERALS COLUMNS USED FOR MINERALS PRESENT																												
		0	80	CASN																								
		80	20	ANLPMG	31				2626		P SH		40															
				SG	57				2450	3											R2							
		90	100		35						A SH		45															
					BA																							
		100	110		36						A SH		35															
					BD																							
		110	120		10						A SH		30															
					37																							
		120	130		11						A SH		40															
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S = Alpha 0 = Zero 1 = One 2 = Two 7 = Seven 8 = Alpha C 10 = Alpha I 2 = Alpha Z

IDENTIFICATION										LOG DATA										CORRECTIONS										CALCULATIONS										SUMMARY									
FLAG		FORMAL VERSION		SPEL		IDENTITY		PROJECT		ID OF DRILLHOLE/TRAVERSE		SIZE OF CORE		GEOLOGED		ASST		COMPLETED		DRILLING BY		STARTED		COMPLETED		DRILLING		SURVEYED		CO. AND SYSTEM		GRID AZIMUTH		PAGE															
D E N		6 B 0 2 0 2		SCHAFF		T81		CHSK7																								0205																	
TURN		FROM		TO		MAT/FT		TOTAL DEPTH/LENGTH		AZIM		CLOCKWISE FROM TRUE N		V. ANG		NEG. #		HASH TOTAL		NORTHING		NEG. #		EASTING		NEG. #		ELEVATION		MUTUAL																			
S		S		S		S		S		S		S		S		S		S		S		S		S		S		S		S																			
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A		A		A		A		A		A		A		A		A		A		A		A		A		A		A		A																			
F		F		F		F		F		F		F		F		F		F		F		F		F		F		F		F																			
✓		120		140		90		90		ANL		P		MG		AD		MG		+		2626		5		P		SH		50		R2		<D+SE															
✓		140		150		85		40														12		A		SH		70		6)				AU															
✓		150		160		90		75														5		A		SH		50		00																			
✓		160		170		90		60														4		A		SH		40		30																			
✓		170		180		90		30				CABR										12		A		SH		70		30		<-K+		B															
✓		180		190		90		70														6		A		SH		40		65		00		00															

S = Alpha 0 = Zero 1 = One 2 = Two 3 = Three 4 = Four 5 = Five 6 = Six 7 = Seven 8 = Eight 9 = Nine 10 = Alpha 0 101 = Alpha 1 2 = Alpha 2 3 = Alpha 3

IDENTIFICATION		FORMAT VERSION	SPEI	IDENTITY OF PROJECT (W/ SUB PROJECT (UNITS))	ID OF DRILLHOLE TRAVERSE	SIZE OF CORE OR HOLE	YY	GEOLOGED DD	BY	ASST BY	COMPLETED MM	DD	DRILLING BY	STARTED YY	MM	DD	COMPLETED MM	DD	DRILLING TIME HRS	SURVEYED BY	COORD SYSTEM	GRIU AZIMUTH	PAID	CP	
INTV	FLAG	D E N	B 0 2 0 2	SCHAFF	TRBLCHSK7																		0305		
TURN L PT	FROM	TO	MI FT	TOTAL DEPTH LENGTH	AZIM	CLOCKWISE FROM TRUE N	V-ANG	NEG # DOWN	HASH TOTAL = F + T + TD + ATM + V-ANG + N + E + EL NOT INCLUDING ANY BANK FIELDS				NORTHING	NEG # SOUTH	EASTING	NEG # WEST	ELEVATION	NEG # SUB-SEA							
FLAG	RECOVERY	T ₁₀₀	%	ROCK	TYPIFYING MINS	QALMAT	TEXTURES	GRAIN	RACTURE	STRUCT	STRKE	DIP	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES				CL	YY	SUMMARY				
N A M	Unit of Recov	ACE	ENV	RTQ	LC	OMI	TX ₁	S ₄	h	STRUC	A2M	KF	MU	CL	EP	HE	Hw Amt	P R	MO	SL	Hw Amt	FA	AI	MI	
S C I	Unit of Length	From	To	SS #	Color	QMI	TX ₂	S ₆	h	STRUC	A2M	KF	MU	CL	EP	HE	Hw Amt	P R	MO	SL	Hw Amt	FA	AI	MI	
FLAG	M of F	RQD	RECOVERY	SS #	Color	QMI	TX ₁	S ₄	h	STRUC	A2M	KF	MU	CL	EP	HE	Hw Amt	P R	MO	SL	Hw Amt	FA	AI	MI	
N A M	Unit of RQD	From	To	SS #	Color	QMI	TX ₂	S ₆	h	STRUC	A2M	KF	MU	CL	EP	HE	Hw Amt	P R	MO	SL	Hw Amt	FA	AI	MI	
S C I	Unit of RQD	From	To	SS #	Color	QMI	TX ₁	S ₄	h	STRUC	A2M	KF	MU	CL	EP	HE	Hw Amt	P R	MO	SL	Hw Amt	FA	AI	MI	
FLAG	M of F	RQD	RECOVERY	SS #	Color	QMI	TX ₂	S ₆	h	STRUC	A2M	KF	MU	CL	EP	HE	Hw Amt	P R	MO	SL	Hw Amt	FA	AI	MI	
N A M	Unit of RQD	From	To	SS #	Color	QMI	TX ₁	S ₄	h	STRUC	A2M	KF	MU	CL	EP	HE	Hw Amt	P R	MO	SL	Hw Amt	FA	AI	MI	
S C I	Unit of RQD	From	To	SS #	Color	QMI	TX ₂	S ₆	h	STRUC	A2M	KF	MU	CL	EP	HE	Hw Amt	P R	MO	SL	Hw Amt	FA	AI	MI	
FLAG	M of F	RQD	RECOVERY	SS #	Color	QMI	TX ₁	S ₄	h	STRUC	A2M	KF	MU	CL	EP	HE	Hw Amt	P R	MO	SL	Hw Amt	FA	AI	MI	
N A M	Unit of RQD	From	To	SS #	Color	QMI	TX ₂	S ₆	h	STRUC	A2M	KF	MU	CL	EP	HE	Hw Amt	P R	MO	SL	Hw Amt	FA	AI	MI	
S C I	Unit of RQD	From	To	SS #	Color	QMI	TX ₁	S ₄	h	STRUC	A2M	KF	MU	CL	EP	HE	Hw Amt	P R	MO	SL	Hw Amt	FA	AI	MI	
		190	200	30																					
				76																					
		200	210	20																					
				27																					
		210	220	20																					
				27																					
		220	230	10																					
				22																					
		230	240	9																					
				7																					
		240	250	10																					
				20																					

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ENTER BY (NAME)		TOTAL DEPTH ENTRIES		IDENTITY OF PROJECT OR SUB PROJECT (CONTRACT)		ID OF DRILLHOLE TRAVERSE		SIZE OF CORE OR HOLE		GEOLOGGED		ASST		COMPLETED		DRILLING BY		STARTED		COMPLETED		DRILLING TIME		SURVEYED BY		COORD SYSTEM		GRID AZIMUTH		PAGE	
NAME	LAST	FORM	SPEC	PROJ	NO	TYPE	NO	TYPE	NO	MM	DD	BY	BY	MM	DD	BY	BY	MM	DD	MM	DD	MM	DD	BY	BY	MM	DD	MM	DD	OF	
		6	0	2	0	2	SCHAEFER	TREICHSKY																						0A05	
UNIT	FROM	TO	MT/FT	TOTAL DEPTH-LENGTH	A Z M	CLOCKWISE FROM TRUE N	V-ANG	NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS		NORTHING		EASTING		ELEVATION		ALTERATION & MINERALIZATION		DEFAULT SUITES		SUMMARY										
FLAG	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	
RECOVERY	AGE	ENV	RTG	L C Colour	TM	OM	TR	TR	SS	SN	OC	FS	IM	TS	STRUC TO	A Z M	DIP to Horiz	EP	MU	CL	EP	SE	Hw Amt	PR	MO	SL	Hw Amt	Flow	Flow		
RECOVERY	From	To	From	To	From	To	From	To	From	To	From	To	From	To	From	To	From	To	From	To	From	To	From	To	From	To	From	To	From	To	
	250	260	36 80									2626 2450	3		SH	50														AD U2	
	260	270	38 7										4		A																
	270	280	10 77										5		A SH	40															
	280	290	2 77										3		A																
	290	300	02 71										4		A SH	40															
	300	310	03 37										11		A SH SH	40 70															

1 = Alpha Z
2 = Alpha 1
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4 = Alpha 1
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6 = Alpha 1
7 = Seven
8 = Alpha 0
9 = Alpha 1
0 = Zero
1 = One
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3 = Three
4 = Four
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9 = Nine
A = Alpha
B = Beta
C = Gamma
D = Delta
E = Epsilon
F = Phi
G = Chi
H = Eta
I = Theta
J = Iota
K = Kappa
L = Lambda
M = Mu
N = Nu
O = Xi
P = Pi
Q = Rho
R = Sigma
S = Super
T = Teta
U = Upsilon
V = Phi
W = Chi
X = Xi
Y = Eta
Z = Zeta

IDENTIFY PROJECT		ID OF DRILLHOLE/TRAVERSE		SIZE OF CORE	LOGGED		ASST	COMPLETED	DRILLING BY	STARTED	COMPLETED	DRILLING	SURVEYED	CO-ORD	GRID AZIMUTH	PAGE
FLAG	FORWARD	SPEC	PROJECT	TYPE	NUMBER	YY	MM	DD	BY	MM	DD	TIME	BY	SYSTEM		
S	DB0202	SEHAFT	81	CH	SK7											10
TURN OF PI	FROM	TO	MT/FT	TOTAL DEPTH/LENGTH	A Z M	CLOCKWISE	V. ANG	NEC #	HASH TOTAL	NORTHING	MEG #	EASTING	MEG #	ELEVATION	NEC #	
310	320		10													
320	327		63													
<p>THE HOLE CORES MONOITIC AUGITE PORPHYRY FRAGMENTAL ANDESITE. UP TO 1CM SIZED PHENOCRYSTS OF AUGITE COMPOSED THE ROCK. DISSEMINATED MAGNETITE IS PREVALENT THROUGHOUT THE ROCK. CONTAINS APPROXIMATELY 10% SERPENTINE MINERALS. CHLORITE OCCURS REPLACING MAFICS NAMELY AUGITE. TRACE SPOTS OF YUENITE OBSERVED THROUGHOUT. BURNITE IS NOTED IN BLEACHED FRAGMENT BETWEEN 230 AND 250 FT AMOUNT IS TRACE.</p> <p>HOLE ASSAYED IN 10 FOOT INTERVALS: BETWEEN 160 AND 130 FT 230 AND 260 FT TOTAL 6 SAMPLES. SENT TO ACME ANALYTICAL FOR 26 ELEMENT ICP CU AND MO BY AA.</p> <p>Checked for conformity AIRBORNE PERC</p>																

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APPENDIX B

ICP ANALYSES

ACME ANALYTICAL LABORATORIES LTD.

852 E HASTINGS ST. VANCOUVER, B.C. V6A 9R6
(604) 253-3158 TELEX 04-53124

ICP GEOCHEMICAL ANALYSES

=====

A .500 GRAM OF SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 NITRIC ACID TO HYDROCHLORIC ACID TO WATER AT 90 DEG. C FOR 1 HOUR. THE SAMPLE IS DILUTED WITH WATER TO 10.0 MLS. THE RESULTS ARE REPORTED IN PPM EXCEPT FOR FE, CA, P, MG, BA, AND AL WHICH IS IN PERCENT. THIS LEACH IS PARTIAL FOR: CA, P, MG, AL, TI, LA, AND W. VERY LITTLE BA IS DISSOLVED. IS = INTERNAL STANDARD.

*
*
*0/9504
EGC

BURN #	1	GE16	11:55	16-OCT81	SK-1	60-70	Au					
	1351											
SK-1	.38	92	3.0	45	.004	356	40	283	2.42	8.0	.005	
	2.1	.52	.18	1430	.25	3.1	56	.58	.05			
60-70	2.1	2.8	3.3	.03	.16	7.9	2.2	276	5.4	.2		

*
*0/9505
EGC

BURN #	1	GE16	11:56	16-OCT81	SK-1	80-90	Au					
	1351											
SK-1	.34	86	.58	48	.019	330	41	422	2.65	5.9	.005	
80-90	4.1	.33	.19	1898	.17	3.6	70	1.4	.05			
	3.2	1.1	3.8	.01	.16	9.6	2.1	328	6.7	.1		

*
*0/9506
EGC

BURN #	1	GE16	11:56	16-OCT81	SK-1	120-130	Au					
	IS											
	1351											
SK-1	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	.005	
	.29	42	1.2	37	.169	587	56	396	3.34	8.0		
120-130	U	IS	TH	IS	CD	SB	BI	V	CA	P		
	2.3	.96	.36	1719	.29	5.0	74	.89	.03			
	LA	IN	MG	BA	TI	B	AL	IS	IS	W		
	3.4	1.3	5.6	.01	.09	14	2.2	346	7.0	.2		

*HO/9507
EGC

BURN # 1		GE16	11:58 16-OCT81			SK-1 160-170 Au				
1351										
SK-1	.62	.61	.05	.42	.218	272	34	741	3.02	9.2 .005
160-170	5.6	1.1	.40	2184	.53	51	4.0	72	4.0	.05
	5.4	1.3	<u>2.8</u>	.01	.04	14	1.6	275	9.7	.97

*0/9509
EGC

BURN # 1		GE16	11:58 16-OCT81			SK-1 270-280				
1351										
SK-1	.33	65	T2	.26	.090	660	59	400	2.95	12 .005
270-280	4.5	.37	.26	1739	.29	291	5.4	71	.94	.03
	3.2	2.0	<u>5.7</u>	.00	.06	15	2.0	369	6.8	.1

*0/9511
EGC

BURN # 1		GE16	11:59 16-OCT81			SK-1 310-320				
1351										
SK-1	.56	94	4.2	.35	.138	412	47	311	3.36	14 .005
310-320	5.3	-.1	.35	1562	.49	291	4.2	79	.66	.04
	3.6	.41	<u>5.2</u>	.02	.12	10	2.5	488	6.7	.7

*0/9513
EGC

BURN # 1		GE16	12:00 16-OCT81			SK-1 370-380				
1351										
SK-1	.28	57	3.9	88	.140	647	59	479	2.81	13 .005
370-380	3.6	-.0	.30	2005	.50	291	4.8	57	1.6	.03
	3.0	.94	<u>4.8</u>	.00	.07	10	1.9	410	7.3	.1

*0/RE: 9505
EGC

BURN # 1		GE16	12:01 16-OCT81			SK-1 80-90				
1351										
SK-1	.41	84	1.1	47	.110	323	41	416	2.60	8.8 .005
80-90	1.7	.32	.38	1924	.84	291	3.2	70	1.4	.05
13-14	3.2	1.9	<u>3.7</u>	.01	.16	9.4	2.0	323	6.7	.2

*HO/9501
EGC

BURN # 1		GE16	11:53 16-OCT81			SK-2 60-70				
1351										
SK-2	.66	46	3.2	21	.233	858	67	449	3.66	4.5 .005
60-70	4.6	1.7	.41	974	.3	291	7.1	58	.24	.03
	2.9	1.3	<u>7.2</u>	.01	.03	17	1.3	283	6.9	.65

*0/9502
EGC

BURN # 1 GE16 11:53 16-OCT81
1351
•60 25 2.5 25 •215
4.6 1.8 •24 1441 ••03
2.9 2.9 7.1 •00 •05

SK-2 240-250

823 68 450 3.53 8.4
-12/ 7.3 55 •52 •03
18 1.1 278 7.0 •84

Au

.005

SK
240-250

*0/9503
EGC

BURN # 1 GE16 11:54 16-OCT81
1351
•66 25 10 24 •155
4.7 1.6 •29 1010 ••0
2.7 1.6 7.0 •00 •03

SK-2 250-260

905 71 465 3.50 6.1
-12/ 7.1 54 •27 •03
19 1.2 274 6.7 •.1

.005

SK-2
250-260

*H0/9488
EGC

BURN # 1 GE16 11:35 16-OCT81
1351
SK-3 2.3 94 3.3 75 •314
14-5-20 -2 3.3 •98 2064 •63
6.1 3.0 1.6 •00 •36

SK-3 14-5-20

.37 19 463 3.84 12
+1 •72 104 1.7 •08
12 1.6 47 7.5 •91

.005

SK-3
14-5-20

*0/9489
EGC

BURN # 1 GE16 11:36 16-OCT81
1351
SK-3 1.2 111 +1 65 •122
20-30 •35 3.9 •51 2007 •38
4.3 2.0 1.9 •00 •36

SK-3 20-30

38 28 596 4.49 14
-3/ •34 130 1.4 •07
13 2.1 42 7.4 •.3

.005

SK-3
20-30

*0/9490
EGC

BURN # 1 GE16 11:37 16-OCT81
1351
SK-3 •50 97 -.1 60 •095
30-40 •.5 3.8 •62 1930 •56
3.8 1.4 2.1 •00 •34

SK-3 30-40

42 32 591 4.53 12
-4/ 1.4 125 1.2 •06
13 2.1 26 7.2 •.2

.025

SK-3
30-40

*0/9491
EGC

BURN # 1 GE16 11:38 16-OCT81
1351
SK-3 •84 86 +1 63 •244
40-50 1.9 3.5 •47 1915 •47
4.5 2.1 1.7 •00 •27

SK-3 40-50

28 25 646 4.07 13
-2/ •72 106 1.2 •08
12 1.9 23 6.7 •68

.005

SK-3
40-50

*0/9492
EGC

BURN # 1 GE16 11:38 16-OCT81
1351
SK-3 1.8 100 •39 66 •234
130-140 •16 3.0 •59 2023 •46
5.7 1.6 1.4 •00 •21

SK-3 130-140

26 20 737 3.95 12
-3/ •83 90 1.6 •11
10 2.0 44 7.2 •.3

.005

SK-3
130-140

HO/9493
EGC

BURN # 1 GE16 11:39 16-OCT81

SK-3 140-150

IS
1351

SK-3
140-150

MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	Au
5.3	66	-42	104	.309	6.6	12	632	3.79	12	.005
U	IS	TH	IS	CD	SB	BI	V	CA	P	
.78	3.1	.33	2059	.56	-2	.45	56	1.7	.12	
LA	IN	MG	BA	TI	B	AL	IS	IS	W	
5.3	.67	1.2	.00	.14	11	2.2	17	7.0	.27	

*HO/9494
EGC

BURN # 1 GE16 11:40 16-OCT81

SK-3 150-160

1351

SK-3
150-160

MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	Au
26	131	-.6	70	.371	11	.24	.721	4.80	17	.005
.28	3.9	.45	2210	.62	-2	.19	100	2.1	.09	
4.9	2.1	1.7	.00	.25	14	2.5	14	8.2	1.7	

*HO/9495
EGC

BURN # 1 GE16 11:41 16-OCT81

SK-3 160-170

1351

SK-3
160-170

MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	Au
2.6	137	.44	105	.283	15	29	.617	5.08	11	.005
.24	4.3	.42	1996	.54	-1	.84	109	1.3	.09	
4.4	1.7	1.8	.00	.30	14	2.3	19	7.4	.35	

*O/STD M-2
EGC

BURN # 1 GE16 11:43 16-OCT81

SK-3 170-180

1351

SK-3

MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	Au
.65	.30	34	183	.242	37	16	812	2.36	10	.545
1.9	1.5	2.2	1185	1.1	-.6	.30	52	.39	.10	
8.0	1.8	.58	.02	.09	11	1.4	67	5.6	.15	

*HO/9496
EGC

TECK

FILE# 81-1574 A

BURN # 1 GE16 11:45 16-OCT81

SK-3 170-180

IS
1351

SK-3
170-180

MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	Au
7.2	144	6.1	295	.609	16	30	562	5.83	14	.005
U	IS	TH	IS	CD	SB	BI	V	CA	P	
1.6	4.7	.57	1872	1.4	.55	.34	111	.89	.10	
LA	IN	MG	BA	TI	B	AL	IS	IS	V	
5.7	2.2	1.9	.00	.31	13	2.0	30	7.3	.88	

*HO/9497
EGC

BURN # 1 GE16 11:46 16-OCT81

SK-3 180-190

1351

SK-3
180-190

MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	Au
5.6	139	8.1	312	.655	13	25	582	5.89	16	.005
.28	5.1	.57	2213	1.9	-.7	.5	96	1.9	.09	
5.0	2.4	1.3	.00	.29	13	1.9	29	8.2	1.3	

*0/9483
EGC

BURN #	1	GE16	11:31	16-OCT81	SK-4	210-220	Au			
1351										005
SK-4	3.0	97	.4	61	.179	54	22	648	3.44	18
210-220	2.3	2.8	.62	2208	.69	-3.1	.93	98	3.3	.08
	4.3	1.6	1.1	.00	.27	9.0	1.3	45	8.6	.37

*0/9484
EGC

BURN #	1	GE16	11:32	16-OCT81	SK-4	280-290	Au			
1351										005
SK-4	1.4	119	2.6	84	.605	31	18	451	3.67	17
280-290	.36	3.1	.77	2193	.44	-2.1	.71	99	2.7	.08
	5.3	1.8	1.1	.00	.25	9.2	1.2	53	8.1	.54

*0/9485
EGC

BURN #	1	GE16	11:33	16-OCT81	SK-4	290-300	Au			
1351										005
SK-4	.86	123	1.4	78	.624	76	26	387	3.77	16
290-300	1.4	2.7	.84	1937	.32	-3.1	.93	106	1.3	.07
	5.4	1.2	2.1	.00	.23	8.1	1.7	89	7.0	.29

*0/9486
EGC

BURN #	1	GE16	11:34	16-OCT81	SK-4	300-310	Au			
1351										005
SK-4	1.2	64	4.2	58	.303	383	42	327	3.32	9.3
300-310	3.0	.59	.47	2008	.66	-5.1	3.4	57	1.7	.05
	4.2	.70	3.7	.00	.16	7.9	2.3	381	7.5	.00

H0/9487
EGC

BURN #	1	GE16	11:34	16-OCT81	SK-4	310-320	Au			
IS										005
1351										
MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	
2.2	61	2.2	38	.087	595	54	250	2.62	11	
SK-4	U	IS	TH	IS	CD	SB	V	CA	P	
310-320	4.1	-1	.41	2128	.56	-6.1	5.0	62	2.4	.04
	LA	IN	MG	BA	TI	B	AL	IS	IS	W
	3.4	.58	3.8	.00	.15	7.0	2.0	564	7.8	.2

*0/9467
EGC

BURN #	1	GE16	11:14	16-OCT81	SK-5	120-130	Au			
1351										005
SK-5	.58	35	+1	38	.165	788	62	395	3.06	10
120-130	7.0	2.6	.37	2364	.69	-13.1	7.4	51	3.9	.03
	4.0	2.7	6.7	.00	.05	40	1.3	168	9.7	.50

HO/9468
EGC

BURN # 1 GE16 11:14 16-OCT81

SK-5 220-230

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1351

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CA

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V

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Av
•005

*HO/9469
EGC

BURN # 1 GE16 11:16 16-OCT81

SK-5 340-350

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*O/9470
EGC

BURN # 1 GE16 11:16 16-OCT81

SK-5 350-360

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*O/9471
EGC

BURN # 1 GE16 11:17 16-OCT81

SK-6 110-120

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16

39

3•5

1•9

•533

125

102

4•01

2•7

8•5

8•4

•06

•35

•005

*O/9472
EGC

BURN # 1 GE16 11:18 16-OCT81

SK-6 120-130

1351

1•6

•40

6•2

103

3•5

1•8

•6

•64

1•9

129

2348

•00

•176

•1•4

•35

66

~~31~~

13

27

1•3

2•0

•581

147

66

4•29

1•9

7•6

16

•08

•1•0

•005

*O/9473
EGC

BURN # 1 GE16 11:19 16-OCT81

SK-6 310-320

1351

2•9

•14

6•0

129

4•6

3•2

•26

•47

1•3

76

2380

•00

•021

•1•1

•52

13

~~41~~

16

28

•5

1•9

•649

134

12

5•15

2•0

8•0

11

•09

•74

•005

*

HO/9474
EGC

BURN # 1 GE16 11:19 16-OCT81

SK-6 350-360

	IS	CU	PB	ZN	AG	NI	CO	MN	FE	AS
1351										
MO	3.6	186	4.0	94	.299	24	20	789	4.43	13
U	.2	3.7	.85	2151	.54	-2	.21	133	1.3	.12
LA	7.2	2.6	1.1	.00	.33	12	1.6	28	6.8	1.2

Av
.005

*HO/9475
EGC

BURN # 1 GE16 11:20 16-OCT81

SK-7 160-170

	IS	CU	PB	ZN	AG	NI	CO	MN	FE	AS
1351										
MO	.88	30	5.2	28	.170	990	71	365	3.31	5.6
U	6.8	.97	.35	1920	.04	171	8.0	42	.92	.03
LA	4.0	3.0	8.4	.00	.03	20	1.2	377	7.6	.4

.005

*HO/9476
EGC

BURN # 1 GE16 11:21 16-OCT81

SK-7 170-180

	IS	CU	PB	ZN	AG	NI	CO	MN	FE	AS
1351										
MO	.90	.62	2.2	29	.205	933	67	337	3.17	5.9
U	8.7	1.1	.11	2079	.32	141	7.6	44	1.2	.03
LA	4.0	4.1	7.5	.02	.03	17	1.4	341	7.6	1.2

.005

*HO/9477
EGC

TECK

FILE# 81-1574 A

PAGE: 3

BURN # 1 GE16 11:26 16-OCT81

SK-7 180-190

	IS	CU	PB	ZN	AG	NI	CO	MN	FE	AS
1351										
MO	.12	16	2.5	29	.075	940	67	348	3.01	5.4
U	8.5	1.1	.15	1788	.10	141	7.9	41	1.1	.03
LA	2.4	2.4	7.6	.01	.02	17	1.4	331	7.8	.3

Av-ppm
.005

*HO/9478
EGC

BURN # 1 GE16 11:27 16-OCT81

SK-7 230-240

	IS	CU	PB	ZN	AG	NI	CO	MN	FE	AS
1351										
MO	.00	41	5.3	29	.094	880	64	304	2.93	5.5
U	7.9	.47	.10	1958	.08	141	7.6	45	1.7	.03
LA	2.4	2.6	7.3	.02	.02	14	1.3	363	8.2	.40

.005

*0/9479
EGC

BURN # 1 GE16 11:28 16-OCT81

SK-7 240-250 Au

	1351										
SK-7	.29	29	25	26	.140	906	65	321	2.95	9.5	.005
240-250	9.3	.86	.17	1979	.1	14	7.4	43	1.6	.03	
	2.5	2.7	<u>7.4</u>	.01	.02	14	1.3	378	8.0	.08	

*0/9480
EGC

BURN # 1 GE16 11:29 16-OCT81

SK-7 250-260

	1351										
SK-7	.2	18	72	27	.089	945	68	332	3.05	3.8	.005
250-260	8.5	.70	.06	1926	.17	15	7.7	42	1.5	.03	
	2.5	1.4	<u>7.6</u>	.01	.02	16	1.3	386	8.2	.08	

ACME ANALYTICAL LABORATORIES LTD.

852 E HASTINGS ST. VANCOUVER, B.C. V6A 9R6
(604) 253-3158 TELEX 04-53124

ICP GEOCHEMICAL ANALYSES

=====

A .500 GRAM OF SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 NITRIC ACID TO HYDROCHLORIC ACID TO WATER AT 90 DEG. C FOR 1 HOUR. THE SAMPLE IS DILUTED WITH WATER TO 10.0 ML. THE RESULTS ARE REPORTED IN PPM EXCEPT FOR : FE, CA, P, MG, BA, AND AL WHICH IS IN PERCENT. THIS LEACH IS PARTIAL FOR: CA, P, MG, AL, TI, LA, AND W. VERY LITTLE BA IS DISSOLVED. IS = INTERNAL STANDARD.

*

APPENDIX C

CLAIM DATA
AND
STATEMENT OF EXPLORATION AND DEVELOPMENT

NOTICE TO GROUP

M.P. 162 of S. 6, 430100
VANCOUVER, B.C.

Mining Division Liard Location Schaft-Mess Creeks

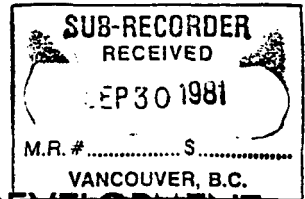
Name of group Skeeter Map No. 104 G/7W

We, the undersigned owners* of the following adjoining claims, desire to group them according to the provisions of the Mineral Act:-

NAME OF CLAIM	No. of Units	Record No.	Month of Record	SIGNATURE OF OWNER*	Free Miner Certificate No.
Swamp	12	1306	Jun	<i>A. I. Betmanis</i>	
Hill	1	1308	Jun	A. I. Betmanis	203586
Side Hill	6	1307	Jun	Agent for	
P 1-3	3	71311-13	Jun	Teck Corporation	203630
P 5-13	9	71315-23	Jun		
P 15-53	39	71325-63	Jun		
P 57 Fr-59 Fr	3	71367-69	Jun		
BB 1-10	10	42403-12	Mar		
BB 12	1	42414	Mar		
BB 21-30	10	42423-32	Mar		
BB 80 Fr	1	42482	Mar		
LL 21 Fr	1	53018	Aug		
LL 22 Fr	1	53019	Aug		
X-Ray 1	1	71752	Aug		
X-Ray 2	1	71753	Aug		
Dave 11 Fr	1	46013	Aug <i>AD</i>		
	<u>150</u>				



Province of British Columbia
 Ministry of Energy, Mines and Petroleum Resources
 MINERAL RESOURCES BRANCH-TITLES DIVISION
 MINERAL ACT



STATEMENT OF EXPLORATION AND DEVELOPMENT

I, ANDRIS I. BETMANIS Agent for TECK CORPORATION
 (Name) (Name)
1988 ARROYO COURT 1199 WEST HASTINGS STREET
 (Address) (Address)
NORTH VANCOUVER, B.C. VANCOUVER, B.C.
 Valid subsisting F.M.C. No. 203586 Valid subsisting F.M.C. No. 203630

STATE THAT

1. I have done, or caused to be done, work on the P26, P30, P37, P38, P39, P41, P53 Claim(s)
 Record No.(s) 71336, 71340, 71347, 71348, 71349, 71351, 71363
 Situate at SCHAFT CREEK in the LIARD Mining Division,
 to the value of at least \$122,715.00 dollars. Work was done from the 29th day
 of AUGUST 19 81, to the 12th day of SEPTEMBER 19 81

2. The following work was done in the 12 months in which such work is required to be done:

(COMPLETE APPROPRIATE SECTION(S) A, B, C, D, FOLLOWING)

A. PHYSICAL (Trenches, open cuts, adits, pits, shafts, reclamation, and construction of roads and trails)
 (Give details as required by section 13 of regulations.)

	COST
TOTAL PHYSICAL	

I wish to apply S of physical work to the claims listed below.
 (State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

.....

.....

.....

B. PROSPECTING (Details in report submitted as per section 9 of regulations.)
 (The itemized cost statement must be part of the report.)

	COST

I wish to apply S of this prospecting work to the claims listed below.
 (State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

.....

.....

.....

C. DRILLING (Details in report submitted as per section 8 of regulations.) 2,727 feet of N.Q. diamond drilling in DDHs SK-1 to 7 at \$45/foot. Report to follow on completion of property drilling program. (The itemized cost statement must be part of the report.)	COST \$122,715.00
D. GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL (Details in report submitted as per section 5, 6, or 7 of regulations.) (The itemized cost statement must be part of the report.) (State type of work in space below.)	
TOTAL OF C AND D .. \$122,715.00	

Who was the operator (provided the financing)? Name **TECK CORPORATION**
Address **1199 WEST HASTINGS STREET**
VANCOUVER, B.C.

Portable Assessment Credits (PAC) Withdrawal Request		AMOUNT
Amount to be withdrawn from owner(s) account(s):		
	Name of Owner	
(May be no more than 30 per cent of value of the approved work submitted as assessment work in C and (or) D.)	1. TECK CORPORATION	\$5,885.00
	2.	
	3.	
	4.	
TOTAL WITHDRAWAL		\$5,885.00
TOTAL OF C AND (OR) D PLUS PAC WITHDRAWAL		\$128,600.00

I wish to apply \$ **128,600.00** ... of this work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

4 years to **SWAMP** (12 units, 1306, Jun) @ \$200 per unit
 4 years to **SIDE HILL** (6 units, 1307, Jun) @ \$200 per unit
 4 years to **HILL** (1 unit, 1308, Jun) @ \$200 per unit
 7 years to each of **P1-3** (71311-13, Jun), **P5-13** (71315-23, Jun), **P15-53** (71325-63, Jun), **P57 Fr to P59 Fr** (71367-69, Jun), **BB1-10** (42403-12, Mar), **BB12** (42414, Mar), **BB21-30** (42423-32, Mar), **BB80 Fr** (42482, Mar), **LL21 Fr** (53018, 19, Aug), **X-Ray 1, 2** (71752-53, Aug) **Dave 11 Fr** (46013, Aug) @ \$200 per claim. & **LL22 Fr**

Value of work to be credited to portable assessment credit (PAC) account(s).

(May only be credited from the approved value of C and (or) D not applied to claim(s).)

		Name	AMOUNT
In owner(s) name.	1.		
	2.		
	3.		
In operator(s) name (party providing the financing).	1.		
	2.		
	3.		

A. Retman
(Signature of Applicant)

APPENDIX D

COSTS OF EXPLORATION

STATEMENT OF COSTS

During the 1981 summer season Teck Explorations Ltd. drilled a total of 36,818 feet on the Schaft Creek properties, including 2,727 feet on the Skeeter Group. Total drilling costs invoiced by Thirty-Two Albert Crescent Ltd. and paid for by Teck were \$1,349,325.40, or an equivalent of \$36.65 per foot drilled.

1. Thirty-two Albert Crescent Ltd.		
2,727 feet NQ core drilling @ \$36.65/foot		\$ 99,944.55
2. Quasar Aviation Ltd.		
22.4 hours helicopter support @ \$375/hour dry	8,400.00	
23 gal./hour fuel @ \$5.00/gal. on site	2,576.00	
3. Yukon Airways Ltd.		
11.8 hours helicopter support @ \$450/hour wet		5,310.00
4. Grant Stewart Construction Ltd.		
D6D bulldozer rental, half month @ \$4,950/month	2,475.00	
50 hours operating time @ \$46.60/hour	2,380.00	
90 hours standby time @ \$27.60/hour	<u>2,484.00</u>	
	TOTAL	<u>\$123,569.55</u>

This amount exceeds the declared amount on our Statement of Exploration and Development, and does not include camp costs, transportation costs of equipment and supplies from Terrace, Iskut or Dease Lake to Schaft Creek, geological logging costs, supervision costs, etc. The above costs are partial costs that are applicable to assessment work.


A. I. Betmanis, P.Eng.