ARIS SUMMARY SHEET

District Geologist, Smithers Off Confidential: 91.10.11

ASSESSMENT REPORT 20378 MINING DIVISION: Omineca

PROPERTY: Dome Mt.
LOCATION: LAT 54 44 45 LONG 126 37 00
UTM 09 6068899 653411
NTS 093L10E

CAMP: 043 Babine Range

CLAIM(S): Grizzly (L.2909),Cope 1-2,Wallace (L.2911),No. 2 (L.2900)
OPERATOR(S): Teeshin Res.
AUTHOR(S): L'Orsa, A.T.
REPORT YEAR: 1990, 149 Pages
COMMODITIES
SEARCHED FOR: Gold,Copper,Lead,Zinc,Silver
KEYWORDS: Jurassic,Hazelton Group,Basalts,Andesites,Sandstones,Siltstones
Shear zones,Carbonate veins,Gold,Chalcopyrite
WORK
DONE: Drilling,Geochemical
DIAD 3325.1 m 28 hole(s);NQ
SAMP 334 sample(s) ;ME
RELATED
REPORTS: 10684,15614,15659,18620,19498,19510
MINFILE: 093L 022,093L 276,093L 277

LOG NO: 10-16 RD.
ACTION:
FILE NO:

REPORT ON

DIAMOND DRILLING

NOVEMBER 1989 TO JANUARY 1990

DOME MOUNTAIN

Omineca Mining Division
British Columbia

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

Smithers, B.C.
12 March 1990

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,378

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INTRODUCTION

This report accompanies the drill logs of two diamond drilling programs that were completed on Dome Mountain during late 1989 and January 1990. The purpose of these programs was to explore the Boulder structure, guided by I.P. anomalies (Scott, 1989), and to further delineate the known Boulder zone orebody. The first program started on 24 November and finished on 9 December 1989. Fourteen holes, numbered D89-1 through 14, were drilled for a total of 1645.31 metres (5398 ft). These holes were divided between the eastern extension of the Boulder structure and the western end of the Boulder zone orebody. The second program began 11 January and ended 25 January 1990, and was done partly in selected areas of the eastern extension of the Boulder structure (D90-1 through 6), and in part adjacent to the eastern end of the known Boulder zone orebody (D90-7 through 14), for a total of 1679.75 metres (5511 ft).

The contractor was J.T. Thomas Diamond Drilling Ltd of Smithers, British Columbia. The drill used was a Longyear 44 and the core size is NQ. The core is stored in Smithers by Teeshin Resources Ltd. Assays and geochemical analyses were done by Min-En Laboratories of North Vancouver, B.C. Coordinates shown on the logs and used for plotting holes are field coordinates.

Three geologists worked on the project. David Melling contributed to the planning and core logging of the first program. Hans Smit logged some of the core from the first program, and helped with the planning and logged all the core from the second program. I was involved throughout both programs.

LOCATION AND ACCESS

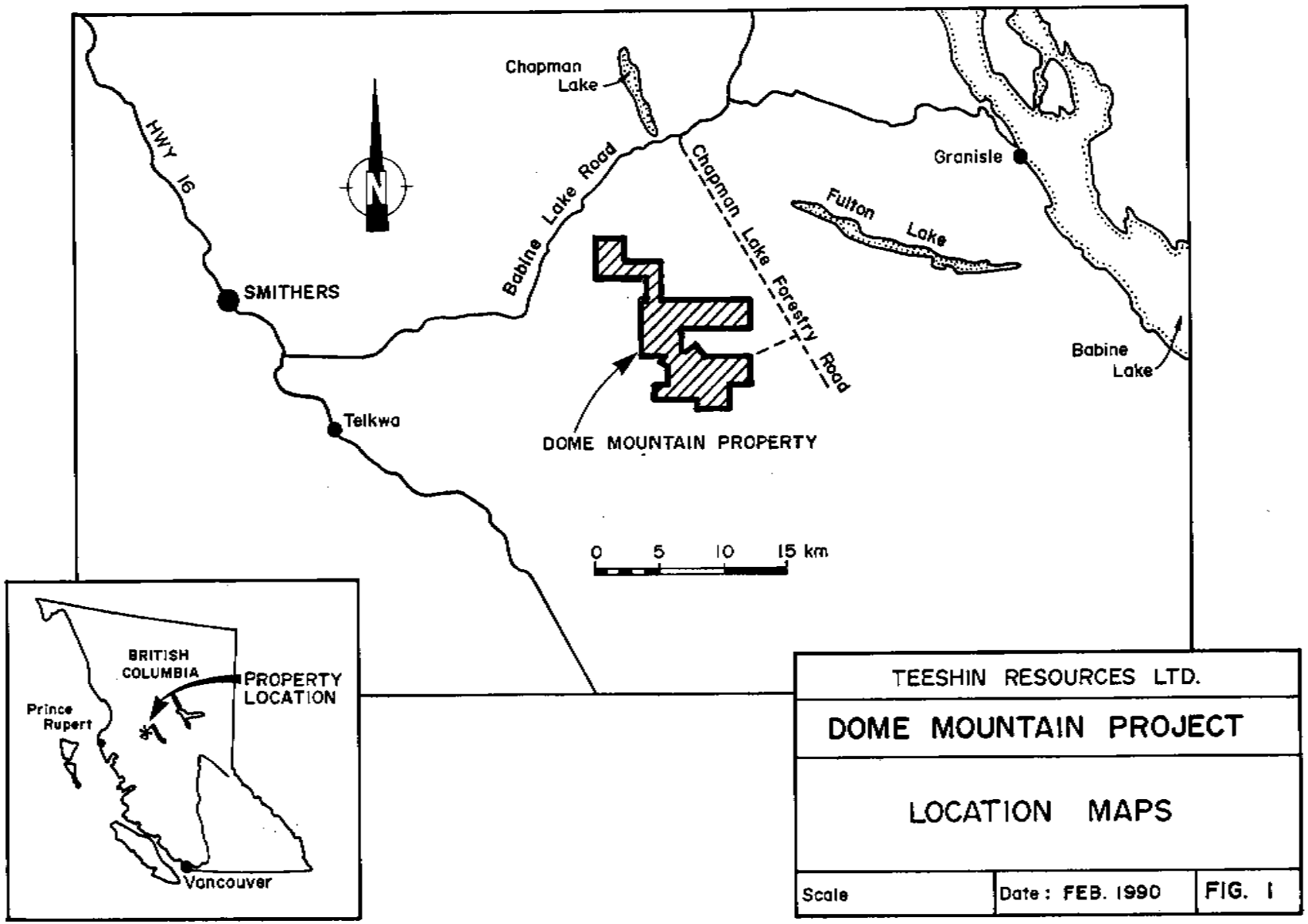
Dome Mountain is 31 km east of Smithers, British Columbia, at 54° 45' north latitude and 126° 39' west longitude, and is shown on maps 93L/10 and 15. The Chapman Lake Forest Road provides good access all year from either Smithers or Houston to the eastern base of the mountain. A branch road leaves the main road at about 68.75 km and provides 4-wheel drive access through the claims. The distance to the branch road from Smithers is approximately 62 km.

The drill holes that are the subject of this report were all drilled in the Boulder Creek area, on the southeastern side of the mountain, at elevations from 1270 to 1429 metres above sea level. The area is generally free of snow from June until October.

PHYSIOGRAPHY

Dome Mountain is a glacially rounded summit that reaches an elevation of 1753 metres above sea level and marks the most southeasterly occurrence of alpine elevations in the Babine Range. The slopes of the mountain vary between gentle and and steep, but cliffs are rare. The middle and lower slopes support stands of balsam fir, spruce, pine, and a few deciduous species.

Several creeks, including Federal Creek and its major tributary Boulder Creek, run all year and can provide sufficient water for drilling and mining purposes.



TEESHIN RESOURCES LTD.

DOME MOUNTAIN PROJECT

LOCATION MAPS

Scale	Date : FEB. 1990	FIG. 1

CLAIMS AND OWNERSHIP

According to field data, the holes were collared on the following mineral claims:

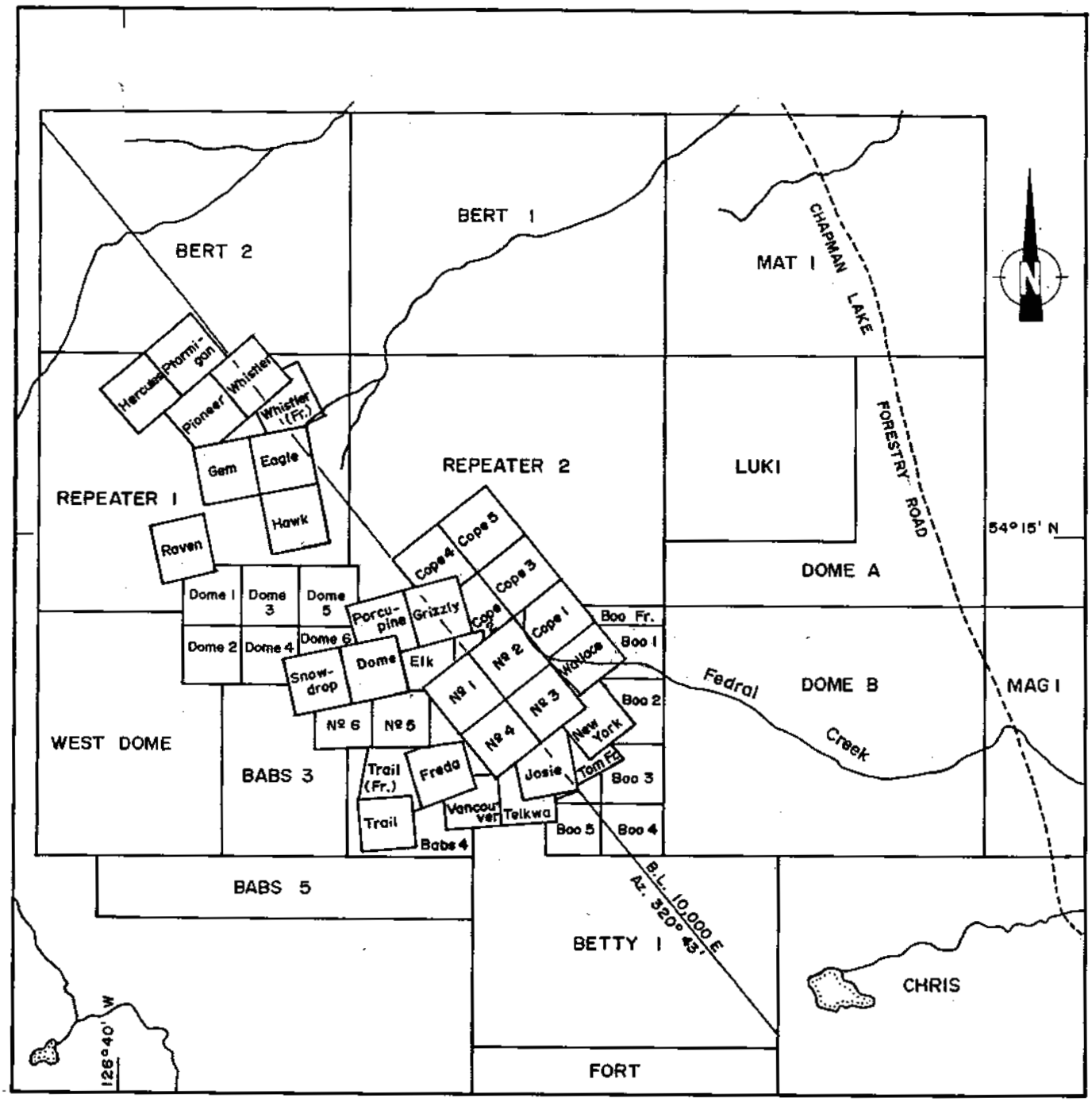
Hole	Claim	Record	Group
D89-1,2,5 D90-1,2,6-14	No. 2 (L2909)	1557	Forks
D89-3,6 D90-3,4,5	Cope 1	4500	Forks
D89-7,8	Cope 2	4501	Dome North
D89-9-14	Grizzly (L2900)	1530	Dome North
D89-4	Wallace (L2911)	1560	Forks

Teeshin Resources Ltd, 100 - 581 Argus Road, Oakville, Ontario, L6J 3J4, is the recorded holder of the claims, subject to various agreements.

PREVIOUS WORK

Mineral occurrences on Dome Mountain were first staked in 1898 by W.B. (Tom) Forrest (The Interior News, 26 September 1923). Considerable work, both surface and underground, was done in 1923-1924 by the Dome Mountain Gold Mining Co. Ltd, a subsidiary of American Smelting and Refining Co. of New York City. Very little was accomplished thereafter (except on the Freegold prospect -- a separate property) until 1984 when Noranda Exploration Co. Ltd optioned the claims and initiated a comprehensive program of geological, geochemical and geophysical surveys and diamond drilling (Myers, 1986) that is still in progress, but under the direction of M.P.D. Consultants Inc.

According to the records available to me, the total amount of



LOCATION MAP 93 L / 10E & 15E

0 1 2 3 km

Scale 1 : 50,000

TEESHIN RESOURCES LTD.		
DOME MOUNTAIN PROJECT		
CLAIMS ON DOME MOUNTAIN		
Scale 1 : 50,000	Date: FEB. 1990	FIG. 2

diamond drilling done on the property (excluding the Freegold prospect) is 18,399 metres (60,365 ft) in 224 holes.

As of the summer of 1989, undiluted geological reserves of 265,260 tons of ore grading 0.416 opt gold and 2.66 opt silver had been outlined by diamond drilling and in an exploration adit in the Boulder Creek area of the property (Melling, 1989).

GEOLOGY

Dome Mountain is on the Skeena Arch, near the southern edge of the Bowser Basin. The area is mainly underlain by island arc volcanic and sedimentary rocks of Early to Middle Jurassic age, cut by a few granitic to dioritic intrusions. The geology has been mapped by Tipper (1976), and the regional geological setting has been discussed by Tipper and Richards (1976).

The rocks exposed on Dome Mountain are predominately basaltic and andesitic pyroclastics that range from tuffs to volcanic breccias. Lapilli tuffs appear to be most common. The volcanic rocks are generally shades of red and grey. Sequences of sedimentary rocks, including volcaniclastic sandstones and graphitic siltstones, have been found on the western and southern slopes of the mountain.

Quartz veins containing gold, silver, and base metals occur in both volcanic and sedimentary rocks on Dome Mountain. The veins are structurally controlled and are associated with both brittle and ductile deformation. Alteration associated with the veins includes extensive zones of iron-magnesium carbonates and sericite, and local zones of silicification and albitization.

This deposit is of the general low-sulphide gold-quartz vein type outlined by Berger (1986). More specifically, the deposit belongs to the volcanic-associated vein and shear zone gold type reviewed by Thorpe and Franklin (1984), and by Colvine, et al. (1988).

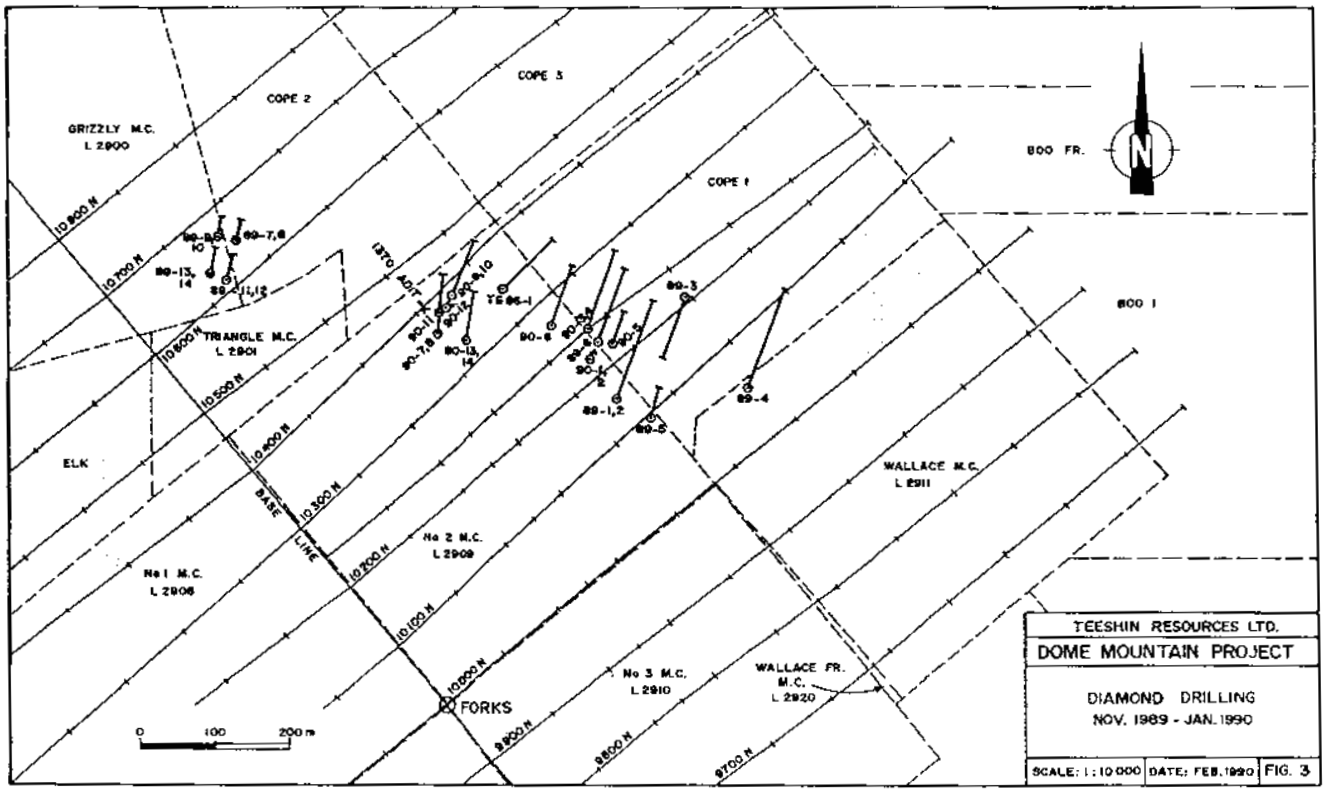


Fig. 3. Map showing claims and diamond drill holes.

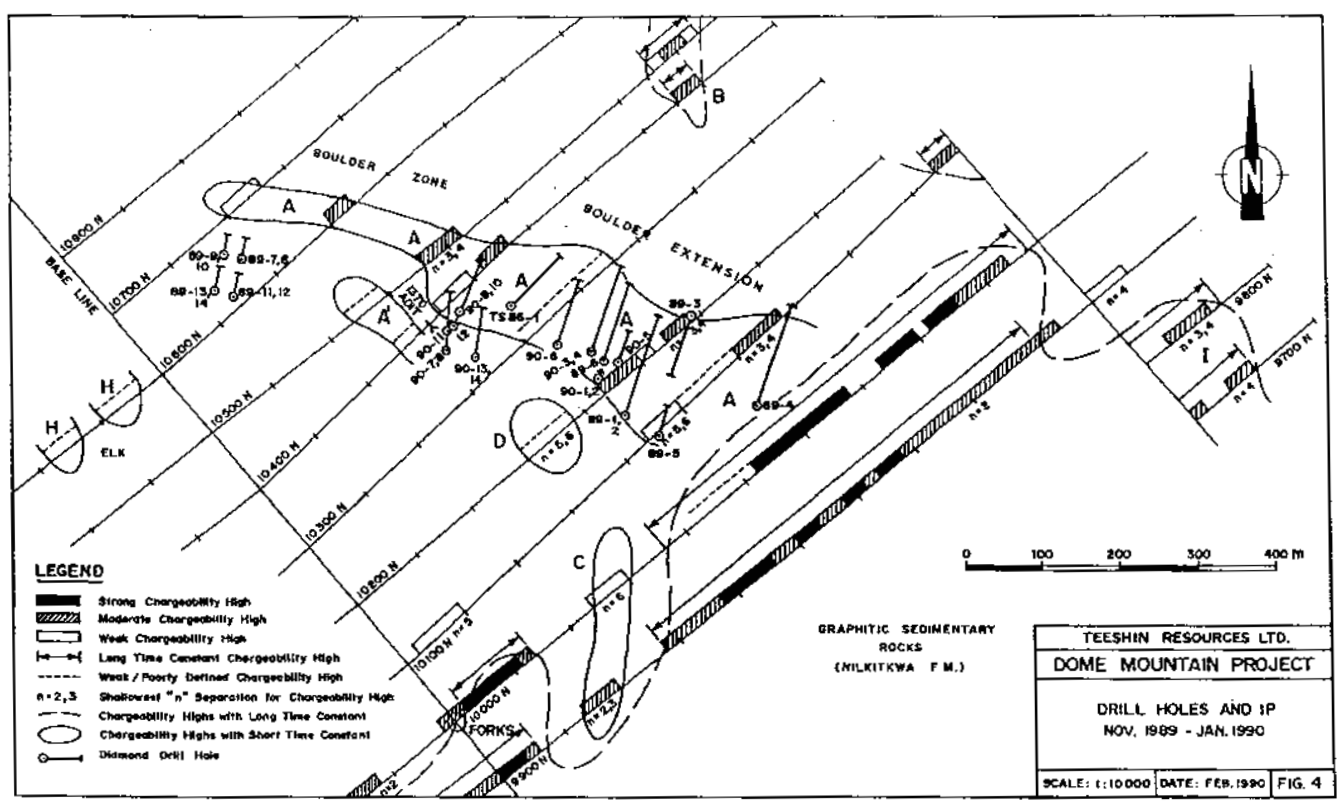


Fig. 4. Map showing IP anomalies and diamond drill holes.

DISCUSSION

These diamond drilling programs demonstrated that the mineralized Boulder structure extends for more than 400 metres east of the known Boulder zone orebody, and the structure is still open to the east. The drilling has also revealed a hydrothermally altered structural complex that includes several apparently more or less subparallel veins in the extended hanging wall of the Boulder structure, of which the "argillite" zone is a part.

There are several encouraging drill intersections in the eastern sector of the structural complex, including D89-6 which assayed 1.5 opt gold across 2 metres and D89-5 which assayed 0.63 opt gold across 1 metre in a wide (42 metres drill intersection) alteration zone. A petrographic examination of core from this alteration zone (D89-5 at 44.70 metres) revealed intense albitization with probable rutile, and this alteration assemblage is now recognized in several other holes drilled to the east of the present orebody. Some references to "silicification" in the drill logs probably refer to albitization. Albite is present and spatially associated with ore in a number of gold deposits of this type (e.g. Groves, et al., 1989, p.76). It appears that a new alteration zone characterized by albitization is becoming distinguishable along the eastern projection of the Boulder complex, and this alteration may have economic implications. It is possible that the albitization is related to a zone of mineralization at or close to the nearby, and yet to be tested, contact between the dominantly volcanic sequence of the explored Boulder structure and overlying graphitic sedimentary rocks of the Nilkitkwa Formation (Fig. 4). That contact area presents an attractive target in view of the association between volcanic/sedimentary contacts and significant gold deposits in many parts of the world (e.g. Groves, et al., 1987, p. 2048).

Drilling at the eastern end of the Boulder zone orebody resulted in the addition to reserves of about 24,000 tons of probable and possible ore grading 0.39 opt gold. The ore continues to the east at depth and more drilling is required in this direction. Drilling on the western side of the orebody yielded an excellent hole in D89-8 which assayed 0.47 opt gold across a true width of 4.11 metres, but the seven other holes in that area intersected sub-economic mineralization. However, D89-12 was stopped short of the main Boulder structure because at that time it was not realized how steeply the structure dips at depth.

Structure is clearly the dominant ore control on Dome Mountain. Several wide (e.g. up to 100 metres?) ductile to brittle shear zones are present on the mountain and all of these carry variable amounts of iron-magnesium carbonate alteration, and anomalous amounts of gold in quartz veins with sulphide minerals. Much structural work remains to be done. Mullions in the footwall of the main Boulder zone vein, exposed in the 1370 drift, rake steeply to the southeast. The Boulder zone orebody also rakes to the southeast in general terms, but much more gently, and the amount of mineralization in the zone appears to be reduced at depth by a steepening of the dip of the shear zone. Presumably a flattening of the shear zone at even greater depth would present the potential of more ore zones, but at present there are no data on the attitude of the Boulder structure for any significant distance below the Boulder zone orebody.

Whole rock analyses of three drill core samples collected during this program show relatively high amounts of sodium and low amounts of titanium compared with average rocks of this general type. Similar results were obtained in an

earlier analysis (L'Orsa, 1990). When the analytical results results are plotted on a total alkali against silica (TAS) diagram (Sabine, 1989), the amygdaloidal rock in D89-6 at 98.30 metres plots as a trachybasalt. Lapilli tuffs in D90-7 plot as basaltic trachyandesite at 17.30 metres and as andesite at 8.2 metres. The andesite had previously been called dacite by some workers. These results suggest the Dome Mountain rocks belong in the alkaline eastern suite of the Telkwa Formation as described by Tipper and Richards (1976, p.68), and I think it is worth noting that the presence of alkaline host rocks is a feature Dome Mountain shares with some notable gold mining districts (e.g. Richards, 1990, p.189).

CONCLUSIONS

Structure is the dominant ore control on Dome Mountain. The drill results demonstrated that the mineralized Boulder shear zone continues east of the known Boulder zone orebody for more than 400 metres, and the structure is still open to the east and at depth. The Boulder zone orebody is also open to the east and at depth, but with more restricted potential.

Drilling at the eastern end of the orebody resulted in the addition to reserves of about 24,000 tons of probable and possible ore grading 0.39 opt gold.

The Boulder shear zone is a structural complex, within which there are several gold-bearing veins in individual alteration envelopes, including the Boulder main vein and several mostly subparallel veins (e.g. "argillite" zone) in the extended hanging wall of the main vein. Alteration distribution suggests that some of the hanging wall veins may be the most significant

veins to the east of the present orebody.

Diamond drilling is still required to delimit ore reserves, and to help evaluate the Boulder structural complex at depth and to the east where a potentially significant target is presented by the projected intersection of the complex and a major contact between volcanic and graphitic sedimentary rocks. In addition, there are other shear zone related gold veins on the property that require drilling in the Forks and Chisholm areas.

Whole rock analyses suggest that the dominant volcanic rocks in the area of greatest interest on Dome Mountain are sodium-rich, titanium-poor, basalts and andesites.

A. L'Orsa, Geologist

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STATEMENT OF COSTS

DIAMOND DRILLING:	3325.06 m @ $82.02/m	$272,725.00
SUPERVISION, CORE LOGGING AND REPORT:	D.Melling, H.Smit and A.L'Orsa; 84 man days @ $437.50/day. J.Konefal; 13½ days @ $262.50/day	40,293.75
ANALYSES:	334 samples @ $22.00 each	7,348.00
SUPPLIES AND TELEPHONE:		906.06
VEHICLE:	4X4 truck, 35 days @ $60/day	2,100.00
		$323,372.81

A. L'Orsa

Anthony L'Orsa

CERTIFICATE

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, La., 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

Petrographic Report

Vancouver Petrographics Ltd.

JAMES VINNELL, Manager
JOHN G. PAYNE, Ph.D. Geologist
CRAIG LEITCH, Ph.D. Geologist
JEFF HARRIS, Ph.D. Geologist
KEN E. NORTHCOTE, Ph.D. Geologist

P.O. BOX 39
8080 GLOVER ROAD,
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PHONE (604) 888-1323
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Report for: Anthony L'Orsa,
R.R. 2, SMITHERS, B.C.
V0J 2N0

Invoice 8782

January 29th, 1990

Samples:

1 drill core sample, designated D 89-5 44.70m., for sectioning and petrographic description.

Summary:

The rock is a sparsely porphyritic felsite, of notably leucocratic composition. It is composed almost entirely of plagioclase, and is fresh but for dispersed grains and clumps of carbonate of deuteric aspect. It is cut by occasional quartz and quartz-carbonate veinlets.

A detailed description is attached.

J.F. Harris Ph.D.

(929-5867)

SAMPLE D89-5 44.70 **FELSITE**

Estimated mode

Plagioclase	88
Carbonate	9
Quartz	2
Opaque dust) Rutile)	1
Chlorite	trace
Pyrite	trace
Chalcopyrite	trace

This rock is a highly leucocratic, sparsely porphyritic, igneous rock of notably simple composition.

It consists essentially of scattered euhedral-subhedral phenocrysts of fresh plagioclase, 0.2 - 1.5mm in size, in an even, minutely fine-grained groundmass of felsitic plagioclase, of grain size 5 - 20 microns.

The groundmass includes occasional diffuse patches of slightly coarser, feathery or meshwork-textured plagioclase (of grain size 0.05 - 0.1mm) which sometimes have the aspect of xenoliths - though they generally show diffuse, semi-gradational outlines. For the most part they are probably just localized patches of slightly coarser crystallinity within the aphanitic groundmass. This slightly coarser crystal development is sometimes also seen fringing the phenocrysts.

The somewhat fragmental appearance of the etched cut-off block is not recognizable in thin section.

Micron-sized opaque dust (mainly rutile?) occurs as a patchily disseminated minor constituent of the groundmass. It also concentrates as a number of sinuous, stylolite-like wisps.

The only substantial constituent, other than plagioclase, is carbonate. This occurs throughout the groundmass as scattered, tiny, subhedral individuals of porphyroblastic aspect, as coarser aggregated clumps to 1mm or so in size, and as irregular veniform bodies. The clumps and veniform bodies commonly include intimately intergrown, microgranular plagioclase, and appear to be late-magmatic or deuteric segregations. The carbonate is unreactive to dilute acid, and is probably dolomite or ankerite. Some carbonate clumps are rather strongly dusted with inclusions of the micron-sized opaques.

Traces of felted chlorite are associated with a few of the carbonate concentrations, and also occur as rare, tiny, dispersed flecks.

The slide is cut by several distinct veinlets, 0.3 - 1.5mm in thickness, composed of quartz and (in the case of some of the thinner ones) quartz, carbonate and granular plagioclase.

Sample D 89-5 44.70 cont.

Rare traces of sulfides, in the form of tiny disseminated euhedra of pyrite and specks of chalcopyrite, 0.02 - 0.1mm in size, occur randomly disseminated in the groundmass. Their distribution shows no relation to the carbonate clusters or the veinlets.

The plagioclase phenocrysts in this rock have the optical properties of albite, whilst the composition of the groundmass (based in R.I.) appears slightly more calcic.

This rock has the texture and mineralogy of a fine-grained, highly leucocratic but quartz-poor dyke rock of the bostonite-albitite family (sometimes known as "alkali syenite aplites").

The "black alteration" is not clearly apparent in thin section. It possibly represents concentrations of the opaque dust, sometimes in carbonate clumps. In thin section the rock appears strikingly fresh, apart from the carbonate clumps and veinlets.

APPENDIX 2

Drill Logs

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME
HOLE NO. D89-1 LENGTH 197.2 m (647')
LOCATION EAST OF BOULDER CREEK
LATITUDE ~68561 (101462)N DEPARTURE ~53507 E (104+40 E)
ELEVATION ~1305 AZIMUTH 020° DIP -42
STARTED 24 NOV 89 FINISHED 26 NOV 89

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH
197.2	-55°				

HOLE NO. D89-1 SHEET NO. 1 of 7
REMARKS
LOGGED BY H. SMIT

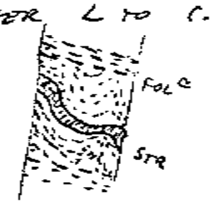
METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
0	4.6	CASING - pulled.										
4.6	17.1	ALTERED VOLCANICS GREEN TO BUFF ALTERED VOLCANIC TUFF; MINOR LAPILLI VISIBLE; BROKEN, BLOCKY CORE; 80% RECOVERY (4.6-5.5) GREY TO BUFF, i-Silica, VERY HARD; A NUMBER OF NARROW (UP TO 3 cm) PODDY QSTES RUN SUBPARALLEL TO C.A.; ORANGE WEATHERING CARBONATE AND MINOR FINE PY IN FRACTURES IN VOLCS (5.5-8.5) MED TO DARK GREEN (CHL.) WITH PATCHY BLEACHED ZONES ∃ INCIPIENT Ser-QTZ-CARB OVER CHL ALT^{N}; MINOR LATE CHL ON FRACTURES IN ALT^{N} ZONES; MINOR FINE PY ∋ Ser-Si ALT^{N} (8.5-17.1) BLEACHED, INTENSE Ser ± VARIABLE Si + CARB, MINOR TALC, CHL IN FRACTURES; TRACES OF BRIGHT GREEN MICA; 1-1% VERY FINE GRAINED PY, MOSTLY IN FRACTURES; ALT^{N} DECREASES RAPIDLY AT LOWER END OF INTERVAL; FOLIATION @ 70° TO C.A. OUTLINED BY <0.5 cm CLASTS.	4593 4596 4597	Tr Tr 1%	4.8 11.3 14.5	5.5 12.3 15.0	0.7 1.0 0.5			0.001 0.001 0.001	0.01 0.01 0.01	20% TO 40%
17.1	28.9	LAPILLI TUFF RED/MAROON; MOSTLY <1 cm CLASTS, MATRIX SUPPORTED; STRONG FOLIATION/CLAST ELONGATION @ 70° TO 45° TO C.A.; MINOR INCREASING TO MOD BANDS OF GREEN TO BLEACHED ALT^{N} CORE (MOSTLY <4 cm); ALT^{N} IS Ser-CARB ± MINOR BRIGHT GREEN MICA; WEAK TO MOD <0.5 cm CARB STKS @ VARIOUS L'S TO C.A. (CONT.)										17.1-28.9 90%

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: DOME

HOLE NO.: D89-1 SHEET NO.: 2 of 7

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	% SULPHIDES	METRES FROM	METRES TO	METRES TOTAL	%	%	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	
17.1	28.9	LAPILLI TUFF (CONT.) 23.5m) CONTACT BETWEEN A CLAST RICH AND A CLAST POOR LAYER; FOLIATION IS PARALLEL TO THE CONTACT (45° TO C.A.) (25.2 - 26.2) MOD TO INT. ALTⁿ, (Ser ± Dol ± Si), + GREEN SER. 2 TO 1cm QSTR w/ PY @ ± 45° TO C.A. @ 26m w/ INTENSILY DEFORMED HW; FW SHOWS MICRO-FOLDING; FOLⁿ SUBPARALLEL TO STR, THEN A FEW CM AWAY IS AT A HIGHER ∠ TO C.A.  (26.2 - 28.9) FOLⁿ @ ± 70° TO C.A. 28.8) ANOTHER LAYER CONTACT @ 70° TO C.A.										
28.9	30.4	ALTERATION / STRINGER ZONE GREEN-GREY TO BUFF ALTD W.R. (MOD- Ser ± Chl ± Dol) WITH 15% QSTRS; QSTRS ARE WHITE QTZ, UP TO 3cm WIDE AND @ ± 70° AND IRREGULAR LOW ∠'S TO C.A.; MICROFOLDING OF STRS VISIBLE; HIGH ∠ FOLⁿ DISRUPTED BY LOW ANGLE STRS; STRS CONTAIN UP TO 30% MED. GRAIN PY PLUS UP TO 2% CPY; MINOR PY DISSEM IN W.R.	4594	4%	28.9	29.8	0.7			0.081	0.41	28.9-30.4 85%
			4595	4%	29.6	30.4	0.8			0.073	0.17	
30.4	31.8	VOLCANIC TUFF MOSTLY < 0.4cm CLASTS; STRONG FOLⁿ @ 70° TO 80° TO C.A.; RED/MAROON; UP TO 1cm WHITE CARB PODS, ELONGATED w/ FOLⁿ COMMON IN LOWER PART OF INTERVAL										30.4-31.8 90%

LANGRIDGES – TORONTO – 306-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D89-1 SHEET NO. 3 of 7

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	% SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
31.8	33.6	ALTERATION / STRINGER ZONE GREY-GREEN TO GREY-RED; MOD TO WEAK SER-CHL-CARB; 5% QTZ-CARB STRS UP TO 4cm WIDE + QTZ-CARB PATCHES; STRS @ 45° TO 60° TO C.A, SHOW MICRO-FOLDING OF COMPOSITE LAYERS; UP TO 30% PY, MINOR CPY IN STRS; Tr TO 2% PY DISSEM IN W.R. (HIGHEST BY STRS). W.R. IS A FOLIATED LAPILLI TUFF W FOLN @ HIGH ∠'S TO C.A.	4599 4599	1% 2%	31.8 32.7	32.7 33.6	0.9 0.9			0.014 0.005	0.01 0.12	31.8-33.6 85%
33.6	71.7	LAPILLI TUFF RED/MAROON; MOSTLY ∠4cm CLASTS; ABUNDANT CLASTS BUT STILL GENERALLY MATRIX SUPPORTED; MINOR TO OCCASIONALLY MOD Cc IN STRS, PATCHES, FRACTURE COATINGS; RARE CARBONATE STRS UP TO 4cm WIDE; WEAK TO MOD. FOLN SHOWN BY CLAST ALIGNMENT; SOME CLAST ELONGATION; @ 50° TO 70° TO C.A.; FOLIATION DECREASES IN INTENSITY DOWN HOLE 58.0-58.1 QTZ-CARB-CHL STRS @ 60° TO 70° TO C.A.; ABUNDANT CHLORITIZED W.R. FRAGS; ONLY MINOR ALTN OF W.R.; NO VISIBLE Sx. 70.2-70.8 CLAY ON FRACTURES @ LOW (5 TO 30°) TO C.A.; SOME FOLN PARALLEL FRACTURES/SHEARS (70.8-71.7) BRICK-RED; CLASTS HARD TO MAKE OUT; MOD. IRREGULAR ∠0.5cm CARB STRS										33.6-70.2 90% 70.2-70.8 0% 70.8-71.7 90%
71.7	80.0	AMYGDAL. FLOWS / XTL TUFFS ⇒ BASALT INTERCALATED AMYGDALOIDAL FLOWS AND LESSER CRYSTAL TUFFS; FLOWS ARE VERY DISTINCTIVE WITH A MED TO DARK RED/MAROON MATRIX (APHANITIC) AND ABUNDANT SPOTS AND AMYGDULES; LARGEST ARE UP TO 1cm CALCITE FILLED AND AMYGDULES; OTHERS ARE ∠0.3cm DARK RED CARBONATE RICH AMYG.; OTHERS MOSTLY ∠0.2cm GREEN EPIDOTE SPOTS (ALTERED PHENOS?); AND LESSER ∠0.2cm BLACK CHLORITIC SPOTS (ALTD FELD?); CALCAREOUS THRU-OUT; Cc IN STRS, PATCHES, PHENOS, AMYGDULES AND AS ALTN IN MATRIX AND PHENOS CRYSTAL TUFFS ARE FINE TO MED GRAIN; RED/MAROON; ABUNDANT Cc IN MATRIX; SOMETIMES THIN BEDDED (∠0.5 TO 4cm) (CONT.)										71.7-80.0 90%

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D89-1 SHEET NO. 4 of 7

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
71.7	80.0	AMYGDALOIDAL FLOWS / XTL TUFF (CONT.) OCCASSIONAL CARB ± S. ± EPID STRS @ LOW ∠'S TO C.A UP TO 4cm WIDE; BARREN, LITTLE W.R. ALT≅ 76.4 m) BEDDED TUFF; BEDDING @ 55° TO C.A.										
80.0	81.0	ALTERATION / STR ZONE WALLROCK ALT≅ TO GREEN (CHL-Ser ± CARB); FOL≅ +6mm/10cm STR @ 20° TO C.A + IRREGULAR STRS AND PODS; MAIN STR IS WHITE QTZ WITH GREEN CHL+ Ser in FRACTURES AND PARTINGS; CONTAINS 15% PY, 2 TO 4% CPY AND ± 4% PALE FINE GRAIN SPHALERITE; Sx IN BANDS OF i-Sx SUBPARALLEL STR BOUNDARIES; MINOR PY IN W.R.	4600	5%	80.0	81.0	1.0			0.149	0.66	80.0-81.0 60%
81.0	97.2	AMYGDALOIDAL FLOWS / XTL TUFFS -AS FROM 71.7 TO 80.0 m. (82.9-83.5) ALT≅ GREEN (CHL ±Ser); WEAK SHEARING @ ± 50 TO 60° TO C.A. (89.0-95.9) CARB ± QTZ STRS UP TO 8cm MOD. COMMON @ VARYING, MOSTLY HIGH ∠'S TO C.A.; BARREN, LIMITED ALT≅ (95.4-97.2) ALT≅ GREEN (CHL ±Ser ± Dol); MINOR PY IN ∠0.5cm CARB-QTZ STRS	4601	∠0.5%	95.9	97.2	1.3			0.002	0.06	84.0-97.2 85 to 95%
97.2	97.9	QUARTZ VEIN (0.7m) CONTACTS @ 20° (UPPER) AND 45° (LOWER) TO C.A.; 0.15 M OF i- QTZ-FLOODED HW INCLUDED; VEIN IS MOTTLED MILKY WHITE, LESSER GREY QTZ + MINOR WHITE CARB; ABUNDANT FINE GRAIN Sx (20%); Sph > PY > CPY; CHL+Ser IN FRACTURES AND PARTINGS	4602	20%	97.2	97.9	0.7			0.474	1.23	97.2-97.9 95%

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D89-1 SHEET NO. 5 of 7

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	% SULPH IDES	METRES FROM	METRES TO	METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	Au OZ/TON	Ag OZ/TON	RQD
97.9	110.3	AMYGDALOIDAL FLOWS + CRYSTAL TUFF -AS BEFORE, BUT GENERALLY MORE BROKEN CORE; (97.9 - 98.3) GREEN GRADING TO RED/MAROON; FW TO VEIN; MOD QTZ-CARB PATCHES/STR DECREASING TO 0	4603	Tr	97.9	98.3	0.4m			0.002	0.10	97.9 - 98.5 95%
		(98.3 - 103.1) RED/MAROON; LOCALLY BROKEN CORE WITH MINOR TALC± CLAY± CARB ON FRACTURES; ABUNDANT IRREGULAR CARB ± MINOR S: PATCHES AND STRS; WEAK FOL± IN PLACES @ LOW TO MOD. L'S TO C.A.; MINOR LOST LOSS @ 100.6M										98.5 - 100.8 50%
		(103.1 - 105.6) ALT± TO GREEN (CHL ± SER. ± DOL); ABUT WHITE CARB ± LESSER QTZ STRS UP TO 8CM WIDE @ VARYING, MOSTLY LOW (±20°) L'S TO C.A.; SOME STRS SHOW QTZ ⊃ CARB CLASTS CUTTING EARLIER CARB; NO VISIBLE S; BROKEN CORE IN SECOND HALF OF INTERVAL; MINOR EPID ON FRACTURES	4604	—	103.1	104.3	1.2m			0.001	0.01	100.8 - 104.4 90%
			4605	—	104.3	105.6	1.3m			0.001	0.05	104.4 - 105.6 10%
		(105.6 - 110.3) MOD CL IN STRS, PATCHES AND MATRIX; RED/MAROON; SOMEWHAT DEFORMED LOOKING, ESPECIALLY NEAR BOTTOM @ MOD TO LOW L'S TO C.A.										105.6 - 110.3 90%
110.3	131.1	RED/MAROON CRYSTAL TUFFS FELDSPAR (0.5 TO 2MM) RICH CRYSTAL TUFF; BEDDING @ LOW (± 20°) L'S TO C.A.; WEAK TO MOD. FOL± SHOWN BY ELONGATION OF XTLS SUBPARALLEL TO BEDDING; WEAK TO MOD CHLITE W STRS AND PATCHES, STRS 1 ICM, @ HIGH L'S @ SUBPARALLEL FOL± TO BEDDING; MATRIX MUCH LESS CALCAREOUS THAN EARLIER AMYG. UNITS; CLAY ZONES WITH BROKEN CORE, SOME CORE LOSS FAIRLY COMMON SUBPARALLEL TO FOL±; 10CM GREEN ALT± @ 110.3M CLAY ZONES/BROKEN CORE @ 117M; 120.9M; 123.6 - 124.2M; 124.2 - 124.6M; 126.7M.										110.3 - 129.3 70%
		(129.3 - 131.1) FAULT ZONE; MOD TO HIGH CLAY, MOSTLY TALC; CONTACTS @ ± 35° (UPPER); ± 50° (LOWER) TO C.A.										129.3 - 131.1 0%

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D89-1 SHEET NO. 6 of 7

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au oz/ton	ASSAYS Ag oz/ton	RQD
131.1	187.19	GREEN VOLCANIC TUFF										131.1 - 187.2
		GREEN-GREY, MOSTLY XTL TUFF W ABNT FELD. PHENOS AND UP TO 3% <0.5mm CHLORITIZED MAFICS; FELD. MOSTLY 0.5 TO 1.0MM, WHITE TO PALE GREEN; GENERALLY QUITE MASSIVE WITH NO DISTINCT BEDDING ⇒ POSSIBLY FLOWS / SUBVOLCANIC INTRUSIVES; MINOR RED/PURPLE PATCHES ⇒ GREEN MAY BE LATER ALT^{N};											90%
		MINOR BEDS OF LAPILLI TUFF W UP TO 10cm CLASTS IN A CRYSTAL MATRIX; MATRIX AND MOST CLASTS ARE VERY SIMILAR IN APPEARANCE TO MAIN XTL TUFF; CONTACTS @ ± 40 TO 50° TO C.A.											
		MINOR CARB ± MINOR QTZ+CHL, 1-2cm STRS, BARREN, @ VARYING, BUT MOSTLY LOW ∠'S TO C.A.; MINOR CHL ± EPID ± CC IN FRACTURES; GENERALLY MOD. HARD, FAIRLY COMPETENT CORE											
		(161.8 - 169.2) RED-GREY TO BUFF, ABNT CARB ± S; FILLED MICRO FRACTURES; CENTERED ON 10 cm OF i- QTZ-SER-CLAY @ 164.5m											
		(169.2 - 174.4) MOD CARB ± S; STRS/PATCHES; 2cm; MOST COMMONLY @ ±45° TO C.A; MINOR PY IN WALL ROCK											
		(174.4 - 180.1) DARK GREY TO REDISH-GREY											
		(180.1 - 182.2) GREEN											
		(182.2 - 184.3) QTZ-CARB STRS											
		5% STRS WITH VARIABLE CARB AND QTZ UP TO 4cm WIDE @ LOW TO VERY LOW ∠'S TO C.A.; UP TO 10% PY IN THESE STRS; W.R. WEAK TO MOD SER ± CHL ± DOL ± MINOR PY	4606	1%	180.2	183.3	1.1			0.001	0.01	
			4607	2%	183.3	184.3	1.0			0.039	0.20	
		(CONT.)										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: DOME

HOLE NO. D89-1 SHEET NO. 7 of 7

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	KQD
131.1	187.19	GREEN VOLCANIC TUFF (CONT.) (184.3 - 185.9) MOD GREEN TO GREY; MINOR QTZ-CARB STRS; MOD, INCREASING TO INTENSE CLAST ELONGATION/ FOLIATION @ 50° TO C.A.	4408	Tr	184.3	185.9	1.6m			0.001	0.01	
		(185.9 - 187.19) INCREASINGLY BLEACHED TO INT. SER-CARB ± Si; ABNT CARB-Si PATCHES/FLOODING OVER LAST 30 cm; Tr INCREASING TO 3% DISSEM PY.	4409	1%	185.9	187.19	1.29m			0.001	0.02	
187.19	188.26	QUARTZ VEIN (1.07m) MOTTLED WHITE AND GREYISH QTZ + LESSOR CARB; ABUNDANT Sx; PY > Sph > CPY; PY MOD TO COARSE GRAIN W UP TO 3cm PATCHES; Sph QUITE DARK, IN PATCHES OF FINE GRAINS; CPY IN UP TO 0.5cm PATCHES; CONTACTS @ N45° TO C.A.; CAN'T TELL FOR SURE AS PREVIOUSLY CUT AND SAMPLED	4427	20%	187.19	187.76	0.57			0.093	0.89	187.19 - 188.26
			4428	20%	187.76	188.26	0.5			0.135	6.13	70%
188.26	197.2	VOLCANIC TUFF FELDSPAR RICH CRYSTAL TUFF AND MINOR LAPILLI TUFF AS BEFORE VEIN; LIGHT GREY-GREEN TO 190.2m, THEN MED TO DARK GREY-GREEN TO GREY; MINOR CARB ± MINOR Si STRS, <1cm THRU-OUT; MOD. FRACTURED, MOD. HARD CORE (188.26 - 189.26) MOD, DECREASING TO WEAK, Ser ± Dol ALT°; 2%, DECREASING TO TRACE, DISSEM FINE GRAINED PY	4410	1%	189.26	189.26	1.0			0.003	0.05	188.26 - 197.2 85%
	197.2	E.O.H.										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME
HOLE NO. D89-2 LENGTH 53.9m (177')
LOCATION EAST OF BOULDER CREEK. D89-1 set-up
LATITUDE 68561 (101+62.) N DEPARTURE ~53507 E (104+40 E)
ELEVATION 1305 m AZIMUTH — DIP -90
STARTED 26 NOV 89 FINISHED 27 NOV 89

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH

HOLE NO. D89-2 SHEET NO. 1 of 2
REMARKS —
LOGGED BY H. SMIT

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au oz/ton	ASSAYS Ag oz/ton	RQD
0	4.6	CASING - pulled										
4.6	23.6	ALTERED VOLCANICS VARIABLY Alt^{n} CHL OR Si-Ser ± CARB ALTERED; OCCASIONALLY REMNANT LAPILLI TUFF TEXTURE VISIBLE; VERY BLOCKY TO HIGHLY BROKEN CORE; ZONES OF LOST CORE										4.6 - 10.0 40%
		(4.6 - 7.8) MED TO DARK GREEN (CHL) ≈ 30% PATCHY BLEACHED Si-Ser ± CARB Alt^{n}; MINOR MM WIDTH, IRREGULAR QTZ STRS; 80% RECOVERY								0.001	0.01	
		(7.8 - 10.0) i- Si + Ser + ABUNDANT WHITE QTZ FLOODING; IRREGULAR QTZ STRS; TRACE DISSEM PY; BLOCKY; 95% RECOVERY	4611 4612	Tr Tr	7.8 8.9	8.9 10.0	1.1 1.1			0.001	0.01	10.0 - 14.3 5%
		(10.0 - 14.3) VERY BROKEN CORE; RUBBLE BY 11.3m; 50% RECOVERY, i-Ser ± CLAY ± CARB; MINOR Si IN FRACTURES										14.3 - 20.0 70%
		(14.3 - 20.0) GREY TO BUFF; GREY PERVASIVE Alt^{n} ON FRACTURES; POSSIBLY SOME GRAPHITE CONTENT; FOL^{n} @ ±60° TO C.A. FOR LAST 40 CM; MINOR MM WIDTH DISCONTINUOUS WHITE QTZ STRS; i-Ser ± CARB ± MINOR CLAY, Si; 95% RECOVERY; Tr TO 2% DISSEM PY	4613	2%	14.3	16.9	1.7			0.001	0.09	
		(20.0 - 23.6) BLEACHED/TAN; INTENSE SERICITE ≈ PATCHY Si FLOODED ZONES (± CARB); MINOR CLAY ON FRACTURES; MINOR DISSEM, VERY FINE GRAINED PY										20.0 - 23.6 70%
		(21.6 - 22.8) UP TO 3cm QTZ SUBPARALLEL TO C.A; Tr-PY WITHIN (CONT)	4614	Tr	21.6	22.8	1.2			0.001	0.02	

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D89-2 SHEET NO. 2 of 2

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
4.6	23.6	ALTERED VOLCANICS (CONT.) 23.6 m) ALT^{n} DROPS OFF ABRUPTLY; IRREGULAR ALT^{n} FRONT, OVERALL @ ± 20° TO C.A.										
23.6	53.9	LAPILLI TUFF GREY-GREEN TO MED TO DARK GREY; MINOR REDDISH CLASTS; MATRIX SUPPORTED; ABUNDANT (UP TO 5%) <0.5 TO 1.5MM FELD. CRYSTALS; NO STRONG FOLIATION AS SEEN IN D89-1; MINOR, GENERALLY <2MM WIDE, CARB STRS/FRACTURE FILLINGS; GENERALLY QUITE HARD, COMPETENT CORE (32.6-35.8) 25 % PATCHY LIGHT SILICIFIED AREAS; MINOR <1CM QSTRS @ VARIOUS L'S TO C.A.; TR. DISSEM FINE GRAIN PY (46.9-50.7) 1 TO 8CM FINE GRAIN BEDS BETWEEN LAPILLI LAYERS; @ 45° TO C.A. (50.9-53.9) PATCHY MOD SILICIFIED ZONES; ABUT IRREGULAR, CROSS-CUTTING WHITE QSTRS FROM 52.8-53.8M; MOSTLY @ FAIRLY LOW L TO C.A.; SOME CARB WITHIN; MINOR MM SCALE VUGS; TRACES DISSEM. FINE GRAIN PY	4615	Tr	52.8	53.9	1.1m			0.001	0.01	23.6-53.9 90+%
	53.9	E.O.H.										

LANGRIDGES — TORONTO — 386-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Dome Mountain
HOLE NO. D-89-3 LENGTH 121.01 m
LOCATION On road to Forks (EAST of BOULDER)
LATITUDE 68696 (102+08N) DEPARTURE ~53587 E (105+90 E)
ELEVATION ~1320 m AZIMUTH 200° DIP 46°
STARTED 27/11/89 FINISHED 28/11/89

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH

HOLE NO. D-89-3 SHEET NO. 1
REMARKS
LOGGED BY D.R. Mell

68656

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SULPHIDES	METRES FROM	METRES TO	METRES TOTAL	ASSAYS Au %	Ag %	Au OZ/TON	Ag OZ/TON
0	2.74	Overburden CASING PULLED									
2.74	3.35	Bleached lapilli-tuff; originally probably hematitic bleaching probably carbonate									
3.35	19.51	Hematitic lapilli-tuff.; weakly foliated ca 45° @ 14.94 m numerous X cutting calcite veinlets at all angles to core									
19.51	21.55	Grey/Green lapilli tuff; weakly foliated ca 47° @ 20.73 m trace pyrite; unclear as to nature of color change; is it related to primary lithology or later alteration?									
21.55	22.16	Bleached lapilli tuff; X cut by 2 small veinlets containing clots of pyrite + sph.	4501	tr	21.55	22.16	0.61m			0.001	0.05
22.16	22.53	Grey/Green lapilli tuff									
22.53	23.54	Pervasive bleaching/carbonatization; sheared; ca 43° @ 23.30m tr. pyrite; very minor foliation parallel qtz veins. tr fluorite.	4502	tr	22.53	23.54	1.01 m			0.003	0.07
23.54	24.52	Sheared hematitic tuff; weak carbonatization in 2-5 cm bands									
24.52	27.02	Incipiently carbonatized hematitic lapilli-tuff; sheared ca 38° @ 26 cm Alteration is in the form of bands which parallel foliation; minor fracture controlled bleaching cutting foliation	4503		24.52	25.92	1.40m			0.001	0.05
			4504		25.92	27.02	1.10 m			0.001	0.05

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Dome Mountain

HOLE NO. D-89-3 SHEET NO. 2

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON
27.02	27.68	Sheared hematitic lapilli tuff; unaltered									
27.68	28.66	Pervasively bleached lapilli tuff; sheared; some relict hematitic fragments present; tr pyrite (disseminated)	4505	tr	27.68	28.66	0.98			0.007	0.06
28.66	28.96	Pervasively bleached lapilli tuff; sheared; ca 66° @ 28.80m 60% of this interval is Qtz vein material containing 5-10% pyrite/sphalerite mineralization	4506	7%	28.66	28.96	0.30			0.077	0.13
28.96	29.31	Pervasively bleached lapilli tuff; carbonatized; sheared. 1% disseminated fine-grained pyrite.	4507	1%	28.96	29.31	0.35			0.001	0.05
29.31	29.88	Pervasively bleached lapilli tuff; carbonatized; sheared ca 35° @ 29.65m; this interval hosts 2 veins ≈ 2cm each containing clots of pyrite with traces of sphalerite; disseminated pyrite in altered host rocks adjacent to veins.	4508	3%	29.31	29.88	0.57			0.013	0.06
29.88	30.61	Mixed hematitic and grey/green lapilli tuff; sheared ca 34° at 30.20m; may be mixing/interfingering of 2 units at contact; ?weak carbonatization	4509		29.88	30.61	0.73			0.001	0.04
30.61	35.86	Grey/green lapilli tuff; foliated; may be distinct unit or weak carbonatization; cross-cutting qtz/carb veinlets at various orientations are again common									
35.86	74.24	Hematitic lapilli tuff; foliated ca 45° @ 44.20m fairly sharp irregular upper contact with grey/green fragmental; possible fault gouge at 40.86m; particularly large fragments at 51.50 m some porphyritic.									

LANGRIDGES — TORONTO — 366-1188

DIAMOND DRILL RECORD

NAME OF PROPERTY Dome Mountain

HOLE NO. D-89-3 SHEET NO. 3

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON
74.24	76.05	Grey/Green lapilli tuff; foliated; contacts are very sharp. ca 37° & 56°; seems little doubt here that this colour change reflects a fundamental lithological variation									
76.05	85.41	Hematitic lapilli tuff; foliated.									
85.41	86.28	Grey/Green Lapilli tuff; foliated; color here may be in response to weak carbonatization; central to this interval is 4cm qtz vein containg pyrite/sph mineralization up to 10-15% of vein; almost perpendicular to core axis.	4510	1%	85.41	86.28	0.87m			0.072	0.08
86.28	119.38	Hematitic lapilli tuff; foliated; unaltered; cut by calcite veinlets at various orientations.									
119.38	119.82	Pervasively altered lapilli tuff; sheared ca 62° @ 119.50m This section hosts central qtz vein 13cm thick; vein is mineralized with 5% pyrite/sphalerite.	4511	1%	119.38	119.82	0.44m			0.014	0.18
119.82	121.01	Hematitic lapilli tuff.									
121.01	EOH										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Dome Mountain
HOLE NO. D-89-4 LENGTH 196.60
LOCATION EAST OF BOULDER CREEK
LATITUDE ~68773 (100+70)N DEPARTURE ~53648E (105+80E)
ELEVATION ~1270M AZIMUTH 020 DIP 45
STARTED 28 NOV 89 FINISHED 30/11/89

68773

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH
154.5	-39				

HOLE NO. D-89-4 SHEET NO. 1
REMARKS
LOGGED BY D.R. Melling

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0	8.23	Overburden Casing in hole.									
8.23	33.81	Grey to Dark grey/black tuff breccia; foliated ca 40° @ 14.50m large fragments present in this unit largely contained in fairly fine matrix; unit does not display diversity of fragment types seen in hematitic tuffs seen elsewhere; rare cross cutting calcite veinlets; Pyritic fragments present at 17.37 m.									
33.81	73.29	Grey-Green Lapilli tuff; foliation weak to indistinct; - some hematitic fragments present, locally. - fault gouge (mud slips) @ 47.85 (10 cm thick) 50.90 (60 cm thick) - very blocky with minor incipient bleaching 51.70m - 54.50m - fault gouge (muddy) @ 68.69 - 68.79 (6% cm thick)									
73.29	75.23	Pervasively silicified Grey green lapilli tuff, indistinct foliation no sulfides. relic fragmental texture preserved.									
75.23	75.83	Grey green lapilli tuff.									
75.83	76.64	Pervasively silicified lapilli tuff Albitized?									

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: Dome Mountain

HOLE NO. D-89-4 SHEET NO. 2

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON
76.64	82.01	Hematitic lapilli tuff; upper contact consists of 15cm of fault gouge; additional fault gouge 78.93 to 79.33									
82.01	155.08	Hematitic amygdaloidal flow; indistinct foliation. all units since 33.81 m are X cut by numerous calcite veins at various angles. amygdules ≤ 3mm averaging 3%; most amygdules are filled by calcite but reddish mineral + dark green mineral are also present; From 87.48m – 101.17 m epidote is common ruining amygdules and forming pervasive patches up to 40cm across; more epidote from 114.41 m to 155.08 139.79 flow banding? Dark mineral in amygdules is chlorite (BASALT)									
155.08	170.54	Hematitic lapilli tuff; foliation indistinct Weak bleaching 160.63 to 163.68 m; cross cutting calcite veins of variable orientation									
170.54	183.72	Grey Green lapilli tuff; sharp contact ca 21° at contact. 3cm qtz vein with 3% pyrite/sph ca 15° @ 172.50 pyrite disseminated in host rocks adjacent to vein. small 20cm contorted shear at 176.47	4572	1%	171.82	172.60	0.78			0.010	0.06
		25cm qtz vein with 4-5% pyrite/sph 177.42 – 177.68 ca@ 35°	4573	2%	177.18	177.68	0.50			0.018	0.11

LANGRIDGES – TORONTO – 365-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: Dona Mountain

HOLE NO. D-89-4 SHEET NO. 3

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON
183.72	188.89	Pervasively altered lapilli tuff; alteration consists of carbonate with lesser qtz; abundant (up to 8%) fine grained disseminated pyrite; sheared ca 22°-40° this section well mineralized but not Typical. Discrete veining is minimal	4514	2%	183.08	183.79	0.71			0.012	0.11
			4515	5%	183.79	184.79	1.00			0.001	0.11
			4516	7%	184.79	186.01	1.22			0.001	0.19
			4517	8%	186.01	186.91	0.90			0.001	0.18
			4518	6%	186.91	187.56	0.65			0.001	0.12
			4519	10%	187.56	188.09	0.53			0.001	0.05
188.89	196.60	Hematitic lapilli tuff; foliation indistinct; unaltered	4520	tr	188.09	188.89	0.80			0.037	0.06
196.60	EOH										

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME MOUNTAINS
HOLE NO. D89-5 LENGTH 133.20 m
LOCATION NB: Because 101N is ±24m too far N. at this point, hole is actually ±6m S. of 101N
LATITUDE 101+18N DEPARTURE 104+57E
ELEVATION Very approx. 1297m AZIMUTH 020° DIP -70°
STARTED 30 Nov. 1989 FINISHED 1 Dec. 1989

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH

HOLE NO. 89-5 SHEET NO. 145
REMARKS

LOGGED BY A. L'ORSA

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/TON Au	ASSAYS oz/TON Ag	RQD
0	12.19	CASING - Left in hole										
12.19	33.40	TUFF ∱ VOLCANICLASTIC SEDIMENTS. Very fine-grained volcaniclastic SS (≤ 0.1 mm) with a few fine (≤ ± 6 mm) pebbles that include dark grey pyroclastic rocks. Much of unit appears to be a fine-grained tuff (≤ 0.1 mm). Local lapilli. • COLOUR: Generally med. grey to dark grey. • HARDNESS: Host > knife. • ALTERATION: Incipient bleaching at base. Local albitization, rutile (?), sericitization • STRUCTURE: Local stretch lineation. Local slickenside. Local faults, minor; e.g. 50-70° to CA • VEINS: Calcite common, but not abundant. Local tiny pyrite veinlets with ∱ without carbonate. #4447: vfg pyrite diss. in tuff(?). Py gen. < 0.1 mm #4448: Narrow (± 5 mm) shears x 4 @ ± 50° to core axis. 3 discontinuous pyrite veinlets (± 5 mm), e.g. @ 50°	4447	<1	23.50	24.50	1 m			0.001	0.05	45
			4448	<1	29.00	29.25	0.25			0.001	0.01	

LANGRIDGES – TORONTO – 366-1168
FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME MT.

HOLE NO. D89-5 SHEET NO. 2 of 5

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON Au	ASSAYS OZ/TON Ag	RQD
33.40	36.37	PERVASIVE ALTERATIONS. Bleached, albitized (?) plus sericite & carbonate. Diss. cubic pyrite, gen. fine-grained. • COLOUR; very pale orange. • STRUCTURE; Local healed breccia @ 35°, with rutile? # 4449. Albitized. Incl. Ax with rutile (?)		< 1								High to E.O.H
			4449	< 1	35.50	36.00	0.5			0.001	0.01	
36.37	38.71	INCIPIENT ALTERATION. LAPILLI TUFF with abundant feldspar xls. Alteration cuts core at various angles - e.g. 30°. Qz & sericite present. Minor diss. Pyrite, ± 1mm.										
38.71	39.92	PERVASIVE ALTERATION. Local breccia & vugs.										
39.92	44.66	INCIPIENT ALTERATION. LAPILLI TUFF. Local pervasive sections, ± 50cm. Local rutile (?).										
44.66	53.30	PERVASIVE ALTERATION. Gradational basal contact. Albitization predominant to ± 50.35, plus vfg rutile (?) & sericite & carb. Below 50.35 = softer, sericitic + carbonates. • COLOUR; Pale greyish orange with local black areas (vfg rutile?) • STRUCTURE; An internal alteration contact @ 20° to c.a. Local breccia with white Qz filling, especially @ 18 m. Shear zone starts @ 48 m. & extends into next unit @ 40° to c.a. • THIN SECTION - 44.70 m. Report by J. Harris in appendix.										
		# 4450 Strong rutile (?) alteration. Hi. pyrite, diss. Rutile, very fine-grained, disseminated.	4450	< 1	45.20	46.00	0.80			0.001	0.01	
		# 4451 Breccia zone with white Qz filling. Local diss. pyrite ± 2mm.	4451	< 1	48.00	48.50	0.50			0.001	0.21	
		# 4452 Sheared. More sericitized than albitized. Fe carbonates.	4452	< 1	50.50	51.00	0.50			0.001	0.05	

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY Dome Mt.

HOLE NO. D89-5 SHEET NO. 3 of 5

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON Au	ASSAYS OZ/TON Ag
53.30	71.80	TUFF, with lapilli, to LAPILLI TUFF. Clasts generally angular. Includes clasts of dark, amygdaloidal rocks. • COLOUR: Shades of dark red. • ALTERATION: Local bleaching along fractures, increasing near base → much incipient alteration. • STRUCTURE: Moderate shears @ ± 10° to core axis. • VEINS: Few carbonate.									
71.80	114.00	PERVASIVE ALTERATION. Tuffs. Lapilli tuffs predominate. Local relatively fresh sections; e.g. gen. ≤ 1.5 m. • COLOUR: Pale greyish orange to yellowish grey, to medium light grey, to light olive grey. • ALTERATION: Sericitization ± carbonatization > local albitization? • STRUCTURE: General shear zone throughout @ ± 55° to CA • VEINS: White Qz > carbonate plus Pyrite, sphalerite, galena ± chalcopyrite – all in highly variable amounts. There are 11 veins of 2.5 cm width or more, in this section, @ 20° - 80° to core axis. Max. vein ± 1.10 m @ 30°.									
		#4453. Bleached tuff. Diss. Py ≤ 2 mm dia.	4453	< 1	74.00	75.00	1.0			0.001	0.06
		#4454. — " —. Qz vein 40 cm wide @ 20°. sphalerite > mi. galena ± cp. 15% sulphides in vein.	4454	3	75.00	76.00	1.0			0.039	0.41
		#4455. Bleached. Pyrite, sphalerite, mi. cp. - 10% in vein. Includes 28 cm of Qz vein below.	4455	3	76.00	77.00	1.0			0.037	0.22
		#4429. White quartz vein + Pyrite, sphalerite, cp, ga. ± arsenopyrite.	4429	10	77.00	77.50	0.5			0.432	3.53
		#4430 — " —	4430	± 30	77.50	78.00	0.5			0.831	4.26
		#4456 Bleached. Pyrite, sphalerite, mi. galena, arsenopyrite. Sulphides in disseminations ± fracture fillings, ± in places, in white Qz. vein.	4456	15	78.00	79.00	1.0			0.096	0.33

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Done Mt.

HOLE NO. D89-5 SHEET NO. 4 of 5

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	% SULPH IDES	METRES FROM	METRES TO	METRES TOTAL	ASSAYS %	%	OZ/TON Au	OZ/TON Ag
71.80	114.00	#4457. Moderately bleached, sheared. Pyrite diss., Hi. veinlets	4457	3	79.00	80.00	1.00			0.001	0.01
		#4458. Bleached, mod. sheared tuff. Diss. pyrite 1 white Qz vein, TW ± 2 cm, follows core for 20 cm, + py & sphalerite.	4458	5	85.00	86.00	1.00			0.039	0.08
		#4459. Mod. bleached & sheared. Pyrite diss.> veinlets. Single ± 5 cm TW Qz vein + Py & carb.	4459	5	86.00	87.00	1.00			0.011	0.06
		#4460. Diss. pyrite. Includes ± 8 cm zone Qz plus heavy py> sphalerite with minor chalcopy. & galena	4460	5	87.00	88.00	1.00			0.077	0.22
		#4461. Sheared lapilli tuff. Mod. alteration. Diss. py plus hematite. 2 cm Qz vein at base with py-sphal.	4461	1	88.00	89.00	1.00			0.006	0.02
		#4462 Mod. alteration. Minor disseminated pyrite. Incl. ± 8 cm Qz vein plus py-sphalerite	4462	3	90.00	91.00	1.00			0.024	0.12
		#4463. Strongly altered. Local yellowish sericite (?). Many small fractures with py-sphalerite-± Qz. Diss. Py.	4463	5	93.00	94.00	1.00			0.03	0.08
		#4464. Highly sericitized plus diss. py & a few veinlets py. White Qz vein ± 8 cm with pyrite-sphalerite-galena-chalcopyrite.	4464	5	101.50	102.50	1.00			0.127	0.25
		#4465. Sericitized. Diss. Py. Few veinlets including 6.5 cm Qz vein with py-sphalerite.	4465	2	104.50	105.50	1.00			0.049	0.11
		#4466. Bleached. Many fractures with carbonate> Qz filling. Dark green chlorite common, Minor diss. pyrite.	4466	< 1	112.00	113.00	1.00			0.006	0.05

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY: DOME MT.

HOLE NO. D89-5 SHEET NO. 5 of 5

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
114.60	115.94	TUFF. Dark reddish grey. Gradational bleached contact with unit above. Few Qz-carb veins @ ± 45°.										
115.94	119.75	BASALT, amygdaloidal. Dark greyish red. Locally bleached. Abundant calcite-filled spaces.										
119.75	125.67	TUFF. Rare lapilli. Dark reddish grey. Scattered calcite veins. Few Qz veins. ± 1cm gouge @ ± 40° at 122.45 M.										
125.67	133.20 (437') E.O.H.	TUFF. Mostly well-bedded. Dark brick red to dark reddish grey. Water-laid. • BEDDING - Locally very thin - e.g. 1mm - @ 60° to core axis. This distinctive unit seen in many Boulder Zone holes, usually spatially associated with amygdaloidal basalt above. • VEINS. Local Qz-carb. veins. calcite veinlets abundant in places.										

LANGRIDGES — TORONTO — 366-1188

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME MOUNTAIN
HOLE NO. D89-6 LENGTH 151.49 M
LOCATION E. Boulder Zone. E. of Boulder Creek
LATITUDE 102+35 N DEPARTURE 104+66 E
ELEVATION Approx. 1335 AZIMUTH 020° DIP -45°
STARTED 1 Dec. 1989 FINISHED 3 Dec. 1989

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH
151.4	-47.3				

HOLE NO. D89-6 SHEET NO. 1 of 5
REMARKS

LOGGED BY A. L'ORSA

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	RQD
0	4.30	CASING - left in hole.										
4.30	26.00	LAPILLI TUFF, Includes local fine-grained tuff. Polymictic. Few blocks. Pyrite: mi., diss. Mi. cp in chlorite, local magnetite. • COLOUR: Dark greenish grey • ALTERATION: Epidote, diss. in matrix. Epidotized clasts common. • VEINS: Local calcite - qz - chlorite veinlets.										90.100
26.00	26.52	TUFFACEOUS CONGLOMERATE. Volcaniclastic. Polymictic. Medium grey. Includes volcanic ss. Grades into tuffs above & below. Bedding @ 40° to core axis.										
26.52	29.60	TUFF. Few lapilli. Med. to dark grey. Shear 26.50 - 26.90 @ 35° to C.A., with mi. pyrite & sericite, & Fe carb.?. Includes a qz vein 5mm wide with py + hem.?										
29.60	40.80	PERVASIVE ALTERATION. Bleached tuff. Local rutile? Albitized, especially top of section; i.e 29.00 - 33.00 m. Softer, sericite - chlorite sections lower, especially below veins. • STRUCTURE: Shear zone, starts ± 32.60 m & extends into next unit below to ± 54m. Shears at 20° - 50° to CA. Gouge @ 36.50 m - Minor. • VEINS: Zone of numerous veins 35.50 - 39.18. White qz veins with more or less pyrite, chalcopyrite, sphalerite - galena & probably local arsenopyrite (ICP) & tetrahedrite. Veins generally @ 35° - 40° to C.A. Several veins exhibit pyrite > sphalerite, chalcopyrite > qz. Rutile (?), vfg, locally abundant. Local graphite on shears.										40.80 Veins 40

LANGRIDGES – TORONTO – 366-1168
FORM E

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME MOUNTAIN

HOLE NO. D89-6 SHEET NO. 2 of 5

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON Au	ASSAYS OZ/TON Ag
29.00	40.80	VEINS (cont.).									
		# 4434. Sericitized - carbonatized tuff. Few rutile veinlets	4434	<1%	34.60	35.10	0.5			0.005	0.11
		# 4435. — " — Several rutile (?) veinlets	4435	<1	35.10	35.60	0.5			0.001	0.19
		# 4436. Dark grey to greyish black tuff. Pyrite diss. ∮ in 1.5 cm vein @ 45°	4436	2	35.60	36.10	0.5			0.002	0.05
		# 4437. Dark grey to greyish black, sheared, tuff Qz-carb veinlets with pyrite. Late Qz veinlets cut Fe carb. local rutile ?	4437	5	36.10	36.60	0.5			0.031	0.18
		# 4438. Dark grey to black rock. Strongly sheared. Bottom 9 cm ± massive pyrite-sphalerite. <p.	4438	15	36.60	37.10	0.5			0.447	1.82
		# 4431. Heavy pyrite - sphalerite - chalcopyrite > galena Minor Qz. Pyrite xls ≤ 5 mm dia. Blackish hat. Local graphite.	4431	50	37.10	37.60	0.5			2.11	10.91
		# 4432. Sulphides as above, but more galena. White Qz.	4432	70	37.60	38.10	0.5			1.977	8.98
		# 4433. ——— " ———	4433	30	38.10	38.60	0.5			1.486	8.05
		# 4439. Med. dark grey to black rock. Strongly sheared. Rutile (?) veinlets abundant. End of obvious rutile	4439		38.60	39.20	0.6			0.006	0.08
		# 4440. Bleached, sheared, sericitized & carbonat. tuff with local green mica.	4440	2	39.20	40.20	1.00			0.001	0.07

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME MT.

HOLE NO. D89-6 SHEET NO. 3 of 5

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON Au	ASSAYS OZ/TON Ag	RQD
40.80	90.50	LAPILLI TUFF. Includes some finer-grained tuffs. Few blocks, e.g. ≤ 9 cm. Polymictic. clasts gen. reddish, & include a ±2mm feldspar porphyry. • COLOUR. Dark reds predominate. Local mod. red. locally altered to shades of grey & green near veins. • STRUCTURE. Generally sheared, @ 40°-50° to c.a. Clasts in many sections exhibit stretch lineation. Strong shears plus min. gouge @ 63.76-63.94. 64.30-64.54 • MARKER? Bedded tuff. ≥ 1mm beds @ 45°. 10 cm section centred at 62.50m. • VEINS. Scattered calcite veinlets throughout. Local Qz-carb.-pyrite-sericite veinlets. #4441 6 x ≤2cm Qz-carb-py-sericite veins in sample. In a med. light grey alteration zone that extends from 62.85-66.65m	#4441	7	61.50	65.60	0.50			0.025	0.40	90-100 except 52.56 to 59.00 & 60

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME MT.

HOLE NO. D89-6 SHEET NO. 4 of 5

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON Au	ASSAYS OZ/TON Ag	RQD
90.50	124.95	BASALT, amygdaloidal. Irregular upper contact. lower contact missing. Flow tops up-hole. Amygdule fillings: Calcite >> local chlorite. No obvious magnetite. Local sections of thin-bedded tuff, ≤ 1.25 m @ ± 50° • WHOLE ROCK ANALYSIS @ 98.30 m. TRACHYBASALT on TAS plot. • COLOUR. Generally dark greyish red. • ALTERATION. Epidotization common, especially above 110 m. Local 1 m sections of epidote + Qz veins. Sericite - Carb - Qz 121.70 - 122.70. • STRUCTURE. General evidence of shearing starts about 121.70 & extends into pervasive alteration below. Shears @ ± 60° to core axis. • VEINS. Calcite veins common.											100
124.95	128.40	PERVASIVE ALTERATION in shear zone. Sericite. Fe carb. • STRUCTURE, Shears @ 70°-30°. Local gouge. • VEINS.										
		#4442. Qz - sericite - carbonate + py. sp - cp @ 70° Local gouge.	4442	7	125.00	125.70	0.70			0.086	0.86	
		#4443. Mod. carbonatization & sericitization.	4443	2	125.70	126.70	1.0			0.001	0.06	
		#4444 White Qz vein 126.80 - 127.60. Gouge at top. Pyrite, sphalerite.	4444	10	126.70	127.70	1.0			0.179	0.35	
		#4445 sericitized. Incl. local green mica. Dis. & fracture filling pyrite.	4445	3	127.70	128.20	0.5			0.011	0.12	
		NOTE: This is thought to be the eastern extension of the Boulder zone main vein.										

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME MT.

HOLE NO. D89-6 SHEET NO. 5 of 5

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
128.40	130.15	CRYSTAL TUFF. ± 1mm prod. plagioclase crystals. ± 40% crystals near base, less higher. Medium, slightly reddish grey. Bottom contact @ 20° to CA Few carb. veinlets. Local sericite.										
130.15	151.49 (497') E.O.H.	TUFF. Looks like mainly a polymictic lapilli tuff. Clasts generally hard to see. • COLOUR. Very dark grey red predominates. • STRUCTURE. No obvious shear zone. Small, local, faults - e.g. @ 20° to CA • VEINS. Carbonate - quartz - barite (?) veins common.										

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY Dave Mountain
HOLE NO. D-89-7 LENGTH 68.58 metres.
LOCATION W. end of Boulder Zone
LATITUDE 106+45N DEPARTURE 101+80E
ELEVATION ± 1426 M AZIMUTH 015° DIP 67°
STARTED Dec 3 1989 FINISHED Dec 4 1989

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH

HOLE NO. D89-7 SHEET NO. 1
REMARKS
LOGGED BY D.R. Melling

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON
0	4.27	Overburden. Casing left in hole									
4.27	34.80	Hematitic lapilli tuff. weak to moderate foliation ca 50° @ 10.80 m. X cut by numerous calcite veinlets. 10.78 m to 11.35 m bleached with calcite flooding around fragments. 19.84 m 2 cm contorted qtz veinlet with disseminated pyrite bleach halo 15 cm on each side of vein. foliation ca 47° @ 25.00 m @ 27.40 m 3 cm Qtz/carb vein with 3% disseminated pyrite clots; 10 cm bleached halos on either side Bleaching 29.97 m to 30.57 m lower contact is gradational over ± 50 cm.	4537	1%	27.20	27.70	0.50			0.006	0.06
34.80	48.35	Grey green lapilli tuff; weak to moderate foliation. ca 35° @ 37.70. Numerous X cutting calcite veins. 39.93 m 3 cm clay-rich fault gouge. 40.16 → 41.20 Incipient bleaching; interval contains 3, 3 cm qtz/carb veins with disseminated pyrite. ca @ 80° 41.85 - 42.35 4 cm qtz/carb with pyrite + 10 cm bleached halo 44.70 - 45.20 4 cm qtz/carb vein with pyrite + 10 cm bleached halo 46.32 - 46.82 4 cm qtz/carb vein with pyrite; 3 cm bleached halo	4538	2%	40.16	41.20	1.04			0.001	0.03
			4539	1%	41.85	42.35	0.50			0.005	0.02
			4540	1%	44.70	45.20	0.50			0.002	0.05
			4541	1%	46.32	46.82	0.50			0.004	0.05
48.35	49.43	Pervasively altered (carb/sericite) sheared ca 40° Three 4 cm qtz/carb/pyrite veins at 48.40, 49.04, 49.20 Disseminated pyrite within host rock 1-2%	4542	3%	48.35	49.43	1.08			0.052	0.09

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Dome Mountain

HOLE NO. D-89-7 SHEET NO. 2

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	% SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON
49.43	50.04	Hematitic lapilli tuff.									
50.04	51.01	Incipiently bleached lapilli tuff. minor qtz/carb/pyrite veins at beginning & end of interval (1-4 cm), fine disseminated pyrite in bleached rocks (Shared)	4543	1%	50.04	51.01	0.97			0.001	0.05
51.01	53.25	Weakly bleached + sheared lapilli-tuff 2 cm qtz/carb vein at 52.40 m ca 45° X cut carb veins transposed into foliation									
53.25	59.10	Sheared and Altered Zone									
53.25	54.39	Weak pervasive carbonatization; sheared ca 45°; no sulf. also no veining; original Texture (fragments) somewhat preserved.	4544	tr	53.25	54.39	1.14			0.001	0.04
54.39	55.11	Pervasively altered (carb/sericite) sheared; 35% deformed qtz/sulfide veins; sulfides 3-4%, mostly pyrite with some galena; both fine grained. crenulated foliation	4545	3%	54.39	55.11	0.72			0.012	0.47
55.11	56.17	Pervasively altered (carb/sericite) sheared; ca 45° minor 3-4 cm of deformed qtz vein 1% pyrite over interval	4546	1%	55.11	56.17	1.06			0.041	0.04
56.17	56.54	Pervasively altered (carb/sericite) sheared & veined. Vein material 30% of interval, foliation crenulated.	4547	3%	56.17	56.54	0.37			0.040	0.52
56.54	57.32	Least altered, least deformed hematitic lapilli tuff. no veining	4548	tr	56.54	57.32	0.78			0.001	0.02
57.32	58.12	Sheared pervasively altered lapilli tuff. 1-2% disseminated pyrite. no veining	4549	1%	57.32	58.12	0.80			0.001	0.06
58.12	59.10	Sheared pervasively altered lapilli tuff 10% vein material 3-4% sulfides (pyrite) mostly within veins.	4550	3%	58.12	59.10	0.98			0.006	0.06
59.10	63.77	Hematitic lapilli tuff RQD 10% very blocky from 61.31 to end of hole.									
63.77	68.58	Grey Green lapilli-tuff. very blocky ground RQD 10% 2 cm qtz/pyrite vein (1-2% pyrite) at 68 m									
68.58	EOH										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Dome Mountain
HOLE NO. D-89-8 LENGTH 281.38 metres
LOCATION West end of Boulder Zone
LATITUDE 106+45 N DEPARTURE 101+80 E
ELEVATION ± 1426 AZIMUTH 015 DIP 90°
STARTED 3/12/89 FINISHED 4/12/89

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH

HOLE NO. D-89-8 SHEET NO. 1
REMARKS -
LOGGED BY D. R. Melling

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON
0	3.97	Overburden Casing left in hole.									
3.97	21.62	Hematitic lapilli tuff; not quite as reddish in colour as rocks intersected during earlier holes completed during this program. X cut by numerous calcite veinlets at various orientations; weak to indistinct foliation. - bleached rocks with calcite flooding around fragments from 10.00 m to 10.67 m - bleached 17.07 m to 17.37 m.									
21.62	21.88	- Narrow pervasively carbonatized shear with irregular 3 cm qtz veining with 3-4% pyrite in disseminated clots - fine disseminated pyrite in altered host rocks which also contain minor sericite	4521	3%	21.62	21.88	0.26 m			0.001	0.12
21.88	23.20	Hematitic lapilli tuff; slight greenish colour although good reddish fragments present; weak foliation ca 47°									
23.20	24.92	Bleached lapilli tuff; moderate foliation ca 60° to of disseminated pyrite. 2-3 cm irregular qtz/carb veins contain 2-3% disseminated pyrite clots at 24.20 m and 23.15 m both are buckled and X cut foliation.	4522	1%	23.20	24.20	1.00 m			0.006	0.05
			4523	2%	24.20	24.92	0.72 m			0.028	0.03

LANGRIDGES – TORONTO – 368-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Dome Mtn

HOLE NO. D-89-8 SHEET NO. 2

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON
24.92	39.31	Grey-Green lapilli tuff; weak to moderate foliation. Xcut at various angles by calcite veinlets. Hematitic fragments are locally present. This section is cut by a number of small 1-6 cm thick qtz/carb veins which locally contain disseminated pyrite; some of these are ptygmatically folded. They occur at. 28.77m, 29.17, 37.18									
39.31	39.81	Narrow silicified zone, massive, cut by 3 cm vuggy qtz/carb vein; section contains 2-3% fine grained disseminated pyrite.	4524	2%	39.31	39.81	0.50m			0.011	0.04
39.81	52.30	Grey-green lapilli tuff. weak foliation, cut by numerous barren calcite veins at all angles., some local hematitic fragments. - narrow bleached zone, 1% pyrite 43.77m to 44.81m	4525	1%	43.77	44.81	1.04m			0.008	0.02
52.30m	61.75	Hematitic tuff; moderate to strong foliation increasing down hole ca 47° @ 57.90m, upper contact (colour change) is gradational.; unit is cutby calcite veinlets at various angles; minor calcite flooding around fragments at 55.5m	4526	—	60.75	61.75	1.0m			0.001	0.01

LANGRIDGES — TORONTO — 386-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Dome Mountain

HOLE NO. D-89-8 SHEET NO. 3

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	% SULPHIDES	METRES FROM	METRES TO	METRES TOTAL	ASSAYS Au %	Ag %	Au OZ/TON	Ag OZ/TON	
61.75	69.27	Altered veined mineralized zone.										
61.75	62.56	Mineralized qtz vein 80% of interval 7-8% sulfides dominating pyrite galena sphalerite chalcopyrite; in aggregates fracture fillings & disseminated	4527	7%	61.75	62.56	0.81			0.822	2.36	
62.56	63.56	Pervasively carbonatized & sheared ca 62°; cut by 3 veins containing pyrite, galena, sphalerite, chalcopyrite; Veins x cut & parallel the foliation; dissiminated pyrite occurs in the sheared host rocks	4528	5%	62.56	63.56	1.00			0.007	0.69	
63.56	64.42	Mineralized qtz vein 100% of interval; Some almost massive sulfide sections; interval averages 25% sulfides overall chalco > galena > sphal > pyrite.	4529	25%	63.56	64.42	0.86			0.767	5.80	
64.42	65.08	same as above; sulfides 30% of interval 1cm footwall gouge at 64.88m	4530	30%	64.42	65.08	0.66			0.580	7.29	2.84
65.08	65.98	Pervasively altered sheared ca 63° carbonate & sericite dissemination pyrite in altered host cut by several qtz veinlets containing Pyrite / chalco / sph / galena; Sulfides average 5%	4531	5%	65.08	65.98	0.90			0.456	0.71	
65.98	66.40	same as above except for presence of two 6 cm bands of almost massive pyrite.	4532	20%	65.98	66.40	0.42			0.169	0.37	
66.40	67.00	Pervasively altered sheared; fine disseminated pyrite averages 2 to 3%; no veining	4533	2%	66.40	67.00	0.60			0.001	0.65	
67.00	68.00	Same as above but cut by weakly mineralized buckled qtz vein which tends to parallel core axis	4534	3%	67.00	68.00	1.00			0.001	0.05	
68.00	69.25	Same as above but containing 0.35m interval of least altered rocks; some crenulation of sericitic foliation	4535	2%	68.00	69.25	1.25			0.012	0.06	
69.25	81.38	Dark purple lapilli tuff with greenish patches; weak foliation; cut by numerous calcite veins @ 80.58m 3cm qtz vein contain clots of pyrite mineralization.	4536	1%	80.40	80.85	0.45			0.001	0.04	
81.38	EOH											

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Dome Mountain
HOLE NO. D-89-9 LENGTH 63.09 M
LOCATION West end of Boulder Zone
LATITUDE 106+66 N DEPARTURE 101+65 E
ELEVATION ± 1426 M AZIMUTH 015° DIP 67
STARTED Dec 5 1989 FINISHED Dec 5 1989

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH

HOLE NO. D89-9 SHEET NO. 1

REMARKS from 53.78 to 57.00 there is a lot of grinding & box may have been dropped.

LOGGED BY DR. Mellon

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON
0	3.05	Overburden. Casing left in hole.									
3.05	23.87	Hematitic lapilli tuff; weak to moderate foliation ca 49° at 14.00m; several 2-3cm qtz/carb/pyrite veins over 1st 7m interval but no associated bleaching. Numerous x cutting calcite veins (<1cm) at various angles. 15.0m to 19.0m very bleeding ground.									
23.87	33.46	Grey green tuff - lapilli tuff; weak foliation, much fewer clasts than normal. x cutting calcite veinlets common.									
33.46	34.62	Hematitic lapilli tuff. gradational upper contact & sharp lower contact.									
34.62	41.28	Grey green tuff - lapilli tuff weakly foliation 35.10-35.40m 50% of interval consists of qtz/carb/pyrite veining 4% pyrite overall.	4551	4%	35.10	35.40	0.30m			0.105	0.14
41.28	41.58	Bleached zone enveloping 4cm qtz/carb/pyrite vein averages 3% pyrite overall	4552	3%	41.28	41.58	0.30m			0.001	0.06
41.58	45.41	Hematitic lapilli tuff, well foliated becoming sheared at 44.81 ca 57° @ 45.00m; cut by numerous x cutting calcite veins.									

LANGRIDGES — TORONTO — 366-1108

DIAMOND DRILL RECORD

NAME OF PROPERTY: Dome Mountain

HOLE NO. D-89-9 SHEET NO. 3

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON
46.41	47.11	Pervasively altered (carb/sericite) sheared ca 56° @ 46.60m 1% disseminated pyrite in host rocks; 1 3cm qtz/carb pyrite 2% in vein	4553	1%	46.41	47.11	0.70			0.006	0.08
47.11	47.57	Mineralized vein 3% pyrite with tr of sph/galena vein is well foliated; 4cm gouge at 47.11m.	4554	3%	47.11	47.57	0.46			0.039	1.07
47.57	48.45	Pervasively altered (carb) sheared ca 47° 2% disseminated pyrite; several foliation parallel qtz/carb veins	4555	2%	47.57	48.45	0.88			0.001	0.11
48.45	49.30	Same as above with 1 - 1cm qtz/carb/pyrite vein	4556	2%	48.45	49.30	0.85			0.002	0.07
49.30	49.80	Hematitic lapilli-tuff; well foliated not mineralized	4557	—	49.30	49.80	0.50			0.001	0.02
49.80	50.90	Pervasively altered (carb/sericite) sheared ca 50° 1cm gouge at 49.95m 2-3% disseminated pyrite	4558	2%	49.80	50.90	1.10			0.001	0.06
50.90	52.17	Same as above	4559	2%	50.90	52.17	1.27			0.001	0.01
52.17	53.45	Hematitic lapilli tuff; interval contains one 20cm band of pervasive alter but no veining									
53.45	53.78	Pervasively altered (carb/sericite) sheared. 1% disseminated pyrite; and 2cm qtz/carb/pyrite vein	4560	1%	53.45	53.78	0.33			0.001	0.05

LANGRIDGES — TORONTO — 366-1166

DIAMOND DRILL RECORD

NAME OF PROPERTY Dome Mountain

HOLE NO. D-89-9 SHEET NO. 3

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON
53.78	54.62	Hematitic lapilli tuff with patchy carbonate alteration.									
54.62	55.22	Pervasively altered (carb/sericite) well foliated. disseminated pyrite 1% cut by 1 cm qtz chalcopyrite vein	4561	1%	54.62	55.22	0.60			0.002	0.06
55.22	55.40	Hematitic lapilli-tuff.									
55.40	57.00	Pervasively altered (carb/sericite) moderately foliated minor qtz/carb/pyrite veining 1% disseminated pyrite in host rocks. some ground core within this interval	4562	1%	55.40	57.00	1.60			0.001	0.05
57.00	58.75	Hematitic tuff. least altered least deformed.									
58.75	59.25	Bleached zone enveloping 3cm qtz/carb pyrite vein	4563	1%	58.75	59.75	0.50			0.001	0.03
59.25	63.09	Grey green tuff; indistinct foliation; cut by calcite veinlets.									
63.09	EOH										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME MT.
HOLE NO. D-89-10 LENGTH 84.4M (277')
LOCATION West end of Boulder Zone
LATITUDE 106+66N DEPARTURE 101+65E
ELEVATION ± 1426 M AZIMUTH 0 DIP 90°
STARTED 5 Dec. 1989 FINISHED 6 DEC. 1989

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH

HOLE NO. D89-10 SHEET NO. 1 of 3
REMARKS .
LOGGED BY HANS SMIT

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
0	3.0	CASING - left in hole.										3.0-8.2 40%
3.0	53.6	LAPILLI TUFF SUB-ANGULAR TO SUBROUNDED CLASTS UP TO 20CM BUT MORE COMMONLY 0.5 TO 4CM; MOSTLY MATRIX SUPPORTED, SOME CLAST SUPPORTED; MIXED RED-GREY AND LESSER GREEN-GREY; LIMM FELD, PITENOS COMMON; WEAK CLAST ALIGNMENT @ 45°TO 60° TO C.A.; MINOR 1/CM Cc STRS. @VARIOUS L'S TO C.A.; Cc + MINOR Chl + Ep'd in FRACTURES; 100 % RECOVERY										8.2-20.3 90 %
		(5.2 - 13.8) 1.5% QTZ-CARB-STRS @ LOW L'S TO C.A.; 1/CM WIDE, IRREGULAR ATTITUDES AND WIDTHS; CONTAIN UP TO 10 % PY, 2% CPY										
		(20.2 - 32.2) WEAK ALT≈ /STRINGER ZONE MINOR PATCHY BLEACHED SPECTIONS; TALC ± SERIC ± Carb on FRACTURES; 1.5% QTZ-CARB STRS UP TO 2CM @ VARIOUS L'S TO C.AXIS; PY, MINOR CPY IN STRS; MOD ABNT. MICRO FRACTURES WITH Cc ± QTZ WITHIN										20.3-32.2 70 %
		(21.9 - 22.6) 5% QTZ-CARB STRS W ABNT MED. GRAIN PY	4564	2%	21.9	22.6	0.7			0.054	0.06	
		(32.2 - 53.6) MOSTLY RED-GREY, MINOR GREEN. FELD. RICH; MATRIX SUPPORTED; INCREASING CLAST ALIGNMENT / STRETCHING TO 53.6 M @ 45° TO 60° TO C.A.; MINOR FINE GRAINED PY IN MATRIX FROM 51.6 TO 53.6 M										32.2-53.6 90 %

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D89-10 SHEET NO. 2 of 3

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
53.6	55.9	ALTERATION ZONE BLEACHED; MOD TO INTENSE Ser ± Ca-b ± CLAY ± S; CLAY, MINOR TALC IN FRACTURES; STRONG LINEATION @ 50° TO 60° TO C.A.; INCREASING DISSEMINATED PYRITE IN UP TO 2mm CUBES TO 55.9m (UP TO 4%); INCREASING QTZ STKS/PATCHES TO 55.9m; SHARP UPPER CONTACT TO ZONE AS A 0.5cm CLAY ZONE @ 45° TO C.A.	4565	1%	53.6	54.6	1.0			0.005	0.05	53.6-57.3 80%
			4566	3%	54.6	55.5	0.9			0.001	0.01	
			4567	4%	55.5	55.9	0.4			0.005	0.05	
55.9	57.3	QUARTZ VEIN (1.4M) MILKY WHITE TO GREY QTZ, MINOR CARB.; 20% INT-ALTERED WALLROCK FRAGS; CONTACTS IRREGULAR, UPPER @ ~ 50° TO C.A., LOWER @ ~ 35° TO C.A.; 3 TO 10% FINE TO MED. GRAIN PYRITE MOSTLY IN IRREGULAR STKS/PATCHES AND FRACTURE FILLINGS; TRACE CPY	4568	10%	55.9	56.5	0.6			0.159	0.82	55.9-57.3
			4569	5%	56.5	57.3	0.8			0.023	0.35	80%
57.3	58.2	STRINGER ZONE 40% IRREGULAR WHITE QTZ + MINOR CARB STKS @ VARIOUS L'S TO C.A.; VARIABLE WIDTHS UP TO 5cm; SMALL STKS ARE VERY SINUOUS IN NATURE ⇒ POSSIBLY FOLDED; PY WITH STKS; 3% OVERALL	4570	3%	57.3	58.2	0.9			0.024	0.42	57.3-58.2 40%
58.2	60.0	ALTERATION ZONE BLEACHED; INTENSE Ser ± Ca-b ± S ± Chl; WEAK FOL^N @ ±45° TO C.A.; ABNT DECREASING TO MINOR <2mm WHITE TO GREY QTZ-STKS; THESE STKS CROSS-CUT MINOR WHITE QTZ-STKS UP TO 1cm WIDE; VERY MINOR VUGS IN STKS WITH QTZ-XTLS; SHARP ALT^N FRONT FORMS LOWER CONTACT OF ZONE; 3% DECREASING TO <1% DISSEM. PY.	4571	2%	58.2	59.1	0.9			0.001	0.03	58.2-60.0
			4572	1%	59.1	60.0	0.9			0.001	0.01	90%
60.0	84.4	LAPILLI TUFF LAPILLI TO XTL TUFF; CLASTS LESS COMMON; RED-GREY WITH PATCHY GREEN AND MINOR BLEACHED ZONES (OVERALL WEAK Chl ALT^N, MINOR Ser-CLAY); MOD.-ABUNDANT Cc ± OTHER CARB. ± MINOR QTZ IN STKS AND FRACTURE FILLINGS; ABNT FELD. PHENOS UP TO 2mm, ESP. IN MATRIX; MINOR Ser + MED GRAIN PY IN FRACTURES @ LOW L'S TO C.A. TO 75.2 M; OCCASSIONAL FOLIATION @ ± 45 TO 60° TO C.A.; LOCAL PATCHY Si-ALT^N (INC. PINK ALT^N) (CONT.)											60.0-75.0 40 TO 60% 75.0-84.4 90%

LANGRIDGES — TORONTO — 366-1168

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D89-10 SHEET NO. 3 of 3

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
60.0	84.4	LAPILLI TUFF (CONT.) (60.0-75.0) ABNT OPEN FRACTURES, SOME WITH PY IN THEM & POSSIBLY CALCITE HAS BEEN LEACHED; MOD. BROKEN CORE (63.3-63.5) SHEAR ZONE @ 60° TO C.A; CHL ± Cc ± QTZ IN SHEARED/FOLIATED ROCK (77.9-78.7) 5% < 1cm QTZ-CARB STKS @ LOW ∠ TO C.A.; 2% PY IN STKS AND DISSEM. IN BLEACHED W.R. 82.0 m) OPEN VUG WITH QTZ XTLS IN A QTZ-POD. 20cm OF BLEACHED ROCK WITH MINOR PY AROUND IT.										
	84.4	E.O.H.										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: DOME MT
HOLE NO.: D89-11 LENGTH: 111.9m
LOCATION: West end of Boulder Zone
LATITUDE: 106+15 N DEPARTURE: 101+38 E
ELEVATION: ± 1429 AZIMUTH: 015 DIP: -73°
STARTED: 6 Dec. 1989 FINISHED:

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH

HOLE NO. D89-11 SHEET NO. 1 of 3
REMARKS:

LOGGED BY: H. SMIT

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	RQD
0	5.2	CASING - Left in hole.										
5.2	95.4	LAPILLI TUFF RED-GREY WITH DARKER RED AND MINOR GREEN FRAGS; CLAST SUPPORTED TO 29.0 m, THEN MATRIX SUPPORTED; CLASTS MOSTLY 0.5 TO 4.0 cm, RARELY LARGER; WEAK ALIGNMENT @ HIGH L TO C.A.; MATRIX IS FELD PPY (UP TO 2mm, COMMONLY <1mm) RICH. MINOR TO OCCASSIONALLY MOD. CALCITE IN STRINGERS AND FRACTURE FILLINGS; MOD. TO WEAKLY FRACTURED CORE (5.2 - 8.2) 75% RECOVERY (7.0 - 7.1) Calcite str @ 45° to C.A.; ABNT W.R. FRAGS. WITHIN (26.0 - 38.0) MATRIX IS MORE GREEN-GREY; (WEAK TO MOD PERVASIVE CHL?) (49.5 - 53.2) GREENISH MATRIX; SOME BROKEN CORE WITH CLAY IN FRACTURES; MINOR <0.5 cm QSTRS @ LOW L's TO C.A.; MOD. CARB STRS / PATCHES; VERY MINOR PY (WEAK PERV) ALT? TUFF BECOMING MORE CLAST-RICH AGAIN; FREQUENTLY CLAST SUPPORTED AFTER 53.2 m (64.6 - 67.7) SHEAR ZONE; INCREASING STRETCHING OF CLASTS, FOLIATION TO A 2cm QTZ-CARB STR @ 67.0 m; STR AND FOL @ 50° TO C.A.; MATRIX GREEN-GREY AROUND THE STR; MINOR PY W STR. (67.7 - 90.1) MOSTLY CLAST-RICH LAPILLI TUFF; RED-GREY TO RED-PURPLE; WEAK CLAST ALIGNMENT @ 65° TO 80° TO C.A. COMMON; MOD. CALCITE IN STRS / FRACTURES AND OCCASSIONALLY PERVASIVE FLOODING (CONT.)										5.2-8.2 40% 8.2-49.5 80 to 70% 49.5-53.2- 40% 53.2-95.4 90.+%

LANGRIDGES — TORONTO — 368-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D89-11 SHEET NO. 2 of 3

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
5.2	95.4	LAPILLI TUFF (CONT.) (90.1 - 95.4) MATRIX SUPPORTED; MORE GREY THAN PREVIOUS SECTION; ABNT FELD PHENOS (<1mm)										
95.4	104.9	ALTERATION ZONE VARIABLE WEAK TO INTENSE ALT≅ / BLEACHING; Ser≅ Carb ±5% Chl; FOLIATION SHOWN BY WEAK ALIGNMENT OF FELDSPARS @ 60° TO 80° TO C.A.; NO DISTINCT GOUGE ZONE (95.4 - 97.2) PATCHY ALT≅; WEAK OVERALL (97.2 - 99.0) MOD TO INTENSE PERVASIVE ALT≅; MINOR QSTRS WITH PYRITE @ VARYING ∠ TO C.A.; TRACE PY IN WALLROCK [97.9 - 98.6] 5% QTZ STRS	4573	2%	97.9	98.6	0.7			0.001	0.06	95.4 - 104.9 90+%
		(99.0 - 101.0) WEAK PERVASIVE ALT≅ (101.0 - 104.9) MOD. TO MOSTLY INTENSE PERVASIVE ALT≅. IN PLACES FOLIATION IS CONTORTED AND FOLDED; BLEACHED BUFF TO GREEN BUFF; MINOR INCREASING TO MOD. IRREGULAR QTZ STRS/PATCHES; <1% INCREASING TO 2% DISSEM. PYRITE (103.7 - 104.9) 5% QTZ ± MINOR CARB STRS	4574	2%	103.7	104.9	1.2			0.001	0.04	
104.9	106.4	QUARTZ STRINGER ZONE (1.5m) MIXED INTENSELY ALTERED VOLCANICS (60%) AND WHITE AND GREY QTZ STRINGERS; STRS ARE VERY VARIABLE IN WIDTH (UP TO 15cm) AND ORIENTATION; SOME ARE CONTORTED AND FOLDED; ABNT QTZ-PATCHES; MINOR CARBONATE; 7% PY, DISSEM IN W.R. AND STRS, IN FRACTURES WITHIN STRS AND MINOR PATCHES OF MED. GRAINS; MINOR CPY; TRACES OF A FINE GRAINED METTALLIC MINERAL IN FRACTURES (TETRAHEDRITE?)	4575	7%	104.9	105.6	0.7			0.065	1.76	104.9 - 106.4 70%
			4576	7%	105.6	106.4	0.8			0.034	1.51	

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: DOME

HOLE NO. D89-11 SHEET NO. 3 of 3

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	
106.4	107.4	ALTERATION ZONE PERVASIVE Ser-Ic ± CARB ; BLEACHED ; ABNT MICROFRACTURES WITH CHL ± PY ± S; WITHIN ; <1 % PY ; GRADATIONAL CONTACT WITH LESS ALTERED ROCK BELOW	4577	<1%	106.4	107.4	1.0			0.008	0.06	106.4-107.4 90+ %
107.4	111.9	LAPILLI TUFF PURPLE-GREY WITH GREEN-GREY PATCHES; MATRIX SUPPORTED ; WEAK PERVASIVE TO PATCHY MODERATE ALT= COMMON, DECREASING DOWN HOLE; MOD. ABUNDANT LICM CARB ± QTZ STKS @ VARIOUS L's TO C.A.; MINOR PYRITE ; MINOR ROSE COLORED CARBONATE										107.4-111.9 90 + %
	111.9	E. O. H.										

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME MT
HOLE NO. 089-12 LENGTH 121.0 M
LOCATION West end of Boulder Zone
LATITUDE 106+15 N DEPARTURE 101+38 E
ELEVATION ± 1429 M AZIMUTH 0 DIP 90°
STARTED 6 Dec. 1989 FINISHED 7 Dec. 1989

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH

HOLE NO. 089-12 SHEET NO. 1 of 2
REMARKS
LOGGED BY H. SMIT

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	RQD
0	4.3	CASING - 14ft in hole.										
4.3	104.2	LAPILLI TUFF MOSTLY RED-GREY (MARROON TO RED CLASTS AND MATRIX WITH LESSER GREEN-GREY; MATRIX TO CLAST SUPPORTED BUT ABUNDANT CLASTS THRU-OUT; CLASTS MOSTLY < 4cm BUT 7 10cm ONES OBSERVED; MINOR CALCITE IN FRACTURES AND IRREGULAR STRINGERS; WEAKLY TO OCCASSIONALLY MODERATELY BROKEN; 80% RECOVERY TO 5.3m, 100% THEREAFTER; WEAK CLAST ALIGNMENT @ HIGH ∠'S TO C.A.; VERY SIMILAR LOOKING FOR A CONSIDERABLE DISTANCE (20.3 - 20.5) FINE GRAIN TUFF LAYER ⇒ POSSIBLY WATER LAIN; UPPER CONTACT IRREGULAR, LOWER CONTACT SHARP @ 85° TO C.A WITH 1cm Cc FILLED TENSION GASHES @ 90° TO CONTACT (∥ PARALLEL C.A.). 66.0m) CORE BECOMES SOMEWHAT DARKER; MATRIX DARK PURPLE-RED WITH GREENER ZONES; CLASTS DARK RED/PURPLE OR LESSER DARK GREEN (MORE Fe RICH?) 76.5m) 0.5 TO 1cm BANDING IN FINE GRAINED INTERVAL ⇒ POSSIBLE BEDDING @ 50° TO C.A. (84.0m) A GRADUAL INCREASE IN CALCITE CONTENT; MOD. ABUNDANT Cc STRS; PATCHES; MINOR ZONES OF WEAK TO MOD. CALCITE IN THE MATRIX 86.1m) 4cm CARB STR @ 35° TO C.A.; COMPOSITE BANDING OF CARB. LAYERS, NO SX. (CONT.)										4.3 - 8.2 50% 8.2 - 90.4 80 TO 90%

LANGRIDGES — TORONTO — 366-1166

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D89-12 SHEET NO. 2 of 2

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au oz/ton	ASSAYS Ag oz/ton	RQD
4.3	104.2	LAPILLI TUFF (CONT.) (87.5 - 90.4) MINOR QSTRS; SOME CARBONATE; @LOW L's TO C.A.; NARROW BANDS OF ALT^{n} (Ser-Ic-CARB-Chl) ALONG MARGINS; TRACE PY (90.4 - 90.9) BROKEN CORE; ABUNDANT Cc ON FRACTURES; SOME ALT^{n}, QTZ-CARB STRS @LOW L's TO C.A. (± 20°); MINOR CLAY BUT SOME MAY BE WASHED AWAY (90.9 - 104.2) ONLY MINOR LAPILLI, MOSTLY XTL TUFF. ABUNDANT FELD. XTLS; MOSTLY RED TO RED GREY, MOD. CALCITE										90.4 - 90.9 0% 90.4 - 104.2 90+%
104.2	106.1	ALTERATION ZONE 50% OF INTERVAL IS BLEACHED WITH ABUNDANT IRREGULAR CARB. STRS/PATCHES; AT LEAST 2 GENERATIONS OF CARBONATE; MINOR QTZ; MOSTLY @LOW L's TO C.A.; TRACES OF PY AND CPY DISSEM WITH CARBONATE	4578	<1%	104.2	105.2	1.0			0.001	0.03	104.2 - 106.1
			4579	<1%	105.2	106.1	0.9			0.001	0.05	100%
106.1	121.0	VOLCANIC TUFF MED GREY TO RED-GREY WITH MINOR GREEN PATCHES; MOSTLY FINE GRAINED TO MED. GRAINED; RARE LAPILLI; MOD. ABUNDANT Cc AS STRS/PATCHES/FRACTURE FILLINGS; CM SCALE TENSION GASHES WITH Cc COMMON @LOW L's TO C.A.; FAINT BUT DISTINCT BANDING @ 45° TO 60° TO C.A. MAY BE BEDDING ⇒ WATERLAIN TUFFS?; ABNT MICRO-FRACTURES FORM A WEAK CRACKLE TEXTURE WHICH IS LIGHTER COLORED THAN REST OF CORE (Cc ± Chl? IN FRACTURES)										106.1 - 121.0 80 ± 10%
	121.0	E.O.H. NOTE: This hole was stopped above the Boulder Zone main vein. The vein's steep increase in dip was not yet recognized. A. Colvin										

LANGRIDGES – TORONTO – 368-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: DOME MT.
HOLE NO.: D89-13 LENGTH: 102.7m (337')
LOCATION: West end of Boulder Zone
LATITUDE: 106+37 N DEPARTURE: 101+25 E
ELEVATION: ± 1429 M AZIMUTH: 015° DIP: 72°
STARTED: 7 Dec. 1989 FINISHED: 8 Dec. 1989

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH

HOLE NO. D89-13 SHEET NO. 1 of 3
REMARKS: -
LOGGED BY: H. SMIT

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	RQD
0	4.3	CASING - 14ft in hole.										
4.3	81.4	LAPILLI TUFF GREY; GREEN-GREY; TO RED-GREY MATRIX; RED AND GREEN FRAGS; MOSTLY MATRIX SUPPORTED; MINOR TO OCCASSIONALLY MODERATE CALCITE STRINGERS, PATCHES AND FRACTURE FILLINGS; MINOR Cc FILLED TENSION GASHES; MOD. TO WEAKLY BROKEN CORE; CLAST SIZE QUITE VARIABLE; <1cm TO 10+cm; FELD. PHENOS (<1mm) COMMON IN CLASTS AND MATRIX (4.3-6.4) MINOR WEATHERING ON FRACTURES (15.7-20.7) MINOR QTZ-CARB STRS; 3 UP TO 4cm STRS @ MOD. VARIABLE L'S TO C.A PLUS ABUNDANCE OF IRREGULAR STRS AND FRACTURE FILLINGS @ LOWER L'S TO C.A. THAT ARE < 0.5cm WIDE; MINOR PY WITH THE STRS; WEAK PATCHY GREEN TO GREY ALT 54m) ROCK BECOMES DARKER RED; CLASTS SIZE NOW MOSTLY <4cm, STILL MOSTLY MATRIX SUPPORTED; WEAK TO MOD FOLIATION DEVELOPING SHOWN BY ELONGATION OF CLASTS AND XTLS @ 50° TO 60° TO C.A. (54m-58m) MOD Cc, BCP IN IRREGULAR TENSION GASHES @ LOW L'S TO C.A. ⇒ PROBABLY DUE TO STRAIN ALONG A TUFF BED CONTACT (66.4-71.0) FINE GRAINED; RED; PROBABLE BEDDING @ 40° TO C.A (75.2-81.4) STRONG ELONGATION OF CLASTS SHOWS HIGH SHEAR STRAIN; STILL @ ± 50° TO C.A. 78.0m) 5cm COMPOSITE CARB-QTZ-CHL VEIN SHOWS MICRO FOLDING WITHIN; CONTACTS @ ~60° TO C.A BUT @ 90° FROM FOLIATION										4.3-6.4 70% 6.4-81.4 90%

LANGRIDGES — TORONTO — 368-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: DOME

HOLE NO. 89-13 SHEET NO. 2 of 3

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
81.4	83.0	ALTERATION/STRINGER ZONE 20% UP TO 8CM PODDY QTZ STRS @ MOD L'S TO C.A.; WALL ROCK IS BLEACHED, MOD TO INT - Ser ± Carb ± Chl ± Si; UPPER CONTACT TO ZONE SHARP ALT'N FRONT @ 50° TO C.A.; LOWER CONTACT IS GRADATIONAL STRS ARE WHITE WITH SOME GREY QTZ + MINOR CARB. THEY CONTAIN UP TO 25% PY + CPY + LESSER GALENA (FINE GRAINED); MINOR PY IN W.R. ADJACENT STRS; 5% IN BANDS AND FRACTURES IN THE STRS.	4580	3%	81.4	82.2	0.8			0.064	0.37	81.4 - 83.0 80%
			4581	2%	82.2	83.0	0.8			0.003	0.04	
83.0	91.3	LAPILLI TUFF RED-GREY WITH GREEN PATCHES; MATRIX SUPPORTED; MOD TO INTENSE ELONGATION OF CLASTS @ 50° TO 70° TO C.A., LOCALLY HIGHER L'; CALCITE FILLED CM-SCALE TENSION GASHES @ ± 20° TO C.A. ARE COMMON										83.0 - 91.3 90%
91.3	95.4	ALTERATION ZONE BLEACHED, INTENSELY ALTERED (Ser ± Chl ± Carb ± Si; VERY MINOR CLAY); OCCASSIONAL CRACKLE TEXTURE WITH CHLORITE IN FRACTURES; DISSEM PYRITE THROUGHOUT (1 TO 5%); FOL'N LARGELY MASKED BY ALT'N BUT STILL VISIBLE @ 50 TO 75° TO C.A.; MOD. ABUNDANT QSTRS, MOSTLY 2 CM BUT UP TO 4CM; SOME OF THE NARROW ONES SHOW MICRO FOLDING; CARB. WITH QTZ STRS AND IN IRREGULAR CARB. VEINS @ LOW L'S TO C.A.; QTZ STRS BOTH PARALLEL AND CROSSCUT FOLIATION PY, MINOR CPY + GAL IN STRS - UPPER CONTACT TO ZONE IS A SHARP BUT IRREGULAR ALT'N FRONT	4582		91.3	92.4	1.1			0.006	0.03	91.3 - 95.4
			4583	1-5%	92.4	93.4	1.0			0.003	0.02	95%
			4584		93.4	94.4	1.0			0.004	0.12	
			4585		94.4	95.4	1.0			0.009	0.41	

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D89-13 SHEET NO. 3 of 3

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au oz/ton	ASSAYS Ag oz/ton	RQD
95.4	96.4	QUARTZ STR/VEIN ZONE 50% WHITE TO GREY QTZ STRS/VEINS UP TO 15CM WIDE, MOSTLY @ 50° TO 60° TO C.A WITH i-ALT^{D} VOLC. BETWEEN; STRS CONTAIN UP TO 50% FINE TO MED GRAINED PY, UP TO 2% CPY AND TRACES OF GALENA; WALLROCK IS FOLIATED PARALLEL TO THE STRS/VEINS MINOR STYLOLITES WITHIN STRS/VEINS; Sx IN FRACTURES AND NARROW BANDS; BANDS of i-ALT^{D} W.R. COMMON IN STRS/VEINS	4586	7%	95.4	95.9	0.5m			0.074	1.65	95.4-96.4
			4587	10%	95.9	96.4	0.5m			0.148	1.58	80%
96.4	98.6	ALTERATION ZONE INTENSE PERVASIVE DECREASING TO PATCHY PERVASIVE ALT^{N} (Ser-Cab ± Chl ± Si); 10% DECREASING TO MINOR UP TO 4CM QSTRS; FOL^{N} (@ 50° TO 60° TO C.A.) DECREASES QUICKLY TO WEAK; UNALTERED PATCHES ARE MED TO DARK GREY-RED MED-GRAINED VOLCANIC (TUFF?); QSTRS MOSTLY <0.5CM, @ VARYING L'S TO C.A BUT MOST COMMONLY 40° TO 60°; PY WITHIN STRS, Tr-CPY	4588	4%	96.4	97.5	1.1			0.031	0.11	96.4-98.6 90%
			4589	2%	97.5	98.6	1.1			0.001	0.03	
98.6	102.7	VOLCANIC TUFF DARK GREY-RED WITH 20%, DECREASING TO MINOR BLEACHED ZONES CENTERED ON <1CM QSTRS; TUFF IS FINE TO MED GRAIN XTL TUFF WITH MINOR LAPILLI; MINOR QSTRS @ MOD TO LOW L'S; MOD CALCITE AS TENSION TYPE STRS MOSTLY @ VERY LOW L'S TO C.A AND OCCASSIONALLY PERVASIVE Cc IN TUFF MATRIX										98.6-102.7 90%
	102.7	E.O.H.										

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME
HOLE NO. D89-14 LENGTH 157.6m (517')
LOCATION West end of Boulder Zone.
LATITUDE 106+37 N DEPARTURE 101+25 E
ELEVATION ± 1429 M AZIMUTH 0 DIP -90°
STARTED 8 Dec. 1989 FINISHED 9 Dec. 1989

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH

HOLE NO. D89-14 SHEET NO. 6 of 3
REMARKS
LOGGED BY H. SMIT

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	RQD
0	4.3	CASING - left in hole.										
4.3	98.1	LAPILLI TUFF GREEN-GREY MATRIX WITH GREEN, RED, GREY CLASTS; MATRIX SUPPORTED; CLASTS HIGHLY VARIABLE IN SIZE (1CM TO 10+ CM); 1/CM FELD. XTLS COMMON IN CLASTS AND MATRIX; WEAK ALIGNMENT OF CLASTS @ HIGH L TO C.A. MINOR CHLORITE STRS (MOSTLY TENSION TYPE) @ MOD. L'S TO C.A.; VERY MINOR UP TO 1CM QSTRS @ LOW L'S TO C.A WITH NARROW BLEACHED ALTERATION ENVELOPES (15.5-15.8) CLAY ON A SLIP @ VERY LOW L TO C.A.; BLEACHED AROUND IT (16.0-21.0) SEVERAL <0.5CM QSTR TO PY @ VARYING L'S TO C.A., MINOR PY IN WALL ROCK (WEAK-QSTRS) 52.0m) 4 CM SHEAR ZONE @ 70° TO C.A W 1CM QTZ-CARB STR.; ALSO A SINUOUS LOW L STR ABOVE THE ZONE 52.4m) ROCK BECOMES DISTINCTLY MORE RED/PURPLE UP TO 2M INTERVALS OF FINE GRAINED TUFF INTERCALATED WITH MORE PREDOMINANT LAPILLI TUFF; SOME POSSIBLE BEDDING @ 50° TO 70° TO C.A.; STRONGER ALIGNMENT OF CLASTS @ HIGH L'S TO C.A.; MINOR GREEN ALT'N SECTIONS; CL STRS @ LOWER L'S TO C.A. (61.7-62.2) BROKEN CORE; CLAY ON FRACTURES AND WEAKLY PERVASIVE; ZONE @ 30° TO C.A. 87m) CORE BECOMES GREENER; STILL RED-GREY											4.3-5.8 40% 5.8-15.5 90% 15.5-16.0 20% 16.0-51.5 90% 51.5-52.2 50% 52.2-61.7 90% 61.7-62.2 20% 62.2-98.1 90%

LANGRIDGES — TORONTO — 366-1188

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D89-14 SHEET NO. 2 of 3

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	RQD
98.1	114.5	VOLCANIC TUFF FINE GRAINED WITH RARE LAPILLI; MED TO DARK RED-GREY; WEAK TO OCCASSIONALLY MOD. Cc AS STRS/PATCHES AND SOMETIMES PERVASIVE IN THE MATRIX; MM TO CM TENSION GASHES ⇒ Cc COMMON; POSSIBLE BEDDING @ 50° TO 70° TO C.A. (MAY BE DUE TO DEFORMATION); (103.8 - 104.2) GREEN TO BUFF ALT≅ AROUND A 4cm QSTR @ 40° TO C.A.; STR CONTAINS 10% py (112.8 - 114.5) MINOR TALC ON FRACTURES											98.1 - 114.5 90%
114.5	125.9	LAPILLI TUFF RED/MAROON TO GREY-RED; MOSTLY <2cm CLASTS; IN PART CLAST SUPPORTED; MINOR Cc; ZONES WITH MOD CARB. STRS. (119.1 - 122.5) WEAK INCREASING TO MOD-ALTERED; STARTS WITH SOME CLASTS BEING BLEACHED AND INCREASES TO MOD PERVASIVE Ser + Chl ± CLAY ± CARB; FOL≅, CLAST ELONGATION @ ± 60° TO C.A.; MOD UP TO 2cm CARB (DOL/ANK?) STRS @ VARYING L'S TO C.A. (122.5 - 122.8) BROKEN CORE, CLAY ON FRACTURES; FOL² @ 60° TO C.A. ⇒ MOD TO WEAK FAULT (122.8 - 124.6) ALT≅ QUICKLY DROPS TO WEAK; PATCHY PERVASIVE ALT≅ PLUS BLEACHING OF SOME CLASTS (124.0 - 125.9) CARB. IN FRACTURES (Cc + DOL/ANK)											114.5 - 122.5 90% 122.5 - 122.8 0% 122.8 - 125.9 90%
125.9	136.6	CRYSTAL TUFF FELDSPAR (±2mm) RICH CRYSTAL TUFF; RED-GREY; MASSIVE; ± 20% TO 30% FELD XTLS; CARBONATE (MINOR TO MOD) IN FRACTURES AND 1/CM STRS @ MOD. L'S TO C.A.; MINOR BLEACHING ALONG SOME FRACTURES (FOL UP TO 2cm)											125.9 - 136.6 95%

LANGRIDGES – TORONTO – 366.1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. 089-14 SHEET NO. 3 of 3

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
136.6	137.8	ALTERATION ZONE MOD INCREASING TO INTENSE ALT^{N} XTR TUFF; ALT^{N} APPEARS TO BE PREDOMINATELY CARBONATE ± Ser; CORE BLEACHED, MOD CARB STKS; TRACE INCREASING TO 2 % DISSEM PY	4590	1%	136.6	137.8	1.2			0.003	0.01	136.6-137.8 80%
137.8	138.4	QUARTZ VEIN (0.6 M) MOTTLED WHITE TO GREY QTZ WITH ABUNDANT CLAY PARTINGS AND FRACTURE COATINGS; 1CM CLAY GOUGE ON HW & FW; CONTACTS @ 35° TO C.A. -5 % FINE GRAINED PY IN FRACTURES AND PARTINGS; 0.5 % DISSEM CPY - MINOR CARB. IN FRACTURES AND PATCHES	4591	5%	137.8	138.4	0.6			0.490	1.46	137.8-138.4 60%
138.4	139.7	ALTERATION ZONE INTENSE, DECREASING TO MOD Ser-CARB-Si-Chl; INTENSELY DEFORMED CLOSE TO QV; DECREASING TO MOD DEFORMED; VEIN CUTS HIGHLY IRREGULAR FOL^{N} IN ALT^{N} ZONE @ HIGH L'S, BUT GENERAL CONTACTS OF ALT^{N} ARE PARALLEL TO VEIN TRACES OF DISSEM PY 	4592	Tr	138.4	139.7	1.3			0.018	0.24	138.4-139.7 80%
139.7	157.6	VOLCANIC TUFF GREEN TO GREY-GREEN, OCCASSIONALLY PATCHY RED-GREY; FINE GRAINED WITH SOME LAPILLI SECTIONS; CONTACTS HARD TO MAKE OUT; CARB (CC ± DOLOMITE) STRS COMMON THRU-OUT; MOSTLY 1/CM, RARELY UP TO 5CM, @ VARYING L'S TO C.A BUT 50°-60° AND VERY LOW L'S PREDOMINATE; MINOR IRREGULAR 1/CM QTZ-CARB STKS TO PY AND TR-CPY, STRS ARE @ VARIOUS AND VARIABLE L'S TO C.A.; BANDS OF SHEARING / FOLIATION / MICRO FOLDS COMMON, BUT DECREASE IN INTENSITY DOWN HOLE. TYPICALLY 5 TO 15CM ZONES WITH CARB ± QTZ STRS WITHIN, SHEARING @ 60° TO 80° TO C.A. => OVERALL A LITHOLITIC ZONE WITH WEAK TO MOD DEFORMATION E.O.H.										139.7-157.6 80 TO 90 %
	157.6											

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: DOME MT
HOLE NO.: D90-1 LENGTH: 99.7 M (327')
LOCATION: EAST OF BOULDER CR, on Forks road, ± 28m SW of 89-6
LATITUDE: DEPARTURE:
ELEVATION: ± 1328 AZIMUTH: 020 DIP: -45
STARTED: JAN 11/90 FINISHED: JAN 12/90

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH
99.7	-45.5				

HOLE NO. D90-1 SHEET NO. 1 of 5
REMARKS:
LOGGED BY: HANS SMIT

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	% SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	TOTAL	ASSAYS %	ASSAYS %	Au OZ/TON	Ag OZ/TON	RQD
0	4.0	CASING										
4.0	6.7	LAPILLI TUFF GREY-GREEN; ABNT CLASTS, MOSTLY <4cm; FELD. PHENOS (<2mm) common in CLASTS; QUITE HARD (w- Si?); MINOR CARBONATE IN FRACTURES; GETS GRADUALLY LIGHTER GREY @ LOWER END										4.0-6.7 80%
6.7	25.8	ALTERED VOLCANICS VARIABLY ± Si ±Ser ± CARB ± CLAY ALTERED VOLCANICS; LAPILLI VISIBLE IN WEAKER ALT^{n} SECTIONS; Sx BEARING, SHEAR HOSTED STRS WITHIN (6.7-10.8) GREY WITH PATCHY BLEACHED BUFF COLORED ZONES; MOD TO INTENSE PERVASIVE Si WITH PATCHY INTENSE Ser ± CARB, CLAY, MINOR CORE LOSS @ 7.4 M; WEAK FOL^{n}/CLAST ALIGNMENT @ 50° TO 60° TO C.A. (10.8-11.1) BLACK WITH PATCHY BLEACHED CORE; BLACK MINERAL UNKNOWN, CORE QUITE HARD, BLOCKY, APHANITIC BLACK WITH SOME TAN <1mm SPECKS AND IRREGULAR TAN PATCHES ⇒ POSSIBLY GRAPHITE ALT^{n} OVERPRINTING i- Si-Ser-Carb ALT^{n}; MINOR <2mm WIDE QSTRS; TRACE-PY (11.1-11.5) FAULT ZONE; CORE IN SMALL BITS; 50% RECOVERY; MIXED BLACK & BUFF COLORED BITS; TRACE DISSEM PY (11.5-12.8) BLEACHED/BUFF; i- Ser ± CARB, WEAK-Si; MOD FOL^{n} SHOWN BY CLAST ALIGNMENT @ 45° TO C.A.; TT-PY (CONT.)	4616	Tr	10.8	11.1	0.3			0.004	0.03	6.7-7.4 70% 7.4-7.7 0% 7.7-10.8 90% 10.8-11.1 0% 11.1-11.5 0% 11.5-12.8 60%

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D 90-1 SHEET NO. 2 of 5

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
6.7	25.8	ALTERED VOLCANICS (CONT.)										
		(12.8 – 13.3) SHEAR / STR ZONE GREY TO TAN (Ser-CARB ± Si ± G?) VERY BROKEN CORE; IRREGULAR SHEARS @ MOD L'S TO C.A.; 2cm SHEARED QSTR @ UPPER END OF INTERVAL; BROKEN WHITE QTZ, W. RUSK AND ABUNDANT (30%) Sx; (Sph, Py); BRXX WITH WHITE QTZ FRAGS @ LOWER END OF INTERVAL FOR 10 cm, MIXED WITH ALT^{D} W.R AND CLAY, TRACES PY	4617	4%	12.8	13.3	0.5			0.060	0.18	12.8 – 13.3 0%
		(13.3 – 14.2) BLEACHED / BUFF; i-Ser ± CARB, WEAK Si; MINOR GREY (G?) IN FRACTURES; BROKEN CORE										13.3 – 14.2 20%
		(14.2 – 17.4) GREY WITH PATCHY BLEACHED / BUFF SECTIONS; MOD TO i-Si WITH PATCHY MOD-Ser ± CARB; LIGHT GREY AT FIRST WITH DARK GREY / BLACK IN FRACTURES (WEAK TO MOD); LAST 80 CM GETS INCREASINGLY DARK GREY, FOL^{N} @ ±50° TO C.A W DARK GREY + MINOR DISSEM PY; PROBABLY G (GRAPHITE), WEAK INCREASING TO INTENSE THRU INTERVAL; MINOR LATE BARREN LO. SETS QTZ-CARB STRS @ LOW L'S TO C.A. CUT ALT^{N} ⇒ STRS DI SHOW MICRO FOLDING ⇒ FOL^{N} - ALT^{N} - STRS - MORE DEFORMATION										14.2 – 17.4 70%
			4618	4%	16.6	17.4	0.8			0.006	0.03	
		(17.4 – 17.7) CORE IN SMALL CHIPS; GREY, i-Ser-CARB ± G I MINOR Si; MINOR LOSS										17.4 – 17.7 0%
		(17.7 – 18.1) BLEACHED / BUFF; i-Ser ± CARB, W-Si; BLACK G i IN FRACTURES; BROKEN CORE; Tr-Py	4619	Tr	17.4	18.1	0.7			0.091	0.12	17.7 – 18.1 40%
		(18.1 – 18.3) QSTR @ ±30° TO C.A. WHITE QTZ W ABT Sx (Py, Sph); ABT PARTINGS SUBPARALLEL WALLS; MINOR GRAPHITIC STYLOLITES; SHEARED CONTACTS; ~30% Sx, FINE GRAIN LIGHT BROWN Sph. AND MED GRAIN Py IN PATCHES AND BANDS	4620	30%	18.1	18.3	0.2			0.377	1.61	18.1 – 18.3 0%

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: Dome

HOLE NO.: D90-1 SHEET NO.: 3 of 5

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	
6.7	25.8	ALTERED VOLCANICS (CONT.) (18.3–18.8) BLEACHED/BUFF; i- Ser± CARB, w-s.; STRONG SHEARE 30° TO C.A. FOR FIRST 0.1m, THEN STRONG FOL^n @ ±60° TO C.A.; TRACE BRIGHT GREEN MICA; <1% FINELY DISSEM PY.	4621	<1%	18.3	18.8	0.5			0.027	0.12	18.3–18.8 40%
		(18.8–25.8) i-Silicified; GREY WITH SOME PATCHY BUFF (Ser) ZONES; ABNT BARREN WHITE QSTRS UP TO 3 cm WIDE @ 30° TO 45° TO C.A ⇒ TENSION TYPE, MINOR CARBONATE; FOL^n @ 50° TO 60° TO C.A. SOMETIMES VISIBLE; - 4cm QSTRS W PY @ 45° TO C.A @ 24.9m, CLAY SLIP ON H.W. - MINOR BRIGHT GREEN MICA AND DARK GREEN CHL THRU-OUT. - ALT^n DROPS ABRUPTLY @ END OF INTERVAL @ ~70° TO C.A.	4622	Tr	23.8	25.0	1.2			0.032	0.11	18.6–25.8 85%
25.8	69.4	LAPILLI TUFF HEMATITIC (DARK TO BRICK RED) - ABNT, MOSTLY <4cm CLASTS; OCCASSIONAL BEDDED TUFFS WITH BEDDING @ 45° TO 60° TO C.A.; MINOR GREEN ALT^n BANDS (<5cm MOSTLY); STRONG DECREASING TO OCCASSIONAL WEAK FOL^n / CLAST ALIGNMENT @ 60° TO C.A. TO 45° TO C.A TILL ~34m; MINOR CARB± Si <1cm STRS; COMPETENT CORE; WEAK TO MOD. CALCAREOUS MATRIX COMMON (29.3–29.5) QSTRS @ HIGH < TO C.A.; 50% GREYISH WHITE QTZ STR; PATCHES W WEAK ALT^n W.R. (CHL ± Ser); CHL ALSO IN STRS	4623	—	29.3	29.5	0.2			0.004	0.04	25.8–69.4 90+%
		(34.1–34.4) TUFF BED WITH <4cm CLASTS IN A VERY CALCAREOUS MATRIX; BEDDING 40° TO C.A. (34.4–44.0) SOME BEDS OF QTZ-LAPILLI TUFF WITH <10% LAPILLI										

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: DOME

HOLE NO. D90-1 SHEET NO. 4 of 5

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	RQD
25.8	69.4	LAPILLI TUFF (cont.) (56.0-61.1m) MOD IRREGULAR Cc ± Chl ± TALC STKS, <2mm @ LOW L's TO C.A. (61.1-65.1) BROKEN CORE; ALTERED TO LIGHTER RED WITH PATCHY GREY-GREEN TO TAN; SOME CLASTS DARK CHL GREEN; ABNT CARB ± S; STKS (MOSTLY <5mm) @ VARIOUS L's TO C.A.; CLAY ± CARB ON FRACTURES W-TOM - Chl-K-CARB ± S. (65.1-69.4) FAULT ZONE MOD TO i-K; BROKEN CORE COMMON; CARB ± S. STKS COMMON; TALC ON SOME FRACTURES; ZONES UP TO 0.8M OF CLAY (i.e 69.1-69.8); i-K ZONES @ 45° TO 60° TO C.A.; ROCK LIGHT-RED TO TAN/BUFF; ONLY MINOR CORE LOSS										61.1-65.1 60% 65.1-69.4 40%
69.4	76.3	VOLCANIC TUFF XTL TUFF WITH MINOR LAPILLI; HEMATITIC, DARK RED MATRIX; MINOR Cc STKS (69.4-70.3) MOD DECREASING TO W-K; CORE STILL DARK RED (70.3-75.9) COMPETENT CORE (75.9-76.3) INCR TO i-K; BROKEN CORE "MATRIX LIGHTER RED/GREY; STRUCTURE APPEARS TO BE @ FAMILY LOW L TO C.A. ⇒ FAULT										69.4-70.3 50% 70.3-75.9 90% 75.9-76.3 40%

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: DOME

HOLE NO.: D 90-1 SHEET NO.: 5 of 5

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
76.3	99.7	AMYGDALOIDAL FLOWS / CRYSTAL TUFF INTERCALATED AMYG. FLOWS AND LESSER BEDDED CRYSTAL TUFFS; FLOWS ARE DISTINCTIVE WITH ABNT Cc FILLED AMYG. PLUS DARK GREEN AND RED PHENOS IN A RED TO PURPLE MATRIX; TUFFS ARE BEDDED (1/ TO 4 cm), RED WITH ABNT WHITE Cc IN THE MATRIX; CALCAREOUS UNIT THRU-OUT; BEDDING @ 35° TO 45° TO C.A.; PATCHY EPIDOTE ALT^{n}, CROSS-CUTTING Cc ± Si STRS (± EPID) WEAKLY TO MOD COMMON THRU-OUT (76.3 - 77.3) GREYER; AMYG. LESS DISTINCT (97.5 - 98.9) WEAK PERVASIVE EPID. ALT^{n}; EPID-Cc STRS ARE CROSS-CUT BY LATER Cc STRS (MM SCALE) (98.9 - 99.7) BROKEN CORE; GREYER; K ON FRACTURES, MINOR BARREN QTZ PATCHES	4624	T-	98.9	99.7	0.8			0.001	0.02	76.3 - 98.9 90% 98.9 - 99.7 10%
	99.7	E.O.H.										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: DOME MT.
HOLE NO. D90-2 LENGTH 111.9
LOCATION EAST OF BOULDER Cr; ON Forks Road @ 90.1
LATITUDE _____ DEPARTURE _____
ELEVATION ± 1328 AZIMUTH 020 DIP -70
STARTED JAN 12/90 FINISHED JAN 13/90

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH
90.5	-71.0				

HOLE NO. D90-2 SHEET NO. 1 of 5
REMARKS _____

LOGGED BY HANS SMIT

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au oz/ton	ASSAYS Ag oz/ton	RQD
0	1.5	CASING										
1.5	7.4	LAPILLI TUFF GREEN-GREY; ABNT CLASTS; PATCHY SILICIFIED ZONES AND GENERALLY WEAK MODERATE Si; MINOR Si ± CARB STKS AND FRACTURE FILLINGS; BLOCKY CORE COMMON; 70% RECOVERY TO 6.7m.										1.7-5.5 50% 5.5-7.4 70%
7.4	21.2	ALTERED VOLCANIC VARIABLY ± Si ± Ser ± CARB ± CLAY ALTERED VOLC; DARK GREY/BLACK SECTIONS WHICH MAY BE GRAPHITE (G) ALT'N; BROKEN, BLOCKY CORE THROUGH-OUT (7.4 - 8.8) GREY TO BLEACHED/RUFF; MOD Si-Ser-CARB (8.8 - 9.3) PATCHY BLEACHED AND BLACK; MOD. IRREGULAR WHITE QTZ IN < 5mm STKS AND TENSION FILLINGS; i- Si-Ser-G; Tr-PY	4625	Tr	8.8	9.3	0.5			0.001	0.01	7.4-14.0 50%
		(9.3 - 11.8) BLEACHED/RUFF WITH SOME GREY; MUCH LESS Si THAN BEFORE; i-Ser ± CARB ± W-G?; FOL'N COMMON @ 60° TO 80° TO C.A.; SHOWS MM SCALE MICRO-FOLDING; ESP STRONG IN THE HW OF A 2cm QSTR BY 10.1m (STR @ HIGH ∠ TO C.A.), TRACES DISSEM F.G. PY	4626	Tr	9.3	10.8	1.5			0.005	0.02	
			4627	Tr	10.8	11.8	1.0			0.005	0.06	
		(11.8 - 12.9) BRXX/SHEAR ZONE; VOLC CLASTS IN MATRIX OF SIMILAR; VARIABLE BLACK IN MATRIX i-Ser-CARB; M.G; @ VARIABLE HIGH ∠'s TO C.A.	4628	Tr	11.8	12.9	1.1			0.001	0.02	

LANGRIDGES — TORONTO — 360-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: DOME

HOLE NO. D90-2 SHEET NO. 2 of 5

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	
7.4	21.2	ALTERED VOLCANICS (CONT.) (12.9 - 14.0) BLEACHED; i - Ser ± CARB ±; W - G	4629	Tr	12.9	14.0	1.1			0.003	0.01	
		(14.0 - 14.3) QSTR ZONE VERY BROKEN CORE; ~ 50% WHITE QSTR; UNKNOWN IF ONE STR OR A NUMBER OF STRS; BANDING W LARGER PIECES @ HIGH L TO C.A.; MM SCALE BANDS / STYLOLITES WITH GRAPHITE ± PY; 10% STR (PY, SPH) IN PATCHES AND BANDS; VOLC ROCK IS i - Ser ± CARB, W - G. ALT ±	4630	5%	14.0	14.3	0.3			0.198	0.64	14.0 - 14.3 0%
		(14.3 - 14.8) BLEACHED; i - Ser ± CARB, BROKEN CORE; MINOR FOL± @ HIGH L TO C.A.	4631	Tr	14.3	14.8	0.5			0.006	0.03	14.3 - 14.8 60%
		(14.8 - 21.2) i-S: ZONE; GREY, ABUNDANT BARREN WHITE QSTRS, MOSTLY @ LOW L'S TO C.A.; MINOR CARB ∓ QTZ. MINOR GREEN MICA [18.9 - 20.4] CLAY ± TALC IN LOW L FRACTURES 20.4m) 2cm QSTR ∓ PY @ 70° TO C.A. [21.0 - 21.2] ALT± DROPS QUICKLY, TO UNALTERED @ 21.2 m.	4632	<.05%	19.1	20.6	1.5			0.004	0.05	14.8 - 21.2 80%
21.2	70.7	LAPILLI TUFF HEMATITIC LAPILLI AND LESSER XTL - LAPILLI TUFF; CONTACTS BETWEEN BEDS @ HIGH L'S TO C.A.; MINOR GREEN ALT ± BANDS; OCCASSIONALLY CALCAREOUS MATRIX; MINOR CARB ± S: STRS AND FRACTURE COATINGS NOTE: VVFG ± CALC XTLS IPY IN STRS (40.2 - 46.2) MOSTLY GREEN; OCCASSIONAL TO MOD QTZ-CARB STRS; ESP FROM 41.0 - 43.1 M; STRS UP TO 4cm WIDE, @ HIGH L'S TO C.A.; CONTAIN UP TO 10% PY, TRACE GREY MINERAL (TETR?); 1% FINE GRAIN PY IN W.R FROM 42.5-43.1m; WEAK TO MOD FOL± @ HIGH L'S TO C.A.	4633	<.05%	41.0	42.5	1.5			0.003	0.10	21.2 - 46.2 80 TO 90%
			4634	1%	42.5	43.1	0.6			0.012	0.09	

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-2 SHEET NO. 3 of 5

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
21.2	70.7	LAPILLI TUFF (CONT.) (52.8 - 66.8) MATRIX HIGHLY CALCAREOUS (66.8 - 70.4) ABNT CARB STRS UP TO 4cm WIDE, MOSTLY @ LW L's TO C.A.; WEAK FOL≈ @ ± 30° TO C.A. (70.4 - 70.7) GREEN; LOWER CONTACT OF UNIT INDISTINCT										46.2 - 70.7 90+%
70.7	74.6	ALTERED AMYGDALOIDAL FLOW GREEN TO RED-GREEN; ABUNDANT QTZ-CARB STRS/PATCHES; STRS CONTAIN MINOR PY ± CPY ± SPH ± HEM ± CHL; OVERALL M - CHL - S; ± CARB ± W-Ser ALT⁰ ⇒ ALT≈ ON UPPER CONTACT OF FLOW UNIT (70.7 - 71.8) AMYGDULES FOR 40cm, THEN DISTINCT CALCITE FILLED AMYG; LOWER CONTACT ≈ TUFF INDISTINCT; MOD < 2cm QTZ-CARB STRS	4635	<0.5%	70.7	71.8	1.1			0.006	0.10	70.7 - 74.6 90%
		(71.8 - 72.2) SHEARED @ HIGH L's TO C.A.; Bcm QSTR @ ± 70° TO C.A @ END OF INTERVAL; ABUNDANT QTZ-CARB STRS/PATCHES ABOVE; STR CONTAINS 10% CPY > PY > SPH > HEM + CHL + CARB	4636	1%	71.8	72.2	0.4			0.407	1.23	
		(72.2 - 74.6) ABNT IRREGULAR QTZ ± CARB PATCHES/STRS; ABNT CHL IN PATCHES AND FRACTURES; ABUNDANT HEALED MICROFRACTURES; TRACE Sx WITH QTZ	4637	Tr	72.2	73.4	1.2			0.005	0.06	
			4638	Tr	73.4	74.6	1.2			0.005	0.05	
74.6	79.1	AMYGDALOIDAL FLOW RED-GREY; GREEN AND RED < 4mm AMYG; MINOR CC FILLED AMYG; COMMON < 2cm QTZ-CARB STRS @ LOW L's TO C.A. (BARREN); MINOR GREEN ALT⁰ ZONES (77.4 - 78.1) GREEN ALT⁰; CONTAINED IN 10cm OF IRREGULAR SHEAR ≈ Ser + ABNT QTZ-CARB CLASTS; Tr-PY	4639	Tr	77.4	78.1	0.7			0.006	0.12	74.6 - 79.1 95%

LANGRIDGES — TORONTO — 368-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-2 SHEET NO. 4 of 5

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	% SULPHIDES	METRES FROM	METRES TO	METRES TOTAL	ASSAYS Au %	Ag %	Au OZ/TON	Ag OZ/TON	
79.1	81.9	ALTERED AMYGDALOIDAL FLOW INTENSELY ALT^{D}, SHEARED; GREY TO BUFF WITH ABUND. BRIGHT GREEN SPECKS; STRONG FOL^{N} @ 30° TO 40° TO C.A.; i- SER ± CARB ± GREEN MICA (MARIPOSITE?) ± W-S; QTZ-CARB PATCHES/NARROW STKS WEAK TO MOD THRU-OUT; Tr. DISSEM PY	4640	Tr	79.1	80.5	1.4			0.010	0.06	79.1-81.9
			4641	Tr	80.5	81.9	1.4			0.006	0.07	60%
81.9	82.5	QUARTZ VEIN (0.6M) MOTTLED WHITE TO GREY QTZ; CONTACTS @ ±30° TO C.A.; 5% MED GRAIN PY, MINOR CPY, SPH; CR IN FRACTURES AND BANDS SUBPARALLEL CONTACTS; WHITE QTZ EARLIER, HIGHLY FRACTURED WITH GREY QTZ SEALING FRACTURES	4642	5%	81.9	82.5	0.6			0.223	0.76	81.9-82.5 70%
82.5	86.4	ALTERED AMYGDALOIDAL FLOW PALE GREEN-GREY; i- SER ± CARB; CLAY IN FRACTURES AND BANDS, INCREASING IN AMOUNT TO 86.4M; WEAK TO MOD FOL^{N} @ LOW L'S TO C.A.; OCCASIONAL BRIGHT GREEN MICA; ONLY VERY FEW CARB ± S; STK PATCHES; T-PY	4643	Tr	82.5	83.5	1.0			0.005	0.04	82.5 86.4 50%
86.4	87.2	FAULT ZONE i- CLAY; LIGHT GREY GREEN (SER ALT^{D} VOLCS); CORE IS VERY SOFT; MINOR CARB. CLASTS	4644	—	86.4	87.2	0.8			0.001	0.05	86.4-87.2 0%

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-2 SHEET NO. 5 of 5

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
87.2	97.3	ALTERED VOLCANICS MOD TO INTENSELY ALTE FINE TO MED. GRAINED VOLCS; TOO ALT^{D} IN MOST PLACES TO TELL ORIGINAL ROCK TYPE. SOME MAY BE ANDESITIC, BUT MORE PROBABLY ALTE. EQUIVALENT OF UNDERLYING VOLCANICS. BLEACHED BUFF TO GREEN-GREY TO RED-GREY; MOD TO INT. Ser ± CARB WITH PATCHY Si ZONES; CLAY ZONES, FRACTURE COATINGS COMMON TRACE-WIT, GENERALLY QUITE BROKEN CORE; QTZ ± CARB STRS/PATCHES UP TO 1CM WIDE WEAK TO MOD. COMMON; MINOR PY SOMETIMES WITH THE QTZ											87.2-95.0 60%
		(91.7-93.4) 5% QTZ-CARB STRS/PATCHES; <0.5% VERY FINE GRAIN PY	4645	<0.5%	91.7	92.5	0.8			0.001	0.04	
			4646	<0.5%	92.5	93.4	0.9			0.004	0.03	
		95.0 m) CORE BECOMES MORE COMPETENT; PATCHES OF WEAKER ALT^{N}										95.0-97.3 80%
		(95.9-96.6) 5% IRREGULAR QTZ ± CARB PATCHES/STRS; MOSTLY @ LOW L's TO C.A.; MINOR DISSEM. F.G. PY.	4647	<0.5%	95.9	96.6	0.7			0.001	0.04	
		(96.6-97.3) PATCHY ALT^{N}										
97.3	111.9	VOLCANIC TUFF DARK GREY; FINE TO MED. GRAIN MASSIVE XTL TUFF AND LESSER LAPILLI TUFF; MINOR Cc IN STRS AND PATCHES; COMPETENT CORE (106.8-107.6) CORE LIGHTER; CLAY IN FRACTURES 108.1 m CONTACT BETWEEN A LAPILLI; CRYSTAL LAYER; IRREGULAR BUT @ ± 60° TO C.A.										97.3-111.9 90+%
	111.9	E.O.H.										

LANGRIDGES – TORONTO – 366-1158

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME MT.
HOLE NO. D90-3 LENGTH 156.7m (514')
LOCATION EAST OF BOULDER Cr. & 20m NW of 89-6
LATITUDE _____ DEPARTURE _____
ELEVATION ± 1336 AZIMUTH 020 DIP -45
STARTED JAN 13/90 FINISHED JAN 14/90

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH

HOLE NO. D90-3 SHEET NO. 1 of 5
REMARKS _____

LOGGED BY HANS SMIT

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au oz/ton	ASSAYS Ag oz/ton	RQD
0	5.2	CASING										
5.2	12.9	CRYSTAL-LAPILLI TUFF GREEN-GREY WITH YELLOWISH COLORED CONSTITUENT; ABUNDANT <2mm FELD XTLS; MINOR, MOSTLY <1cm LAPILLI; W-TO MOD-PERVASIVE Ser-KLAY ± CARB RESULTS IN YELLOWISH BUFF COLOR TO FELD.; MINOR CLAY IN FRACTURES; BROKEN CORE COMMON; ALT° DROPS IN INTENSITY ~ 11.6m; MINOR SILICIFIED PATCHES; 60% RECOVERY TO 7.6m; 90% TO 12.9m IN PLACES SHEARED / BROKEN @ ± 40° TO C.A.; FELD SOMETIMES CALCAREOUS (5.0 - 5.7) CPY; MOD - G?										5.2 - 11.6 50% 11.6 - 12.9 80%
12.9	15.0	SILICIFIED VOLCANICS GREEN; (PATCHY DARK TO LIGHT GREY-GREEN); APHANITIC TO FINE GRAIN; UPPER CONTACT IRREGULAR @ ± 30° TO C.A.; LOWER @ ± 60°; CONTACTS SHARP ⇒ POSSIBLY SELECTIVE SILICIFICATION OF A TUFF BED; POSSIBLY ORIGINAL SILICIFICATION; MINOR CROSS-CUTTING STRS ≈ Cc										12.9 - 15.0 90%
15.0	32.1	LAPILLI TUFF HEMATITIC; VARIES FROM LAPILLI TO XTL-LAPILLI; CLASTS GENERALLY QUITE SMALL (< 1cm); THOUGH UP TO 5cm CLASTS OBSERVED; MINOR CLASTS OF AMYGD ALOVAR FLOW ROCK; MATRIX WEAKLY TO OCCASSIONALLY MOD CALCAREOUS; VERY CALCAREOUS CLASTS COMMON AROUND 19.5m; UP TO 5cm BANDS OF GREEN ALT°, OFTEN CONTORTED AROUND A MM SCALE CARB (±S:) STR MOD COMMON @ ~45° TO C.A.; WEAK FOL° @ ±45° TO C.A DEVELOPED NEAR BOTTOM OF INTERVAL (15.0 - 17.4) ~30% GREEN SILICIFIED AS ABOVE; CONTACTS MOSTLY @ ±45° TO C.A ⇒ SELECTIVE SILICIFICATION OF BEDS??										15.0 - 32.1 95%

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: DOME

HOLE NO.: D90-3   SHEET NO.: 2 of 5

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	% SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	TOTAL	%	%	Au OZ/TON	Ag OZ/TON	RQD
32.1	34.5	ALT^a /STR ZONE MOD TO i- Ser-CARB-GREEN MICA ± GRAPHITE (FOR 10cm EACH SIDE OF STR) AROUND A QSTR @ 33.3m · FOL^n @ 35° TO 45° TO C.A; MINOR FAULT GOUGE (32.1-32.9) 1% DISSEM PY	4648	1%	32.1	32.9	0.8			0.001	0.07	32.1-32.9 80%
		(32.9-33.3) MINOR <2cm QSTRS ± PY, Sph @ 35° TO 40° TO C.A.; BROKEN CORE	4649	2%	32.9	33.3	0.4			0.007	0.13	32.9-33.6 30%
		(33.3-33.6) QSTR + BROKEN CORE ± QTZ; STR APPEARS TO BE @ ± 35° TO C.A. BUT CONTACTS BROKEN; STR WHITE QTZ WITH ABUNDANT FRACTURES WITH GREY QTZ; GRAPHITE IN FRACTURES AND PARTINGS · 10% Sx, FINE TO MED PY + Sph + CPY; LOWER CONTACT IS 4+cm OF GRAPHITIC GOUGE; 15cm OF GOOD QTZ STR IN INTERVAL	4650	10%	33.3	33.6	0.3			0.193	1.58	33.6-34.5 50%
		(33.6-34.5) 1% DISSEM PY.	4651	1%	33.6	34.5	0.9			0.005	0.07	
34.5	80.5	LAPILLI TUFF HEMATITIC (MAROON) TO GREEN · VARIABLE CLAST SIZE AND DENSITY, BUT MOSTLY <2cm CLASTS AND MATRIX SUPPORTED; WEAKLY TO MOD. CALCAREOUS MATRIX COMMON										
		(34.5-37.0) MINOR Cc IN FRACTURES; MINOR CLAY ZONES; MOD. TO WEAK FOL^n @ ±45° TO C.A.										34.5-37.0 60%
		(37.0-39.8) CLAY/FAULT ZONE; MOD TO i-CLAY, BROKEN CORE ± ABNT CLAY ZONES; LIGHT MAROON TO BLEACHED; WHERE VISIBLE, STRONG FOL^n @ ± 45° TO C.A.; 80% RECOVERY										37.0-37.8 20%
		(39.8-41.7) MAROON; SOME WEAK CLAY; SOME WEAK FOL^n										39.8-41.7 80%
		(41.7-57.7) GREEN GREY TO LESSER RED/MAROON-GREY; WEAK TO MOD FOL^n, CLAST ELONGATION @ ±45° TO C.A. COMMON; MINOR Cc STRS; VERY MINOR CARB ± QTZ STRS WITH PY @ LOW L'S TO C.A.										41.7-57.7 90%

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-3 SHEET NO. 3 of 5

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH (DES)	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
34.5	80.5	LAPILLI TUFF (CONT.) (53.7-57.4) MOD TO DARK GREEN, CHLORITIC; Cc IN FRACTURES; ABUNDANT MICRO FRACTURES; MOD. BROKEN CORE; <2cm QTZ-CARB STRS @ LOW L'S TO C.A FROM (54.5-55.3m) (57.4-67.0) RED, MATRIX WEAK MOD. CALCAREOUS (67.0-71.1) MIXED GREEN AND RED; CLASTS MORE COMMONLY GREEN THAN MATRIX; CHL/Cc ON FRACT. (71.1-80.5) RED; MINOR CARB ± S: STRS MOSTLY @ LOW L'S TO C.A; NO APPARENT ALT^N AROUND THEM.	4652	<1%	54.5	55.3	0.8			0.024	0.07	53.7-57.4 50% 57.4-67.0 90% 67.0-71.1 80% 71.1-80.5 90%
80.5	105.5	AMYGDALOIDAL FLOWS DISTINCTIVE AMYG. UNIT WITH NUMEROUS UP TO 1cm Cc FILLED AMYG PLUS DARK RED AND LESSER GREEN <2MM PHENOS/AMGD; MATRIX CALCAREOUS + Cc PATCHES; Cc STRS: MOSTLY MAROON, MINOR GREEN; MINOR BEDDED XTL TUFF W/ BEDDING @ HIGH L'S TO C.A.; MINOR CARB±S: STRS/PATCHES (92.0-93.5) GREEN; 5cm QSTR W/ PY, MINOR CPY @ 70° TO C.A. BY 93.3m	4653	<0.5%	92.9	93.4	0.5			0.004	0.33	80.5-105.5 90%
105.5	113.7	ALTERED VOLCANICS VARIABLY ALT^D (SER±CHL±CARB±S:) VOLCS; DEFINITELY AMYG TO 5cm FAINT ZONE @ 108.8m; THEN PROBABLY UNDERLYING TUFF UNIT; SOME QSTRS W/ PY IN INTERVAL (105.5-106.7 MOD INCREASING TO L. ALT^N; CHL±SER±CARB; MOD UP TO 2cm QTZ-CARB-PY STRS @ ±50° TO C.A. (106.7-106.9) L ALT^N; IRREGULAR SHEAR; QTZ-CARB-PY FRACTURE; ABUNDANT GREEN MICA (FUCHSITE?)	4654	0.5%	105.5	106.7	1.2			0.001	0.07	105.5-113.7 80%
			4655	2%	106.7	107.2	0.5			0.008	0.08	

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: DOME

HOLE NO. D90-3 SHEET NO. 4 of 5

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au oz/ton	ASSAYS Ag oz/ton	RQD
105.5	113.7	ALTERED VOLCS (CONT.) (106.9-107.2) i-Ser ± CARB ± GREEN MICA. (107.2-108.5) WEAKLY ALT^{D}; MAROON-GREY (108.5-108.8) i-ALT^{D} SHY PLUS Scm of FAULT @ 50° to C.A. (w Si-CARB-CLAY)	4656	4%	108.5	110.0	1.5			0.001	0.02	
		(108.8-113.0) LIGHT GREY TO GREEN-GREY; MOD TO i-ALT^{D} (CARB-CHL ± Si, NO YELLOW-GREEN SERICITE; <1 TO LOCALLY 2% DISSEM PY.; CHL ± CARB IN FRACTURES	4657	1%	110.0	110.9	0.9			0.001	0.04	
		(113.0-113.5) i-CARB, CHL IN FRACT; Si FLOODING/STRS w CARB (25%); <1% FINE GRAINED PY; IRREGULAR C.A L's	4658	<1%	113.0	113.5	0.5			0.001	0.02	
		(113.5-113.7) ALT^{N} DROPS QUICKLY										
113.7	156.7	TUFF DARK GREY TO MINOR RED-GREY; XTL TUFF TO LESSER LAPILLI TUFF; MINOR Cc STRS/FRACTURE COATINGS; SAME UNIT AS IN BOTTOM OF D90-2; VERY MINOR 1cm QTZ-CARB ± PY STRS @ LOW L's TO C.A.										113.7-125.6 90%
		(125.6-126.3) GREEN, BROKEN CORE; CHL on FRACT										125.6-126.3 50%
		(136.3-155.9) ALTERED GREY-GREEN; T- TO 0.5% LOCALLY 1% FINELY DISSEM PYRITE; MINOR CARB ± Si STRS TO 148.4m										136.3-149.2 90%
		[149.2-153.6] QTZ ± CARB STRS @ VERY LOW L's TO PARALLEL C.A.; UP TO 4cm WIDE; ASSOCIATED W.R FRAGS; CHL ± CLAY ALONG CONTACTS; UP TO 30% MOD TO COARSE PY WITHIN; BROKEN CORE DUE TO CHL ± CLAY IN FRACTURES	4659	1%	149.2	150.7	1.5			0.001	0.03	90%
			4660	3%	150.7	152.2	1.5			0.012	0.05	149.2-155.6 70%
			4661	1%	152.2	153.6	1.4			0.012	0.04	
												155.6-156.7 85%

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: DOME

HOLE NO. D90-3 SHEET NO. 5 of 5

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
113.7	156.7	TUFF (CONT.) [153.6-155.9] GREEN; MINOR DISSEM PY. (155.9-156.7) DARK GREY										
	156.7	E.O.H.										

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME MT.
HOLE NO. D 90-4 LENGTH 78.3m
LOCATION EAST OF BOULDER Cr. @ 90-3 set-up
LATITUDE _____ DEPARTURE _____
ELEVATION ± 1336 AZIMUTH 020 DIP -70
STARTED JAN. 14/90 FINISHED JAN 15/90

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH
78.3	-71.4				

HOLE NO. D 90-4 SHEET NO. 1 of 3
REMARKS _____

LOGGED BY HANS SMIT

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
0	5.2	CASING										
5.2	19.8	CRYSTAL- LAPILLI TUFF; VARIES FROM XTL TUFF WITH MINOR LAPILLI TO LESSER LAPILLI TUFF; ALTERED GREY TO GREEN TO 14.6, THEN HEMATITIC (DARK RED/PURPLE) (-9.8) GREY-GREEN; ABUNDANT FELD XTLS UP TO 2MM WITH MINOR 2 1CM LAPILLI IN GREY-GREEN MATRIX; MOD S: DECREASING TO OCCASSIONAL WEAK BY 7.3M; ALSO WEAK GRAPHITE? IN FRACTURES TO 7.3M; ABOVE 7.3M FELD ARE YELLOWISH, WEAK SER-CARB ± CLAY ALT^{n} +CHL (9.8 - 13.5) INTENSE DECREASING TO WEAK S:; +CHL; GREEN; PATCHY LIGHT TO DARK; OFTEN AMYGDULITIC/CHERTY LOOKING; SELECTIVE REPLACEMENT OF BEDS @ 50° TO C.A.; OR POSSIBLY ORIGINAL (13.5 - 14.6) GREEN; WEAK TO MOD - CHL (14.6 - 19.8) DARK RED/MAROON WITH UP TO 5CM BANDS OF GREEN ALT^{n} AROUND < 2MM CARB STRS @ ± 50° TO C.A.; WEAK TO MOD FOL^{n} PARALLEL ALT^{n} BANDS; ALT^{n} BANDS INCREASE IN INTENSITY DOWN HOLE.										52-146 70%
19.8	22.7	ALT^{n}/STRINGER ZONE VARIABLY SER ± CARB ± GRAPHITE ALT^{n} VOLCS; MINOR BRIGHT GREEN MICA; PLUS NARROW SULPHIDE BEARING QZ STRS; ORIGINALLY XTL-LAP TUFF TO 21.1M, THEN LAP. TUFF (19.8 - 20.4) MOD TO INTENSE SER-CARB; MINOR <1CM QSTRS ± PY, SPH @ ±30° TO C.A.; FOL^{n} @ 50° TO C.A.	4662	L0.5%	19.8	20.4	0.6			0.005	0.06	19.8-20.4 70%

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-4 SHEET NO. 2 of 3

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
19.8	22.7	ALT± /STRS (CONT.) (20.4 - 21.1) VERY BROKEN CORE; MOSTLY DARK GREY; GRAPHITE ON FRACTURES; i - Ser-Carb- Graph 5% QSTRS, ZONE IS 5cm WIDE, REST 2cm; CONTAIN ABNT PY, Sph, Tr-CPY; MAIN STR APPEARS TO BE @ ±50° TO C.A. BUT CONT ACTS BROKEN; GRAPHITE IN STR.	4663	2%	20.4	21.1	0.7			0.223	0.58	20.4 - 21.1 0%
		(21.1 - 22.7) INTENSE Ser-Carb, minor Graph DECREASING TO WEAK Ser-Carb- Chl; TRACE PY	4664	Tr	21.1	22.7	1.6			0.001	0.05	21.1 - 22.7 70%
22.7	55.1	LAPILLI TUFF: ABUNDANT CLASTS THRU-OUT; MINOR CLASTS OF ANCY. FLOW UNIT; MIXED GREEN, MAROON AND GREEN-GREY TO 38.5 M, THEN MOSTLY MAROON TO RED; WHERE REDDISH MATRIX OFTEN CALCAREOUS; CLAST AND MATRIX SOMETIMES DIFFERENT COLOR; MINOR < 1cm CARB± Si STRS; BARREN; FOL± @ 50 TO C.A. TILL 26.0m (38.5 - 40.2) FAULT ZONE; MOD TO i - CLAY; CORE VERY SOFT, BROKEN; 80% RECOVERY; MAROON COLORED (47.8 - 48.1) GREEN, CHLORITIC, CLAY ON FRACT; FOLIATED @ 50 TO 60° TO C.A.; BROKEN CORE (48.1 - 55.1) SOME INCREASE IN <1cm CARB STRS, BUT STILL MINOR											22.7 - 38.5 80% 38.5 - 40.2 0% 40.2 - 55.5 80%
55.1	78.3	AMYGDALOIDAL FLOW / CRYSTAL TUFF DISTINCTIVE AMYGDALOIDAL FLOWS AND LESSER CRYSTAL TUFF; SOME BEDDED TUFF (2 TO 10 cm BEDS), BEDDING @ 40° TO 55° TO C.A.; HEMATITIC (MAROON/RED) TO GREEN DUE TO PERVASIVE EPID. ALT± AFTER 59.2 M; EPID ALT± IN MATRIX OF XTL TUFF AND IN PHENOS / AMYG. OF FLOWS; CALCAREOUS WHERE NO EPID; BARREN QTZ± CARB STRS w EPID. ALT±											55.5 - 78.3 90+

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-4 SHEET NO. 3 of 3

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS AU OZ/TON	ASSAYS AG OZ/TON
55.	78.3	AMYGDALOIDAL FLOWS / XTL TUFF (CONT.)									
		(61.6 - 63.2) MOD TO V - EPID ; MOD IRREGULAR S.Z CARB STRS	4665	-	61.6	63.2	1.6M			0.001	0.04
		(73.5 - 75.0) GREEN; CHL + W-SER ; IRREGULAR WEAK FOL @ LOW L'S TO C.A. ; MOD CARB STRS / CC FLOODING									
	78.3	E. O. H.									

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME MT.
HOLE NO. D90-5 LENGTH 57.0 m
LOCATION EAST OF BOULDER Cr. ± 17m E. of 89-6
LATITUDE _____ DEPARTURE _____
ELEVATION ± 1332 AZIMUTH 020 DIP -45
STARTED JAN 15/90 FINISHED JAN 15/90

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH

HOLE NO. D90-5 SHEET NO. 1 of 2
REMARKS _____

LOGGED BY HANS SMIT

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au oz/ton	ASSAYS Ag oz/ton	RQD
0	2.1	CASING										
2.1	32.6	TUFF DARK GREY-GREEN; LAPILLI TO CRYSTAL-LAPILLI; ABUNDANT FELD. (UP TO 2mm) IN CLASTS AND MATRIX; SOME REDDISH CLASTS; MINOR CARB STKS, Cc ON FRACTURES; TRACES OF DISSEM PY USUALLY ASSOC. WITH PERVASIVE Cc; MINOR EPIDOTE; MOSTLY SELECTIVE REPLACEMENT OF SOME CLASTS; EPID. DISSAPPEARS ~ 24.3 M; GENERALLY HARD, COMPETENT CORE; 20% RECOVERY TO 3.0 M; 80% RECOVERY 3.0-5.1; 100% THEREAFTER (2.1-4.5) PATCHY i- S: ALT^{n}; FIRST BROKEN BITS NAVE SOME GRAPHITE, PY, ONE 1.5cm QSTR W PY (11.5-11.8) 3cm QSTR SURROUNDED BY GREEN-GREY ALT^{n} ROCK (S:-CHL-6); STR CONTAINS PY, CPY, GAL; PLUS GRAPH. IN FRACTURES; CONTACTS @ 40° TO C.A.; 4% DISSEM PY IN W.R.	4666	1%	11.5	11.8	0.3			0.012	0.23	2.1-4.0 10% 4.0-32.6 95%
32.6	37.0	ALTERED TUFF LIGHT TO DARK GREY; PATCHY BLACK TO 34.6m; MOD TO i- CARB ± Ser ± S!; WEAK TO i- GRAPHITE (?); IN PATCHES AS PERVASIVE ALT^{n} AND IN FRACTURES; WEAK TO MOD FOL^{n} @ 30° TO 45° TO C.A.; TRACE TO 1% DISSEM PYRITE; TRACE BRIGHT GREEN MICA	4667	1%	36.0	37.0	1.0			0.001	0.05	32.6-37.0 95%

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-5 SHEET NO. 2 of 2

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS %	ASSAYS Au oz/ton	ASSAYS Ag oz/ton	RQD
37.0	37.6	QUARTZ VEIN / STR ZONE 50% QTZ +Sx; 50% i-ALT^D WALL ROCK; CONTACTS @ 45° TO C.A; CLAY GOUGE ON LOWER CONTACT (1cm) MOTTLED WHITE/GREY/BLACK DUE TO INTENSE STRINGVEINS IN GRAPHITIC ALTERED ROCK; ROUGH BANDING @ 35° to 45°; WHITE QTZ ± LATER GREY QTZ, ABUNDANT FRACTURES IN GRAPHITE; 20% Sx, PY > SPH > CPY; ROUGH BANDING PARALLEL VEINING; 10% CARBONATE; GRAPHITIC PARTINGS	4668	20%	37.0	37.6	0.6			0.424	2.48	37.0-37.6 80%
37.6	45.7	ALTERED TUFF LIGHT TO MED GREY; INTENSE DECREASING TO MOD. Si-CARB-GRAPH ± SeR; FOLIATED @ ± 40° TO C.A. TIL 39.6m; < 0.5% DECREASING TO TRACE DISSEM PY. (44.9-45.5) i- Se.-CARB-Si ALT^n AROUND A 5cm QSTR @ 50° TO C.A. BY 45.3m; STR #S WHITE QTZ ± GREY FRACTURES, ABUNDANT (15%) LIGHT SPH, MINOR PY; IRREGULAR 1cm QSTRS FOR 20cm IN FW. (45.5-45.7) ALT^n DROPS QUICKLY	4669 4670 4671	20.5% 20.5% 4%	37.6 38.6 44.9	38.6 40.1 45.5	1.0 1.5 0.6			0.001 0.002 0.023	0.02 0.02 0.12	37.6-40.1 70% 40.1-45.7 95%
45.7	57.0	LAPILLI TUFF MOSTLY HEMATITIC (RED/MAROON); ABUNDANT CLASTS TO LESSER QTZ-LAPILLI TUFF; SOME POSSIBLE BEDDING @ ± 60 TO C.A. (50.4-51.2) 5cm OF CLAY GOUGE FOLLOWED BY LIGHT, CLAY RICH, ROCK => FAULT; APPEARS TO BE @ ± 45° TO C.A. (51.2-53.1) MOSTLY GREEN; MOD < 1cm CARB STRS @ VARIOUS <'S TO C.A.											45.7-54.0 70% 54.0-57.0 90%
	57.0	E.O.H.										

LANGTRIDGES – TORONTO – 368.1166

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME MT.
HOLE NO. D90-6 LENGTH 124.1 m (407')
LOCATION E. side Boulder cr. at Forks road crossing.
LATITUDE _____ DEPARTURE _____
ELEVATION 1328.21 ± AZIMUTH 020 DIP -45
STARTED JAN 15/90 FINISHED JAN 16/90

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH
121.0	-45.5				

HOLE NO. D90-6 SHEET NO. 1 of 4
REMARKS _____
LOGGED BY HANS SMIT

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au oz/ton	ASSAYS Ag oz/ton	RQD
0	17.4	CASING										
17.4	68.0	LAPILLI TUFF HEMATITIC (MAROON TO RED); ABUNDANT, MOSTLY <4cm, CLASTS; MINOR CARB STRS <1cm @ VARIOUS <'s; OCCASSIONALLY WEAKLY TO MOD CARB CARBONOUS MATRIX (17.4 - 24.0) VERY BROKEN CORE; ABUNDANT CLAY; NO SIGNIFICANT ALT'N (28.2 - 28.5) 1cm QTZ-CARB-GRAPHITE STR @ 40° TO C.A.; CHL-SER-CARB ALT'N W.R. AROUND; QTZ-CARB STRS IN FW @ LOW < TO C.A.; TRACE PY (28.5 - 29.0) WEAK FOL'N @ ± 50° TO C.A. (29.0 - 36.3) GREEN; SEVERAL QTZ-CARB STRS UP TO 3cm WIDE @ VERY LOW <'S TO SUBPARALLEL C.A.; MOD SER ± CARB ALT'N CLOSE TO STRS; STRS CONTAIN UP TO 10% PY, MINOR CPY; TRACE TO LOCALLY 1% PY W W.R.; BROKEN CORE WITH CLAY ± CHL IN FRACT MOD. COMMON; LOWER CONTACT TO ZONE IS 10 cm OF FAULT GOUGE @ 30° TO C.A.; WEAK TO MOD FOL'N @ ±30° TO C.A. COMMON 58.1-) 4cm BARREN QTZ-CARB STR @ 80° TO C.A.; NO ALT'N (67.4-68.0) MOD CARB-SER ALT'N FOLLOWED BY 15cm QSTR @ 80° TO C.A.; STR HAS 3% SPECULAR HEMATITE PLUS MINOR PY; WHITE-GREY QTZ; CHL IN FRACTURES	4672	Tr	28.2	28.5	0.3			0.001	0.02	17.4 -24.0 20% 24.0 - 36.3 70% SF.
			4673	<1%	29.9	31.4	1.5			0.001	0.03	
			4674	1%	31.9	32.6	0.7			0.001	0.05	
			4675	<1%	33.5	34.3	0.8			0.001	0.05	
			4676	<1%	67.4	68.0	0.6			0.001	0.04	36.3 - 69.0 90+%

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-6 SHEET NO. 2 of 4

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
68.0	69.4	AMYGDALOIDAL FLOW HEMATITIC (MAROON) WITH ABUNDAND DARK RED AND GREEN PHENOS PLUS CALCITE AMYGD.; MINOR QTZ-CARB STRS										68.0-69.4 95%
69.4	70.2	ALTERED VOLC INTENSELY ALT^{D} (Ser-(CARB-S.) +Chl VOLC; QTZ-CARB FLOODING (WHITE) THRU-OUT; IRREGULAR FOZ^{n} @ MOD LS TO C.A.; Trace TO 1% DISSEM PY	4677	<1%	69.4	70.2	0.8			0.001	0.25	69.0-70.2 95%
70.2	70.5	QUARTZ VEIN (0.3m) BANDED QV @ 45° TO C.A.; WHITE + LESSER GREY QTZ; BANDS OF C-ALT^{D} W. ROCK; AND Sr RICH BANDS; PY>SPH, 4% OVERALL; <1% SPECULAR HEMATITE; PARTLY CROSS-CUT BY LATE BARREN WHITE QTZ-CARB STR; CHLORITIC PARTINGS	4678	4%	70.2	70.5	0.3			0.061	0.41	70.2-70.5 50%
70.5	71.6	ALTERED VOLC MOD DECREASING TO WEAK Ser-Chl$^{\pm}$ CARB; MOD DECREASING TO MINOR QTZ-CARB STRS; TRACE PY; MUCH LESS ALT^{D} THAN HW. OF QV.	4679	Tr	70.5	71.6	1.1			0.001	0.06	70.5-71.6 50%
71.6	90.4	AMYGDALOIDAL FLOW DISTINCTIVE FLOW UNIT; ABNT RED AND GREEN PHENOS; VARIABLE CALCITE AMYGD.; CALCAREOUS MATRIX; HEMATITIC (MAROON TO RED) (71.6-72.2) PATCHY GREEN ALT^{D} (Chl-Ser$^{\pm}$CARB)										71.6-90.4 90+%

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: DOME
HOLE NO.: D90-6
SHEET NO.: 3 of 4

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
90.4	93.3	ALTERATION /STRINGER ZONE ZONE CONTACTS @ 50 to 60° TO C.A.; STRS/FOL^{n} WITHIN @ 30° TO 45° TO C.A. i-ALTD VOLC WITH 20 % WHITE QTZ-CARB-Sx STRS; i-Ser-CARB ± S: ALTERED; INTENSE FOL^{n}, MICROFOLDED; STRS UP TO 8CM WIDE; IRREGULAR ORIENTATION; STRS CONTAIN UP TO 40 % PY >> SPH > CPY; PY MED GRAIN WIDTHS; MINOR BRIGHT GREEN MICA; PY IN W.R.										90.4-93.3 80%
		(90.4-91.9) STRONGEST ALT^{n}/STRS/FOL^{n}; SMALL AMOUNT OF GOUGE @ END OF INTERVAL	4%	4680	90.4	90.9	0.5			0.001	0.11	
			7%	4681	90.9	91.4	0.5			0.024	0.11	
			4%	4682	91.4	91.9	0.5			0.005	0.07	
		(91.9-93.3) LESS ALTERED BUT STILL QUITE INTENSE IN PLACES (MOD TO i-) WEAK CRACKLE TEXTURE w CHLORITE IN FRACT (Ser-Chl-CARB); PY DISSEM IN W.R.	2%	4683	91.9	92.6	0.7			0.005	0.04	
			2%	4684	92.6	93.3	0.7			0.004	0.05	
93.3	98.4	TUFF GREY TO GREEN; SOME LAPILLI, MOSTLY XTL TUFF; ABUNDANT FELD XTLS (≤2mm); COMPETENT CORE (93.3-95.9) MED TO DARK GREY WITH MINOR GREEN PATCHES										93.3-98.4 90%
		(95.9-98.4) GREEN; MOD CHL ± Ser; MINOR DISSEM PY; MINOR ≤ 1CM QTZ-CARB STRS @ VARYING ∠'S TO C.A.; WEAK FOL^{n} @ ± 50 to 60° TO C.A IN LAST M. OF INTERVAL; 2 TO 4 cm QSTR W 5% PY, MINOR CPY, @ 35.2m; UPPER CONTACT @ 60°, LOWER @ 40° TO C.A.	<1%	4685	95.9	96.9	1.0			0.006	0.04	
			<1%	4686	96.9	98.4	1.5			0.001	0.01	

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-6 SHEET NO. 4 of 4

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
98.4	98.9	QUARTZ VEIN (0.5m) WHITE TO GREY QTZ + LESSER CARB WITH 30% i. ALT'D (Ser-CARB-Si) W.R. W CLASTS AND PARTINGS; SOMEWHAT FRIABLE; ABUNDANT MICRO-FRACTURES; 3% PY, IN FRACTURES AND IRREGULAR NARROW BANDS @ VARIOUS L'S; CONTACTS BROKEN BUT APPEAR TO BE @ ~± 45° TO C.A.	4687	3%	98.4	98.9	0.5			0.056	0.20	98.4-98.9 70%
98.9	124.1	TUFF MOSTLY CRYSTAL, MINOR LAPILLI; FELD XTLS (2mm) COMMON THRU-OUT; DARK GREY TO RED-GREY WITH MINOR GREEN TO GREY-GREEN; MOSTLY MASSIVE LOOKING; WEAK TO OCCASIONAL MOD mm SCALE Cc STRS THRU-OUT; MINOR CARB ± Si STRS @ LOW L'S TO C.A. (98.9-99.9) GREEN; MOD Chl ± Ser ± CARB; TRACE DISSEM PY	4688	Tr	98.9	99.9	1.0			0.001	0.02	98.9-124.1 95%
	124.1	E.O.H.										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME MT.
HOLE NO. D90-7 LENGTH 136.2 m
LOCATION ±20 m ± S. of Portal frame, 1370 adit
LATITUDE _____ DEPARTURE _____
ELEVATION 1367.65 AZIMUTH 006 DIP -60°
STARTED JAN 16/90 FINISHED JAN 17/90

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH
78.3	-58.2				
136.2	-61.0				

HOLE NO. D90-7 SHEET NO. 1 of 5
REMARKS _____

LOGGED BY HANS SMIT

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Au %	ASSAYS Ag oz/ton	ASSAYS Ag oz/ton	KQD
0	2.7	CASING										
2.7	3.8	BROKEN CORE. BROKEN, GROUND CORE; MIXED DARK GREY TO GREEN TO LIGHT MAROON PLUS <5% WHITE QTZ WITH PY. VERY MIXED: POSSIBLY OVERBURDEN; 80% RECOVERY ⇒ QTZ FROM ORE DUMP??	4689	1%	2.7	3.8	1.1			0.056	0.19	2.7-3.8 0%
3.8	27.3	LAPILLI TUFF (DACITIC?) GREEN WITH GREY PATCHES (CLASTS); VERY HARD OVERALL; VARIES FROM LAPILLI TO LAP-XTL TUFF; FELD XLS COMMON; LOCAL GREY CLASTS/PATCHES ARE DISTINCTIVE ⇒ THIS UNIT CALLED DACITIC TUFF IN EARLIER DRILLING; MINOR MM WIDTH CC STRS @ VARIOUS L'S TO C.A.; RARE < 1CM QTZ STRS ≅ PY @ LOW L'S TO C.A.; UP TO 1% FINELY DISSEM PY. COMMON (19.6-20.4) SEVERAL UP TO 1CM QSTRS @ LOW L'S TO PARALLEL C.A; MINOR PY IN STRS; PY IN W.R.; CORE SOMEWHAT GREYER; CLAY ON FRACTURE @ 40° TO C.A @ LOWER END OF INTERVAL SAMPLES FOR WHOLE ROCK TAKEN AT: 8.2m) ABUNDANT GREY CLASTS = ANDESITE* 17.3m) NO GREY CLASTS = BASALTIC TRACHY-ANDESITE* * Plotted on total alkali against silica (TAS) diagram - A. Lee.	4690	2%	19.6	20.4	0.8			0.025	0.01	3.8-6.7 70% 6.7-27.3 90+%

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: DOME

HOLE NO. D90-7 SHEET NO. 2 of 5

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au oz/ton	ASSAYS Ag oz/ton	RQD
27.3	33.9	AMYGDALOIDAL FLOW MED TO DARK GREEN-GREY; WEAK TO MOD ABUNDANCE OF CALCITE AMYG. UP TO 0.5cm; DARK GREEN CHLORITIC PHENOS (UP TO 2mm) COMMON; CALCAREOUS; UPPER CONTACT INDISTINCT BUT IS NOT STRUCTURAL (32.6-33.9) WEAK INCREASING TO MOD Ser ± CARB ± GREEN MICA; Tr-PY	4691	Tr	32.6	33.9	1.3			0.002	0.06	27.3-33.9 90%
33.9	34.7	QUARTZ VEIN (0.8m) WHITE QTZ WITH ABUNDANT SX, ESPECIALLY IN UPPER HALF; PY, SPL > CPY > GAL; SX IN FRACTURES AND IRREGULAR BANDS; LOWER 0.3m HAS ABUNDANT W.R. FRAGS; UPPER VEIN CONTACT @ 45° TO C.A.; LOWER IRREGULAR @ 15° TO 45° TO C.A.; STYLOLITES ∓ PY WITHIN; PY FINE GRAIN; SPH FINE GRAIN, LIGHT BROWN	4692 4693	20% 5%	33.9 34.3	34.3 34.7	0.4 0.4			0.419 0.252	4.39 0.54	33.7-34.7 90%
34.7	84.4	AMYGDALOIDAL FLOWS GREEN GRY TO RED/MAROON-GREY; VARIABLE Cc FILLED AMYGD: RED, DARK GREEN/BLACK AND LIGHTER GREEN (EPID?) PHENOS UBIQUITOUS; MOD. TO VERY CALCAREOUS; MINOR PATCHY PERVASIVE EPIDOTE; MINOR < 2cm QTZ-CARB-CHL-PY STRS @ LOW L's TO C.A. (34.7-35.2) MOD PERVASIVE CHL ± Ser; NO PY	4694	—	34.7	35.2	0.5			0.008	0.06	34.7-84.4 90%
		(39.4-40.0) PERVASIVE EPID-Si-Cc FLOODING	4695	-	39.4	40.0	0.6			0.001	0.06	
		(54.8-55.3) 2 to 3cm QTZ-CARB CHL STR @ 20° TO C.A.; 5% SPH > PY WITHIN; WALLROCK CHLORITIC	4696	1%	54.8	55.3	0.5			0.011	0.07	
		(60.4-64.4) BEDDED TUFF; BEDDING @ 50° TO C.A.										
		(64.2-65.2) PERVASIVE EPIDOTE; BARREN QTZ-CARB STRS @ 30° TO 40° TO C.A; LESS THAN 3cm WIDE	4697	1%	83.0	83.9	0.9			0.001	0.06	
		(83.6-84.4) WEAK INCREASING TO ~ Ser ± CHL ± CARB ALT°; QTZ-CARB STRS; ESH IN LAST 50cm QUARTZOUS L's TO C.A & ~ PY, SPH = Tr-CAL; LIGHT TO MOD. GREEN	4698	2%	83.9	84.4	0.5			0.056	0.18	

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-7 SHEET NO. 3 of 5

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
84.4	85.2	QUARTZ VEIN (0.8m) WHITE + LESSER GREY QTZ + ABUNDANT Sx; CONTACTS @ 75° TO C.A.; L-ALT^{n} W.R/SOR. IN PARTINGS IN HW: FW SECTIONS OF VEIN; ABUNDANT FRACTURES THROUGHOUT; 20% Sx, Py > Sph > Cpy >> GAL; Sx IN FRACTURES AND PATCHES THROUGH-OUT	4699	20%	84.4	84.8	0.4			0.920	6.30	84.4-85.2 70% } 0.8m.
			4700	20%	84.8	85.2	0.4			1.518	3.73	
85.2	94.8	AMYGDALOIDAL FLOWS GREEN TO 87.2, THEN MAROON; MINOR CALCITE AMYG, ABUNDANT RED; GREEN PHENOS; WEAKLY CALCAREOUS OVERALL; MINOR CARB STKS (85.2-87.2) GREEN: INTENSE Ser-Chl ± CARB ± S: DECREASING TO MOD ALT^{n}; ABNT QTZ STKS UP TO 4cm TO 85.8m, THEN MINOR STKS, MOSTLY @ ± 75° TO C.A.; STKS CONTAIN Py ± Sph	4701	5%	85.2	85.8	0.6			0.082	0.24	85.1-94.8 90%
			4702	1%	85.8	87.2	1.4			0.006	0.12	
94.8	99.1	BEDDED TUFF WELL BEDDED MAROON TO RED CRYSTAL TUFF; 4 cm TO 40 cm BEDS; BEDDING @ 50° TO C.A.; CALCAREOUS MATRIX; MINOR CARB IN STKS										94.8-99.1 90%
99.1	106.7	TUFF MIXED FINE XTL TUFF AND LESSER XTL-LAPILLI, SOME APPEARS BEDDED BUT ORIGINAL STRUCTURE LARGELY MASKED BY ALT^{n} AND IRREGULAR DEFORMATION; HEMATITIC (RED TO MAROON); MOD IRREGULAR CARB PATCHES/STKS; LAST 1.3m APPEARS TO BE A FLOW UNIT BUT MAY BE CRYSTAL TUFF										99.1-106.7 90%

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-7 SHEET NO. 4 of 5

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au oz/ton	ASSAYS Ag oz/ton	RQD	
106.7	113.5	ALTERED VOLCANICS VARIABLY ALT^{D} LIGHT TO MED GREEN VOLCANICS; MOST APPEARS TO BE ALT^{D} ANDES. UNIT, SOME POSSIBLE TUFF; STRUCTURE (STRS, FOL^{N}) @ VARIOUS L'S TO C.A.										106.7-113.5	
		(106.7-109.6) MOD TO MOSTLY INTENSE Ser ± CARB ± Ch ± Si; VERY MOTTLED (PATCHY GREEN TO GREY); ABUNDANT IRREGULAR CARB ± Si: FLOODING; SEVERAL UP TO 6cm, MOSTLY <2cm QSTKS W PY, Sph, CPY MOSTLY @ 50 TO 60° TO C.A.; MINOR BRIGHT GREEN MICA	4703	4%	106.7	107.7	1.0			0.041	0.11	70%	
			4704	1%	107.7	108.7	1.0			0.076	0.40		
			4705	1%	108.7	109.6	0.9			0.002	0.07		
		(109.6-111.9) WEAKLY ALT^{D} (Ch ± Ser) CARB IN ABUNDANT MICRO FRACTURES; MINOR MAROON											
		(111.9-113.5) INTENSELY ALT^{D} (Ser ± Ch ± CARB ± Si); BRIGHT GREEN MICA COMMON; BANDS/STK OF QTZ-CARB Sx COMMON; MOSTLY @ LOW L'S TO C.A., ESPECIALLY FOR LAST 60cm (30% QTZ); Sx ARE PY > Sph, Tr CPY, GAL	4706	2%	111.9	112.9	1.0			0.050	0.30		
			4707	5%	112.9	113.5	0.6			0.085	0.99		
113.5	115.2	QUARTZ VEIN (1.7m) WHITE QTZ, MINOR CARB; CONTACTS @ 35° (UPPER) AND 55° (LOWER) TO C.A.; FRACTURES, MINOR STYLOLITES WITH PY ± Ser ± Ch; 5% PY (LOCALLY TO 25%), <1% Sph, GAL, MINOR CPY; Sx IN FRACTURES AND PATCHES PLUS MINOR DISSEM; ABUNDANT PY AROUND 114.5m AND @ HW CONTACT	4708	3%	113.5	114.1	0.6			0.090	0.36	113.5-115.2	1.7m @ 0.197
			4709	7%	114.1	114.7	0.6			0.293	0.86		
			4710	5%	114.7	115.2	0.5			0.211	0.53	60%	
115.2	124.6	SHEARED VOLCANICS MAROON TO MINOR GREEN; MIXED TUFF AND FLOW; STRONG SHEARING @ 50° TO 60° TO C.A. ESP IN TUFF UNITS; ELONGATED CLASTS; MOD TO WEAK FOL^{N}; ABUNDANT CARB STKS AND PATCHES; ZONES OF LOCAL IRREGULAR DEFORMATION (115.2-115.5) LOCAL ALT^{D} (Ser-Ch-CARB-Si) ABUNDANT QTZ-CARB PATCHES; INTENSE IRREGULAR, FOLDED, FOL^{N} =	4711	1%	115.2	115.5	0.3			0.004	0.05	115.2-124.6 90%	

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: DOME
HOLE NO.: D90-7
SHEET NO.: 5 of 5

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	% SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	TOTAL	%	%	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
115.2	124.6	SHEARED VOLCANICS (CONT.) (120.2-120.5) 3cm QSTR @ 70° TO C.A. PLUS i-ALT^{N} (Ser-CARB-Si) WALL ROCK; 15% PY IN STR, MINOR IN W.R.	4712	2%	120.2	120.5	0.3			0.012	0.07	
124.6	127.4	ALTERED VOLCANICS GREEN; INTENSELY DEFORMED @ 50° TO 60° TO C.A.; MOD TO i-±Ser ±Chl ± CARB ± Si; IRREGULAR ±Si ± CARB PATCHES/STRS COMMON @ VARIOUS ∠'S TO C.A.; MINOR PY WITH i-Ser ALT^{N}; ORIGINAL ROCK FLOW, THEN TUFF (125.0-125.3) BROKEN CORE; CLAY, CHL. ON FRACTURE	4713	<0.5%	124.6	125.6	1.0			0.002	0.06	124.6-125.0 90%
			4714	<0.5%	125.6	126.6	1.0			0.001	0.07	125.0-125.3 0%
			4715	<0.5%	126.6	127.4	0.8			0.001	0.06	125.3-127.4 95%
127.4	132.5	LAPILLI TUFF HEMATITIC (MAROON/RED) ABUNDANT, MOSTLY <2cm, CLASTS; STRONG DECREASING TO MOD CLAST ELONGATION @ 50° TO 60° TO C.A.; MINOR CARBONATE IN FRACTURES										127.4-132.5 95%
132.5	136.2	CRYSTAL TUFF MASSIVE FINE GRAINED CRYSTAL TUFF; HEMATITIC (MAROON/RED); UP TO 3cm CARB STRS @ VARIOUS ∠'S TO C.A. COMMON; NO ALT^{N} AROUND THEM (135.8-136.2) ALT^{N}; BROWN/GREEN; i-Ser-CARB±Si; ABUNDANT CARB±Si STRS/FLOODING; NO VISIBLE Sx	4716	—	135.8	136.2	0.4			0.001	0.11	132.5-136.2 90%
	136.2	E.O.H.										

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME MT.
HOLE NO. D90-8 LENGTH 185.0 M
LOCATION BOULDER (BY PORTAL) - at 90-7 setup
LATITUDE _____ DEPARTURE _____
ELEVATION 1367.55 AZIMUTH 006 DIP -70°
STARTED JAN 17/90 FINISHED JAN 19/90

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH
81.4	-69.0				
144.8	-68.0				
185.0	-72.0				

HOLE NO. D90-8 SHEET NO. 1 of 6
REMARKS _____
LOGGED BY HANS SMIT

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	ASSAYS RQD
0	3.0	CASING										
3.0	25.6	LAPILLI TUFF (DACITIC?) MED TO DARK GREEN WITH MINOR DISTINCTIVE GREY CLASTS; CLASTS UP TO 10 cm; HARD COMPETENT CORE; MINOR Cc IN FRACTURES; <1% VERY FINE GRAIN PY COMMON; 1/cm Si-CARB STKS ∥ PY RARE @ LOW ∠S TO C.A.; CALLED DACITIC TUFF IN OLD DRILLING (3.0-3.5) BROKEN GROUND CORE; MINOR QTZ ∥ PY BUT NO ALTN ⇒ ASSUMED TO BE OVERBURDEN AS DRILLING THROUGH OLD ORE PILE (23.5-23.8) 2cm Si-CARB STK ∥ MINOR PY @ 30° TO C.A; ONLY MINOR ALTN ENVELOPE										3.0-25.6 90%
25.6	74.6	AMYGDALOIDAL FLOWS MOSTLY GREEN TO GREEN-GREY TO 54m, THEN MOSTLY MAROON TO MAROON-GREY; VARIABLE AMOUNTS of Cc FILLED AMYGD.; ABUND. DARK GREEN, CHLORITE PHENOS, RED PHENOS ALSO IN MAROON VOLCS; PATCHY EPID ALTN, EPID-CARB ± Si IN ATTACT VOLCS AND STKS (MINOR OVERPRINT); CALCAREOUS; Cc IN FRACTURES, MINOR STKS AND AMYGD.; GREEN AREAS HAVE MINOR FINELY DISSEM PYRITE (35.1-36.1) SEVERAL Si-EPID ± CARB STKS UP TO 4cm WIDE @ 30° TO 40° TO C.A; TRACE PY IN W.ROCK (43.4-44.9) >2cm QTZ-CARB-CHL STK SUBPARALLEL C.A FOLLOWED BY 2 QTZ-CARB STKS @ 20° TO C.A WITH MINOR PY; CORE BROKEN @ END OF INTERVAL (74.4-74.6) GREEN; CHL ± Ser?	4717	Tr	35.1	36.1	1.0			0.002	0.06	
			4718	0.5%	43.4	44.9	1.5			0.001	0.06	25.6-74.6 90+%

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-8 SHEET NO. 2 of 6

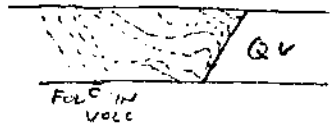
METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
74.6	74.9	QUARTZ STRINGER 0.2m STR @ UPPER CONTACT @ 65° TO C.A.; LOWER @ 45°, FOLLOWED BY A LOW ∠ OFF-SHOOT @ ±20° TO C.A. FOR 10cm; 15% Sx IN VEIN, PY > Sph >> GAL; Sx IN PATCHES THROUGHOUT CHLORITE ON HW & FW; MINOR CHL IN STR.; CHL-SER ALT² AMYG. IN FW OF OFFSHOOT	4719	15%	74.6	74.9	0.3			0.035	0.53	74.6 74.9 70%
74.9	117.8	AMYGDALOIDAL FLOWS -AS BEFORE; MOSTLY MAROON TO MAROON-GREY WITH EPIDOTE (GREEN) PATCHES AND WEAK PERVASIVE ALT² FAIRLY COMMON; CALCAREOUS; CC IN STRS/FRACTURES AND AMG; MINOR TO RARE QTZ-EPID-CARB STRS W EPID ALT² (74.9-75.3) GREEN; m- CHL±Ser; LOW ∠ CHL QTZ-CARB STR (79.1m) 5cm CARB STR @ 20° TO C.A.; CHL HALOS HW & FW 82.9m) 20. cm of BEDDED TUFF; BEDDING @ US° TO C.A.; (89.9-90.9) PERVASIVE EPID ALT²; SEVERAL Si± CARB STRS @ 30° TO 40° TO C.A (22cm); NO VISIBLE Sx (96.6-111.9) WEAK TO MOD EPID ± CHL ALT² THROUGHOUT; MINOR (2cm) Si± CARB ± CHL ± EPID STRS @ MOD TO LOW ∠'S TO C.A.; BARREN (111.9-117.8) WEAK PERVASIVE EPID.	4720	<.05%	74.9	75.3	0.4			0.001	0.12	74.9 117.8 90%
			4721	-	89.9	90.9	1.0			0.001	0.05	
117.8	132.7	BEDDED TUFF WELL BEDDED MAROON TO RED TUFF; SOME GREEN ALT² ZONES; BEDDING @ ± 45° TO C.A.; BDS Chm TO 5cm WIDE; MATRIX VARIABLY CALCAREOUS; MINOR, INCREASING TO MOD CARB ± Si STRS @ VARIOUS ∠'S TO C.A.; STRATIGRAPHIC CONTACT WITH UNDERLYING FLOWS (119.5-120.6) GREEN; CHL, W-Ser ALT² (122.4-126.3) PATCHY GREEN ALT²										117.8-132.7 90%

LANGRIDGES — TORONTO — 306-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D 90-8 SHEET NO. 3 of 6

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
117.8	132.7	BEDDED TUFF (CONT'D) (126.3 - 129.0) GREEN; CHL ALT^{n}; CARB - QTZ STKS @ VERY LOW L'S TO C.A.; 20 cm of ĉ - S: - CARB - CHL FLOODING / STK @ 40° TO C.A @ END OF INTERVAL; NARROW SHEAR ZONES @ VARIOUS L'S TO C.A.; BEDDING INDISTINCT (129.0 - 132.7) MAROON/RED; MINOR QTZ-CARB STKS; BEDDING HARD TO SEE	4722	Tr	127.5	129.0	1.5			0.001	0.06	
132.7	140.6	ALTERED VOLCANICS LIGHT TO MED GREEN; MINOR MAROON; MOD TO ĉ - Ser - Chl ± CARB ± S: ; UP TO 4cm QTZ - CARB ± CHL - Sx STKS @ LOW TO MOD L'S TO C.A. THROUGHOUT (~2/METER); STKS SHOW FOLDING / FOL^{n}; WEAK TO MOD FOL^{n} IN VOLCS @ 40° TO 60° TO C.A.; THE LAST 0.9m HAS NO CHL BUT VERY INTENSE Ser - S: - CARB + BRIGHT GREEN MICA; FOL^{n} @ 45° TO C.A BUT @ HIGH L'S TO UNDERLYING QUARTZ VEIN; PY DISSEM IN VOLC (UP TO 1%)  	4723	2%	132.7	133.7	1.0			0.024	0.24	132.7 - 140.6 80 TO 90%
			4724	3%	133.7	134.7	1.0			0.071	0.58	
			4725	1%	134.7	135.7	1.0			0.006	0.23	
			4726	2%	135.7	136.7	1.0			0.006	0.12	
			4727	1%	136.7	137.7	1.0			0.004	0.02	
			4728	2%	137.7	138.7	1.0			0.006	0.06	
			4729	1%	138.7	139.7	1.0			0.001	0.06	
			4730	3%	139.7	140.6	0.9			0.006	0.12	
140.6	141.3	QUARTZ VEIN (0.7m) WHITE AND GREY QTZ WITH ABUNDANT Sx; UPPER CONTACT @ 45° TO C.A; LOWER @ 75°; 20% Sx, PY > CPY > Sph; Sx MOSTLY FINE GRAIN TO MED GRAIN; IN STKS AND BANDS THROUGHOUT, THOUGH Sph MOST COMMON IN LOWER HALF; Sph IS LIGHT GREY IN COLOR; 5% ĉ - ALT^{d} W.R. FRAGS; UPPER CONTACT IS A SLIP, LOWER IS A FAULT GOUGE ZONE	4731	20%	140.6	141.3	0.7			1.053	4.11	140.6 - 141.3 90%

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-8 SHEET NO. 4 of 6

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
141.3	154.7	LAPILLI TUFF HEMATITIC (MAROON); ABUNDANT CLASTS, MOSTLY 1-4CM; MOSTLY CLAST SUPPORTED; MINOR IRREGULAR 1CM CARB STRS; SOMEWHAT PALE COLORED THRU-OUT ⇒ PERHAPS WEAK ALT° (141.3-142.0) 10 CM OF i-CLAY / GOUGE FOLLOWED BY i-Ser-Chl-CARB ALT° ROCK, ALT° DROPS QUICKLY TO WEAK (150.7-154.7) MOSTLY FINER GRAINED TO VFL TUFF; MOD TO STRONG FOL° @ ± 50° TO C.A.; 2 TO 4% IRREGULAR CARB PATCHES, MM SCALE STRS.	4732	Tr	141.3	142.0	0.7			0.012	0.10	141.3-154.7 90%
154.7	155.8	ALTERED VOLCANICS / QSTR MOD TO i-Ser ± CARB ± S: ±Chl, CENTERED ON A 6cm QSTR @ 45° TO C.A BY 155.1m; 10% PY > Sph >> CPY; FOL° // AXIAL QSTR	4733	1%	154.7	155.8	1.1			0.004	0.06	154.7-155.8 80%
155.8	160.7	LAPILLI TUFF ABUNDANT CLASTS; MAROON WITH BLEACHED ALT° AREAS; IRREGULAR FOL° / CLAST ALIGNMENT @ 45° TO 60° TO C.A.; CARB IN STRS, FRACTURES (156.9-157.9) PATCHY MOD TO i-Ser-CARB ± Chl; STRONG FOL° @ 45° TO C.A @ LOWER END OF INTERVAL (157.9-160.7) PATCHES OF WEAK ALT°	4734	Tr	156.9	157.9	1.0			0.006	0.07	155.8-160.7 90%
160.7	163.9	ALTERED VOLCANICS WEAK INCREASING TO MOD Ser-CARB-Chl; 5% IRREGULAR CARB ± S: STRS / PATCHES; TRACE TO LOCALLY 1% PY FINELY DISSEM.; LAPILLI STILL FAINTLY VISIBLE	4735	Tr	160.7	162.0	1.3			0.002	0.01	160.7-163.9
			4736	<0.5%	162.0	163.3	1.3			0.001	0.01	
			4737	1%	163.3	163.9	0.6			0.006	0.01	90%

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-8 SHEET NO. 5 of 6

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
163.9	164.3	QUARTZ VEIN (0.4m) WHITE QTZ; 5% PY, MINOR Sph, Cpy, MOSTLY IN UPPER PART OF VEIN; SERIC W MINOR PARTINGS; WEAKLY FRACTURED W PY IN FRACTURES; CONTACTS @ 60° TO 70° TO C.A; MINOR CARB.	4738	5%	163.9	164.3	0.4			0.100	0.43	163.9-164.3 90%
164.3	168.1	ALTERED VOLCANICS / QTZ STR ZONE INTENSELY ALT^D; i- CARB-Ser ± Chl; INTENSELY DEFORMED FOL^{N}, MICRO-FOLDED; @ VARIOUS L'S TO C.A, BECOMING COMMONLY @ HIGH L'S BY LOWER END OF INTERVAL										164.3-169.1
		(164.3-165.2) 25% QTZ-CARB PATCHES AND IRREGULAR STRINGERS; 5% MED GRAINED PY	4739	5%	164.3	165.2	0.9			0.834	0.13	80%
		(165.2-168.1) 10 TO 20% QTZ-CARB PATCHES AND STRS UP TO 5CM WIDE; AMOUNT OF STRS DECREASE AROUND 166.7M; 5% DECREASING TO 1% PY IN STRS AND WALL ROCK	4740	5%	165.2	165.9	0.7			0.038	0.06	
			4741	5%	165.9	166.6	0.7			0.018	0.06	
			4742	3%	166.6	167.3	0.7			0.018	0.05	
			4743	1%	167.3	168.1	0.8			0.011	0.05	
168.1	185.0	VOLCANIC TUFF DARK GREY TO RED-GREY WITH GREEN ALT^D ZONES; MOSTLY FINE GRAINED CRYSTAL TUFF WITH 1MM FELD XTLS; RARE LAPILLI; MINOR TO OCCASSIONALLY MOD MM WIDTH Cc STRS / FRACTURE COATINGS;										
		(175.9-178.6) GREEN, Chl ± w-Ser; CARB FLOODING										
		176.9-177.1M: QTZ-CARB STRS WITH PY @ LOW L'S TO C.A FROM 177.6-178.5M; MINOR Cpy ALSO IN STRS	4744	1%	177.6	178.5	0.9			0.001	0.01	
		(178.6-182.2) PATCHY GREEN ALT^N; 4cm OF CLAY, 10 CM OF SHEAR @ MOD L'S TO C.A BY 181.1M										

LANGRIDGES -- TORONTO -- 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-8 SHEET NO. 6 of 6

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	% SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON
168.1	185.0	VOLCANIC TUFF (cont'd)									
		(182.9-183.8) GREEN; Chl, w-Ser ALT'D; 7cm CARB-S. STR @ 50° to C.A. BY 183.2m; STR HAS 20% w.r. HEMS, 5% Py, minor cPy	4745	2%	183.1	183.6	0.5			0.012	0.05
	185.0	E.O.H.									

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: DOME MT.
HOLE NO.: D90-9 LENGTH: 108.8 m
LOCATION: BOULDER (EAST OF T-51) - 1370 portal area
LATITUDE: _____ DEPARTURE: _____
ELEVATION: 1366.81 AZIMUTH: 025° DIP: -45
STARTED: JAN 19/90 FINISHED: JAN 20/90

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH
108.8	-49.0				

HOLE NO. D90-9 SHEET NO. 1 of 4
REMARKS: _____
LOGGED BY: HANS SMIT

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au oz/ton	ASSAYS Ag oz/ton	RQD
0	18.3	CASING										
18.3	39.2	VOLCANIC TUFF/SEDIMENT MED GREY TO GREY-GREEN; VARIES IN APPEARANCE FROM A FOLIATED CRYSTAL TUFF TO A WEAKLY GRAPHITIC SEDIMENT WITH MOSTLY < 0.5cm CLASTS; MINOR LAPILLI TUFF LOOKING ZONES ⇒ PROBABLY A SEDIMENTARY UNIT WITH ABUNDANT TUFF INPUT; GREY CLASTS/PATCHES THAT ARE VERY HARD COMMON IN LOWER PART OF UNIT (LIKE DACITIC? TUFF OF EARLIER DRILLING; OCCASSIONALLY CALCAREOUS MATRIX. MINOR < 0.5cm WIDE CC STRS; FOLIATED (MOD TO STRONG) @ LOW TO MOD L's TO C.A TO ABOUT 32 m; MINOR <2 cm QTZ-CARB STRS, LOCALLY MORE ABUNDANT (28.4 - 33.7) ABUNDANT WHITE QTZ ± CARB ± CHL STRS UP TO 5cm WIDE AT VARIOUS L's TO C.A.; CORE IS BLOCKY, HIGHLY BROKEN FROM 32.7-33.7m; W.R. TO STRS OFTEN SILICIFIED; TRACES DISSEM PY IN STRS AND W.R. (33.7 - 38.4) GREENER WITH PATCHY GREY SILICIFIED ZONES/PATCHES; BROKEN CORE TO 34.6 m (38.4 - 39.2) GREY, i · CARB - S: ALT^{n}; SERIC. FOR LAST 10 cm; MINOR DISSEM PY.; LOWER CONTACT IS 2 to 3 cm OF BRXY ± QTZ-CARB STRS @ HIGH L TO C.A.; SOMEWHAT IRREGULAR	4746	Tr	28.4	29.9	1.5			0.004	0.01	18.3 - 32.0 80%
			4747	Tr	29.9	31.4	1.5			0.001	0.01	32.0 - 34.6 50%
			4748	Tr	31.4	32.7	1.3			0.001	0.01	34.6 - 39.2 80%
			4749	Tr	32.7	33.7	1.0			0.001	0.01	
			4750	10.5%	38.4	39.2	0.8			0.001	0.01	

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-9 SHEET NO. 2 of 4

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
39.2	41.7	ALTERED AMYGDALOIDAL FLOW INTENSE Ser-CARB± S; ABUNDANT BRIGHT GREEN MICA; MINOR BLACK IN FRACTURES (GRAPHITE?); MINOR <1cm QTZ-CARB STRS @ VARIOUS L'S TO C.A.; 1-2% DISSEM. PY	4751	1%	39.2	40.7	1.5			0.001	0.06	39.2-41.7 90%
			4752	2%	40.7	41.7	1.0			0.004	0.13	
41.7	42.1	QUARTZ VEIN (0.4m) WHITE QTZ WITH ABUNDANT Sx AND 20% i-ALT'D WALL ROCK; MINOR GRAPHITE IN FRACTURES; 25% Sx; PY > SPH >> GAL, CPY - FAST 10cm HAS MOST OF THE GAL! CPY, MUCH OF THE SPH UPPER CONTACT IRREGULAR @ FAIRLY HIGH L'S TO C.A.; LOWER CONTACT IS A SLIP @ 20° TO C.A.	4753	25%	41.7	42.1	0.4			0.300	4.87	41.7-42.1 80%
42.1	49.7	ALTERED AMYGDALOIDAL FLOW i-ALTERED DECREASING TO MOD ALT'D; Ser-CARB ± S; ± CARB GREEN MICA; MOD QSTRS, UP TO 6cm WIDE, MOSTLY @ 60-75° TO C.A.; SOME CONTAIN PY, SPH, GAL, CPY; MAIN STRS @ 44.8m, 46.3m 47.8m, 48.9m ALT'N INTENSE AROUND STRS (47.0-47.9) BROKEN CORE; i-ALT'D AMPD PLUS QTZ RUBBLE; CORE LOSS (50% RECOVERY)	4754	1%	42.1	43.1	1.0			0.006	0.12	42.1-47.0 80%
			4755	1%	43.1	44.2	1.1			0.003	0.05	
			4756	2%	44.2	45.3	1.1			0.002	0.03	47.0-47.9 0%
			4757	2%	45.3	46.4	1.1			0.006	0.06	
			4758	1%	46.4	47.5	1.1			0.007	0.06	47.9-49.7 90%
			4759	2%	47.5	48.6	1.1			0.002	0.06	
			4760	2%	48.6	49.7	1.1			0.006	0.07	
49.7	72.7	AMYGDALOIDAL FLOWS GREEN/GREEN GREY TO LESSER RED-GREY; ABUNDANT DARK GREEN PHENOS, RED PHENOS IN REDDER PARTS; MINOR Cc FILLED AMGDS; Cc IN PATCHES, STRS, FRACTURE-COATINGS; OCCASSIONAL WEAK PERVASIVE EPID ALT'N; MINOR SHID-± STRC (± CARB)										49.7-72.7 90%

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-9 SHEET NO. 3 of 4

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au oz/ton	ASSAYS Ag oz/ton	RQD
49.7	72.7	AMYGDALOIDAL FLOWS (CONT'D) (68.1-68.2) SHEAR @ ± 30° TO C.A.; ABUNDANT CHL, Cc STRS; BROKEN CORE; WEAK Ser ± CARB ALT° AROUND THE SHEAR. (71.6 - 72.7) WEAK PERVASIVE Ser-CARB ALT°; CORE SOMEWHAT BROKEN										
72.7	75.0	ALTERED AMYGDALOIDAL FLOW MOD INCREASING TO INTENSE Ser-CARB-S.; ABUNDANT S. ± CARB PATCHES/STRS; WEAK (CRENULATION) FOL, MOST COMMONLY @ ± 60 TO 70° TO C.A.; BUT SOMETIMES @ LOWER L's; 1% DISSEM PY; MINOR PY ± Sph ± CPY WITH QSTRS (< 1cm WIDE)	4761 4762	1% 2%	72.7 74.0	74.0 75.0	1.3 1.0			0.003 0.041	0.04 0.04	72.7 - 75.0 70%
75.0	75.2	QUARTZ VEIN (0.2 m) WHITE + GREY QTZ WITH 40% Sx; PY > Sph > CPY >> GAL - CONT ACTS IRREGULAR @ HIGH L's TO C.A.; Sx INTERGROWN, MOSTLY FINE GRAIN (SOME MOD GRAIN PY); CONCENTRATED IN UPPER 2/3 OF VEIN; Sph GREY/BROWN	4763	40%	75.0	75.2	0.2			1.664	3.70	75.0 - 75.2 80%
75.2	76.5	ALTERED VOLCANICS / FAULT ZONE BROKEN ± ALT° VOLCANICS FOLLOWED BY MOD ALT° VOLS; Ser-CARB ± K IN BROKEN ZONE (75.2 - 75.6) BROKEN CORE; ABUNDANT CLAY ON FRACTURES; MINOR CORE LOSS; 1% DISSEM PY (75.6 - 76.5) ALT°; WEAK IRREGULAR FOL°; MINOR QSTRS; 1% DISSEM PY	4764	1%	75.2	76.5	1.3			0.013	0.11	75.2 - 75.6 0% 75.6 - 76.5 70%

LANGRIDGES — TORONTO — 366-1166

DIAMOND DRILL RECORD

NAME OF PROPERTY: DOME

HOLE NO. D90-9 SHEET NO. 4 of 4

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au oz/ton	ASSAYS Ag oz/ton	RQD
76.5	108.8	LAPILLI TUFF ABUNDANT CLASTS, MOSTLY <4cm, MINOR >10cm CLASTS, ZONES OF VOLCANIC BRECCIA; WEAK TO MOD <1cm CARB ± MINOR S: STKS, MOSTLY @ HIGH CA TO C.A, BUT @ OTHER CA'S AS WELL: VARIABLE GREEN TO MAROON-GREY (76.5-83.3) PATCHY WEAK ALTC; (SR, ± CARB): LIGHTER COLORED; 10cm CARB-S: STK @ PY @ 30° TO C.A BY 82.6M (87.3-87.8) BROKEN CORE; RUBBLE; APPEARS TO BE A FAULT ZONE @ ± 20° TO C.A.; MINOR DISSEM PY; MINOR CORE LOSS. (107.8-108.8) 1'- CLAY @ ± 15° TO 20° TO C.A.	4765	2%	82.3	82.7	0.4			0.001	0.05	76.5-87.3 80 TO 90 % 87.3-87.8 0% 87.8-107.8 80 TO 90 % 107.8-108.8 60%
	108.8	E.O.H.										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME MT.
HOLE NO. D90-10 LENGTH 106.7m (350')
LOCATION BOULDER; 1370 Alt a.a. 90-9 setup
LATITUDE _____ DEPARTURE _____
ELEVATION 1366.85 AZIMUTH 025° DIP -60°
STARTED JAN 20/90 FINISHED JAN 21/90

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH

HOLE NO. D90-10 SHEET NO. 1 of 3
REMARKS _____

LOGGED BY HANS SMIT

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
0	15.2	CASING										
15.2	42.0	VOLCANIC TUFF/SEDIMENTS GREY-GREEN TO GREEN; MOSTLY APPEARS TO BE A SEDIMENTARY UNIT WITH 1cm CLASTS IN A FINE GRAINED GREEN TO GREY MATRIX; HOWEVER BEDDING IS INDISTINCT AND THERE ARE SOME INTERLUMS OF LAPILLI TUFF WITH UP TO 4 cm CLASTS; BEDDING APPEARS TO BE @ ± 45°, 060° TO C.A.; THOUGH OTHER C's ALSO OBSERVED; GREY CLASTS AND PATCHY GREY SILICIC ZONES MOD. COMMON; MINOR CARB IN FRACTURES AND 1-1cm WIDE STKS; MINOR DISSEM PY COMMON; CORE SOMEWHAT BLOCKY IN PLACES; MINOR ZONES UP TO 30cm OF Ser ± CLAY ± CARB ALT ± (40.7-40.9) BLACK, GRAPHITIC; UPPER CONTACT A SLIP @ 30° TO C.A.; LOWER CONTACT IS @ 45° TO C.A. ⇒ POSSIBLY A BEDDING CONTACT; UNKNOWN IF ORIGINAL GRAPH OR ALT ±; GRAPHITE IN FRACTURES FROM 40.9 TO 41.4m (41.4-42.0) BUFF COLORED; i- Ser-CARB ALT ±; GRAPHITE IN FRACT, MINOR DISSEM PY FOR LAST 20cm.	4766	10.5%	41.4	42.0	0.6			0.004	0.02	15.2-42.0 70%
42.0	42.2	QUARTZ VEIN (0.2m) WHITE QTZ PLUS 20% Sx, PY > Sph; PY MED. GRAIN; Sph is GRAY TO LIGHT BROWN; Sx IN A 3cm NEAR THE H/W AND IN PATCHES AND FRACTURES LOWER; VERY BROKEN CORE; CONTACTS APPEAR TO HAVE BEEN @ 60 TO 70° TO C.A.; TRACE GAL	4767	20%	42.0	42.2	0.2			0.508	1.08	42.0-42.2 0%

LANGRIDGES — TORONTO — 366-1168

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DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-10 SHEET NO. 2 of 3

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au oz/ton	ASSAYS Ag oz/ton	RQD
42.2	45.0	ALTERED AMYGDALOIDAL FLOW MOD TO INT ALT^{N}, (Ser ± CARB ± Si ± GREEN MICA); MOD TO INTENSE QTZ STRS / PATCHES UP TO 8 cm WIDE @ VARIOUS L's TO C.A.; OFTEN IRREGULAR IN ORIENTATION AND WIDTH; STRS CONTAIN MY AND Sph; FOL^{N} @ 60° TO 60° TO C.A. SOMETIMES VISIBLE; SHARP DECREASE IN ALT^{N} @ 30° TO C.A AT END OF INTERVAL	4768	3%	42.2	43.1	0.9			0.148	0.29	42.2 - 45.0
			4769	2%	43.1	44.0	0.9			0.006	0.01	
			4770	4%	44.0	45.0	1.0			0.034	0.23	70%
45.0	69.3	AMYGDALOIDAL FLOWS GREEN TO MAROON-GREY; DARK GREEN AND SOMETIMES RED PHENOS; MINOR Ca FILLED AMYGD.; WEAK TO MOD. CARB ± Si STRS @ VARIOUS L's TO C.A.; MINOR IRREGULAR Si-CARB- Sx STRS, MOSTLY @ LOW L's TO C.A.; ALWAYS WITHIN GREEN INTERVALS; MINOR SERIC ALT^{N} ENVELOPES AROUND THEM (45.0 - 46.5) WEAK Ser ALT^{N}; MOD PATCHY BARREN Si- FLOODING / STRS (50.1 - 50.6) 1 TO 4 cm Si-Sx STR @ VARIABLE LOW L TO C.A.; STR CONTAINS 60% py >> Sph (56.0 - 56.3) LOW L STR / FLOODING; 30% Si + CARB; 4% py > Sph; MINOR Cpy	4771	20%	50.1	50.6	0.5			0.960	2.89	45.0 - 69.3 80 TO 90%
			4772	4%	56.0	56.3	0.3			0.020	0.18	
69.3	71.8	ALTERED AMYGDALOIDAL FLOW / QSTRS MOD INCREASING TO INTENSE SER-CARB-Si-GREEN MICA; IRREGULAR, MOSTLY LOW L QTZ-Sx STRS COMMON (py > Sph, MINOR Cpy); LAST 70 cm HAS INTENSE FOL^{N}; FOL^{N} MOST COMMONLY @ ±60° TO C.A BUT HIGHLY CONTORTED IN PLACES; MINOR DISSEM py IN ALTERED VOLC; UP TO 25% Sx IN STRS; ABOUT 10% QTZ-Sx STRS OVER- ALL	4773	5%	69.3	70.2	0.9			0.031	0.12	69.3 - 71.8 90%
			4774	2%	70.2	71.0	0.8			0.008	0.08	
			4775	4%	71.0	71.8	0.8			0.025	0.21	

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-10 SHEET NO. 3 of 3

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD	
71.8	74.4	QUARTZ VEIN (2.6M) WHITE, LESSER GREY QTZ WITH ABUNDANT Sx; 5% INTENSELY ALT^{D} W.R. FRAGS; 25% Sx IN PATCHES AND FRACTURES THRU-OUT; MOSTLY Py>SPH; MINOR CPY, GALENA; UPPER CONTACT IS A CLAY SUR @ 75° TO C.A.; LOWER CONTACT IS AN i- SIL ZONE FOR 20cm @ HIGH L'S TO C.A.; M FINE TO MED GRAIN; SPH IS GREY TO LIGHT BROWN	4776	25%	71.8	72.3	0.5			2.265	2.57	71.8-74.4 70%	2.6m, 1.041
			4777	25%	72.3	72.8	0.5			1.119	1.78		
			4778	25%	72.8	73.3	0.5			0.513	2.08		
			4779	25%	73.3	73.8	0.5			0.647	3.63		
			4780	25%	73.8	74.4	0.6			0.723	3.05		
74.4	99.8	LAPILLI TUFF ABUNDANT CLASTS; MOSTLY <4cm; RARELY TO >10cm; CLAST ELONGATION @ 50 TO 60° TO C.A. COMMON; GREY-GREEN TO 78.3m; THEN MOSTLY MAROON-GREY WITH MINOR GREEN; WEAK TO MOD <1cm CARB±Si STKS; VERY MINOR <1cm Si-Py STKS; STKS MOSTLY @ MOD TO HIGH L'S TO C.A. (74.4-78.3) GREEN; MINOR DISSEM. Py; ONLY 2cm OF i-ALTN IN FW OF VEIN; THEN MOD TO MOSTLY WEAK Ser± CARB-Chl; MOD <0.5cm CARB-Si STKS TO 75.1m	4781	2%	74.4	75.1	0.7			0.008	0.02	74.4-99.8 96%	
99.8	104.3	BEDDED TUFF/SST <1cm TO >1m BEDS OF FINE TO MED GRAINSST/TUFF; MAROON TO 103.5, THEN GREEN; BEDDING @ 40° TO C.A.; MINOR Cc IN FRACTURES; MATRIX SOMETIMES CALCAREOUS										99.8-104.3 95%	
104.3	106.7	LAPILLI TUFF AS FROM 74.4-99.8; MAROON; FEW CARB STKS										104.3-106.7 90%	
	106.7	E.O.H.											

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME MT.
HOLE NO. D90-11 LENGTH 102.7m (337')
LOCATION Portal, 1370 Adit
LATITUDE _____ DEPARTURE _____
ELEVATION 1366.53 AZIMUTH 006 DIP -60
STARTED JAN 21/90 FINISHED JAN 22/90

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH

HOLE NO. D90-11 SHEET NO. 1 of 3
REMARKS _____

LOGGED BY HANS SMIT

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au oz/ton	ASSAYS Ag oz/ton	RQD
0	4.6	CASING										
4.6	30.2	LAPILLI TUFF (DAC?) GREY-GREEN TO MOSTLY GREEN; LAPILLI TUFF WITH ABUND. 1-2mm FELD XTLS IN MATRIX, MINOR SEDIMENTARY LOOKING UNITS, ESP. 10.1 to 14.0m; BEDDING @ ±40° TO C.A.; MINOR GREY CLASTS/GREY PATCHES THRU-OUT & THUS CALLED DAC. TUFF IN OLD LOGS; MINOR 1-0.5cm Cc STKS; FRACTURE FILLINGS; MINOR DISSEM PY.										4.6 - 30.2 90%
30.2	63.1	AMYGDALOIDAL FLOWS MASSIVE FLOWS; MINOR FLOW TOP BRECC; VARIABLE AMOUNTS OF CALCITE FILLED AMYGD; MOSTLY DARK GREEN WITH DARK GREEN/BLACK PHENOS, MINOR MAROON-GREY WITH DARK GREEN AND RED PHENOS; ABUNDANT CALCITE IN MATRIX, PATCHES, AMGD AND MINOR STKS; OCCASSIONAL PERVASIVE EPID, MINOR PATCHES OF i-EPID; TRACES DISSEM. PYRITE (55.4-56.4) BEDDED XTL TUFF; GREEN; BEDDING @ 30° TO 45° TO C.A (61.9-63.1) WEAK ALT°, i- FOR LAST 10 cm; Ser-Chl-Carb; MINOR 1/cm QSTKS @ IRREGULAR LOW L'S TO C.A. W MINOR PY; LAST 10cm HAS STRONG FOL° @ HIGH L TO C.A.; SOMEWHAT IRREGULAR/MICRO-FOLDED.	4782	<0.5%	61.9	63.1	1.2			0.001	0.11	30.2 - 63.1 90+%
63.1	63.45	QUARTZ VEIN (0.35m) WHITE QTZ WITH 15% Sx; MINOR SERIC IN PARTINGS; 1cm VUG; Sx MOSTLY PY WITH 1 to 2% Sph AND MINOR FINE GREY MINERAL (TETRAHEDRITE?); Sx IN FRACTURES AND BANDS/PATCHES BY FRACTURES; CONTACTS @ 60° TO C.A.; LOWER CONTACT IRREGULAR	4783	15%	63.1	63.45	0.35			0.635	1.88	63.1 - 63.45 80%

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-11 SHEET NO. 2 of 3

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au oz/ton	ASSAYS Ag oz/ton	RQD
63.45	65.4	ALTERED AMYGDALOIDAL FLOWS VARIABLY ALTERED (Ser±Chl± CARB± S:); 5% WHITE QTZ± CARB STKS/PATCHES; VARIABLE FOL= @ MOD TO HIGH L'S TO C.A.; ONLY MINOR PY IN STKS AND WALL ROCK	4784	<0.5%	63.45	64.40	0.95			0.019	0.25	63.45-65.4 80%
			4785	<0.5%	64.40	65.40	1.0			0.001	0.09	
65.4	85.8	AMYGDALOIDAL FLOWS MOSTLY MAROON-GREY TO RED, SOME GREEN; AMYGD. RARE IN MOST OF INTERVAL; CALCITE IN PATCHES, STRINGERS, PERVASIVE IN THE MATRIX (VERY WEAK TO MOD.) AND MINOR AMYGD; MINOR CRYSTAL TUFF (68.7-74.5) GREEN, PERVASIVE CHL, WEAK TO MOD EPID. [70.3-70.6] CARB-CHL 5: STR, ABUNDANT WIR. FRACS; BARREN; @ ± 45° TO C.A. (84.4-85.5) ABUNDANT CARB PATCHES (WHITE) (85.5-85.8) BROKEN CORE; MOD. CLAY										65.4-85.5 90+% 85.5-85.7 0%
85.8	87.8	ALTERED AMYGDALOIDAL FLOW PATCHY MOD ALT= TO MINOR ALT= TO 87.0, THEN MOD INCREASING TO INTENSE ALT= (Ser±Chl±CARB± GREEN MICA FOR LAST 20 CM.; MINOR PY FOR LAST 20 CM; IRREGULAR FOL= FOR LAST 20 CM.	4786	Tr	85.8	87.0	1.2			0.061	0.07	85.8-87.8
			4787	<0.5%	87.0	87.8	0.8			0.001	0.05	80%
87.8	92.8	QUARTZ VEIN (5.0M) WHITE QTZ, MINOR GREY QTZ; i-ALT± WALL ROCK FRAGS, ESP FROM 90.0-90.4 (~20% OVERALL); 5 TO 10% PY THROUGHOUT IN FRACTURES, DISSEM AND IN UP TO 4CM PATCHES OF COARSE PY; MINOR Sph, TETR; LAST 50 CM IS A ZONE TO 60% WALLROCK WITH QTZ STKS @ VARIOUS L'S; UPPER CONTACT IS SHARP @ 60° TO C.A.; SOME BANDING OF Sy± WALLROCK CLASTS @ LOWER L'S (30-45°); BROKEN CORE COMMON, ESPECIALLY FROM ± 87.4 - 88.5M; MINOR CORE LOSS. Hi. visible Au (1MM x 0.3MM) at 89.3M. White SiO2 vein with few vugs with clear SiO2 linings + clear SiO2 xls.	4788	7%	87.8	88.3	0.5			0.879	1.05	87.8-92.8 70%
			4789	7%	88.3	88.8	0.5			0.510	2.38	
			4790	10%	88.8	89.3	0.5			0.184	2.62	
			4791	7%	89.3	89.8	0.5			0.174	1.43	
			4792	5%	89.8	90.3	0.5			0.090	0.18	
			4793	5%	90.3	90.8	0.5			0.109	0.38	
			4794	7%	90.8	91.3	0.5			0.064	0.32	
			4795	5%	91.3	91.8	0.5			2.109	1.38	

S.O. 0.450 oz/t Au

LANGRIDGES — TORONTO — 366-1186

DIAMOND DRILL RECORD

NAME OF PROPERTY: DOME

HOLE NO.: D90-11 SHEET NO.: 3 of 3

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	% SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	TOTAL	ASSAYS %	ASSAYS %	AU OZ/TON	Ag OZ/TON	RQD
87.8	92.8	QUARTZ VEIN (CONT.)	4796	5%	91.8	92.3	0.5			0.347	0.67	
			4797	5%	92.3	92.8	0.5			0.033	0.18	
92.8	95.1	ALTERED VOLCANICS BUFF COLORED; MOD TO i. CARB ± SER; MINOR QTZ-CARB STRS; 3cm QSTR c̄ PY @ 75° TO C.A c̄ 5cm HW OF i- Si-PY TO BY 95.0m; 1% TO 2% DISSEM. PY FOR REST IN VOLCANICS	4798	1%	92.8	93.9	1.1			0.006	0.07	92.8-95.1
			4799	2%	93.9	95.1	1.2			0.011	0.23	80%
95.1	102.7	LAPILLI TUFF MAROON WITH PATCHY LIGHT ZONES TO 98.4m; CLASTS OFTEN HARD TO MAKE OUT BUT ARE <1cm TO COMMONLY 4cm + IN LENGTH; ABUNDANT CLASTS OVERALL; <1mm FELD. CRYSTALS IN CLASTS AND MATRIX; CARB. IN FRACTURES AND MINOR STRINGERS; PATCHY SER ± CLAY ± CARB ALTᴺ, MINOR PY TO 98.4M										95.1-98.4 70% 98.4-102.7 90%
	102.7	E.O.H.										

LANGRIDGES -- TORONTO -- 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME MT
HOLE NO. D90-12 LENGTH 102.7m (337')
LOCATION BOULDER, 1370 ASL E
LATITUDE ____ DEPARTURE ____
ELEVATION 1366.37 AZIMUTH 025 DIP -60
STARTED JAN. 22/90 FINISHED JAN 22/90

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH
78.3	-58.0				

HOLE NO. D90-12 SHEET NO. 1 of 3
REMARKS ____
LOGGED BY HANS SMIT

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
0	12.2	CASING										
12.2	40.6	VOLCANIC SEDIMENTS / TUFF GREY-GREEN TO GREEN; VARIES FROM FINE SEDS W UP TO 2cm CLASTS TO CONGL. WITH UP TO 4cm CLASTS TO XTL-LAPILLI / LAPILLI TUFF; MINOR GREY SILICIC PATCHES THRU-OUT; SOME DISTINCT BEDDING (@ 30° TO 45° TO C.A. MOST COMMONLY, BUT @ OTHER L'S AS WELL); MOST OF INTERVAL APPEARS TO BE SEDIMENTARY ⇒ THOUGH WITH A VOLC. ORIGIN FOR SEDS; MINOR CARB ± Si ∠ 0.5cm STRS; OCCASIONALLY BLOCKY CORE; MINOR DISSEM PYRITE										12.2 – 13.7 60% 13.7 – 40.6 80%
40.6	56.65	AMYGDALOIDAL FLOWS GREEN TO LESSER MAROON-GREY; MASSIVE FLOWS WITH MINOR CALCITE FILLED LAPILLI; ABUNDANT GREEN AND SOMETIMES RED PHENOS; CALCITE IN AMLD, PATCHES, FRACTURES, MATRIX AND MINOR STRS; MINOR UP TO 3cm BARREN CARB (± MINOR Si) STRS @ 40° TO 50° TO C.A.; WEAK TO OCCASSIONALLY MOD. EPID (PERVASIVE) ALT± COMMON THRU-OUT; UPPER CONTACT IS STRATIGRAPHIC (IRREGULAR @ ± 45° TO C.A.) (54.6 – 56.25) NUMEROUS ∠ 0.5cm CALCITE STRS @ 45° TO 55° TO C.A. (56.25 – 56.25) WEAK Chl-Ser ALT±; Tr-PY) HW TO QV	4800	Tr	56.25	56.65	0.4			0.001	0.04	40.6 – 56.65 90+%

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: DOME

HOLE NO. D90-12 SHEET NO. 2 of 3

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	% SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	TOTAL	ASSAYS %	ASSAYS %	Au OZ/TON	Ag OZ/TON	RQD
56.65	57.0	QUARTZ VEIN (0.35 m) WHITE QTZ WITH 20 % Sx ; PY > SPH > GAL > CPY > TETR; Sx IN FRACTURES, DISSEM. AND IN PATCHES (ESP. COARSE PY); CONTACTS @ 60° TO C.A.	4801	20%	56.65	57.0	0.35			1.041	5.34	56.65 - 57.0 90%
57.0	58.1	ALTERED AMYGDALOIDAL GREEN; ABUNDANT QTZ ± CARB STRS/FLOODING, ESP FOR FIRST 50 cm ; i - Ser ± CARB-Si GRADING TO MOD. Se. - CARB ± CARB- Si ; 1% PY IN STRS AND MINOR DISSEM IN VOLC ; TRACE SPH - CPY ; STRONG DECREASING TO WEAK SHEAR @ 60° TO 70° TO C.A.	4802	1%	57.0	58.1	1.1			0.005	0.53	57.0 - 58.1 60%
58.1	85.7	AMYGDALOIDAL FLOWS MOSTLY MAROON TO MAROON-GREY, MINOR GREEN. ABUNDANT RED ± LIGHT GREEN PHENOS ; MINOR PATCHY AND OCCASSIONAL WEAK PERVASIVE EPID ALT^n ; Cc IN < 1cm STRS, AMGD (MINOR), PATCHES AND SOMETIMES IN THE MATRIX ; OCCASSIONAL UP TO 4 cm CARB ± Si STRS @ VARIOUS ∠'S TO C.A. ; BARREN, NO ALT^n. (60.5 - 61.7) . 0.5 cm CARB STR W MINOR W.A. ALT^n SUBPARALLEL TO C.A. ; BROKEN CORE, MINOR PY (66.0 - 66.2) CRYSTAL TUFF BED @ 30° TO C.A. (81.2 - 84.5) MOD CARB ± Si ± Chl PATCHES / STRS @ MOSTLY LOW ∠'S TO C.A. (84.5 - 85.7) PATCHY WEAK TO MOD CARB-Se-Chl ALT^n. 1 cm CARB STR W PY @ 45° TO C.A BY 84.9 m										58.1 - 85.7 90+%
85.7	89.1	ALTERED AMYGDALODAL MOD TO INTENSE Ser ± Chl ± CARB ± Si ; MINOR BRIGHT GREEN MICA ; MINOR QTZ - CARB STRS TO 87.8 m, THEN MOD TO i QTZ - CARB STRS / FLOODING, INTENSE ALT^n ; 6 cm QSTR @ 86.4, HW @ 50° TO CA, FW @ 75° ; MINOR PY TO 1% IN i-ALT ROCK ; BROKEN CORE FROM 87.8 - 89.1 m ; STRONG FOL^n @ 45° TO 60° TO C.A FROM 87.8 - 89.1 m	4803	3%	85.7	86.8	1.1			0.071	0.54	85.7 - 87.8 80%
			4804	<1%	86.8	87.8	1.0			0.001	0.03	87.8 - 89.1
			4805	<1%	87.8	88.5	0.7			0.001	0.05	50%
			4806	1%	88.5	89.1	0.6			0.013	0.18	

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-12 SHEET NO. 3 of 3

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
89.1	89.35	QUARTZ VEIN (0.25m) WHITE QTZ + 25% Sx (PY >> CAL, SPH); SERIC. IN FRACTURES AND MINOR PARTINGS; Sx IN BANDS OF 2-Sx SUBPARALLEL CONTACTS; UPPER CONTACT @ 60° TO C.A.; LOWER @ 45°; (Sx ALSO IN FRACTURES)	4807	25%	89.1	89.35	0.25			0.356	2.49	89.1-89.35 80%
89.35	90.5	ALTERED TUFF (-CARB ± Ser ± Chl; MINOR IRREGULAR <0.5cm QTZ-CARB STRS; BUFF COLORED; MINOR FOLIATED ZONES @ MOD TO HIGH C's TO C.A.; 2% DECREASING TO MINOR DISSEM. PY	4808 4909	2% 1%	89.35 89.8	89.8 90.5	0.45 0.7			0.014 0.001	0.30 0.01	89.35-90.5 90%
90.5	102.7	LAPILLI TUFF. ABUNDANT CLASTS TO XTL-LAPILLI TUFF; MINOR BEDDED CRYSTAL TUFF; BEDDING @ 45° TO 50° TO C.A.; MAROON TO MAROON-GREY, MINOR GREEN; MINOR CARB ± QTZ STRS; CARB IN FRACT.; MINOR GREEN ALT° ALONG SOME FRACTURES; SOME CLASTS TO 10cm ⇒ GETTING TOWARDS VOLC. BRXX.										90.5-102.7 90%
	102.7	E.O.H.										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME MT.
HOLE NO. D90-13 LENGTH 136.2m
LOCATION BOULDER, 55m SE of Spad #1, 1370 Alt.
LATITUDE _____ DEPARTURE _____
ELEVATION ±1358 AZIMUTH 012 DIP -60
STARTED JAN 23/90 FINISHED JAN 24/90

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH
72.2	-59.2				
136.2	-58.0				

HOLE NO. D90-B SHEET NO. 1 of 4
REMARKS _____
LOGGED BY HANS SMIT

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
0	14.3	CASING										
14.3	47.1	VOLCANIC SEDIMENT / TUFF GREEN TO GREEN-GREY WITH PATCHY GREY SILICIC ZONES VARIES FROM MOSTLY FINE TUFF / BEDS WITH VARIABLE UP TO 2cm, RARELY LARGER, CLASTS TO LAPILLI TUFF TO CONGLOMERATE; OFTEN UNCERTAIN IF A TUFF OR A SEDIMENT; CLASTS MOSTLY FINE GRAINED GREEN TO GREY; MINOR AMYG. CLASTS BY LOWER CONTACT; BEDDING @ 50° TO 60° TO C.A.; OCCASSIONALLY CALCAREOUS MATRIX; MINOR MM SCALE Cc STRS, MINOR DISSEM PY; OCCASSIONALLY BLOCKY CORE MINOR <1CM QTZ-CARB STRS WITH ABUNDANT PY, Sph AT LOW, IRREGULAR L'S TO C.A.; NO SIGNIFICANT ~~RELATED~~ ALTERATION (27.5 – 28.1) 2 QSTRS UP TO 1cm WIDE @ VERY LOW L'S TO C.A; 30% PY, Sph WITHIN	4810	3%	27.5	28.1	0.6			0.610	0.46	14.3 – 22.0 80% 22.0 – 47.1 90%
47.1	57.7	AMYGDALOIDAL FLOWS GREEN; MINOR Cc FILLED AMYGD; ABNT DARK GREEN BLACK PHENOS; SOMETIMES RED-BROWN PHENOS; MINOR CALCITE STRS; ABUNDANT Cc IN PATCHES, PERVASIVE IN THE MATRIX; UPPER CONTACT TO ZONE IS STRATIGRAPHIC (@ ±45° TO C.A.); MINOR DISSEM PYRITE; WEAK PERVASIVE EPID ALT'N COMMON										47.1 – 57.7 90%

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-13 SHEET NO. 2 of 4

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
57.7	58.6	QUARTZ STRINGER ZONE 40% QTZ ± CARB STKS UP TO 15cm WIDE; HOSTED BY WEAKLY ALT± AMYG; (CHL-SER ± CARB); STKS @ 30° TO 50° TO C.A.; CONTAIN UP TO 15% PY, MINOR SPH; MINOR FINELY DISSEM. PY.	4811	5%	57.7	58.6	0.9			0.124	0.29	57.7-58.6 70%
58.6	63.2	AMYGDALOIDAL FLOWS GREEN; AS BEFORE (91.7-92.3) IRREGULAR WIDTH MAROON WHITE QTZ-CARB STK @ LOW L'S TO SUBPARALLEL C.A.; WEAK PO± IN HW; FW PARALLEL STK (63.0-63.2) WEAK TO MOD CHL-SER ALT±										58.6-63.2 90%
63.2	63.6	QUARTZ VEIN (0.4m) WHITE QTZ, MINOR CARB WITH 15% SX's (PY >> SPH, CPY); UPPER CONTACT IS 10 cm of i-S: FLOODED VOLC; LOWER CONTACT IS SHARP BUT IRREGULAR @ MOD L TO C.A.; MINOR i-ALT± (SER ± CHL) ALT± W.R. FRAGS, ESP NEAR BOTTOM; SX MOSTLY FINE TO MED GRAIN; IN 1cm BANDS, DISSEM AND IN FRACTURES; 10 cm OF HW SAMPLED ∓ VEIN	4812	15%	63.1	63.6	0.5			0.489	1.29	63.2-63.6 90%
63.6	70.1	ALTERED AMYGDALOIDAL FLOW VARIABLY ALT±; LIGHT TO MED GREEN, MINOR MAROON GREY; MOD LOW TO VERY LOW L QTZ-CARB STKS; MOSTLY <2cm WIDE; (SOME STKS @ HIGHER L'S TO C.A.); ALT± IS ±CHL ±SER ±Si ±CARB; SOME PO± IN IMMEDIATE HW; FW TO STKS PARALLEL STKS; STKS CONTAIN 1% UP TO 20% + UP TO 2% SPH, MINOR CPY; (67.4-68.0) 50% QTZ, STKS/FLOODING; CONTAINS TO ZONE IRREGULAR @ OFFSITE L'S TO C.A.; 15% PY > SPH >> CPY	4813	1%	63.6	64.8	1.2			0.005	0.08	63.6-70.1
			4814	3%	64.8	66.1	1.3			0.027	0.12	80 TO
			4815	2%	66.1	67.4	1.3			0.003	0.03	90%
			4816	15%	67.4	68.0	0.6			0.308	0.47	
			4817	2%	68.0	69.0	1.0			0.001	0.06	
			4818	2%	69.0	70.1	1.1			0.001	0.06	

LANGRIDGES — TORONTO — 366-1168

ORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-13 SHEET NO. 3 of 4

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au OZ/TON	ASSAYS Ag OZ. TON	RQD
70.1	96.7	AMYGDALOIDAL FLOWS HEMATITIC (MAROON TO LOCALLY RED); VARIABLE, MOSTLY MINOR, Cc FILLED AMYG.; ABNT DARK GREY/BLACK, RED AND LIGHT GREEN PHENOS/AMYG; CALCITE IN FRACTURES, MATRIX PATCHES AND MINOR STRS; MINOR BANDS OF i-EPID; OCCASSIONAL WEAK PERVASIVE EPID. (71.3 - 71.9) WEAK SHEAR/FOL^{n} @ 50° TO C.A.; MOD. PERVASIVE EPID. ALT^{n} (96.3 - 96.7) WEAK INCREASING TO MOD Ser - CARB ALT^{n}; LAST 10 cm FOLIATED PARALLEL QV	4819	T-	96.3	96.7	0.4			0.011	0.08	70.1 - 96.7 90+%
96.7	97.0	QUARTZ VEIN (0.3m) MOTTLED WHITE QTZ, MINOR CARB WITH 7% PY > Sph >> CPY; CONTACTS @ 40° TO C.A.; Sx MOSTLY IN OR AROUND FRACTURES. 10 cm OF ALT^{d} W.R. INCLUDED IN SAMPLE	4820	7%	96.7	97.1	0.4			0.185	0.54	96.7 - 97.0 80%
97.0	118.1	AMYGDALOIDAL FLOWS HEMATITIC; MAROON, MINOR RED; AS BEFORE VEIN BUT MORE MICRO-FRACTURES WITH Cc, MORE < 2cm CARB STRS; VERY WEAK EPID ALT^{n} COMMON; SOME PATCHY GREEN ALT^{n} FROM 114m ON										97.0 - 118.1 90+%
118.1	119.5	ALTERED AMYGDALOIDAL MOD TO INTENSLY ALT^{d} (Ser-Chl-CARB-Si - BRIGHT GREEN MICA); ABUNDANT QTZ+ CARB PATCHES, IRREGULAR STRS; WEAK TO MOD IRREGULAR FOL^{n} @ VARYING ∠'S TO C.A.; MINOR TO LOCALLY 1% DISSEM PYRITE	4821	<0.5%	118.1	118.8	0.7			0.005	0.04	118.1 - 119.5 90%
			4822	0.5%	118.8	119.5	0.7			0.001	0.08	

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: DOME

HOLE NO. D90-13 SHEET NO. 4 of 4

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
119.5	119.7	SILICIFIED BRECCIA WHITE QTZ + LESSER ALT^D VOLC FRAGMENTS IN A QTZ-SERIC-PY MATRIX; CONTACTS @ 55° TO C.A.; 5% FINE TO MOD GRAIN PY; TRACE GAL, Sph	4823	5%	119.5	119.7	0.2			0.036	0.51	119.5-119.7 80%
119.7	122.0	ALTERED TUFF INTENSELY SHEARED, GREEN ALT^D (Chl-Ser-CARB ± Si); MOD IRREGULAR <1 CM QTZ-CARB STRS; FOL ⊂ @ VARIOUS L'S TO C.A.; SOME CROSSCUTTING FOL ⊂; STRS: IRREGULAR, SOMETIMES SHEARED; 1% DISSEM PY; TRACE GAL NEAR/UPPER CONTACT	4824	1%	119.7	120.4	0.7			0.006	0.18	119.7-122.0
			4825	1%	120.4	121.2	0.8			0.093	0.18	70%
			4826	0.5%	121.2	122.0	0.8			0.007	0.12	
122.0	136.2	VOLCANIC TUFF XTL - LAPILLI TO LAPILLI; GREY/GREY-RED WITH GREEN-GREY ZONES; ABNT MICRO-FRACTURES W CARB TO 127 M; WEAK TO MOD CARB IN FRACTURES/STRS THEREAFTER; GREEN AREAS HAVE TRACE TO LOCALLY 1% DISSEM PYRITE; STRONG SHEARING/LEAST ELONGATION @ 50° TO 60° TO C.A.; SOME POSSIBLE BEDDING BUT OVERALL HARD TO MAKE OUT ORIGINAL STRUCTURE. (123.2-124.4) GREEN; MINOR LOW ∠ QTZ-CARB STRS ± PY, ∠ 0.5cm WIDE										122.0-136.2 90%
	136.2	E.O.H.										

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME MT.
HOLE NO. D90-14 LENGTH 173.6m (570')
LOCATION 55m SE of Spad #1, 1370 Adit, D90-13 setup
LATITUDE _____ DEPARTURE _____
ELEVATION ±1358 AZIMUTH 012 DIP -75°
STARTED JAN 24/90 FINISHED JAN 25/90

METRES	DIP	AZIMUTH	METRES	DIP	AZIMUTH
99.7	-73.5				
176.2	-74.2				

HOLE NO. D90-14 SHEET NO. 1 of 6
REMARKS _____
LOGGED BY HANS SMIT

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	RQD
0	15.2	CASING										
15.2	40.3	VOLCANIC SEDIMENTS / TUFF GREY-GREEN TO GREEN; GREY PATCHY SILICIC AREAS; MOSTLY FINE TO MED GRAIN WITH MINOR < 1cm CLASTS; LOOKS SEDIMENTARY BUT MAY BE TUFF; MINOR CONGL.; MINOR LAPILLI TUFF; SOME DEFINITE BEDDING @ 45° TO 50° TO C.A.; MINOR <2cm QTZ-CARB STRS, MOSTLY @ 25° TO 45° TO C.A.; MINOR CARB IN FRACTURES; VERY MINOR < 0.5cm STRS @ LOW L's TO C.A. TO 45° TO C.A. WITH QTZ-CARB + MINOR Py, Sph; OCCASSIONALLY BLOCKY CORE; MINOR CORE LOSS FOR FIRST 2m 25.3m) 3cm BRXX ZONE; SILICIC; @ 45° TO C.A.; OPEN VUGS											15.2 - 18.2 60% 18.2 - 40.3 70% 80%
40.3	68.8	AMYGDALOIDAL FLOWS GREEN; MINOR Cc AMYGD; ABUNDANT DARK-GREEN/BLACK PHENOS; MINOR RED-GREY WITH RED PHENOS; ABUNDANT Cc IN PATCHES; MINOR < 1cm STRS @ 20° TO 40° TO C.A.; AND IN AMYGD; MINOR QTZ-CARB STRS @ LOW L's TO C.A.; WHITE, BARREN, UP TO 2cm WIDE; TRACES DISSEM Py; OCCASSIONAL WEAK PERVASIVE EPID ALT'N; MINOR BANDS OF i-EPID (40.3 - 41.3) FINE GRAINED; UPPER CONTACT @ 60° TO C.A. => FLOW TOP, POSSIBLY A TUFF											40.3 68.8 90%

LANGRIDGES — TORONTO — 366-1168
FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY: DOME

HOLE NO. D90-14 SHEET NO. 2 of 6

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	% SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	%	%	ASSAYS Au OZ/TON	ASSAYS Ag OZ/TON	RQD
40.3	68.8	AMYGDALOIDAL FLOWS (CONT.) (41.4-41.9) QSTRS; 6cm QSTR @ 50° TO C.A. FOLLOWED BY <2cm LOW ∠ AND A 35° STRINGER; WEAK TO MOD SER-CHL-CARB ALT^N; STRS CONTAIN PY > SPH > CPY 59.1m) 2cm QTZ-CARB-CHL STR; MINOR PY @ 40° TO C.A.; WEAK PARALLEL FOL^N FOR A FEW cm; NO ALT^N (66.1-66.5) BEDDED TUFF; BEDDING @ 45° TO C.A. (66.5-68.8) PATCHY RED/BROWN-GREY; FLOW.	4827	5%	41.4	41.9	0.5			0.119	0.30	
68.8	79.5	ALTERED AMYGDALOIDAL FLOW / QSTRS GREEN; VARIABLY ± CHL ± SER ± CARB ± Si ALT^D; Si-ALT^D ZONES ASSOC. WITH IRREGULAR SHEARING @ VARYING, MOSTLY MOD TO HIGH ∠'S TO C.A. AND WHITE QTZ-CARB PATCHES/IRREGULAR STRS; STRS MOSTLY <1cm BUT LOCALLY TO 5cm; IRREGULAR WIDTHS AND ORIENTATION; STRS CONTAIN VARIABLE PY AND MINOR SPH, CPY; MINOR DISSEM PY IN VOLC.; 5 TO 10% STRS/PATCHES OVERALL; CONTACTS TO ZONE @ 60° (UPPER) & 45° (LOWER) TO C.A. (74.8-76.3) 20% QSTR, INCLUDING A 20cm STR FROM 75.0-75.2 M @ 50° TO C.A.	4828	<1%	68.8	70.3	1.5			0.001	0.01	68.8-79.5
			4829	<1%	70.3	71.8	1.5			0.001	0.01	
			4830	1%	71.8	73.3	1.5			0.001	0.01	80%
			4831	<1%	73.3	74.8	1.5			0.001	0.01	
			4832	2%	74.8	76.3	1.5			0.225	0.19	
			4833	<1%	76.3	77.9	1.6			0.005	0.01	
			4834	1%	77.9	79.5	1.6			0.006	0.07	
79.5	95.5	AMYGDALOIDAL FLOWS HEMATITIC; MAROON TO MAROON-GREY, MINOR RED; SOME GREEN ALT^D ZONES; ABUNDANT DARK-GREEN/BLACK AND RED PHENOS; MINOR AMYGD; AS BEFORE, ABUNDANT CC IN STRS, PATCHES, PERVASIVE IN MATRIX AND IN AMYGD; OCCASIONAL WEAK PERVASIVE EPID (92.3-93.9) GREEN; CHL ± SER-CARB ALT^D; 3cm QTZ-CHL-PY, MINOR CPY; HEMATITE STR @ ~20° TO C.A BY 92.8m; MOD UP TO 4cm QTZ-CARB STRS @ MOD ∠'S TO C.A. (IN [illegible] PLACES PY IN VOLCS	4835	1%	92.6	93.4	0.8			0.093	0.08	79.5-95.5 90%

LANGRIDGES — TORONTO — 366-1168

FORM 3

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-14 SHEET NO. 3 of 6

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au oz/ton	ASSAYS Ag oz/ton	RQD
95.5	97.9	ALTERED AMYGDALOIDAL GREEN; MOD TO i-ALT^{n} (Ser - Chl ± Carb ± Si); MOD IRREGULAR VN TO 3cm QSTRS/PATCHES; MINOR ZONES OF IRREGULAR FOL^{n}; MINOR INCREASING TO 1% DISSEM PY	4836	0.5%	95.5	97.0	1.5			0.001	0.01	95.5 - 97.9
			4837	0.5%	97.0	97.9	0.9			0.015	2.86	80%
97.9	98.1	QUARTZ VEIN (0.2m) WHITE QTZ WITH LESSER GREY QTZ NEAR HW; 10% SX; PY >> GAL, SPH; CONTACTS @ 80° TO C.A.	4838	10%	97.9	98.1	0.2			0.011	0.05	97.9 - 98.1 80%
98.1	98.8	ALTERED AMYGDALOIDAL GREEN; Ser - Carb - Si ± Chl ALT^{n}; 25% WHITE QTZ ± CARB STRS/PATCHES/FLOODING; 2% DECREASING TO MINOR PY; IRREGULAR, CONTORTED FOL^{n} DEVELOPING TO STRONG FOL^{n} @ ± 80° TO C.A. BY END OF INTERVAL; MINOR CRENULATIONS	4839	1%	98.1	98.8	0.7			0.003	0.02	98.1 - 98.8 80%
98.8	121.3	AMYGDALOIDAL FLOWS HEMATITIC (MAROON TO RED); ABUNDANT CALCITE (MORE THAN EARLIER) IN PATCHES/STRS AND MINOR TO OCCASSIONALLY NUMEROUS AMYGD.; MINOR RED XTL TUFF BDS, BEDDING @ 50° TO 75° TO C.A.; SHEARED (@ ± 80° TO C.A.) TO 99.2m; OCCASSIONAL CARB STRS TO 3cm @ 20° TO 40° TO C.A. (117.9 - 113.9) GREEN; Chl, w-Ser; 5cm QTZ-CARB-CHL STR WITH MINOR PY @ 45° TO C.A BY 118.6m (117.5 - 119.5) WEAK PERVASIVE EPID. ALT^{n}; ABUNDANT MICRO-FRACTURES WITH EPID-CARB (121.0 - 121.3) GREEN; MOD TO i - Chl-Ser-CARB; IRREGULAR FOL^{n} @ LOW i's TO C.A.; 5% QTZ-CARB FLOODING - STRS; MINOR DISSEM PY.	4840	0.5%	121.0	121.3	0.3			0.001	0.01	98.8 - 121.3 90+%

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-14 SHEET NO. 4 of 6

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS Au %	ASSAYS Ag %	ASSAYS Au oz/ton	ASSAYS Ag oz/ton	RQD
121.3	122.2	QUARTZ VEIN (0.9m) WHITE QTZ, 5%; ALT^{D} W.R. FRAGS; WEAK TO MOD FRACTURES WITH SERIC$^{\pm}$ PY; 2cm GOUGY ALONG BOTTOM; 7% DECREASING TO 2% PY, MINOR CPY, SV MOSTLY IN OR CLOSE TO FRACTURES; UPPER CONTACT @ 75° TO C.A.; LOWER @ ± 90° TO C.A.	4841	5%	121.3	121.7	0.4			0.290	0.36	121.3-122.2 90%
			4842	2%	121.7	122.2	0.5			0.061	0.12	
122.2	129.0	ALTERED VOLCANICS PATCHY GREEN TO GREY-MAROON; ZONES OF i-FOL^{N}, IRREGULAR, FOLDED, @ VARYING L's TO C.A.; SOMETIMES FOL^{N} CROSS-CUTS OTHER FOL^{N}; ORIGINAL ROCK TYPE HARD TO TELL FOR SURE, BUT LOOKS LIKE LAPILLI TUFF UNIT; 5% QTZ-CARB STRS, <1cm, STRS SHOW MICRO-FOLDS, AS DOES FOL^{N}; SOME STRS HAVE PY; MINOR TO TRACE DISSEM PYRITE (124.1-124.5) 50% WHITE QSTRS; VARIABLE ORIENTATION; 7% SX, PY >> CPY, GAL, TETR? - ALT^{D} IS CHL-SER-CARB-Si, WEAK TO	4843	<0.5%	122.2	123.1	0.9			0.001	0.01	122.2-129.0 80%
			4844	<0.5%	123.1	124.1	1.0			0.001	0.01	
			4845	7%	124.1	124.5	0.4			0.144	1.84	
			4846	<0.5%	124.5	126.0	1.5			0.001	0.01	
			4847	0.5%	126.0	127.5	1.5			0.005	0.01	
			4848	0.5%	127.5	129.0	1.5			0.001	0.01	
129.0	136.0	AMYGDALOIDAL FLOW HEMATITIC; MAROON WITH RED AND SOMETIMES LIGHT GREEN PHENOS; VERY MINOR AMYGD.; ABUNDANT CC IN FRACTURES, MATRIX AND <2cm STRS; MINOR CARB STRS; MOD. BROKEN CORE 132.5-133.9m; CHL, CARB, MINOR CLAY ON FRACTURES										129.0-132.5 90% 132.5-133.7 40% 133.7-136.0 80%

6.9m @ 0.163 oz/t Au

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-14 SHEET NO. 5 of 6

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au oz/ton	ASSAYS Ag oz/ton	RQD
136.0	138.3	ALTERED AMYGDALOIDAL i- Ser-Carb ± QTZ; MOD L2cm QTZ-CARB STRS; MOD FOL≃ @ ±60° TO C.A; MINOR DISSEM PY; GREEN TO BROWN-GREY	4849	0.5%	136.0	137.2	1.2			0.001	0.01	136.0-138.3 80%
			4850	0.5%	137.2	138.3	1.1			0.020	0.01	
138.3	139.3	QUARTZ VEIN (1.0M) WHITE AND MINOR GREY QTZ; 5% PY IN BANDS AND FRACTURES, MINOR STYLOLITES; MINOR CPY, TRACE TETR? ; UPPER CONTACT @ 55° TO C.A.; LOWER CONTACT BROKEN CORE	4851	5%	138.3	138.8	0.5			0.322	0.70	138.3-139.3 80% 1.0m, 0.222
			4852	5%	138.8	139.3	0.5			0.122	1.58	
139.3	142.7	QUARTZ STRINGER ZONE 20% WHITE QSTRS IN GREY i-QTZ-CARB ± SER ALT≃ ROCK; BROKEN CORE COMMON; 80% RECOVERY; STRS @ VARIOUS L'S TO C.A, UP TO 15cm WIDE; MOSTLY WHITE QTZ, MINOR CARB; MINOR PY, TRACE CPY WITHIN; 1 TO 3% DISSEM PY IN WALL-ROCK	4853	3%	139.3	140.4	1.1			0.017	0.01	139.3-142.7 40%
			4854	2%	140.4	141.5	1.1			0.006	0.01	
			4855	2%	141.5	142.7	1.2			0.006	0.01	
142.7	160.2	VOLCANIC TUFF GREEN TO GREY-GREEN, MINOR GREY-MAROON; FINE TO MED GRAIN CRYSTAL TUFF; RARELY FAINT LAPILLI VISIBLE, MINOR TO OCCASSIONALLY MOD L0.5 cm CARB STRS; MINOR DISSEM PY; VERY MINOR L0.5cm QTZ-CARB-PY STRS @ LOW, INHELVLAR L'S TO C.A.; BROKEN CORE COMMON TO ISOM. (142.7-143.5) MOD DECREASING TO WEAK CARB-S. SER ALT≃, GREY (160.0-160.2) GREY, MOD TO i- QTZ-CARB ALT≃ (SAMPLED ≃ QV)										142.7-150.0 70% 150.0-160.2 90%

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY DOME

HOLE NO. D90-14 SHEET NO. 6 of 6

METRES FROM	METRES TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE METRES FROM	SAMPLE METRES TO	SAMPLE METRES TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au oz/ton	ASSAYS Ag oz/ton	
160.2	160.4	QUARTZ VEIN (0.2m) WHITE QTZ WITH 15% i- QTZ-CARB-SER ALT'N W.R.; 3% PY DISSEM IN QTZ AND WK. ALTG'S (SAMPLED w HW & FW) -CONTACTS @ 70° TO C.A.	4856	3%	160.0	160.7	0.7			0.045	0.40	160.2-160.4 90%
160.4	173.6	VOLCANIC TUFF AS BEFORE, SOME PATCHY WEAK BLEACHING (CLAY?) (160.4-160.7) GREY; i- QTZ-CARB-SER; 3% DISSEM PY.										160.4-173.6 90%
	173.6	E.O.H.										

LANGRIDGES — TORONTO — 366-1168

APPENDIX 3

Analyses

MIN-EN LABORATORIES

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TIMMINS OFFICE:
[redacted]

J. MPD CONSULTANTS INC., C/O MIN-EN LABS.

He hereby certify the following Assay of 2 ROCK samples submitted NOV-28-89 by A.L'ORSA.

DDH
D89-1
Quartz vein

Sample Number		AU G/TONNE	AU OZ/TON	AG G/TONNE	AG OZ/TON	
4427		3.18	.093	30.5	.89	
4428		4.64	.135	210.0	6.13	
4429	D89-5	121.0	3.53	14.80	.432	77.0 - 77.5 m 50cm
4430	"	146.0	4.26	28.50	.831	77.50 - 78.00 "
4431	D89-6	374.0	10.91	72.33	2.110	37.10 - 37.60 "
4432	"	308.0	8.98	67.77	1.977	37.60 - 38.10 "
4433	"	276.0	8.05	50.95	1.486	38.10 - 38.60 "
4 434		.16	.005	3.8	.11	
4 435		.02	.001	6.4	.19	
4 436		.06	.002	1.7	.05	
4 437		1.06	.031	6.2	.18	
4 438		15.32	.447	62.3	1.82	
4 439		.20	.006	2.9	.08	
4 440		.02	.001	2.3	.07	
4 441		.87	.025	13.7	.40	
4 442		2.94	.086	29.6	.86	
4 443		.02	.001	2.2	.06	
4 444		6.15	.179	11.9	.35	
4 445		.37	.011	4.1	.12	
44 47		.02	.001	1.8	.05	
44 48		.02	.001	0.2	.01	
44 49		.04	.001	0.3	.01	
44 50		.02	.001	0.2	.01	
44 51		.02	.001	7.2	.21	
44 52		.02	.001	1.7	.05	
44 53		.02	.001	1.9	.06	
44 54		1.32	.039	14.2	.41	
44 55		1.27	.037	7.6	.22	
44 56		3.30	.096	11.2	.33	
44 57		.02	.001	0.2	.01	
44 58		1.34	.039	2.7	.08	
44 59		.39	.011	2.2	.06	
44 60		2.63	.077	7.6	.22	
44 61		.20	.006	0.8	.02	
44 62		.81	.024	4.0	.12	
44 63		.44	.013	2.9	.08	
44 64		4.36	.127	8.4	.25	
44 65		1.68	.049	3.7	.11	
44 66		.20	.006	1.8	.05	

D89-6

D89-5

Certified by [signature]

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Assay Certificate

9S-0358-RA1

Company: MPD CONSULTANTS INC.
Project: DOME
Attn: S.KELLEY

Date: JAN-03-90

Copy 1. MPD CONSULTANTS INC., OAKVILLE, ONT.
2. MPD CONSULTANTS INC., C/O MIN-EN LABS.

We hereby certify the following Assay of 23 CORE samples submitted DEC-29-89 by A.L'ORSA.

Sample Number	*AU G/TONNE	*AU OZ/TON	AG G/TONNE	AG OZ/TON
4593	.04	.001	0.1	.01
4594	2.78	.081	14.0	.41
4595	2.50	.073	5.8	.17
4596	.02	.001	0.4	.01
4597	.01	.001	0.3	.01
4598	.48	.014	0.5	.01
4599	.18	.005	4.1	.12
4600	5.10	.149	22.6	.66
4601	.06	.002	2.0	.06
4602	16.25	.474	42.2	1.23
4603	.08	.002	3.5	.10
4604	.04	.001	0.3	.01
4605	.02	.001	1.6	.05
4606	.05	.001	0.2	.01
4607	1.34	.039	6.7	.20
4608	.03	.001	0.2	.01
4609	.02	.001	0.7	.02
4610	.09	.003	1.7	.05
4611	.01	.001	0.3	.01
4612	.01	.001	0.5	.01
4613	.04	.001	3.2	.09
4614	.01	.001	0.7	.02
4615	.01	.001	0.3	.01

D89-1

D89-1

1m

0.70

D89-2

*AU - 1 ASSAY TON

Certified by

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TELEPHONE: (705) 264-9996

Assay Certificate

9S-0345-RA1

Company: MPD CONSULTANTS INC.
Project: DOME MT.
Attn: S.KELLEY

Date: DEC-09-

Copy 1. MPD CONSULTANTS INC., OAKVILLE, ONT.
2. MPD CONSULTANTS INC., C/O MIN-EN LABS.

He hereby certify the following Assay of 30 ROCK samples submitted DEC-07-89 by A.L'ORSA.

Sample Number	DDH	*AU G/TONNE	*AU OZ/TON	AG G/TONNE	AG OZ/TON	INTERVAL	LEN
4 501	D89-3	.04	.001	1.7	.05	21.54 - 22.16 m	0.62
4 502	"	.10	.003	2.3	.07	22.53 - 23.54	1.01
4 503	"	.01	.001	1.8	.05	24.53 - 25.92	1.4(
4 504	"	.02	.001	1.6	.05	25.92 - 27.02	1.1(
4 505	"	.24	.007	2.0	.06	27.68 - 28.66	0.9(
4 506	"	2.64	.077	4.4	.13	28.66 - 28.96	0.4
4 507	"	.05	.001	1.7	.05	28.96 - 29.31	0.3
4 508	"	.46	.013	1.9	.06	29.31 - 29.88	0.5
4 509	"	.02	.001	1.5	.04	29.88 - 30.61	0.7
4 510	"	2.46	.072	2.6	.08	85.41 - 86.28	0.8
4 511	"	.48	.014	6.0	.18	119.38 - 119.82	0.4
4 512	D89-4	.33	.010	1.9	.06	171.82 - 172.60	0.7
4 513	"	.60	.018	3.8	.11	177.18 - 177.68	0.5
4 514	"	.41	.012	3.9	.11	183.08 - 183.79	0.7
4 515	"	.02	.001	3.7	.11	183.79 - 184.79	1.0
4 516	"	.01	.001	6.5	.19	184.79 - 186.01	1.2
4 517	"	.02	.001	6.2	.18	186.01 - 186.91	0.9
4 518	"	.02	.001	4.2	.12	186.91 - 187.56	0.6
4 519	"	.02	.001	1.6	.05	187.56 - 188.05	0.5
4 520	"	1.26	.037	2.1	.06	188.09 - 188.89	0.8(
4 521	D89-8	.03	.001	4.0	.12	21.62 - 21.81	0.2(
4 522	"	.20	.006	1.8	.05	23.20 - 24.20	1.0(
4 523	"	.97	.028	0.9	.03	24.20 - 24.92	0.72
4 524	"	.36	.011	1.5	.04	39.31 - 39.81	0.5(
4 525	"	.27	.008	0.6	.02	43.77 - 44.81	1.0
4 526	"	.02	.001	0.4	.01	60.75 - 61.75	1.0(
4 527	"	28.17	.822	81.0	2.36	61.75 - 62.56	0.8
4 528	"	.24	.007	23.7	.69	62.56 - 63.56	1.0(
4 529	"	26.30	.767	199.0	5.80	63.56 - 64.42	0.8(
4 530	"	19.90	.580	250.0	7.29	64.42 - 65.08	0.6

*AU - 1 ASSAY TON

Certified by _____

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Assay Certificate

9S-0345-RA2

Company: MPD CONSULTANTS INC.
Project: DOME MT.
Attn: S.KELLEY

Date: DEC-09-

Copy 1. MPD CONSULTANTS INC., OAKVILLE, ONT.
2. MPD CONSULTANTS INC., C/O MIN-EN LABS.

We hereby certify the following Assay of 6 ROCK samples submitted DEC-07-89 by A.L'ORSA.

Sample Number		*AU G/TONNE	*AU OZ/TON	AG G/TONNE	AG OZ/TON	INTERVAL	LENGTH
4 531	D89-8	15.63	.456	24.2	.71	65.08 - 65.98	0.9
4 532	"	5.81	.169	12.6	.37	65.98 - 66.40	0.4
4 533	"	.03	.001	1.7	.05	66.40 - 67.00	0.6
4 534	"	.02	.001	1.6	.05	67.00 - 68.00	1.0
4 535	"	.40	.012	2.2	.06	68.00 - 69.25	1.2
4 536	"	.02	.001	1.4	.04	80.40 - 80.85	0.4
4 537	D89-7	.19	.006	2.0	.06		
4 538		.05	.001	1.1	.03		
4 539		.16	.005	0.6	.02		
4 540		.08	.002	1.8	.05		
4 541		.14	.004	1.7	.05		
4 542		1.78	.052	3.2	.09		
4 543		.04	.001	1.7	.05		
4 544		.01	.001	1.4	.04		
4 545		.40	.012	15.6	.46		
4 546		1.39	.041	1.3	.04		
4 547		1.38	.040	17.7	.52		
4 548		.02	.001	0.7	.02		
4 549		.02	.001	2.0	.06		
4 550		.19	.006	2.2	.06		
4 551	D89-9	3.60	.105	4.9	.14		
4 552		.03	.001	2.1	.06		
4 553		.20	.006	2.6	.08		
4 554		1.32	.039	36.8	1.07		
4 555		.02	.001	3.9	.11		
4 556		.08	.002	2.4	.07		
4 557		.01	.001	0.7	.02		
4 558		.02	.001	1.9	.06		
4 559		.01	.001	0.3	.01		
4 560		.02	.001	1.7	.05		
4 561		.07	.002	2.2	.06		
4 562		.04	.001	1.7	.05		
4 563		.02	.001	1.0	.03		

*AU - 1 ASSAY TON.

MIN-EN LABORATORIES [redacted].

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-962

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

9S-0353-RA1

Company: MPD CONSULTANTS INC.
Project: DOME
Attn: S.KELLEY

Date: DEC-27-89
Copy 1. MPD CONSULTANTS INC., OAKVILLE, ONT.
2. MPD CONSULTANTS INC., C/O MIN-EN LABS.

We hereby certify the following Assay of 9 ROCK samples submitted DEC-19-89 by A.L'ORSA.

D89-10

Sample Number	*AU G/TONNE	*AU OZ/TON	AG G/TONNE	AG OZ/TON	
4564	1.85	.054	2.1	.06	
4565	.18	.005	1.7	.05	
4566	.04	.001	0.2	.01	
4567	.17	.005	1.8	.05	
4568	5.44	.159	28.2	.82	
4569	.78	.023	12.1	.35	
4570	.81	.024	14.3	.42	
4571	.03	.001	1.1	.03	
4572	.04	.001	0.2	.01	
4573	.02	.001	1.9	.06	
4574	.03	.001	1.4	.04	D89-11
4575	2.23	.065	60.3	1.76	
4576	1.16	.034	51.9	1.51	
4577	.26	.008	2.2	.06	
4578	.02	.001	1.1	.03	D89-12
4579	.03	.001	1.8	.05	
4580	2.19	.064	12.7	.37	D89-13
4581	.10	.003	1.4	.04	
4582	.22	.006	0.9	.03	
4583	.09	.003	0.7	.02	
4584	.14	.004	4.1	.12	
4585	.30	.009	14.2	.41	
4586	2.52	.074	56.7	1.65	
4587	5.06	.148	54.3	1.58	
4588	1.06	.031	3.8	.11	
4589	.02	.001	1.0	.03	
4590	.10	.003	0.2	.01	D89-14
4591	16.79	.490	49.9	1.46	
4592	.60	.018	8.1	.24	

*AU - 1 ASSAY TON

Certified by [signature]

MIN-EN LABORATORIES

COMP: MPD CONSULTANTS INC.
PROJ: DOME MOUNTAIN
ATTN: S.KELLEY

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0339-RJ1
DATE: NOV-30-89
* TYPE ROCK GEOCHEM * (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	SN PPM	W PPM	CR PPM
4428 D89-1	154.9	770	1781	11	16	.3	3	28520	659.9	20	8660	82840	430	1	11080	3642	28	50	1	200	670	2377	8	1	1	9.2	35609	1	4	2	66
4427 "	25.8	670	217	5	11	.4	11	20580	645.3	18	2049	41430	340	1	8140	2944	33	40	5	200	688	162	8	1	1	6.7	39402	1	3	2	112
4429 D89-5	109.9	780	1248	4	7	.1	7	2700	354.7	12	4802	45400	360	1	1970	1525	11	60	2	80	595	324	8	1	1	4.0	29260	1	1	1	97
4430 "	111.4	1350	1892	16	15	.4	43	12310	1117.1	26	5880	78400	760	1	6160	5875	20	60	13	310	2209	175	17	1	1	7.5	88573	1	3	1	52
4431 D89-6	309.7	900	1636	26	12	.1	49	8420	1591.7	31	10497	122390	510	1	3700	3370	25	40	1	240	2374	928	26	1	1	6.5	127423	1	3	4	42
4432 "	285.7	970	13151	18	10	.1	56	10540	1424.3	30	5171	148810	450	1	4000	2339	14	30	1	180	10732	801	24	1	1	6.3	79143	1	2	1	61
4433 "	253.2	700	22321	18	8	.1	38	3770	1575.1	28	4532	101830	390	1	1660	1190	18	30	1	180	5718	855	16	1	1	4.7	99097	2	3	1	82

D89-6

SAMPLE NUMBER	AS PPM	CU PPM	K PPM	PB PPM	SB PPM	ZN PPM
4434	334	50	2700	74	7	401
4435	38	37	2340	67	18	135
4436	195	51	3270	116	2	497
4437	072	372	3230	346	22	6728
4438	141	5142	2380	650	206	75610
4439	206	210	2490	77	7	1064
4440	1	210	3500	45	1	197
4441	1	440	3400	78	3	94
4442	546	1784	2470	597	242	12096
4443	1	13	2690	57	1	167
4444	412	412	1080	281	32	5039
4445	81	112	2990	101	5	1034

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	SN PPM	W PPM	CR PPM
44 47	1.2	1220	9	1	15	.1	2	70160	2.0	7	16	18840	310	1	3880	1027	2	340	8	190	17	1	8	3	1	6.9	179	1	1	1	40
44 48	.2	4100	1	1	58	.3	3	27230	1.9	9	21	33340	920	2	8990	961	5	480	5	290	29	1	7	1	1	15.4	74	1	1	1	88
44 49	.4	3190	1	1	6	.4	7	43480	2.3	14	10	48160	100	6	20630	1294	11	480	6	400	52	2	61	1	1	63.9	105	1	1	1	26
44 50	.5	1970	3	1	7	.2	4	20520	2.2	9	22	30150	200	2	11160	834	5	570	6	410	32	1	39	1	1	40.9	75	1	1	1	38
44 51	6.6	2280	1	1	17	.4	6	63240	6.4	15	282	52870	430	2	23400	2303	12	390	28	760	61	18	105	1	1	45.7	122	1	2	1	53
44 52	1.7	3460	1	1	70	.5	7	73660	5.5	19	81	44950	1470	1	28080	1848	14	170	19	600	69	12	176	1	3	22.6	132	1	2	1	17

D89-5

SAMPLE NUMBER	AS PPM	CU PPM	PB PPM	ZN PPM	SB PPM	K PPM
44 53	1	100	101	170	7	2260
44 54	413	937	901	10908	44	1330
44 55	813	477	147	7200	23	1560
44 56	3919	411	1081	18264	22	1680
44 57	1	12	62	212	2	2320
44 58	49	131	195	3849	11	2560
44 59	116	98	133	521	5	2280
44 60	219	383	253	5272	16	1910
44 61	1	36	151	341	5	2320
44 62	212	315	194	8245	26	2090
44 63	71	207	105	2346	22	1850
44 64	3	386	528	7533	44	2110
44 65	1	141	169	2849	31	1790
44 66	1	19	90	204	9	1330

COMP: MPD CONSULTANTS INC.
PROJ: DOME MTN.
ATTN: S.KELLEY

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0345-R
DATE: DEC-0
* TYPE ROCK GEOCHEM * (ACT:

SAMPLE NUMBER	AS PPM	CU PPM	K PPM	PB PPM	SB PPM	ZN PPM
4 501	23	73	1330	45	2	1151
4 502	48	97	2010	94	10	1247
4 503	26	27	2420	49	7	58
4 504	14	10	2480	46	4	57
4 505	238	51	2390	76	8	554
4 506	3437	247	2130	125	11	7706
4 507	941	46	2540	50	5	67
4 508	349	28	2760	63	3	273
4 509	1	20	3090	46	2	77
4 510	103	37	2500	68	7	245
4 511	1	836	1390	127	9	8797
4 512	1	100	2460	77	2	1059
4 513	4	187	2160	74	3	4217
4 514	18	58	3030	61	1	100
4 515	26	105	2210	296	1	89
4 516	35	295	2020	667	1	42
4 517	25	152	2120	509	1	60
4 518	23	227	2000	108	1	69
4 519	23	146	1630	39	1	99
4 520	18	102	1830	57	6	92
4 521	21	264	1840	60	1	50
4 522	14	32	1890	46	3	82
4 523	56	10	1170	18	1	23
4 524	39	15	2030	42	1	66
4 525	25	7	1360	42	1	63
4 526	27	3	2030	27	1	58
4 527	445	3322	1050	3303	158	5293
4 528	111	2100	2150	177	32	208
4 529	274	15056	710	11703	235	16414
4 530	77	10629	910	12708	130	12240
4 531	19	4750	1370	178	18	190
4 532	13	1519	1160	213	3	179
4 533	26	49	1240	54	1	226
4 534	1	17	1160	92	10	442
4 535	1	51	1550	57	1	149
4 536	1	7	1370	75	4	436

SAMPLE NUMBER	AS PPM	CU PPM	K PPM	PB PPM	SB PPM	ZN PPM
4 537	7	16	950	53	1	79
4 538	1	7	1370	62	4	91
4 539	1	5	1410	49	1	107
4 540	1	9	1860	63	2	132
4 541	1	15	1820	65	5	396
4 542	13	80	1620	49	8	129
4 543	1	13	1930	67	4	106
4 544	1	4	2210	44	1	149
4 545	8	897	1960	450	10	1738
4 546	1	54	2040	60	1	684
4 547	20	1354	1960	259	122	364
4 548	1	14	2210	53	5	156
4 549	1	309	2410	52	4	97
4 550	1	112	1980	55	4	128
4 551	81	1830	1760	67	9	116
4 552	33	33	1690	43	2	65
4 553	6	50	1890	50	4	155
4 554	43	2501	1390	594	26	223
4 555	1	200	2150	89	8	118
4 556	1	16	2590	56	4	118
4 557	13	6	2190	47	2	100
4 558	8	73	1930	104	23	493
4 559	22	15	2120	44	7	99
4 560	16	41	1840	70	6	140
4 561	15	1637	2080	42	9	107
4 562	30	140	2030	43	5	120
4 563	14	11	2040	94	4	112

D89-3
D89-4
D89-8
D89-7
D89-9

MIN
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LABORATORIES

SPECIALISTS IN MINERAL ENVIRONMENTS
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TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

OS-0004-RA1

Company: MPD CONSULTANTS INC.
Project: DOME
Attn: S.KELLEY

Date: JAN-19-90

Copy 1. MPD CONSULTANTS INC., OAKVILLE, ONT.
2. MPD CONSULTANTS INC., C/O MIN-EN LABS

We hereby certify the following Assay of 28 CORE samples submitted JAN-15-90 by A.L'ORSA.

D90 - 1
D90 - 2 (4 more)

Sample Number	*AU G/TONNE	*AU OZ/TON	AG G/TONNE	AG OZ/TON
4616	.14	.004	1.0	.03
4617	2.06	.060	6.3	.18
4618	.22	.006	1.0	.03
4619	3.12	.091	4.0	.12
4620	12.93	.377	55.2	1.61
4621	.94	.027	4.2	.12
4622	1.08	.032	3.7	.11
4623	.13	.004	1.2	.04
4624	.05	.001	0.8	.02
4625	.02	.001	0.3	.01
4626	.17	.005	0.6	.02
4627	.18	.005	2.1	.06
4628	.06	.002	0.6	.02
4629	.11	.003	0.2	.01
4630	6.78	.198	22.0	.64
4631	.19	.006	0.9	.03
4632	.13	.004	1.6	.05
4633	.11	.003	3.4	.10
4634	.42	.012	3.2	.09
4635	.20	.006	3.5	.10
4636	13.95	.407	42.0	1.23
4637	.18	.005	2.0	.06
4638	.18	.005	1.7	.05
4639	.19	.006	4.2	.12
4640	.35	.010	2.2	.06
4641	.20	.006	2.4	.07
4642	7.65	.223	26.1	.76
4643	.18	.005	1.2	.04

*AU - 1 ASSAY TON

Certified by

MIN-EN LABORATORIES

MIN-EN LABORATORIES

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1
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TELEX: VIA U.S.A. 7601067 • FAX (604) 98C

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

OS-0007-RA1

Company: MPD CONSULTANTS INC.
Project: DOME
Attn: S.KELLEY

Date: JAN-24-

Copy 1. MPD CONSULTANTS INC., OAKVILLE, ONT.
2. MPD CONSULTANTS INC., C/O MIN-EN LABS.

We hereby certify the following Assay of 28 CORE samples submitted JAN-18-90 by A.L'ORSA.

D90-2
D90-3

Sample Number	*AU G/TONNE	*AU OZ/TON	AG G/TONNE	AG OZ/TON
4644	.02	.001	1.7	.05
4645	.01	.001	1.4	.04
4646	.12	.004	0.9	.03
4647	.02	.001	1.4	.04
4648	.02	.001	2.5	.07
4649	.24	.007	4.3	.13
4650	6.62	.193	54.2	1.58
4651	.18	.005	2.4	.07
4652	.81	.024	2.3	.07
4653	.13	.004	11.4	.33
4654	.04	.001	2.3	.07
4655	.27	.008	2.7	.08
4656	.02	.001	0.6	.02
4657	.04	.001	1.3	.04
4658	.03	.001	0.7	.02
4659	.02	.001	1.0	.03
4660	.40	.012	1.6	.05
4661	.41	.012	1.5	.04
4662	.17	.005	2.0	.06
4663	7.63	.223	19.9	.58
4664	.01	.001	1.7	.05
4665	.02	.001	1.2	.04
4666	.41	.012	7.8	.23
4667	.05	.001	1.6	.05
4668	14.52	.424	85.0	2.48
4669	.02	.001	0.8	.02
4670	.07	.002	0.6	.02
4671	.79	.023	4.2	.12

*AU - 1 ASSAY TON

Certified by Eric Imrie

MIN-EN LABORATORIES

ECTRE AND LABORATORIES
[illegible] STREET, NORTH VANCOUVER, B.C.
CANADA V7M 1T2
PHONE: (604) 980-5814 (604) 988-45
TELEX: [illegible]
FAX: (604) 980-9

MIN-EN LABORATORIES
SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-98

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9696

Assay Certificate

OS-0008-RA1

Company: MPD CONSULTANTS INC.
Project: DOME
Attn: S.KELLEY

Date: JAN-24-90

Copy 1. MPD CONSULTANTS INC., OAKVILLE, ONT.
2. MPD CONSULTANTS INC., C/O MIN-EN LABS.

We hereby certify the following Assay of 17 CORE samples submitted JAN-19-90 by A.L'ORSA.

Sample Number	*AU G/TONNE	*AU OZ/TON	AG G/TONNE	AG OZ/TON
4672	.01	.001	0.7	.02
4673	.04	.001	1.0	.03
4674	.02	.001	1.8	.05
4675	.02	.001	1.7	.05
4676	.01	.001	1.4	.04
4677	.04	.001	8.5	.25
4678	2.08	.061	14.2	.41
4679	.01	.001	1.9	.06
4680	.01	.001	3.7	.11
4681	.81	.024	3.8	.11
4682	.16	.005	2.4	.07
4683	.18	.005	1.2	.04
4684	.14	.004	1.6	.05
4685	.22	.006	1.5	.04
4686	.02	.001	0.3	.01
4687	1.92	.056	7.0	.20
4688	.02	.001	0.8	.02

*AU - 1 ASSAY TON

Certified by [signature]

MIN
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SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
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TELEX: VIA U.S.A. 7601087 • FAX (604) 980-96

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

OS-0011-RA1

Company: MPD CONSULTANTS INC.
Project: DOME
Attn: S.KELLEY

Date: JAN-25-9

Copy 1. MPD CONSULTANTS INC., OAKVILLE, ONT.
2. MPD CONSULTANTS INC., C/O MIN-EN LABS.

D90-7

We hereby certify the following Assay of 28 ROCK samples submitted JAN-22-90 by A.L'ORSA.

Sample Number	*AU G/TONNE	*AU OZ/TON	AG G/TONNE	AG OZ/TON
4689	1.92	.056	6.4	.19
4690	.84	.025	0.5	.01
4691	.08	.002	2.1	.06
4692	14.35	.419	150.5	4.39
4693	8.64	.252	18.5	.54
4694	.26	.008	2.2	.06
4695	.03	.001	2.1	.06
4696	.36	.011	2.4	.07
4697	.02	.001	2.2	.06
4698	1.93	.056	6.2	.18
4699	31.55	.920	216.0	6.30
4700	52.05	1.518	128.0	3.73
4701	2.82	.082	8.1	.24
4702	.20	.006	4.0	.12
4703	1.41	.041	3.8	.11
4704	2.59	.076	13.7	.40
4705	.07	.002	2.3	.07
4706	1.70	.050	10.3	.30
4707	2.93	.085	34.0	.99
4708	3.10	.090	12.2	.36
4709	10.05	.293	29.4	.86
4710	7.24	.211	18.3	.53
4711	.12	.004	1.7	.05
4712	.42	.012	2.3	.07
4713	.06	.002	2.0	.06
4714	.02	.001	2.5	.07
4715	.04	.001	2.1	.06
4716	.02	.001	3.8	.11

*AU - 1 ASSAY TON

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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9986

Assay Certificate

OS-0013-RA1

Company: M.P.D.CONSULTANTS INC.
Project: DOME
Attn: S.KELLEY

Date: JAN-26-9

Copy 1. MPD CONSULTANTS INC., OAKVILLE, ONT.
2. MPD CONSULTANTS INC., C/O MIN-EN LABS.

We hereby certify the following Assay of 29 ROCK samples submitted JAN-23-90 by A.L'ORSA.

Sample Number	*AU G/TONNE	*AU OZ/TON	AG G/TONNE	AG OZ/TON
4 717	.06	.002	2.2	.06
4 718	.04	.001	2.0	.06
4 719	1.20	.035	18.0	.53
4 720	.05	.001	4.0	.12
4 721	.03	.001	1.6	.05
4 722	.03	.001	2.2	.06
4 723	.83	.024	8.1	.24
4 724	2.42	.071	20.0	.58
4 725	.20	.006	8.0	.23
4 726	.21	.006	4.1	.12
4 727	.14	.004	0.7	.02
4 728	.20	.006	1.9	.06
4 729	.04	.001	2.0	.06
4 730	.22	.006	4.0	.12
4 731	36.10	1.053	141.0	4.11
4 732	.41	.012	3.5	.10
4 733	.14	.004	2.2	.06
4 734	.20	.006	2.3	.07
4 735	.06	.002	0.2	.01
4 736	.05	.001	0.2	.01
4 737	.19	.006	0.2	.01
4 738	3.43	.100	14.8	.43
4 739	28.60	.834	4.3	.13
4 740	1.30	.038	2.1	.06
4 741	.61	.018	2.0	.06
4 742	.60	.018	1.8	.05
4 743	.39	.011	1.6	.05
4 744	.05	.001	0.3	.01
4 745	.41	.012	1.7	.05

*AU - 1 ASSAY TON.

*Certified by*_____

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TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9696

Assay Certificate

OS-0015-RA1

Company: MPD CONSULTANTS
Project: DOME
Attn: S.KELLEY/A.L'ORSA

Date: JAN-29-90

Copy 1. MPD CONSULTANTS, OAKVILLE, ONT.
2. MPD CONSULTANTS, C/O MIN-EN LABS.

We hereby certify the following Assay of 20 ROCK samples submitted JAN-25-90 by A.L'ORSA.

Sample Number	*AU G/TONNE	*AU OZ/TON	AG G/TONNE	AG OZ/TON
4 746	.14	.004	0.2	.01
4 747	.03	.001	0.1	.01
4 748	.01	.001	0.2	.01
4 749	.04	.001	0.1	.01
4 750	.02	.001	0.2	.01
4 751	.02	.001	2.0	.06
4 752	.15	.004	4.3	.13
4 753	10.30	.300	167.0	4.87
4 754	.22	.006	4.1	.12
4 755	.11	.003	1.8	.05
4 756	.06	.002	1.0	.03
4 757	.20	.006	1.9	.06
4 758	.24	.007	2.0	.06
4 759	.08	.002	2.2	.06
4 760	.20	.006	2.5	.07
4 761	.11	.003	1.3	.04
4 762	1.41	.041	1.5	.04
4 763	57.05	1.664	127.0	3.70
4 764	.40	.012	3.8	.11
4 765	.03	.001	1.7	.05

*AU - 1 ASSAY TON.

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TIMMINS OFFICE:
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P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9898

Assay Certificate

OS-0016-RA1

Company: MPD CONSULTANTS INC.
Project: DOME
Attn: S.KELLEY

Date: JAN-29-90

Copy 1. MPD CONSULTANTS INC., OAKVILLE, ONT.
2. MPD CONSULTANTS INC., C/O MIN-EN LABS.

We hereby certify the following Assay of 16 ROCK samples submitted JAN-25-90 by A.L'ORSA.

Sample Number	*AU G/TONNE	*AU OZ/TON	AG G/TONNE	AG OZ/TON
4 766	.12	.004	0.7	.02
4 767	17.42	.508	36.9	1.08
4 768	5.09	.148	10.1	.29
4 769	.19	.006	0.4	.01
4 770	1.18	.034	7.8	.23
4 771	32.90	.960	99.0	2.89
4 772	.67	.020	6.2	.18
4 773	1.05	.031	4.1	.12
4 774	.28	.008	2.7	.08
4 775	.86	.025	7.3	.21
4 776	77.65	2.265	88.1	2.57
4 777	38.36	1.119	61.0	1.78
4 778	17.58	.513	71.3	2.08
4 779	22.18	.647	124.5	3.63
4 780	24.78	.723	104.6	3.05
4 781	.26	.008	0.8	.02

*AU - 1 ASSAY TON

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TIMMINS OFFICE:
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P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

OS-0018-RA1

Company: MPD CONSULTANTS INC.
Project: DOME
Attn: S.KELLEY

Date: JAN-31-9

Copy 1. MPD CONSULTANTS INC., OAKVILLE, ONT.
2. MPD CONSULTANTS INC., C/O MIN-EN LABS.

We hereby certify the following Assay of 28 ROCK samples submitted JAN-26-90 by A.L'ORSA.

Sample Number	*AU G/TONNE	*AU OZ/TON	AG G/TONNE	AG OZ/TON	
4 782	.01	.001	3.6	.11	D90-11
4 783	21.78	.635	64.5	1.88	
4 784	.64	.019	8.4	.25	
4 785	.01	.001	3.2	.09	
4 786	.01	.001	2.3	.07	
4 787	.02	.001	1.8	.05	
4 788	30.15	.879	36.0	1.05	
4 789	17.50	.510	81.7	2.38	
4 790	6.30	.184	89.8	2.62	
4 791	5.98	.174	48.9	1.43	
4 792	3.08	.090	6.1	.18	
4 793	3.72	.109	13.0	.38	
4 794	2.19	.064	11.1	.32	
4 795	72.30	2.109	47.3	1.38	
4 796	11.88	.347	22.9	.67	
4 797	1.13	.033	6.3	.18	
4 798	.22	.006	2.3	.07	
4 799	.38	.011	8.0	.23	
4 800	.02	.001	1.2	.04	D90-12
4 801	35.70	1.041	183.0	5.34	
4 802	.16	.005	18.3	.53	
4 803	2.43	.071	18.4	.54	
4 804	.01	.001	1.1	.03	
4 805	.02	.001	1.7	.05	
4 806	.44	.013	6.1	.18	
4 807	12.22	.356	85.3	2.49	
4 808	.48	.014	10.4	.30	
4 809	.01	.001	0.3	.01	

*AU - 1 ASSAY TON.

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TIMMINS OFFICE:
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P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

OS-0019-RA1

Company: MPD CONSULTANTS INC.
Project: DOME
Attn: S.KELLEY

Date: JAN-31-9

Copy 1. MPD CONSULTANTS INC., OAKVILLE, ONT.
2. MPD CONSULTANTS INC., C/O MIN-EN LABS.

He hereby certify the following Assay of 17 ROCK samples submitted JAN-26-90 by A.L'ORSA.

D90-13

Sample Number	*AU G/TONNE	*AU OZ/TON	AG G/TONNE	AG OZ/TON
4810	20.90	.610	13.8	.40
4811	4.26	.124	9.9	.29
4812	16.78	.489	44.3	1.29
4813	.16	.005	2.7	.08
4814	.92	.027	4.0	.12
4815	.11	.003	1.0	.03
4816	10.57	.308	16.2	.47
4817	.02	.001	2.2	.06
4818	.04	.001	2.1	.06
4819	.38	.011	2.7	.08
4820	6.33	.185	18.5	.54
4821	.18	.005	1.4	.04
4822	.02	.001	2.6	.08
4823	1.25	.036	17.6	.51
4824	.20	.006	6.1	.18
4825	3.20	.093	6.3	.18
4826	.23	.007	4.1	.12

*AU - 1 ASSAY TON.

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TIMMINS OFFICE:
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P.O. BOX 987
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9966

Assay Certificate

OS-0023-RA1

Company: MPD CONSULTANTS INC.
Project: DOME
Attn: S.KELLEY

Date: FEB-01-90
Copy 1. MPD CONSULTANTS INC., OAKVILLE, ONT.
2. MPD CONSULTANTS INC., C/O MIN-EN LABS.

We hereby certify the following Assay of 31 ROCK samples submitted JAN-30-90 by A.L'ORSA.

D90 - 14

Sample Number	*AU G/TONNE	*AU OZ/TON	AG G/TONNE	AG OZ/TON
4827	4.08	.119	10.3	.30
4828	.01	.001	0.2	.01
4829	.02	.001	0.3	.01
4830	.02	.001	0.2	.01
4831	.02	.001	0.2	.01
4832	7.72	.225	6.5	.19
4833	.16	.005	0.2	.01
4834	.19	.006	2.4	.07
4835	3.18	.093	2.6	.08
4836	.02	.001	0.5	.01
4837	2.93	.085	98.2	2.86
4838	.38	.011	1.6	.05
4839	.11	.003	0.6	.02
4840	.03	.001	0.3	.01
4841	9.93	.290	12.4	.36
4842	2.09	.061	4.0	.12
4843	.02	.001	0.2	.01
4844	.01	.001	0.2	.01
4845	4.93	.144	63.0	1.84
4846	.02	.001	0.2	.01
4847	.18	.005	0.3	.01
4848	.01	.001	0.2	.01
4849	.03	.001	0.2	.01
4850	.69	.020	0.2	.01
4851	11.05	.322	24.0	.70
4852	4.19	.122	54.2	1.58
4853	.58	.017	0.3	.01
4854	.20	.006	0.2	.01
4855	.22	.006	0.4	.01
4856	1.54	.045	13.6	.40
4857	.69	.020	1.5	.04

4857 - Grab. S. of ORO M.C.

*AU - 1 ASSAY TON

Certified by _____

MIN-EN LABORATORIES

COMP: MPD CONSULTANTS INC.
PROJ: DOME
ATTN: S.KELLEY

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 05-0004-RJ1
DATE: JAN-19-90
* TYPE ROCK GEOCHEM * (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	SN PPM	W PPM	CR PPM
4620	49.0	2020	10964	10	18	.3	17	7810	1153.6	18	2334	79840	1020	1	3860	2855	15	60	3	280	2050	171	17	1	1	8.8	84154	3	2	6	132
4630	19.3	2330	5355	5	22	.4	22	12020	211.8	10	431	49110	1210	1	7630	8538	8	70	15	200	600	49	16	1	1	11.5	10674	5	1	3	131
4642	24.2	2370	242	5	13	.4	14	34960	238.4	18	1713	56420	610	2	14090	2476	10	40	60	250	106	140	17	1	1	21.2	16030	3	1	5	141

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	SN PPM	W PPM	CR PPM
4650	51.7	3000	7621	7	30	.5	11	17020	606.2	18	1507	54570	1060	2	5870	3456	14	130	16	310	3150	183	33	1	1	9.2	41180	3	1	1	133
4663	19.9	7500	726	3	38	.6	27	39510	130.3	13	422	49430	1610	6	15680	6434	10	140	26	470	285	24	43	1	1	20.3	6967	3	1	2	67
4668	81.2	3500	6049	9	31	.5	25	25700	707.3	22	2877	73630	1640	1	9920	8212	17	100	21	530	1400	441	36	1	2	11.8	49310	4	2	1	83
4678*	14.5	10550	124	3	82	.6	13	110940	194.8	16	814	38910	670	12	23990	3477	18	60	51	360	2980	142	116	1	1	53.6	8825	2	1	4	184
4687*	6.9	3950	572	4	31	.4	8	28870	117.8	12	321	47360	1060	3	11540	2968	10	140	8	290	345	33	16	1	1	12.6	5811	2	1	2	145

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	SN PPM	W PPM	CR PPM
4692	126.0	3140	448	11	8	.5	22	5120	1144.5	12	2870	29150	480	3	4100	554	19	70	29	210	3964	370	16	1	1	13.2	71160	2	1	4	303
4693	17.9	10340	369	6	33	.8	15	21060	342.5	18	1088	54190	2310	7	11370	2786	11	50	48	530	610	37	24	1	1	39.9	18336	3	1	3	248
4699	184.1	3540	515	28	24	.9	74	30650	970.9	21	9089	76610	1560	2	13690	2980	18	80	77	300	3837	811	27	1	1	20.0	66990	3	2	3	244
4700	106.2	2200	439	9	20	.6	78	11950	568.7	25	4633	79720	590	2	6350	949	11	20	87	180	5715	387	16	1	1	12.2	31913	2	1	4	219
4708	11.9	1470	180	3	15	.3	7	5270	115.0	5	715	14540	740	1	2670	597	8	50	32	120	264	118	5	1	1	7.8	6286	1	1	2	365
4709	26.5	1230	445	3	7	.4	29	6830	26.3	13	1380	54580	380	1	3740	520	19	40	35	90	389	181	6	1	1	7.4	1532	2	1	1	242
4710	17.2	2760	92	2	14	.3	49	11360	28.6	6	1374	25920	450	3	6620	1125	8	50	17	100	347	41	8	1	1	11.6	1285	2	1	1	231

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	SN PPM	W PPM	CR PPM
4 719	14.3	11380	59	3	62	.7	12	65480	332.3	16	1455	33880	840	11	15050	4932	14	60	108	320	95	10	32	1	1	38.4	17394	4	2	5	153
4 731	108.4	1780	103	5	13	.4	161	9340	188.6	14	9690	73770	610	2	5530	754	20	40	16	110	2080	25	10	1	1	9.1	10223	1	1	3	77
4 738	14.8	990	155	3	16	.3	11	12260	5.3	5	2685	29680	460	1	5050	1187	4	70	5	120	59	124	10	1	1	5.2	288	1	1	2	156
4 741	1.8	5030	107	2	40	.5	7	24800	7.7	13	217	42620	1520	3	11520	2767	5	190	9	620	75	1	16	1	1	17.7	380	2	1	1	56

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	SN PPM	W PPM	CR PPM
4 753	132.8	1240	559	10	13	.7	69	15450	773.2	26	4822	126200	740	1	8440	1951	11	30	35	250	6721	491	43	1	1	11.3	41330	3	2	8	67
4 763	112.0	830	29260	12	7	.8	64	12640	1082.5	27	20583	116590	370	1	5710	1855	17	60	22	10	1277	220	24	1	1	9.1	75245	3	2	1	77
4 764	2.8	4180	242	2	502	.8	10	35630	35.1	17	199	46180	1790	2	15620	3090	6	120	32	540	75	9	27	1	1	33.3	2051	2	1	1	30

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	SN PPM	W PPM	CR PPM
4 767	37.0	250	2201	9	2	.5	36	7250	809.9	23	1800	97840	180	1	3390	535	11	10	1	110	1115	19	19	1	1	4.0	46247	2	1	9	91
4 771	92.7	7270	1019	7	21	.8	50	22180	407.3	44	5802	165390	1630	6	12200	3156	8	20	62	270	1202	69	17	1	1	26.9	21232	4	2	5	74
4 772	5.8	10360	59	2	24	1.0	11	85250	94.1	14	780	49930	1570	10	29640	10509	12	30	78	580	124	15	30	1	1	35.2	4678	4	1	3	83
4 775	7.1	9270	983	1	40	.9	11	54390	65.4	29	468	53970	1580	9	24940	6471	9	30	148	710	204	35	20	1	1	33.5	2991	3	1	2	99
4 776	88.5	1510	568	8	7	.5	61	1310	478.2	23	6374	80520	410	2	2180	770	13	10	23	10	163	21	11	1	1	7.4	33296	2	1	6	117
4 777	60.5	2860	767	10	1	.6	1	260	875.2	20	11838	120280	140	4	2280	215	12	10	1	10	242	35	15	1	1	14.3	65120	2	2	1	98
4 778	64.7	1960	1009	4	11	.5	3	1130	355.7	14	4730	46240	490	2	1830	136	11	20	31	40	361	387	9	1	1	10.7	24346	1	1	5	133
4 779	108.1	400	1904	5	3	.7	42	10000	79.0	19	6343	101280	200	1	4570	742	7	10	4	10	3272	779	12	1	1	4.9	3713	2	1	2	105
4 780	94.5	1150	989	6	13	.5	120	7480	22.3	26	12449	137000	580	1	3190	780	7	30	1	10	1231	289	12	1	1	5.7	1252	2	1	1	76

COMP: MPD CONSULTANTS
PROJ: DONE
ATTN: S.KELLEY

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0018-RJ1
DATE: JAN-31-90
* TYPE ROCK GEOCHEM * (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	SN PPM	W PPM	CR PPM
4 783	57.4	1930	172	4	10	.6	29	24500	240.3	13	869	39850	590	2	11510	1487	6	40	32	250	3423	147	33	1	1	14.4	11470	3	1	4	142
4 788	31.0	860	358	3	10	.5	48	24610	106.0	14	1577	36710	450	1	9970	3276	12	30	42	140	417	153	14	1	1	15.9	6229	3	1	3	139
4 789	73.7	1330	965	3	17	.8	51	38330	146.4	14	3997	53950	680	1	14320	3565	11	40	33	170	2027	553	29	1	1	17.6	8092	4	2	3	132
4 790	75.9	930	1597	3	13	.5	3	7350	22.5	13	5751	61830	500	1	3370	614	8	40	3	10	408	1403	11	1	1	9.2	1231	2	1	2	145
4 791	45.8	1670	700	3	26	.7	28	9430	4.3	19	2170	72480	870	1	4000	989	5	60	7	140	1684	565	11	1	1	12.1	425	2	1	2	156
4 792	5.3	3670	283	3	54	.7	9	11470	.1	21	207	57310	1850	1	4690	1781	11	110	16	290	201	26	12	1	1	14.0	81	2	1	1	121
4 793	11.7	2230	216	2	34	.5	12	3800	.1	15	419	39780	1100	1	1720	459	5	80	5	190	460	95	7	1	1	10.2	120	1	1	1	190
4 794	9.9	1460	199	2	22	.2	7	4480	3.0	8	487	27750	760	1	2030	570	11	60	5	100	324	111	6	1	1	7.6	289	1	1	2	225
4 795	44.4	1260	599	18	19	.6	18	10240	12.3	15	1889	52910	670	1	4180	1076	13	90	5	110	1217	446	10	1	1	10.3	699	2	1	2	190
4 796	20.2	1550	368	2	25	.5	11	8160	4.5	10	952	41460	820	1	3340	1082	14	60	4	130	536	198	8	1	1	7.9	374	2	1	2	179
4 797	6.1	2840	234	2	46	.8	9	17250	.1	16	339	57220	1450	1	6540	2867	9	80	7	370	130	38	11	1	1	12.3	114	3	1	1	142
4 801	161.2	1730	662	4	4	.6	43	8250	285.8	10	4516	63080	220	1	3700	423	9	20	9	60	8966	837	15	1	1	12.9	15422	2	2	15	162
4 803	18.2	8540	487	1	51	1.3	27	77360	53.2	35	870	54210	1870	7	33260	4767	9	60	203	620	287	103	57	2	1	48.5	2646	6	2	3	117
4 807	84.5	2880	1007	4	41	1.0	59	25590	89.3	23	3319	88260	1340	1	12060	1905	8	90	24	330	2922	310	30	1	1	20.2	4105	4	2	2	116

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	SN PPM	W PPM	CR PPM
4 810	13.6	27670	84	1	154	1.2	40	19740	540.8	20	406	71330	3350	18	16420	1750	7	60	6	580	170	5	143	1	1	55.2	22915	4	1	6	28
4 811	10.0	17530	313	2	67	1.1	22	72420	70.6	37	161	68710	3040	13	26530	5168	7	40	90	560	330	15	26	1	1	63.9	3843	6	2	3	150
4 812	39.5	7450	341	4	22	.8	9	24490	546.5	19	1374	59410	1290	6	9010	1815	14	30	69	290	2960	65	30	1	1	29.6	32905	4	2	9	171
4 816	15.2	9800	293	4	34	1.1	16	43780	445.5	25	1295	76500	1570	7	22630	3517	13	40	137	460	542	23	45	1	1	45.8	24963	5	2	8	142
4 820	18.1	12790	122	1	42	.7	13	52590	113.8	19	1689	42300	780	16	18100	2609	9	60	59	270	216	29	26	1	1	45.9	6004	4	1	4	192
4 822	1.7	7360	62	1	85	1.0	12	90970	4.4	26	26	42630	1780	5	37230	3821	10	70	156	520	52	15	16	1	1	39.6	178	5	1	2	138
4 823	16.5	8880	234	2	44	1.2	15	80530	111.5	34	822	66390	1630	7	32040	7545	13	80	144	520	1232	71	26	1	1	67.7	3722	7	2	3	141
4 824	5.0	10060	76	1	99	.9	11	49980	62.1	21	297	46830	2490	5	21180	4447	7	140	62	590	244	13	25	1	1	37.6	2470	5	1	2	75

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	SN PPM	W PPM	CR PPM
4830	.1	21000	1	3	213	.4	11	45530	1.9	32	71	52180	1170	34	42820	1343	8	130	123	690	21	4	54	1	1	70.4	92	1	1	3	186
4832	6.2	14410	30	1	96	.4	12	56190	68.7	28	421	53900	1790	17	34930	3406	10	50	129	630	980	21	44	1	1	39.9	3096	1	1	3	134
4835	2.6	21230	1	1	537	.5	13	72530	71.6	33	487	54410	1870	22	41030	2568	11	40	171	590	28	9	47	1	1	73.3	2766	1	1	4	183
4838	1.6	9330	24	2	36	.5	15	79610	45.7	30	129	52730	2160	6	39200	4830	9	50	185	570	24	12	43	1	1	40.4	2104	1	1	3	102
4840	.8	20540	1	1	558	.5	11	48990	4.3	24	426	44780	2360	21	34180	2231	9	140	87	720	16	11	42	1	1	58.6	296	1	1	3	103
4841	12.0	2070	69	4	31	.1	10	17080	14.9	7	1165	37190	1000	1	7540	1280	12	70	6	320	340	2	11	1	1	7.6	506	1	1	2	195
4842	4.0	1150	23	2	30	.1	7	11490	35.0	3	379	15060	430	1	5280	1032	6	40	6	170	292	1	8	1	1	5.6	1510	1	1	2	185
4845	55.5	8980	90	2	78	.2	74	28020	47.7	22	1385	63240	2520	6	14660	2657	9	130	30	490	2390	143	22	1	1	20.5	2229	1	1	2	107
4851	20.8	1170	213	2	15	.1	17	2820	5.2	10	2968	40430	570	1	1320	275	6	60	1	40	780	57	5	1	1	3.6	317	1	1	2	198
4852	48.3	2120	377	2	29	.1	69	6220	10.2	14	1967	40470	1010	1	2710	962	12	90	5	110	1150	124	7	1	1	5.8	484	1	1	2	189
4855	.6	4810	46	2	94	.3	10	39760	9.6	14	95	37620	1980	2	15730	3718	7	160	13	440	120	6	21	1	1	14.9	442	2	1	2	78
4856	11.5	7190	102	1	76	.1	13	22320	3.6	15	1864	47350	2450	3	7280	3875	7	200	7	530	202	14	11	1	1	16.2	224	2	1	1	90
4857	1.7	32500	13	5	143	.4	1	57940	.1	15	10463	36170	790	9	6390	2573	40	300	15	590	16	35	58	2	1	151.8	59	4	1	34	100

MIN
• EN
LABORATORIES

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) 988-45
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-96

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

2nd Cut FROM PULPS FEB 1/90

Assay Certificate

OS-0013-PA1

Company: M.P.D.CONSULTANTS INC.
Project: DOME
Attn: S.KELLEY/M.SMIT

Date: FEB-14-9
Copy 1. MPD CONSULTANTS INC., OAKVILLE, ONT.
2. MPD CONSULTANTS INC., C/O MIN-EN LABS.

We hereby certify the following Assay of 1 PULP samples submitted JAN-23-90 by A.L'ORSA.

Second cut from Pulps -

Sample Number	AU g/tonne	AU oz/ton
4738	3.20	.093

Sample Number	AU g/tonne	AU oz/ton
4776	85.00	2.479
4779	22.30	.650

Sample Number	AU g/tonne	AU oz/ton
4788	31.50	.919
4795	69.00	2.013

Certified by _____

MIN-EN LABORATORIES

COMP: MPD CONSULTANTS
PROJ: DONE
ATTN: S.KELLEY/A.L'ORSA

MIN-EN LABS — WHOLE ROCK ANALYSIS

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0011-RP3
DATE: JAN-25-90
* TYPE WHOLE ROCK * (ACT:FIRE)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	S %	LOI %
D90-7 17.3N	18.47	.050	3.19	8.52	.01	3.79	.11	5.95	.23	53.18	.025	.61	.34	4.80
D90-7 8.2N	16.16	.035	2.80	7.95	.01	3.87	.15	4.13	.01	57.62	.035	.64	.09	5.70

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	S %	LOI %
44 46 D89-6 98.30 m Amygdaloidal basalt	14.24	.020	6.53	9.42	2.12	8.22	.16	3.32	.83	43.22	.015	.72	.02	10.00