

32D05NW0023 16 THACKERAY

010

DIAMOND DRILLING

Township: Thackeray

Report No: 16

WORK PERFORMED FOR: Cominco Ltd.

RECORDED HOLDER: SAME AS ABOVE [x]

: OTHER []

<u>CLAIM NO.</u>	<u>HOLE NO.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
L.739009	TEL - 1	71m	Sept/86	(1)
	TEL - 2	150m	Sept/86	(1)
L.738827	TEL - 3	290m	Sept/86	(1)
	TEL - 7	190m	Oct/86	(1)
L.799256	TEL - 4	227m	Sept-Oct/86	(1)
L.739022	TEL - 5	205m	Oct/86	(1)
L.739020	TEL - 6	231m	Oct/86	(1)
L.739008	TEL - 8	99m	Oct/86	(1)
	TEL - 9	65m	Oct/86	(1)
	TEL - 10	108m	Oct/86	(1)
		<u>1636m</u>		

NOTES: (1) #480/86 , #20-87 , #103-87

Drill Hole Record



Property **TELGAR**

District **Cochrane**

Hole No. **TEL-1**

Commenced **September 16, 1986**

Location **Thackeray Twp**

Tests at **50m (-46° to 078°) Hor. Comp.**

Completed **September 18, 1986**

Core Size **BQ**

Corr. Dip

Vert. Comp.

Co-ordinates **1-21/W, 8+87.5 N**

True Brg. **080°**

Logged by **D. J. Kern**

Objective

% Recov. **98%**

Date **September 18, 1986**

Claim **L-739009**

T Brg.

Collar Dip **46°**

Elev.

Length **71.0m**

Hole No. **1** Sheet **1**

Footage - metres		Description	Sample No.	Length	Analysis
From	To				
0	to 2.5	Overburden			
2.5	to 26.6	Pillowed Iron-rich Tholeiitic Basalt: <ul style="list-style-type: none"> - pillows moderately magnetic, at shallow angle to core axis, rarely amygdaloidal - pillow rims are vesicular with pale green to lavender coloured vesicles to 3mm in diameter - veinlets composed of $qtz \pm chl$, horn or earthy hematite or calcite are all very common - includes <ul style="list-style-type: none"> 15.7 to 16.0 Red K-spar perphyritic Syenite at 25° to core axis 17.2 to 18.5 Red Garnet Feldspar Perphyritic Syenite at 40° / core; 3% pyrite - rubble fault zones at 22.1, 26.0, 26.6 			
26.6	to 29.2	'Biphasal' Vesicular Basalt: <ul style="list-style-type: none"> - vesicles usually dark lavender grey, < 1mm dia. and varved; less commonly, a second vesicity exists - pale cream, zoned up to 12mm dia. - rubble fault zone at 27.8 - two subsections, 26.6 to 27.3 and 28.25 to 28.4, are vesically bleached, carbonized and pyritized (to 16% by volume) 			



Drill Hole Record

Property _____ District _____ Hole No. _____
 Commenced _____ Location _____ Tests at _____
 Completed _____ Core Size _____ Corr. Dip _____
 Co-ordinates _____ True Brg. _____ Logged by _____
 Objective _____ % Recov. _____ Date _____

Claim _____
 T Brg. _____
 Collar Dip _____
 Elev. _____
 Length _____
 Hole No. _____ Sheet _____

Feetage	Description	Sample No.	Length	Analysis
From	To			
29.2	to 30.15			
	Coarse Varicillitic Basalt:			
	- Vesicles zoned pink to grey, 2 to 15mm in diameter up to 65% of unit by volume			
	- 10% 3mm yellow/epi/cr amygdalites			
30.15				
	Fault Zone			
30.15	to 31.25			
	'Biphasic' Varicillitic Basalt:			
	- similar to 26.6 to 29.2			
	- abundant grey towards unit base			
31.25	to 33.5			
	Medium to Coarse Varicillitic Basalt:			
	- dissimilar to 29.2 to 30.15			
	- pink-grey siliceous vesicles to 10mm diameter, up to 45% of unit by volume			
	- ubiquitous set of symmetrically zoned grey at 0 to 20°/core axis			
	- basal 20cm of unit is brecciated			
33.5				
	Probable Fault Zone			

Drill Hole Record



Property _____ District _____ Hole No. _____

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

Objective _____ % Recov. _____ Date _____

Footage- From To	Description	Sample No.	Length	Analysis	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
33.5 to 34.7	Highly Altered Varicillitic Basalt with Quartz Veins: - 55% by volume is silicified, lavender-bleached, carbonated varicillitic basalt, highly fractured and up to 20% pyrite; rare sericite stringer - 45% by volume is massive, dirty white quartz veins containing highly pyritised basalt fragments - upper 15cm of unit contains several sheared syenite veinlets - basal contact at 30° to e.a.										
34.7 to 35.85	Moderately Altered Red/Grey Kspar Perphyritic Syenite: - porphyries up to 1cm long in matrix of gZ/feld/chl, often further silicified - highly fractured; multitude of chl/py stringers cross cut syenite - several gv towards top of unit										
35.85 to 36.55	Moderately Altered Syenite / Moderately to Strongly Altered Varicillitic Basalt: - 65% syenite (as 34.7 to 35.85) by volume - varicillitic basalt as 33.5 to 34.7, pyritised to 30%, lavender coloured, minor silicification - brecciation common, usually chl or carb matrix										
36.55 to 40.1	Partly Altered Varicillitic Basalt: - up to 40% lavender, zoned venules to 10mm diameter in chloritic matrix - alteration similar to 33.5 to 34.7 (brecciated, pyritised to 20%, lavender bleaching, minor										

Drill Hole Record



Property _____ District _____ Hole No. _____

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

Objective _____ % Recov. _____ Date _____

Claim _____

T Brg. _____

Collar Dip _____

Elev. _____

Length _____

Hole No. 1 Sheet 4

Footage From To	Description	Sample No.	Length	Analysis
	silicification) but restricted to discrete zones no wider than 30cm			
40.1 to 41.25	Massive, Broadly Mottled Tholeiitic Basalt: - non-magnetic to strongly magnetic; multitude of tiny carb lgtz veinlets with minor py			
41.25 to 49.25	Massive, strongly Magnetic, Hematite-rich, Phyric Basalt: - f.gr. eudialyte feldspars to 2mm long in massive, hematitic matrix - minor quartz veining			
49.25 to 50.1	Highly Altered, Brecciated Variclitic Basalt: - only occasional lavender verucle to 4mm is recognizable - most of variclitic material in coalesced bands, now as silicified, pyritized (7%) tabular fragments to 5cm - abundant gv, qv to 5mm			
50.1 to 54.35	Highly Altered, Brecciated Rock: - original textured destroyed; precursor lithology unknown but speculated as rhyolite - unit highly silicified, sericitized and pyritized to 15%; nonmagnetic; brecciated throughout with several highly siliceous 'milled' zones, occasional opaline breccia fragments - qv to 1cm very common; rare syenite veinlet; leucanites in upper 50cm of unit - ore either cherty or flow banding - possible fault zone from 50.85 to 51.25			

Drill Hole Record



Property _____ District _____ Hole No. _____

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

Objective _____ % Recov. _____ Date _____

Claim _____

T Brg. _____

Collar Dip _____

Elev. _____

Length _____

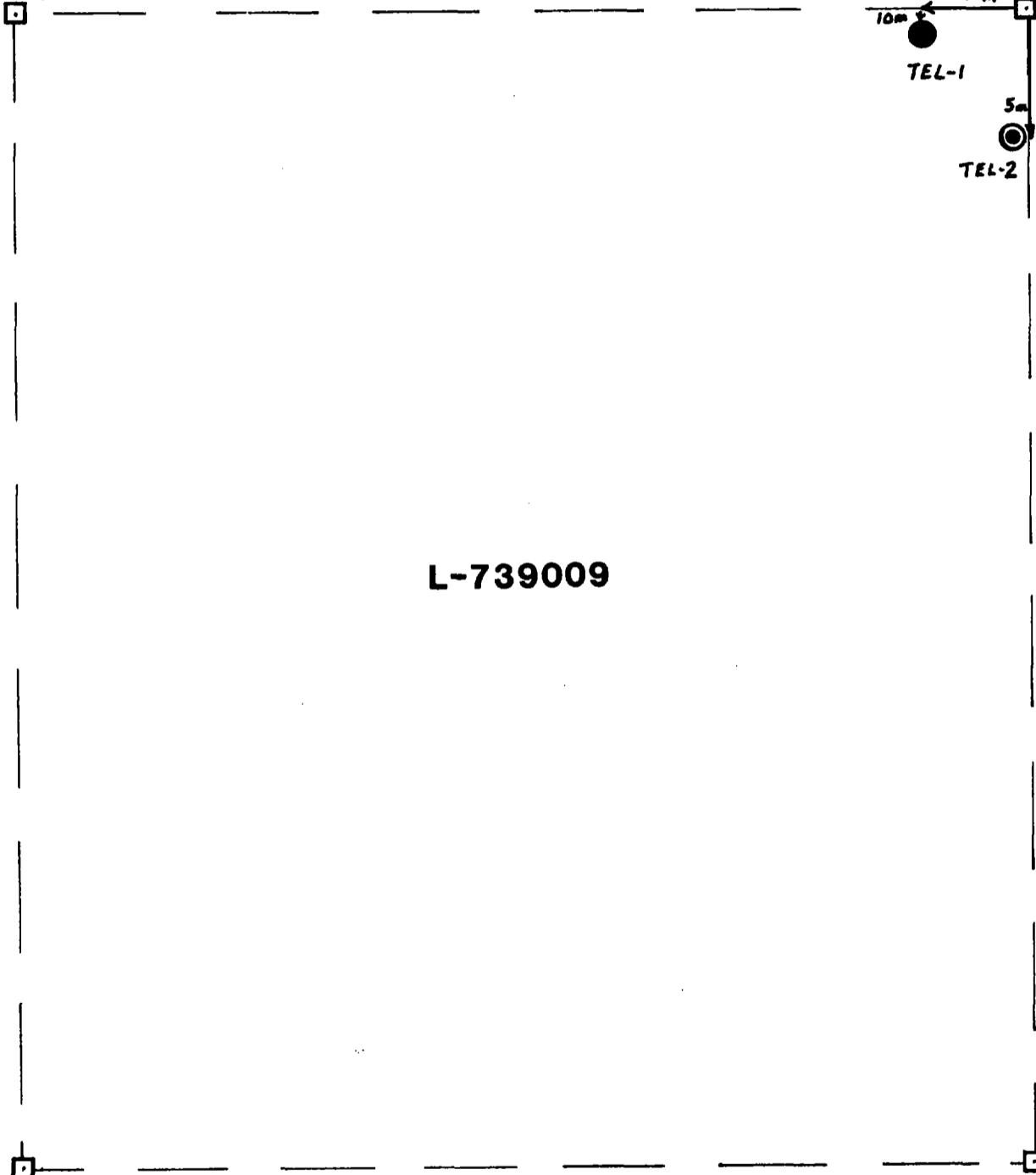
Hole No. 1 Sheet 5

Footage- From To	Description	Sample No.	Length	Analysis
54.35 to 59.55	<p>Servitized Rhyolite :</p> <p>- highly servitized, lime green to highly silicified grey rhyolite with remnant qtz eyes ; brecciation and tiny, clear silice fracture-fills very common</p> <p>- up to 15% pyrite (alteration) ; gv, gsv and chl veils extremely common</p> <p>- altered qz/Ksp/epher syenite dykes at 59.55 to 55.75, 56.65 to 56.15</p> <p>- 58.0 to 58.75 Blue white Quartz vein ; basal contact based on change in alteration style</p>			
59.55 to 65.85	<p>Hematized Rhyolite :</p> <p>- grey to brick red, fractured rhyolite with abundant qz or sparsule-like filled amygdaloides to 4mm</p> <p>- several gv with hem ; minor chl, 2% py, tr. carb</p> <p>- 63.0 to 63.6 white-grey Quartz vein</p>			
65.85 to 71.0	<p>Partly Hematized Rhyolite :</p> <p>- similar to 59.55 to 65.85 but hematization limited to fracture heles, only minor silification ; occasional flow banding or chl/ald amygdaloid evident</p> <p>- mostly unaltered grey, siliceous rhyolite, 2% pyrite</p> <p>- chl sparkles in unaltered rock, carb. checks in hematized rock</p>			
(End of Hole)				



#4 post

#1 post



L-739009



Drawn by:		Traced by:	
Revised by	Date	Revised by	Date

D.D.H.s TEL-1, -2
Location Map

Scale: 1:2500 Date: Plate:

Drill Hole Record



Property **TELGAR**

District **Cochrane**

Hole No. **TEL-2**

Commenced **September 18, 1986**

Location **Thackeray Twp**

Tests at 13m, 52m, 94m, 148m Hor. Comp.

Completed **September 21, 1986**

Core Size **BQ**

Corr. Dip 44°, 42°, 42°, 42° Vert. Comp.

Co-ordinates **1-10+65W, 8+55N**

True Brg. - , 347°, 345°, 352° Logged by **D.J. Kerr**

Objective

% Recov. Date **Sept 26 / 86**

Footage metres From To	Description	Sample No.	Length	Analysis
0 to 1.3	Overburden			
1.3 to 38.55	<p>Pillowed Iron-rich Tholeiitic Basalt:</p> <ul style="list-style-type: none"> - pillows are moderately magnetic, 3e to 15e cm wide with vesicular margins (variscles grey-pink, up to 4mm dia. and often zoned) and hyaline selunges - up to 10% pyrite in hyaloclastic inter-pillow sections; generally just 1 to 2% in massive body of pillow - veinlets to 1cm wide are extremely common, composed of carb ± gtz or earthy hem ± py or chl/cc lgtz/py; most veining at pillow junctures - 14.5 to 15.05 full breccia zone at 20 to 25' level - best altered, brecciated zones at 15.7 to 19.3, 33.1 to 37.8 (silicification, lavender bleaching, 5 to 10% pyrite) - 19.3 to 19.6 Kspgr/Hbl Perphyritic Syenite; 25.8 to 25.8 Kspgr Perphyritic Syenite 			
38.55 to 39.55	<p>Flow Breccia:</p> <ul style="list-style-type: none"> - 35% green/black massive basalt fragments; 55% massive, earthy hematite-rich matrix - 10% carb ± gtz veinlets with py - strongly carbonized; strongly magnetic - 5% pyrite, up to 10% at carb/gtz veinlets 			

Claim **L-739009**
 T Brg. **~ 350°**
 Collar Dip **45°**
 Elev.
 Length **150 m**
 Hole No. **2** Sheet **1**

Drill Hole Record



Property _____ District _____ Hole No. _____

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

Objective _____ % Recov. _____ Date _____

Feetage- From To	Description	Sample No.	Length	Analysis
39.55 to 42.55	Partly Altered Pillowed / Variclitic Tholeiitic Basalt: - original rock quite massive, benedite-rich and strongly magnetic; magnetism destroyed by alteration - alteration is fracture-related, lavender bleaching with attendant silicification and pyritization to 15%; fairly strong carbonatization throughout - 39.75 to 39.9 Kspss. Pyrophyllite Syenite - 3% py, 3% hem; 70% c.a. - 40.05 to 40.3 "Salt & Pyrite" Syenite - 20% c.a.			
42.55 to 43.95	Highly Altered Basalt - Lavender bleaching, Silicification, Pyritization (10-15%), Strong Brecciation; - no original textures; non-magnetic; completely silicified and carbonated (hematite?) - alteration similar to above but pervasive - lower contact at 20' c.a.			
43.95 to 47.65	Variclitic Basalt; - zoned lavender-grey varieties to hem, 30% of unit by volume, calcareous to base - matrix is chi-peper, green/pink, strongly carbonated, mottled on mm to 3mm scale - upper metre of zone shows alteration similar to 42.55 to 43.95 but less intense - 2% pyrite, grey very common			

Claim _____

T Brg. _____

Collar Dip _____

Elev. _____

Length _____

Hole No. _____ Sheet 2

Drill Hole Record



Property _____ District _____ Hole No. _____

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

Objective _____ % Recov. _____ Date _____

Footage From To	Description	Sample No.	Length	Analysis	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
47.65 to 50.0	Massive Hem/Epi-rich Basalt with Vesiculate Base; - brecciated melting of hematite-rich, massive overprint on pistachio-green epidote-bearing f.g. flow - 1% pyrite, minor gcr and carbonatization - basal 25cm contain pink vesicles to 6mm dia in chl matrix; 3% pyrite										
50.0	Chert Horizon; - contacted, 4 to 15mm thick; trace py; pale grey to pink; at 65° E.C.										
50.0 to 63.15	Tholeiitic Rhyolite - Unaltered to Sericitized; - only 20% of unit is dk. green, ephanitic unaltered rhyolite with trace py in-mg - pale green sericification (with minor silicification & 5% py) is either central about gcr or in breccia, fracture-related zones - pale grey, shalldow bands up to 20cm wide are quite common - vesiculate types (in order of abundance) are: gcr with hem ^d holes; v. thin chl seams; py ± gcr; Ksp or lgz; synite & lamprophyte										
63.15 to 68.2	Brecciated Rhyolite - Silicified, minor Sericite or Hematite Alteration; - 2 to 3mm scale brecciation throughout; intensity increases to base - pinky grey alteration (silicification ± hem; very f.g.) dominates earlier pale green alteration (sericification; f. to m. gcr.)										



Drill Hole Record

Property _____ District _____ Hole No. _____

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

Objective _____ % Recov. _____ Date _____

Claim _____

T Brg. _____

Collar Dip _____

Elev. _____

Length _____

Hole No. 2 Sheet 4

Footage - From To	Description	Sample No.	Length	Analysis
68.2 to 70.8	Probable Fault Zone; - 30% core recovery; fragments either brecciated, sericized phyllite or pale gray cherty rock			
70.8 to 73.6	Phyllite - Sericized - homogeneous; lime green sericification; up to 4% py in areas of gv; moderate co-scale brecciation; uncarbonated but rare carb. veinlet - common gv to 3mm; chl seams; rare black red hem stringer - irregular chl-filled amygdals to 4mm in basal 15cm of unit			
73.6 to 74.75	Quartz Veinlet Swarm in Ser ^d /Hem ^d /Sil ^d Phyllite; - series of subparallel, grey-white quartz veinlets at high angle to c.a. - gv 1 to 10cm wide; no sulphides; moderate brecciation			
74.75 to 77.0	Grey-Mauve Phyllite - minor Sil ^d , Hem ^d ; - moderate br ^d to chl matrix; abundant fractures with hem ^d haloes (3% py) - minor gv or gz/Ksp/Py stringer			



Drill Hole Record

Property _____ District _____ Hole No. _____

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

Objective _____ % Recov. _____ Date _____

Claim _____

T Brg. _____

Collar Dip _____

Elev. _____

Length _____

Hole No. _____ Sheet _____

Footage	Description	Sample No.	Length	Analysis
From	To			
77.0 to 79.1	<p>Breccia Zone:</p> <ul style="list-style-type: none"> - heterolithic breccia of pink grey, ophanitic, extremely siliceous rock (rhyolite?) and f.g. lime to dk green, chl- and ser- rich rock (rhyolite or basalt?) - breccia fragments in irregular shapes, up to 5cm across, dominantly pink grey - non magnetic (!), to 3% py (in chl); abundant gr, chl seams 			
79.1 to 84.25	<p>Silicified, Hematized, Brecciated Rhyolite (± Basalt?):</p> <ul style="list-style-type: none"> - string, persistent brⁿ of maura, highly silicified rhyolite (chl-matrix) - abundant gr and silica flecks; chl seams and py stringers also common - occasional gr or broad red hem veinlet - rare remnant flow banding; occasional syenite fragments - 82.4 to 84.25 may contain component of brecciated basalt (greater chl content and identifiable chloritic breccia fragments) - up to 5% pyrite, greater py content in chl-rich patches 			
84.25 to 86.7	<p>Moderately Altered Rhyolite with minor Basalt:</p> <ul style="list-style-type: none"> - non magnetic, massive mauve grey rhyolite (minor hem sil alteration) with common qtz eyes - 85.55 to 85.85 and 86.3 to 86.7 dk green, silicified, slightly magnetic fgr. basalt - 84.3 to 84.95 brick red Kspars, perphyritic syenite 			



Drill Hole Record

Property _____ District _____ Hole No. _____

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

Objective _____ % Recov. _____ Date _____

Feetage - From To	Description	Sample No.	Length	Analysis
86.7 to 91.95	<p>Pink - Grey Rhyolite.</p> <ul style="list-style-type: none"> - massive, v.f. gr., multicolored (grey, pink, dk green) unbrecciated rhyolite - 3% chl speckles and patches to 3cm - 89.0 to 89.9 Kspn porphyritic syenite. calcic Kspn to 1cm; 5% py; 3% chl/llb plencrysts; 65°/e.a. 			Claim T Brg. Collar Dip Elev. Length Hole No.
91.95 to 97.6	<p>Intensely Brecciated, Silicified Zone:</p> <ul style="list-style-type: none"> - vit brecciated on mm-scale with accompanying silicification - original rock type unknown, probably a variety of rhyolite, syenite, basalt - colour can be brick red, grey, cream or dk green; nonmagnetic - up to 5% py (disseminated, stringers); very common gv, gr with hem. haloes; chl gashes - 91.95 to 92.4 medeably fractured syenite; 92.4 to 93.2 syenite/leucolite; 93.2 to 95.2 grey rhyolite breccia with gv - 96.6 to 97.6 mthd chl patches (basalt protolith?), vesicles toward base - round, chalcidonic gr eyes to 1mm are common thrombol, rare flow banding in rhyolite 			
97.6 to 102.55	<p>Grey Rhyolite - relatively unaltered:</p> <ul style="list-style-type: none"> - dk to light (bleached) grey, aphanitic, massive; many gr eyes, 3mm; abundant opaline amygdals in upper metre; intermittent flow banding - rare gv (hematized haloes) and chl veins to 2mm 			



Drill Hole Record

Property _____ District _____ Hole No. _____

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

Objective _____ % Recov. _____ Date _____

Footage- From To	Description	Sample No.	Length	Analysis
102.55 to 107.15	Highly Silicified Basalt: - dk mauve / dk green / tan in colour, broadly mottled; highly silicified and intermediately hematized; 1 to 2% pyrite; iron br quite magnetic; transitional to underlying basalt; iron grey eyes but rare flow banding (?) and zoned skeletal amygdulites - moderate brecciation except shaggy near base (5% pyrite); minor carbonatization - gr to 1cm, grv to 3mm - chl tension gashes, fuzzy-banded patches and chl-filled amygdulites are common - 105.95 to 106.1 - unaltered chl lamp-glass dyke			
107.15 to	Basalt Flow Breccia:			
108.3	- strongly carbonatized hem/ll py - rich flow breccia; moderately magnetic - to 10% semi-massive pyrite; minor brecciation; carb. veins very common - minor silicification / pyritization in upper 35cm			
108.3 to 109.9	Amygduloidal Tholeiitic Basalt: - 1 to 3mm diameter, carbonate-filled, subspherical amygdulites; magnetic - strongly carbonatized - 2 to 4% pyrite; minor po, meg			
109.9 to 111.8	Massive, fi. gr. Amygduloidal Basalt: - amygdulites chl-filled, to 2mm diameter; in figs, massive, grey green basalt			

Claim _____

T Brg. _____

Collar Dip _____

Elev. _____

Drill Hole Record



Property

District

Hole No.

Commenced

Location

Tests at

Hor. Comp.

Completed

Core Size

Corr. Dip

Vert. Comp.

Co-ordinates

True Brg.

Logged by

Objective

% Recov.

Date

Feetage - From To	Description	Sample No.	Length	Analysis	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
	quite strongly carbonated and strongly magnetic ; 2% py ± po										
111.8 to 117.7	Massive f.g. Tholeiitic Basalt : - quite strongly magnetic ; moderately carbonated ; unbrecciated ; to to 7% py, po										
117.7 to 120.75	Massive, Sulphide-rich Tholeiitic Basalt : - up to 15% py/po in strongly carbonated and magnetic f.g. basalt - many carbonate fusion gashes ; moderate brecciation - 114.8 - 20cm broken quartz vein ; minor hem in vein and pyrite in hole										
120.75 to 145.1	Massive, Diabatically-textured, Tholeiitic Basalt : - to to 2% py/po ; minor carbonation ; strongly magnetic - rare carb/epi, epi, or syenitic stringers										
145.1 to 147.3	Massive, Sphide-enriched Diabasic Basalt : - similar to above but up to 10% py/po ; strongly carbonated and several gr										
147.3 to 148.7	Massive, Gabbricitally-textured Tholeiitic Basalt : - strongly magnetic to to 5% uncarbonated basalt with minor gr, qv										
148.7 to 150.0 (End of Hole)	Brick Red K-feldspar Porphyritic Syenite Dyke : - zoned pink trachytic feldspars to 15mm ; minor chl, px, kh ; no ps or carb ; near magnetic										



#4 post



#1 post



10m

40m

TEL-1

50m

5m

TEL-2

L-739009

#3 post



#2 post



Drawn by:		Traced by:	
Revised by	Date	Revised by	Date

D.D.H. s TEL-1, -2

Location Map

Scale: 1:2500 Date: Plate:

Drill Hole Record



Property TELGAR District Cochrane Hole No. TEL - 3
 Commenced September 22, 1966 Location Thackeray Twp Tests at 49m (54° → 357°), 109m (-52° Hor. Comp.
 Completed September 27, 1966 Core Size BQ Corr. Dip → 359°, 166m (-53.5° → 604°), Vert. Comp.
 Co-ordinates 2 - 430E, 4175S True Brg. 205m (-51.5° → 004°), 247m Logged by D.J. Kerr
 Objective % Recov. (-51.4° → 004°), 289m (-51.5° → 005°) Date September 28, 1966

From	To	Description	Sample No.	Length	Analysis
0	to 35.6	Overburden			
35.6	to 91.45	DK Green, f. horn. gr. Massive Tholeiitic Basalt with bleached Pyrite-sulfuration zones; - Very weakly magnetic, quite strongly carbonated massive basalt with many flow breccia horizons; 1 to 4% disseminated pyrite - each one py sponges and chl seams very common; giv generally restricted to flow breccia zones - tan bleached (sericite?) zones up to 80cm wide, up to 25% f. gr. disseminated pyrite and are centered about thin giv or fractures - 40.65 to 41.0 highly brecciated brick red nonporphyric syenite - minor carbonatization - 58.15 to 58.65 mildly brecciated periphytic syenite; many tiny giv and hemilit stingers			
91.45	to 96.6	Grey Green, f. gr. Massive Tholeiitic Basalt; - moderately carbonated, non- to very weakly magnetic; 1/2 pyrite - distinct f. gr. overlying out; minor water-related brecciation; chl seams and thin carb/gyr veins - possible pillow basalt			
96.6	to 101.0	Grey Green, moderately brecciated Massive to Pillow Tholeiitic Basalt; - v.f. gr, very weakly magnetic and moderately carbonated massive basalt with several thin hydroclastic horizons which are probable pillow junctions; 1/2 to 1/2 pyrite - brecciation varies from narrow zones of moderate brecciation to intense chloritic "crust" zones			

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Claim L-738827
 T Brg. 001°
 Collar Dip 55°
 Elev. _____
 Length 290m
 Hole No. 3 Sheet 1

Drill Hole Record



Property _____ District _____ Hole No. _____

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

Objective _____ % Recov. _____ Date _____

Footage From To	Description	Sample No.	Length	Analysis
101.0 to 108.0	<p>Moderately Brecciated to Sheared Grey Green Basalt:</p> <ul style="list-style-type: none"> - brecciation gives way to shearing with depth; foliation averages 50°/cm. - non-magnetic, strongly carbonated, trace to 2% pyrite; qtz common - 10 to 15% sericite alteration, either defining shear fabric or in angular cleft/subsedral grains to 2mm (altered plagioclase?) - 102.5 to 104.5 breccia zone at v. shallow angle to core axis 			
108.0 to 113.8	<p>Strongly Sheared and Altered Zone:</p> <ul style="list-style-type: none"> - precursor lithologies: 108.0 to 110.6 - basalt, 110.6 to 111.25 basalt or steel, 111.25 to 113.8 sediment - whole unit non-magnetic and strongly sheared at 35° to 60°/c.s. (50° average) - 108.0 to 108.7 and 110.05 to 110.6: v. gr., strongly carbonated and shear laminae of size, chl or grey (silica-rich) (all alteration); up to 15% pyrite; some near-massive schists with sericite speckles; qtz or carb veins to 15 cm - 108.7 to 110.05 and 110.6 to 111.25: highly silicified with up to 20% pyrite and abundant broken qtz, mostly (1) violet-grey highly siliceous rock with fine qtz and 10% disseminated pyrite, or (2) highly sheared yellow-grey sericized rock with up to 20% pyrite, disseminated and stringer - 111.25 to 113.8: sheared and folded graphitic argillite with lesser greywacke; strongly carbonated and non-magnetic; argillite more sheared with up to 20% stringer pyrite; greywacke yellow-grey, sericized and silicified with up to 15% py in shear laminae; qtz with no pyrite ore - very common, qtz less so - lower contact somewhat carbonaceous 			

Claim _____

T Brg. _____

Collar Dip _____

Elev. _____

Length _____

Hole No. 3 Sheet 2

Drill Hole Record



Property _____ District _____ Hole No. _____

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

Objective _____ % Recov. _____ Date _____

Claim _____

T Brg. _____

Collar Dip _____

Elev. _____

Length _____

Hole No. 3 Sheet 3

Feetage— From To	Description	Sample No.	Length	Analysis
113.8 to 118.75	<p>Moderately Deformed Graphitic Argillite / Greywacke:</p> <ul style="list-style-type: none"> - roughly equal proportions of argillite & greywacke, the former being more skewed, folded and horizontal; shear fabrics not necessarily present, at 35 to 60°/c.w. - the two lithologies can be very finely interbedded but intervals composed of dominantly one or the other reach widths to 100 cm, up to 20% blebby py in argillite or 10% disseminated py in greywacke; nonmagnetic - rare, late qtz & zrn; they give v. common, particularly in argillite 			
118.75 to 130.6	<p>Graphitic Argillite:</p> <ul style="list-style-type: none"> - no greywacke but 30% of 'graphitic' argillite is grey silty argillite; nonmagnetic - bedding at 30° to 50°/c.w., some minor folding - 5% pyrite in rounded, irregular diagenetic clots & several cm in length - minor carbonatization; carb matrix in mild breccia zones 			
130.6 to 290.0 (End of Hole)	<p>Interbedded Sequence of: (1) laminae Flysch Metasediments (massive, to rarely bedded, Greywacke and Reworked Tuffs), (2) Graphitic Argillite with lesser mudstone sand coarse Siltstone, and (3) Pyroclastic Rocks (Ash Tuffs, less commonly Crystal Tuffs and rare Lapilli Tuffs):</p> <ul style="list-style-type: none"> - Flysch Metasediments: massive, f. to m.gr., pale grey, 3% pyrite (4.10%), can be quite strongly carbonated, minor sericitization; rare brittle deformation - Graphitic Argillite / Siltstone: interbedded on mm to cm scale; up to 20% blebby pyrite, mostly in argillite; no carbonatization or other alteration; argillite bedded, both lithologies 			

Drill Hole Record



Property _____ District _____ Hole No. _____

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

Objective _____ % Recov. _____ Date _____

Feetage- From To	Description	Sample No.	Length	Analysis
	show soft-sediment deformation; most brecciation confined to this unit			Claim
	- Pyroclastic Rocks: ash tuffs very similar to fine greywacke; crystal tuffs contain zoned, fragile plagioclase laths to 3mm - these laths are rarely preserved; rare volcanic bombs to several cm in ash tuffs; rare spherical qtz lapilli (3mm); pyroclastics usually carbonized with minor scoriification; $\leq 5\%$ pyrite; undeformed carbonate stringers to 10cm quite common			T Brg.
	- graded bedding at 220.7 indicates tops to south			Collar Dip
	- bedding, may average 35 to 40°/c.a., angle tends to decrease with depth			Elev.
	- 130.6 to 140.7 Siltstone, Pyroclastic (to 10%) Yellow Grey Greywacke and minor Crystalline Argillite			Length
	- 140.7 to 169.0 Greywacke, Graphitic Argillite, Ash and Crystal Tuffs - tuffs to 5% pyrite scoriified frags.			Hole No. 3 Sheet 4
	- 169.0 to 221.25 Ash, Crystal and Lapilli Tuffs, Greywacke			
	- 221.25 to 234.9 Graphitic Argillite and Grey Siltstone - many white QV to 4cm			
	- 234.9 to 245.25 Massive/Banded Greywacke and Siltstone			
	- 245.25 to 273.75 Graphitic Argillite and f. to c. gr. Siltstone			
	- 273.75 to 276.9 Granular Greywacke or Conglomerate			
	- 276.9 to 290.0 Graphitic Argillite and Siltstone / Mudstone - increased brecciation and faulting			



#4 post

#1 post

260m

310m

360m

L-738827

210m

●
TEL-3

○
TEL-7

#3 post

#2 post



Drawn by:

Traced by:

Revised by

Date

Revised by

Date

D.D.H. s TEL-3, -7

Location Map

Scale: 1:2500

Date:

Plate:

Drill Hole Record



Property **TELCAR**

District **Cochrane**

Hole No. **TEL-4**

Commenced **September 29, 1988**

Location **Thunderway Trp**

Tests at **36m (-55.0° → 360°), 51.4 (55.5°)** Hor. Comp.

Completed **October 3, 1988**

Core Size **BC**

Corr. Dip → **360° (129m (-56.0° → 358°))**, Vert. Comp.

Co-ordinates **3-116E, 2+75S**

True Brg. **172.4 (-56.0° → 064°), 225m** Logged by **D.S. Kerr**

Objective

% Recov. **(-56.5° → 068°)** Date **October 3, 1988**

From	To	metres	Description	Sample No.	Length	Analysis
0	to	22.6	Overburden			
22.6	to	40.05	<p>Grey to Dk. Green, Fggr., Massive, Iron-rich Tholeiitic Basalt.</p> <ul style="list-style-type: none"> - strongly magnetic, moderate carbonation, trace sulphides - very common epidote, pyrox, plagioclase stringers in lower half of unit; common gr epidote with pyritized holes; carb or hem stringers also quite common; fairly common, generally pyritized zones (to 20%) at base and fracture zones in upper 10m of unit - 32.75 - 4cm fault zone at 55' level. - 34.4 to 34.9 - grey/mauve highly fractured chert - 35.5 - 4cm GV within 3cm banded, sheared zone; 5% pyrite - 39.3 - 2cm pink syenite, highly fractured, pyritized (20%) and minor silicification 			
40.85	to	61.7	<p>Fggr. and Massive to Mlk Congr and Gabbroically-textured Iron-rich Tholeiitic Basalts</p> <ul style="list-style-type: none"> - very weakly to moderately carbonated, quite strongly magnetic, trace pyrox - fairly common gr to 3cm with py holes, gr epidote, and oxide stringers - minor siliceous breccia to 10cm, 61' at 55' level - 41.95 to 42.55, 60.65 to 61.35 dark syenite (?) dykes, lower dyke has pyritized contacts 			
61.7	to	81.4	<p>M. to Congr., Gabbroic/Diabase - textured Massive Iron-rich Tholeiitic Basalt:</p> <ul style="list-style-type: none"> - similar to above but very little veining - minor calc/ht lamprophyre dykes 			

Claim	L-799256
T Brg.	360°
Collar Dip	54.5°
Elev.	



Drill Hole Record

Property _____ District _____ Hole No. _____

Completed _____ Location _____ Tests at _____ Hor. Comp. _____

Co-ordinates _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Objective _____ True Brg. _____ Logged by _____

% Recov. _____ Date _____

Feetage— From To	Description	Sample No.	Length	Analysis	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
81.4 to 91.0	C gr. Pyroxenitic Basalt: - very dk green, massive, magentic flow with chunky pyroxene phenocrysts, 2mm dia - minor epi or g/px stringers - basal 1.4 m of flow is chill zone against underlying cleat (top South)										
91.0 to 91.3	Highly Fractured Dk. Green Cleat; - trace sulphides, non-magnetic; lower contact at 45 to 50° E. W.										
91.3 to 92.0	Fines, Massive to Amygdaloidal Basalt: - dk green, weakly to strongly magnetic, very weakly carbonated; tr to 2% po = Py - minor epi or g/px stringers - in vicinity of amygdules: 91.6 to 93.3 chl or py/px-filled spherical 2mm or highly irregular shapes to 10mm; 93.3 to 94.1 epi/px-filled, subparallel to 3mm or tubular pipe amygdules to 6cm at 45° E. W.; 93.95 to 94.8 rare chl/py/px; rare pale grey to white, non-conformably zoned 'chalcidite'-filled amygdules										
95.0 to 105.0	M. to C. gr. 'Carbonic' to 'Pyroxenitic' low-rick Talerik Basalt: - dk green, 14% py/px, rare epi or g/px stringers; occasional chalcidite amygdule - grain size zoning suggests top to South; 102.35 to 103.05 massive epi/px/px vein										
105.0 to 106.25	Hyaloclasts - poor Flow Breccia: - 5% py/px, weakly magnetic, weakly carbonated; fragments to 10cm										

Drill Hole Record



Property _____ District _____ Hole No. _____

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

Objective _____ % Recov. _____ Date _____

Footage - From To	Description	Sample No.	Length	Analysis
106.25 to 115.65	Complete Iron-rich Tholeiitic Basalt Flow - 106.25 to 107.55 Flow Top: grey gran., 2% lathy spherule, sinuous ceiling Fractures, epidomphalite - 107.55 to 112.75 Upper Flow: fine, massive, coarse grained with pyrite - 112.75 to 115.65 Lower Flow and Flow Base: m. to e. gr., gabbar, basal chilled zone			
115.65 to 116.2	Flow Contact Zone: - dk purple grey, hematite-rich, fairly strongly cemented, magnetic, minor pyrite epidote, flow breccia or banded flow textures; 10cm K_2O dyke, 3% pyrite, at 115.9			
116.2 to 119.4	Top portion of Iron-rich Tholeiitic Basalt Flow - similar to 106.25 to 115.65			
119.4 to 121.2	Altered, Impurely Sheared Zone: - banded to laminar purple grey/lime green/white/pink highly siliceous uniformly sheared zone; siliceous, ser. calc. py. alteration; well-sorted remnants of basalt, syenite; many white qtz ± carb. py shingles; 5 to 15% stringer and disseminated py; several small, coarse-grained altered syenite dykes; foliation at 50° E. (?)			
121.2 to 157.6	Single, Mg. Iron-rich Tholeiitic Basalt Flow: - similar to 106.25 to 115.65 but missing Flow Top - minor epi. or qtz veins; some epidotted patches to 110cm; magnetic			

Claim _____

T Brg. _____

Collar Dip _____

Elev. _____

Drill Hole Record



Property _____ District _____ Hole No. _____

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

Objective _____ % Recov. _____ Date _____

Feetage From To	Description	Sample No.	Length	Analysis	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
	- some e.gr. ep/ice veins with trace ep at 152 to 153 m.										
	- 30cm skewed band at 155.45 ; chl/ssw foliation of 50% ca, 4% py, moderate carb ²										
	- 132.15 to 134.3 massive, mag., "sell and pepper" H ₂ syenite at 70% ca.										
157.6 to 162.3	Grey Green, V.F.gr. Pillow Basalts: - weakly magnetic, non-variolitic pillow margins, pillow contacts marked by hydrothermal seams to 20mm wide ; some gr. or py or ep stringer ; th. to 3% pyrite										
162.3 to 168.65	Feldspar Perphyritic Pillow Basalts: - similar to 157.6 to 162.3 but 5% yellow pink/green chunky subhedral Feldspar perphyrys and glomeroporphyrys to 5mm ; generally 1 to 2% py, local acanthophanes to 25% - broken, cheery interflow horizons with 30% clotted pyrite at 167.55 - minor gel/pz stringers										
168.65 to 177.1	F.gr. Massive, Non-magnetic Tholeiitic Basalt: - dk green, minor carbonatization, tr to 2% py ; minor spherulitic basalt at 171.3 ; more flow basalt zones (all/gz/py) ; minor gr. qzv and ep/ice stringers - 172.15 to 173.1 indomogeneously skewed, sil ± carb. py altered zone ; foliation at 60% ca										
177.1 to 178.2	Pyritic Interflow Sediments: - 177.1 to 177.75 - bedded py (30%) in purple grey siliceous sediment ; bedding at 45% ca ; strong acanthophanes										

Drill Hole Record



Property _____ District _____ Hole No. _____

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

Objective _____ % Recov. _____ Date _____

Footage - From To	Description	Sample No.	Length	Analysis
177.75 to 178.2	massive to foliated carbonaceous basalt, carb/gyz/py mineralized flow breccia, and folded laminated grey chert; 4% pyrite			Claim T Brg. Collar Dip Elev. Length
178.2 to 188.25	Massive, fine Tholeiitic Basalt with minor Flow Breccia and Chalcedonic Amygdules; -neomagnetic, uncarbonated, dk green, hr to 2% pyrite; flow breccia zones to 190cm wide w minor 5.1% carb ² , up to 5% py - opaline, grey-white, often non-concentrically zoned amygdules, highly irregular form to 3cm; 5% py - occasional brecc. epigz/protpy alteration zones to 10cm wide			
188.25 to 210.1	Massive, fine Tholeiitic Basalt with minor Flow Breccia; - similar to above but no chalcedonic amygdules - dark cherty horizons with up to 10% py at 189.7 to 191.4, 191.65 to 192.35 - fairly common gv or gv with pyrite in middle of unit			
210.1 to 221.85	Variable Pillow Basalts, Pillow Breccias, and Hyaloclastite; - variably volcanically - brecciated hyaline pillow basalts and hyaloclastite interflow breccias - variable pillow margins, minor carbonatization, very weakly magnetic, up to 4% py - common gv, gv with minor py			
221.85 to 227.0	Massive, f. gr. to diabasic Basalt, often Amygduloidal; - weakly magnetic, uncarbonated, dk green, hr to 2% py; few gv, gv, ep; stringers - subspiral, zoned 3cm amygdules, epigz/gy t py filled			
(End of Hole)				

Hole No. 4 Sheet 5



#4 Post

#1 Post

250 m

L-799256

35 m

TEL-4

#3 post

#2 Post



Drawn by:

Traced by:

Revised by Date

Revised by Date

D.D.H. TEL-4

Location Map

Scale: 1:2500

Date:

Plate:

Drill Hole Record



Property TELEGAR District Cochrane Hole No. TEL-5
 Commenced Oct 4, 1986 Location Thackeray Tests at 31m (-54.5° → 35.2°), 91m Hor. Comp.
 Completed Oct 7, 1986 Core Size BQ Corr. Dip (-53.0° → 35.4°), 151m Vert. Comp.
 Co-ordinates 2 - L26E, 5125N True Brg. (-55.0° → 35.1.5°), 202m Logged by D.J Kerr
 Objective % Recov. (-56.0° → 35.8°) Date Oct 9 1986

Depth meters	Description	Sample No.	Length	Analysis
0 to 22.0	Overburden			
22.0 to 44.5	Pillowell Tholeiitic Basalt: - Forest green, v.f. sgr, massive and mottled; light color in pillow centers with ceiling fractures; very weakly magnetic, uncarbonated but abundant gel and epite stringers; trace py; epidote-rich, non-magnetic pillow margins to 10cm wide - rare gelty and celestite veins			
44.5 to 69.25	Massive to mottled Gray Green Basalt with minor Flow Breccia: - very similar to above unit but pillow stringers absent and flow breccia more common - 20cm fractured bt lamphyre dikes at 51.8 - rare feldspar phenocrysts at top of unit suggest flow direction to South			
69.25 to 80.15	Faulted Package of Pyritic Chert and Argillites, Lamphyre and Basic Dikes, Siderite Vein and Basalt: - 70% carbonate recovery - very minor carbonation; non magnetic; 10% pyrite overall; bedding at 30 to 45°/cm, angle inc. with depth - 69.25 to 69.45 brecciated, altered, moderately brecciated basalt with 10% py; 69.45 to 69.6 fault at 30°/cm; - 69.6 to 70.7 siliceous, scaly and chert, to 20% py - partly brecciated, pyritic; 70.7 minor fault - 70.7 to 71.9 matrix volcanic, partly altered (siliceous brecciated py, both minor)			

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Claim L-739022
 T Brg. 355°
 Collar Dip 54.5°
 Elev. _____
 Length 205m
 Hole No. 5 Sheet 1



Drill Hole Record

Property _____ District _____ Hole No. _____

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

Objective _____ % Recov. _____ Date _____

Claim _____

T Brg. _____

Collar Dip _____

Elev. _____

Length _____

Hole No. _____ Sheet _____

Feetage— From To	Description	Sample No.	Length	Analysis
	-71.9 to 73.7 core lost; 73.7 to 79.05 pyritic inclusions - chert, waffle, quartzite with up to 20% blebby py, bedding at 30 to 45°/km but killed, 75cm stretch 3 py vein			
	-79.05 to 79.65 lamprophyre; 79.65 to 79.8 core lost; 79.8 to 80.15 chl-rich inclusions with 10 to 50% sedimentary, banded pyrite, bedding at 50°/km.			
80.15 to 89.0	Massive, f. to in gr. Dk Green Alkaline Basalt; - 5% disseminated and stringer py/ps - magnetism veins with sulphide content - fairly common qv with accessory chl, py			
89.0 to 100.1	Massive, f. gr. Tholeiitic Basalt; - similar to above but less sulphides (to to 3%), and some hyaline flow breccia - many qv with chl, carb, feld, py, each qv to 45cm			
100.1 to 146.9	Single, Massive Tholeiitic Basalt Flow; - complete flow unit, tops to south, comprised of: (a) 100.1 to 103.2 - amygdaloidal flow top; up to 20% pyrite and epiphyz stringers very common; (b) 103.2 to 112.8 - upper flow; massive, no alteration, (c) 112.8 to 145.0 - flow core; massive, diabasic to gabbroic texture, to 2% net-textured py/ps, occasional qv, (d) 145.0 to 146.9 - flow base; massive, qv size fines to bottom, 1 to 2% py/ps			
146.9 to 157.65	Hyaloclastite / Flow Breccia. - flow breccia more hyaline towards top of unit, hematite, to to 3% pyrite			



Drill Hole Record

Property _____ District _____ Hole No. _____

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

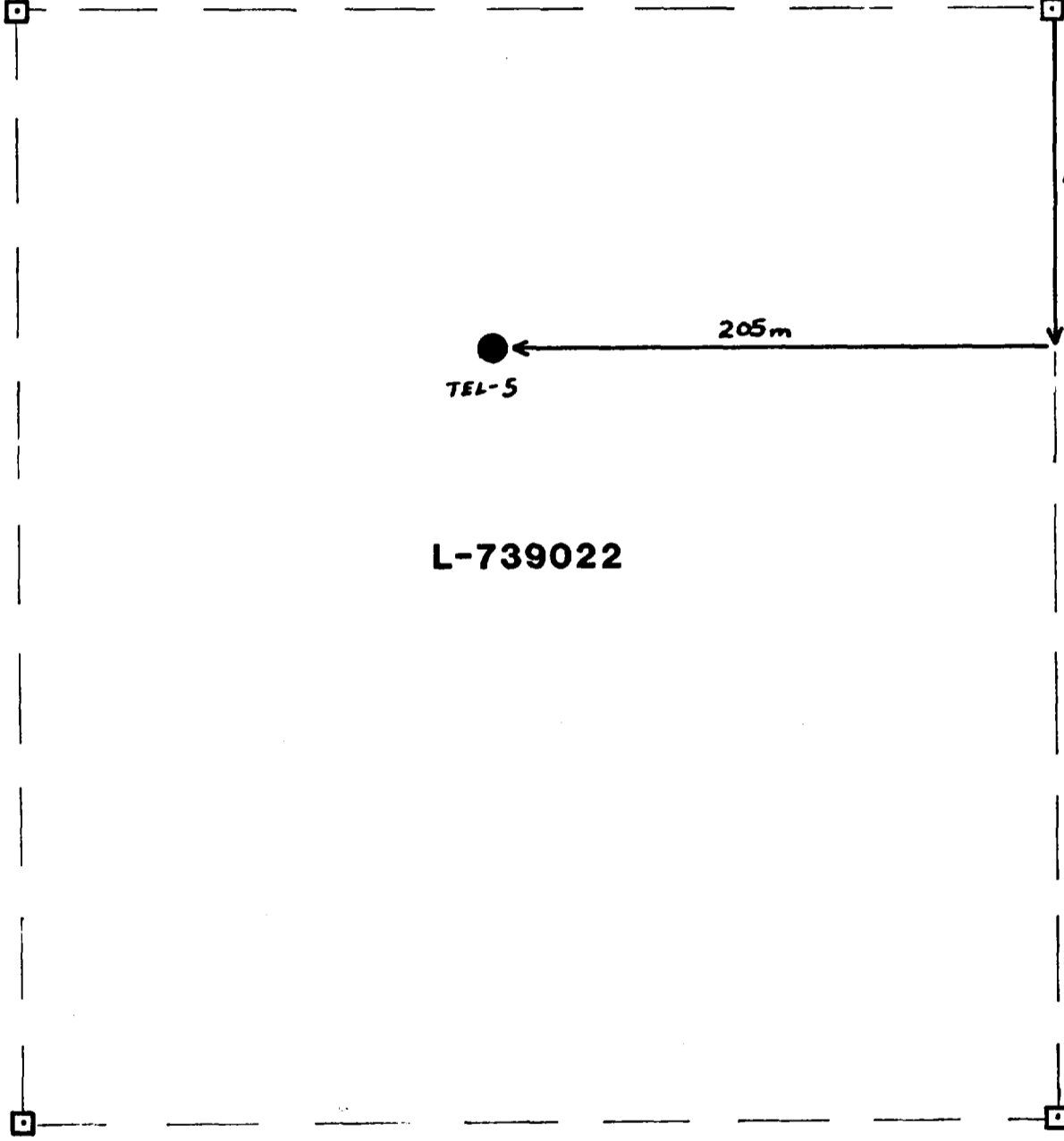
Objective _____ % Recov. _____ Date _____

Footage		Description	Sample No.	Length	Analysis				
From	To				Claim	T Brg.	Collar Dip	Elev.	Length
		- dk to yellow green, angular sand often hydric flow fragments to 10cm or greater, in yellow green (epi) to dk green (ch) matrix; inconsistently carbonized matrix							
		- possible silification as lithology is inherently hard							
157.65	to	Incipient Flow Breccia:							
157.95		- transition unit; uncarbonized, very weakly magnetic; abundant qtz, epi shingles							
159.95	to	Upper Part of a Single Massive Tholeiitic Basalt Flow:							
205.0		- 157.95 to 168.45 Amygduloid Flow Top: few vesicles of amygdole, in order of abundance, are (i) subspherical, ch-filled, (ii) subspherical, qz-filled, (iii) irregular white chalcidonic, to 1cm, (iv) spherical, py-filled; also granulated Px clusters at top of flow							
		- 168.45 to 205.0 Flow Core: massive; Px size incr. = depth from middle to lathlike to coarse, feathery crystals to 3cm long							
		- qz/Kspine/Cs/Py shingles with pyritic inclusions are quite common, particularly so over 176.6 to 177.75							



#4 post

#1 Post



L-739022

TEL-5

205m

125m



Drawn by:		Traced by:	
Revised by	Date	Revised by	Date

D.D.H. TEL-5
Location Map

Scale: 1:2500 Date: Plate:

Drill Hole Record



Property **TELGAR** District **Cochrane** Hole No. **TEL-6**
 Commenced **October 8/86** Location **Thackeray Twp.** Tests at **31m (-48.5° → 356°), 97m** Hor. Comp.
 Completed **October 15/86** Core Size **BQ** Corr. Dip **(-56° → 357°), 149m (-52.5° Vert. Comp.**
 Co-ordinates **2.423E, 57CS** True Brg. → **360°**, **190m (-49° → 355°)**, Logged by **D.J. Kerr**
 Objective **% Recov. 229m (-50° → 001°)** Date **Oct 16/86**

Claim **L-739020**
 T Brg. **358°**
 Collar Dip **52°**
 Elev. _____
 Length **231m**
 Hole No. **6** Sheet **1**

Feetage metres From To	Description	Sample No.	Length	Analysis
0 to 23.35	Overburden			
23.35 to 99.05	<p>Grey Green, f.g., Tholeiitic Basalts - Massive to Strongly Foliated:</p> <ul style="list-style-type: none"> - weakly magnetic, strongly carbonized, to 2% py; carb stringers extremely common, gvt absent; narrow flow breccia zones common; seritized with depth - pronounced zonation to strain domain: 23 to 47m, massive, very few chl tension fractures; frachans, 47 to 72m massive, abundant broad scale shattering and chl tension fractures; ductile strain of flow contacts only; 72 to 81m impingent foliation, non-penetrative; 81 to 99m penetrative foliation at 50°/lea, intensely increase with depth, more seritization; - 31.0 to 33.55, 35.9 to 37.6 - carbonized, seritized, grey, micaceous lamprophyre dykes - 74.15 to 76.65 - Zoned, Siliceous, Gz Porphyry Felsic Dyke; highly frus; 2% py; to ep; red to dk grey 			
99.05 to 116.9	<p>Sheared, Variably Altered Varichitic Pillow Basalt with Siliceous Green/Red Dykes:</p> <ul style="list-style-type: none"> - 5% pillow basalt, flattened 2:1 to 10:1 with massive cores and varichitic margins now bleached to lavender colour, silicified and with up to 20% py; multitude of tiny carb/lsr stringers and chl or galena veinlets; non-magnetic; shearing foliation at 55 to 60°/lea. sharp contacts with dykes in most cases - 45% mottled purple green siliceous dykes with minor gvt eyes and rare felsic phenocrysts to 2mm near margins; largest dyke 3.6m wide; to 5% stringer py; myriad of tiny silica "seeds"; apparently post peak deformation 			

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Drill Hole Record



Property _____ District _____ Hole No. _____
 Commenced _____ Location _____ Tests at _____ Hor. Comp. _____
 Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____
 Co-ordinates _____ True Brg. _____ Logged by _____
 Objective _____ % Recov. _____ Date _____

Feetage- From To	Description	Sample No.	Length	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
118.9 to 118.6	Highly Altered / Highly Sheared Flysch Volcaniclastics (Greywacke or Tuff): - strongly carbonated, silicified, pyritized to 20%, sericitized; near laminar shear fabric (penetrative) at 50 to 70° N. 20° E.; many shear-parallel carb or gr veins - 117.9 to 118.45 poorly foliated, granular, strongly carbonated zoned 'dyke' with "sneakball" mottling, 1 to 2% pyrite								6	2
118.6 to 122.05	Sheared, Folded or Beddinged, Ser Carb - Altered Greywacke / Argillite: - 85% grey to yellow grey carbonized folded or beddinged greywacke, beds to several cm, very little ser alteration or shearing; non-magnetic - 15% dk green to yellow (ser-altered), poorly carbonated, foliated argillite; to 15% py foliation of 50 to 60° N. 20° E.; non-magnetic - common carb shingles; gv fairly rare									
122.05 to 127.05	Sparsadically Sheared and Altered Greywacke with minor Argillite, Agglomerate: - same as above but deformation and alteration less intense - quite strongly carbonized agglomerate horizon at 124.75 to 125.0 with rare fucoide clasts to 15mm, flattened; some ser/sil-alteration also									
127.05 to 129.45	Sericitized Greywacke: - weakly foliated, f to m gr, yellow-grey sericitized greywacke, non-magnetic; alteration incr w depth; carb + chl shingles common									

Drill Hole Record



Property _____ District _____ Hole No. _____
 Commenced _____ Location _____ Tests at _____ Hor. Comp. _____
 Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____
 Co-ordinates _____ True Brg. _____ Logged by _____
 Objective _____ % Recov. _____ Date _____

Feetage- From To	Description	Sample No.	Length	Analysis	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
29.45 to 129.7	Purple Chert or Quartz Vein; - 2% py, massive but highly fractured; rare fuch "pleurocysts" at upper margin										
129.7 to 134.1	Highly Sinterized Banded Crystal Tuff; - yellow grey, carbonized tuff with 30% completely sinterized (coarsely fuch.) feldspar crystals to 1cm aligned at 45 to 50° E.S.; also, some flattened feldspar-like topkin volcanic fragments to 2cm, also completely sinterized - up to 10% (usually 3 to 4%) py, mostly in coarse lumps to fractures or gaps										
134.1 to 134.5	Purple Chert or Quartz Vein										
34.5 to 149.1	Pearly Sinterized Yellow/DK Grey Greywacke with minor Argillite; - f. to m. gr. massive greywacke, beds to 3cm with preferentially sinterized and better foliated argillite interbeds to 2cm; some soft-sediment deformation; - minor brecciation, quite strongly carbonized, non-magnetic; 1% pyrite - 145.95 to 147.0, 147.6 to 148.0 Brown-Grey Carbonized Qtz/Kspen Porphyry dykes										
149.1 to 157.35	Greywacke / Argillite; - similar to above but alteration less common; roughly equal proportions of greywacke and argillite; fabric (slens) at 45°/vein where present										
157.35 to 162.9	Massive, unaltered, Brown Grey to Grey, m. to c. gr. Greywacke										

Drill Hole Record



Property _____ District _____ Hole No. _____

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

Objective _____ % Recov. _____ Date _____

Footage- From To	Description	Sample No.	Length	Analysis
162.9 to 165.35	Yellow Gray, partly Sericitized, m.b.c.g.r. Greywacke with minor Argillite: - similar to above unit but 10% sericitized, unfoliated argillite with 10% py			Claim T Brg. Collar Dip Elev. Length Hole No. _____ Sheet _____
165.35 to 174.65	Greywacke / Argillite: - minor carbonatization, non magnetic, only soft - sediment deformation of grey, massive, f.g.r. greywacke and lesser dk grey argillite with 5% py - veinlets of qz, qz/ank & py not uncommon in argillite			
174.65 to 174.75	Quartz Vein with 10% Ankerite and minor epidote, pyrite			
174.75 to 182.2	Strongly Ser/Carb - altered, multiply deformed Shear Zone: - precursor lithology may be sediment or volcanic; graphitic band at base of zone - brown to yellow grey, inhomogeneously sheared, carb/ser & sil altered zone with 5 to 10% pyrite; crenulated and warped foliation at 20 to 40°/c.r.a.; abundant qv and ank + qz/py stringers			
182.2 to 187.9	Grey / Dk Grey, unaltered Greywacke / Argillite with very minor qv			
187.9 to 190.35	Sericite / Carbonate Shear Zone: - near-laminar shear foliation at 30°/c.r.a., strong ser/Carb alteration of original rock; 1 to 2% pyrite; non-magnetic; thin qv, qz fairly common			

Drill Hole Record



Property _____ District _____ Hole No. _____

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

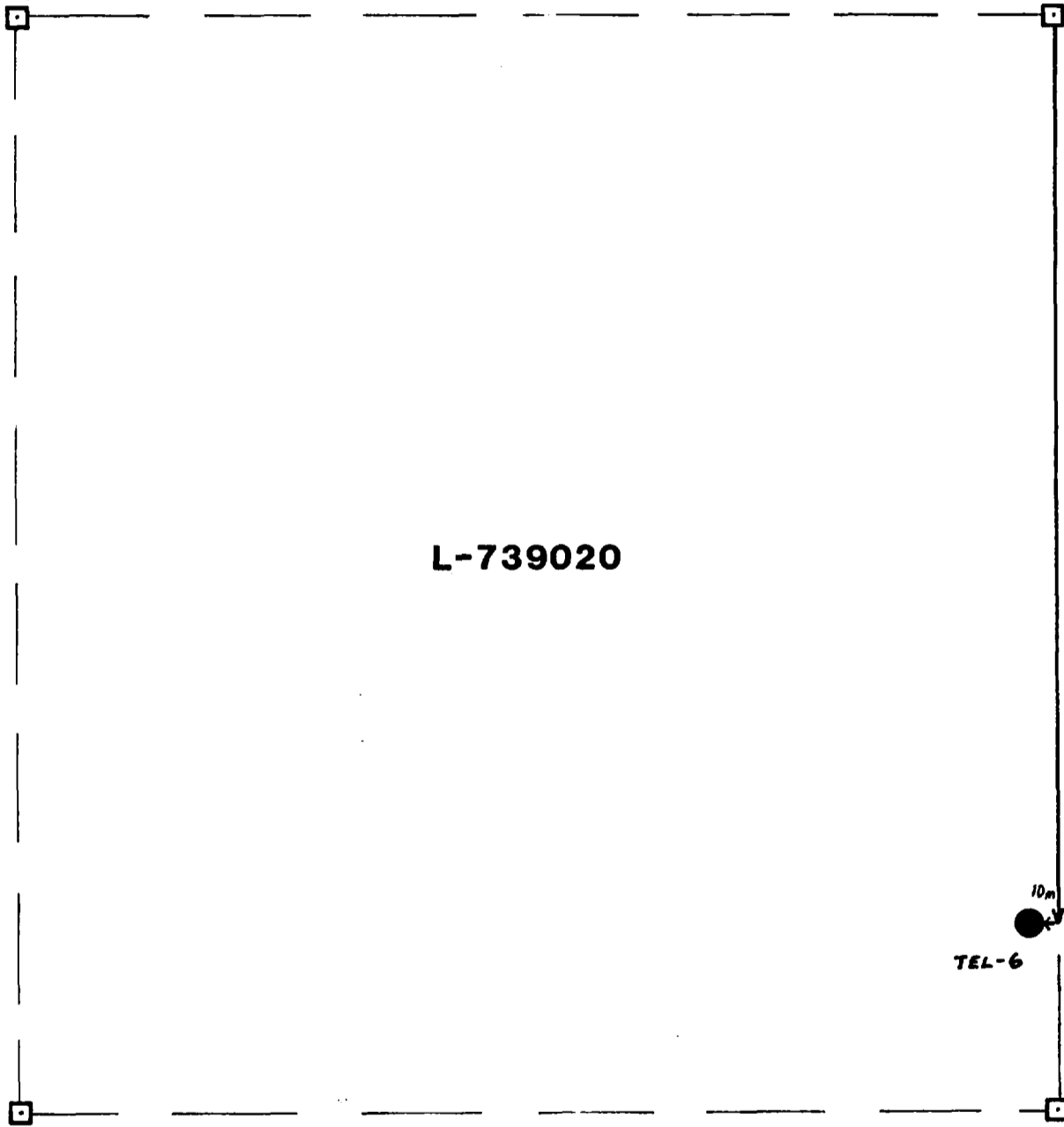
Objective _____ % Recov. _____ Date _____

Footage - From To	Description	Sample No.	Length	Analysis
190.35 to 198.65	Partly Altered Greywacke with minor Argillite: - yellow grey, partly sericized greywacke with dk grey argillite - sericization often as holes to qz ± ank stringers with up to 5% py in kals			Claim T Brg. Collar Dip Elev. Length Hole No.
198.65 to 207.95	Unaltered Grey / Dk Grey eyewacke and lesser Argillite: - only minor rebaratation and soft sediment deformation except for 206.6 to 206.95 (moderate shearing, brecciation of qz, gv, br. bearing argillite with seriken) - 204.85 to 205.3 grey lampyrone with bronze micaceous phenocrysts			
207.95 to 220.4	Pale Brown-Grey Graded Greywacke: - only minor carbonatization; rare sericite-all. br zones, often ± gv - grading suggests tops serik; 1% pyrite			
220.4 to 231.2	Grey, Unaltered Greywacke with minor Dk Grey Argillite			
(End of Hole)				



4 post

#1 post



L-739020



Drawn by:		Traced by:	
Revised by	Date	Revised by	Date

D.D.H. TEL-6

Location Map

Scale: 1:2500

Date:

Plate:

Drill Hole Record

Scale
Colour Plot
& Dips



Property **TELGAR** District **Cochrane** Hole No. **TEL-7**
 Commenced **October 15 / 1986** Location **Thackeray Twp** Tests at **62m (-49.0° → 358°), 104m Hor. Comp.**
 Completed **October 18 / 1986** Core Size **BQ** Corr. Dip **(-48.5° → 359.5°), 146m Vert. Comp.**
 Co-ordinates **2-29150E, 5125S** True Brq. **(-47.5° → 001°), 188m** Logged by **D.J. Kerr**
 Objective **% Recov. (-49° → 357.5°)** Date **October 20 / 86**

Feetage metres From To Description Sample No. Length Analysis

0 to 52.4 Overburden

52.4 to 53.9 Brecciated and Pyritized Brick Red Nonperphyritic Syenite and Basalt:
 - Zone is intensely fractured with highly siliceous syenite (5 to 20% pyrite) and dk grey nonmagnetic, carbonated basalt also with up to 20% pyrite; greatest py at bleached syenite / basalt contacts

53.9 to 73.35 Massive, f. gr., Non-magnetic Tholeiitic Basalt:
 - moderate to strong carbonation, commonly brecciated with chlc or ss filling
 - 3% pyrite generally but occasional bleached zones about fractures or thin grv
 - contain up to 20% disseminated pyrite (with carbonate also) over 10cm
 - chl or ss veinlets (rare up) very common, grv less so

73.35 Grey Orange Chert Band

73.35 to 107.0 Dk Green f. to m. gr. Massive Tholeiitic Basalt with bleached Pyrite-alteration Zones:
 - similar to above unit but a var-grained, darker color, less brecciation but more pyrite - altered zones; nonmagnetic; moderate carbonation; carb, chl veinlets not so common as in above
 - strong pyrite alteration at flow brecciated base of unit, chert present also

Claim **L-738827**
 T Brq. **359°**
 Collar Dip **50.5°**
 Elev.
 Length **190m**
 Hole No. **7** Sheet **1**

Drill Hole Record



Property _____ District _____ Hole No. _____

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

Objective _____ % Recov. _____ Date _____

Footage - From To	Description	Sample No.	Length	Analysis
107.0 to 150.5	<p>Grey Green to Pale Brown Green, moderately brecciated, f.g. Pillow Basalts:</p> <ul style="list-style-type: none"> - nonmagnetic, moderately carbonized basalt with trace pyrite; nearly all of unit is massive pillow core, brecciated - in situ with a network of chl tension fractures - pillow margins are non-vesicular and chloritic, hydroclastic selvages are less than 5cm wide and rare; up to 15% py in selvages - carbonization and deformation increase in intensity with depth - gv almost absent, or or gv stringers v. common, so the are c.g. gv to 4cm - post-volcanic purple carb/leathy hem & py breccia zones to 50cm are common; occasional discrete breccia bands to 3cm with brecciated fragments in dk. carbonate about 116.4 			Claim T Brg. Collar Dip Elev. Length Hole No. _____ Sheet _____
150.5 to 158.8	<p>Incipiently to Strongly Foliated, f.g., Grey Green Pillow Basalts:</p> <ul style="list-style-type: none"> - strongly carbonized, possible ser - alteration else; foliation intensity increases with depth, at 35% c.e.; non-magnetic; 16.2% py; gv common; chl tension fracs. rare and folded 			
158.8 to 167.9	<p>Strongly Sheared and Altered Zone:</p> <ul style="list-style-type: none"> - probable precursor lithologies - 158.8 to 159.95 basalt, 159.95 to 161.2 volcanics, 161.2 & 167.9 sediment - nonmagnetic; strongly carbonized except for graphitic crystals; late, c.g. crystal line c/gz veins cut all units - 158.8 to 159.25: grey green, foliation at 35% c.e. but retorted; carb/ser alteration; 16.2% v.f.g. py; no silicification; brecciated and foliation - parallel lower 'contact' - 159.25 to 159.95: pale cream-colored, multiply-silicified clay zone (all. basalt?); abundant gv, gv; 16.2% pyrite 			

Drill Hole Record



Property _____ District _____ Hole No. _____

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

Objective _____ % Recov. _____ Date _____

Escalage From To	Description	Sample No.	Length	Analysis
-156.45 to 161.2	pale to dk grey green, shear-laminated carb/ser altered Aft; foliation at 20 to 30°/e.n., steepening to 35° to 40°/e.n. at base (post-shear folding evident); 10% pale, sericitized, stalked fophae fragments to 3cm, usually 1 to 2mm; 3 to 5% stringer and disseminated pyrite; many sheared gv with blacked holes			Claim T Brg. Collar Dip Elev. Length Hole No. 7 Sheet 25
-161.2 to 164.95	grey sillstone/black conglite; "beds" to 15cm; twisted, non-laminar foliation at 25 to 30°/e.n.; 5 to 20% enclined stringer pyrite; abundant carb stringers; only sillstone chnngly carbonated; several broken grey/white chert bands or gv in upper 6cm; 162.0 to 162.55 is strongly ser/leuh/sil altered dyke or volcanic with 10% pyrite and many gv generally sporadic ser/gr alteration, largely of sillstone			
-164.95 to 165.4	strongest alteration/sheering, a mélange of (1) grey, highly fractured cherty bands with 25% py, (2) sinuous, wispy graphitic bands with py stringers, (3) thin-colored, highly sericitized fahls and leucages, (4) poorly foliated sections similar to 164.5			
-165.4 to 165.65	moderately foliated, un-sheared, strongly carbonated meta dyke with granular texture, 5% py, many cc stringers and minor ser-alteration			
-165.65 to 165.8	poorly foliated, highly siliceous dk grey zone with 10% py			
-165.8 to 166.0	white to grey QV with many silicified meta-sedimentary fragments; very little py			
-166.0 to 167.9	strongly foliated grey/ltm ser/leuh-altered sillstone/greywacke; foliation at 60°/e.n.; 5 to 7% py, some py post-shearing; lower contact gft-breccia and abrupt (parallel to foliation)			



Drill Hole Record

Property _____ District _____ Hole No. _____

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

Objective _____ % Recov. _____ Date _____

Feetage - From _____ To _____ Description _____ Sample No. _____ Length _____

167.9 Grey, f. gr. Greywackes / Dk Grey Siltstones :

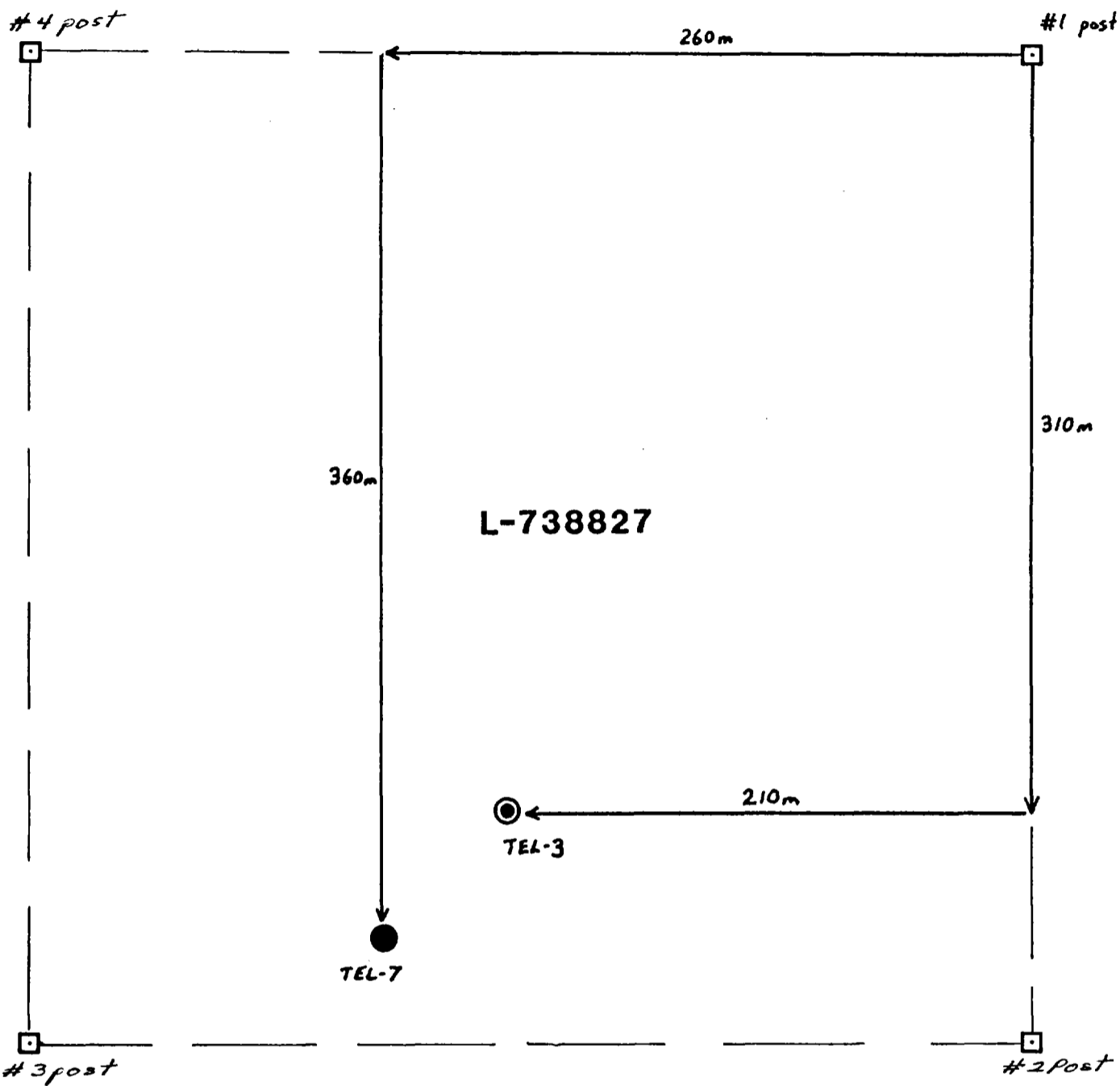
to - no shearing, only soft-sediment deformation ; bedding may be S^e - less

189.7 - greywacke dominant lithology ; carbonate alteration strong to moderate ; intensity decreases down hole ; grv common

(End of Hole) - occasional grv + py with yellow, sericitized halo ; minor sericitization in moderate, cm-scale bz zones

- 20 cm section at 169.95 is strongly sheared w sil/ser + py alteration ; 5 to 10% py

Feetage - From	To	Description	Sample No.	Length	Analysis	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet



Drawn by:		Traced by:		<i>D.D.H. s TEL-3, -7</i> <i>Location Map</i>
Revised by	Date	Revised by	Date	
Scale: 1:2500		Date:		Plate:

Drill Hole Record



Property **TELGAR** District **Cochrane** Hole No. **TEL-8**
 Commenced **October 19 / 1986** Location **Thackeray** Trip Tests at **16m (-44.5° → 351°), 55m Hor. Comp.**
 Completed **October 21 / 1986** Core Size **BQ** Corr. Dip **(-44.5° → 347°), 97m Vert. Comp.**
 Co-ordinates **1 - 10430W, 8150N** True Brg. **(-42.5° → 355°)** Logged by **D.S. Kerr**
 Objective **% Recov.** Date **October 23 / 86**

Depth - metres	Description	Sample No.	Length	Analysis
0 to 3.65	Overburden			
3.65 to 35.05	<p>Pillowed, iron-rich Tholeiitic Basalt;</p> <p>- pillow cores are massive green to dk grey, spider-bearing with common concentric veiling fractures; pillow margins to 15cm are vesicular with zoned grey limestone vesicles to 2mm; hyaloclastite pillow selvages to 30cm, with 2 to 5% py and are often the lens for later veining and alteration; strongly magnetic but magnetism destroyed by alteration described below</p> <p>- alteration increases in intensity and in porosity with depth, 24.1 to 35.05 nearly completely altered - thin gr. very common and these, together with abundant fractures, lenses lavender grey brecciated alteration envelopes a lens as wide as the vesicles themselves; where this brecciation (silicification?) is more intense, py & carb (not calc) also appear as alteration; vesicles in upper part of unit often in flow contacts or pillow contacts</p> <p>- unaltered carb stringers common above 24.1m; epi stringers absent</p> <p>- more intense alteration accompanied by brecciation</p>			
35.05 to 36.55	<p>Faulted Contact Zone:</p> <p>- 75% core recovery; upper 50cm largely brecciated purple/white QV, the py but more py in chlorite fault gouge; lower 100cm brecciated purple/green silicified cherty rhyolite (?) , non-magnetic, 2% pyrite</p>			

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Claim **L-739008**
 T Brg. **353°**
 Collar Dip **45°**
 Elev.
 Length **99m**
 Hole No. **8** Sheet **1**

Drill Hole Record



Property _____ District _____ Hole No. _____

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

Objective _____ % Recov. _____ Date _____

Footage - From To	Description	Sample No.	Length	Analysis
36.55 to 41.55	Grey / Pale Green / Pale Pink Broken, Silicified Rhyolite: - blocky, fault broken rock with chl bx matrix; to 2% py; non magnetic; numerous fine gv and occasional QV to 50cm; zoned grey-white irregular chalcidonic amygdules present only below 40.5 (possible altered basalt) - 38.6: 25cm highly silicified lath Ksp perphyric dyke; 2% py			
41.55 to 53.65	Grey / Maroon / Tan - Grey "Rhyolite" or Altered Basalt: - highly fractured, multicolored, highly siliceous rock, v.f.g. to 1 to 2% py and 10% chalcidonic amygdules to 5cm rarely with included rock fragments; gv gv and late QV to 4cm not uncommon; maroon and tan-grey celadon are fracture-related alterations - 42.75 to 43.2 Orange Hh. Porphyritic Syenite			
53.65 to 66.8	Rhyolite - dominantly Dk Maroon Grey: - moderately fractured, v.f.g. siliceous and massive rock with local fracture-related tan to pink bleached zones (less magnetic than alk, enltered rock) - chalcidonic amygdules absent; Cc + epi, py - filled subspherical amygdules much more common, often with tan to epidote-green bleached areas - 55.0 to 55.4 partially fuchsitized lamprophyre dyke			
66.8 to 70.95	"Rhyolite" and/or Highly Altered Basalt: - dk pink to maroon, siliceous, 1 to 2% py, very few gv or gv - 66.8 to 68.15: very weakly magnetic; amygdules Cc + chl - filled, not chalcidonic			

Claim _____

T Brg. _____

Collar Dip _____

Elev. _____

Length _____

Hole No. 8 Sheet 2

Drill Hole Record



Property _____ District _____ Hole No. _____

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

Objective _____ % Recov. _____ Date _____

Claim _____

T Brg. _____

Collar Dip _____

Elev. _____

Length _____

Hole No. 8 Sheet 3

Feetage	Description	Sample No.	Length	Analysis
From	To			
	- 68.15 to 70.95 : moderately magnetic ; small cc amygdules ; 5% chalcidonic amygdules			
	- strongly magnetic basal contact			
70.95 to 79.9	Rhyolite - Dk Grey / Maroon ; - v.f. agr. siliceous rock, about 40% allowed to pink maroon about fractures or rarely greeny-tan calcare (epi, see?) apparently post-dating red (hem?) alteration ; rare dk carb or epidy amygdules ; no chalcidonic amygdules			
79.9 to 85.45	Unurbanitized, non-magnetic Partly Altered Basalt ; - 79.9 to 80.5 : hydroclastic flow top with deep burgundy - colored hydro fragments in alkalic matrix, probable silicification overprint - 80.5 to 82.45 : near massive dk green flow with 10% pyrite, rare walled basalt fragments and several spherule stringers ; occasional chalcidonic amygdule - 82.45 to 83.15 : flow breccia as at 79.9 to 80.5 - 83.15 to 84.1 : highly siliceous hydroclastic with 1/2% py, trace sp - 84.1 to 85.05 : silicified massive flow, pale green, rare flow banding - 85.05 to 85.45 : as above but 35% of zone bleached pink by yellow stringers			
85.45 to 85.85	Brecciated to Sheared Contact Zone ; - grey-pink to maroon, moderately brecciated, highly silicified zone with 3 to 4% stringer py and 1cm ribbed shear band at 95°/e.s. about which is 5cm carbonized (cypsi) hole overprinting silicification			

Drill Hole Record

Scale
Colour Plot
& Dip

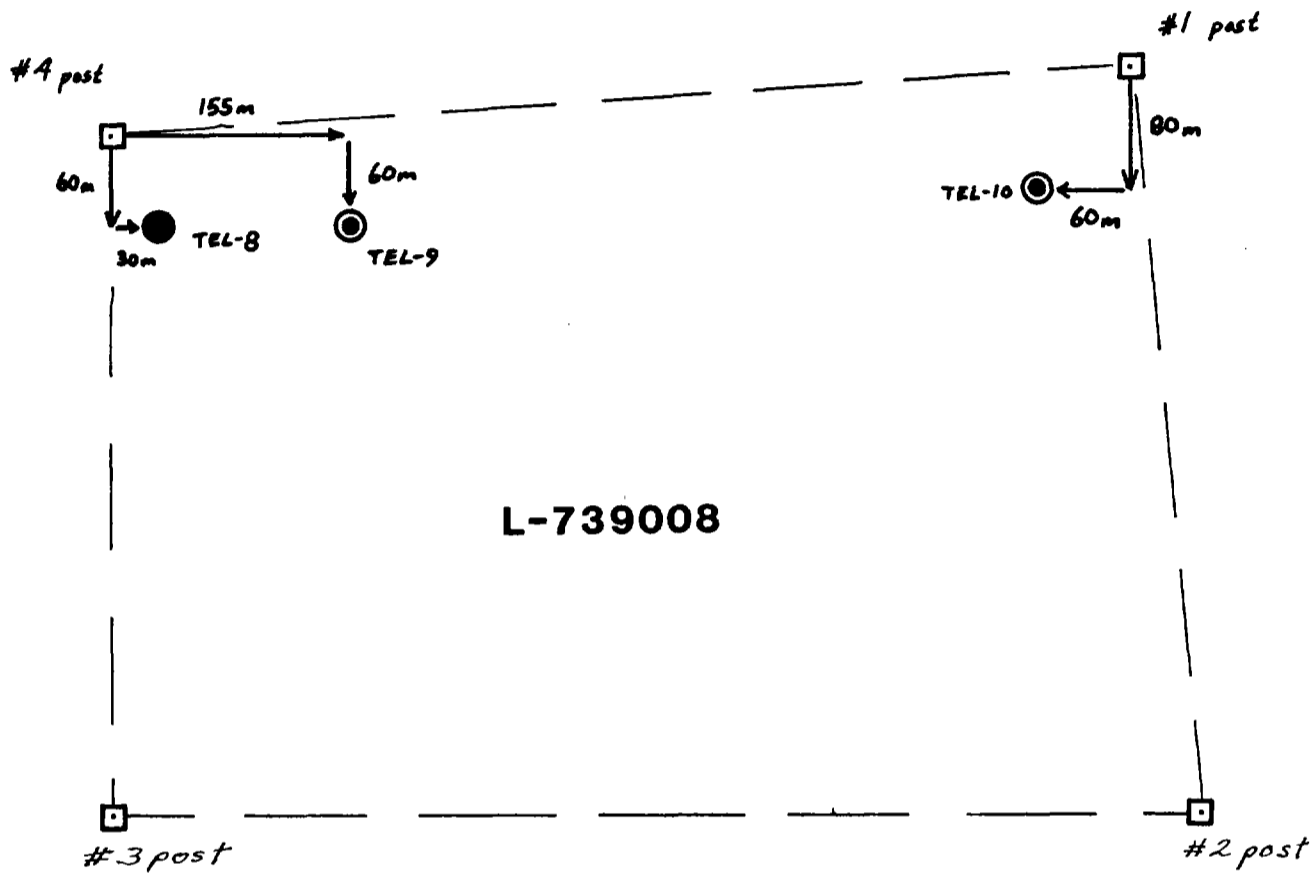


Property	District	Hole No.
Commenced	Location	Tests at
Completed	Core Size	Hor. Comp.
Co-ordinates	True Brg.	Vert. Comp.
Objective	% Recov.	Logged by
		Date

Claim
T Brg.
Collar Dip
Elev.
Length
Hole No. 8
Sheet 4

Depth - From To	Description	Sample No.	Length	Analysis
85.85 to 93.45	Grey / Maren / Pink-Tan Rhyclite ; - partly carbonated ; very weakly magnetic ; maren and tan colorations are feature - related alteration ; fr to 2% py ; minor kaolinitic ; thin veins of cl, qz, chl or py are common ; to 10% cl or more rarely qz or epid ; - filled congluclites ; trending slope suggests top south			
93.45 to 99.0	Altered Basalt ; - dk green to maren ; carbonated , pervasively silicified ; v. weakly magnetic , fracturing and v. weakly fairly vein ; mostly flow breccia (hyaloelastic at top) with highly hematized fragments and vein flow bending - porphyric syenite dykes at 93.75 to 94.45 (Kper/HB) and 97.1 to 97.35 (Kper)			
(End of hole)				

211-9497



Drawn by:		Traced by:	
Revised by	Date	Revised by	Date

D.D.H. s TEL-8, -9, -10

Location Map

Scale: 1:5000

Date:

Plate:

Drill Hole Record



Property **TELGAR** District **Cochrane** Hole No. **TEL-9**
 Commenced **October 22, 1986** Location **Thackeray Trip** Tests at **20m (-42.5'), 60m (-43')** Hor. Comp.
 Completed **October 24, 1986** Core Size **BQ** Corr. Dip **-43°** Vert. Comp.
 Co-ordinates **1-49W, 8450N** True Brg. **001°** Logged by **D.J. Kerr**
 Objective **% Recov.** Date **October 27, 1986**

Claim **L-739008**
 T Brg. **001°**
 Collar Dip **-43.5°**
 Elev.
 Length **65m**
 Hole No. **9** Sheet **1**

Feetage - metres From To	Description	Sample No.	Length	Analysis
0 to 3.0	Overburden			
3.0 to 3.65	Strongly Altered and Brecciated Variclitic Basalt: - 1/4s-colored, mostly comprised of vesicles to 1cm; strongly silicified, no scabrochazeha 1% py, 2% specular hematite; non-magnetic; 5mm to 1cm scale brecciation with qz matrix; lower contact lost			
3.65 to 15.95	Pillowed Iron-rich Tholeiitic Basalts: - massive, green pillow cores with concave ceiling features; variclitic (to 2m) pillow margins and hyaloclastic pillow selvages; pillows to 1m; margins and selvages to 30cm, up to 10% magnetite, 30% py and strongly carbonated			
15.95	Grey/Red, Poorly Laminated Chert Band			
15.95 to 38.3	Medium to Coarsely Variclitic Basalts: - mostly dk grey/df gr. to green-grey/fg gr. massive basalt with fine play and hb needles - less common variclitic selvages to 90cm wide with zoned, 3 to 12mm pink/green/grey vesicles with rare hb needles - minor scabrochazeha; strongly magnetic; cc±qz veins common, qv not so much so - Kspen perphyritic dykes at 21.85 to 22.1, 23.35 to 23.75			

Drill Hole Record



Property _____ District _____ Hole No. _____

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

Objective _____ % Recov. _____ Date _____

From	To	Description	Sample No.	Length	Analysis
38.3	46.65	<p>Variable Brecciated DK Mauve / DK Grey Massive Basalt:</p> <ul style="list-style-type: none"> - mostly f.g., poorly brecciated, strongly magnetic basalt with only minor carbonatic zebra and occasional gv or py stringer - 40.05 to 42.15 is intensely brecciated ('milled'), strongly silicified and bleached (cream-colored not lilac) but little py-alteration; similar fracture-related alteration in 2m hole to this zone - 44.55 to 45.35 chl lamprophyre dyke - basal contact (no chert) at 25' c.a. 			
46.65	49.15	<p>Rhyolite - mostly Altered:</p> <ul style="list-style-type: none"> - multicolored but pink/red - basalt; 2% py; non-magnetic except for hem/mag stringers - multitude of gv ± hem veins with red or bleached halos; no cc stringers - massive, relatively unbrecciated; patches of messy chl and py/pe clots in upper 25cm - occasional GV to 10cm with accessory spec. or py - 2cm lamprophyre veinlet at unit base may occupy fault plane 			
49.15	65.0	<p>Rhyolite - mostly Unaltered:</p> <ul style="list-style-type: none"> - multicolored but mostly dark tones; uncarbonated, rare cc stringer or cc-filled amygdale; nonmagnetic; 1 to 2% py, rare py/pe or py/lamg stringer; chl or gv stringers v. common, often core thin pale yellow to brick red alteration envelopes about fractures; fault gouge at 54.8 - orange/red Ksp or perphyritic dikes (to 5% chl/llh, 2% spec, 2% pyrite) at 57.3 to 57.75, 58.0 to 58.3, 58.9, 61.05 			

Claim _____

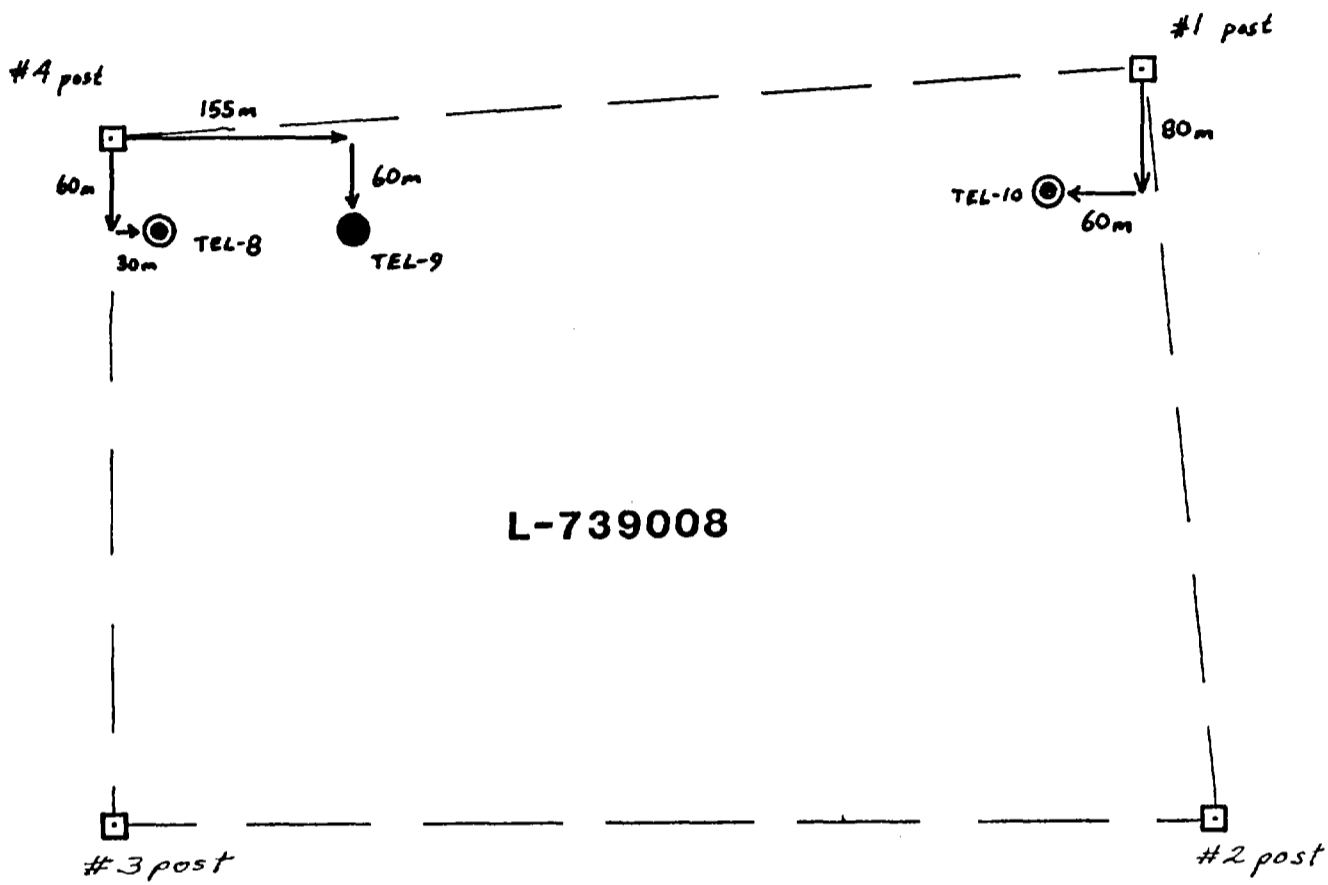
T Brg. _____

Collar Dip _____

Elev. _____

Length _____

Hole No. 9 Sheet 2



Drawn by:		Traced by:		D.D.H.s <u>TEL-8, -9, -10</u> <i>Location Map</i>
Revised by	Date	Revised by	Date	
Scale: 1:5000				Date:
				Plate:

Drill Hole Record



Property TELGAR District Cochrane Hole No. TEL-10
 Commenced October 24, 1986 Location Thackeray Twp Tests at 16m (-33.0° → 352°), Hor. Comp.
 Completed October 28, 1986 Core Size BQ Corr. Dip 53m (-39.5° → 358°), Vert. Comp.
 Co-ordinates 1-4+50W, 8+75N True Brg. 100m (-33.0° → 001°) Logged by D.J. Kerr
 Objective % Recov. Date October 31, 1986

Claim L-739008
 T Brg. 358°
 Collar Dip 45°
 Elev. _____
 Length 108m
 Hole No. 10 Sheet 1

Footage metres From To	Description	Sample No.	Length	Analysis
0 to 2.0	Overburden			
2.0 to 33.2	Pillowed Iron-rich Tholeiitic Basalts: - massive, fgr., magnetic epidote - to dk green pillow cores with concentric cooling features, vacuolated and to py; pillows 0.5 to 1.5m wide; margins to 15cm are vesicular (1 to 2mm zoned, spherical vesicles) and spherules to 25cm are hydroclastic with 5% py - few breccia zones common, to 1m wide - fairly common py stringers and gv, gv and ss stringers less so			
33.2 to 52.3	Pillowed Basalts / gv / Porphyritic Syenite and Melic Lamprophyre Dykes: - lithology the same as bounding units but concentration of veins and dykes causes additional alteration / brecciation; gv and Mg-chl stringers prevalent; some gv to 10cm, rarely with pyrite haloes - breccia zones with Kspc / Py / Mg-chl ± S.1 alteration at 33.4 to 33.8, 34.25 to 34.9 and at 35.1 with minor shearing also at high angle to S.1. - 39.7 to 40.75 Nestled Kspc porphyritic syenite dykes - 48.5 to 52.0.5 strongly carbonized, mafic bt lamprophyre dyke with abundant gv/py or Mg-chl stringers with potassically altered haloes; to 5% pyrite			
52.3 to 61.9	Pillowed Iron-rich Tholeiitic Basalts: - same as 2.0 to 33.2 but vesicles smaller; no post-volcanic brecciation and only minor gv or gv; Kspc porphyritic syenite at 56.25 to 57.0			



Drill Hole Record

Property _____ District _____ Hole No. _____

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

Objective _____ % Recov. _____ Date _____

Claim _____

T Brg. _____

Collar Dip _____

Elev. _____

Length _____

Hole No. 10 Sheet 2

Feetage- From To	Description	Sample No.	Length	Analysis
61.9 to 65.65	Flows Breccia : - moderately carbonatized ; zoned black or pink, hyaline to massive flow fragments to 3cm ore matrix - supported by finest green chl/act matrix, with up to 10% coarse, blebby py and rare gv with specular kersalite			
65.65 to 88.75	Green to DK Grey Coarsely Vesicular Basalt : - only about 20% of flows are vesicular (spherical, partly zoned, green to purple 5 to 12 mm dia) and vesicles become less distinct with depth ; to 3 1/2 py - 80% massive, v.f.gr., strongly magnetic, partly carbonatized flows with 1 to 2% py - occasional gv or gv ; dark gv (often red) with up to 5% py are quite common - 30cm QV (± crushed) at 72.05 bleches and pyrites adjacent basalt for 2m			
88.75 to 89.2	Quartz - veined Contact Zone : - mostly milky white QV to 20cm in tr py, spic ; coarsely brecciated and resseled with silice ; minor pyritization of basalt (contact lost) and pink/tan rhylite pyritized to 30% over 4cm adjacent to QV			
89.2 to 107.85	Tholeiitic Rhylite - DK Grey / Maroon - Pink / Green - Tan : - v.f.gr., massive, uncarbonatized ; up to 10% zoned white chalcidemic amygdules to 5cm with smooth to highly irregular boundaries ; markedly magnetic (dk grey) to non-magnetic (pink, tan) ; the latter clearly are tones imparted by fracture aureole alteration ; occasional cc amygdules (!)			

Drill Hole Record



Property _____ District _____

Commenced _____ Location _____ Tests at _____ Hole No. _____

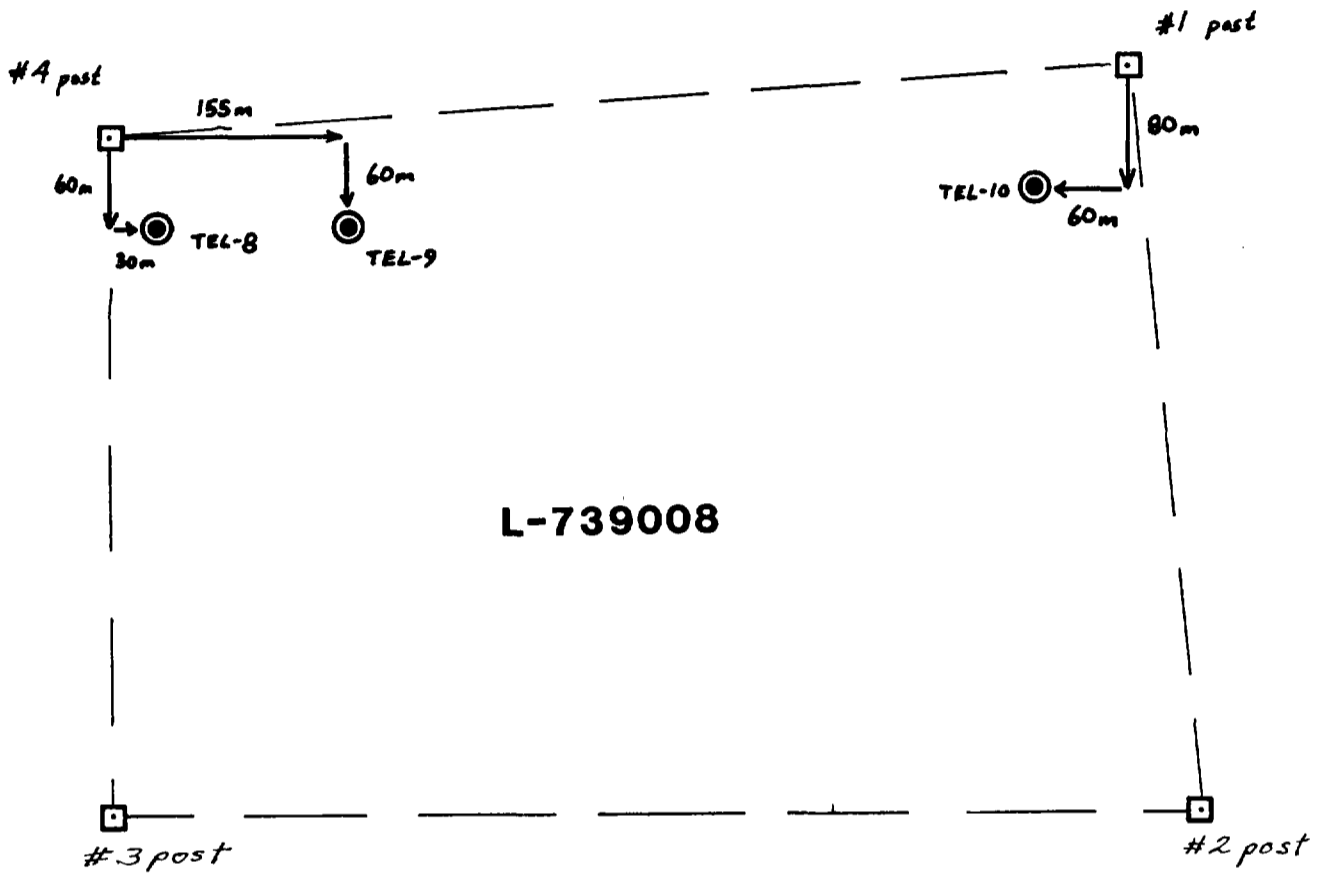
Completed _____ Core Size _____ Corr. Dip _____ Hor. Comp. _____

Co-ordinates _____ True Brg. _____ Vert. Comp. _____

Objective _____ % Recov. _____ Logged by _____

Date _____

Feetage		Description	Sample No.	Length	Analysis					
From	To				Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.
		- very minor brecciation; \pm to 2% disseminated pyrite, stringers rare								
		- gv & spic on py are very common, to 2cm wide								



Drawn by:		Traced by:		<p>D.D.H.s <u>TEL-8, -9, -10</u></p> <p>Location Map</p>
Revised by	Date	Revised by	Date	
Scale: 1:5000		Date:		Plate:



32005NW0023 16 THACKERAY

900

W8608-480 Mining

Name and Postal Address of Recorded Holder
COMINCO LTD. 2200-120 ADELAIDE ST. WEST | **A10043**
TORONTO, ONTARIO | **THACKERAY TWP.**

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed <i>4200</i> 5367 (1167 banked)	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.
	Prefix	Number		Prefix	Number		Prefix	Number	
	SEE	ATTACHED	LIST						
for Performance of the following work. (Check one only)									
<input type="checkbox"/> Manual Work									
<input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work.									
<input type="checkbox"/> Compressed Air, other Power driven or mechanical equip.									
<input type="checkbox"/> Power Stripping									
<input checked="" type="checkbox"/> Diamond or other Core drilling									
<input type="checkbox"/> Land Survey									

All the work was performed on Mining Claim(s): **L739008, 739009, 739020, 739022, 738827, 799256**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Hole No.	Footage	Diam. of Core	Angle	Dates Drilled
1	71m	BQ	-46°	Sept. 16-18, 1986
2	150m	BQ	-45°	Sept. 18-21 1986
3	290m	BQ	-55°	Sept. 22-27 1986
4	227m	BQ	-55°	Sept. 29 - Oct. 3 1986
5	205m	BQ	-55°	Oct. 4-7 1986
6	231m	BQ	-52°	Oct. 8-10, Oct. 14-15 1986
7	190m	BQ	-50°	Oct. 15-18 1986
8	99m	BQ	-45°	Oct. 19-21 1986
9	65m	BQ	-44°	Oct. 22-24 1986
10	108m	BQ	-45°	Oct. 24-28 1986
	<u>1636m</u>			
	<u>x 3.2808</u>			
	<u>= 5367.39 feet</u>			
	<u>REQUESTED - 4200.00</u>			
	<u>1167 FEET CREDIT.</u>			
	<u>PLEASE KEEP ON CLAIM L 739008</u>			

Drilled by: **Bradley Bros. Limited**
Timmins, Ontario NOV 13 1986

RECORDED
 NOV 13 1986

Date of Report: **Nov. 7/86**
 Recorded Holder or Agent (Signature): *[Signature]*

Certification Verifying Report of Work

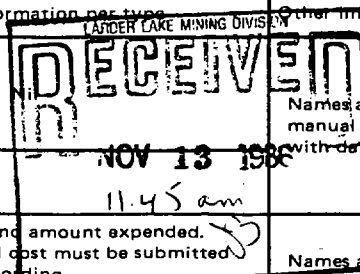
I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying
D.J. Kerr, c/o Cominco Ltd., 2200-120 Adelaide St. W., Toronto, Ontario
M5H 1T1

Date Certified: **NOV. 7. 1986**
 Certified by (Signature): *[Signature: David Kerr]*

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work			
Shaft Sinking, Drifting or other Lateral Work		Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		
Land Survey	Name and address of Ontario land surveyor.	Nil	



TELGAR PROPERTY
DIAMOND DRILLING

<u>CLAIM NUMBERS</u>	<u>DAYS PER CLAIM</u>	<u>CLAIM NUMBERS</u>	<u>DAYS PER CLAIM</u>
L. 716616 to 716629 INCL.	14 15 EACH	L. 735715 to 735722 INCL	8 15 EACH
L. 737620 to 737622 INCL.	3 15 EACH	L. 737440 to 737442 INCL.	3 15 EACH
L. 737960 to 737963 INCL.	4 15 EACH	L. 738005 to 738014 INCL.	10 15 EACH
L. 737965 to 737970 INCL.	6 15 EACH	L. 760504	1 15
L. 737972	1 15	L. 738587 to 738596 INCL.	10 15 EACH
L. 738742 to 738753 INCL.	12 15 EACH	L. 738617 to 738636 INCL	20 15 EACH
L. 738755	1 15	L. 738647 to 738664 INCL.	18 15 EACH
L. 738756	1 15	L. 738685 to 738688 INCL.	4 15 EACH
L. 738830	1 15	L. 738691 to 738718 INCL.	28 15 EACH
L. 739025	1 15	L. 738725 to 738732 INCL.	8 15 EACH
L. 739030	1 15	L. 738739	1 15
L. 739031	1 15	L. 738812 to 738816 INCL.	5 15 EACH
L. 739035	1 15	L. 738819 to 738823 INCL.	5 15 EACH
L. 739636 to 739640 INCL.	5 15 EACH	L. 739000 to 739004 INCL.	5 15 EACH
L. 799062 to 799066 INCL.	5 15 EACH	L. 739011 to 739019 INCL.	9 15 EACH
L. 799076 to 799081 INCL.	6 15 EACH	L. 760497 to 760503 INCL	7 15 EACH
L. 799262 to 799274 INCL.	13 15 EACH	L. 822273 to 822317 INCL.	45 15 EACH
L. 738667 to 738683 INCL	17 15 EACH		153



Name and Postal Address of Recorded Holder CO. CO LTD.	Prospector's Licence No. A.10043
2200-120 ADELAIDE STREET WEST, TORONTO, ONTARIO M5H 1T1	

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 811	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.	
	Prefix	Number	Work Days Cr.		Prefix	Number	Work Days Cr.		
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey	L	739000	41	L	739008	41	L	739016	40
		739001	41		739009	41		739017	40
		739002	41		739010	41		739018	40
		739003	41		739011	40		739019	40
		739004	41		739012	40			
		739005	41		739013	40			
		739006	41		739014	40			
		739007	41		739015	40			

All the work was performed on Mining Claim(s): L.739008-739009-739020-738827-799256

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Credit attached to Claim L.739008 811 days
See Report 20/87
Drilled by Bradley Bros. Limited
Timmins, Ontario

RECORDED
MAR 12 1987
Receipt # _____

RECEIVED
MAR 12 1987
10:08am

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FIELD
RECORDS OFFICE
APR 9 1987
RECEIVED

Date of Report March 2/87	Recorded Holder or Agent (Signature) <i>[Signature]</i>
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Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying R.C. LaRoche, 2200-120 Adelaide Street West; Toronto, Ontario	Date Certified March 2, 1987	Certified by (Signature) <i>[Signature]</i>
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Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.	Nil	Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyor.		Nil



20/87

Supply required data on a separate form for type of work to be recorded (see table below). For Geo-technical work use form no. 1362 "Report of Work (Geological, Geophysical, Geochemical and Expenditures)".

Mining Act

Name: COMINCO LTD. Address of Recorded Holder: 2200-120 ADELAIDE STREET WEST, TORONTO, ONTARIO M5H 1T1 Prospector's Licence No.: A-10043

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 356	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.
	Prefix	Number	✓		Prefix	Number	✓		Prefix	Number	✓	
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey	L	738690	✓	14.6	L	738665	✓	24.2	L	739024	✓	24.2
		738721	✓	14.2		738684	✓	24.2		739036	✓	24.2
		738733	✓	14.2		738719	✓	24.2				
		738740	✓	14.2		738720	✓	24.2				
		738741	✓	14.2		738723	✓	24.2				
		739005	✓	14.2		738735	✓	24.2				
		739006	✓	14.2		738817	✓	24.2				
		739007	✓	14.2		738818	✓	24.2				

All the work was performed on Mining Claim(s): L739008, 739009, 739020, 739022, 738827, 799256

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Drilled by Bradley Bros. Limited
Timmins, Ont
See Attached Work Report

5367 - Drilled
4200 - Applied Report
480/86
Bal for future use 1167

Credit attached to Claim L.739008 = ~~1367~~ ¹¹⁶⁷ days
Less Credits Requested Above = 356 days - filed Jan 21/87
Days Credit Remaining on claim L.739008 = 1011 days

811 - Bal for future use

RECEIVED
JAN 21 1987
10:50am
B

RECORDED
JAN 21 1987
Receipt # _____

Date of Report: Jan. 20, 1987
Recorded Holder or Agent (Signature): [Signature]

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: R.B. Cook, Cominco Ltd. 2200-120 Adelaide St. W., Toronto, Ontario M5H 1T1

Date Certified: JAN. 20, 1987
Certified by (Signature): R.B. Cook

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.	Nil	Nil
Land Survey	Name and address of Ontario land surveyer.		

Summary of work performance and Distribution of Credits

Total Work Days Claimed 5367	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.	Mining Claim	
	Prefix	Number		Prefix	Number		Prefix	Number
SEE ATTACHED			LIST					
for Performance of the following work. (Check one only)								
Manual Work								
<input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work.								
<input type="checkbox"/> Compressed Air, other Power driven or mechanical equip.								
<input type="checkbox"/> Power Stripping								
<input checked="" type="checkbox"/> Diamond or other Core drilling								
<input type="checkbox"/> Land Survey								

All the work was performed on Mining Claim(s): **L.739008, 739009, 739020, 739022, 738827, 79925**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Hole No.	Footage	Diam. of Core	Angle	Dates Drilled
1	71m	BQ	-46°	Sept. 16-18, 1986
2	150m	BQ	-45°	Sept. 18-21 1986
3	290m	BQ	-55°	Sept. 22-27 1986
4	227m	BQ	-55°	Sept. 29 - Oct. 3 1986
5	205m	BQ	-55°	Oct. 4-7 1986
6	231m	BQ	-52°	Oct. 8-10, Oct. 14-15 /
7	190m	BQ	-50°	Oct. 15-18 1986
8	99m	BQ	-45°	Oct. 19-21 1986
9	65m	BQ	-44°	Oct. 22-24 1986
10	108m	BQ	-45°	Oct. 24-28 1986
	<u>1636m</u>			
	x 3.2808			
	= 5367.39 feet			
	REQUESTED - 4200.00			
	1367 FEET CREDIT.			
	PLEASE KEEP ON CLAIM L 739008			
			Drilled by: Bradley Bros. Limited Timmins, Ontario	
			Date of Report Nov. 7/86	Recorded Holder or Agent-(S) <i>[Signature]</i>

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed it or witnessed same during and/or after its completion and the annexed report is true.

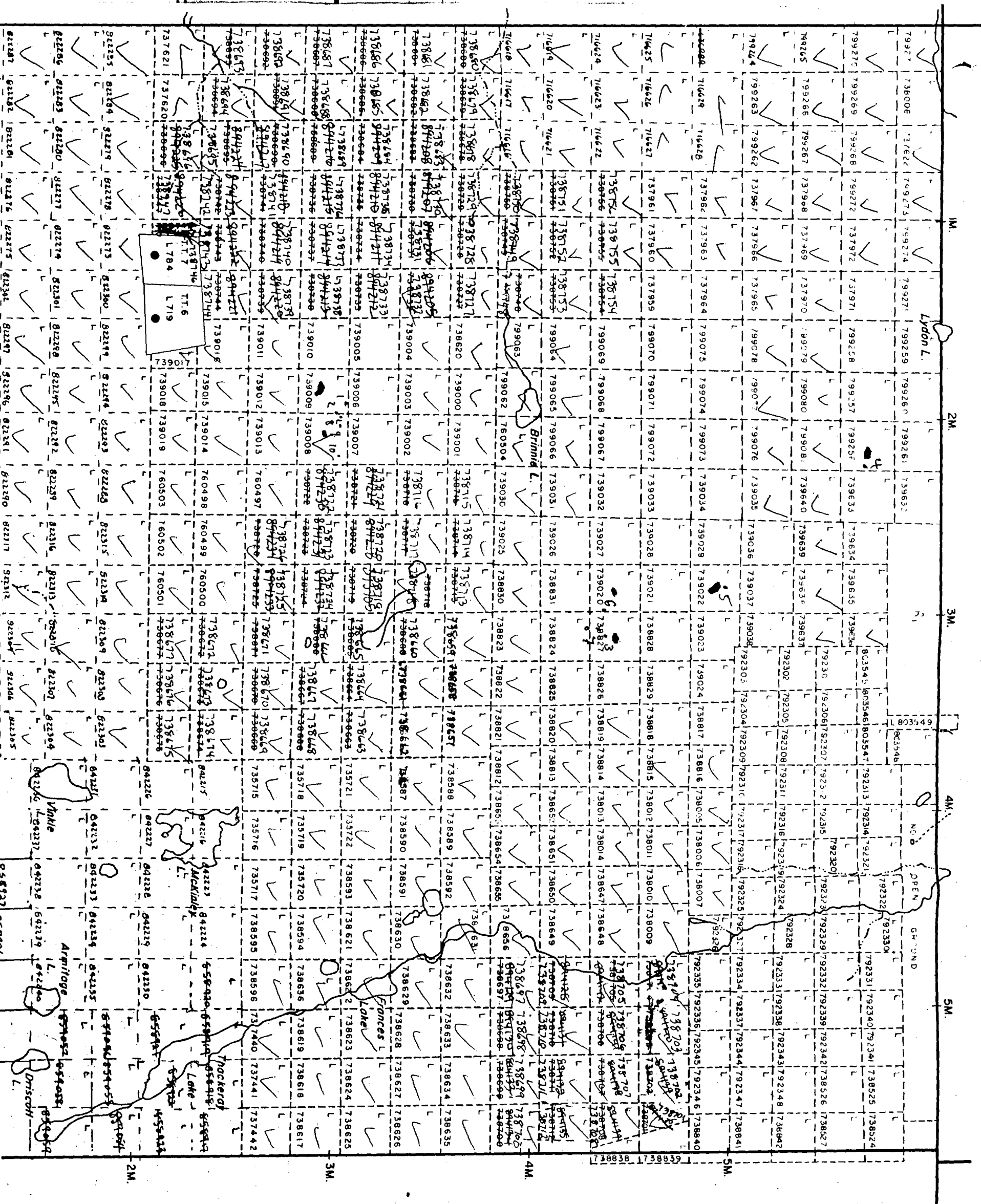
Name and Postal Address of Person Certifying
D.J. Kerr, c/o Cominco Ltd., 2200-120 Adelaide St. W., Toronto, Ontario
M5H 1T1

Date Certified: **NOV. 7. 1986**
 Certified by (Signature): *[Signature: David Kerr]*

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attach
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketc are require the locator extent of w relation to nearest clai
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketc above) in di
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		
F.J. Evelegh, P.O. Box 610, Matheson, Ontario POK 1N0			
		Date Certified Jan 12/87	Certified by (Signature) <i>[Signature: F.J. Evelegh]</i> F.J. Evelegh

GARRISON TWP.



ELLIOTT TWP.

LEGEND

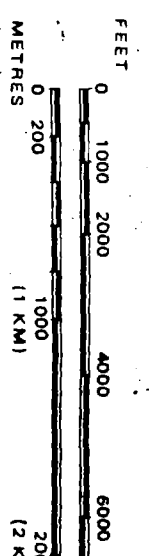
- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
- TOWNSHIPS, BASE LINES, ETC.
- LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
- LOT LINES
- PARCEL BOUNDARY
- MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN L

- TYPE OF DOCUMENT
- PATENT, SURFACE & MINING RIGHTS
- " SURFACE RIGHTS ONLY
- " MINING RIGHTS ONLY
- LEASE, SURFACE & MINING RIGHTS
- " SURFACE RIGHTS ONLY
- " MINING RIGHTS ONLY
- LICENCE OF OCCUPATION
- ORDER-IN-COUNCIL
- RESERVATION
- CANCELLED
- SAND & GRAVEL

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO 1913, VESTED IN ORIGINAL PATENTEE BY LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 6

SCALE: 1 INCH = 40 CHAINS



TOWNSHIP
T I A M I N T A W