



42A09SE0247 30 GUIBORD

010

Diamond Drilling

Township of GUIBORD

Report NO 30

Work performed by: Cominco Limited

Claim NO	Hole NO	METERS FOOTING	Date	Note
L 475780	D-1	188.7	Feb/78	(1)
	D-4	40.5	Mar/78	(1)
	D-5	213.1	Mar/78	(1)
	D-6	98.8	Mar/78	(1)
	D-7	176.5	Apr/78	(1)
L 475775	D-8	173.7	Apr/78	(1)
L 475777	D-2	182.9	Mar/78	(1)
	D-3	187.8	Mar/78	(1)

Notes:

(1) #197-78

Drill Hole Record



Property	GIB	District Larder Lake	Hole No.	D-1
Commenced	February 25, 1978	Location 76.2m. S of OBH-56	Tests at 61.0, 121.9, 182.9	Hor. Comp.
Completed	March 1, 1978	Core Size AQ (BQ to 38.1)	Corr. Dip 49° 47° 46°	Vert. Comp.
Co-ordinates	Lat 245.49m. Dep 3400.89m.		True Brg.	Logged by L. Bottomer
Objective	Test bedrock geochem. anomaly in OBH-56		% Recov. 100%	Date March 6, 1978

Claim L. 475780

T Brg. 360°

Collar Dip -50°

Elev.

Length

188.7m.

Hole No.

Sheet

Footage From To	Description	Sample No.	Length	Analysis
0 - 36.6	<u>CASING</u> - Overburden to 36.0			
36.6 - 37.2	<u>BASIC VOLCANICS</u> - Grey-green, fine-grained, massive, no foliation. A few thin carbonate and quartz veins @ 20° to core axis.			
37.2 - 39.9	<u>SYENITE</u> - Pink-green, medium-coarse-grained, massive, with dark hornblende and biotite set in a cream-pink K-feldspar rich matrix. 2-5% disseminated pyrite.			
39.9 - 42.8	<u>ACID DYKE</u> - Pink, fine-grained, hornblende porphyritic, sugary textured, massive. Thin (1mm) quartz veins @ 45° to core axis. Up to 2% disseminated pyrite in hornblende-rich areas and near contacts. Contacts sharp, upper one possibly chilled. Syenite ? inclusion 42.0 - 42.5.			
42.8 - 46.6	<u>SYENITE</u> - As for 37.2 - 39.9. Many thin (1mm) carbonate veins @ 40-60° to core axis, 1-2% disseminated pyrite. Moderate silicification (veins) and patchy pink pervasive alteration to 45.4, 45.9 - 46.5 strong pervasive red feldspar overprint			

Scale

Colour Plot
& Dips

Drill Hole Record



Property	District	Hole No.	D-1
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	
46.6 - 48.7	<u>ACID DYKE</u> - Brick red, fine-grained, sugary textured, massive. Hornblende-rich phase at lower contact 48.5 - 48.7. Quartz veins @ 50° to core axis, 2-3% disseminated pyrite. Sharp contacts (not sheared), post syenite.								
48.7 - 61.1	<u>SYENITE</u> - As for 37.2 - 39.9 Wide spaced carbonate veinlets, generally low pyrite (1%). Pink-red feldspar alteration throughout; 48.5 - 53.9 patchy, weak-moderate K-feldspar; 53.9 - 57.9 moderate, pink-cream K-feldspar; 57.9 on, strong, patchy, pink-red alteration. 2% disseminated pyrite. Small shears with intense local alteration 60.5, 60.8. - 58.5 - 59.4 Feldspar Porphyry (?lamprophyre). Pink-grey, fine-medium-grained, massive, fresh rock with large white K-feldspar ?phenocrysts to 2cm. Minor disseminated pyrite in matrix. Both contacts sharp, minor shears. - 61.1 Lower contact sharp, irregular, ?intrusive								
61.1 - 69.5	<u>BASIC VOLCANICS</u> - Dark green, fine-grained, massive. Ophitic plag. texture overprinted by clots of dark green amphibole. Many thin carbonate veins. Patchy cream-pink feldspar alteration throughout. - 68.6 - 68.9 Strong epidote-feldspar alteration with 5% pyrite								

 Hole No. 020-1
 Sheet 248

Drill Hole Record



Property	District	Hole No.	D-1	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
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						
69.5 - 71.2	<u>SYENITE</u> - As for 37.2 - 39.9, with moderate pink pervasive K-spar alteration throughout. Sharp upper contact @ 60° to core axis.									
71.2 - 71.6	<u>LAMPROPHYRE</u> - Pink-grey fine-medium-grained, even textured, massive, with 4-5% disseminated pyrite. Many thin, irregular carbonate veins. Contacts sharp @ 60° to core axis; weak sub-parallel foliation developed close to contacts.									
71.6 - 79.0	<u>SYENITE</u> - Unaltered portions similar to 37.2 - 39.9. - 71.9 - 73.1 Progressively bleached to grey, becoming strongly pyritic (8%). Shear contact @ 73.1 - 73.1 - 73.5 Vein silicification and pyritization (2-5%), increasing upwards to 73.1 - 73.5 - 74.8 Moderate pervasive feldspar alteration (groundmass porphyroblasts), thin carbonate veins, and small patches of red K-spar alteration along thin shears. 2% disseminated pyrite. Shear contact @ 74.8 - 74.8 - 76.8 Strong pervasive red feldspar alteration, with strong siliceous-pyritic alteration (veining) to 76.8 Up to 10% pyrite locally									
79.0 - 80.2	<u>FELDSPAR PORPHYRY</u> - Cream, massive, granular textured, with large (0.5-1cm) zoned feldspar and small quartz									

Scale

Colour Plot
& Dips

Drill Hole Record



Property		District	Hole No.	D-1	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
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											
	phenocrysts										
	- 79.0 - 79.3 Fine-grained, hornblende-porphyrific phase. Upper contact truncates altered syenite. Weak foliation @ 40° to core axis. Contact with main phase not cored.										
80.2 - 82.3	<u>BASIC VOLCANICS</u>										
	- Green, medium-coarse-grained, hornblende rich. Moderate to strong pervasive silicification to 82.1. Brecciated and veined near lower contact. High angle shear zone with quartz-carbonate veing 80.8 - 82.0										
82.3 - 88.1	<u>LAMPROPHYRE</u>										
	- Pink-grey, fine-medium-grained, fresh, even textured, massive, with 5% finely disseminated pyrite. Inclusions of basic material near upper contact. At lower contact, invades basic volcanics.										
88.1 - 88.4	<u>BASIC VOLCANICS</u> - as for 80.2 - 82.3, altered, brecciated										
88.4 - 89.2	<u>FELDSPAR PORPHYRY</u> - As for 79.0 - 80.2										
89.2 - 95.6	<u>SYENITE</u>										
	- Unaltered portions similar to 37.2 - 39.9. 3-4% pyrite throughout										

Drill Hole Record



Property	District	Hole No.	D-1
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
					D-1	548

Footage From To	Description	Sample No.	Length	Analysis					
	- 89.2 - 90.8 Strong pervasive feldspar alteration								
	- 90.8 - 94.3 Moderate pervasive feldspar alteration and silicification (grey quartz veins), with local strong brick red feldspar alteration								
	- 92.7 - 93.1 Lamprophyre, 4-5% disseminated pyrite, vein/shear contacts. Intense red feldspar alteration @ both contacts								
	- 94.3 - 95.6 Intense bleaching (? Kaolin alteration), increasing downwards. 4% disseminated pyrite								
95.6 - 96.6	LAMPROPHYRE								
	- Similar to 82.3 - 88.1, with 3% disseminated pyrite. Sharp contacts. Altered syenite inclusion @ 95.1								
96.6 - 103.2	FELDSPAR PORPHYRY								
	- Brick red, massive, sugary textured with abundant feldspar phenocrysts (2-4mm). Disseminated pyrite for 30cm. from upper contact. From 101.0 becomes increasingly bleached to cream-green, and invaded by diffuse glassy grey quartz veins								
103.2 - 109.4	SHEAR ZONE								
	- Siliceous-pyritic to 105.8, micaceous, schistose to 109.4								
	- 103.2 - 105.8 Upper part massive, grey, very siliceous, becoming more sericitic and pyritic (5-10% pyrite, disseminated and stringers) from 103.9. Weak foliation @ 30-40° to core axis. Apple green mica with pyrite in some areas.								



Drill Hole Record

Property	District	Hole No.	D-1
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. D-1
Sheet 648

Footage From To	Description	Sample No.	Length	Analysis					
	- 105.8 - 109.4 Intensely altered, schistose, sericitic (-clay?) rock. Cream to apple green, strongly veined (quartz and carbonate), with disseminated and stringer pyrite. Contact @ 105.8 shear @ 20° to core axis; lower contact abrupt, veined								
109.4 - 115.4	<u>MICROSYENITE</u> - Grey-pink, massive, medium-grained, with many rounded dark green inclusions (+ 1cm) of basaltic material, thin carbonate veins, no sulphides. Bleached upper contact, lower contact sharp, minor shear.								
115.4 - 122.2	<u>SYENITE</u> - Massive, green, medium-coarse-grained rock with prominent epidote alteration of feldspar from 117.0. Low pyrite content (1%). - 115.4 - 116.3 Sheared, with pink carbonate veining and alteration - 116.3 - 116.9 K-spar porphyroblasts developed. Shear contact @116.3 - 121.9 - 122.2 small dark green inclusions (?basalt). Contact @ 40° to core axis								
122.2 - 141.7	<u>BASIC VOLCANICS</u> - Dark green, fine-grained, massive. Thin carbonate veins and widespaced patches and veins of cream feldspar. Ophitic texture preserved in many places.								

Drill Hole Record



Property	District	Hole No.	D-1
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. D-1	Sheet 748
-------	--------	------------	-------	--------	-----------------	--------------

Footage From To	Description	Sample No.	Length	Analysis				
141.7 - 143.6	<u>SHEAR ZONE</u> - Altered syenite to 142.5, followed by core zone of red feldspar, grading into basaltic breccia - 141.7 - 142.5 Syenite, strongly altered. Pervasive red feldspar alteration increases in intensity to 142.5 - 142.5 - 142.7 Massive brick red feldspar zone - 142.7 - 143.6 Basalt breccia, consisting of rounded, grey-green fragments (0.5-1.5cm) in dark green, very fine-grained matrix. Red feldspar alteration to 143.0. Large white K-spar porphyroblasts (0.5-2cm) developed in matrix with decreasing frequency to 143.6. Lower contact diffuse.							
143.6 - 169.8	<u>BASIC VOLCANICS</u> - Dark green, fine-grained, chloritic. Occasional K-spar veining or porphyroblasts. Thin quartz veins, mostly @ 30° to core axis, and thin irregular carbonate veins. Up to 5% pyrite locally near quartz veins. - From 150.0 less chloritic, with widespread grey-green ?epidote-actinolite alteration. More variable texture, with inclusions of coarser material, and local brecciation (157.9, 162.2, 163.8). Latter possibly pillow margin fractures. Breccia zones with K-spar porphyroblasts and rounded basaltic fragments (as for 142.6 - 143.6) @ 144.0, 154.5 - 155.1, 156.7 - 157.6, 165.6 - 167.2. Latter zone with K-spar crystals up to 2.5cm. Lower contact sharp, irregular (sheared) @ 20° to core axis.							



Drill Hole Record

Sheet 8 of 8

Property	District	Hole No.	D-1
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. D-1
-------	--------	------------	-------	--------	--------------

Footage From To	Description	Sample No.	Length	Analysis				
169.8 - 185.9	<u>SYENITE</u> - Massive, medium-coarse-grained, with epidote and white-pink K-spar throughout. Latter floods matrix between hornblende grains, and appears to be more intense stage of alteration than epidote. Pervasive feldspathization increases towards both contacts, strong to 171.6 and from 184.7, producing massive, very tough rock. 5% pyrite to 170.4. Inclusion rich throughout, particularly towards contacts. Two types - pink, granular K-spar rich rock; and basaltic. Former more abundant, ranging to 6cm. Basalt inclusions (rounded, 0.5-2cm) most abundant towards contacts. Large basalt ?inclusions 178.4 - 178.8, 179.3 - 180.2, 183.6 - 183.9. Lower contact irregular; syenite appears to invade breccia zone.							
185.9 - 188.7	<u>BRECCIA ZONE</u> - Grey-green, rounded basalt fragments in fine-grained, dark ?chlorite matrix. Weak-moderate development of K-spar porphyroblasts or fragments - 187.1 - 187.5 Garnet-pyrite rich zone							
188.7	END OF HOLE							

*W. H. Peng -
for the Bottomer.*

Drill Hole Record



Property **GIB** District **Larder Lake** Hole No. **D-4**
 Commenced **March 15, 1978** Location **54.9m. N of OBH-56** Tests at **None** Hor. Comp.
 Completed **March 18, 1978** Core Size **AQ** Corr. Dip _____ Vert. Comp.
 Co-ordinates **Lat 2590m Dep 3410m.** True Brg. **180°** Logged by **L. Bottomer**
 Objective **Test bedrock Au geochem. anomaly in OBH-56** % Recov. _____ Date **March 30, 1978**

Claim **L. 475780**

T Brg. **180°**

Collar Dip **-50°**

Elev. _____

Length **40.5**

Hole No. **D-4** Sheet **1 of 1**

Footage From To	Description	Sample No.	Length	Analysis
0 - 32.3	CASING			
32.3 - 34.7	SYENITE - Massive, green rock; dark hbe and chlorite set in cream to pink feldspar matrix. Matrix strongly feldspathized to 33.5, moderate to 34.7. From 33.5 dark green hornblende aggregates (+ 5mm). 2-3% disseminated pyrite, higher locally.			
34.7 - 36.7	? SAND - No recovery			
36.7 - 41.5	SYENITE - Grey-green, massive, medium-coarse-grained rock. Matrix moderately feldspathized throughout, cream with some pink overprint in areas of shearing or vein development. Fine-grained intervals (?inclusions) 38.9, 40.5-50.8.			
41.5	END OF HOLE - Casing broke @ 29.3, hole abandoned.			

W. P. B. Ring for L. Bottomer

Scale

Colour Plot
& Dips

Drill Hole Record



Property	GIB	District	Larder Lake	Hole No.	D-5
Commenced	March 19, 1978	Location	73.2m. S of OBH-59	Tests at	64.0, 121.9, 182.9
Completed	March 29, 1978	Core Size	AQ	Corr. Dip	43° 42° 41°
Co-ordinates	Lat 2314.62m. Dep 3389.35m		True Brg.	360°	Logged by
Objective	Test bedrock Au geochem. anomaly in OBH-59			% Recov.	Date
					March 31, 1978

Claim
L. 475780T Brg.
360°Collar Dip
-47°

Elev.

Length
213.1Hole No.
D-5Sheet
1 of 6

Footage From To	Description	Sample No.	Length	Analysis						
0 - 59.1	<u>CASING</u>									
59.1 - 64.6	<u>GREYWACKE WITH SYENITE DYKES</u>									
	- 59.1 - 59.6 - Basic dyke, dark green, massive, fine-medium-grained, amphibole-biotite rock with scattered pink feldspar porphyroblasts.									
	- 59.6 - 64.6 - Greywacke. Massive, even textured, grey, pink or purple rock cut by many dykes. Dykes fine-grained, green, @ 60.7, 61.2-61.5, 61.8-62.9, 63.1-63.7, 64.0. Contacts generally irregular; 63.1 - 64.0, contact parallel to core axis									
	- 60.7 - 61.9 - grey-purple, with thin carbonate gash. veins.									
	- 62.9 - 64.6 - Pink (?oxidised), massive, minor carbonate veining, pyrite and hematite on some fractures									
64.6 - 68.9	<u>SYENITE</u>									
	- Massive, medium-grained with dark green hornblende set in cream feldspar-rich matrix. Many thin carbonate veinlets, + hematite. Minor disseminated pyrite (1%). Weak development of pink feldspar porphyroblasts, and matrix overprint. Both contacts chilled over about 20cm. Lower contact irregular vein/shear @ 10° to core axis.									
68.9 - 76.7	<u>GREYWACKE</u>									
	- Green-grey, massive, granular textured. Thin carbonate veining with minor pyrite and weak pink (?hematite) staining to 71.3, and locally elsewhere. Coarse cream-pink feldspar									



Drill Hole Record

Scale

Colour Plot & Dips

Property	District	Hole No. D-5
Commenced	Location	Tests at
Completed	Core Size	Hor. Comp.
Co-ordinates		Vert. Comp.
Objective		Logged by
		Date

Claim
T Brg.
Collar Dip
Elev.
Length
Hole No. D-5
Sheet 2 of 6

Footage From To	Description	Sample No.	Length	Analysis				
	patches with 2-3% 75.3-75.7. Thin syenite dykes 75.0-75.2.							
76.7 - 88.8	<u>SYENITE</u> Green, massive, medium-grained (similar to 64.6-68.9). Both contacts chilled, with higher biotite and disseminated pyrite. Cut by several dyke phases. Weak patchy pink alteration 77.9-83.9, many thin carbonate veins with pyrite and/or hematite. Hematite-carbonate vein breccia 78.8, 89.3. Microsyenite dykes, green, fine-grained 78.8-79.2, 86.1-86.3. Inclusion-rich lamprophyre 79.0, 79.9-80.3. Pink, granular rock with small white feldspar and biotite phens. Many inclusions, mostly syenite. Shear contact parallel to core axis.							
88.8 - 89.2	<u>GREYWACKE</u> - Grey, massive with many thin carbonate-hematite veinlets.							
89.2 - 89.8	<u>BASIC DYKE</u> - Dark green, medium-grained, massive, hornblende-biotite rock with small pink inclusions (?greywacke) and carbonate veinlets. Lower contact sheared.							
89.8 - 91.3	<u>LAMPROPHYRE</u> - Pink, massive to schistose, with many thin carbonate veinlets. Small biotite flakes and scattered dark green inclusions. Pyritic and more mafic towards upper contact.							

Scale

Colour Plot
& Dips

Drill Hole Record



Property	District	Hole No. D-5
Commenced	Location	Tests at
Completed	Core Size	Corr. Dip
Co-ordinates	True Brg.	Logged by
Objective	% Recov.	Date

Footage		Description	Sample No.	Length	Analysis	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. D-5	Sheet 3 of 6
From	To											
91.3	92.2	<u>BASIC DYKE</u> - As for 89.2 - 89.8. Many small pink ?greywacke inclusions. Lower contact sharp, irregular, @ 70° to core axis.										
92.2	134.9	<u>GREYWACKE</u> - Grey, even textured, massive, cut by thin carbonate veinlets. - 92.2 - 93.5 - Weak pervasive pink (hematitic) alteration. - 100.9 - 107.9 - Moderate-strong patchy pervasive feldspar alteration (30% of rock); altered portions consist of cream-pink feldspar, dark-green hornblende, and 2% disseminated pyrite. Irregular outlines, no directional control. - 107.9 - 112.2 - "Grey-feldspar" alteration. Similar to above, but consists of grey feldspar (hornblende-pyrite). 20-30% of rock. - 112.2 - 117.5 - Moderate, cream feldspar alteration (10-15% of rock). Rocks appear baked; from 114.6 have dev. of blue quartz blebs and some veins. Appears to be recrystallization of primary detrital quartz. Possible bedding @ 116.7 @ 55° to core axis. - 117.5 - 127.9 - Strong patchy cream-pink feldspar alteration (30% of rock). 5% pyrite 126.0 - 126.1. Lamprophyre dykes (massive, fine-grained, grey with black biotite flakes) 114.2-114.5, 115.4, 118.0-119.2, 123.1-123.5, 126.4-126.6. - 127.9 - 133.2 - Weak-moderate feldspar alteration (as above). From 131.4 hematite with thin carbonate veinlets. 132.0-132.2 Strong alteration (see 133.2 - 134.9)										

Scale

Drill Hole Record

Colour Plot
& Dips

Property	District	Hole No.	D-5
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
		- 133.2 - 134.9 - Strong alteration, massive feldspar and red staining dev. along shear parallel to core axis. 133.1-133.9, 134.1-134.9.							
134.9	135.7	<u>SYENITE</u>							
		- Massive, coarse-grained, feldspar-biotite rock. Weak pervasive feldspar alteration (cream-pink). Upper contact sheared, lower contact @ 30° to core axis.							
135.7	137.9	<u>GREYWACKE</u>							
		- Grey, massive (as before). Weak patchy cream feldspar alteration. Fine-grained green dyke with shear contacts @ 137.2. Thin carbonate veins with minor hematite staining. Lower contact @ 40° to core axis.							
137.9	149.4	<u>SYENITE</u>							
		- Green, massive, medium-coarse-grained. Weak-moderate development of cream-pink secondary feldspar in matrix, and epidote alteration. From 143.6, moderate to strong pervasive feldspar alteration, along with development of coarse biotite and hornblende. 3% pyrite over this section.							
149.4	168.4	<u>GREYWACKE</u>							
		- Light green-grey, massive, quartz grains up to 2mm. ?Bedding @ 163.7 @ 53° to core axis. Thin irregular carbonate veinlets (inc. near lower contact), local feldspar alteration and basic dykes.							

Sheet
4 of 6Hole No.
D-5



Drill Hole Record

Property	District	Hole No.	D-5
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. D-5
Sheet 5 of 6

Footage From To	Description	Sample No.	Length	Analysis						
	- 153.9 - 155.0 - Light grey-green basic dyke, with white and pink carbonate veins. Other thin dykes to 157.9.									
	- 161.5 - 161.8 - Cream-pink feldspar alteration									
	- 164.0 - 164.2, 164.5-164.6. Pink, granular acid dykes									
	- 161.3-161.4, 164.3-164.5, 167.5, 167.8-168.1, basic dykes, biotite-rich, similar to 168.4-176.3. Carbonate breccia zone with fragments of acid dyke @ 164.4									
168.4 - 176.3	<u>BASIC DYKE</u> - Dark green, mafic rich, with abundant small biotite flakes and pink siliceous inclusions. Thin carbonate veins. Contacts generally sheared or veined. Dykes of same composition to 179.5									
176.3 - 181.7	<u>GREYWACKE</u> - As before. Mafic dykes to 179.5, largest 177.2-177.6, 179.0-179.2. Dykes @ 178.0 has chilled contact. - 177.0 - 180.4 - Many thin carbonate veins - 177.0 - 181.4 - Pyritic, 3-4%, mostly as coarse diss. in altered sandstone. - 179.2 - 181.7 - Grey, with pervasive feldspar alteration (grey-cream), pyrite and thin chlorite veinlets									
181.7 - 213.0	<u>SYENITE</u> - similar to 137.9-149.4. Green, massive, medium-coarse-grained, with epidote alteration									

Scale

Drill Hole Record



Colour Plot & Dips

Property	District	Hole No.	D-5
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. D-5	Sheet 6 of 6
-------	--------	------------	-------	--------	--------------	--------------

Footage From	To	Description	Sample No.	Length	Analysis							
		and weak to strong pervasive feldspar alteration throughout.										
		Strong feldspar alteration 184.1-186.2, 188.7-190.0, 193.5-194.1, 195.1-197.5										
		Strong pyritization (+5%) associated with pink-brick red feldspar alteration 184.3, 184.9, 185.6, 194.0, 195.1-197.1. In latter zone, have two semi-massive bands of pyrite 2-3cm wide, with chloritic gangue.										
		Disseminated pyrite (5%) with rust red hematite-carbonate veins and feldspar alteration. 188.7-190.0, 197.1-197.5 coarse disseminated pyrite (5%) with moderate feldspar alteration and feldspar-ep. veining 205.0-207.6.										
		- Lamprophyre dyke, grey-brown biotite rich, with 3-4% disseminated pyrite, cuts pyritized zone 196.0-196.7, 196.9-197.0.										
		- Siliceous lamprophyre dyke, pink-grey with biotite phenocrysts, 1-2% pyrite 205.6-205.7, 207.2-207.3, 209.1-210.9. Contacts sharp @ 70-90° to core axis. Dyke @ 205.6 against local shear - ? post shear.										
213.0		END OF HOLE										



Drill Hole Record

Property GIB District Larder Lake Hole No. D-6
 Commenced March 30, 1978 Location 47.2m. N of OBH-56 Tests at 61.0 Hor. Comp.
 Completed April 1, 1978 Core Size AQ Corr. Dip -48° Vert. Comp.
 Co-ordinates Lat 2580.92m. Dep 3409.21m True Brg. 180° Logged by L. Bottomer
 Objective Test bedrock Au geochem. anomaly in OBH-56 % Recov. Date April 8, 1978

Claim L. 475780
 T Brg. 180°
 Collar Dip -50°
 Elev.
 Length 98.8m.
 Hole No. D-6
 Sheet 1 of 2

Footage		Description	Sample No.	Length	Analysis					
From	To									
0	31.7	<u>CASING</u>								
31.7	90.4	<u>SYENITE</u>								
		- Massive, medium-coarse-grained, green, + pink or cream mottling. Weak-moderate pervasive cream feldspar alteration of matrix throughout, often with dark green hornblende developed. Strong patchy feldspar alteration superimposed on pervasive, 31.7-34.0, 35.7-39.6, 46.3-48.2, 78.6-79.1.								
		- Red staining, locally along shears or pervasive associated with hematite - carbonate veining, 31.7-33.8, 35.7-36.6, 46.9-49.7, 52.4-53.6, 57.3-67.5, 69.0-72.8, 75.6-84.3. Hematite-carbonate veins 66.3, 69.2, 71.0, 71.6, 75.7. High disseminated pyrite over parts of these sections.								
		- 37.5 - 48.5 - Very variable texture. Greywacke inclusions (largest 39.6-40.3, 44.4-44.5), silicified vein/shear zones with disseminated pyrite 40.7-41.1.								
		- 41.3-41.8, 43.3-43.7 - strong local shearing with carbonate veining, chlorite and pyrite 44.3, 46.2 (@ 80° to core axis).								
		- From 49.5, rock generally even textured, with moderate feldspar alteration. Feldspar alteration weak from 76.2.								
		- 59.6 - 59.9 - Basic dyke; fine-grained, green								
		- 74.0 - 74.4 - Greywacke inclusion								
		- 79.7 - 79.8 - Lamprophyre dyke; grey-pink, fine-grained, with biotite flakes								

Scale
Colour Plot & Dips

Scale

Colour Plot & Dips

Drill Hole Record



Property	District	Hole No.	D-6
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim L.475780

T Brg. 180°

Collar Dip -50°

Elev.

Length 98.8m.

Hole No. D-6

Sheet 2 of 2

Footage From To	Description	Sample No.	Length	Analysis
90.4 - 96.3	<u>SHEAR ZONE</u> - Moderately siliceous; intense local shearing and dev. of foliated carbonate-sericite-pyrite rock 90.7-91.1, 92.4-92.5, 93.5-93.8, 94.9-95.3. Material between grey (?bleached), with variable carbonate veining and disseminated pyrite. Possibly altered inclusion-rich microsyenite of D-1 - grey with pink tinge, feldspar-rich, with dark green inclusions. Fine-grained disseminated pyrite throughout, 3-5% 93.0-93.8, 94.6-96.0 - 90.4 - 90.8 Sheared syenite, shearing, bleaching, carbonate and pyrite content increase to 90.8. - 95.3 - 97.2 Altered acid dyke. Grey, foliated rock to 96.0, quartz veining, bleaching to 97.2. Shear foliation @ 50-60° to core axis.			
96.3 - 98.8	<u>ACID DYKE</u> - Pink, fine-grained, granular textured, with a few K-feldspar phenocrysts to 3mm. 1-2% disseminated pyrite. Quartz veined, bleached to 97.2			
78.8	END OF HOLE			

W. H. P. King
for L. B. B. B.

Scale

Colour Plot
& Dips

Drill Hole Record

Property GIB District Larder Lake Hole No. D-7
 Commenced April 2, 1978 Location 67.1m. S of OBH-2 Tests at 76.2, 152.4 Hor. Comp.
 Completed April 6, 1978 Core Size AQ Corr. Dip -40° -33° Vert. Comp.
 Co-ordinates Lat 2463.49m Dep 3102.94m True Brg. 360° Logged by L. Bottomer
 Objective Test bedrock Au geochem. anomaly in OBH-42 % Recov. Date April 8, 1978

Claim L.475780
 T Brg. 360°
 Collar Dip -50°
 Elev.
 Length 176.5m.
 Hole No. D-7
 Sheet 1/3

Footage From To	Description	Sample No.	Length	Analysis					
0 - 62.2	<u>CASING</u>								
62.2 - 103.0	<u>GREYWACKE</u> - Light grey, massive, grain size 0.5mm, with sections of finer bedded argillite. Cut by irregular carbonate veins. Bleaching (cream or pale green) with veining in some areas. Minor pyrite on fractures. - Bedding: 63.1/55; 65.2/40; 66.9/43; 69.8/50; 73.4/58; 74.7/50; 78.7/45; 80.2/35; 84.7/47; 97.2/50. - 73.7 - graded beds fining down - 81.9 - 83.5 variable bleaching with carbonate veining. Local brecciation, fine disseminated pyrite - From 87.2 grain size 1mm, medium grey, flecked with white feldspar grains. - 93.0 graded beds, tops <u>up</u> hole								
103.0 - 105.7	<u>FELDSPAR PORPHYRY</u> - Grey-green, medium-grained, with irregular, diffuse contacts. White K-feldspar porphyroblasts 0.5-2cm. developed both in intrusive and adjacent greywacke.								
105.7 - 122.5	<u>GREYWACKE</u> - Medium-dark grey, massive, grain size 1mm, locally bleached. Bedding 118.0/53°. - 112.5 - 112.9 5mm. quartz vein @ 5° to core axis. Marginal bleaching, fine disseminated pyrite. Similar vein @ 114.9.								

Scale
Colour Plot
& Dips

Drill Hole Record



Property	District	Hole No.	D-7
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
					D-7	243

Footage From	To	Description	Sample No.	Length	Analysis						
		- 114.3 - 128.0 Carbonate veining common, with green-cream marginal bleaching, + disseminated pyrite in bleached zones									
122.5	130.5	<u>ARGILLITE</u> - grey, fine-grained, massive, commonly bedded. Fine-grained brown sphalerite stringers 125.4, 126.8. Bedding 122.7/52; 125.0/60; 128.3/66.									
130.5	143.3	<u>GREYWACKE</u> - as for 105.4-122.5 - 132.3-136.6, 143.0-143.6 Patchy cream - pale green bleaching. - 135.3 - 136.1 Basic dyke. Grey green, medium-grained, with small black biotite flakes and 2% fine disseminated pyrite - 143.3 - 143.4 Quartz vein									
143.4	152.5	<u>ARGILLITE</u> - Fine-grained, grey to purple in places. Bleaching + cordierite locally. Carbonate veining with disseminated pyrite. - Bedding: 143.9/70; 146.0/65.									
152.5	157.9	<u>GREYWACKE</u> - Grey, massive, 0.5-1mm, grain size, cut by carbonate veins.									

Scale

Colour Plot
& Dips

Drill Hole Record



Property	District	Hole No.	D-7
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	
157.9 - 161.2	<u>ARGILLITE</u> - Fine-grained, well bedded, with alternating grey and cream bands. Cordierite developed in grey bands. - 160.2 - 160.3 Basic dyke @ 15° to core axis. Carbonate veining with pyrite along contact. - Bedding: 158.8/65; 159.7/67; 160.9/63								
161.2 - 176.5	<u>GREYWACKE</u> - As for 105.5 - 122.5. Bedding 164.0/67°. Lost core 164.6 - 166.1. - From 166.6, cut by basic dykes. Grey-green, medium-grained, with white carbonate blebs and abundant biotite. Contacts generally irregular, at high angle to core axis, with carbonate veining. Bleaching, veining, local brecciation and fine-grained pyrite adjacent to contacts. - Dyke intervals, 166.6-166.7, 167.0-168.0, 168.2-169.6, 171.0, 171.3-171.6, 172.0-174.1 - 168.0 - dark brown sphalerite in carbonate veins at dyke contact - 168.2 - 169.6 Biotite altered to pale green ?muscovite								
176.5	END OF HOLE								

W. M. Little P. J.
for the Bottomer

Hole No.
D-7Sheet
343



Drill Hole Record

Property	GIB	District	Larder Lake	Hole No.	D-8
Commenced	April 8, 1978	Location	67.1m S of OBH-63	Tests at	61.0, 122.0
Completed	April 11, 1978	Core Size	AQ	Corr. Dip	43° 41°
Co-ordinates	Lat 3323.90m	Dep	2790.92m	True Brg.	360°
Objective	Test bedrock Au geochem. anomaly in OBH-63			% Recov.	Date April 12, 1978

Claim
L.475775T Brg.
360°Collar Dip
-50°

Elev.

Length
173.7mHole No.
D-8Sheet
143

Footage From	To	Description	Sample No.	Length	Analysis
0	42.1	<u>CASING</u>			
42.1	47.5	<u>BASIC DYKE</u> - Green, massive, medium-grained, even textured, cut by thin epidote-quartz veins. Weak foln./vein direction @ 50° to core axis. No sulphides. Fine-grained for 30cm. to lower contact.			
47.5	106.5	<u>GREYWACKE</u> - Grey, massive, grain size + 0.5mm. Some finer intervals with bedding or scour laminations: 53.0/50; 55.5/66; 70.1/40; 96.3/40. Little veining, except near dykes. - 49.4 - 50.0 Silicified, with thin grey quartz veins - 62.8 - 64.9 Pink-grey bleaching with quartz and chalcopryrite-pyrite stringers - 64.9 - 66.3 Increasing recrystallization, with thin dark green ?chlorite stringers. 2-3% pyrite from 65.2, carbonate veins from 65.8 - 66.3 - 67.8 Basic dyke. Grey-green, massive, medium-grained with carbonate veins. Around 67.4 have small pink siliceous inclusion. Lower contact sharp @ 50° to core axis - 70.4 - 81.1 Thin grey quartz veins (2mm); no marginal alteration - 85.6 - 86.9, 87.1 - 88.3 Basic dykes, similar to 66.3 - 67.8 sharp contact with fine-grained margins. Bleaching, local brecciation and veining of sediments 84.1 - 89.6 increasing near dyke contacts; 2% pyrite, mainly in veins. - 90.5 - 93.1 2-3% fine-grained pyrite with local veining and bleaching			

Drill Hole Record



Property	District	Hole No.	D-8
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.

D-8

Sheet

243

Footage From To	Description	Sample No.	Length	Analysis					
	- 93.1 - 93.2 Basic dyke with white carbonate blebs								
	- 93.4 - 93.7 Breccia zone; white-pink carbonate matrix								
	- 95.7 - 96.2, 97.6 - 97.7, 98.5 - 98.8, 102.1 - 102.2, 104.5, 105.2 - 106.2 Basic dykes, similar to 66.3 - 67.8. Pink siliceous inclusion in dyke 105.2 - 106.2								
	- 100.0 - 103.0 Epidote-quartz veining, strongest around 102.3								
106.5 - 124.2	<u>ARGILLITE</u> - grey to dark purple grey, fine-grained, massive, some bedded sections. Intervals of coarser greywacke. Bedding 104.2/32; 116.1/28. - 108.8 - 109.4 Epidote-quartz veining - 109.1 - 110.9, 113.4 - 120.4 Greywacke - 121.9 - 124.1 Buff bleaching adjacent to thin ?chlorite (-pyrite) stringers								
124.2 - 130.1	<u>GREYWACKE</u> - As before, Massive, tough rock (?baked). Bedding 125.1/48°								
130.1 - 134.6	<u>BASIC DYKE</u> - Light green, massive, with a few thin carbonate veins; 10-15cm chilled zone, local brecciation and alteration of sediments of contacts								
134.6 - 149.4	<u>GREYWACKE</u> - As before. Basic dykes (similar to 130.1 - 134.6) 138.4 - 138.7, 141.8 - 142.1, 144.5 - 144.6.								

Scale

Colour Plot & Dips

Drill Hole Record



Property	District	Hole No.	D-8
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 3 of 3

Footage From To	Description	Sample No.	Length	Analysis					
149.4 - 153.0	<u>ARGILLITE</u> - Banded, light and dark grey. Bedding 40-60° to core axis 150.6/38°; 151.8/60°								
153.0 - 169.8	<u>GREYWACKE</u> - As before. very little veining over most of interval - 153.9 - 155.3 1-2% pyrite in wide spaced quartz veins in recrystallized hostrock - 163.1 - 165.5 Diffuse grey quartz veins, minor pyrite								
169.8 - 173.7	<u>ARGILLITE</u> - Grey, fine-grained, spotted with grey cordierite porphyroblasts. Some greywacke sections.								
173.7	END OF HOLE								

*W. L. P. Eng
for h. Bottomer*

Drill Hole Record



Property GIB **District** Larder Lake **Hole No.** D-2
Commenced March 3, 1978 **Location** 68.6m S of OBH-21 **Tests at** 61.0, 121.9, 182.9 **Hor. Comp.**
Completed March 9, 1978 **Core Size** AQ **Corr. Dip** 43° 40° 37° **Vert. Comp.**
Co-ordinates Lat 2768.49m. Dep 3113.15m. **True Brg.** **Logged by** L. Bottomer
Objective Test bedrock geochem. anomaly in OBH's 21,38 **% Recov.** **Date** March 12, 1978

Claim L.475777
T Brg. 360°
Collar Dip -50°
Elev.
Length 182.9m.
Hole No. D-2
Sheet 145

Footage		Description	Sample No.	Length	Analysis			
From	To							
0	51.8	CASING - Bedrock @ 50.3						
51.8	66.1	<p>GREYWACKE</p> <p>- light grey, massive, even textured, with 0.5mm grains set in grey micaceous matrix with minor fine-grained pyrite/pyrrhotite.</p> <p>From 53.8-59.9 some sections appear baked - very massive, grey-purple, lacking sharp granular texture.</p> <p>55.2-55.3, 57.6-58.2 Basic dykes. Strongly weathered to brown sponge, broken core. Medium-coarse-grained, mafic.</p> <p>61.9-63.1 Lost core - possibly dyke as for 57.6-58.2, greywacke @ 61.9 appears baked.</p> <p>64.0-64.3 Basic dyke. As for 57.6-58.2 but fresher. Grey-green, coarse-grained, massive, amphibole rich. No pyrite. Sharp lower contact @ 30° to core axis.</p>						
66.1	67.3	<p>LAMPROPHYRE</p> <p>- medium grey, massive, medium-grained, even textured, biotite rich. Minor disseminated pyrite (1%). Both contacts sharp, lower one possibly chilled. Wide spaced thin carbonate veins. Large (4cm) greywacke inclusion @ 66.4; a few basic inclusions towards lower contact.</p>						
67.3	69.0	<p>BASIC DYKE</p> <p>- as for 61.0-64.3 Grey-green, coarse-grained (2-3mm), massive, consisting of actinolite and biotite. No pyrite.</p>						



Drill Hole Record

Property	District	Hole No. D-2	
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. 0-2
 Sheet 245

Footage From	To	Description	Sample No.	Length	Analysis					
69.0	69.2	<u>GREYWACKE</u> - As for 51.8-66.1.								
69.2	95.6	<u>ARGILLITE</u> - Grey, massive, fine-grained, well bedded in part @ 50-70° to core axis. Cut by thin (0.5mm) carbonate-pyrite stringers, locally with sphalerite and galena. Sphalerite veinlets 74.1-74.4, 78.5-83.1, traces 85.0-86.6, 87.9-89.0, 91.9. Graded bed, fining upwards @ 78.0. 75.3-75.6 Basic dyke, moderately weathered. Similar to 67.3-69.0								
95.6	114.5	<u>GREYWACKE</u> - Turbidite unit, beds 20-80 cm thick, grading in some, grey, massive, with lmm. quartz and white feldspar grains and a few dark rock fragments in micaceous matrix with +1% fine-grained pyrite. 100.4 - 15cm bed, fines upwards from fluted (scour?) base. 110.5 - fining direction up. Trace sphalerite 95.7, 98.3, 101.5-101.8, 106.8, 107.0-109.3, 113.0, 114.0 110.0-110.3 - Basic dyke. Fine-medium-grained, green-grey. Quartz veining and disseminated pyrite at both contacts.								
114.5	115.4	<u>ARGILLITE</u> - Fine-grained, very well bedded @ 60° to core axis., with alternating light grey and green-								

Scale

Colour Plot
& Dips

Drill Hole Record



Property	District	Hole No.	D-2
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					Hole No. D-2
				Claim	T Brg.	Collar Dip	Elev.	Length	
	grey beds, average 0.5cm. thick. Grading direction up.								
115.4 - 127.7	<u>GREYWACKE</u> - Grey, massive, 1mm grains, little apparent grading. Bedding 126.8/60°. Sphalerite blebs/stringers 115.8, 116.1. 115.8-116.9, 116.7-117.0, 118.3-120.2, 1cm quartz(-feldspar) vein, parallels core axis. Pale green marginal alteration. Barren except for minor fine-grained pyrrhotite 116.7-117.0. 124.7-125.1 - Basic dyke. Grey-green, massive, with biotite phenocrysts up to 6mm. No pyrite. Upper contact irregular, local brecciation of greywacke.								
127.7 - 129.9	<u>ALTERED BASIC DYKE</u> - Fawn-grey, even textured, with abundant 1-2mm laths of khaki coloured material - altered biotite? No pyrite. Upper contact concordant with 1-2cm chill zone. Lower contact discordant with 2-3cm chill zone. 128.3 - 1cm carbonate vein, bleaching near contacts 128.7-128.8 - Breccia zone; 10cm core of carb. and grey feldspar (?), with fragments of wallrock and 5% disseminated pyrite. Bleaching and veining for 20cm. either side. 129.0-199.3 - Greywacke (inclusion?)								
129.9 - 182.9	<u>ARGILLITE</u> - Fine-grained, well bedded @ 45-65° to core axis, with alternating light and dark grey layers.								

Sheet
345



Drill Hole Record

Scale
Colour Plot
& Dips

Property	District	Hole No.	D-2
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.	
	Many small intrusives. From 139.0 pelitic layers develop small grey spots - ? cordierite; well developed around 150.0, 159.0.									
	Beds fining upwards @ 145.5, 146.9.									
	Trace sphalerite(-gn) 143.3, 144.3-144.6, 150.0, 151.6, 153.2, 154.7-158.2, 162.0, 181.2-181.7.									
	131.1 - 134.9 - Basic dyke, as for 124.7-125.1									
	134.7 - 135.3, 137.8 - 138.1, 139.1 - 140.5, 142.4 - 142.5, - As for 127.7-129.9, Grey, - massive, fine-medium-grained, with 1-2mm fawn laths, ? offer biotite. No pyrite.									
	Thin carbonate veinlets throughout, 5cm. spacing.									
	142.9 - 143.9 - Coarse greywacke, Clasts up to 5mm, av. 1-2mm.									
	151.9 - 152.1 - Basic Dyke. Medium-grained, green, actinolite rich. Cut by irregular carbonate vein; dark brown sphalerite blebs at vein margins and as fine diss. in dyke. Contacts discordant, 30° to core axis.									
	153.0 - 153.8 - Basic dyke. Massive, fine-medium-grained, grey-green, with black biotite flakes (1-2mm) throughout. Strong quartz veining, causing local brecciation, with dark brown sphalerite along vein/host rock contact @ 152.2. Contacts irregular, discordant, @ 15° to core axis.									
	154.1 - 154.5 - Basic dyke. Massive, medium-grained, grey-green. Contacts near concordant, sediments at upper contact baked.									
	160.2 - 160.8 - Greywacke									
	116.0 - 166.9 - Breccia zone. Sed. fragments (0.5-1cm) set in carbonate matrix with fine-grained pyrite and minor sphalerite. 5% sulphides overall									

Sheet. 445
 Hole No. 0-2

Drill Hole Record



Property	District	Hole No.	D-2
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.
					D-2

Sheet 5 of 5

Footage From	To	Description	Sample No.	Length	Analysis					
		169.8 - 169.9, 170.1 - 171.0, 172.5 - 172.6, 179.6 - 180.3 - Basic dyke, as for								
		124.7 - 125.1, 10-15% black biotite flakes, abundant thin carbonate veins, No pyrite.								
182.9		END OF HOLE								

*W.M. Smith P-Eng.
for the Bottomer.*

Scale

Colour Plot
& Dips

Drill Hole Record



Property	GIB	District	Larder Lake	Hole No.	D-3
Commenced	March 10, 1978	Location	39.6m. N of OBH 39	Tests at	61.0, 121.9, 182.9
Completed	March 13, 1978	Core Size	AQ	Corr. Dip	46°, 42°, 41°
Co-ordinates	Lat 3017.84m. Dep 3116.26m.		True Brg.	Logged by L. Bottomer	
Objective	Test for north-dipping vein system below OBH's 38 and 39			% Recov.	Date March 17, 1978

Claim L.475777

T Brg. 180°

Collar Dip -50°

Elev.

Length 187.8m.

Hole No. 0-3

Sheet 145

Footage From To	Description	Sample No.	Length	Analysis
0 - 46.3	<u>CASING</u>			
46.3 - 46.9	<u>BASIC DYKE</u> - green-grey, fine-grained, massive, with 1-2% disseminated pyrite. 2-3mm quartz(-feldspar) veins @ 30° to core axis. Lower contact sharp (veined) @ 20° to core axis.			
46.9 - 53.9	<u>GREYWACKE</u> - grey, massive, 0.5-1mm grains in micaceous matrix. Scattered 1mm. pyrite cubes. 49.1 - 49.8 - Argillite. Fine-grained, grey, massive. 49.8 - 50.6 - Basic Dyke. Similar to 46.3-46.9 medium-grained, with some coarse biotite (→3mm) in green ?chlorite-actinolite. Mod. foliation @ 30° to core axis. Upper contact irregular, intrusive. 51.1 - 52.3 - Quartz veining @ 20° to core axis. Thin except for 5cm. vein @ 51.5.			
53.9 - 57.8	<u>ARGILLITE</u> - Dark grey, fine-grained, shaly, with some greywacke interbeds. 54.3 - 55.2 - Feldspar porphyry. Abundant 1-3mm. white feldspar phenocrysts in light grey-pink siliceous matrix with black biotite/chlorite flakes and 3% finely disseminated pyrite. Foliation # 35° to core axis Upper contact slightly discordant @ 45° to core axis, lower contact bleached, difficult to define.			



Drill Hole Record

Property	District	Hole No.	D-3
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
					D-3	2 of 5

Footage From	To	Description	Sample No.	Length	Analysis					
		55.2 - 55.6 - Basic dyke. Light grey, feldspar-rich rock. Strong foliation @ 40° to core axis towards upper contact. Strong bleaching along thin quartz (-chlorite) veins @ 60° to core axis from 55.0-55.3 and around argillite inclusions. Lower contact sharp, discordant @ 80° to core axis.								
		57.2 - 57.7 - Basic dyke, similar to 55.0-55.3. Cream-grey, feldspathic, strongly foliated @ 10° to core axis. Argillite inclusions with marginal bleaching. Lower contact sawtooth.								
57.8	59.1	GREYWACKE - As for 46.9-53.9								
59.1	60.4	ARGILLITE - Light grey-cream, fine-grained, well bedded @ 15-35° to core axis. Bleached, with fine ?cordierite spots.								
60.4	70.2	FELDSPAR PORPHYRY - Grey, massive, with abundant 2-3mm feldspar phenocrysts (some to 10mm) in grey ?feldspathic matrix with small biotite flakes and 2% disseminated pyrite. 61.6 - 67.4 - Bleached zone (?qtz-kaolin altn.) with 5% disseminated pyrite. 68.0 - 69.8 - Matrix pink, mafics altered to fawn ?sericite. Upper contact near concordant, lower contact minor shear @ 20° to core axis.								

Drill Hole Record



Property	District	Hole No.	D-3
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. D-3	Sheet 345
-------	--------	------------	-------	--------	--------------	-----------

Footage From To	Description	Sample No.	Length	Analysis				
70.2 - 87.9	<u>GREYWACKE</u> - Grey, massive, with detrital biotite/chlorite. Beds up to 3m, some graded, 0.5-2mm grain size @ base, 0.1-0.2mm @ top. Grading with tops up hole @ 75.7. Thin quartz stringers with fine-grained pyrite/pyrrhotite. Dark brown sphalerite in thin carbonate stringers 77.4-78.5, 78.9. 75.1-76.0, 81.1-83.2, Quartz-feldspar veining (0.5-2cm. veins). No sulphide.							
87.9 - 111.0	<u>ARGILLITE</u> - Grey, massive, bedding @ 25° to core axis. Grain size 0.1-0.2mm, with some greywacke interbeds. Grading with tops up hole @ 105.8. 89.0 - 10cm. basic dyke. Green, biotite - ?actinolite rock. 100.0 - 100.3 - Basic dyke. Grey-green, medium-grained, even textured, with black biotite flakes in ?chlorite-actinolite. Irregular contacts with argillite inclusions.							
111.0 - 111.4	<u>BASIC DYKE</u> - As for 100.0 - 100.3. Green, massive biotite-actinolite rock with 2% disseminated pyrite. Shear contact @ 111.4, inclusion of feldspar porphyry @ 111.3.							
111.4 - 121.0	<u>FELDSPAR PORPHYRY</u> - More mafic than 60.4-70.1. Well defined grain size and mineral gradation in from contacts; marginal phase is dark grey hbe-biotite-feldspar rock with occasional feldspar phenocrysts.							

Scale

Colour Plot
& Dips

Drill Hole Record



Property	District	Hole No.	D-3
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.	D-3	Sheet	4 of 5
-------	--------	------------	-------	--------	----------	-----	-------	--------

Footage From To	Description	Sample No.	Length	Analysis				
	Towards centre have increase in number and size of K-spar phenocrysts (0.5-1cm) in grey-pink matrix. Weak fol. @ 40-60° to core axis.							
	114.3 - 116.7 - Strongly bleached, with 2-3% disseminated pyrite. Pink matrix and feldspar staining 113.7-118.0. Lower contact chilled over 30cm.							
121.0 - 126.5	<u>ARGILLITE</u> - Dark grey, shaly to 123.5. Medium grey from here, with local veining and bleaching. 126.2 - 1cm. quartz-feldspar vein @ 10° to core axis.							
126.5 - 138.7	<u>GREYWACKE</u> - As for 70.1-87.8 Trace sphalerite @ 129.8, 133.4							
138.7 - 140.2	<u>ARGILLITE</u> - As for 123.5 - 126.5							
140.2 - 142.3	<u>GREYWACKE</u> - Graded bed with tops <u>down</u> hole @ 140.2							
142.3 - 146.6	<u>ARGILLITE</u> - From 145.1, light green-cream bleaching with quartz(-feldspar) + (-pyrrhotite/pyrite) veining							
146.6 - 159.7	<u>GREYWACKE</u> - As for 70.1-87.8 Graded beds with tops <u>down</u> hole @ 146.6, 151.5. 157.0 - 160.0 - Strong local bleaching with thin quartz veins. 157.1 - 158.0 - Basic dyke. Grey-green, massive, with biotite flakes up to 5mm. Both contacts fine-grained.							

Scale

Colour Plot
& Dips

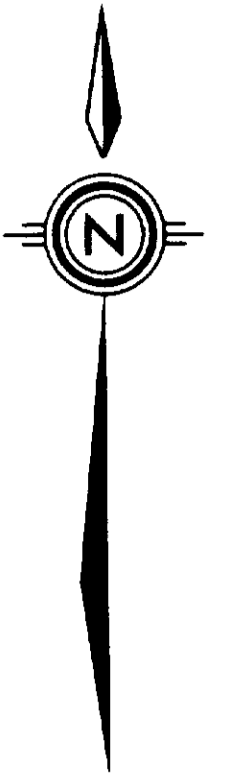
Drill Hole Record



Property	District	Hole No.	D-3
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	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
From	To											
159.7	187.8	<u>ARGILLITE</u> - Light grey, fine-grained, generally well bedded @ 40° to core axis. Spotted (cordierite) texture. Thin carbonate veinlets with pyrite and minor sphalerite. Sphalerite 160.6, 163.1-163.4, 178.2, 184.4 Local brecciation with carbonate and fine-grained pyrite infilling @ 171.0, 173.6-173.9, 176.6 168.9 - 169.1 - Basic dyke, many thin carbonate gash. veins, foliation @ 25° to core axis 175.7 - Basic dyke, with disseminated carbonate blebs. 178.7 - 178.9 - Basic dyke, cut by coarse, 10cm carbonate vein. Vein contact @ 35-40° to core axis. 177.2 - 180.1 - Zones of thin stockwork vein development and bleaching									D-3	545
187.8		END OF HOLE										

W. M. G. Pang
for the Ballantyne



2000

3400

3200

3000

2800

2600

475798

475775

475775

475776

SURVEYED LINE

475799

475778

475778

475777

258 m

69 m

D-3

OB-39

OB-63

D-8

OB-62

OB-64

276 m

OB-60A

OB-66

Composite

Little Pike River

OB-61

D-2

140 m

OB-41

475778

475777

475777

477238

475779

475780

475780

477239

Line 44E

Line 40E

Line 48E

OB-42

D-7

Line 52E

170 m

85 m

62 m

D-4

D-6

42 m

OB-56

121 m

60 m

OB-59

338 m

338 m

60 m

40 m

72 m

121 m

338 m

60 m

60 m

60 m

60 m

60 m

60 m

60 m

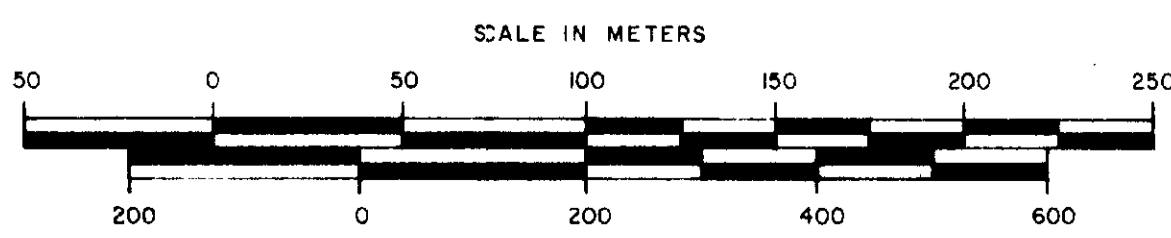
60 m

60 m

60 m

60 m

- Overburden drillhole (1976-1977)
- ⊙ Diamond drillhole (1978) showing vertical projection
- Claim post (located)
- - - Claim line
- - - Hollinger grid line



2400

2200

2600

2800

3000

3200

3400

3600

EASTERN DISTRICT

GIB PROPERTY
DPH LOCATIONS

Drawn by:	CD
Traced by:	KOML
Checked by:	KOML
Approved by:	KOML

Scale: 1" = 2,000'

Date: August 24, 1978

Plate:

Form 2100-00