

Cabo Mining Corp.

**Cobalt Area Project
Pan Lake Grid - Lorrain Township**

Drill Hole Logs

Holes CC-19, 20, 21, 22 & 23



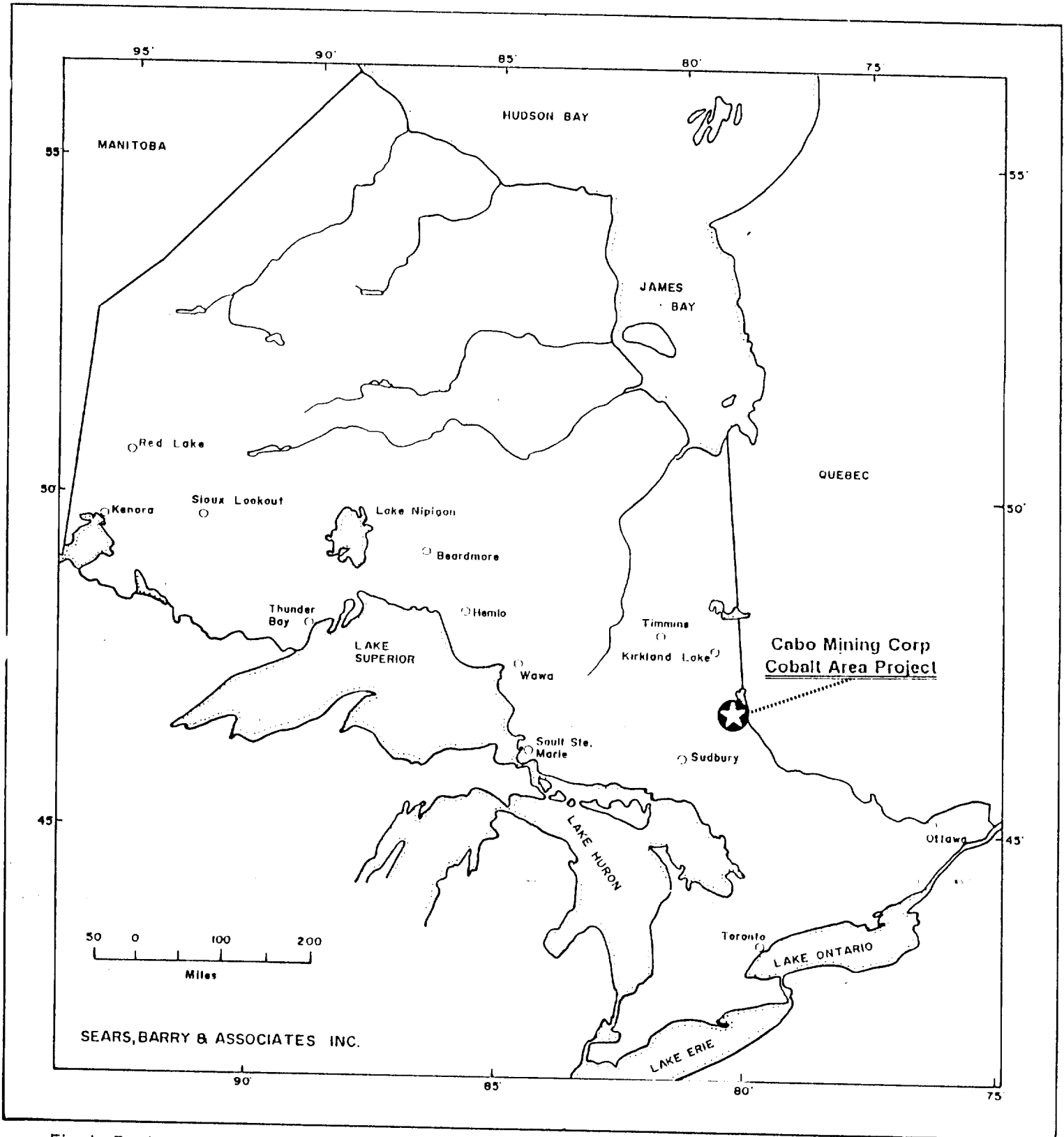


Fig. 1: Regional Location Map of Ontario.

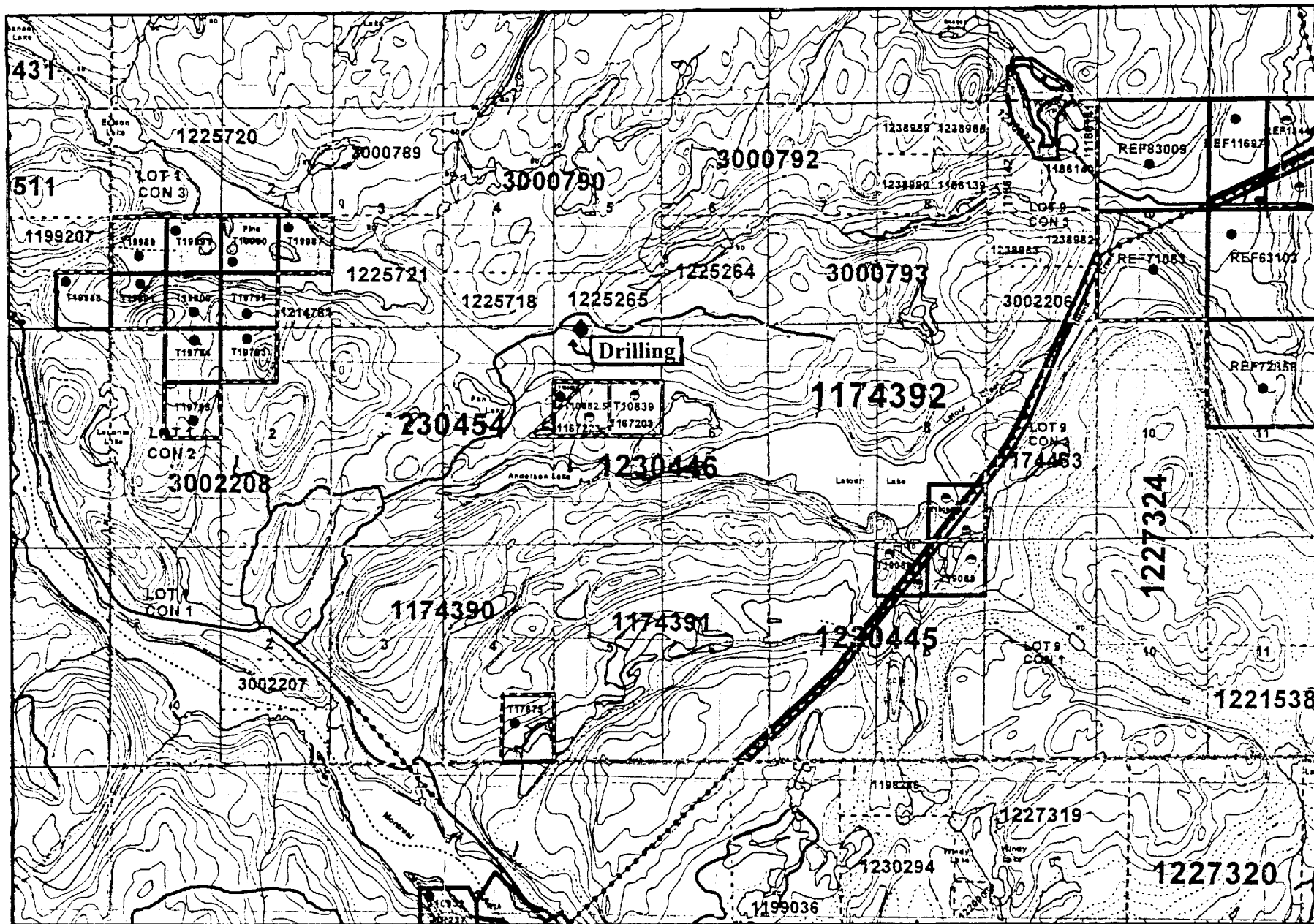
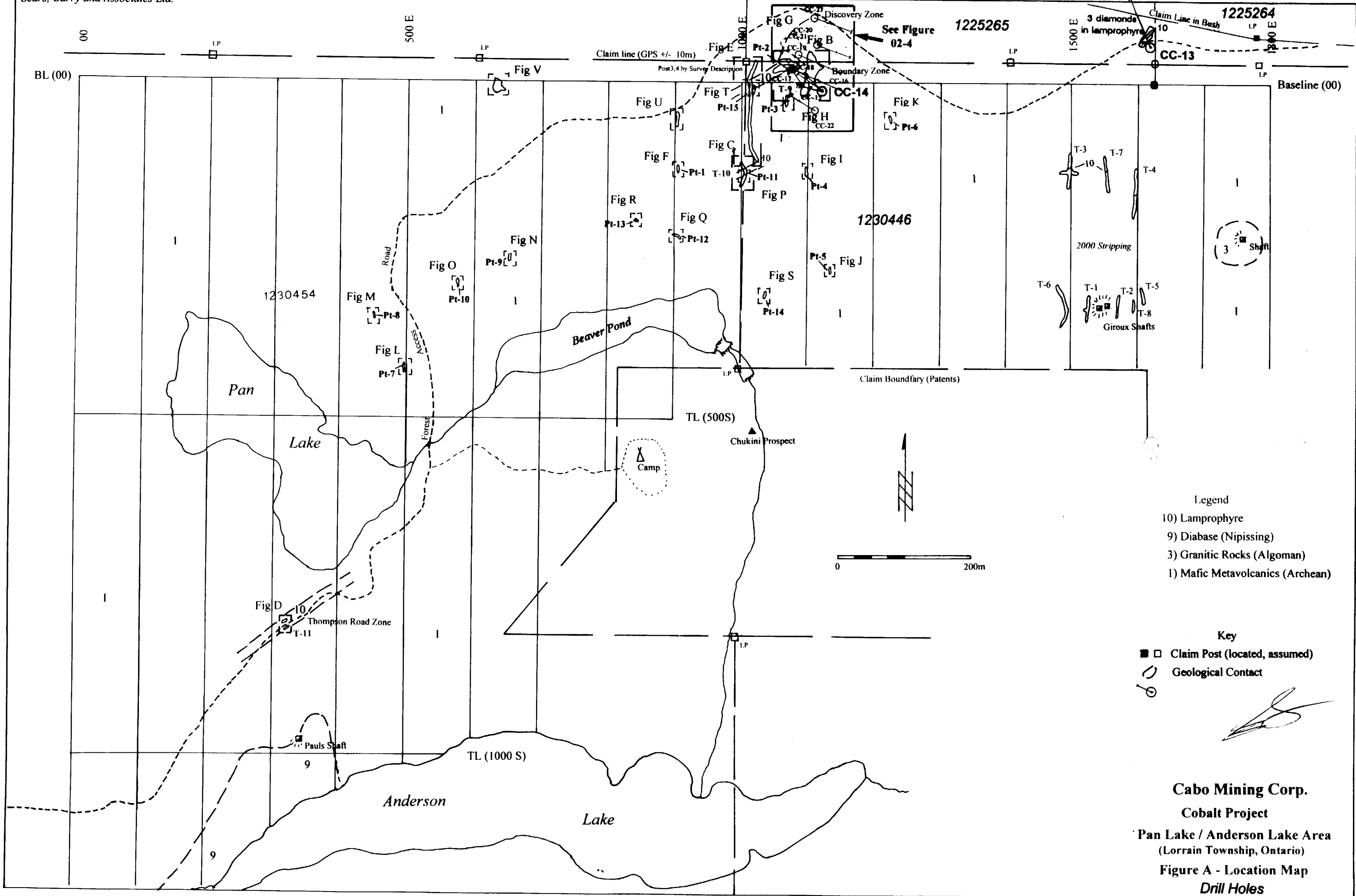


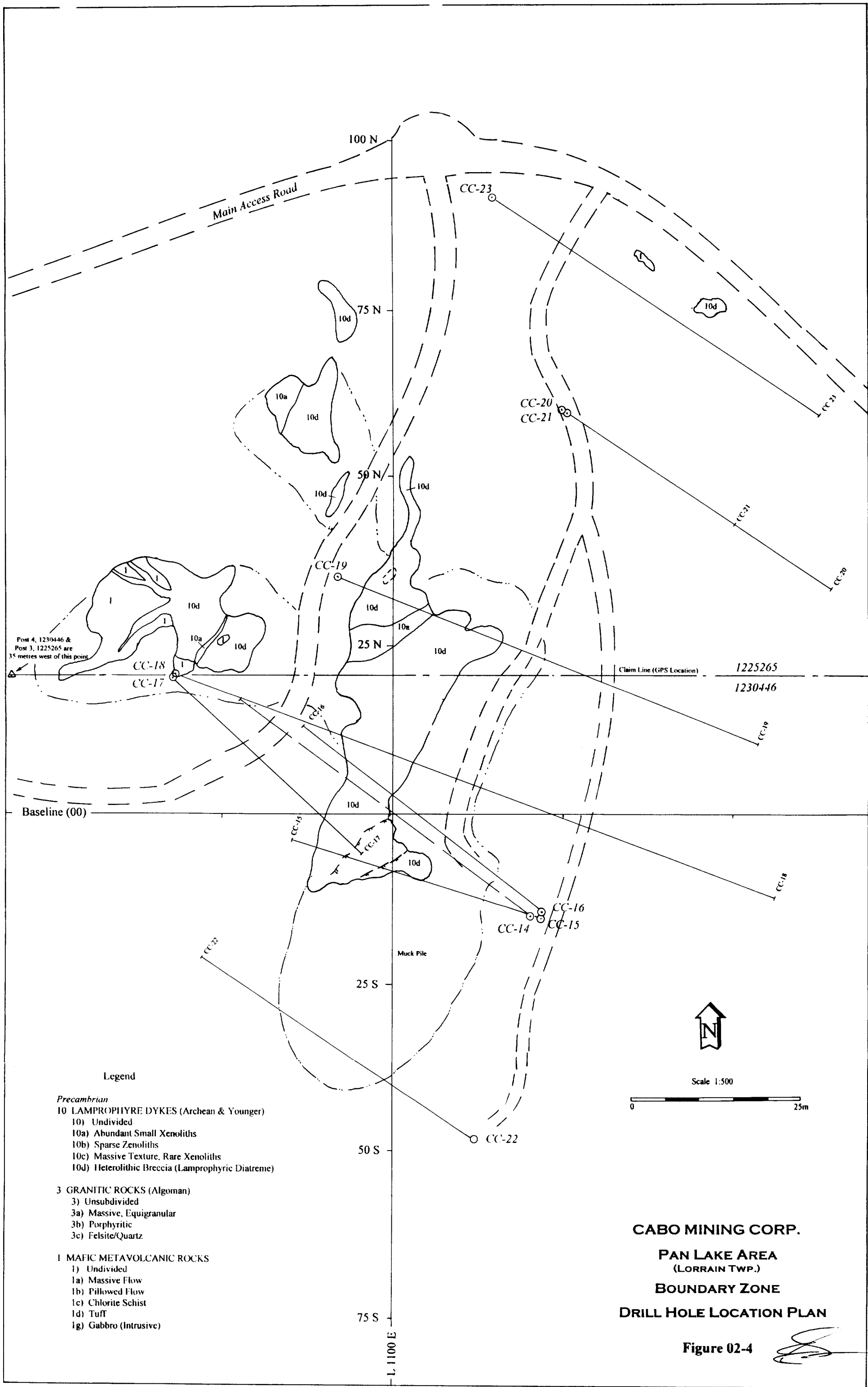
Figure 2: Claim sketch of south part of Lorrain Township, Cobalt Area, Ontario, showing drill hole locations Cabo Mining Corp.



- Legend
- 10) Lamprophyre
 - 9) Diabase (Nipissing)
 - 3) Granitic Rocks (Algoman)
 - 1) Mafic Metavolcanics (Archean)

- Key
- □ Claim Post (located, assumed)
 - Geological Contact

Cabo Mining Corp.
Cobalt Project
 Pan Lake / Anderson Lake Area
 (Lorrain Township, Ontario)
 Figure A - Location Map
 Drill Holes



Post 4, 1230446 & Post 3, 1225265 are 35 metres west of this point

Claim Line (GPS Location) 1225265
1230446

Baseline (00)

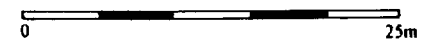
L 1100 E

Legend

- Precambrian*
- 10 LAMPROPHYRE DYKES (Archean & Younger)
 - 10) Undivided
 - 10a) Abundant Small Xenoliths
 - 10b) Sparse Xenoliths
 - 10c) Massive Texture, Rare Xenoliths
 - 10d) Heterolithic Breccia (Lamprophyric Diatreme)
- 3 GRANITIC ROCKS (Algomian)
 - 3) Unsubdivided
 - 3a) Massive, Equigranular
 - 3b) Porphyritic
 - 3c) Felsite/Quartz
- 1 MAFIC METAVOLCANIC ROCKS
 - 1) Undivided
 - 1a) Massive Flow
 - 1b) Pillowed Flow
 - 1c) Chlorite Schist
 - 1d) Tuff
 - 1g) Gabbro (Intrusive)



Scale 1:500



CABO MINING CORP.
PAN LAKE AREA
(LORRAIN TWP.)
BOUNDARY ZONE
DRILL HOLE LOCATION PLAN

Figure 02-4



CABO MINING CORP.

DIAMOND DRILL LOG

PROPERTY: Cobalt
 HOLE No.: CC19
 Collar Eastings: 1092.00
 Collar Northings: 35.00
 Collar Elevation: 350.00
 Grid: Pan-Anderson
 Claim# 1225265 & 1230446

Collar Inclination: -45.00
 Grid Bearing: 112.00
 Final Depth: 94.00 metres
 NQ Core

Logged by: S. Sears (22-29 Nov)
 Date: 21 - 28 Nov 2002
 Down-hole Survey: acid
 Drilled by Heath & Sherwood

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS		
			FROM	TO	WIDTH
0	2.0	OVERBURDEN (Casing to 4.0 m)	0.00	0.00	0.00
2.0	5.5	DIATREME BRECCIA: Biotite lamprophyre makes up from 30 - 90% of zone, primarily as matrix; zone has hypabyssal appearance locally when lamprophyre dominates; xenoliths and fragments are generally granitic although often nearly digested in the lower part; a 10 cm lamprophyre? boulder occurs at 4.7 m; dark grey-greenish black, with orange to grey granite fragments, layering (stretching lineation) at 35 - 38 degrees to the C/A .			
5.5	7.0	MAFIC DYKE: Fine grained, generally equigranular with variable amount of biotite porphyrocrysts and 1 - 2% feldspar phenocrysts; dark grey, unfoliated, upper and lower contacts at 133 degrees to the C/A, oblique to the layering; a 1 - 3 cm orange felsic dykelet at 6.6m..			
7.0	36.1	DIATREME BRECCIA: Biotite lamprophyre making up from 20 - 80% of zone; primarily as matrix; dark grey - green black with mainly grey to faint orange fragments and xenoliths;			

CABO MINING CORP.

DIAMOND DRILL LOG

PROPERTY: Cobalt
HOLE No.: CC19

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS		
			FROM	TO	WIDTH
		<p>fragments rounded to sub angular, consisting mostly of granitic material but including mafic volcanic and lamprophyre; local clasts contain coarse patches and stringers of pyrrhotite/pyrite; lower 3 meters contains scattered ultramafic fragments or unusual green lamprophyre lenses and includes occasional patches of pyrrhotite, pyrite and trace chalcopyrite; lower contact is gradational.</p> <p>7.0 - 15.0: fragments in this section are generally quite small and are often faintly defined (metasomatized).</p> <p>15.0 - 26.0: zone contains abundant massive lenses of relatively black lamprophyre and coarse biotite phenocrysts.</p> <p>30.5 - 36.1 zone contains scattered large (up to 8 cm) rounded to sub angular fragments of coarse black granite, i.e. coarse white equigranular feldspar phenocrysts in a fine grained black matrix.</p>			
36.1	56.0	<p>DIATREME BRECCIA: Biotite lamprophyre is fine grained and from 20 - 80% of rock, while fragments are dominated by brick orange - red granitic material, but include mafic to ultramafic fragments including lamprophyre; rare massive sulphide (Po/Py) fragments; pyrite and pyrrhotite also occur in epidotized mafic and granitic fragments; fragments range from a few millimetres to in excess of 10 cm, but are generally small, rounded and</p>			

HOLE No: CC19

CABO MINING CORP.

DIAMOND DRILL LOG

PROPERTY: Cobalt
HOLE No.: CC19

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS	WIDTH
			FROM	TO
		sub angular, often having ragged edges; stretching lineation from 40 - 50 degrees to the C/A, generally 45 degrees; locally deformed; local narrow granitic dykes oblique to the stretching lineation; scattered calcite +/- epidote veinlets; overall zone has a dark grey-green-black colour with brick orange fragments.		
		37.7 - 38.1: fault zone, badly broken rock, healed by epidote and calcite veinlets.		
		38.3 - 38.5: coarse biotite lamprophyre, unusual appearance, contacts broken.		
		39.5 - 40.0: fault zone, badly broken with calcareous gouge.		
		43.7 - 44.5: granite dyke, fine grained equigranular, contacts oblique to layering at 115 degrees to the C/A; dark coloured.		
		44.76 - 45.6: granite dyke as above (43.7 - 44.5).		
		45.6: Below this point zone has a silky sheen and pale green colour possibly due to chlorite alteration or due to the composition of the matrix and some fragments in this area.		
		47.4 - 47.55: deformed zone, with 5% epidote and minor calcite veinlets.		
		47.55 - 49.1: deformed zone, stretching lineation is missing except weakly apparent near bottom.		
		49.1 - 49.35: mafic dyke (possibly intermediate) fine grained equigranular, dark coloured, similar in appearance to the granite dyke above, but no obvious		

HOLE No: CC19

CABO MINING CORP.

DIAMOND DRILL LOG

PROPERTY: Cobalt
HOLE No.: CC19

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS		
			FROM	TO	WIDTH
		feldspar in hand specimen; contacts 120 degrees to C/A, oblique to layering, upper contact is irregular. 50.0: Sulphides occur more commonly below this point as stringers and patches within fragments (Py/Po).			
56.0	66.5	DIATREME BRECCIA: Heterolithic; similar to above (36.1 - 56.0) except fragments are dominantly grey and larger in size; rock remains dark coloured, but lamprophyre becomes green in colour. 56.6 - 57.0: mafic dyke as above (49.1 - 49.35), contacts at 130 degrees to the C/A, oblique to layering and somewhat irregular.			
66.5	70.2	GRANITE DYKE ZONE: Diatreme breccia as above (56.0 - 66.5) except contains greater than 50% granite dykes; granite dykes are medium to coarse grained, brick orange in colour; equigranular to porphyritic; dykes have irregular to very sharp contacts but generally are oblique to the layering (stretching lineation) at 40 - 135 degrees to the C/A; the breccia is at least 80% green coloured biotite lamprophyre. 66.5 - 67.08: granite, upper contact at 135 degrees, lower at 100 degrees to C/A. 68.0 - 68.2: granite, upper contact irregular at 40 degrees to C/A, lower sharp at 115 degrees to C/A. 68.4 - 69.5: granite, upper contact irregular at			

HOLE No.: CC19

CABO MINING CORP.

DIAMOND DRILL LOG

PROPERTY: Cobalt
HOLE No.: CC19

Page 5

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS		
			FROM	TO	WIDTH
		105 degrees to C/A, lower sharp at 110 degrees to C/A. 70.1 - 70.2: granite, upper and lower contacts at 125 degrees to C/A.			
70.2	94.0	DIATREME BRECCIA: 50 - 80% biotite lamprophyre with a greenish colour; heterolithic (granite, mafic volcanic, ultramafic (including lamprophyre); scattered calcite veinlets and deformed zones with calcite breccia matrix and hairline fracture fillings. 70.4 - 70.5: mafic dyke, fine grained equigranular, upper and lower contacts at 115 degrees to the C/A. 76.0: A 0.5 cm calcite veinlet, 112 degrees to C/A, at right angles to layering. 76.55: A 3 cm calcite veinlet, 115 degrees to C/A, oblique to layering. 76.95: A 1 cm calcite veinlet at 40 degrees to the C/A, oblique to layering. 78.35: A 0.5 cm calcite veinlet at 55 degrees to the C/A, sub parallel to layering. 79.5: Calcite veinlet, less than 0.5 cm at 52 degrees to C/A, sub parallel to layering. 82.6: A 1 cm calcite and quartz veinlet at 47 degrees to C/A, sub parallel to layering. 84.0 - 87.5: Abundant calcite veinlets through this zone at various orientations to the core axis. 85.5 - 91.0: Zone contains abundant brick orange granitic clasts.			

HOLE No: CC19

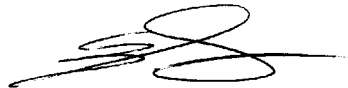
CABO MINING CORP.

DIAMOND DRILL LOG

PROPERTY: Cobalt
HOLE No.: CC19

Page 6

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS		
			FROM	TO	WIDTH
		86.0 - 86.3: Deformed zone with 10% calcite filled fractures.			
		87.0 - 86.3: Greenish lamprophyre with coarse biotite porphyroblasts.			
		87.2 - 87.55: Deformed zone with 10% calcite filled fractures.			
		88.15 - 88.3: Pyroxenite boulder.			
		88.3 - 88.5: Greenish lamprophyre with coarse biotite porphyroblasts.			
		89.4 - 89.5: Deformed zone with 10% calcite veinlets at 40 degrees to C/A.			
		90.2: A 3 cm calcite and quartz veinlet at 40 degrees to C/A, sub parallel to the layering.			
		90.6 - 90.7: Deformed zone with 20% calcite.			
		90.7 - 94.0: Abundant calcite veinlets through this zone at various orientations to the core axis.			
		94.0 END OF HOLE			



HOLE No: CC19

CABO MINING CORP.

DIAMOND DRILL LOG

PROPERTY: Cobalt
 HOLE No.: CC20
 Collar Eastings: 1126.00
 Collar Northings: 60.00
 Collar Elevation: 344.00
 Grid: Pan-Anderson
 Claim# 1225265

Collar Inclination: -45.00
 Grid Bearing: 123.00
 Final Depth: 66.00 metres
 NQ Core

Logged by: S. Sears (30 Nov)
 Date: 28 - 29 Nov 2002
 Down-hole Survey: acid
 Drilled by Heath & Sherwood

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS		
			FROM	TO	WIDTH
0	4.3	OVERBURDEN	0.00	0.00	0.00
4.3	9.9	DIATREME BRECCIA: Heterolithic, including granite (brick orange and grey felsite to coarse grained), mafic volcanic, lamprophyre; lamprophyre makes up 30 - 80% of zone as fragments, lenses and matrix; fragments generally small, rounded to sub-angular and highly stretched; stretching lineation from 35 - 45 degrees to the C/A, averaging 40 degrees; quantity of brick red fragments increase with increasing depth.			
9.9	11.6	INTERMEDIATE DYKE: Intermediate to mafic margins with a brick orange pegmatitic granite dyke in the middle; equigranular, fine grained, reddish feldspar phenocrysts; upper and lower contacts at 130 degrees to C/A, oblique to layering; 10.3 - 10.6: Brick orange pegmatite dyke with a lamprophyre inclusion (5 cm X 3 cm); upper contact irregular from 115 - 130 degrees to C/A; lower at 140 degrees to C/A.			

CABO MINING CORP.

DIAMOND DRILL LOG

PROPERTY: Cobalt
HOLE No.: CC20

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS		
			FROM	TO	WIDTH
11.6	14.0	<p>FAULT ZONE: Highly deformed, fractured at low angle to the C/A; includes lamprophyre, diatrema breccia, narrow brick orange granite dykelets (one up to 7 cm wide) and calcite veinlets and breccia cement.</p>			
14.0	39.5	<p>DIATREME BRECCIA: As above (4.3 - 9.9) Fragments have distinct reaction rims and many are partially digested (assimilated); local sulphides including Py, Po and trace Cpy; generally dark coloured; scattered very narrow calcite veinlets; lamprophyre has a greenish colour although it is biotite porphyritic. 26.6: Calcite + feldspar veinlet with pyrite; 41 degrees to C/A, sub-parallel to layering. 28.0: A 3 cm brick orange granite dykelet at 115 degrees to C/A, oblique to layering. 29.6: A 2 cm brick orange granite dykelet at 123 degrees to C/A, oblique to layering. 35.9 - 36.6: Granite, brick orange, medium to coarse grained, equigranular to</p>			

HOLE No: CC20

CABO MINING CORP.

DIAMOND DRILL LOG

PROPERTY: Cobalt
HOLE No.: CC20

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS		
			FROM	TO	WIDTH
		<p>porphyritic; upper and lower contacts at 102 degrees to the C/A. oblique to layering.</p> <p>36.3 - 36.9: Badly broken core; possibly a fault, more likely drill induced.</p> <p>36.9 - 38.2: Intermediate dyke, dark coloured, feldspar is brick orange; fine grained, equigranular, upper contact broken, lower contact at 117 degrees to the C/A, oblique to layering.</p>			
39.5	42.0	<p>INTERMEDIATE DYKE:</p> <p>Fine grained, equigranular; dark coloured massive texture, badly jointed (7 - 8 per metre); upper contact irregular from 50 - 90 degrees to the C/A; lower sharp at 52 degrees to the C/A, sub-parallel to layering; moderately magnetic (disseminated pyrrhotite).</p>			
42.0	52.4	<p>DIATREME BRECCIA:</p> <p>Same as above (14.0 - 39.5) except very few brick red fragments.</p> <p>43.2 - 43.5: An orange granite dyke; coarse grained to porphyritic; upper contact irregular from 90 - 110 degrees to the C/A; lower contact chilled,</p>			

HOLE No: CC20

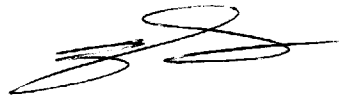
CABO MINING CORP.

DIAMOND DRILL LOG

PROPERTY: Cobalt
HOLE No.: CC20

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS		
			FROM	TO	WIDTH
		sharp at 145 degrees to the C/A, both oblique to layering. 45.8 - 46.3: Mafic to intermediate dyke, contacts broken but appear 100 - 120 degrees to the C/A oblique to layering; upper contact vague; fine grained, equigranular; dark coloured. 51.5 - 52.4: Orange granite dyke, coarse grained, quartz porphyritic to equigranular; upper contact broken, lower at 100 degrees to the C/A; includes an inclusion of diatreme breccia from 52.1 - 52.3.			
52.4	63.0	MAFIC TO INTERMEDIATE DYKE: Fine grained equigranular, badly jointed; dark coloured; 1 - 2% disseminated pyrite as patches and grains; massive texture. 63.0 E.O.H.			



HOLE No: CC20

CABO MINING CORP.

DIAMOND DRILL LOG

PROPERTY: Cobalt
HOLE No.: CC21
Collar Eastings: 1127.00
Collar Northings: 60.00
Collar Elevation: 344.00
Grid: Pan-Anderson
Claim# 1225265

Collar Inclination: -71.00
Grid Bearing: 123.00
Final Depth: 93.00 metres
NQ Core

Logged by: S. Sears (1 Dec)
Date: 29 - 30 Nov 2002
Down-hole Survey: acid
Drilled by Heath & Sherwood

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS		
			FROM	TO	WIDTH
0	4.3	OVERBURDEN (Casing left in place)	0.00	0.00	0.00
4.3	93.0	DIATREME BRECCIA: Brick orange-red granitic fragments dominate; others include mafic volcanic, grey felsite & coarse grained granite and lamprophyre. Lamprophyre makes up from 30 - 80% of zone as fragments, matrix, lenses and massive bands; fragments are relatively small with a large percentage less than 1 cm; coarser fragments are cemented by a stream of lamprophyre and small fragments; lamprophyre is biotite porphyritic and dark grey-green-black in upper part becoming notably green coloured with increasing depth; strong fabric (stretching lineation) from 18 - 24 degrees to the C/A, locally deformed; scattered calcite +/- epidote stringers; occasional granitic and intermediate dykes; local zones have sulphide patches, usually within fragments but			

CABO MINING CORP.

DIAMOND DRILL LOG

PROPERTY: Cobalt
HOLE No.: CC21

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS		
			FROM	TO	WIDTH
		sometimes as disseminated patches; includes Py, Po, and Cpy.			
	8.3 - 9.9:	Intermediate dyke, fine grained equigranular, light grey feldspar; chloritized, massive texture, contacts 95 - 100 degrees to the C/A.			
	9.9 - 10.0:	Brick orange granite dykelet, coarse grained, 95 degrees to the C/A.			
	11.5:	A 6 cm wide coarse grained lamprophyre with calcite veinlet developed sub-parallel to layering, 15 degrees to the C/A.			
	14.8 - 15.0:	Intermediate dyke, fine grained, equigranular, red coloured feldspar phenocrysts; upper contact 112 degrees to the C/A, lower contact vague.			
	15.5:	Several small lenses of massive sulphide (Cpy, Po) in this area (<1% of rock).			
	23.3 - 27.0:	Zone is greater than 80% lamprophyre; xenoliths are highly assimilated; upper contact relatively sharp, lower gradational.			
	28.2:	A 3 cm orange granite dykelet, 85 degrees to C/A, oblique to layering; coarse grained.			

HOLE No: CC21

CABO MINING CORP.

DIAMOND DRILL LOG

PROPERTY: Cobalt
HOLE No.: CC21

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS		
			FROM	TO	WIDTH
		29.15 - 29.5: Orange granite dyke, coarse grained, equigranular to quartz porphyritic; upper contact irregular and jagged, lower at 95 degrees to the C/A, oblique to layering.			
		31.4 - 32.0: Intermediate dyke, fine grained equigranular; reddish orange feldspar phenocrysts, dirty brown appearance; upper contact at 63 degrees to C/A, oblique to layering, lower contact irregular and 45 degrees to C/A oblique to layering.			
		34.6 - 35.3: Intermediate dyke badly "rotted" (altered), fine grained equigranular, with a 10 cm orange granite dyke in the upper middle (34.8 - 34.9); upper contact at 60 degrees to C/A, lower at 68 degrees to C/A; medium to light grey.			
		37.05 - 37.4: Intermediate dyke as above (31.4 - 32.0), fine grained equigranular, faintly orange feldspar phenocrysts; upper contact at 68 degrees to the C/A, lower at 90 degrees, irregular.			
		37.6 - 37.7: Intermediate dyke as above (37.05 - 37.4), upper contact subparallel to layering 20 - 35 degrees to C/A;			

HOLE No: CC21

CABO MINING CORP.

DIAMOND DRILL LOG

PROPERTY: Cobalt
HOLE No.: CC21

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS		
			FROM	TO	WIDTH
		lower at 85 degrees to C/A.			
		37.7 - 39.0: Deformed zone, layering disrupted.			
		39.0 - 40.0: Dark coloured (greenish black) overall with orange fragments.			
		40.0 - 40.7: Intermediate dyke, as above (37.6 - 37.7); fine grained, equigranular, upper contact at 75 degrees to C/A, lower very irregular, both oblique to the layering.			
		42.0 - 45.2: Biotite lamprophyre makes up 80 - 90% of zone, very tough to break, contact vague.			
		45.2 - 50.0: Matrix of breccia is a fine grained mafic material but very rare to no biotite phenocrysts.			
		48.7 - 48.82: Orange granite dyke, coarse grained, upper contact irregular but clearly defined, lower vague, and invading into fracture.			
		48.95: Narrow irregular orange granite dykelet.			
		49.3 - 49.4: Orange granite dyke, same as above and probably related (48.7 - 48.82).			
		49.5 - 51.3: Intermediate dyke; fine grained, equigranular, dark coloured;			

HOLE No: CC21

CABO MINING CORP.

DIAMOND DRILL LOG

PROPERTY: Cobalt
HOLE No.: CC21

Page 5

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS		
			FROM	TO	WIDTH
		faint orange to grey feldspar; upper contact broken, lower at 80 - 85 degrees to C/A oblique to layering.			
	52.8:	A 3 cm mafic dyke, vague contacts			
	95 - 100	degrees to C/A.			
	52.95:	A 3 cm mafic dyke as above,			
		fine grained, 92 - 95 degrees to the C/A.			
	53.3 - 57.0:	Mafic to intermediate dyke,			
		fine grained equigranular, includes abundant xenoliths of the diatrema breccia in local zones; possibly a fine grained phase of lamprophyre, no obvious biotite phenocrysts, contacts somewhat vague 50 - 60 degrees to C/A, oblique to layering.			
	72.5 - 76.0:	70 - 80% of this zone is mafic volcanic or fine grained mafic intrusive with scattered lamprophyre layers (probably fracture fillings).			
	77.2 - 77.65:	Orange felsite dyke; possible contact or fault metamorphic phenomenon; includes 25% fault gouge and calcite veining; upper and lower contacts vague.			
	77.65 - 78.2:	Intermediate dyke, fine grained equigranular, orange feldspar phenocrysts, dark coloured, massive appearance, lower contact vague			

HOLE No: CC21

CABO MINING CORP.

DIAMOND DRILL LOG

PROPERTY: Cobalt
HOLE No.: CC21

Page 6

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS		
			FROM	TO	WIDTH
		85 - 95 degrees to C/A, dark grey.			
		81.45 - 82.25: Intermediate dyke as above (77.65 - 78.2) except slightly brown in colour; upper and lower contacts at 30 degrees to C/A, subparallel and gradational into surrounding breccia; includes an irregular quartz-calcite veinlet with massive pyrite at 81.5.			
		82.45 - 82.85: Intermediate to mafic dyke, fine grained, equigranular; upper and lower contacts sharp at 84 - 85 degrees to the C/A; brown colour.			
		82.98: A 4 cm brown, mafic to intermediate dyke as above (82.45 - 82.85),			
		85 - 95 degrees to C/A, sharp contacts.			
		84.25 - 84.55: Mafic to intermediate dyke, as above (82.45 - 82.85), brown coloured; 85 degrees to C/A.			
		85.0 - 87.15: Mafic to intermediate dyke, similar to above (84.25 - 84.55); upper contact 80 degrees to C/A, lower marked by an orange felsite dykelet, 3 - 4 cm wide, broken.			
		86.65 - 87.15: Brown mafic to intermediate dyke as above (85.0 - 87.15); upper contact irregular			

HOLE No: CC21


CABO MINING CORP.

DIAMOND DRILL LOG

PROPERTY: Cobalt
HOLE No.: CC21

Page 7

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS		
			FROM	TO	WIDTH
		from 70 - 85 degrees to C/A, lower at 75 - 80 degrees to C/A, oblique to layering.			
		91.1 - 91.5: Mafic to intermediate dyke as above (86.65 - 87.15): slightly greyish in colour; upper contacts at 65 degrees to C/A, lower at 85 degrees to C/A.			
		93.0 E.O.H.			



HOLE No: CC21

CABO MINING CORP.

DIAMOND DRILL LOG

PROPERTY: Cobalt
 HOLE No.: CC22
 Collar Eastings: 1112.00
 Collar Northings: -48.00
 Collar Elevation: 340.00
 Grid: Pan-Anderson
 Claim# 1230446

Collar Inclination: -45.00
 Grid Bearing: 304.00
 Final Depth: 68.00 metres
 NQ Core

Logged by: S. Sears (3 Dec)
 Date: 1 - 2 Dec 2002
 Down-hole Survey: acid
 Drilled by Heath & Sherwood

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS		
			FROM	TO	WIDTH
0	6.7	OVERBURDEN	0.00	0.00	0.00
6.7	7.2	MAFIC TO ULTRAMAFIC DYKE: Very little orange feldspar; dark grey green colour; 5% calcite veinlets and fracture filling; lower contact vague; rock is soft and badly weathered.			
7.2	9.9	DIATREME BRECCIA: Dark grey green with orange granitic fragments; badly deformed and fractured with 3% calcite filled fractures and veinlets; lower contact broken; 30 - 50% biotite lamprophyre. 8.1 - 8.3: Orange granite dyke, coarse grained, upper contact at 123 degrees to C/A, lower at 85 - 90 degrees to C/A. 8.4 - 8.5: Two orange granite dykelets with inclusion of diatreme breccia; contacts irregular, upper at 110 degrees, lower at 130 degrees to C/A.			
9.9	11.2	MAFIC DYKE: Similar to above (6.7 - 7.2) except			

HOLE No: CC22

CABO MINING CORP.

DIAMOND DRILL LOG

PROPERTY: Cobalt
HOLE No.: CC22

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH
		grained mafic rock from 23.5 to 23.9 metres; locally contain up to 5% calcite stringers and veinlets.			
		24.2 - 25.35: Ultramafic dyke, possibly an unusual lamprophyre; fine to medium grained matrix with scattered ultramafic xenoliths, often nearly completely assimilated; contacts sub-parallel but low angle to layering; some small invasive lenses of this material in the overlying 0.3 metres.			
		25.35 - 36.0: Diatreme Breccia; 50 - 90% lamprophyre; lamprophyre is biotite porphyritic and contains abundant small, rounded, highly assimilated xenoliths; xenoliths range from ultramafic to felsic; occasionally xenoliths contain pyrite and/or chalcopyrite; fragments are mafic to felsic; greenish grey colour.			
		33.05 - 33.4: Calcite vein zone; includes about 20 cm of calcite cemented breccia; calcite contains up to 2% galena as well as trace of pyrite and chalcopyrite.			
		36.0 - 38.4: Diatreme breccia as above (25.35 - 36.0) except contains 80% fragments including mafic volcanic, granite; lamprophyre material and lenses is similar to above, i.e. bearing abundant small xenoliths; greenish grey colour.			

HOLE No: CC22

CABO MINING CORP.

DIAMOND DRILL LOG

PROPERTY: Cobalt
HOLE No.: CC22

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH
		<p>38.4 - 45.9: Diatrema breccia as above (25.35 - 36.0); abundant xenoliths coarse fragments make up less than 10% of zone; many of the xenoliths within the biotite lamprophyre are now chlorite; abundant calcite as hairline fracture filling and narrow veinlets; lower contact at 25 degrees to the C/A.</p> <p>43.2: A 4 cm X 2 cm fragment with massive magnetite bands (< 1 cm), possible chert-mag I.F.</p> <p>44.3 - 45.0: Intermediate dyke; fine grained, equigranular, chloritized; low angle to C/A, contacts from 160 - 170 degrees to the C/A, oblique to layering; layering 40 - 50 degrees to C/A.</p>			
45.9	53.4	<p>MAFIC METAVOLCANIC: Massive to pillowed flows, fine grained dark grey green, locally epidotized; amygdaloidal (quartz and feldspar filled amygdules); usually epidotized; amygdules from millimetre scale to 1.5 cm; local zones contain lenses and fracture fillings of biotite lamprophyre; scattered hairline veinlets and fracture fillings of calcite +/- epidote +/- chlorite; faint layering from 45 - 55 degrees to the C/A.</p>			

HOLE No: CC22

CABO MINING CORP.

DIAMOND DRILL LOG

PROPERTY: Cobalt
HOLE No.: CC22

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS		
			FROM	TO	WIDTH
		less than 1% calcite veinlets; includes a 5 cm rounded orange granite xenolith at 10.1 metre; both contacts broken.			
11.2	45.9	<p>DIATREME BRECCIA:</p> <p>Small fragment breccia with most fragments rounded, highly stretched and often relatively assimilated; fragments often contain sulphides; fragments made up of felsic material (felsite to coarse granite), mafic volcanic to ultramafic including lamprophyre; biotite lamprophyre makes up from 20 - 50% of matrix, remainder being a fine grained mafic that may be at least partially lamprophyre; scattered narrow zones contain brick red felsic fragments; overall appearance is generally a dark colour; layering from 40 - 50 degrees to C/A, locally deformed.</p> <p>18.2 - 20.8: Hypabyssal Biotite Lamprophyre Zone; 60% of zone consists of lamprophyre with very small round, partially assimilated xenoliths (ultramafic to felsic); remainder is made up of blocks of diatrema breccia, as above; contacts are gradational.</p> <p>20.8 - 24.2: Diatrema Breccia; as above with fine grained matrix, partially assimilated fragments; large boulder (or dyke) of fine</p>			

HOLE No: CC22

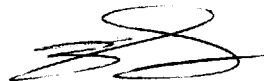
CABO MINING CORP.

DIAMOND DRILL LOG

PROPERTY: Cobalt
HOLE No.: CC22

Page 5

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS		
			FROM	TO	WIDTH
		52.6 - 52.9: A biotite lamprophyre dyke at 160 - 170 degrees to the C/A (biotite porphyritic with feldspar). 53.3: A 3.5 cm intermediate dyke with 2 - 3% Po, Py; 145 degrees to the C/A.			
53.4	54.8	LAMPROPHYRE ZONE: About 60% biotite lamprophyre dyke with small mafic xenoliths as well as coarse fragments; greenish coloured.			
54.8	68.0	DIATREME BRECCIA: Zone dominated by a fine grained mafic matrix with breccia fragments including reddish orange granite, mafic volcanic; biotite lamprophyre makes up 10 - 20% of zone as local matrix material and as lenses and layers; fragments are generally small, rounded to subangular; layering from 50 - 55 degrees to the C/A; very dark coloured matrix to most of this zone; the quantity of lamprophyre increases with increasing depth.			
		68.0 END OF HOLE			



HOLE No: CC22

CABO MINING CORP.

DIAMOND DRILL LOG

PROPERTY: Cobalt
 HOLE No.: CC23
 Collar Eastings: 1115.00
 Collar Northings: 91.00
 Collar Elevation: 344.00
 Grid: Pan-Anderson
 Claim# 1225265

Collar Inclination: -45.00
 Grid Bearing: 123.00
 Final Depth: 81.00 metres
 NQ Core

Logged by: S. Sears (4 Dec)
 Date: 2 - 3 Dec 2002
 Down-hole Survey: acid
 Drilled by Heath & Sherwood

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS		
			FROM	TO	WIDTH
0	5.9	OVERBURDEN	0.00	0.00	0.00
5.9	20.6	MAFIC VOLCANIC (Or INTRUSIVE ROCK): Fine grained mafic rock (approaching intermediate); dark grey green; massive appearance overall; local weak foliation (faint micaceous layering and local rare stretching lineation) scattered randomly oriented fracturing with epidote +/- calcite +/- quartz; occasional chlorite +/- epidote defining what appear to be pillow salvages. 9.3: A 0.5 cm. orange granite dykelet @ 75 degrees to C/A.			
20.6	22.1	MAFIC TO INTERMEDIATE DYKE: Fine grained equigranular with scattered rounded xenoliths of ultramafic to felsic composition; some of these xenoliths are very highly assimilated and as such are difficult to distinguish; upper and lower contacts at 70 degrees to C/A.			

HOLE No: CC23

CABO MINING CORP.

DIAMOND DRILL LOG

PROPERTY: Cobalt
HOLE No.: CC23

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS		
			FROM	TO	WIDTH
22.1	34.1	MAFIC METAVOLCANICS OR INTRUSIVE ROCK: Same as above (5.9 - 20.6).			
34.1	35.3	GRANITE DYKE: Orange, coarse grained, equigranular to quartz porphyritic, upper contact along fracture at 127 degrees to the C/A, lower contact irregular at 105 degrees to the C/A.			
35.3	36.2	MAFIC METAVOLCANIC: (as above 5.9 - 20.6) Includes a narrow, orange granite dyke. : 35.8 - 35.95: Orange granite dyke, same as above (34.1 - 35.3); contacts irregular from 140 - 90 degrees to the C/A.			
36.2	38.4	LAMPROPHYRE: Biotite porphyritic, with abundant xenoliths ranging from felsic to ultramafic; xenoliths are very assimilated and often vaguely defined; upper contact relatively sharp at 53 degrees to C/A, lower ambiguous, grading into the underlying breccia.			
38.4	61.0	DIATREME BRECCIA: Generally fine grained lamprophyre to mafic matrix (dark coloured) with small red orange			

HOLE No: CC23

CABO MINING CORP.

DIAMOND DRILL LOG

PROPERTY: Cobalt
HOLE No.: CC23

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS		
			FROM	TO	WIDTH
		fragments of granite, as well as grey felsic and large mafic fragments; stretching schistosity and layering from 40 - 50 degrees to the C/A; lamprophyre makes up from 20 - 60% of the zone as matrix, fragments and lenses.			
	45.7 - 46.5	Lamprophyre dyke; fine to medium grained dark coloured, small biotite porphyrocrysts; massive texture; upper contact at 120 degrees to C/A, oblique to layering, lower contact broken.			
	49.9 - 55.4	Intermediate dyke; fine to medium grained equigranular, locally deformed; local fine grained epidote filled fractures, including lower contact, upper contact at 110 degrees to the C/A, lower at 105 degrees; fault gouge zone from 50.0 to 50.3.			
	52.4	A 3 - 6 cm orange granite dyke, very irregular upper contact from 10 - 90 degrees to C/A, lower contact at 75 degrees to C/A; coarse grained.			
	53.6	Two orange granite fracture fillings, irregular contacts, 3 cm and 3 - 5 cm wide; coarse grained.			
	55.4 - 59.7	Zone of abundant reddish orange fragment in very fine grained mafic matrix, possibly fine grained lamprophyre.			
	57.3 - 57.6	Mafic volcanic block or wallrock			

HOLE No.: CC23

CABO MINING CORP.

DIAMOND DRILL LOG

PROPERTY: Cobalt
HOLE No.: CC23

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS		
			FROM	TO	WIDTH
		xenoliths; fine grained, dark greenish black with 25% pale grey green epidotized patches. 59.3 - 59.55: Mafic volcanic block or wallrock, as above (57.3 - 57.6). 59.7 - 60.15: Lamprophyre, biotite porphyritic, massive, no obvious xenoliths, upper contact 42 degrees to C/A, subparallel to layering, lower at 55 degrees to C/A at younger dyke; dark green. 60.15 - 61.0: Intermediate dyke; fine grained, equigranular, grey coloured, scattered calcite veinlets; minor pyrite; lower contact irregular at 62 degrees to C/A.			
61.0	66.1	MAFIC METAVOLCANIC ROCK: Massive flow or intrusive; fine grained; dark grey green; scattered calcite stringers (rare), lower contact at 42 degrees to the C/A; hematite staining (brick orange) in lower 1/2 metre.			
66.1	66.9	LAMPROPHYRE: Biotite porphyritic; sparse highly assimilated xenoliths (felsic to mafic); pale to dark green; lower contact at 43 degrees to the C/A; calcite veinlets in upper 20 cm.			

HOLE No: CC23

CABO MINING CORP.

DIAMOND DRILL LOG

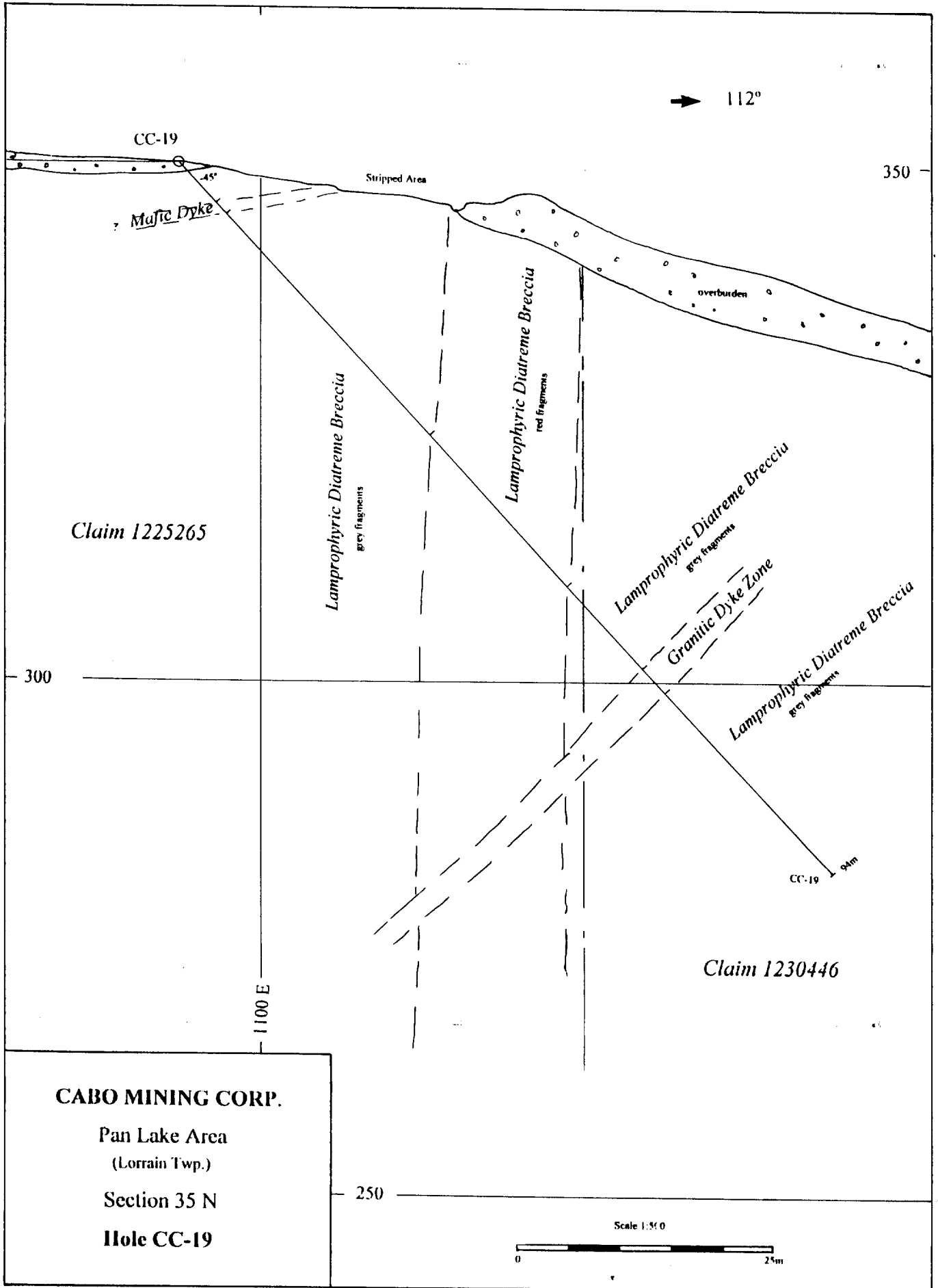
PROPERTY: Cobalt
HOLE No.: CC23

Page 5

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS		
			FROM	TO	WIDTH
66.9	72.7	<p>MAFIC VOLCANIC ROCKS: Similar to above (61.0 - 66.1) Badly jointed between 70.0 - 72.5; Lower metre deformed.</p>			
72.7	81.0	<p>DIATREME BRECCIA: Poorly developed, about 50% of zone is mafic volcanic with remainder consisting of more exotic fragments including brick orange granitic (felsite to coarse grained) (10 - 15%) and lamprophyre (20 - 40%); local lamprophyre lenses and layers; lamprophyre is biotite porphyritic and green coloured; layering from 40 - 50 degrees to the C/A. 75.1 - 75.4: Intermediate Dyke; fine grained, equigranular; dark grey upper contact at 95 degrees to C/A, lower at 110 degrees to C/A, oblique to layering.</p>			
		81.0 END OF HOLE			



HOLE No: CC23



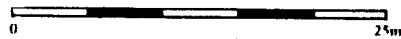
CABO MINING CORP.

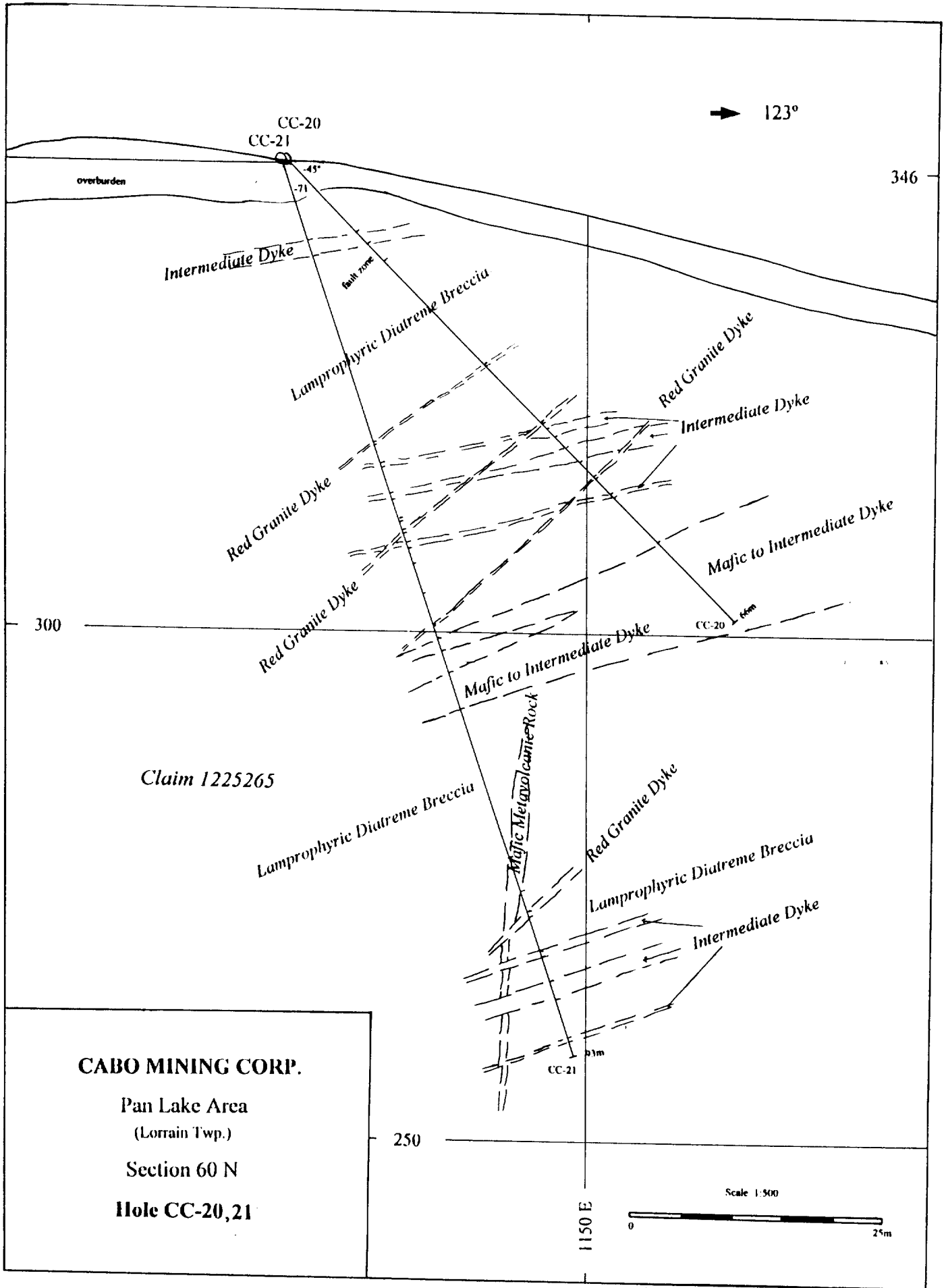
Pan Lake Area
(Lorrain Twp.)

Section 35 N

Hole CC-19

Scale 1:500



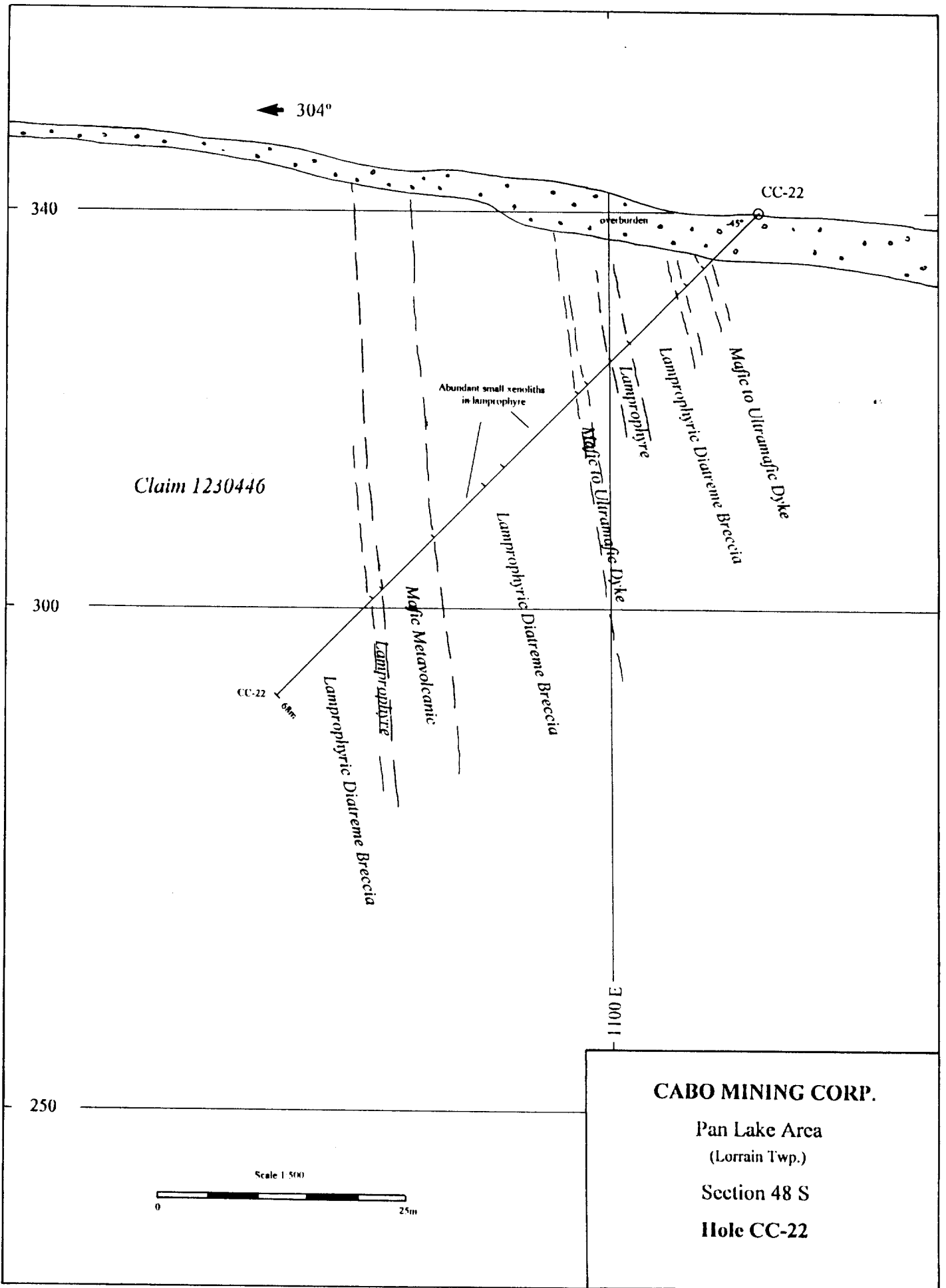


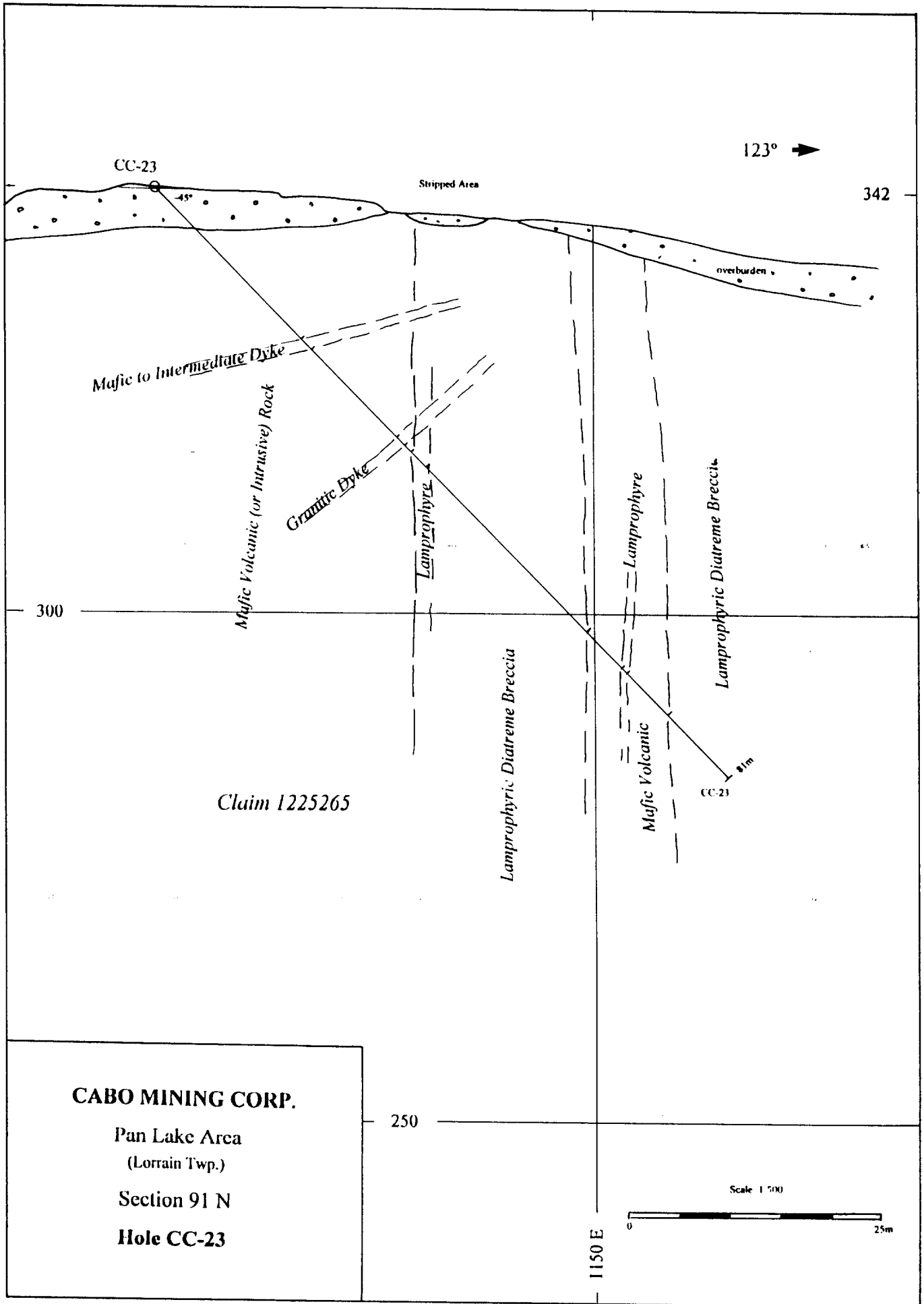
CABO MINING CORP.

Pan Lake Area
(Lorrain Twp.)

Section 60 N

Hole CC-20,21





Date: 2003-JAN-30

GEOSCIENCE ASSESSMENT OFFICE
933 RAMSEY LAKE ROAD, 6th FLOOR
SUDBURY, ONTARIO
P3E 6B5

OUTCROP EXPLORATIONS LIMITED
12 MARTIN DRIVE
COBALT, ONTARIO
P0J 1C0 CANADA

Tel: (888) 415-9845
Fax: (877) 670-1555

Submission Number: 2.24740
Transaction Number(s): W0380.00011

Dear Sir or Madam

Subject: Approval of Assessment Work

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

If you have any question regarding this correspondence, please contact LUCILLE JEROME by email at lucille.jerome@ndm.gov.on.ca or by phone at (705) 670-5858.

Yours Sincerely,



Ron Gashinski
Senior Manager, Mining Lands Section

Cc: Resident Geologist

Outcrop Explorations Limited
(Claim Holder)

Seymour M Sears
(Agent)

Simon Keith Wareing
(Claim Holder)

Assessment File Library

Outcrop Explorations Limited
(Assessment Office)

Murray D Simpson
(Claim Holder)

