

NORANDA EXPLORATION

DIAMOND DRILL



41015SW0030 W9460.00096 DENYES

010

PROPERTY: SYLVANITE

HOLE No.: SYL93-5

Collar Eastings: 2800.00

Collar Northings: -2350.00

Collar Elevation: 0.00

Date started Dec 8/93 completed Dec 11/93

Claim No: P994546, P993838

Date: Dec 14, 1993

Logged by: REP Reno Pressaco

Collar Inclination: -45.00

Grid Bearing: 210.00

Final Depth: 956.00 feet

Log completed Dec 12, 1993

FROM	TO	LITHOLOGICAL DESCRIPTION	Core storage-Aunor minesite
0	12	Casing. All casing left in place.	<i>R. Pressaco</i>
12	70.3	BASALT. Colour light green-grey, moderately soft, non-magnetic. Generally fine to medium grained texture 12-36 ft, very fine grained to aphanitic texture 36-70.3 ft. Upper coarser section resembles a plagioclase-porphyrific gabbro, gradational contacts over 5 ft. The lower fine grained section becomes weakly amygdaloidal within 15 ft of lower contact, with 1-3% chloritic-filled, 1-2 mm sized amygdules. This lower section may be weakly pillowed, as several very thin (5 mm) chloritic selvages are observed. 1-3% quartz-calcite veinlets at all angles to CA.	
70.3	88.7	KOMATIITIC BASALT (ULTRAMAFICS). Colour black to very dark grey, very soft, non-magnetic, non-calcitic. Fine grained to very fine grained massive texture for the most part. Coarser grained sections contain 5-7% very fine (0.1 mm) white coloured grains in a black matrix. Quite abundant (7-10%) quartz-calcite-talc veinlets are at all angles to CA. Most veinlets do not exceed 1 cm in width. Weakly developed brecciated texture within 3-4 ft of upper contact. Gradational lower contact.	
88.7	201.2	BASALT. Weakly pillowed. Colour light to medium grey-green, hard, non-magnetic, non-calcitic. Massive to very weakly developed pillowed and amygdaloidal texture. Grain size is quite variable, ranging from medium grained to aphanitic. Amygdules are most common in the 88.7-140 ft interval, being 3-5% in abundance near the upper contact, gradually diminishing to trace amounts through 140 ft. The amygdules are all chlorite-filled and range in size from 1 mm up to 5-7 mm (eg 117 ft).	

ALTERATION: Weak to moderate sericitic-ankeritic alteration developed 190-201.2 ft. Alteration occurs as pervasive replacement, gradually developing through 190 ft. 1-3% quartz-ankerite veinlets begin to develop below 196 ft. Weak increase in foliation in this interval.

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FROM	TO	LITHOLOGICAL DESCRIPTION
		<p>158.4-176 ft: Leucoxene-bearing interval. Sharp upper contact at 60deg to CA, gradational lower contact over 5-10 ft. 1-3% fine grained leucoxene is rather evenly distributed throughout the interval, grain size becomes smaller down the hole.</p> <p>CORE ANGLE: 45 deg to CA at 192 ft. Foliation.</p> <p>Gradational lower contact to this major unit. Contact chosen as first appearance of significant khaki-green coloured material.</p>
201.2	220.3	<p>ALTERED ULTRAMAFIC ?</p> <p>Colour dull olive green to khaki, very soft, non-magnetic. Generally massive very fine grained texture. Abundant quartz veining / stockwork (+/- ankerite-carbonate) occur as very thin veinlets and small amorphous patches. Overall quartz abundance estimated at 10%. 1-3% waxy-green coloured talc-filled veinlets and patches are present throughout.</p> <p>ALTERATION: Possible pervasive carbonate-sericite alteration imparts olive-green colour to the core.</p> <p>MINERALIZATION: 1-3% disseminated, very fine, anhedral pyrite is present, usually associated with the quartz stockworks.</p> <p>218.3-220.3 ft: Fine Conglomerate. Well developed heterolithic fragmental texture (fragment compositions difficult to identify) with 20-30% 3-5 mm sized fragments set in a grey-black matrix. Fragments are rounded to sub-angular in shape.</p>
220.3	324.6	<p>SERICITIZED PILLOWED BASALT.</p> <p>Colour light yellow-grey-green, soft, non-magnetic, non-calcitic. Massive to weakly foliated texture overall with some local sections displaying pillowed textures (eg 261 ft, 266 ft, 282 ft). 5-7% quartz-ankerite veins throughout. Occasional yellowish sericite veinlets.</p> <p>CORE ANGLE: 75 deg to CA at 226 ft. Foliation. CORE ANGLE: 60 deg to CA at 278 ft. Foliation.</p>

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FROM TO LITHOLOGICAL DESCRIPTION

ALTERATION: Weak to moderately developed pervasive sericitization throughout. Sericite is restricted to the groundmass only and has not affected the pillow selvages. Some local sections of strong sericitization.

MINERALIZATION: 1% disseminated, very fine grained anhedral pyrite is present through much of the interval, usually in association with quartz-ankerite veinlets / stockworks / patches.

312.4 - 324.6 ft: Zone of brecciation, quartz veining, and fuchsitic alteration. Gradational contacts over 2-3 ft. The main characteristic of this interval is the development of weak to moderate fuchsitic alteration. This fuchsite (5-7% abundance) occurs mostly as thin veinlets (1 mm) and a pervasive alteration to a lesser degree. A brecciated texture is quite well developed, with angular fragments of sericitic basalts (?) / sericitic-carbonate material set in a very fine grained, dark-coloured matrix. 7-10% irregularly shaped quartz-ankerite veins. Trace amounts of very fine grained disseminated pyrite.

CORE ANGLE: 60 deg to CA at 311 ft. Foliation.

324.6 412.2 ZONE OF BRECCIATION, SHEARING AND ALTERATION. Colour generally dull yellow-brown, soft, non-magnetic, non-calcitic. Strongly developed foliated and fragmental texture. Gradational contacts with brecciated zone described at 312.4 - 324.6 ft, original rock type is virtually impossible to determine. Most of the interval is composed of mixed fragments of strongly sericitized material (basalt?) and iron carbonate knots, stringers, and patches. These sericitic and carbonate fragments are roughly 30-40% in abundance, and are separated by bands (1-5 mm) of olive green / khaki brown material which define most of the foliation. Quartz veining / brecciation / patches are developed throughout (estimated at 10%), occurring mostly in foliation-parallel mode. Some of the veinlets have been boudinaged into elliptical shaped patches. Two generations of quartz are observed, and early foliation-parallel set (described above), and a later cross-cutting set typically containing ankerite patches. These later veins can reach 10 cm in width. The strength of brecciation, shearing, and alteration

DIAMOND DRILL LOG

PROPERTY: SYLVANITE
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FROM	TO	LITHOLOGICAL DESCRIPTION
		<p>gradually decreases down the hole. Below 391 ft the core becomes more uniform in texture and is moderately pervasively sericitized. Local short sections of shearing. Gradational lower contact.</p> <p>CORE ANGLE: 50 deg to CA at 366 ft. Foliation</p> <p>ALTERATION: Difficult to determine. Possible pervasive, strong, early sericitization prior to fragmentation / shearing. Pervasive carbonatization throughout. Weakly fuchsitic, containing 10-15% quartz-ankerite veining in the 375.5-391 ft section.</p> <p>MINERALIZATION: Trace to 1% disseminated very fine grained anhedral pyrite.</p> <p>CORE ANGLE: 60 deg of CA at 406 ft. Foliation.</p>
412.2	717.6	<p>BASALT, WEAKLY PILLOWED. Colour variable from dark grass green to light yellow-beige, soft, non-magnetic, weakly calcitic. Weakly to moderately developed foliated texture overall, with short local sections exhibiting weakly developed pillowed or pillow breccia textures (eg 431 ft, 436 ft). A crackle texture or a wormy texture of very fine chloritic veinlets / stringers and tiny patches is commonly developed and outlines small fragments of sericitic material. Quartz veining is quite low, perhaps 3% in overall abundance. Most veins do not exceed 2-3 cm in width, but occasional veins to 15-20 cm are present. A short 2 ft section of broken core (RQD 0%) is present at 426 ft.</p> <p>482 - 498 ft: Zone of broken / blocky core, overall RQD estimated at 50%. Minor section (1-2 cm) of fault gouge observed at 487 ft.</p> <p>CORE ANGLE: 60 deg to CA at 486 ft. Foliation. CORE ANGLE: 55 deg to CA at 694 ft. Foliation.</p> <p>Gradational lower contact over 3-5 ft. Lower contact subjectively chosen as the first appearance of sericite-carbonate alteration.</p> <p>ALTERATION: Weak pervasive sericitization occurs as small patches, and short sections throughout. 482.3 -</p>

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FROM	TO	LITHOLOGICAL DESCRIPTION
		<p>489.5 ft: section of intense sericitization containing 1-3% disseminated and patchy / stringer anhedral to euhedral pyrite. 5-7% quartz-carbonate veinlets to 10 cm. Gradational upper and lower contacts over 3-5 ft.</p> <p>MINERALIZATION: 1 % disseminated very fine grained pyrite throughout.</p>
717.6	790.8	<p>ZONE OF SHEARING AND ALTERATION. Colour variable from light yellow-green to light beige, depending on strength of alteration, soft, non-magnetic. Strongly developed foliated texture overall, with local 2-3 ft sections displaying shearing and boudinaged textures. The beginning of stronger shearing and alteration is in the area of 726 ft. The local sections with sheared textures are typically more chloritic, with thin (1 mm) chlorite-filled shear planes defining the foliation. These shear planes usually outline small fragments / patches of sericite-carbonate alteration. Based on gradational upper contact, this altered zone is interpreted to be altered mafic volcanics. Quartz-carbonate vein abundance is on the order of 7-10%, occurring mostly as thin (1-3 cm) foliation-parallel bands, stretched out patches and occasional cross-cutting veinlets. These veinlets seem to be preferentially concentrated in the chloritic sheared intervals; those sections containing massive sericite alteration contain little quantities of veining.</p> <p>CORE ANGLE: 60 deg to CA at 740 ft. Shearing. CORE ANGLE: 55 deg to CA at 786 ft. Foliation.</p> <p>ALTERATION: Strong pervasive sericite alteration throughout, largely obliterating observation of the original rock composition. Some pervasive carbonatization may also be present with the sericitic alteration.</p> <p>MINERALIZATION: Trace-1% disseminated, subhedral-euhedral, fine grained pyrite is present throughout, but seems to be preferentially hosted in sections of sericitic alteration.</p> <p>776.4-780.8 ft: Zone of quartz-carbonate veining.</p>

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FROM	TO	LITHOLOGICAL DESCRIPTION
		Overall vein abundance is on the order of 70%, mostly composed of one large vein 777.6-779.5 ft, containing 1-3% chloritic fragments and stringers. Several of the smaller veins have drusy carbonate developed along the vein walls, and clearly cross-cut the foliation (late stage veins).
790.8	874.8	<p>HEMATITIC POLYMICHTIC CONGLOMERATE. Colour variable from light reddish-pink to light beige to light green, moderately hard, non-magnetic. Moderately foliated, granular to coarse clastic texture. Although variable, the abundance of coarse clasts is on the order of 10-20% overall, with clast sizes ranging up to 2-3 cm in size. The clasts can be seen to be polymictic, although one composition is most abundant (quartzitic clasts). Other clast compositions include mafic volcanics, sericitic material, and an apple-green material. The clasts are sub-angular to rounded in shape, and are matrix-supported by a fine, relatively clean quartzitic matrix. The foliation is defined by an orientation / fabric in the matrix to some degree, but more by bands of chloritic / dark green coloured material up to 5 mm in width. Trace quartz veining and patches.</p> <p>ALTERATION: Weak pervasive hematization throughout. Minor chloritization defines the foliation.</p> <p>MINERALIZATION: nil sulphides observed.</p> <p>CORE ANGLE: 55 deg to CA at 796 ft. Foliation. CORE ANGLE: 50 deg to CA at 851 ft. Foliation.</p>
874.8	932.2	<p>Minor shearing within 5-7 ft of lower contact.</p> <p>MASSIVE BASALT. Colour dark green, soft, non-magnetic. Massive to weakly foliated, very fine grained to aphanitic texture. Quartz-carbonate is rather common, being on the order of 7-10% in overall abundance, and occurring as thin veinlets and very fine networks / stockworks. One short section (912-915 ft) contains 60-70% quartz veining. The veins also contain sericitized fragments and thin veinlets / patches of a dark green to black material (Fe-chlorite?).</p> <p>ALTERATION: Weakly developed chloritization in</p>

DIAMOND DRILL LOG

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FROM	TO	LITHOLOGICAL DESCRIPTION
		<p>vicinity of larger quartz veins.</p> <p>MINERALIZATION: Rare to minor disseminated pyrite within 5 ft of upper contact.</p> <p>CORE ANGLE: 60 deg to CA at 876 ft. Foliation. CORE ANGLE: 55 deg to CA at 927 ft. Foliation.</p>
932.2	956.0	<p>WEAKLY HEMATITIC MONOMIC TIC CONGLOMERATE. Colour light reddish-pink to light beige, moderately hard, non-magnetic. Moderately foliated, well developed fragmental texture. Clast abundance is less than in the similar unit above, but the matrix remains the same. Trace quartz-carbonate veining / patches.</p> <p>ALTERATION: Weak pervasive hematization, weak sericitization. Minor chloritic stringers / veinlets throughout.</p> <p>MINERALIZATION: Trace sulphides observed within 5 ft of upper contact. Sulphides are disseminated, fine grained euhedral pyrite. END OF HOLE, 956.0 FT.</p>

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

BQ NOS Drilling

Claim No: P994545

PROPERTY: Sylvanite
 HOLE No.: SYL93-6
 Collar Eastings: 2000.00
 Collar Northings: -2450.00
 Collar Elevation: 0.00

Date: Jan 3, 1994
 Logged by: rep Reno Pressaco
 Collar Inclination: -45.00
 Grid Bearing: 210.00
 Final Depth: 816.00 feet

Date started Dec 11/93 completed Dec 13/93

Core storage-Aunor minesite

FROM TO LITHOLOGICAL DESCRIPTION Log completed Dec 14, 1993

0 5 Casing. All casing recovered. *R. Innes*

5 117.8 ULTRAMAFICS (KOMATIITIC BASALTS).
 Colour dark green, soft, weakly to non-magnetic.
 Weakly to moderately well developed foliated texture.
 Quartz-(talc) veinlets are quite common, accounting for roughly 7-10% of the core. These veinlets are quite variable in width, up to 2-3 cm, and are at all angles to CA.

Core Angle: 75 deg to CA at 76 ft. Foliation.
 Possible weakly developed pillowed texture observed in the 86-96 ft interval. Occasional narrow sections of fault gouge (5mm - 1cm) are present in the 111 - 117.8 ft interval.
 MINERALIZATION: Trace disseminated, very fine grained anhedral pyrite.

117.8 509.2 PILLOWED BASALT.
 Colour medium green-yellow, soft, non-magnetic. Moderately well developed pillowed texture is observed in at least the 117.8 - 156 ft section. The pillows are on the order of 3-4 ft in size, and separated by narrow (3 -5cm) bands of dark green to black hyaloclastic material. 1-3% quartz-calcite veinlets are present at all angles to CA. Core becomes more massive in texture and taking on a gabbroic texture below roughly 186 ft to 231 ft.
 Core Angle: 60 deg to CA at 376 ft. Foliation.
 Core Angle: 60 deg to CA at 455 ft. Foliation.
 Core Angle: 50 deg to CA at 468 ft. Shearing.
 Core Angle: 55 deg to CA at 501 ft. Foliation.

Foliation strength gradually increases down the hole from roughly 450 ft to end of this section. A narrow section of sericitic fault gouge is present 467.6-468.7 ft.
 ALTERATION: Occasional very weak sericitization

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY: Sylvanite
HOLE No.: SYL93-6

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FROM TO LITHOLOGICAL DESCRIPTION

observed along some of the pillow margins.

MINERALIZATION: Nil sulphides observed.

509.2 597.5 SHEARED, ALTERED MAFIC VOLCANICS.

Colour variable from medium green-grey to light beige, depending on strength of alteration, soft, non-magnetic. Well developed foliated texture, variably well developed sheared texture throughout. The shearing texture is displayed by the development of anastomosing chlorite -(sericite) shear planes and by boudinaged and stretched out patches of quartz veinlets / patches. Quartz vein abundance is quite variable, but overall is estimated at 5 - 7%. Veining occurs mostly as foliation parallel veinlets / patches and as lesser amounts of later-stage cross-cutting veinlets. Most veins do not exceed 1 - 2cm in thickness.

ALTERATION: Weak to moderately well developed patchy-pervasive sericitization - (carbonatization) throughout.

558.3 - 571.2 ft: strong sericitic alteration, shearing, and quartz veining. 50% quartz veining 566 - 571.2 ft.

MINERALIZATION: Trace disseminated pyrite.

Core Angle: 60 deg to CA at 531 ft. Foliation.

Core Angle: 50 deg to CA at 595 ft. Foliation.

597.5 621.1 SILICIFIED, SERICITIZED MAFICS ??

Colour variable from light green-grey to light yellow brown, hard, non-magnetic. Moderately to strongly developed foliated texture with thin hairline sericitic-filled veinlets and chlorite-filled veinlets defining the foliation for the most part. Much of the original protolith is not clearly visible due to the strength of the alteration, however the weak green colour suggests that these are altered mafics. Sharp upper contact parallel to foliation, lower contact is indistinct, visible only because of a colour change to a pinkish colour. Weakly developed sheared textures are observed on occasion. 1-3% randomly oriented quartz-carbonate veinlets and patches throughout.

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY: Sylvanite

HOLE No.: SYL93-6

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FROM TO LITHOLOGICAL DESCRIPTION

Core Angle: 45 deg to CA at 611 ft. Foliation.

ALTERATION: Mixed silicification, sericitization and chloritization are moderately to strongly developed.

MINERALIZATION: Trace to nil sulphides observed.

621.1 816.0 HEMATITIC POLYMICITIC QUARTZITIC CONGLOMERATES.

Colour variable from white to pinkish, hard, non-magnetic. Well developed fragmental texture and moderately to strongly foliated. For the most part, this unit consists of 5 - 10% heterolithic clasts to 3-5cm in size, matrix-supported by a quartzitic granular matrix. The matrix is quite uniform and consists mostly of tiny quartz grains. 1-3% quartz-carbonate - (+/- hematite) veinlets throughout.

Core Angle: 45 deg to CA at 661 ft. Foliation.

Core Angle: 55 deg to CA at 686 ft. Shearing.

ALTERATION: 3-5% chlorite-filled veinlets are present throughout, at times in an anastomosing sheared texture.

MINERALIZATION: Rare disseminated pyrite.

816.0 END OF HOLE.

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

BQ NDS Drilling

Claim No: P960506, P994544

PROPERTY: Sylvanite

Date: Jan 3, 1994

HOLE No.: SYL93-7

Logged by: rep **Reno Pressaco**

Collar Eastings: 0.00

Collar Inclination: -45.00

Collar Northings: -2925.00

Grid Bearing: 210.00

Collar Elevation: 0.00

Final Depth: 426.00 feet

Date started Dec 13/93 completed Dec 14/93

Log completed Dec 16, 1993

FROM	TO	LITHOLOGICAL DESCRIPTION	Core storage-Aunor minesite
0	11	Casing. All casing recovered on termination of hole.	<i>R. Pressaco</i>
11	83.7	<p>FINE GRAINED ULTRAMAFIC</p> <p>Colour variable from light grey to dark green, very soft, non-magnetic. Massive patchy/crystalline texture to very weakly foliated locally. For the most part the core is quite homogenous in nature, consisting mostly of 1-5mm sized rounded patches of dark green coloured material set in a matrix of very fine light grey-green material. Possible weakly developed, rare pillow breccia / flow breccia texture is observed at 27-29 ft. Trace quartz-calcite veinlets throughout. Lower contact is gradational over 5 - 10 ft, and is subjectively chosen as the first appearance of significant amounts of porphyritic textured core.</p> <p>MINERALIZATION: Nil sulphides observed.</p>	
83.7	226.0	<p>GABBRO (COARSE MAFIC INTRUSIVE)</p> <p>Colour medium green-yellow, moderately hard, non-magnetic. Massive homogenous porphyritic texture for the most part, with both sausseritized plagioclase phenocrysts and mafic phenocrysts set in a very fine grained to aphanitic matrix. In all, the phenocrysts make up over 50% of the core. The plagioclase has a weakly glomeroporphyritic texture in places, and is mostly as anhedral, rounded patches to a maximum of 5mm in size. The mafic phenocrysts occur mostly within 15-20 ft of upper contact, where they are uniformly of a 1-2mm in size. 1% thin quartz-calcite veinlets throughout. 1-3% chlorite-filled veins to 1cm in width are at all angles to CA. Gradational lower contact is chosen as the last appearance of significant amounts of phenocrystic-textured core.</p>	
226.0	388.9	<p>ULTRAMAFIC FLOW (WEAKLY PILLOWED)</p> <p>Colour medium green-grey to black, very soft, non-magnetic. Generally massive, very fine grained texture overall, with only local short sections displaying a weakly developed foliated texture. Possible</p>	

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY: Sylvanite

HOLE No.: SYL93-7

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FROM TO LITHOLOGICAL DESCRIPTION

weakly developed pillowed or flow breccia textures are observed on occasion (eg 261 ft, 267 ft, and 271 ft). 3-5% quartz-calcite veinlets throughout rarely exceed 3-5cm in width. The core is homogenous very fine grained to fine grained for the most part, but becomes medium grained and plagioclase-porphyritic in the 316-331 ft section. Gradational lower contact over 2-3 ft, lower contact is chosen as the first appearance of porphyritic-textured core.

388.9 426.0 GABBRO (MEDIUM, PORPHYRITIC MAFIC INTRUSIVE).

Colour medium green-grey, moderately hard, non-magnetic. Massive medium grained porphyritic texture throughout. Gradational upper contact. Much of the porphyritic textured material consists of anhedral 1-5mm sized plagioclase phenocrysts and an anhedral khaki to olive green, 1-2mm sized mafic phenocryst. Trace quartz-calcite veinlets.

426.0 END OF HOLE.

30008

28008

26008

24008

22008

P993838

P994546

0 ← Az 210

SYL93-5

0

-45

Coring

Basalt, whly pillowed

Basalt, hornitic, massive

Basalt, whly pillowed

Basalt, med cor-ank alt'n

Ultramafic Volcanic, corb-cor alt'n, 1-2E disc py

Basalt, massive to pillowed, med cor alt'n, qtz-ank va

Alt'd Ultramafic Volcanic, but'd, qtz veins, fu alt'n

Alt'd Basalt, but'd, cor-cor alt'n, 1E py

Basalt, whly pillowed, sh cor alt'n

Basalt, string cor alt'n, 1-2E stringer py

Basalt, whly pillowed, sh cor alt'n

Alt'd Basalt, cor'd, string cor alt'n, 1E py

Polymictic Conglomerate, ham alt'n

Basalt, massive

Polymictic Conglomerate, sh ham alt'n

985.00 ft.
SYL93-5

-200

-200

-400

-400

-600

-600

-800

-800

26008

24008

22008



REVISED	SYLVANITE LAKE DDH SYL 93-5 SECTION 2800E	
PROJECT:		
PROJ. NO. 89	SURVEYED BY: _____	DATE: FEB 3, 1974
N.T.S.	DRAWN BY: _____	SCALE: 1:1000
DWG. NO.	NORANDA EXPLORATION CO. LTD. OFFICE: <u>Timmins, ONTARIO</u>	

30008

28008

30008

28008

26008

24008

P994545

0 ← Az 210°

SYL93-6

0

-45°

Casing

Ultramafic Volcanic, hornblende basalt, chly fol'd

-200

-200

Basalt, pillowed, ch cor alt'a

-400

-400

Basalt, str'd, med cor-corb alt'a, ls py

Alt'd Basalt, med-strg sil-cor-obl alt'a

Polymictic Conglomerate, ben alt'a, chl stringers

-600

-600

815.00 ft.
SYL93-6

-800

-800

26008

24008

REVISED

SYLVANITE LAKE

DDH SYL 93-6

SECTION 2000E

PROJECT:

PROJECT NO. 007

SURVEYED BY:

DATE: FEB 3, 1964

N.T.S.

DRAWN BY:

SCALE: 1:500

DWG. NO.

NORANDA EXPLORATION CO. LTD.

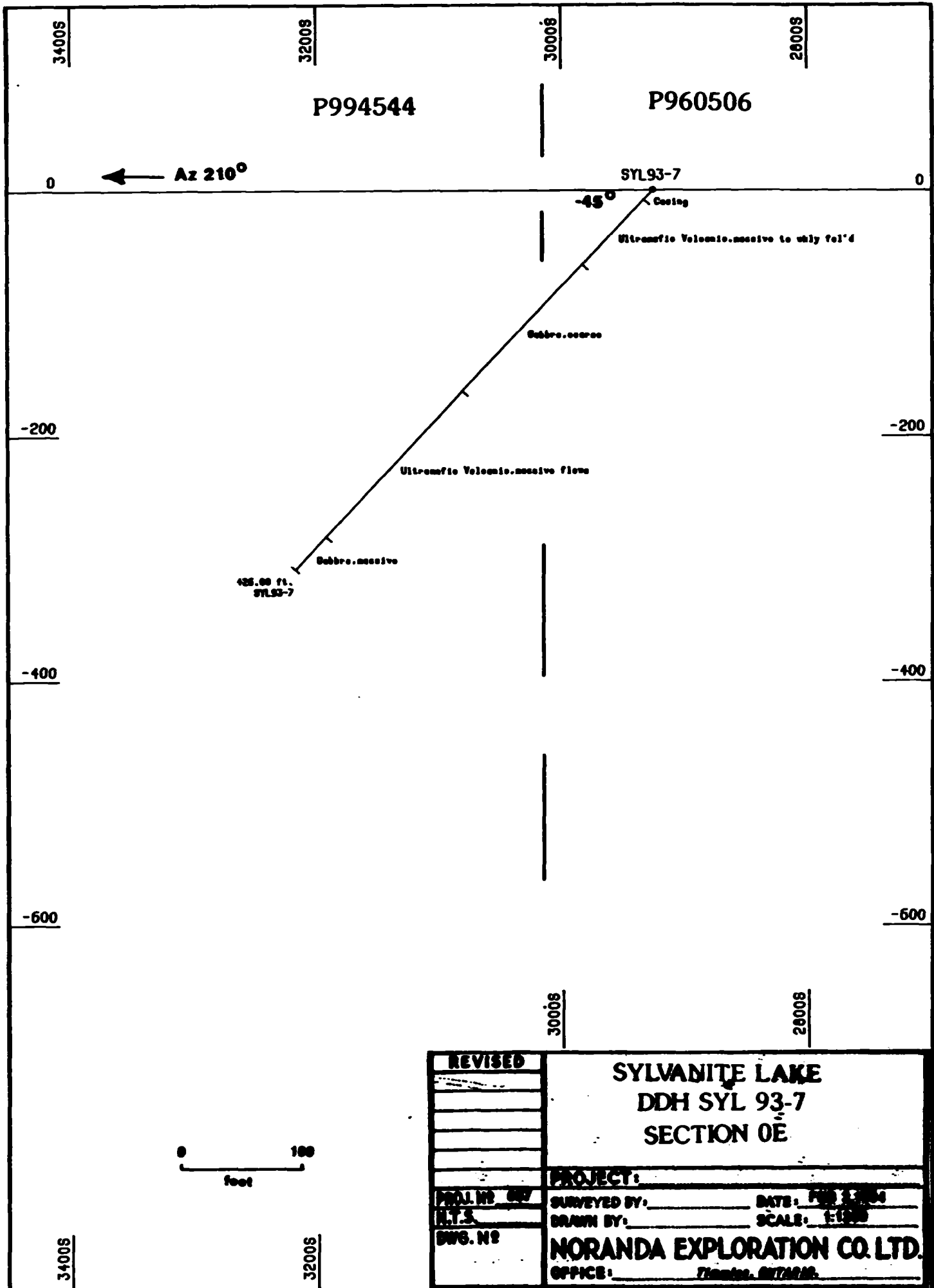
OFFICE:

Timmins, ONTARIO

30008

26008

0 100
feet



P994544

P960506

34005

32005

30005

28005

0

← Az 210°

0

SYL93-7

-45°

Casing

Ultramafic Volcanic massive to wily fol'd

Subvolcanic

-200

-200

Ultramafic Volcanic massive flow

Subvolcanic

425.00 ft.
SYL93-7

-400

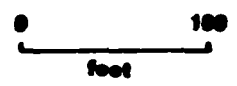
-400

-600

-600

30005

28005



REVISED	<p>SYLVANITE LAKE DDH SYL 93-7 SECTION 0E</p>	
PROJECT:		
PROJ. NO. 007	SURVEYED BY: _____	DATE: FEB 3 1994
N.T.S.	DRAWN BY: _____	SCALE: 1:1000
DWG. NO.	<p>NORANDA EXPLORATION CO. LTD. OFFICE: _____ Timmins, ONTARIO</p>	

34005

32005



020

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

LATITUDE 23+25S
 DEPARTURE 24+00E
 ELEVATION Surface
 DIP AT COLLAR -45° BEARING 210°
 TOTAL DEPTH 301.00 CORE SIZE BQ
 CONE STORAGE Aunor Minesite-Timmins
 REMARKS Log completed Nov 24, 1992

Test Depth	Dip	Magnetic Bearing	Corrected Bearing
-60m	-45°		
-120	-45°		
-180	-43°		
-240	-43°		
-299	-42°		

Sheet No. 1 of 9
 Project No. 107 Hole No. SYL-92-1
 Property Sylvanite
 NTS 410/15 TWP Denyes Claim No. P994545
 Date started Nov. 21/92 completed Nov. 23/92
 Contractor Bradley Bros. - Timmins
 Logged by Reno Prassacco

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
0-4 4-88.15 BASALT	Casing. All casing recovered on termination of hole. Colour light grey-green, moderately soft, non-magnetic, non-calcareous. Overall weakly to moderately, well developed sheared texture, good C-S fabric observed 24-28m. 5-7 $\frac{1}{2}$ quartz-ankerite veinlets developed throughout, generally highly irregular and patchy in shape, at times giving a fragmental texture to core. Quartz-ankerite veins are ankerite-rich at times and up to 5cm in width. Core Angle: 50° to CA at 18m. Foliation Core Angle: 60° to CA at 42.1m. Foliation	Some weak chloritized sections in the 10-15m section. 3-5 $\frac{1}{2}$ leucoxene present through remainder of core.	1-3 $\frac{1}{2}$ diss. euhedral fine grained medium grained pyrite observed 14-15.5m section. 1-3 $\frac{1}{2}$ patchy pyrite observed in the 37.45-38.87m interval. Pyrite occurs with a weakly sheared quartz breccia or fragmental-textured quartz interval (20-25 $\frac{1}{2}$ quartz fragments).	Traces of very thin, very fine grained stringer pyrite observed in the 63.5-65.0m section.
	Carbonate species in the quartz veins changes from ankerite above roughly 50m to calcite below 50m, approximately concurrently with the colour change in the core. Quartz veining/stockwork is roughly 3-5 $\frac{1}{2}$ (locally 7-10 $\frac{1}{2}$) in abundance below 50m. The veins occur as discrete veins to 3-5cm in width, but commonly also as small lenses, irregular patches and randomly oriented stockworks. Traces	Weakly developed chloritization containing 1-3 $\frac{1}{2}$ diss. f.g. leucoxene observed in 47-64m section. This is marked by a change in colour from light grey to medium green.		

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Sheet No. 2 of 9
 Project No. 107
 Hole No. SYL-92-1
 Property SYLVANITE

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
	<p>of hematite impart a pinkish colour to the quartz in the 63-67m interval.</p> <p>Core Angle: 45° to CA to 59.7m. Foliation.</p> <p>77-60-85.30m: Massive to very weakly foliated, leucokene-bearing interval. Colour darker green than surrounding host rock, possibly due to chloritization. 1-3% very fine leucokene. Trace 1% disseminated, very fine to fine grained pyrite. Gradational contacts. Narrow section (5-10cm) of possible fault gouge present at 84.90m.</p> <p>The host rock above and below this massive interval consists of a light green, very fine grained basalt which has been weakly to moderately fractured. These fractures (5-7% abundance) are up to 1-2mm in thickness, randomly oriented, and are filled with a dark green to black, very fine grained granular material. Some fractures are filled with quartz.</p> <p>85.30-88.15m: Section contains 7-10% quartz veining and stockwork. Abundant carbonate is present in veins and is ankerite. Weakly developed sericite alteration is associated with the vein walls, and forms an envelope up to 1-2cm from the vein contact. Trace</p>	<p>Light grey colour possibly due to pervasive carbonatization of the host rock. Generally light grey colour prevails from 4-47m.</p>		

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Project No. 107 Sheet No. 3 Of 9
 Hole No. SYL-92-1
 Property SYLVANITE

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
<p>88.15-122.70 ULTRAMAFIC (BASALTIC KOWALITITE)</p>	<p>-1% disseminated, very fine, and fine grained subhedral pyrite is found with this sericitic halo.</p> <p>Colour variable from black to light green-grey, depending on alteration strength, non-magnetic, non-calcareous, very soft.</p> <p>Strongly foliated texture with bands and elongated "fragments" defining the foliation planes. Quartz-ankerite veining is roughly 5-7% in abundance, occurring as discrete veins (cross-cutting) and patches/fragments.</p> <p>Core Angle: 75° to CA at 93m. Foliation Core Angle: 70° to CA at 101m. Foliation Core Angle: 70° to CA at 113m. Shearing</p> <p>Foliation parallel quartz veining and a quartz breccia/fragmental textured quartz is present throughout this ultramafic unit in roughly 1-3% abundance. Quartz becomes heavier in abundance concurrent with ankerite, becoming 7-10-15% locally (eg. 97-98m). Generally a very strong foliation accompanies this alteration, taking on a sheared texture at times (eg. 113m). Trace fuchsite observed with quartz at 114.5m and 117.3m.</p>	<p>Moderate-strong ankerite enrichment observed in the 88.15-103m section. Ankerite occurs as discrete fine grained spots and as irregular, discontinuous bands.</p> <p>Overall, ankerite abundance is roughly 20-30%. Some narrow zones of weakly developed fuchsite observed at 93.20 and 93.50m. Rare pyrite is observed with fuchsite at 93.70m.</p> <p>107-122.70m: strong foliation with quartz-ankerite veining developed. Quartz and ankerite are subequal in abundance in veined intervals. Moderate pervasive ankerite enrichment occurring as foliation-parallel</p>	<p>Trace 1% very fine grained pyrite occurs throughout the ultramafic section.</p>	

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Sheet No. 4 of 9
 Project No. 107 Hole No. SYL-92-1
 Property SYLVANITE

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
<p>122.70-144.9 ALTERED BASALT</p>	<p>30cm wide milky quartz vein observed at 99.9m. 109.91-110.88m: Weakly ankeritized dioritic dike. Colour light grey, moderately hard, non-magnetic. Weakly developed foliated texture. Quartz veining increases in abundance at the expense of ankerite below roughly 117m to the end of the section. Lower contact is difficult to pick out, and is chosen as the first appearance of significant sericite-pyrite.</p>	<p>bands to 1cm wide.</p>	<p>122.7-127.49m: overall 3-5% disseminated, fine to medium grained, subhedral pyrite. Locally can get to 25% disseminated fine pyrite intimately associated with sericite (24.9m).</p>	
	<p>Colour variable from light yellow-green to light beige-buff depending on sericite-carbonate abundance, soft, non-magnetic, non calcareous. Overall a weakly developed foliated texture alternates with sections of massive weakly altered basalt. Alteration is weak to moderate overall, with local sections being heavily altered to sericite (eg. 124-127.49m). Quartz veining is 1-3% in abundance overall, but can become quite heavy in local sections (eg. 122.7-125m), occurring both as discrete veins and strongly silicified sections. Individual veins can be up to 10cm in width. Ankerite, to 5-10% abundance, is typically present in the quartz veins.</p>	<p>Pervasive sericite carbonate (?) throughout. 122.70-127.49m: heavily altered zone. Strongly sericitized with white and black quartz veining 122.7-123.6m, nearly massive silica 123.6-124.5m, strongly sericitized 124.5-126m. Quartz section 122.7-123.6m has a banded/</p>		

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Sheet No. 5 Of 9
 Project No. 107
 Hole No. SYL-92-1
 Property SYLVANITE

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
<p>144.94-230.00 BASALT</p>	<p>127.49-140.33m: weakly to moderately altered basalt, containing only a few short sections of sericite-pyrite-quartz alteration at 135.65-136.66m, and 138.27-138.58m. The basalt is generally well fractured with the fractures being filled with a dark green, very fine material. Rarely, weakly developed, small pillows are observed at 130.8 and 134.8m. In general, the groundmass of this basalt appears to have been altered by a fine mass of sericite-carbonate which imparts a yellowish colour to the core. Core Angle: 65° to CA at 136.0m shearing. 140.33-144.94m: Section of moderate to strongly sericitized basalt containing 4-5 quartz-ankerite veins to 10cm in width. The core is a yellow beige colour where the sericite is most abundant. 3-5t pyrite (locally smv over 3-5cm) occurs with the stronger sericite, as small disseminated patches and subhedral to anhedral grains to 1-2mm in size. Sericite alteration gradually decreases below roughly 143m to 144.94.</p>	<p>brecciated texture with alternating, .5mm wide bands of white and black quartz and strongly sericitized basalt.</p>	<p>Trace lt disseminated fine grained anhedral pyrite.</p>	
<p>Colour medium green-gray, soft, non-magnetic, non-calcareous. Massive to weakly foliated, very fine grained granular texture. 3-5t quartz-ankerite veinlets/stockworks are present and rarely exceed 1-2cm in width. Ankerite</p>	<p>occasional short sections of sericite-carbonate-quartz-pyrite alteration are present, especially within</p>			

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Sheet No. 6 of 9
 Project No. 107 Hole No. SXL-92-1
 Property SYLVANITE

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
	<p>can constitute up to 50% of any given vein. Some veins have weakly sericitized vein walls, where the alteration penetrates only 1-2mm into the host rock. 1-3% disseminated very fine grained leucoxene becomes apparent below approximately 158m to 173m.</p> <p>Core Angle: 65° to C.A. at 162m. Foliation.</p> <p><u>175.26-180.28m</u>: weakly altered interval. Pervasive, weak-moderate sericite-carbonate alteration is present throughout the ground-mass of the host unit, locally strong in the vicinity of quartz veins (eg. 175.80m). 5-7% pyrite is present over short lengths with stronger sericite alteration.</p> <p><u>180.28-184.15m</u>: interval of moderate to strong sericite-(pyrite) alteration and quartz veining. The sericite seems to show a spatial relationship to quartz veining, and can contain 3-5% (locally) disseminated pyrite. Overall sulphide abundance 1-3%.</p> <p>Quartz-ankerite vein abundance 20-30% in this section, occurring mostly as veins to 0.5m in width. Larger veins show ribbon textures. Two quartz generations are clearly observed from cross-cutting veins. A large vein at 186.5m contains sub-equal amounts of white and black quartz. Upper and lower contacts are gradational.</p>	<p>5-10m of upper contact (eg. 147.34-147.90m and 148.75-149.55m).</p>		

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Sheet No. 7 of 9

Project No. 107 Hole No. SYL-92-1

Property SYLVANITE

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
<p>230.00-291.00 ALTRAND POLYMITIC CONGLOMERATE</p>	<p>184.15-195.57m: Weakly to moderately well sericitized basalt. Weak sericite alteration occurs as a pervasive replacement of the host groundmass and local moderate to strongly sericitized sections are developed in vicinity of quartz-ankerite veins. A change in carbonate species is noted at 194.3m. Above this point, ankerite is present in the veins. Below this point, calcite is present with the quartz veins.</p> <p>Core Angle: 60° to CA at 214.8m. Foliation</p> <p>The carbonate species changes back to ankerite again below approximately 230m. 3-5% disseminated, fine grained leucoxene is present in the 228-230m section.</p> <p>Colour variable from light yellow-green to beige-buff, depending on strength of alteration. Soft, non-magnetic. Overall a weak to moderately well developed foliated and sheared texture, is present throughout the unit. Upper contact is gradational, as alteration strength increases slowly down the hole over roughly 1m. 3-5% quartz-ankerite veins overall, occurring as foliation parallel veins to 5cm, foliation parallel knots of quartz-ankerites, amorphous patches and pygmatic veins which parallel CA.</p>	<p>Pervasive ankerite-sericite alteration is present through entire section to varying degrees. Weakly altered sections are a light-yellow green colour, while the most strongly altered sections consist of 100% sericite-ankerite in subequal amounts.</p>	<p>184.15-195.57m: Trace to 1% disseminated pyrite occurs principally with better developed sericite-quartz alteration.</p> <p>Trace -1% disseminated and rare stringer pyrite intimately associated with the more strongly sericite-ankerite sections. Pyrite is present only in upper third of this unit.</p>	

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Sheet No. 8 of 9

Project No. 107 Hole No. SXL-92-1

Property SYLVANITE

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
	<p>Well developed anastomosing shear textures are common throughout the interval.</p> <p>Core Angle: 60° to CA at 243m. Shearing.</p> <p>The more strongly altered sections are as follows:</p> <p>231.35-231.64: Mixed quartz-sericite with 1-3% diss. pyrite.</p> <p>235.14-237.34: sericite-ankerite with trace pyrite.</p> <p>240.63-251.0: mixed sericite-ankerite-quartz/silica-chlorite (sheared).</p> <p>243.20-244.83: altered dike</p> <p>251.0-262.76: chlorite-ankerite dominated shear zones, minor quartz/silicification.</p> <p>Core Angle: 55° to CA at 251.0m. Shearing</p> <p>Core Angle: 55° to CA to 264.0m. Shearing</p> <p>Shearing strength and textures increases gradually down the hole. Above roughly 251m the core is strongly foliated, but displays no well developed shear planes, aside from some short 5-10cm sections. Below 251m to 262.7m, corresponding with a chlorite-ankerite altered zone, shearing becomes quite strong and individual shear planes are easily observed. The shear planes are filled with a dark green aphanitic material which outline and define lensoids or "fragments" of lighter coloured ankeritized material. This imparts a definite fragmental texture to the core.</p>			

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Sheet No. 9 of 9
 Project No. 107 Hole No. SYL-92-1
 Property SYLVANITE

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
<p>291.82-301.00 BASALT</p> <p>301.00</p>	<p>Additional altered sections are:</p> <p>267.5-270.70m: mixed sericite-ankerite, trace hematite toward end of sub-unit.</p> <p>270.70-286.05: strong sericite-ankerite with hematite giving a pink colouration to core. Some chloritic shearing. Some sections are granular and fragmental textured suggesting this sub-unit may be an altered (felsic??) dike.</p> <p>286.05-291.82: moderate ankerite-sericite alteration, local sections of strong sericite alteration.</p> <p>Core Angle: 60° to CA at 272.0m. Foliation.</p> <p>Core Angle: 60° to CA at 285.0m. Foliation.</p> <p>Colour medium to dark green, soft, non-magnetic, non-calcareous. Massive to very weakly foliated, very fine grained texture. 1-3ft quartz-calcite veinlets containing traces of hematite. Carbonate species changes from ankerite above 291.82m to calcite below 291.82m.</p> <p>End of Hole.</p>			<p>Note: A similar unit was intersected at the beginning of hole SYL-92-3 where it has been logged as a poly-mictic conglomerate. These two units may be correlatable. The rock name of this unit was changed upon viewing the core from hole SYL-92-3.</p>

LATITUDE 16+758
 DEPARTURE 32+00E
 ELEVATION SURFACE

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Sheet No. 1 of 4

DIP AT COLLAR -45° BEARING AS. 210°
 TOTAL DEPTH 200.00m CORE SIZE BQ
 CORE STORAGE Aunor Mine site - Timmins

Test Depth	Dip	Magnetic Bearing	Corrected Bearing
60m	-44°		
120m	-45°		
200m	-44°		

REMARKS Log completed Nov 26, 1992

Project No. 107 Hole No. SYL-92-2
 Property Sylvanite
 MTS. 41 0/15 TWP. DANVER CLAIM No. P994546
 Date started Nov. 24, 1992 completed Nov. 25, 1992
 Contractor Bradley Bros.
 Logged by R. Prassacco

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
0-10	Casing. All casing recovered on termination of hole.			
10-35.92 SHEARED MAFIC INTRUSIVE (GABBRO-DIORITE)	Colour variable from dark green to a light grey-green, variably hard from hard (lighter coloured material) to soft (dark green material), non-magnetic, non-calcareous. Moderately well developed foliated and porphyritic texture. Phenocryst composition is dominated by a dark green chloritic material (7-10% abundance), with minor amounts of plagioclase and quartz phenocrysts also present. 1-3% ankeritic clots to 5mm in size are present in the more heavily sheared sections. Core Angle: 65° to CA to 24.5 on shearing. 1-3% thin quartz-calcite veins/veinlets are present throughout interval. 24.5-29.5m: plagioclase-porphyritic section. 7-10% rounded plagioclase phenocrysts are set in an aphanitic, sheared matrix. The carbonate species changes from ankerite above 35.92m to calcite below 36.92m.			

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Project No. 107 Sheet No. 2 Of 4
 Property SYLVANITE Hole No. SYL-92-2

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
35.92-64.86 FOLIATED, IMBRICATED/ LAPILLI/ FRAGMENTAL	Colour dull medium grey, soft, non-magnetic non-calcareous. Moderately to well developed foliated texture. Fragments to 1-3 cm in size are present throughout the section. Fragments are generally sub-angular and are basically monolithic, consisting of a light, aphanitic to very fine grained, felsic material. Rare quartz-calcite veinlets do not exceed 1-2cm in width.		Trace-1% diss. pyrite observed with a sheared interval at 46.10-46.40m.	Probably IP anomaly 60.85-64.86m.
35.92-39.5m: Moderately to well sheared section. Shear planes are marked by the presence of epidote-sericite-chlorite. Trace 1% disseminated, very fine grained, anhedral pyrite observed 37.5-38.0m. Core Angle: 60° to CA 48.5m foliation.	60.85-64.86m: section of darker coloured lapilli/fragmental, possibly due to incipient chloritization. Upper contact of sub-unit is gradational over 30-50cm. Fragment abundance drops off to 3-5%, and the core becomes less foliated, becoming almost massive in texture. Some narrow interval of a black graphitic argillite are interspersed through the lower half of sub-unit and account for roughly 5-7% abundance. A 2cm and 10cm interval of graphitic argillite are present at 64.66 and 64.75m respectively. Core Angle: 65° to CA at 63.5m foliation.		60.85-64.86m: overall pyrite abundance 1-3% occurring as diss. fine grained sub-hedral grains, and patches of fine crystal aggregates to 1-2cm in size. Heaviest pyrite concentration is in the 63.44-64.00m section (7-10% pyrite)	

NORANDA EXPLORATION COMPANY LIMITED DIAMOND DRILL CORE LOG

Sheet No. 3 OF 4
 Project No. 107 SYLVANITS
 Hole No. _____
 Property _____

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
<p>64.86-112.40 BASALT</p>	<p>Colour variable from light beige-yellow to medium green, soft to moderately hard, variably calcareous. Variable texture from massive, aphanitic to weakly developed fragmental texture (pillow breccia?). 1-3% quartz-calcite veinlets are oriented to all angles to CA. Weakly developed pillow textures observed in some short sections (eg. 85m).</p> <p>103.80-105.00M: moderately well developed hyaloclastite-bearing section.</p> <p>105.56-108.19M: Gabbro dike. Colour dark green, moderately hard, non-magnetic. Massive, porphyritic texture with 10-15%, 1-3mm sized chloritic phenocrysts set in an aphanitic matrix. 3-5% very fine leucoxene present.</p> <p>Core Angle: 50° to CA at 93.0m foliation.</p>	<p>64.86-76.14M: moderate to strongly developed pervasive carbonitization (calcite). This alteration imparts a light yellow-beige colour to core. Alteration gradually decreases in strength down the hole, and is virtually absent below 83m.</p>	<p>117.2-117.87M: Trace to 1% disseminated and patchy pyrite is hosted by what appears to be a silicified section.</p>	
<p>112.40-200.00 ULTRAMAFIC VOLCANICS</p>	<p>Colour black to dark green, very soft, weakly to moderately magnetic, non-calcareous. Moderately to well developed foliated, very fine grained texture. Abundant quartz-(ankerite?) veining/stockwork at all orientations to CA. Quartz veining abundance 5-7% overall, but can reach 10-15% locally.</p> <p>114.35-114.60M: narrow zone of fault gouge.</p>	<p>113.0-117.2M: ser-pentinized interval. Moderate to strong alteration imparts whitish colour to the core. Some quartz veining is mixed into this interval.</p>		

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Sheet No. 4 Of 4
 Project No. 107
 Hole No. SYLVANITE
 Property SYLVANITE

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
200.00	<p>Core Angle: 45° to CA at 117.0m. Foliation.</p> <p>Core Angle: 50° to CA at 135.0m. Foliation.</p> <p>122.06-129.66m: section contains fresh, perhaps weakly pillowed mafic volcanics 1-3½ quartz veinlets contain calcite as the carbonate species.</p> <p>Ultramafics gradually become less magnetic down the hole, being non-magnetic below roughly 150m.</p> <p>Core Angle: 60° to CA at 144.2 m. Foliation</p> <p>157.20-165.90m: Gabbro dike. Colour dark green, non-magnetic, moderately soft. Massive to weakly foliated texture. Trace quartz-calcite veinlets, 1-3½ disseminated leucoxene observed in lower half of interval.</p> <p>Core Angle: 65° to CA at 166.0m. Foliation.</p> <p>Core Angle: 65° to CA at 186.5m. Foliation.</p> <p>Ultramafics take on a very black colour below 193m, roughly concurrent with a decrease in ankerite alteration.</p> <p>End of Hole.</p>	<p>128.66-157.20m: weak to moderately well developed, pervasive, disseminated ankerite enrichment. Ankerite occurs as small spots and patches diss. through the interval.</p> <p>165.90-167.0m: mod. well sericitized section contains 7-10% quartz veining and 1-3½ diss. very fine grained pyrite.</p> <p>167.00-200m: weak pervasive ankerite alteration present, similar to that above 157.20m.</p> <p>178.45-180.12m: mod. well developed sericite-fuchsite-carb. alteration contains trace -1½ diss. pyrite.</p>		

LATITUDE 41+30S

DEPARTURE 16+30W

ELEVATION SURFACE

DIP AT COLLAR -45° BEARING As. 210°

TOTAL DEPTH 212.00m CORE SIZE BQ

CORE STORAGE Aunor Mineite - Timmins

REMARKS Log completed Nov 28, 1992

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Test Depth	Dip	Magnetic Bearing	Corrected Bearing
60m	-44°		
120m	-44°		
180m	-43°		

Project No. 107 Hole No. SVT-92-3 Sheet No. 1 OF 3

Property Sylvaite

NTS. A1 0/15 TWP. Danyes Claim No. P994542

Date started NOV. 25, 1992 completed NOV. 27, 1992

Contractor Bradley Bros. - Timmins

Logged by R. Prasad *R. Prasad*

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
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<p>0-4</p> <p>4-38.00 ALTERED POLYMICRITIC CONGLOMERATE</p>	<p>Casing. Casing removed on termination of hole.</p> <p>Colour variable from medium green to beige to pinkish-red depending on alteration style and intensity, moderately hard, non-magnetic, non-calcareous. Very weakly foliated, fragmental texture containing variably sized, rounded clasts are heterolithic in composition with at least 3 rock types being identified in the clasts. Clasts are clast-supported for the most part, but some sections of mostly matrix and fine clasts are present. 3-5% quartz-ankerite veinlets are at all angles to CA; those that parallel CA are generally folded in a ptygmatic fashion.</p> <p>Core Angle: 65° to CA at 21.0m. Bedding. Clast abundance gradually decreases down the hole. Lower contact chosen subjectivity.</p>	<p>4-23m: weak to mod. well developed sericite alteration imparts a beige colour to the core. 23-27m: mod. to strong hematite alteration turns the core a pink-red colour, hematization seems to affect the clasts preferentially. 27-32m: weak pervasive hematization, with moderate sericite alteration.</p>	<p>Trace to 1% very fine disc. pyrite observed in the 11-18m section.</p>	
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NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Project No. 107 Sheet No. 2 Of 3
 Property SYLVANITE Hole No. SYL-92-3

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
38.00-173.70 QUARTZITE/ GNEYSACKS	<p>Colour variable from medium grey-green, through pinkish-red to beige depending on alteration, moderately hard, non-magnetic, non-calcareous. Massive to very weakly foliated, very fine grained granular texture. 3-5% quartz-ankerite veinlets. Occasional conglomerate clast and short sections are present (eg. 46-437m, 69.5m)</p> <p>10cm wide quartz-tourmaline vein present at 59.00m. Conglomerate clast abundance gradually increases down the hole, becoming 5-7% in overall abundance.</p> <p>131.16-132.38m: Gabbroic dike. Colour medium green, moderately soft, non-magnetic. Massive to weakly developed foliated and porphyritic texture. Trace quartz-ankerite veinlets.</p> <p>143-164m: Conglomerate-rich section. Clast abundance is up to 25-30% locally, and clasts reach 7-10cm in size, all supported in a medium grey matrix. Weak to moderate pervasive hematization throughout, but seems to prefer the clasts over matrix. Trace quartz-ankerite veinlets.</p>	<p>38-44m: strong pervasive, sericite alteration with minor hematization. 55-74m: moderate to strong, pervasive sericitization. 74-87m: weak to moderate hematization with weak sericitization.</p>		

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Project No. 107 Sheet No. 3 OF 3
 Property SYLVANITE Hole No. SYL-92-3

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
<p>173.70-212 INTERBEDDED GREYWACKES & GRAPHITIC ARGILLITE</p>	<p>164-173.70m: Host quartzite becomes a light beige in colour and shows a weakly developed foliation, possibly indicating a weak sericitization. Well developed granular texture throughout. Rare diss. pyrite.</p> <p>Core Angle: 40° to CA at 168.5m. Foliation.</p> <p>Colour variable from medium gray to black, moderately soft, non-magnetic, non-calcareous. Well developed bedded texture with some short 10-20cm sections exhibiting a fragmental and/or cross-bedded texture. Greywackes are volumetrically dominant above roughly 182m, graphitic argillites are more abundant below. Rare quartz-rich veinlets.</p> <p>Narrow bed of quartzite present in the 178.67-179.91m section.</p> <p>Core Angle: 50° to CA at 170.0m bedding. Core Angle: 60° to CA at 183.5m bedding. Core Angle: 45° to CA at 193.5m bedding. Core Angle: 55° to CA at 206.2m bedding.</p> <p>End of Hole.</p>		<p>Trace to 1% pyrite observed in the 180-183m interval. Pyrite occurs as thin, mm-scale beds and small patches to 5mm in size. 197-210m: Trace 1% pyrite nodules and thin bed.</p>	
<p>212.00</p>				

LATITUDE 22+758

DEPARTURE 44+00M

ELEVATION SURFACE

DIP AT COLLAR -45° BEARING AS. 210°

TOTAL DEPTH 200.00 CONE SIZE BQ

CORE STORAGE Aunor Minesite - Timmins

REMARKS Log completed Nov 30, 1992

NORANDA EXPLORATION COMPANY LIMITED

DIAMOND DRILL CORE LOG

Project No. 107 Hole No. SYL-92-4 Sheet No. 1 OF 5

Property Sylvania P960497

NTS. 410/15 TWP. Denyer Claim No. P260502

Date started NOV. 27, 1992 completed NOV. 29, 1992

Contractor Bradley Bros. - Timmins

Logged by R. Prassacco

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
<p>0-4</p> <p>4-14.95 SHAWND, SERICITIZED BASALT (?)</p> <p>14.95-80.00 BASALT</p>	<p>Casing. Casing removed on termination of hole.</p> <p>Colour medium yellow-grey, moderately hard, non-magnetic, weakly calcareous. Moderate sheared/foliated texture. Very fine grained overall, but some short sections are weakly fragmental. 1-3½ quartz-calcite veinlets.</p> <p>Core Angle: 55° to CA at 13.0m. Shearing.</p>	<p>Weak, pervasive calcite enrichment of groundmass. Yellowish colour suggests weak-moderate sericitization. Gradational lower contact suggests that this is an altered basalt.</p>	<p>Trace -1½ very fine disseminated pyrite.</p>	<p>20cm section of 10-15% patchy pyrite present at 27.0m. Pyrite is associated with minor quartz veining and weak sericitization.</p>
<p>Colour medium to dark green, moderately hard, non-magnetic, moderately calcareous. Moderate to weakly developed foliation, very fine grained granular texture. Some possible weakly developed pillow breccia and pillow selvages observed in the 14.95-27m interval. 3-5½ thin quartz-calcite veinlets are at all angles to CA.</p> <p>Core Angle: 60° to CA at 17.0m. Foliation.</p> <p>1-3½ disseminated fine grained leucoxene observed in the 27.5-31m section.</p>				

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Project No. 107 Sheet No. 2 OF 5
 Property SYLVANITE Hole No. SYL-92-4

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
	<p>43.60-50.0m: Moderately weak well sericitized interval. The core gradually becomes more and more yellow-green in colour through 43.60m.</p> <p>Abundant very fine hairlike fractures stockwork accompany this sericitization. These fractures are less than 1mm in width and can contain either quartz or chlorite. Some quartz veins to 5cm wide are present, and these carry 3-5(-7%) disseminated anhedral, medium grained pyrite. The strength of alteration is somewhat stronger in the vicinity of these larger quartz veinlets.</p> <p>Core Angle: 55° to CA at 40.0m. Foliation.</p> <p>The abundance of the hairlike fractures described above decreases to nil below roughly 52.5m. Sericitization strength remains approximately constant at moderate down to approximately 72m. Weakly developed, fine network of irregular quartz veinlets/stockwork is present with this sericitization.</p> <p>Core Angle: 55° to CA at 60m. Foliation.</p> <p>A 50cm wide interval of quartz-calcite veining and narrow fault gouge is present at 72.20m. Rare amount of a brown biotite mica present in this vein. The gouge zones are less than 10cm wide and are approximately 10° to CA.</p>		<p>Minor diss. py.</p>	

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Project No. 107 Sheet No. 5 Of 5
 Property SYLVANITE Hole No. SYL-92-4

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
<p>80.00-175.50 PILLOWED BASALT AND MASSIVE MEDIUM GRAINED BASALT</p>	<p>73-77m: Moderately well foliated, leucoxene-bearing interval. 5-7ϕ fine grained dias. leucoxene are hosted within moderately foliated, weakly sericitized basalt. Minor quartz veining and patches.</p> <p>Core Angle: 55° to CA at 74m. Foliation.</p> <p>Lower contact is chosen subjectively as the first appearance of recognizable pillow structures.</p> <p>Colour light green-grey, moderately hard non-magnetic, weakly to moderately calcareous. weakly developed pillowed texture can be easily observed, with narrow hyaloclastic sections spaced on the order of 10cm-1m apart. This interval may possibly be a mixture of pillows and pillow breccia, as some textures are clearly brecciform. Trace -1ϕ quartz-calcite veinlets are at all angles to CA, gradually decreasing in abundance down-hole from 80m.</p> <p>104.10-105.26m: Diabase dike. Colour black, moderately magnetic, fine grained crystalline texture. Lower contact at 45° to CA.</p> <p>The main unit gradually becomes less well pillowed and more massive down hole, through roughly 137-143m. Below 143m the basalt becomes more massive and coarser grained to roughly 153m, becoming fine grained massive to 175.50m. Last 3m of section (172.5-175.5) appears to be weakly sericitized.</p>			

NORANDA EXPLORATION COMPANY LIMITED DIAMOND DRILL CORE LOG

Sheet No. 4 Of 5
 Project No. 107 SYLVANITE
 Hole No. _____
 Property _____

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
<p>175.50-183.19 MIXED GRAPHITIC ARGILLITE AND GREYWACKE</p>	<p>130.70-134.65m: section of darker coloured pillow basalt/pillow breccia. Colour medium to dark grey, very hard, non-magnetic. This colour change probably due to weak-moderate silicification. 1-3% quartz-calcite veinlets. Moderate, pervasive calcite enrichment throughout the groundmass of the unit.</p> <p>Trace -1% disseminated anhedral fine to medium grained pyrite.</p> <p>Gradational upper and lower contacts.</p> <p>A 50cm interval of blocky, broken core is present starting at 173.9m.</p> <p>The overall sequence of this unit, pillow basalt, massive coarse center, fine grained lower contact, suggests that stratigraphic tops are towards the top of the hole (north).</p> <p>Colour black to very dark grey, moderately soft, non-magnetic, moderate pervasive calcite enrichment of matrix. Moderately well developed foliated texture, bedding evidence is indistinct at best. 1-3% quartz-calcite veinlets at the top of the section give way to mixed quartz-calcite/ankerite veinlets within 3m of lower contact.</p> <p>Core Angle: 70° to CA at 177m. Foliation.</p>		<p>1-3% pyrite occurs as disseminated, fine grained to very fine grained anhedral crystals 175.5-177.5m and as rare beds (?) and foliation-parallel patches. 177.5-183.19m.</p>	<p>Unit likely the cause of strong IP anomaly.</p>

P994545

P994546

0 ← Az 210°

SYL92-1

-45°

Basalt, massive, etc. other alt'n. to lacustrine

Ultramafic Volcanic, med. and alt'n. str. fol'n

Altered Basalt, med. coarse alt'n. J-BK disc py

Basalt, massive, etc. coarse alt'n

Polymictic Conglomerate, str. and coarse alt'n

Basalt, massive to silty fol'd

967.53 ft. SYL92-1

-400

-400

-600

-600



REVISED	SYLVANITE LAKE DDH SYL 92-1 SECTION 2400E	
	PROJECT:	
	SURVEYED BY:	DATE: FEB 2, 1992
	DRAWN BY:	SCALE: 1:1500
	NORANDA EXPLORATION CO. LTD.	
	OFFICE:	Thunder Bay, ONTARIO

2600S

2400S

2400S

2600S

2200S

2000S

1800S

1600S

P994546

0 ← Az 210°

SYL92-2

-45°

Casing

Gabbro-Diorite, sheared

Lapilli Fragmental, int. volcanic, med fol'd

Basalt, massive to pillow bx, med calcite ckt's

Ultramafic Volcanic, med fol'd, obs't qtz-ank veins

-200

-200

-400

-400

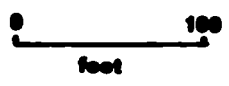
-600

-600

895.17 ft.
SYL92-2

1800S

1600S



REVISED	SYLVANITE LAKE	
	DDH SYL 92-2	
	SECTION 3200E	
	PROJECT:	
PROJ. NO. 897	SURVEYED BY: _____	DATE: FEB 3 1966
N.T.S.	DRAWN BY: _____	SCALE: 1:1250
DWG. NO.	NORANDA EXPLORATION CO. LTD.	
	OFFICE: Timmins, ONTARIO	

2200S

2000S

4500S

4400S

4200S

4000S

P994542

0 ← Az 210°

SYL92-3

0

-45°

Casing

Polynetic Conglomerate, med car-bon sil't'n, tr py

-200

-200

Quartzite/Graywacke, med car-bon sil't'n

-400

-400

Graywacke/Graphitic Argillite, interbedded

-600

-600

685.54 ft.
SYL92-3

4200S

4000S

REVISED

SYLVANITE LAKE
DDH SYL 92-3
SECTION 1630W

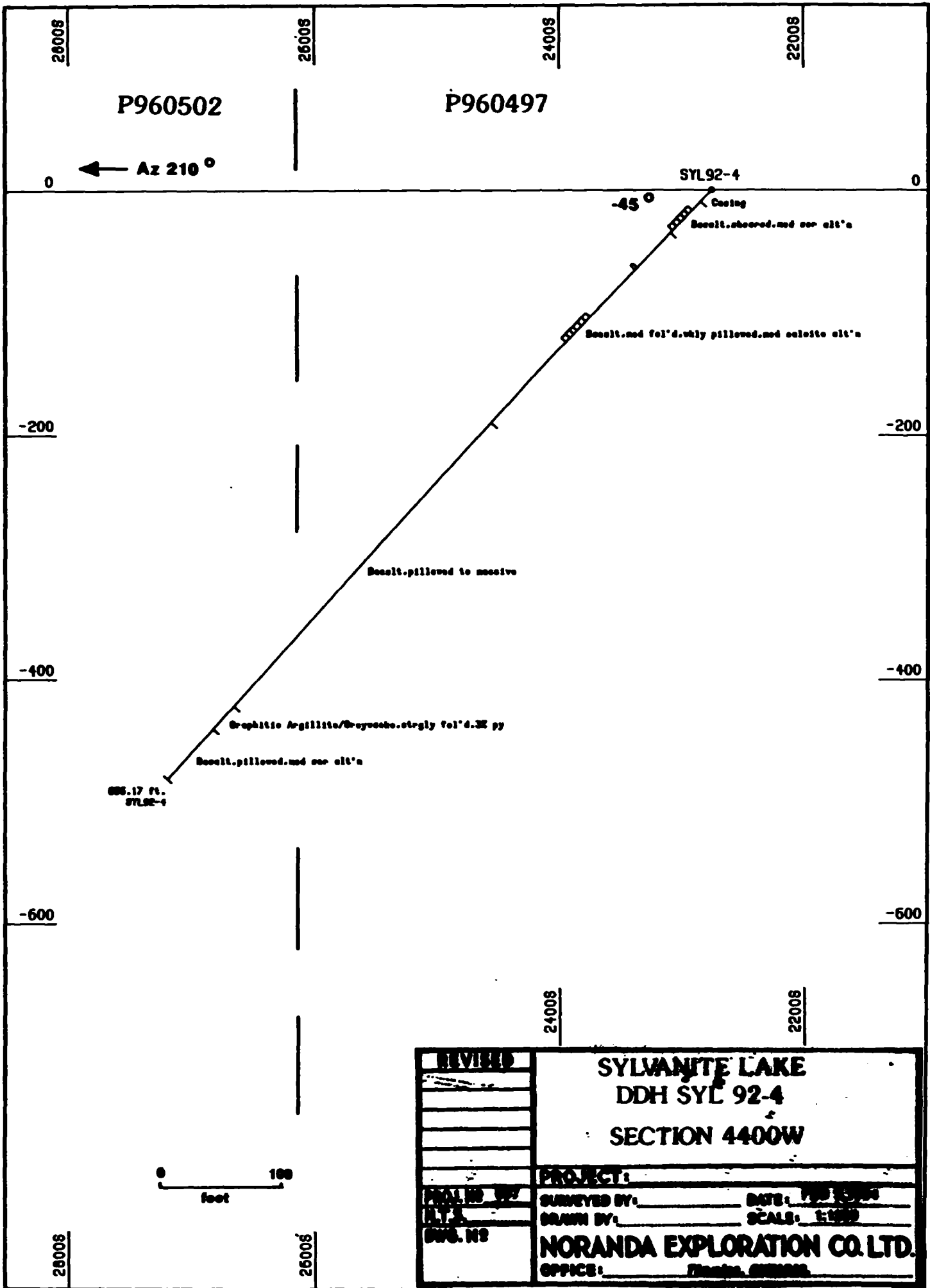
0 100
feet

PROJECT: _____
SURVEYED BY: _____ DATE: FEB 3, 1984
DRAWN BY: _____ SCALE: 1:1250
NORANDA EXPLORATION CO. LTD.
OFFICE: Timmins, ONTARIO

PROJ. NO. 697
N.T.S.
DWS. NS

4500S

4400S



P960502

P960497

← Az 210°

SYL92-4

-45°

Coaling
Basalt, sheared, med cor alt'n

Basalt, med fol'd, whly pillowed, med calcite alt'n

Basalt, pillowed to massive

Graphitic Argillite/Argonaceous, strongly fol'd, SE py

Basalt, pillowed, med cor alt'n

606.17 ft.
SYL92-4



REVISION _____ _____ _____ _____ _____	SYLVANITE LAKE DDH SYL 92-4 SECTION 4400W	
	PROJECT: _____	
	SURVEYED BY: _____	DATE: Feb 1994
	DRAWN BY: _____	SCALE: 1:1000
	NORANDA EXPLORATION CO. LTD. OFFICE: _____	

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number
W9460.00096

AFRI

Personal information collected on this form is obtained under the authority of the this collection should be directed to the Provincial Manager, Mining Lands, MI Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.



900

- Instructions:**
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
 - A separate copy of this form must be completed for each Work Group.
 - Technical reports and maps must accompany this form in duplicate.
 - A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded Holder(s) Hemlo Gold Mines Inc.	Client No. 143550
Address c/o Po Box 1205 Timmins Ont P4N 7J5	Telephone No. (705) 268-9600
Mining Division Porcupine	Township/Area Denyes
M or G Plan No. M-758	
Dates Work Performed From: November 15, 1992 To: December 23, 1992	

Work Performed (Check One Work Group Only)

Work Group	Type
Geotechnical Survey	
Physical Work, including Drilling	Diamond Drilling. DPH SYL 92-1, 2, 3, 4, 93-5, 6, 7 1502.9 metres
Rehabilitation	
Other Authorized Work	
Assays	
Assignment from Reserve	

RECORDED
APR 28 1994
 Receipt _____

Total Assessment Work Claimed on the Attached Statement of Costs \$ **106,357.00**

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
Bredley Bros. Limited (1992 Drilling)	Po Box 485 Timmins Ont P4N 7E7
NOS Drilling (1993 Drilling)	Po Box 2180 Timmins Ont P4N 7X8

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date Feb 8/94	Recorded Holder or Agent (Signature) <i>[Signature]</i>
--	-------------------------	--

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying Roger Dahn c/o Po Box 1205 Timmins Ont P4N 7J5		
Telephone No. (705) 268-9600	Date Feb 8 1994	Certified By (Signature) <i>[Signature]</i>

For Office Use Only

Total Value Cr. Recorded \$ 106,357.00	Date Recorded April 28/94	Mining Recorder <i>[Signature]</i>	RECEIVED (c) APR 28 1994 TB 3:50 PORCUPINE MINING DIVISION
	Deemed Approval Date July 27/94	Date Approved JULY 27/94	
	Date Notice for Amendments Sent		



Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des mines

**Statement of Costs
for Assessment Credit**

**État des coûts aux fins
du crédit d'évaluation**

Mining Act/Loi sur les mines

Transaction No./N° de transaction

W9460.00096

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4^e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	21,854.00	
	Field Supervision Supervision sur le terrain		21,854.00
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type Diamond Drilling	81,688.00	
			81,688.00
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
Total Direct Costs Total des coûts directs			103,542.00

2. Indirect Costs/Coûts indirects

** Note: When claiming Rehabilitation work indirect costs are not allowable as assessment work. Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type Rental Trucks & Gas	1760.00	
			1760.00
	Camp Costs		1055.00
Sub Total of Indirect Costs Total partiel des coûts indirects			2815.00
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			20,708.40
Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs)			106,250.40

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
	x 0.50 =

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Value totale du crédit d'évaluation	Montant total demandé
	x 0,50

Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as _____ I am authorized
(Recorded Holder, Agent, Position in Company)

to make this certification

Attestation de l'état des coûts

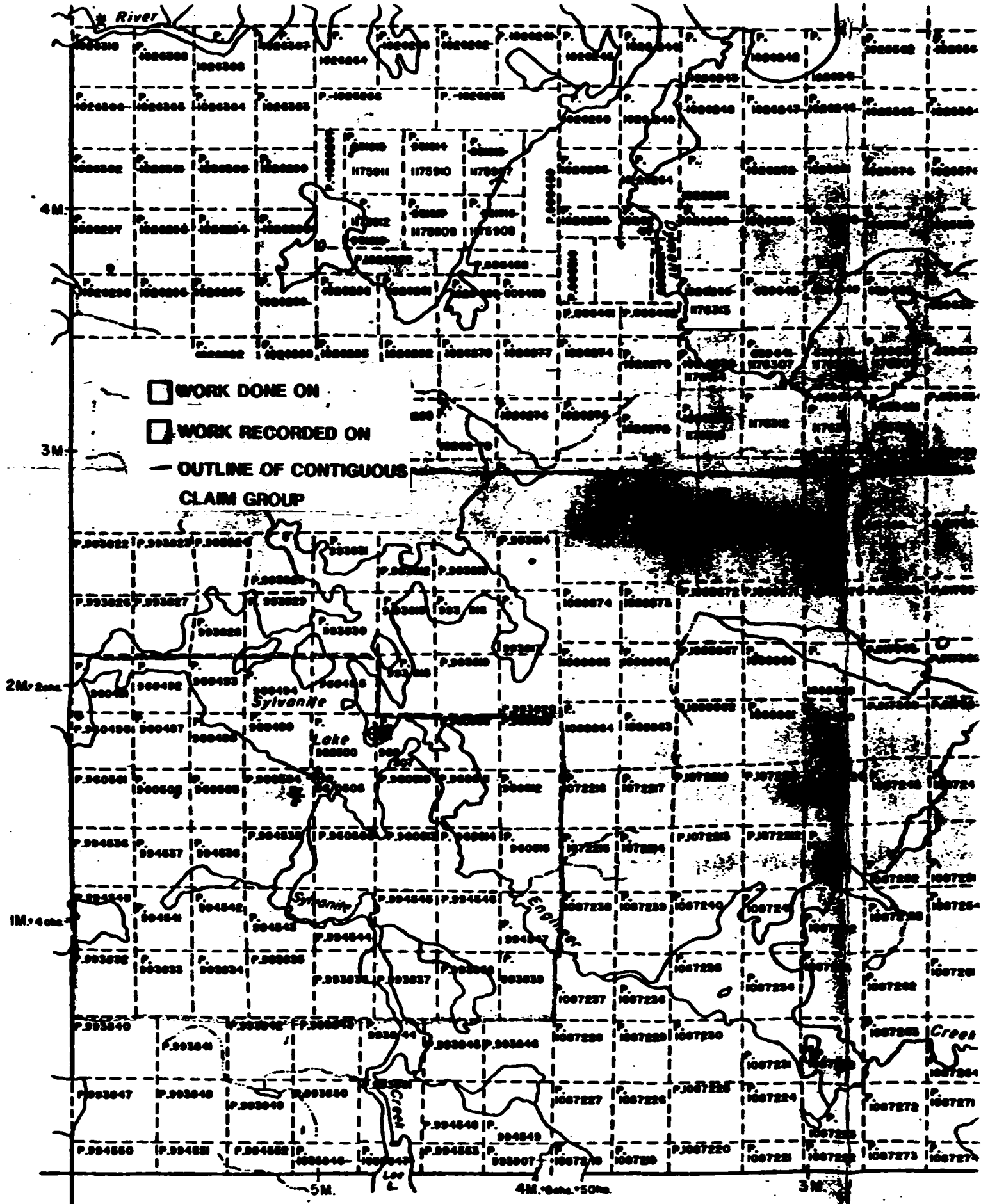
J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de _____ je suis autorisé
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature	Date
	Feb 9/94

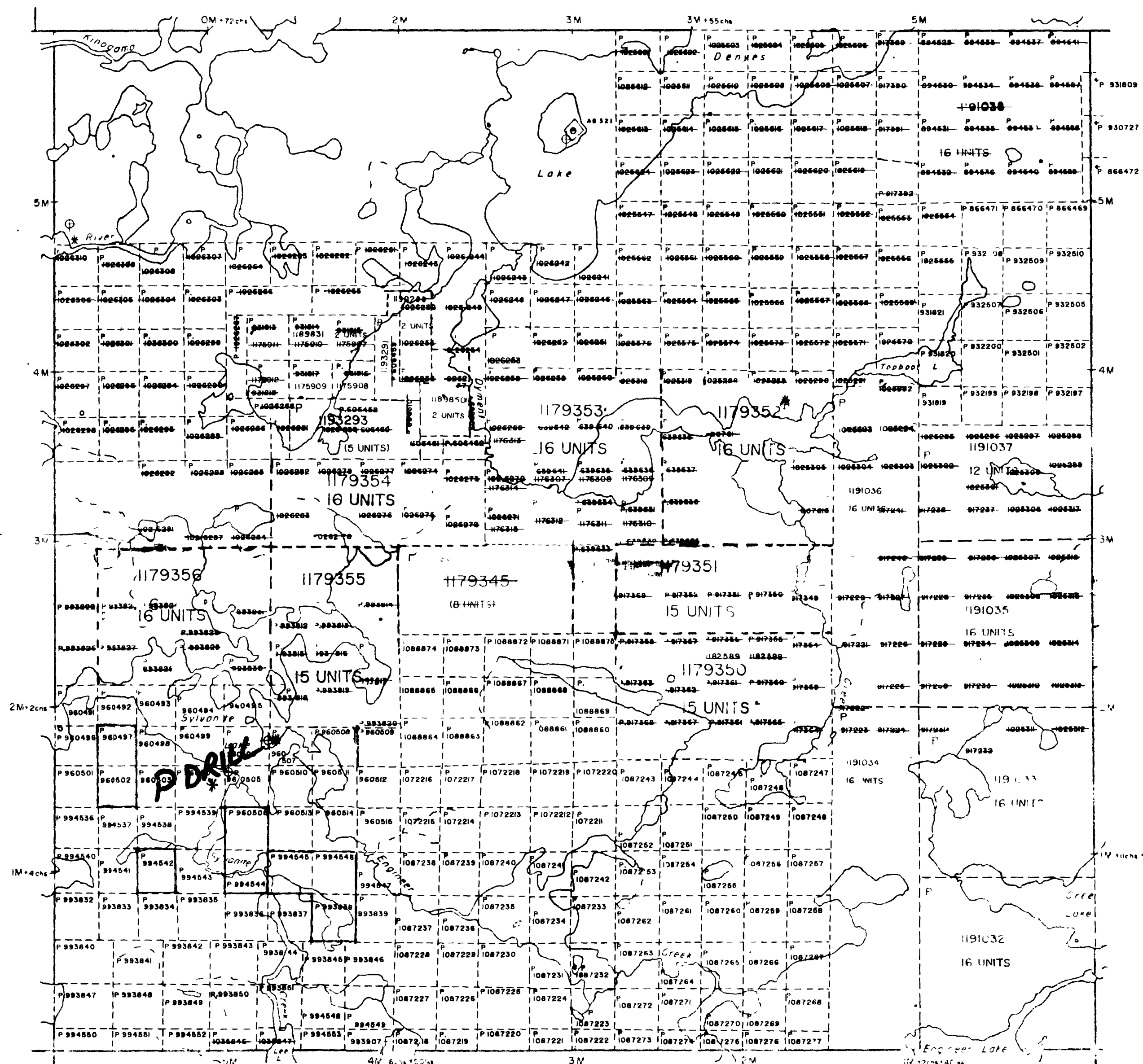
Halcrow Twp. - M.906



Greenlaw Twp - M.895

W9460.00096

Raney Twp. - M.1069



Halcrow Twp. - M.906

Swayze Twp. - M.150

Greenlaw Twp. - M.895

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

THE TOWNSHIP OF

DENYES

DISTRICT OF SUDBURY

PORCUPINE MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

PATENTED LAND	Ⓟ
CROWN LAND SALE	C.S.
LEASES	Ⓞ
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	—
IMPROVED ROADS	—
KING'S HIGHWAYS	—
RAILWAYS	—
POWER LINES	—
MARSH OR MUSKEG	—
MINES	X
CANCELLED	C
PATENTED FOR S.R.O.	Ⓟ

NOTES

400' surface rights reserved on along the shores of all lakes and rivers.

- * LUP
- Ⓟ REMOTE TOURIST CAMPS

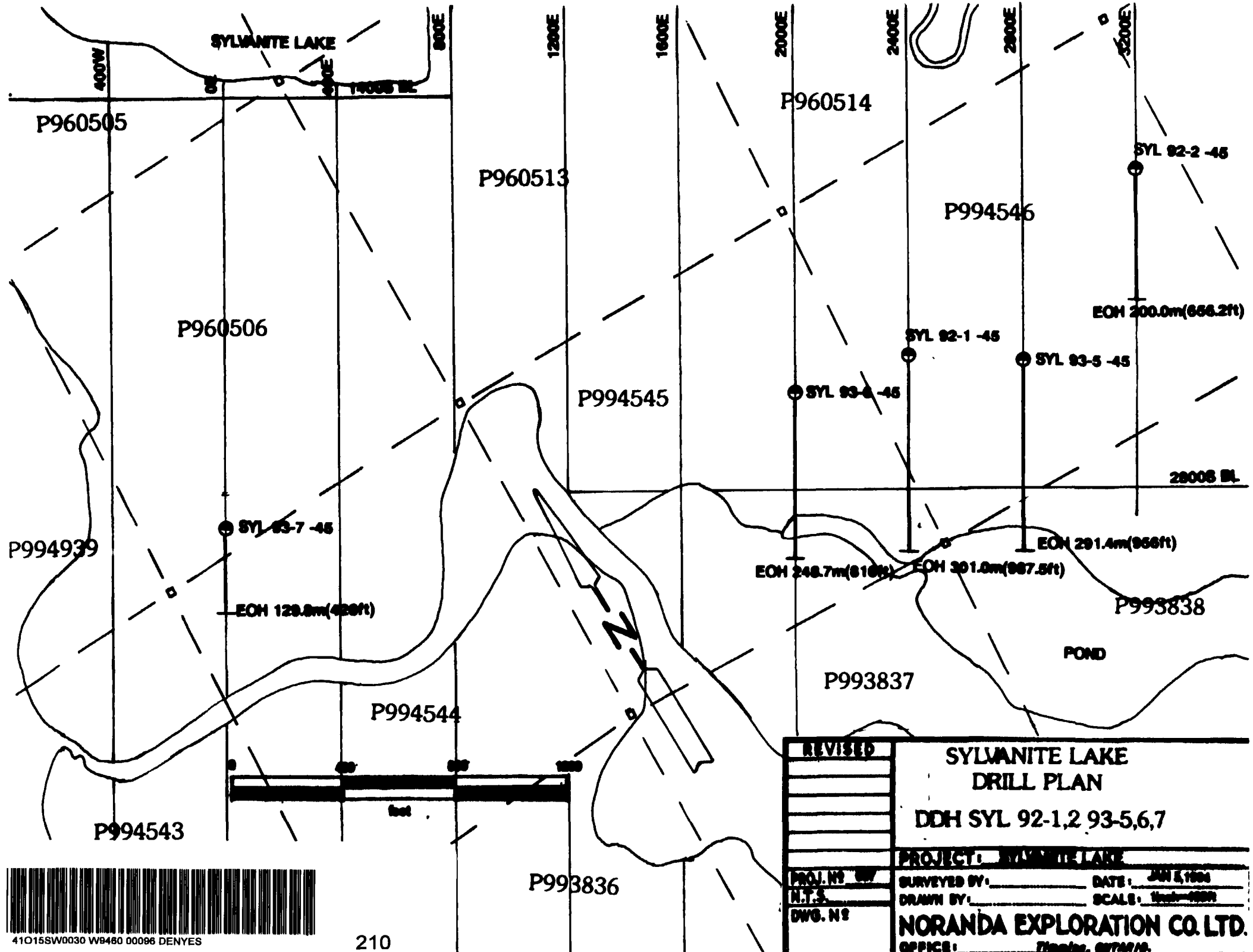
REVISED SERVICE OCT 31/89 CHECKED BY R. BAILEY

PLAN NO. G-1107¹⁸

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

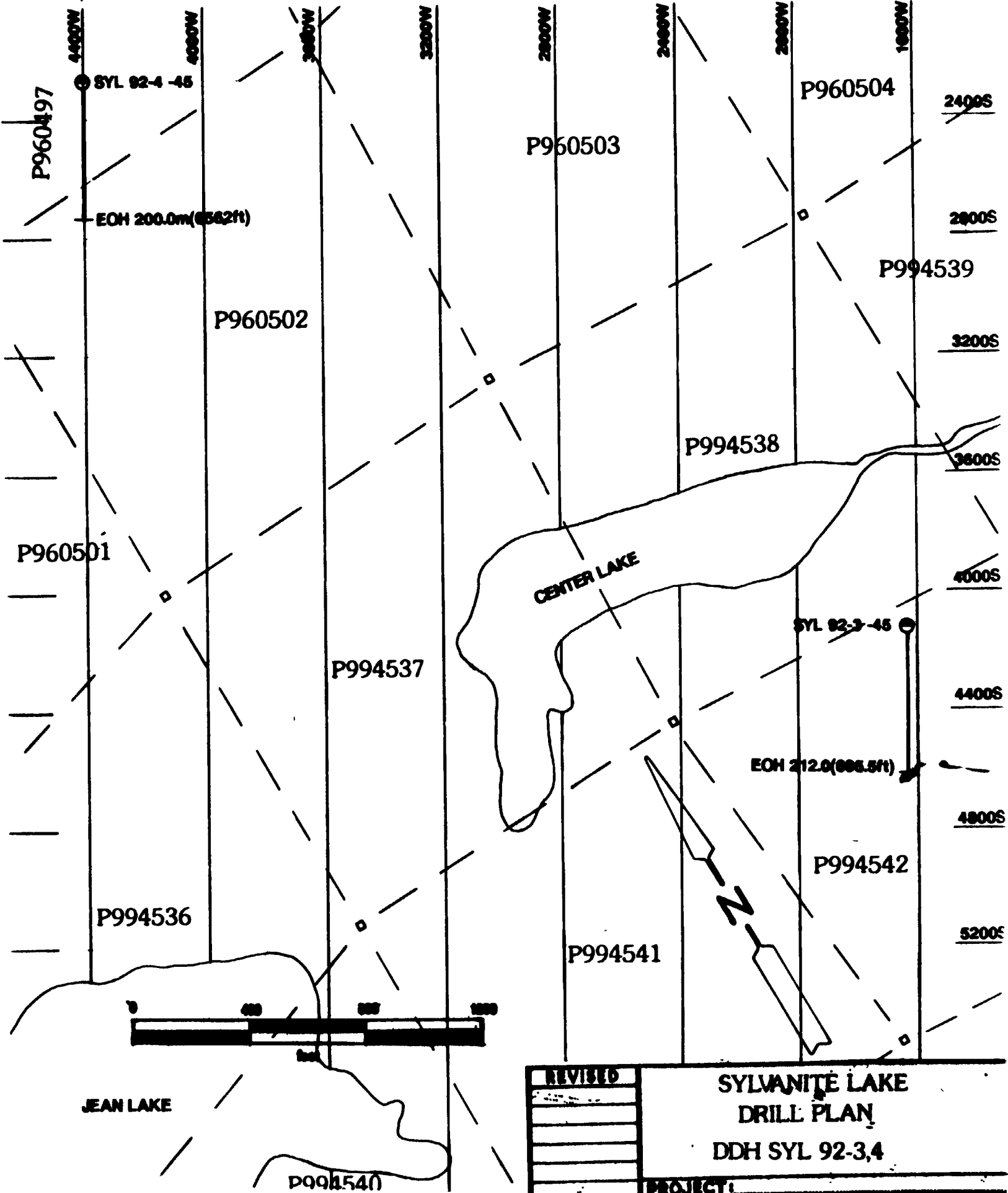


41015W0030 W9460 00096 DENYES



210

REVISED	SYLVANITE LAKE DRILL PLAN	
	DDH SYL 92-1,2 93-5,6,7	
	PROJECT: SYLVANITE LAKE	
PROJ. NO. 997	SURVEYED BY: _____	DATE: JUN 8, 1994
N.T.S.	DRAWN BY: _____	SCALE: 1 inch = 400 ft
DWG. NO.	NORANDA EXPLORATION CO. LTD.	
	OFFICE: Thunder Bay, ONTARIO	



41015SW0030 W9460 00096 DENYES

REVISED	SYLVANITE LAKE DRILL PLAN DDH SYL 92-3,4	
PROJECT:		
PROJ. NO. 07	SURVEYED BY: _____	DATE: 2/15/04
N.T.S.	DRAWN BY: _____	SCALE: 1:50,000
DWG. NO	NORANDA EXPLORATION CO. LTD	
	OFFICE: _____	Tromsø, NTNOR.