



010

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

ALTITUDE L3+30E

DEPARTURE 0+60N

ELEVATION est. -5m

DIP AT COLLAR -90° BEARING N.A.

TOTAL DEPTH 181.7m CORE SIZE BQ

CORE STORAGE Nick Gaspick Property

REMARKS Casing left in hole and capped.

Sheet No. 1 OF 4

Project No. 1346 Hole No. B93-2

Property Buller Lake

NTS. 31 D/15 TWP. Lutterworth Claim No. Winkelaar Patent

Date started Dec. 14, 1993 completed Dec. 16, 1993

Contractor Longyear Canada Inc.

Logged by L.A. Tihor

L.A. Tihor

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
0.0-1.1 DIOPSIDE DOLomite	Coarse grained white diopside dolomite marble with minor diss. phlogopite			
1.1-5.3 PURE DOLomite	White coarse grained dolomite marble with minor amounts diopside.			
5.3-11.6 DIOPSIDE DOLomite	As at 0-1.1 with minor sections pure dolomite and minor calcite with diopside.			
11.6-19.5 PURE DOLomite	As at 1.1-5.3			
19.5-24.9 DIOPSIDE DOLomite	As at 5.3-11.6 but with minor amounts pink carbonate rhodocrosite in top few meters. Narrow section pure dolomite 23.75-24.6.			
24.9-41.9 QUARTZ DIOPSIDE	Heterogenous very fine to coarse grained quartz diopside rock. White to light grey green colour.		trace hematite locally eg. at 24.9.	

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Project No. 1346 Sheet No. 2 OF 4
 Property Buller Lake Hole No. B93-2

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
41.9-47.2 DIOPSIDE DOLOMITE	As at 19.5-24.9			
47.2-57.5 IMPURE DOLOMITE (serpentinous)	As at 11.6-19.5 but with more frequent sections of diopside. Also frequent bands of clots of yellow to med. green serpentine (p) with minor calcite.			
57.5-61.1 DIOPSIDE DOLOMITE	52.95-53.35: biotite hornblende gneiss, (meta mafic dyke)			
61.1-62.5 PURE DOLOMITE	Includes pure massive diopside at 64.9-65.6m and minor quartz at 68.6-68.9.			
62.5-68.9 DIOPSIDE DOLOMITE	White coarsely crystalline dolomite with minor local diss. hematite, tremolite +/- chlorite and minor clots of serpentine.			
68.9-87.6 PURE DOLOMITE	87.6-89.2: diopside dolomite			
87.6-94.9 BANDIED MIXED DIOPSIDE PHLOGOPITE DOLOMITE	89.2-92.1: patchy phlogopite in diopside dolomite			
	90.4-90.65: veinlets fluorite up to 2cm wide			
	91.3-92.1: clouds of K-feldspar alteration			

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Project No. 1346 Sheet No. 3 OF 4
 Hole No. _____
 Property Buller Lake

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
94.9-98.6 SERPENTINE DOLOMITE				
98.6-102.4 DIOPSIDE DOLOMITE	Contains minor phlogopite near bottom			
102.4-107.9 BANDED PHLOGOPITE DIOPSIDE DOLOMITE	As at 87.6-94.9. Includes abundant patches of pink K-feldspar alteration.			
107.9-111.4 QUARTZ- DIOPSIDE SERICITE FAULT ZONE	109.9-110.1: 70% quartz, 30% diopside 110.1-110.5: fault gouge consisting of nearly 100% very fine, silvery muscovite			
111.4-114.0 DIOPSIDE SERPENTINE				
114.0-117.6 BANDED PHLOGOPITE DOLOMITE	As at 102.4-107.9 but less K-feldspar			

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Sheet No. 4 OF 4
 Project No. 1346
 Hole No. B93-2
 Property Buller Lake

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
117.6-129.9 SERPENTINE DOLOMITE	Locally massive serpentine			
129.9-149.9 DIOPSIDE TREMOLITE DOLOMITE	132.9-133.4: granitic pegmatite dyke 133.6-134.3: breccia zone with pale coloured fluorite(?), K-feldspar 135.1-135.3: near massive phlogopite 135.5-135.7: abundant K-feldspar			
149.9-169.0 PHLOGOPITE FE-BIOTITE DOLOMITE	Finely banded phlogopite dolomite locally biotitic. Local brownish colouration may be due to sphalerite. Locally rich in po-py.		158.8-159.5m near massive po-py 152-153.5m possible very fine bands sph 162-163m possible minor sph. 169.3-169.4m near massive po.	
169.0-181.7 CALCITIC MARBLE	Gradational from above unit. Locally rusty.			
181.7	End Of Hole			

LATITUDE L3+30E

NORANDA EXPLORATION COMPANY LIMITED

Sheet No. 1 OF 4

DEPARTURE 0+60N

DIAMOND DRILL CORE LOG

Project No. 1346

Hole No. B93-2

ELEVATION est. -5m

Test Depth	Dip	Magnetic Bearing	Corrected Bearing

Property Buller Lake

NTS 31 D/15 TWP Lutterworth Claim No. Winkeljaar Patent

DIP AT COLLAR -90° BEARING N.A.

Date started Dec. 14, 1993 completed Dec. 16, 1993

TOTAL DEPTH 181.7m CORE SIZE BQ

Contractor Longyear Canada Inc.

CORE STORAGE Nick Gaspick Property

Logged by L.A. Tihor



REMARKS Casing left in hole and capped.

Log completed Dec 17, 1993

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
0.0-1.1 DIOPSIDE DOLOMITE	Coarse grained white diopside dolomite marble with minor diss. phlogopite			
1.1-5.3 PURE DOLOMITE	White coarse grained dolomite marble with minor amounts diopside.			
5.3-11.6 DIOPSIDE DOLOMITE	As at 0-1.1 with minor sections pure dolomite and minor calcite with diopside.			
11.6-19.5 PURE DOLOMITE	As at 1.1-5.3			
19.5-24.9 DIOPSIDE DOLOMITE	As at 5.3-11.6 but with minor amounts pink carbonate rhodocrosite in top few meters. Narrow section pure dolomite 23.75-24.6.			
24.9-41.9 QUARTZ DIOPSIDE	Heterogenous very fine to coarse grained quartz diopside rock. White to light grey green colour.		trace hematite locally eg. at 24.9.	

NORANDA EXPLORATION COMPANY LIMITED DIAMOND DRILL CORE LOG

Sheet No. 2 OF 4
 Project No. 1346
 Property Buller Lake
 Hole No. _____
 Mineralization _____

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
41.9-47.2 DIOPSID DOLOMITE	As at 19.5-24.9			
47.2-57.5 IMPURE DOLOMITE (serpentinous)	As at 11.6-19.5 but with more frequent sections of diopside. Also frequent bands of clots of yellow to med. green serpentine(?) with minor calcite.			
57.5-61.1 DIOPSID DOLOMITE	52.95-53.35: biotite hornblende gneiss, (meta mafic dyke)			
61.1-62.5 PURE DOLOMITE	Includes pure massive diopside at 64.9-65.6m and minor quartz at 68.6-68.9.			
62.5-68.9 DIOPSID DOLOMITE	White coarsely crystalline dolomite with minor local diss. hematite, tremolite +/- chlorite and minor clots of serpentine.		74.7-75.3m 1-2% Zn as diss. sph. 76.1-76.25m 6-8% Zn trace hematite	
68.9-87.6 PURE DOLOMITE	87.6-89.2: diopside dolomite			
87.6-94.9 BANDED MIXED DIOPSID PHLOGOPITE DOLOMITE	89.2-92.1: patchy phlogopite in diopside dolomite 90.4-90.65: veinlets fluorite up to 2cm wide 91.3-92.1: clouds of K-feldspar alteration			

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Project No. 1346 Sheet No. 3 OF 4
 Property Buller Lake Hole No. B93-2

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
94.9-98.6 SERPENTINE DOLOMITE				
98.6-102.4 DIOPSIDE DOLOMITE	Contains minor phlogopite near bottom			
102.4-107.9 BANDED PHLOGOPITE DIOPSIDE DOLOMITE	As at 87.6-94.9. Includes abundant patches of pink K-feldspar alteration.			
107.9-111.4 QUARTZ- DIOPSIDE SERICITE FAULT ZONE	109.9-110.1: 70% quartz, 30% diopside 110.1-110.5: fault gouge consisting of nearly 100% very fine, silvery muscovite			
111.4-114.0 DIOPSIDE SERPENTINE 114.0-117.6 BANDED PHLOGOPITE DOLOMITE	As at 102.4-107.9 but less K-feldspar			

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Project No. 1346 Sheet No. 4 OF 4
 Property Buller Lake Hole No. B93-2

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
117.6-129.9 SERPENTINE DOLomite	Locally massive serpentine			
129.9-149.9 DIOPside TREMOLITE DOLomite	132.9-133.4: granitic pegmatite dyke 133.6-134.3: breccia zone with pale coloured fluorite(?), K-feldspar 135.1-135.3: near massive phlogopite 135.5-135.7: abundant K-feldspar			
149.9-169.0 PHLOGOPITE FE-BIOTITE DOLomite	Finely banded phlogopite dolomite locally biotitic. Local brownish colouration may be due to sphalerite. Locally rich in po-py.		158.8-159.5m near massive po-py 152-153.5m possible very fine bands sph 162-163m possible minor sph.	
169.0-181.7 CALCITIC MARBLE	Gradational from above unit. Locally rusty.		169.3-169.4m near massive po.	
181.7	End of Hole			



020

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

LATITUDE 14+70E

Project No. 1346 Hole No. B93-3

Sheet No. 1 OF 4

DEPARTURE 0+90N

Property Buller Lake

Date started Dec. 16, 1993

completed Dec. 18, 1993

ELEVATION est., -3m

Test Depth Dip Magnetic Bearing Corrected Bearing

MNS 31 D/15 TWP Lutterworth Claim No. Patent

DIP AT COLLAR -90° BEARING N.A.

TOTAL DEPTH 165.4m CORE SIZE BQ

CORE STORAGE Nick Gaspick Property

REMARKS Casing left in hole and capped.

Log completed Dec 19, 1993

Contractor Longyear Canada Inc.

Logged by I.A. Tihor

Depth & Lithology Description (colour, grain size, texture, structure, etc.)

Alteration

Mineralization

Remarks

**0.0-3.0
OVERBURDEN**

**3.0-26.9
DIOPSIDE
DOLOMITE**

**26.9-48.8
DOLOMITE**

**48.8-52.9
DIOPSIDE
DOLOMITE**

Heterogenous unit but primarily dolomite.

3.0-7.0: tectonic brecciated and quite calcitic locally serpentinous as at 11.4-11.7 locally talcose as at 16.9-17.4 and 20.1

24.3-26.4: 40% massive micro-crystalline grey talc. Also at 26.8-26.9m local K-feldspar as at 20.1-20.5m and 21.7m

Mainly clean white dolomite with locally minor diopside +/- tremolite.

41.6-41.9: biotite-amphibole meta-mafic dyke

Grey diopside dolomite

31.5-32.6m 1% Zn as diss. sph & trace py
42.0-42.2, 44.4, 45.0m
trace sph at 38.6,

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Project No. 1346 Sheet No. 2 Of 4
 Property Buller Lake Hole No. B93-3

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
52.9-55.6 PHLOGOPITE DOLomite	Brecciated dolomite often showing grey white chemical deposition banding. Erratically rich in phlogopite and talc. <u>52.9-54.9</u> : 40% talc. Massive talc also in veinlets as at 54.9-55.1.			
55.6-63.9 DIOPside DOLomite	Heterogenous as at 3-26.9m diopside dolomite with many bands and clots of massive talc and phlogopite.			
63.9-66.2 PHLOGOPITE DOLomite	50% phlogopite, locally massive over 20-30cm.			
66.2-72.4 DIOPside DOLomite	With minor bands phlogopite			
72.4-77.6 PHLOGOPITE DIOPside DOLomite	Locally strongly talcose			
77.6-91.7 GRANITIC PEGMATITE	Quartz microcline pegmatite with many inclusions of diopside and minor phlogopite			

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Project No. 1346 Sheet No. 3 OF 4
 Property Buller Lake Hole No. _____

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
91.7-98.3 SERPENTINE TREMOLITE DOLOMITE	Serpentine dolomite at top grading to tremolite dolomite at bottom. <u>94.8-97.2: pegmatite dyke</u>			
98.3-107.6 PHLOGOPITE DOLOMITE	With minor calcite. 1-2cm wide veinlets massive talc in meta mafic dyke at 104.5-105.2m.			
107.6-117.6 SERPENTINE DIOPSIDE DOLOMITE	With pegmatites at 114.8-116.3m.	trace py near bottom of section		
117.6-141.0 TREMOLITE DIOPSIDE DOLOMITE	Pyrite rich (diss) tremolite diopside dolomite. Locally rich in phlogopite.	commonly 1-10% py 131.5-134.5m 15-30% pyrite	125.0m foliation at 67 deg TCA	
141.0-163.9 PHLOGOPITE DIOPSIDE DOLOMITE	Locally tremolitic	156-159.6m minor bands rusty brown very fine grained material (Zn mineral ?)		
163.9-164.4 CALCITIC MARBLE	Finely banded impure calcitic marble			

NORANDA EXPLORATION COMPANY LIMITED DIAMOND DRILL CORE LOG

Project No. 1346 Sheet No. 4 OF 4
Property Buller Lake Hole No. B93-3

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
164.4-165.4 GRANITIC PEGMATITE 165.4	End Of Hole			

LATITUDE I4+70E

NORANDA EXPLORATION COMPANY LIMITED

Sheet No. 1 OF 4

DEPARTURE 0+90N

DIAMOND DRILL CORE LOG

Project No. 1346 Hole No. B93-3

ELEVATION est. -3m

Test Dip Magnetic Corrected
Depth Bearing Bearing

Property Buller Lake Winkelaar Patent

DIP AT COLLAR -90° BEARING N.A.

NTS. 31 D/15 TWP. Lutterworth Claim No. Patent

TOTAL DEPTH 165.4m CORE SIZE BQ

Date started Dec. 16, 1993 completed Dec. 18, 1993

CORE STORAGE Nick Gaspick Property

Contractor Longyear Canada Inc.

REMARKS Casing left in hole and capped.

Log completed Dec 19, 1993

Logged by L.A. Tihor *L.A. Tihor*

Depth & Lithology Description (colour, grain size, texture, structure, etc.)

Alteration

Mineralization

Remarks

**0.0-3.0
OVERBURDEN**

**3.0-26.9
DIOPSIDE
DOLomite**

Heterogenous unit but primarily diopside dolomite.

3.0-7.0: tectonic brecciated and quite calcitic locally serpentinous as at 11.4-11.7
Locally talcose as at 16.9-17.4 and 20.1

24.3-26.4: 40% massive micro-crystalline grey talc. Also at 26.8-26.9m
Local K-feldspar as at 20.1-20.5m and 21.7m

**26.9-48.8
DOLomite**

Mainly clean white dolomite with locally minor diopside +/- tremolite.

41.6-41.9: biotite-amphibole meta-mafic dyke

31.5-32.6m 1% Zn as
diss. sph & trace py
trace sph at 38.6,
42.0-42.2, 44.4, 45.0m

**48.8-52.9
DIOPSIDE
DOLomite**

Grey diopside dolomite

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Project No. 1346 Sheet No. 2 OF 4
 Hole No. B93-3
 Property Buller Lake

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
52.9-55.6 PHLOGOPITE DOLOMITE	Brecciated dolomite often showing grey white chemical deposition banding. Erratically rich in phlogopite and talc. 52.9-54.9: 40% talc. Massive talc also in veinlets as at 54.9-55.1.			
55.6-63.9 DIOPSIDE DOLOMITE	Heterogenous as at 3-26.9m diopside dolomite with many bands and clots of massive talc and phlogopite.			
63.9-66.2 PHLOGOPITE DOLOMITE	50% phlogopite, locally massive over 20-30cm.			
66.2-72.4 DIOPSIDE DOLOMITE	With minor bands phlogopite			
72.4-77.6 PHLOGOPITE DIOPSIDE DOLOMITE	Locally strongly talcose			
77.6-91.7 GRANITIC PEGMATITE	Quartz microcline pegmatite with many inclusions of diopside and minor phlogopite			

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Project No. 1346 Sheet No. 3 OF 4
 Property Buller Lake Hole No. _____
 B93-3

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
91.7-98.3 SERPENTINE TREMOLITE DOLomite	Serpentine dolomite at top grading to tremolite dolomite at bottom. <u>94.8-97.2</u> : pegmatite dyke			
98.3-107.6 PHLOGOPITE DOLomite	With minor calcite. 1-2cm wide veinlets massive talc in meta mafic dyke at 104.5-105.2m.			
107.6-117.6 SERPENTINE DIOPSIDE DOLomite	With pegmatites at 114.8-116.3m.	trace py near bottom of section		
117.6-141.0 TREMOLITE DIOPSIDE DOLomite	Pyrite rich (diss) tremolite diopside dolomite. Locally rich in phlogopite.	commonly 1-10% py 131.5-134.5m 15-30% pyrite		125.0m foliation at 67 deg TCA
141.0-163.9 PHLOGOPITE DIOPSIDE DOLomite	Locally tremolitic	156-159.6m minor bands rusty brown very fine grained material (Zn mineral ?)		
163.9-164.4 CALCITIC MARBLE	Finely banded impure calcitic marble			

NORANDA EXPLORATION COMPANY LIMITED
DIAMOND DRILL CORE LOG

Project No. 1346 Sheet No. 4 OF 4
 Hole No. B93-3
 Property Buller Lake

Depth & Lithology	Description (colour, grain size, texture, structure, etc.)	Alteration	Mineralization	Remarks
164.4-165.4 GRANITIC PEGMATITE 165.4	End Of Hole			



Report of Work Conducted After Recording Claim
Mining Act

Transaction Number
W9490.00045

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



31D15SW0002 W9490.00045 LUTTERWORTH

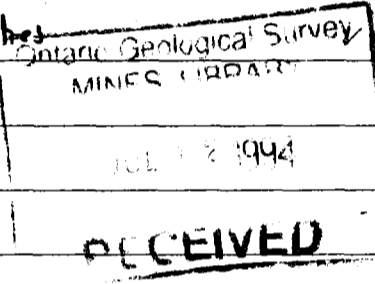
900

- Instructions:**
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for requirements of mining 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) Alar T. Soever & Associates Inc. / Fets & Sybil Winkler (Patent Holders)	Client No. 229147 / N/A
Address 79 Dearbourne Ave, Toronto, Ont. M4K 1M6 / General Delivery, McKellar, Ont. P0G 1E0	Telephone No.
Mining Division Southern Ontario	Township/Area Lutterworth
M or G Plan No. G-1296	
Dates Work Performed From: November 24, 1993	To: December 30, 1993

Work Performed (Check One Work Group Only)

Work Group	Type
<input type="checkbox"/> Geotechnical Survey	
<input checked="" type="checkbox"/> Physical Work, Including Drilling	Diamond Drilling DDH B 93-1,2,3,4 650.5 metres
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	



Total Assessment Work Claimed on the Attached Statement of Costs **\$ ~~38,630.00~~ 18,113.00**

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
Longyear Canada Inc.	PO Box 330, North Bay, Ont. P1B 8H6

(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 June 19/1994	Recorded Holder or Agent (Signature) <i>[Signature]</i> Agent
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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 June 13/94	Certified By (Signature) <i>[Signature]</i>

For Office Use Only

Total Value Cr. Recorded	Date Recorded June 16/94	Mining Recorder D. Sellemore	RECEIVED JUN 16 1994 AM 7,8,9,10,11,12,1,2,3,4,5,6 PM
	Deemed Approval Date Sept 14/94	Date Approved Approved July 7/94	
	Date Notice for Amendments Sent June 20/94		

Work Report# for Applying Reserve	Claim Number (see note 2)	# of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Values Assigned from this Claim	Reserve:Work to be Claimed at a Future Date
			0.00			
	SO 1,092,183	1	0.00	800.00		
	SO 1,092,184	1	9.690.00	800.00	8,890.00	
	SO 1,092,185	1	8.423.00	800.00	1,110.00	6,513.00
	SO 1,092,186	1	0.00	800.00		
	SO 1,134.357	1	0.00	1,200.00		
	SO 1,134.358	1	0.00	1,200.00		
	SO 1,134.359	1	0.00	1,200.00		
	SO 1,134.360	1	0.00	1,200.00		
	SO 1,134.361	1	0.00	1,200.00		
	SO 1,150,830	1	0.00	1,200.00		
	SO 1,150,831	1	0.00	1,200.00		

11
Total Number
of Claims

18,113.00 11,600.00
Total Value Work Done Total Value Work Applied

10,000.00 6,513.00
Total Assigned From Total Reserve

Credits you are claiming in this report may be cut back. In order to minimize the adverse affects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (x) one of the following:

1. Credits are to be cut back starting with the claims listed last, working backwards.
2. Credits are to be cut back equally over all claims contained in this report of work.
3. Credits are to be cut back as prioritized on the attached appendix.
4. Credits are to be cut back starting with the claims that have reserve credits.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option payments, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature	Date
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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
W9490.00045

Amended

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	3349.00 7181.00	3349.00
	Field Supervision Supervision sur le terrain		7181.00
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type Diamond Drilling	14,147.00 34,147.00	14,147.00
			34,147.00
Supplies Used Fournitures utilisées	Type	GJK	
Equipment Rental Location de matériel	Type		
Total Direct Costs Total des coûts directs			37,308.00 17,496.00

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 Truck & Gas	313.00 657.00	
		GJK	313.00
			657.00
Food and Lodging Nourriture et hébergement		304.00 671.00	304.00
			671.00
Mobilization and Demobilization Mobilisation et démobilisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			757.00 6774
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excedant pas 20 % des coûts directs)			757.00 6774
Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs)			18,113.00

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
	× 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.

Valeur totale du crédit d'évaluation	Evaluation totale demandée
	× 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 Agent I am authorized

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

à faire cette attestation.

Date June 10, 1964

**To: Mining Recorder, Southern Ontario Mining Division
Toronto, Ontario**

We, Felix Winkelaar and Sybil Winkelaar, are the registered holders of Lot 18, Concession IV, Lutterworth Township, Haliburton County, Ontario. We hereby authorize George Koleszar, acting in his capacity as Claims/Project Coordinator for Noranda Exploration Company, Limited (No Personal Liability), to act as our agent in the matter of recording and assigning assessment work carried out by Noranda Exploration Company, Limited (No Personal Liability) on our property located in Lutterworth Township and listed as Block B on the attached Schedule "A".

The assessment work is to be assigned only to the claims listed as Block A on the attached Schedule "A". While options agreement is in effect.

Felix Winkelaar
Felix Winkelaar

May 29/94
Date

Sybil Winkelaar
Sybil Winkelaar

May 29 1994
Date

This is SCHEDULE "A" to the letter agreement dated the 25th day of October, 1993 between NORANDA EXPLORATION COMPANY, LIMITED ("Optionee") (No Personal Liability) and FELIX WINKELAAR AND SYBIL WINKELAAR ("Optionor")

The Total Property forming the subject matter of the attached is comprised of the following properties located in Haliburton County, Ontario:

BLOCK A is comprised of the following unpatented mining claims located in Lutterworth Township, Haliburton County, Ontario:

<u>Claims</u>	<u>Lot</u>	<u>Concession</u>
SO 1092183	N 1/2 18	V
SO 1092184	S 1/2 18	V
SO 1092185	N 1/2 19	IV
SO 1092186	S 1/2 19	IV
SO 1134357	N 1/2 20	IV
SO 1134358	N 1/2 21	IV
SO 1134359	S 1/2 20	IV
SO 1134360	N 1/2 17	VI
SO 1134361	S 1/2 17	VI
SO 1150830	North half of Buller Lake	
SO 1150831	South half of Buller Lake	

BLOCK B is comprised of the mining rights only to patented lot; Lot 18 Conc.IV

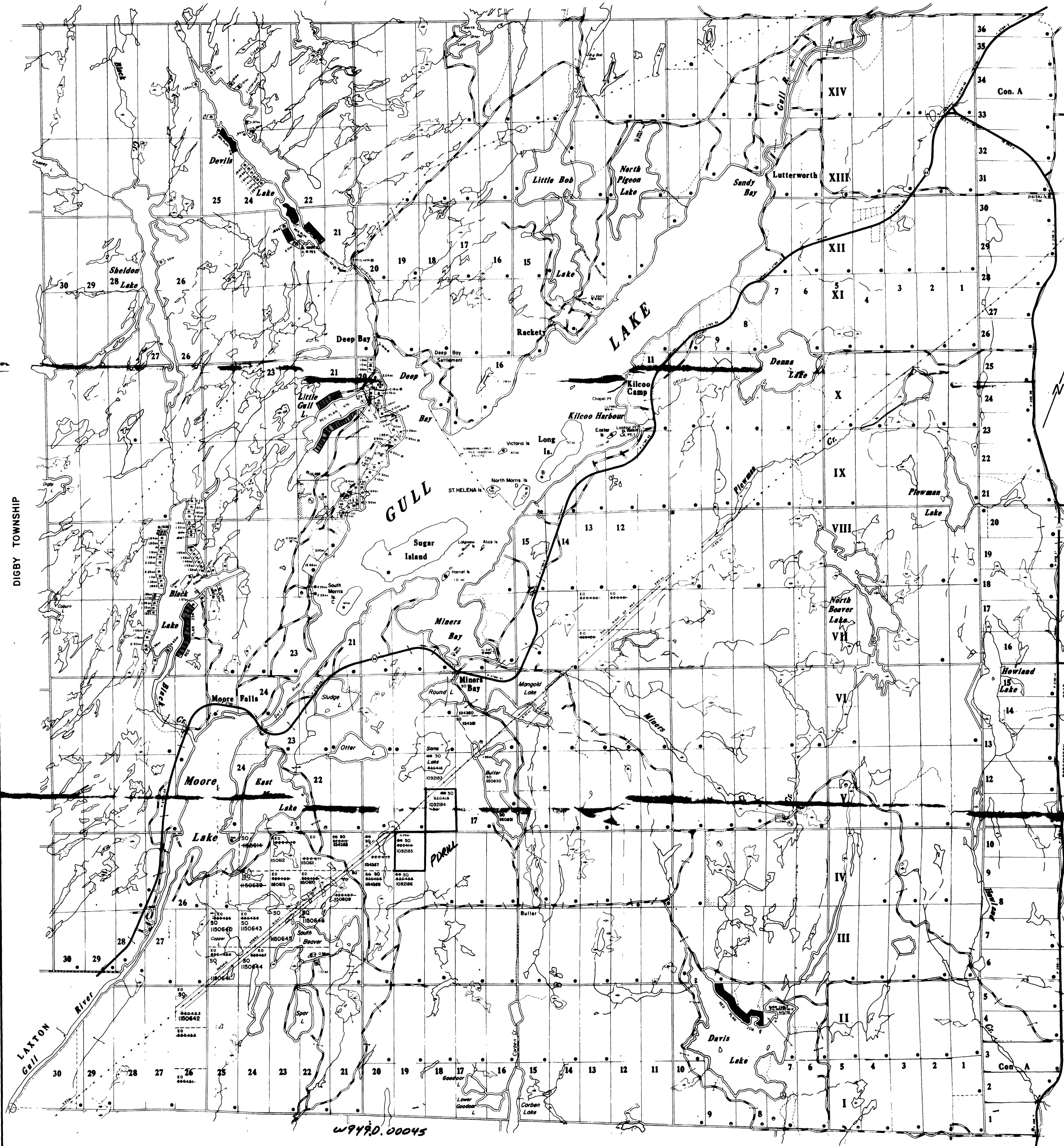
BLOCK C is comprised of the mining rights only to patented lot; Lot 17, Conc. IV

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

Description	Order No.	Date	Disposition	File
1	CRON RESERVE			
2	34/80	11/80	2/1/80	S.R.O.
3	34/80	11/80	4/3/80	S.R.O.

ANSON TOWNSHIP



LEGEND

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

DISPOSITION OF CROWN LANDS

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

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1875, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1919, CHAP. 280, SEC. 53, SUBSEC. 1.

SCALE 1:20,000

400' SURFACE RIGHTS RESERVATION ALONG THE SHORES OF ALL LAKES AND RIVERS

DATE OF ISSUE
JUL 13 1994
SOUTHERN ONTARIO MINING DIVISION

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE SEEKING 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.

TOWNSHIP
LUTTERWORTH
M.N.R. ADMINISTRATIVE DISTRICT
MINDEN
MINING DIVISION
SOUTHERN ONTARIO
LAND TITLES / REGISTRY DIVISION
HALIBURTON

Ministry of Natural Resources and Mines
Ontario

24th FEBRUARY 1987
G-1296



SOMMERVILLE TOWNSHIP

W9490.00045