010

Durham Geological Services Inc.
P.O. Box 1330
Timmins, Ontario
P4N 7J8

DIAMOND DRILL HOLE LOG

PROJECT: NORONT RESOURCES LTD

HOLE NUMBER: H-91-1

AREA: HURDMAN TWP.

LOCATION: L 68E 15+75 S.

CLAIM NUMBER: 1177669

AZIMUTH: 180°

CORE SIZE: BQ

DIP: -55°

DRILLED BY: NORDEX DRILLING

DATES: December 11 - 12 1991

LOGGED BY: BRUCE DURHAM

CASING: 9m.

CORE STORED AT: TIMMINS CORE LIBRARY

LENGTH: 95m.

OBJECTIVE: Test for Dip and Continuity of Mineralization in Mattagami hole 30.

DIP TESTS: 95m. -53°

DURHAM
GEOLOGICAL
SERVICES INC.

DIAMOND DRILL HOLE LOG

4-91-1 p.1

METERAGE From	METERAGE To	ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE Number	SAMPLE From	SAMPLE To	SAMPLE Length (m)	ANALYTICAL RESULT Au ppb	As ppm	Pb ppm	Zn ppm	Cu ppm	Ag ppm
0	9.1	Casing												
9.1	13.25	Gn-bi gneiss												
		rather light colored, banded gneissosity	55°											
		late dike on lower contact, faulted												
13.25	15.6	Gn Rich Mg Rich IF												
		Gn up to 40% v coarse - up to 3cm.												
		up to 10% mag. 20% hb.												
15.6	43.5	Grey Banded Gneiss												
		Bi-feld-qtz hb gn + minmg banding	55-80											
		typically	65-70											
		some gn rich fractures												
		29.5-30.5 Pg dike parallel to gn	65-75											
		gneiss is darker below 30m.												
43.5	45.8	Pegmatoid (dike?)												
		Light greenish grey; may be												
		coarse recrystallization, contact reg.												
45.8	46.5	Leucocratic Coarse Gneiss												
		Subbanded, gradually finer grained												
		bi-qtz-feld cathophyllite gneiss												
		containing [illegible] gabnite.												

DURHAM GEOLOGICAL SERVICES INC.

DIAMOND DRILL HOLE LOG

1-1-91-1 p2.

METERAGE		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE				ANALYTICAL RESULT					
From	To				Number	From	To	Length (m)	Au ppb	As ppm	Pb ppm	Zn ppm	Cu ppm	Ag ppm
46.5	61.8	Sillimanite - biotite - tremolite												
		feld-bi-qtz - anth gneiss.												
		strong √fabric + mineral lineation	75-85											
		occasional bleached zones contain												
		gahnite crystals + Cr 1-5% ZnS to 48.4m.												
		56-61.8 irregular core angles some												
		are subparallel to CA.												
		Mineral lineation in sillimanite-Tremolite												
		is strongly developed.												
		occasional sph and gahnite bearing sections												
61.8	79.2.	Leucocratic banded Gneiss containing												
		Sphalerite.												
		Qtz-feld ± sill, trem anth musc and cord.												
		zone is well banded to nearly massive												
		Light grey brown to nearly white in color.												
		Medium grained to occ coarse grained.												
		61.8 - 62.8 <1% sulfides √minor sph at 62.65			6201	61.8	62.8	1.0	240			696	392	2
		62.8 - 63.8 <1% sulfides √minor sph			6202	62.8	63.8	1.0	117			2780	202	2
		63.8 - 64.8 1-2% sulfides Minor sph near qtz-sph			6203	63.8	64.8	1.0	303			1118	554	6

DURHAM GEOLOGICAL SERVICES INC.

DIAMOND DRILL HOLE LOG

H-91-1 p3.

METERAGE		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE				ANALYTICAL RESULT					
From	To				Number	From	To	Length (m)	Au ppb	As ppm	Pb ppm	Zn ppm	Cu ppm	Ag ppm
		64.2-65.8 2% py-po sph in gneiss			6204	64.8	65.8	1.0	244			1.81%	492	6
		65.8-66.8 3% py-po sph in gneiss to 5%			6205	65.8	66.8	1.0	113			4260	180	2
		66.8-67.8 largely barren gneiss (40cm)			6206	66.8	67.8	1.0	141			1.2%	300	2
		sil gneiss from 67.6 contains 5% sph.												
		67.8-68.4 1% py in barren gneiss			6207	67.8	68.4	0.6	241			1724	326	6
		68.4-69.4 rather massive sil gneiss			6208	68.4	69.4	1.0	974			6.15%	356	16
		upto 20% ZnS in places <1% py												
		69.4-70.7 as above coarse sph to 20%			6209	69.4	70.7	1.3	727			8.10%	304	28
		and occ 1-2cm bands.												
		70.7-71.7 as above coarse feldspar clots 71.3-71.5			6210	70.7	71.7	1.0	466			2.84%	310	14
		and 71.5-71.7 - no sulfides												
		71.7-72.9 More py-po rich <5% ZnS			6211	71.7	72.9	1.2	439			7320	420	10
		py occurs as diss grains and blotches												
		72.9-74.0 Less siliceous sil, bi rich	<5% sulfides		6212	72.9	74.0	1.1	115			632	294	6
		74.0-75.5 Coarse py along fracture			6213	74.0	75.5	1.5	215			7880	242	12
		subparallel to CA - some coarse ZnS adjacent												
		to narrow qtz vein and in gneiss												
		75.5-77.0 Good, felsic, NMS (py minor py)			6214	75.5	77.0	1.5	0.03oz			2.70%	310	20
		minor sph (<2%) largely below NMS												
		77.0-78.3 20% py-po 3-5% ZnS in gneiss			6215	77.0	78.3	1.3	123			2.50%	394	36
		minor chloritic material - local fold.												
		78.3-79.2 more bi rich gneiss			6216	78.3	79.2	0.9	227			3420	222	18
		10cm band of NMS (py												

DURHAM
GEOLOGICAL
SERVICES INC.

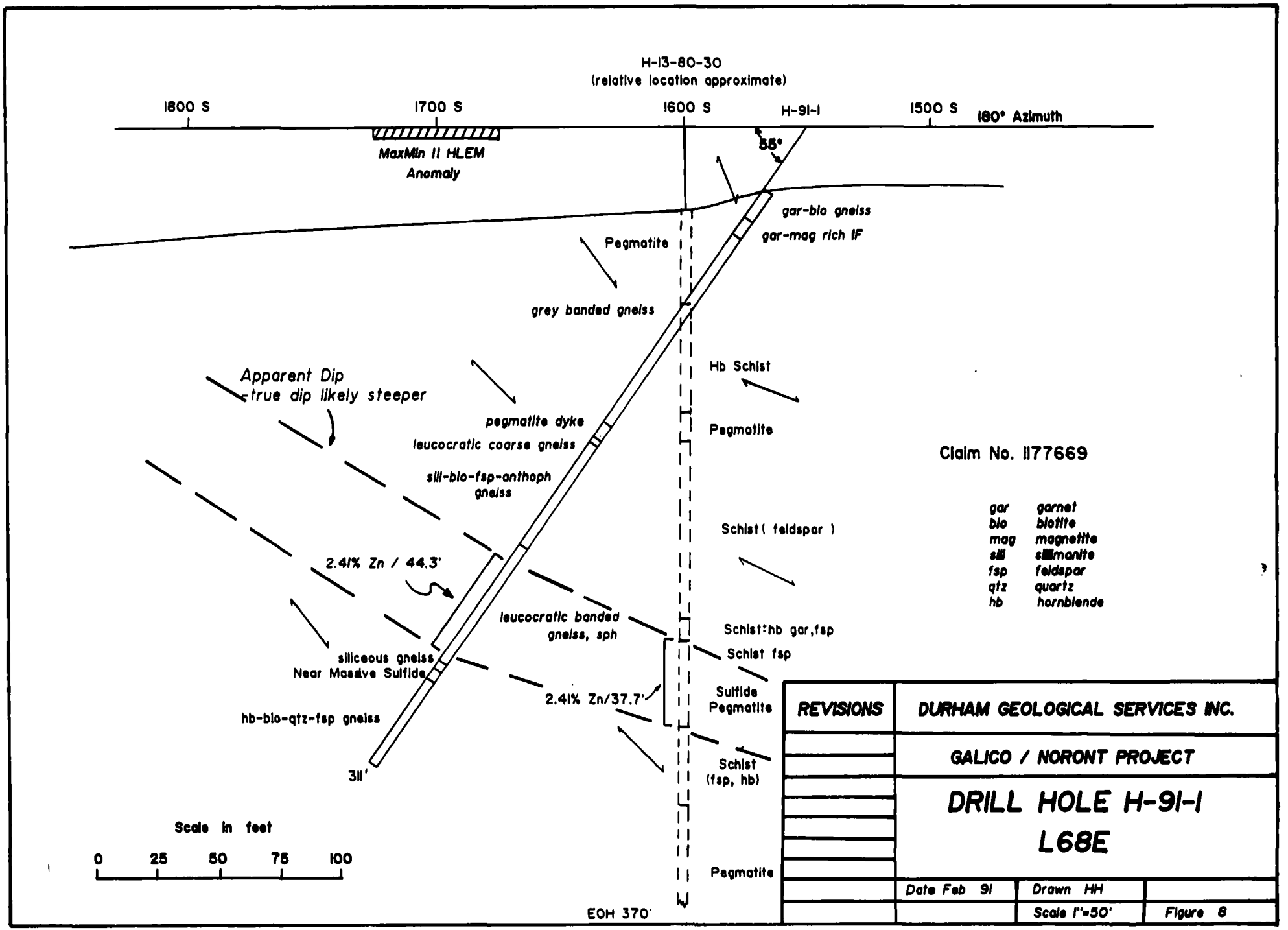
DIAMOND DRILL HOLE LOG

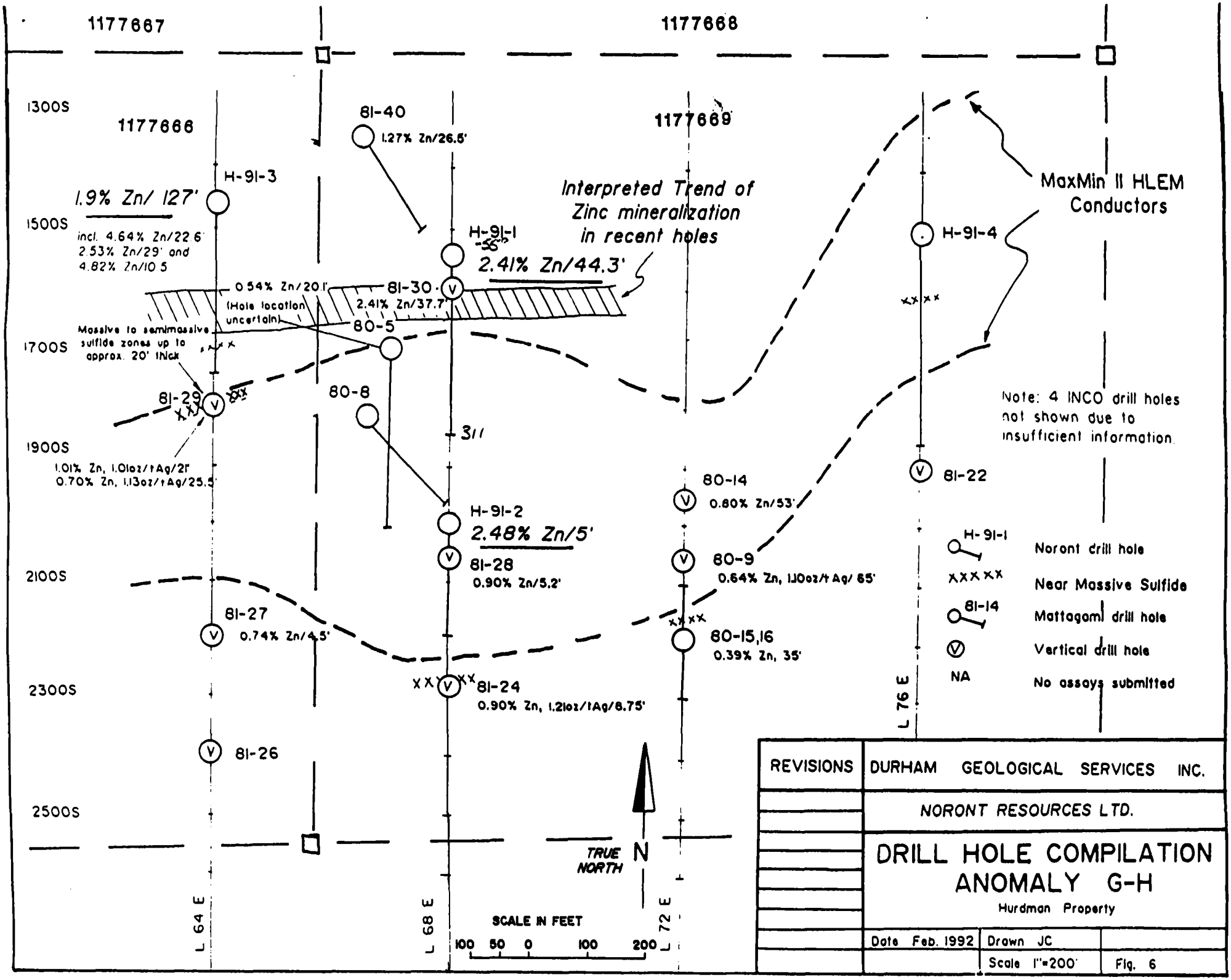
H-91-1 p4

METERAGE		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sul-phides	SAMPLE				ANALYTICAL RESULT					
From	To				Number	From	To	Length (m)	Au ppb	As ppm	Pb ppm	Zn ppm	Cu ppm	Ag ppm
79.2	80.4	Moderately Siliceous Gneiss												
		Bi-qtz-feld gneiss, ± musc, trem, sil.												
80.4	81.9	Near Massive Sulfide												
		Mainly po. Minor sph, cpy, gal and mg.												
		Iron Formation - fragmented, siliceous												
		coarsely recrystallized.												
81.9	95.0	Hb-bi-qtz-feld gneiss												
		hb as grains and 1-5 cm bands												
		some evidence of folding at	83.4											
		a little more bleaching near	94m.											
		90.9 - 91.6 Peg dike												
		E.O.H-1												

R. D. DURHAM
GEOLOGIST
FELLOW

Bruce Durham
Date 2/9/91


H-13-80-30
(relative location approximate)
1800 S
1700 S
1600 S
H-91-1
1500 S
180° Azimuth
MaxMin II HLEM
Anomaly
55°
gar-bio gneiss
gar-mag rich IF
Pegmatite
grey banded gneiss
Hb Schist
Apparent Dip
true dip likely steeper
pegmatite dyke
leucocratic coarse gneiss
sill-bio-fsp-anthoph
gneiss
Pegmatite
Claim No. 1177669
gar garnet
bio biotite
mag magnetite
sill sillimanite
fsp feldspar
qtz quartz
hb hornblende
Schist (feldspar)
2.41% Zn / 44.3'
leucocratic banded
gneiss, sph
Schist: hb gar, fsp
Schist fsp
siliceous gneiss
Near Massive Sulfide
2.41% Zn/37.7'
Sulfide
Pegmatite
hb-bio-qtz-fsp gneiss
311'
Schist
(fsp, hb)
Scale in feet
0 25 50 75 100
Pegmatite
EOH 370'
REVISIONS
DURHAM GEOLOGICAL SERVICES INC.
GALICO / NORONT PROJECT
DRILL HOLE H-91-1
L68E
Date Feb 91
Drawn HH
Scale 1"=50'
Figure 8


1177667
1177668
1177666
1177669
1300S
1500S
1700S
1900S
2100S
2300S
2500S
L 64 E
L 68 E
L 72 E
L 76 E
H-91-3
1.9% Zn/ 127'
incl. 4.64% Zn/22.6'
2.53% Zn/29' and
4.82% Zn/10.5
81-40
1.27% Zn/26.5'
H-91-1
2.41% Zn/44.3'
Interpreted Trend of
Zinc mineralization
in recent holes
MaxMin II HLEM
Conductors
H-91-4
0.54% Zn/20.1'
(Hole location
uncertain)
81-30
2.41% Zn/37.7'
80-5
Massive to semimassive
sulfide zones up to
approx. 20' thick
81-29
1.01% Zn, 1.0oz/tAg/21'
0.70% Zn, 1.13oz/tAg/25.5'
80-8
311
H-91-2
2.48% Zn/5'
81-28
0.90% Zn/5.2'
81-27
0.74% Zn/4.5'
81-24
0.90% Zn, 1.2oz/tAg/8.75'
81-26
80-14
0.80% Zn/53'
80-9
0.64% Zn, 1.0oz/t Ag/ 65'
80-15,16
0.39% Zn, 35'
81-22
Note: 4 INCO drill holes
not shown due to
insufficient information.
H-91-1
Noront drill hole
Near Massive Sulfide
81-14
Mattagami drill hole
Vertical drill hole
NA
No assays submitted
TRUE
NORTH
N
SCALE IN FEET
100 50 0 100 200
REVISIONS
DURHAM GEOLOGICAL SERVICES INC.
NORONT RESOURCES LTD.
DRILL HOLE COMPILATION
ANOMALY G-H
Hurdman Property
Date Feb. 1992
Drawn JC
Scale 1"=200'
Fig. 6

Durham Geological Services Inc.
P.O. Box 1330
Timmins, Ontario
P4N 7J8

DIAMOND DRILL HOLE LOG

PROJECT: NORANDA RESOURCES LTD

AREA: HURDMAN TWP.

CLAIM NUMBER: 1177669

CORE SIZE: BQ

DRILLED BY: NORTH DRILLING.

LOGGED BY: BRUCE DURHAM

CORE STORED AT: TIMMINS CORE LIBRARY

OBJECTIVE: TEST SOUTH PART OF GROUND EM ANOMALY 13 C-H.

HOLE NUMBER: H-91-2

LOCATION: L68E 20+00S.

AZIMUTH: 180°

DIP: -50°

DATES: December 13, 1991

CASING: 22 M.

LENGTH: 122m.

DIP TESTS: 100M - 50°

DURHAM GEOLOGICAL SERVICES INC.

DIAMOND DRILL HOLE LOG

H-91-2 p.1

METERAGE From	METERAGE To	ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE Number	SAMPLE From	SAMPLE To	SAMPLE Length (m)	ANALYTICAL RESULT Au ppb	As ppm	Pb ppm	Zn ppm	Cu ppm	Ag ppm
0	22.5	Casing												
22.5	29.5	Hb-bi-qtz-feld gneiss												
		wk foliation fg 2.5%	55°											
		wk magnetic												
29.5	48.5	Ga rich Qtz-feld-bi gneiss + sill			6217	48.1	49.1	1.0	44			7700	46	2
		occ sections of 20-40% ga.												
		overall little or no bb. wk mg:												
		gneissosity	60°											
		rather light discontinuity or assymetric fold at 39.7.												
		Minor sill in somewhat bleached zones.												
		assymetric band @ 39.5 m.												
		40.1-40.25 QV cuts gneissosity obliquely												
		40.4-40.5 QV.												
		40.766 rich + mg over 10cm.												
		41-48.5 Narrow bleached micaceous zones,												
		some ga rich zones.												
		48.1-48.5 2-5% fracture controlled												
		and interstitial ZnS.												
		gneissosity	60-65°											
		occ	70											
48.5	59.05	Pegmatoid Dike			6218	49.1	50.0	0.9	99			8760	184	14
		-quite sharp contacts			6219	50.0	51.0	1.0	155			1.50%	112	12

DURHAM GEOLOGICAL SERVICES INC.

DIAMOND DRILL HOLE LOG

METERAGE		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE				ANALYTICAL RESULT					
From	To				Number	From	To	Length (m)	Au ppb	As ppm	Pb ppm	Zn ppm	Cu ppm	Ag ppm
		c.g. at contacts			6220	57.5	59.0	1.5	70			334	192	10
		some finer grained sections near contacts												
		some sections contain 2-10% diss py po (sph to 2%)												
		sulfides are c.g and interstitial,												
		often in fractures, rimmed by chl												
		and in places Mg replaces py												
		Near upper ct dike is light green-beige												
		and altered to 50.1												
		From 50.1 - abrupt change to uniform												
		gtz feld dike.												
		57.5 - abrupt change to somewhat												
		altered dike - less uniform, more												
		sulfides (1-3%) and less pink												
		Lower c.t marked by g.v.												
59.05	59.15	10cm NMS.			6221	59.0	60.5	1.5	285			3780	140	10
		po + minor py, v minor sph.	45°											
		+10cm of 30% po.												
59.15	66.6	Heterogeneous Gneiss			6222	60.5	62.0	1.5	44			2.48%	36	2
		Bi-gtz-feld-anth-gtz-sill trem gneiss			6223	62.0	63.5	1.5	114			3660	142	4

DURHAM GEOLOGICAL SERVICES INC.

DIAMOND DRILL HOLE LOG

H-91-2 p3.

METERAGE From	METERAGE To	ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE Number	SAMPLE From	SAMPLE To	SAMPLE Length (m)	ANALYTICAL RESULT Au ppb	As ppm	Pb ppm	Zn ppm	Cu ppm	Ag ppm
		61.6 10 cm. of 20% sph.			6224	63.5	65.0	1.5	32			4580	56	2
		Local fold at 64.9.			6225	65.0	66.5	1.5	49			5880	56	ND
		gneissosity	70-45°											
		Fold nose @ 66m.												
66.6	68.3	Peg dike - poorly developed.			6226	66.5	67.6	1.1	126			336	162	6
		lower ct appears to cut gneissosity												
		up 6-15% py po @ 67.5-67.6												
68.3	68.8	Hb-bi-qtz-feld-gneiss ± bi.	75°											
68.8	72.4	Greenish pegmatoid dike												
		upper ct oblique to gneissosity 40°												
		Lower ct	45°											
72.4	79.15	Bi-qtz-feld hb gneiss Min gg.												
		wk mg.												
79.15	79.7	Granitoid Dike												
		Qtz feld bi dike. upper ct	35°											
		lower ct	40° (vague)											
79.7	87.1	Bi-qtz feld gneiss												
		scattered hb clots and bands.												
		gneissosity	65°											

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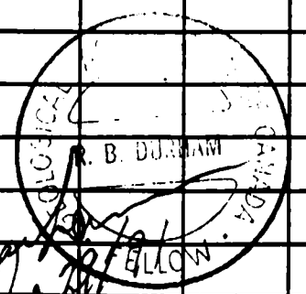
GEOLOGICAL
SERVICES INC.

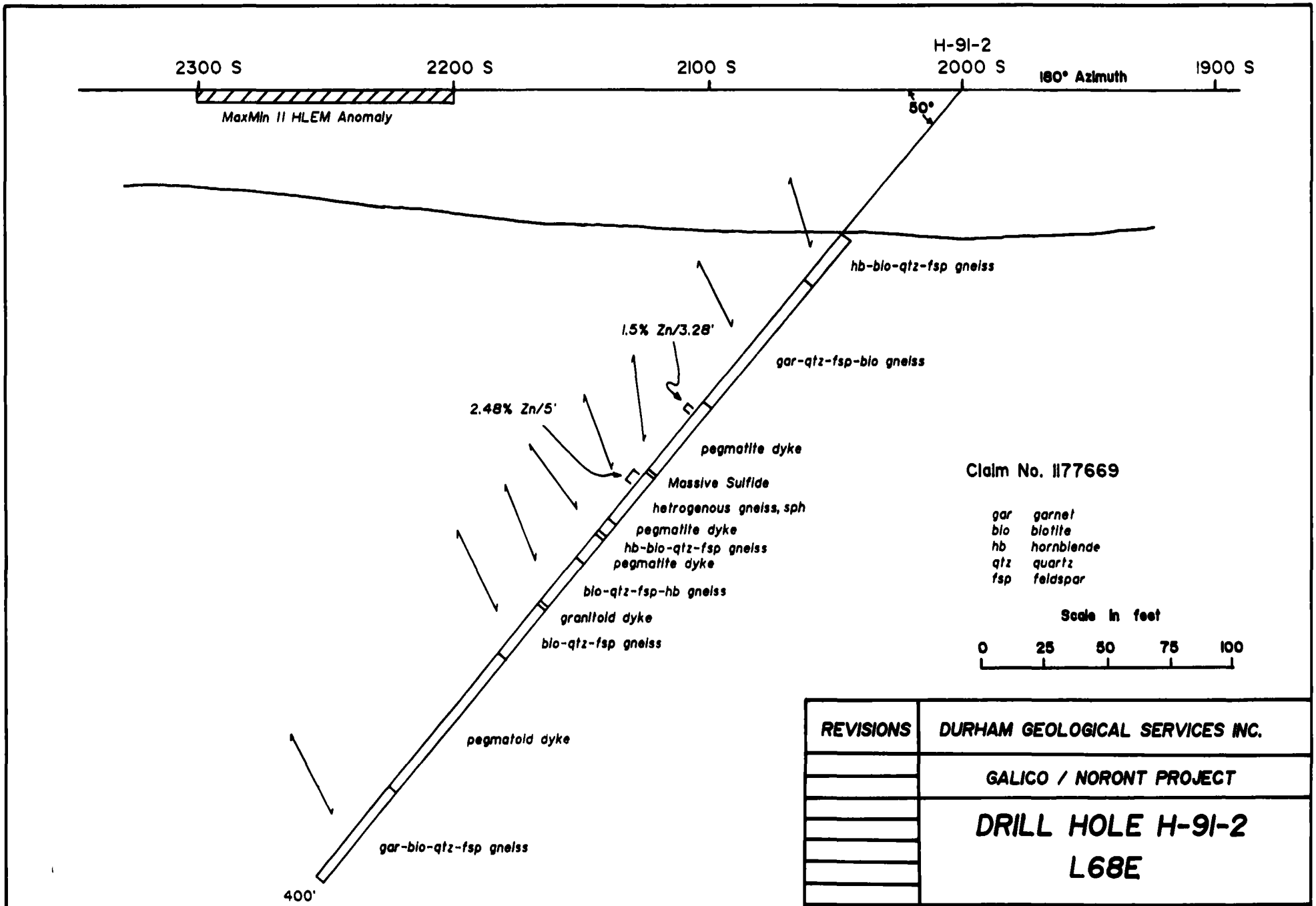
DIAMOND DRILL HOLE LOG

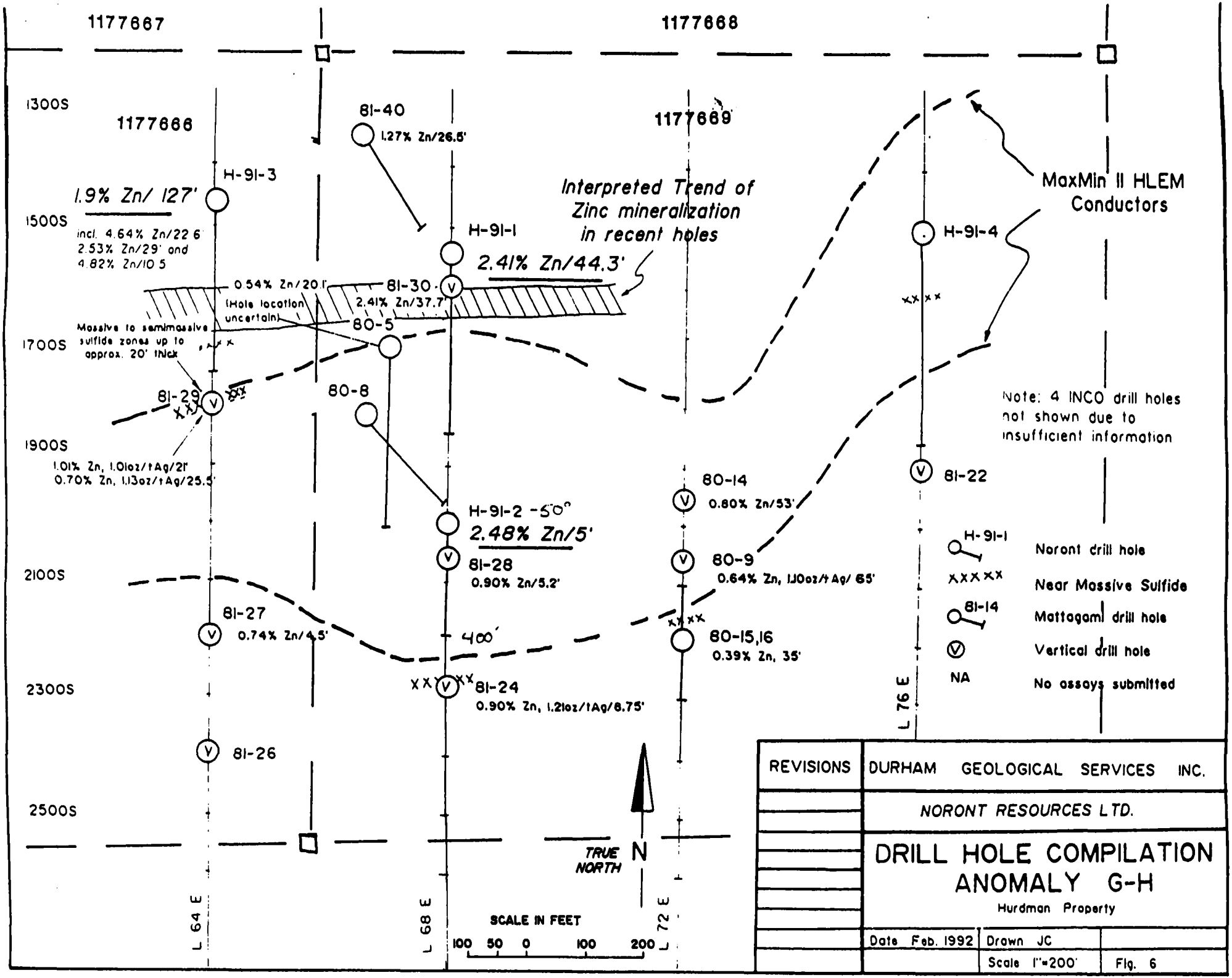
1-91-2 p 4

METERAGE		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sul-phides	SAMPLE				ANALYTICAL RESULT					
From	To				Number	From	To	Length (m)	Au ppb	As ppm	Pb ppm	Zn ppm	Cu ppm	Ag ppm
		81.9-83.5 cg pink dike												
		bi on contacts (in dike)												
		occ cg mg.												
87.1	107.7	Pegmatoid Granitic dike												
		Qtz feld < 5% bi.												
		occ py-po mg < 2%												
		Massive, uniform.												
107.7	122m.	Gn bi qtz feld gneiss as at 29.5	65-70											
		107.7-113.2 somewhat bleached												
		weak epidote alteration, likely												
		related to diking.												
		113.2-114.8 Dike apophysis												
		121.45-121.8 light colored, clotted dike												



Bruce Durham


H-91-2
2300 S
2200 S
2100 S
2000 S
1900 S
180° Azimuth
50°
MaxMin II HLEM Anomaly
hb-bio-qtz-fsp gneiss
1.5% Zn/3.28'
gar-qtz-fsp-bio gneiss
2.48% Zn/5'
pegmatite dyke
Massive Sulfide
hetrogenous gneiss, sph
pegmatite dyke
hb-bio-qtz-fsp gneiss
pegmatite dyke
bio-qtz-fsp-hb gneiss
granitoid dyke
bio-qtz-fsp gneiss
pegmatoid dyke
gar-bio-qtz-fsp gneiss
400'
Claim No. 1177669
gar garnet
bio biotite
hb hornblende
qtz quartz
fsp feldspar
Scale in feet
0 25 50 75 100
REVISIONS
DURHAM GEOLOGICAL SERVICES INC.
GALICO / NORONT PROJECT
DRILL HOLE H-91-2
L68E
Date Feb 91
Drawn HH
Scale 1"=50'
Figure 9


1177667
1177668
1177666
1177669
1300S
1500S
1700S
1900S
2100S
2300S
2500S
81-40
1.27% Zn/26.5'
H-91-3
1.9% Zn/ 127'
incl. 4.64% Zn/22 6
2.53% Zn/29' and
4.82% Zn/10 5
H-91-1
2.41% Zn/44.3'
Interpreted Trend of
Zinc mineralization
in recent holes
MaxMin II HLEM
Conductors
H-91-4
0.54% Zn/20.1'
81-30
2.41% Zn/37.7'
(Hole location
uncertain)
80-5
Massive to semimassive
sulfide zones up to
approx. 20' thick
81-29
1.01% Zn, 1.0oz/tAg/21'
0.70% Zn, 1.13oz/tAg/25.5'
80-8
H-91-2 -50°
2.48% Zn/5'
81-28
0.90% Zn/5.2'
80-14
0.80% Zn/53'
81-22
80-9
0.64% Zn, 1.10oz/tAg/ 65'
81-27
0.74% Zn/4.5'
400'
80-15,16
0.39% Zn, 35'
81-24
0.90% Zn, 1.21oz/tAg/6.75'
81-26
L 64 E
L 68 E
L 72 E
L 76 E
TRUE
NORTH
N
SCALE IN FEET
100 50 0 100 200
Note: 4 INCO drill holes
not shown due to
insufficient information
H-91-1
Noront drill hole
Near Massive Sulfide
81-14
Mattagami drill hole
Vertical drill hole
NA
No assays submitted
REVISIONS
DURHAM GEOLOGICAL SERVICES INC.
NORONT RESOURCES LTD.
DRILL HOLE COMPILATION
ANOMALY G-H
Hurdman Property
Date Feb. 1992
Drawn JC
Scale 1"=200'
Fig. 6

Durham Geological Services Inc.
P.O. Box 1330
Timmins, Ontario
P4N 7J8

DIAMOND DRILL HOLE LOG

PROJECT: NORCONT RESOURCES LTD

HOLE NUMBER: H-91-3

AREA: HURDMAN TWP

LOCATION: L64E 14+60S.

CLAIM NUMBER: 1177666

AZIMUTH: 180°

CORE SIZE: BQ

DIP: -55°

DRILLED BY: NORTEX DRILLING.

DATES: December 14, 15 1991

LOGGED BY: BRUCE DURHAM

CASING: 25M.

CORE STORED AT: TIMMINS CORE LIBRARY

LENGTH: 131 M.

OBJECTIVE: TEST DIP OF MINERALIZATION IN MATTAGAMI HOLE H-29. AND TEST NORTH EDGE OF CONDUCTOR.

DIP TESTS: _____ 131m -57.5°

DURHAM GEOLOGICAL SERVICES INC.

DIAMOND DRILL HOLE LOG

H-91-3 p1

METERAGE From	METERAGE To	ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE Number	SAMPLE From	SAMPLE To	SAMPLE Length (m)	ANALYTICAL RESULT Au ppb	As ppm	Pb ppm	Zn ppm	Cu ppm	Ag ppm
0	25M.	Casing												
26	27.9	Leucocratic Granitic gneiss												
		Banded segregated gneiss mod Mg	65-70											
27.9	57.9	Dark hb rich somewhat heterogeneous gneisses - Mainly hb rich some sections are nearly all hornblende others are more typical hb-bi-gn 48.5	60°											
57.9	59.5	Pegmatoid zone (Partly dike?) Coarse, Light green feld qtz bi - remnant banding upper ct sharp but not recovered. Lower ct gradational												
59.5	78.8	Mineralized Leucocratic gneiss altered and mineralized with interstitial to semi massive bands of ZnS. + minor py Ipo.	55-70		6227	59.5	60.1	0.6	129			2.64%	168	
					6228	60.1	61.3	1.2	317			7.30%	188	
					6229	61.3	62.5	1.2	77			1.74%	214	
					6230	62.5	64.2	1.7	134			8.75%	166	
					6231	64.2	65.4	1.2	108			1.06%	98	
		66.4-69.9 Massive Dike ?			6232	65.4	66.4	1.0	101			3.42%	122	
		Light colored; greenish			6233	66.4	67.9	1.5	51			1976	108	

DURHAM
GEOLOGICAL
SERVICES INC.

DIAMOND DRILL HOLE LOG

METERAGE From	METERAGE To	ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE Number	SAMPLE From	SAMPLE To	SAMPLE Length (m)	ANALYTICAL RESULT Au ppb	As ppm	Pb ppm	Zn ppm	Cu ppm	Ag ppm
					6234	67.9	68.9	1.0	119			4400	186	4
		59.5'-60.1 rather massive, coarse grained,			6235	68.9	69.9	1.0	321			6480	336	10
		up to 10% disseminated ZnS in places.			6236	69.9	70.5	0.6	134			2.42%	212	8
		60.1'-61.3 disseminated to semi massive			6237	70.5	72.1	1.6	93			1.20%	296	6
		narrow bands of ZnS. 10% py, po			6238	72.1	73.3	1.2	23			6.45%	140	4
		61.3-62.5' more biotite rich gneiss			6239	73.3	74.3	1.0	136			1.46%	168	8
		5% sph, py, po.			6240	74.3	75.8	1.5	82			668	100	8
		62.5'-64.2 heavily diss. sph near massive			6241	75.8	77.3	1.5	280			6.35%	168	24
		2cm band at 64.2. 15% total sulfide			6242	77.3	78.8	1.5	132			3960	90	2
		64.2-65.4 30cm qtz pegmatoid zone.												
		No sph., more phlogopite rich												
		65.4-66.4 narrow ZnS bands near 65.4												
		Less mineralization near 66.4.												
		66.4-67.9 Sharp contact coarse grained												
		massive dike? only sulfides												
		py + po (trace sph).												
		67.9-68.9 as at 66.4												
		68.9-69.9 as at 66.4												
		69.9-70.5 contact of dike? contains												
		5-10% py + 1-2% ZnS.												
		70.5-72.1 fine-med grained 5-10% ZnS												
		in last 10cm.												

DURHAM
GEOLOGICAL
SERVICES INC.

DIAMOND DRILL HOLE LOG

METERAGE		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE				ANALYTICAL RESULT					
From	To				Number	From	To	Length (m)	Au ppb	As ppm	Pb ppm	Zn ppm	Cu ppm	Ag ppm
		72.1 - 73.3 Diss Cg. ZnS 15% py, all sulfides are interstitial / ↓ massive sulfide												
		73.3 - 74.3 coarser grained almost pegmatitic, particularly at 73.8 - 74.3.												
		74.3 - 75.8 Quite barren, bi rich gneiss.												
		75.8 - 77.3 Heavy diss py sph in massive coarse gr gneiss.												
		77.3 - 78.8 Siliceous gneiss, some anthophyllite mica, tremolite <2% py-po trc sph.												
78.8	94.3	Mesocratic Gneiss												
		Quartz-feldspar biotite gneiss												
		weak patches of bleached gneiss,												
		in places a little coarser grained.												
		Minor sph at 79.9.												
		" " and galnite at 80.5 - 80.9.												
		" sph at 82.6 - 82.7												
		possible fold at 85.5												
		minor sph at 90.2.												
		91.2 - 93.6 darker colored gneiss - more biotite - hornblende rich.												

DURHAM
GEOLOGICAL
SERVICES INC.

DIAMOND DRILL HOLE LOG

H-91-3 p4.

METERAGE		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE				ANALYTICAL RESULT					
From	To				Number	From	To	Length (m)	Au ppb	As ppm	Pb ppm	Zn ppm	Cu ppm	Ag ppm
94.3	100.6	Leucocratic Siliceous Gneiss. quite altered, light colored tremolite, muscovite, anthophyllite rich in places.			6243	94.3	95.0	0.7	111			5440	256	10
					6244	95.0	96.4	1.4	130			6.10%	314	40
					6245	96.4	97.3	0.9	165			6920	134	10
					6246	97.3	98.2	0.9	202			6.95%	130	6
					6247	98.2	99.5	1.3	152			2480	124	8
		94.3-95.0 Sil, banded gn, trem, musc rich. 1-2% sph 1-3% py			6248	99.5	100.4	0.9	21			7100	56	ND
		95.0-96.4 light and dark sph, heavily diss. in sil cord bearing gn.												
		96.4-97.3 rather barren, more bi rich gn.												
		97.3-98.2 med grained, diss to crudely banded ZnS. in siliceous gn.												
100.6	104.5	PINK GRANITIC DIKE (Alaskite?) barren, massive, uniform chloritic contacts			6249	100.4	101.5	1.1	64			3480	54	10
104.5	107.7	Near Massive Sulfide			6250	104.5	106.0	1.5	461			654	610	2.6
		60% po, 20% py cordierite? 10% pyrite crystals to 2" cordierite occurs as ragged, ~~or~~ isolated crystals within massive py and pyrrhotite			6251	106.0	107.7	1.7	112			1390	654	16

DURHAM
GEOLOGICAL
SERVICES INC.

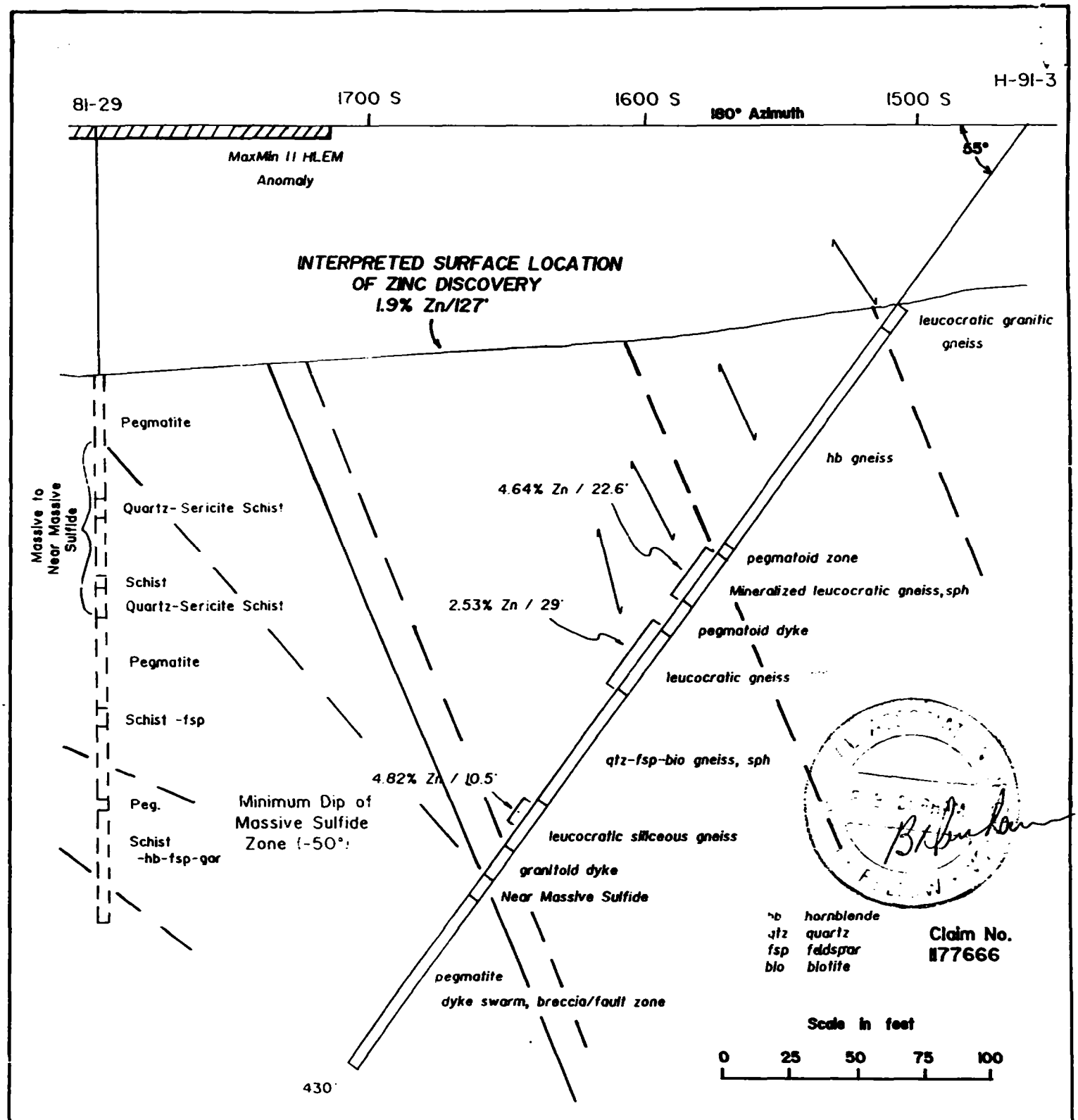
DIAMOND DRILL HOLE LOG

H91-3 p.5.

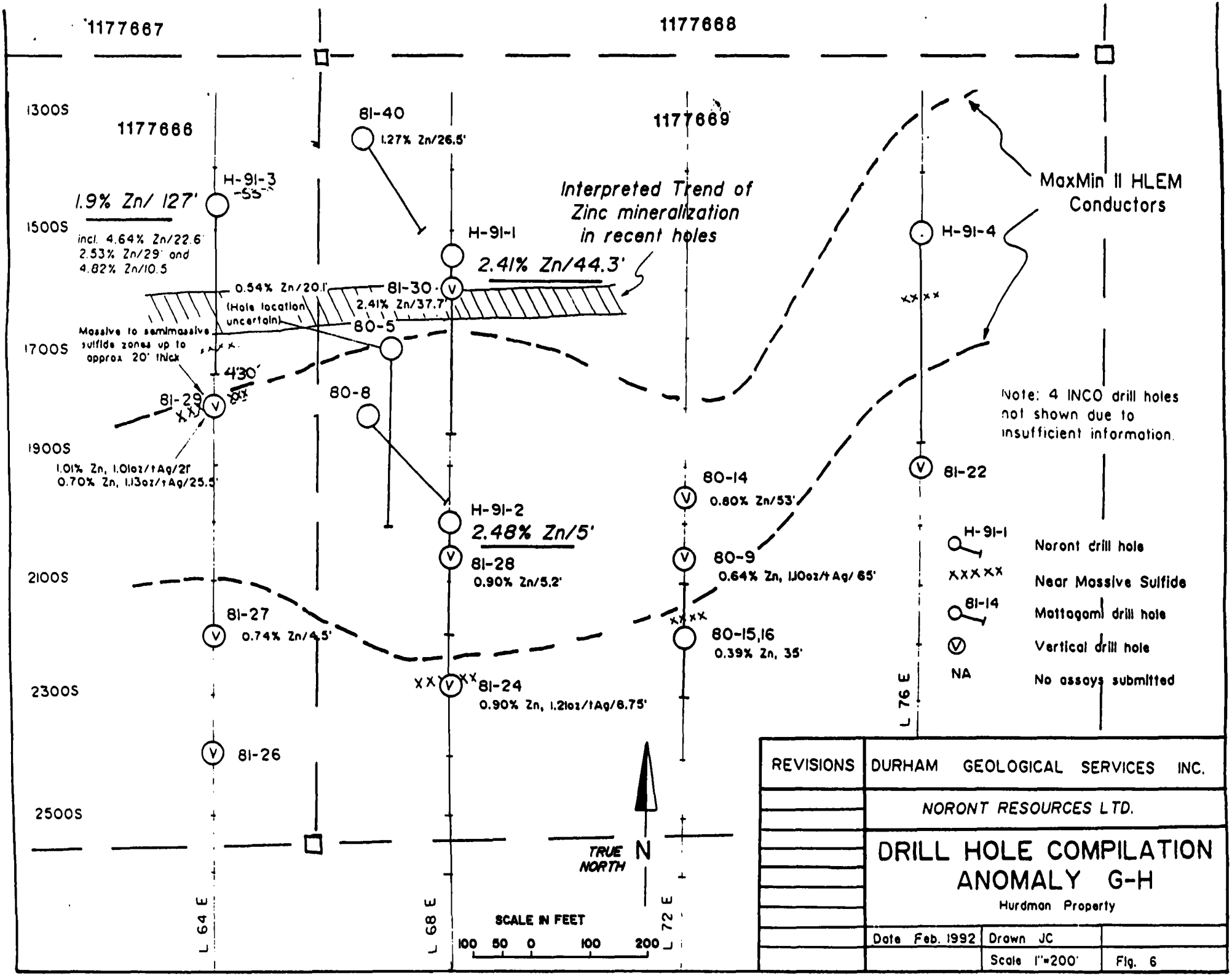
METERAGE		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE				ANALYTICAL RESULT					
From	To				Number	From	To	Length (m)	Au ppb	As ppm	Pb ppm	Zn ppm	Cu ppm	Ag ppm
107.7	131	Dike Swarm - Granitic, late-			6252	107.7	109.5	1.8	236			2580	114	74
		cs at 100.6. Massive uniform			6253	111.6	112.6	1.0	80			3880	112	6
		relatively barren, some chloritic												
		brecciated sections (contact zones?)												
		occasional gneiss inclusions												
		113.-116.5' scattered, very pale												
		sphalerite in chloritic phase of												
		dike.												
		gneiss inclusions and cts of dike	~20°											
		120 - 125.5 chloritic fault, breccia												
		filling along ct of dike												
		ct parallel to CA @ 123.2												
		EOH 131												

ASSOCIATION OF CANADA
R. B. [illegible]
PROVINCE OF ONTARIO

Bruce [illegible]



REVISIONS	DURHAM GEOLOGICAL SERVICES INC.		
	NORONT RESOURCES LTD		
	DRILL HOLE H-91-3 L64E		
	Date Feb 91	Drawn HH	
		Scale 1"=50'	Figure 10



REVISIONS	DURHAM GEOLOGICAL SERVICES INC.		
	NORONT RESOURCES LTD.		
	DRILL HOLE COMPILATION ANOMALY G-H Hurdman Property		
	Date Feb. 1992	Drawn JC	
		Scale 1"=200'	Fig. 6

Durham Geological Services Inc.
P.O. Box 1330
Timmins, Ontario
P4N 7J8

DIAMOND DRILL HOLE LOG

PROJECT: NORONT RESOURCES LTD.

AREA: HURDMAN TWP.

CLAIM NUMBER: 1177669

CORE SIZE: BQ

DRILLED BY: NOREX DRILLING

LOGGED BY: BRUCE DURHAM

CORE STORED AT: TIMMINS CORE LIBRARY

OBJECTIVE: TEST MaxMin II anomaly
Located at 1750S.

HOLE NUMBER: H-91-4

LOCATION: L76E 1750S

AZIMUTH: 180°

DIP: -50°

DATES: December 15, 16 1991

CASING: 18M.

LENGTH: 107M.

DIP TESTS: 107M. -51°

DURHAM
GEOLOGICAL
SERVICES INC.

DIAMOND DRILL HOLE LOG

1/91-H91-4 P.1

METERAGE From	METERAGE To	ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sul-phides	SAMPLE Number	SAMPLE From	SAMPLE To	SAMPLE Length (m)	ANALYTICAL RESULT Au ppb	As ppm	Pb ppm	Zn ppm	Cu ppm	Ag ppm
0	18.5'	Casing												
18.5'	28.0	Pegmatoid Dike (+biotite)												
		some gneiss inclusions												
		26-28 white qtz + feld.												
28.0	34.3	Hb-ga-sil-actin-musc trem.			6254	33.1	34.1	1.0	171			514	228	10
		gneiss - occasional gahnite.												
		strong gneissosity	65°											
34.3	40.3	Siliceous Alteration Zone FNMS			6255	34.1	35.0	0.9	221			654	190	10
		Near massive sulfides consist			6256	35.0	36.1	1.1	148			590	644	40
		of po+lesser py. Sulfide grains			6257	36.1	37.0	0.9	974			234	682	126
		up to 2cm in size.			6258	37.0	37.8	0.8	644			8760	234	40
					6259	37.8	39.5	1.7	0.082oz			4960	536	20
		35'-36 NMS + Cordierite			6260	39.5	40 2	0.7	75			4900	340	32
		37.1-37.6 Black chloritic shear												
		containing light colored sph, 1% galena.												
		37.7 possible fold.												
		39.7 10cm chloritic shear.												
		Lower ct broken.												
40.3	42.9	Pegmatoid ~~Gneiss~~ Dike												
		Late granitic dike												
		Lower ct of dike cuts gneiss @ 80°												
		cuts CA at	40°											

DURHAM
GEOLOGICAL
SERVICES INC.

DIAMOND DRILL HOLE LOG

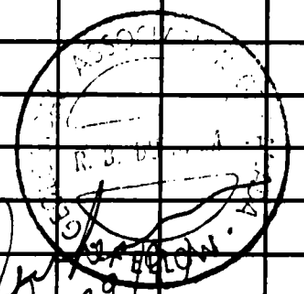
METERAGE		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sulphides	SAMPLE				ANALYTICAL RESULT					
From	To				Number	From	To	Length (m)	Au ppb	As ppm	Pb ppm	Zn ppm	Cu ppm	Ag ppm
		43.6 cntct in gneiss.												
		44.8-44.0 pegmatoid												
42.9	50.5	Hb-bi gtz feld gneiss												
		Hb in matrix and as clots												
		and occasional bands to 2 or 3cm.												
50.5	72.0	Bi-Ga-gtz-feld gneiss - minor Hb.	60-65											
		occasional bleached sections contain.												
		musc and tremolite												
		57.3-57.75 Cg pink dike												
		58.0-58.5 bleached + musc. cntct												
		61.95-62.7 Peg - pink + bi												
		- cuts gneissosity												
		62.7-67.4 weak epidote, bleaching,												
		of bi makes gneiss a light green colour.												
		very gradational lower ct.												
72.0	84.5	Hb-bi-gtz-feld gneiss	65-70											
		weakly magnetic.												
		wk banding occ hb clots and bands.												
		occ. qz rich bands (no mg)												

DURHAM
GEOLOGICAL
SERVICES INC.

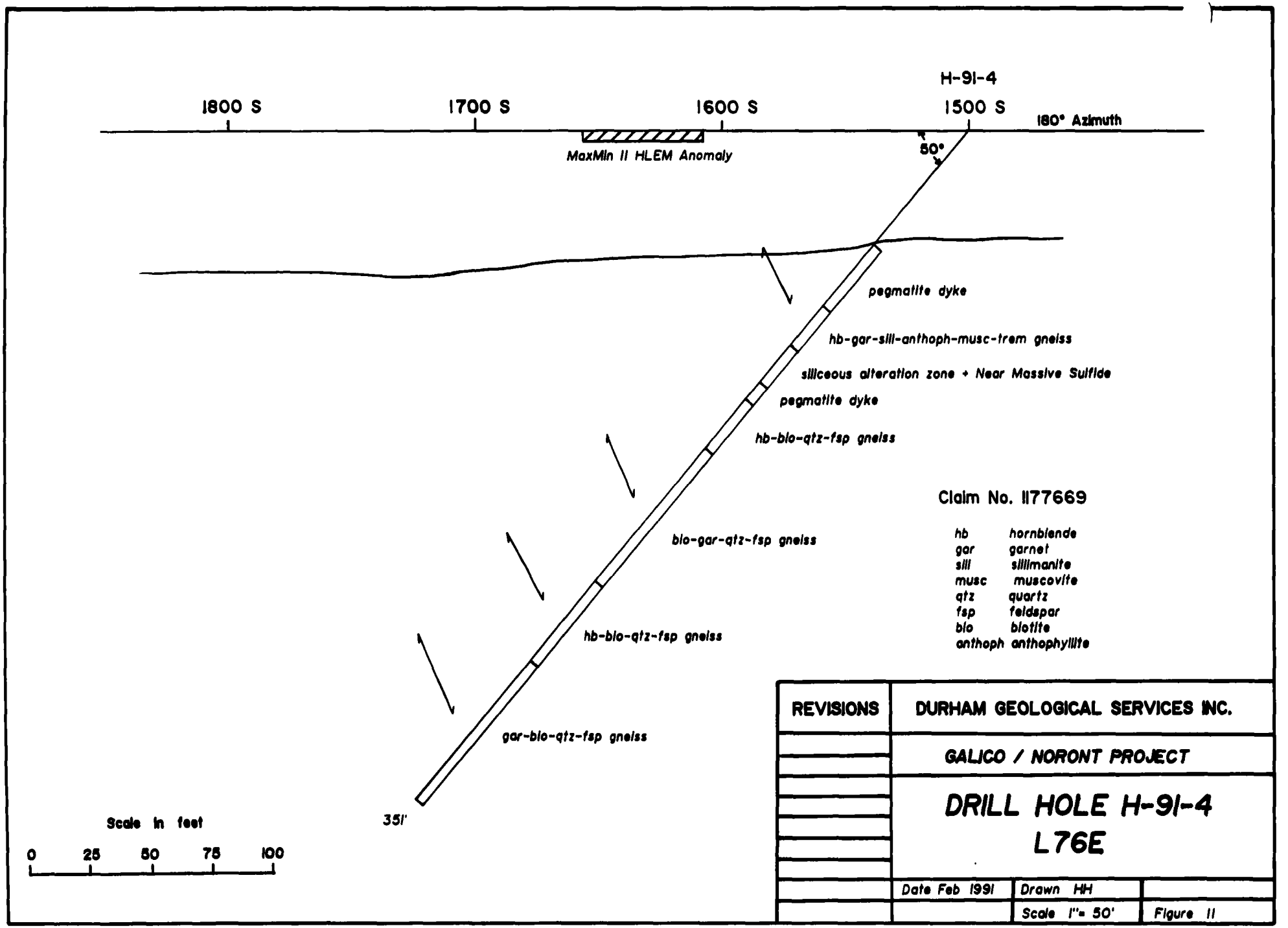
DIAMOND DRILL HOLE LOG

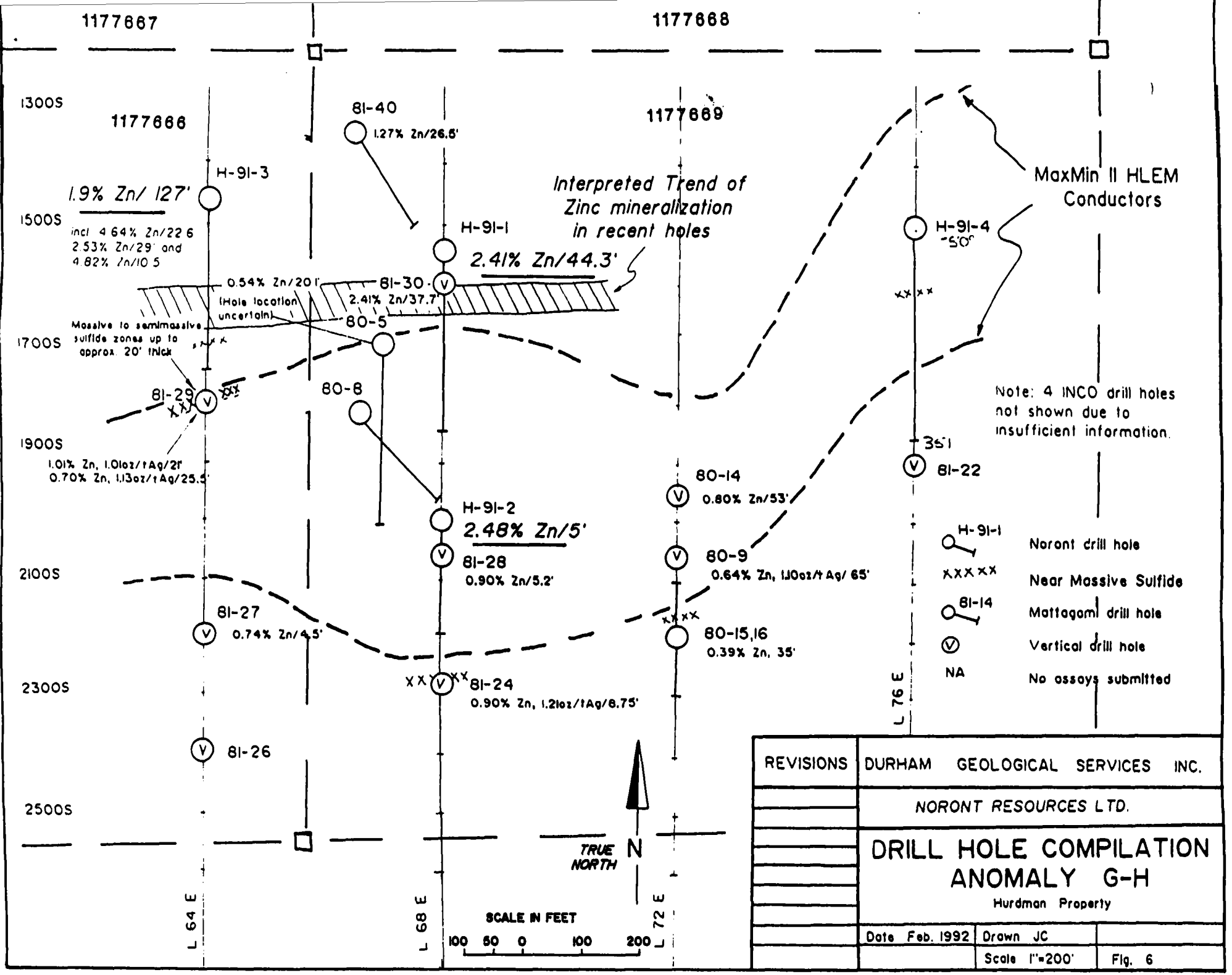
4-91-4p3.

METERAGE		ROCK TYPE AND DESCRIPTION	Core Angle to Axis	% Sul-phides	SAMPLE				ANALYTICAL RESULT					
From	To				Number	From	To	Length (m)	Au ppb	As ppm	Pb ppm	Zn ppm	Cu ppm	Ag ppm
		Fol. Gneissosity disrupted at 70.8												
		75.9-76.6 Pink Cg dike												
84.5'	107	Cg-bi-gt-feld gn. (occ trem)	60-65°											
		Cg to 10% in places												
		occ hb clots and bands.												
		99.5' - 20 cm Peg dike												
		101 40 cm Peg dike												
		EOH.												



Bruce Hewitt


H-91-4
1800 S
1700 S
1600 S
1500 S
180° Azimuth
MaxMin II HLEM Anomaly
50°
pegmatite dyke
hb-gar-sill-anthoph-musc-trem gneiss
siliceous alteration zone + Near Massive Sulfide
pegmatite dyke
hb-bio-qtz-fsp gneiss
bio-gar-qtz-fsp gneiss
hb-bio-qtz-fsp gneiss
gar-bio-qtz-fsp gneiss
351'
Claim No. 1177669
hb hornblende
gar garnet
sill sillimanite
musc muscovite
qtz quartz
fsp feldspar
bio biotite
anthoph anthophyllite
Scale in feet
0 25 50 75 100
REVISIONS
DURHAM GEOLOGICAL SERVICES INC.
GALICO / NORONT PROJECT
DRILL HOLE H-91-4
L76E
Date Feb 1991
Drawn HH
Scale 1"= 50'
Figure 11


1177667
1177668
1177666
1177669
1300S
1500S
1700S
1900S
2100S
2300S
2500S
L 64 E
L 68 E
L 72 E
L 76 E
H-91-3
1.9% Zn/ 127'
incl 4.64% Zn/22.6
2.53% Zn/29' and
4.82% Zn/10.5
81-40
1.27% Zn/26.5'
H-91-1
2.41% Zn/44.3'
Interpreted Trend of
Zinc mineralization
in recent holes
MaxMin II HLEM
Conductors
H-91-4
-50°
0.54% Zn/20.1'
81-30
2.41% Zn/37.7'
(Hole location
uncertain)
80-5
Massive to semimassive
sulfide zones up to
approx. 20' thick
81-29
1.01% Zn, 1.0oz/tAg/21'
0.70% Zn, 1.13oz/tAg/25.5'
80-8
H-91-2
2.48% Zn/5'
81-28
0.90% Zn/5.2'
81-27
0.74% Zn/4.5'
81-24
0.90% Zn, 1.2oz/tAg/6.75'
81-26
80-14
0.80% Zn/53'
80-9
0.64% Zn, 1.10oz/t Ag/ 65'
80-15,16
0.39% Zn, 35'
351
81-22
Note: 4 INCO drill holes
not shown due to
insufficient information.
H-91-1
Noront drill hole
Near Massive Sulfide
81-14
Mattagami drill hole
Vertical drill hole
NA
No assays submitted
TRUE
NORTH
N
SCALE IN FEET
100 50 0 100 200
REVISIONS
DURHAM GEOLOGICAL SERVICES INC.
NORONT RESOURCES LTD.
DRILL HOLE COMPILATION
ANOMALY G-H
Hurdman Property
Date Feb. 1992
Drawn JC
Scale 1"=200'
Fig. 6

A.F.

Ministry of Northern Development Mines
Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number: W9360.00210

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

42H12SW0015 W9360.00210 HURDMAN

900

Instructions:
- Please type or print and submit in duplicat
- Refer to the Mining Act and Regulations fc 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): Norcast Resources Ltd		Client No.: 176367
Address: 1210-111 Richmond St. W. Toronto M5H2G4		Telephone No.: 416 864 1456
Mining Division: Porcupine	Township/Area: Hurdman Twp.	M or G Plan No.: M 509
Dates Work Performed — From: Dec 5/91	To: Dec 15/91	

Work Performed (Check One Work Group Only)

	Work Group	Type
	Geotechnical Survey	
	Physical Work, Including Drilling	Diamond Drilling
	Rehabilitation	
	Other Authorized Work	
	Assays	
	Assignment from Reserve	

ONTARIO GEOSCIENCE SURVEY
GIS - ASSESSMENT FILES
MAR 2 8 1994
RECEIVED

Total Assessment Work Claimed on the Attached Statement of Costs $ 21889

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
Norex Drilling LTD	Box 88 Porcupine, Ont P0N1C0

RECORDED
DEC 0 3 1993
Receipt

(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: Dec 1/93 — Recorded Holder or Agent (Signature): R Bruce Durham

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: R Bruce Durham Box 1330 Timmins Ont P4N 7B8

Telepone No.: 705 268 8822 — Date: Dec 1/93 — Certified By (Signature): R Bruce Durham

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Recorded
$21,889	Dec 3, 1993		RECEIVED DEC 3 1993 345 C K PORCUPINE MINING DIVISION
	Deemed Approval Date: MAR. 3, 1994	Date Approved: JAN. 19, 1994	
	Date Notice for Amendments Sent		

0241 (03/91)

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
1	P1177669	1	16746	0	0	$16746
	P1177666	1	5143.	0	0	5143.
	2.		21889	0	0	21889
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

0241 (03/91)

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

1. ☐ Credits are to be cut back starting with the claim 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 priorized on the attached appendix.

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 agreements, 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

Ministry of Northern Development and Mines

Ontario

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: W9360.00210

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 quesiton sur la collece de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4e 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		
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type: Drilling	18655	
			18655
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
	Total Direct Costs Total des coûts directs		18655

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		
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démobilisation		3234	3234
	Sub Total of Indirect Costs Total partiel des coûts indirects		3234
	Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)		
	Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs) / **Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)**		21889

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	Évaluation totale demandée
× 0.50 =	

RECEIVED
DEC 3 1993
PORCUPINE MIN. DIV. SUDBURY

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 R Bruce Duchaux 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.

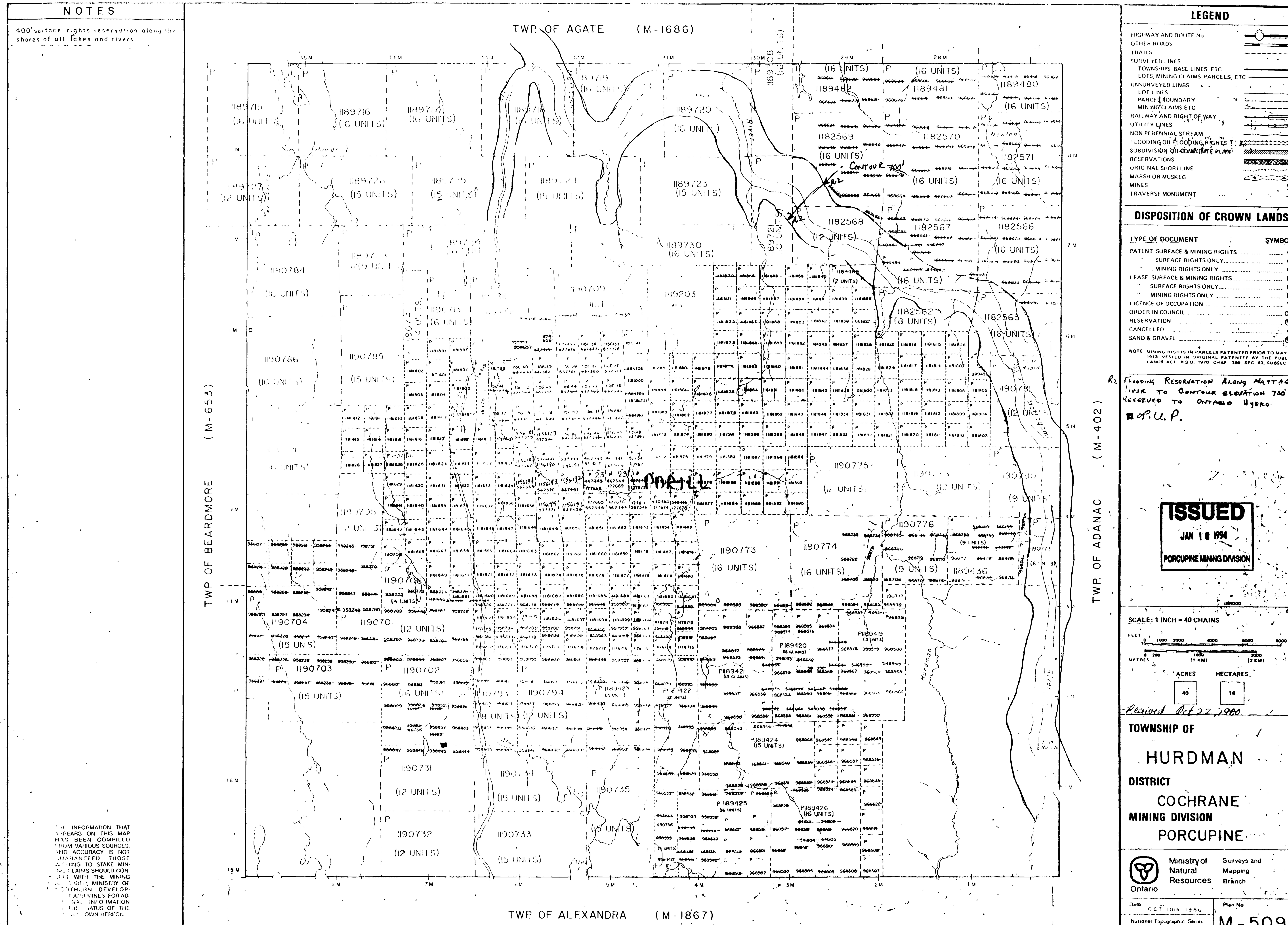
Et qu'à titre de _____ je suis autorisé
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature	Date
R Bruce Duchaux	Dec 1/93.

0212 (04/91)

Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.



M-509

TWP. OF HURDMAN

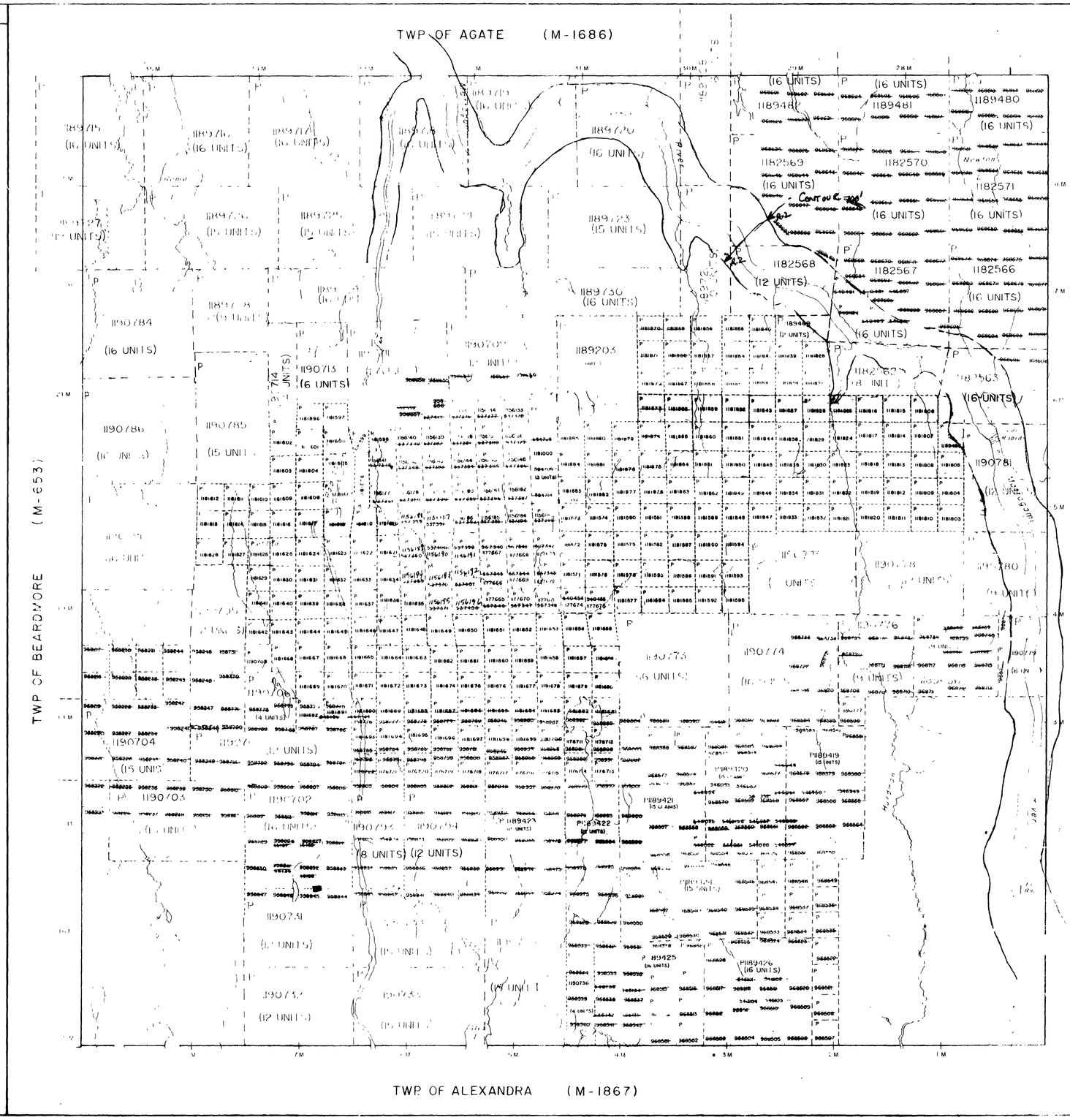
42I12NW0015 23 HURDMAN

200

NOTES

400' surface rights reservation along the shores of all lakes and rivers

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



LEGEND

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

DISPOSITION OF CROWN 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	OC
RESERVATION	Ⓡ
CANCELLED	Ⓒ
SAND & GRAVEL	Ⓢ

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1

R2 FLOODING RESERVATION ALONG MATTAGAMI RIVER TO CONTOUR ELEVATION 700 FT RESERVED TO ONTARIO HYDRO.

■ P.U.P.

ISSUED
JAN 10 1994
PORCUPINE MINING DIVISION

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000
METRES 0 200 1000 (1 KM) 2000 (2 KM)

ACRES	HECTARES
40	16

Revised Dec 22, 1993

TOWNSHIP OF

HURDMAN

DISTRICT

COCHRANE

MINING DIVISION

PORCUPINE

Ministry of Natural Resources — Surveys and Mapping Branch

Ontario

Date — Plan No.

National Topographic Series

M-509