42A01NE0074 OP92-312 TECK

N.T.S.:- 42 A/1

RPT. NO. S-92-4

Latitude: 48 11

Longitude:80 06

REPORT ON DIAMOND DRILLING

ON THE

H.A. MOORE PROPERTY

SOUTH GROUP, WEST BLOCK

TECK TOWNSHIP

KIRKLAND LAKE AREA

LARDER LAKE MINING DIVISION

ONTARIO

FOR

H.A. MOORE

F.J. SHARPLEY

OCTOBER 1992

42A01NE0074 OP92-312 TECK

TABLE OF CONTENTS

		PAGE
	SUMMARY	
1.0	INTRODUCTION	6
2.0	PROPERTY	7
	2.1 Claims	7
	2.2 Location and Access	8
	2.3 Topography	9
3.0	EXPLORATION HISTORY	10
	3.1 Regional History	10
	3.2 Property History	11
	3.3 Recent Regional Activity	12
4.0	GEOLOGY	13
	4.1 Regional Geology	13
	4.2 Property Geology	14
5.0	MINERALIZATION	15
	5.1 Regional Mineralization	15
	5.2 Property Mineralization	16
6.0	CURRENT WORK CARRIED OUT	18
	6.1 Diamond Drilling	18
7.0	DISCUSSION OF RESULTS	20
	7.1 Diamond Drilling	20
8.0	CONCLUSIONS AND RECOMMENDATIONS	21
9.0	REFERENCES AND SELECTED BIBLIOGRAPHY	23
11.0	CERTIFICATE OF QUALIFICATIONS: F.J. SHARPLEY	24

APPENDIX I: LIST OF FIGURES page 25

Figure I: Location Map
Figure 2: Property Map
Figure 3: Regional Geology
Figure 4: Topographic Map

APPENDIX II: LIST OF TABLES 26

Table 1: Rock Geochemistry-South Group, West Block 27

APPENDIX III: DIAMOND DRILL HOLE LOGS 29

APPENDIX IV: LIST OF MAPS 30

Map No.		Scale
	South Group - West Sheet	
S-91-6-01	Topography Map (Diamond Drill Plan)	1"=400'
S-91-6-16	Compilation Map	1"=400'
S-91-6-15	Section Kerr-Addison-65-2,3	1"=100'
S-92-4-01	Section 34W	1"=100'
S-92-4-02	Section 36W	1"=100'

APPENDIX V: ASSAYS 31

APPENDIX VI: PROJECT EXPENDITURES 32

Extracted by OPAP evaluator - GCB

APPENDIX VII: PROPOSED DDH's - 1993 34

LIST OF MAPS IN POCKET

Map No.		Scale
	South Group-West Block72	
S-92-4-01	Section 34W	1"=50'
S-92-4-02	Section 36W	1"=50'

SUMMARY

The H.A. Moore Property consists of 9 non-patented mining units in two groups located in Teck Township, Ontario. The North and South Group are situated within the Kinojevis Group of volcanic rocks 3 miles north of the Kirkland Lake Fault and immediately west of the Amikougami Fault which forms part of the Abitibi subprovince of the Archean Superior Province of the Precambrian Shield.

During 1991 H.A. Moore carried out 6.5 line miles of magnetometer, VLF-EM and geological surveys on the picket line grid at 200 foot intervals. Humus geochemistry for copper, zinc, lead and gold covered the VLF-EM anomalies. Two line miles of a horizontal loop electromagnetic survey covered the north half of the grid. One line mile of a vertical loop electromagnetic survey covered the northern part of the grid.

During the period from September 23-25,1992 two diamond drill holes totalling 660 feet were drilled on the South Group, West Block of the property to test coincident VLF-EM and zinc and separate gold geochemical anomalies.

In the current drilling program hole No. TK-92-1 encountered four bands of graphitic tuff varying from 20-50 feet interbanded with calc-alkalic crystal tuff varying up to 100 feet in width. The two graphitic bands closest to the contact between magnesium-rich tholeiitic basalt and iron-rich tholeiitic basalt have low but

significant zinc values. At the above contact from 290.2 to 293.2 feet assayed 1% Zn over 3 feet in graphitic tuff. The average from 169.0 to 187.4 feet assayed 0.11% Zn over 18.4 feet in graphitic tuff. Gold assays on the property are negative. These intersections more or less line up with the intersections in Kerr Addison hole No. 65-2 (1200 feet to the west) which assayed 0.06% Cu and 0.50% Zn over 32.0 feet in graphitic tuff.

The favorable geological environment is interflow sediments and or breccia at or near the contact between iron-rich and magnesium-rich tholeiitic basalt.

Induced polarization and vertical loop electromagnetic surveys using 100 foot spreads are recommended to more effectively define the conductors on the north half of the property. Additional diamond drilling of 700 feet in two holes on Section 42W is also recommended.

The cost of the above exploration program is $15,000.

1.0 INTRODUCTION

The diamond drilling of two holes on the South Group - West Block of claims in Teck Township on behalf of H.A. Moore under the Ontario Prospectors Assistance Program has been completed. The diamond drilling was designed to evaluate the economic potential of the claim groups. The targets drilled were VLF-EM anomalies with related zinc and gold in humus geochemical anomalies.

2.0 PROPERTY

2.1 Claims

The Teck Township property consists of 9 non-patented mining units divided into two groups located in Teck Township in the Larder Lake Mining Division of Northeastern Ontario.

The two claim groups appear on claim map M-392 and are shown on Figure 2. The claim groups are as follows:

North Group:- 2 claims

L-1135907 and L-1135908

South Group:- East Block: 3 claims

L-1137446, L-1137447 and L-1137448

South Group:- West Block: 4 claims

L-1180100 to L-1180103 inclusive

The claims total 360 acres and are registered in the name of H.A. Moore.

2.2 Location and Access

The Teck Township property is located 4 miles west of Kirkland Lake, Ontario.

The property is accessible from highway 112 at Chaput Hughes for two miles west along the Goldthorpe road, then one mile north on a bush road to the dam on the Amikougami Creek. The South Group is accessible by trail 700 feet west of the dam.

One mile west of the Amikougami Creek on the Goldthorpe road, a bush road extending north of Lois Lake gives access to the southwest corner of the South Group - West Block. This is the route used to mobilize the drill.

2.3 Topography

The topography on the South Group is more gently rolling with a difference in elevation of 50-100 feet.

The tree cover is mixed with poplar, birch, elm, alder and jack pine.

The climate is typical of northern Ontario with snow cover and cold weather from mid November until May.

3.0 EXPLORATION HISTORY

3.1 Regional History

Mining activity in the Kirkland Lake area resulted in intensive prospecting for precious metals in Teck Township in the 1920's and 1930's.

The first geological observations were recorded in 1916 by Burrows and Hopkins but this report mainly concerned the Goodfish Lake area. The first basic source of geological information is Map 30C by D.G.H. Wright (1921) published the Ontario Department of Mines. Burrows and Hopkins (1923) published the well known Map 32e, scale 1 inch to 1/2 mile of the Kirkland Lake gold area in Ontario Mines Vol. 32, pt.4, p. 1-52.

The Geology of Teck Township and the Kenogami Lake Area, Kirkland Lake Gold Belt and Geology of the Main Ore Zone at Kirkland Lake was published in 1950 by Thomson et al for the Ontario Department of Mines Annual Report for 1948, Volume 57, Part 5.

The Geological Survey of Canada published the Larder Lake Map 47G and the Kirkland Lake Map 289G in 1948 illustrating the aeromagnetics of the area on a scale of one inch to one mile.

The Ontario Geological Survey published an airborne electromagnetic and magnetic survey of Teck Township in 1979 on a

scale of one inch to 20,000.

3.2 Property History

There is no record of any assessment work carried out on the ground covered by the South Group - East Block of claims although numerous old trenchs are in evidence on the Teck Township geological map (1/4 mile to the inch) by Thomson et al 1950.

The South Group - West Block of claims were covered with HEM, VLF-EM, magnetometer and geological surveys in 1980 by Texas Gulf Limited. In 1965 Kerr Addison Mines Limited drilled two diamond drill holes totalling 667 feet.

During 1991 H.A. Moore carried out 6.5 line miles of magnetometer, VLF-EM and geological surveys on the picket line grid at 200 foot intervals. Humus geochemistry for copper, zinc, lead and gold covered the VLF-EM anomalies. Two line miles of a horizontal loop electromagnetic survey covered the north half of the grid. One mile of a vertical loop electomagnetic survey covered the northern half of the grid.

3.3 Recent Regional Activity

Tundra Gold Mines Limited in 1989 at Winnie Lake in northwestern Teck Township intersected in drilling 119.6 feet of 1.67% Cu 1.78% Zn, 0.02 OPT Au and 0.33 OPT Ag. Drilling also intersected 73.8 feet of 2.58% Cu (ML&EN, April 1990). This occurrence is 1.5 miles west of the North Group in similar geological environment. Pamorex in 1990 optioned the property and carried out surface exploration. This property was inactive during 1992.

4.0 GEOLOGY

4.1 Regional Geology

The H.A. Moore Property composed of the North and South Group is situated in Teck Township, Ontario within the Kinojevis Group of volcanic rocks which forms part of the Abitibi Subprovince, Superior Province of the Canadian Shield (Figure 3). The Moore Property is located 3 to 4.5 miles north of the Kirkland Lake Fault and immediately west of the Amikougami fault.

The Kinojevis Group of rocks in this area are mainly composed of iron-rich and magnesium-rich tholeiitic volcanic rocks.

4.2 Property Geology

The H.A. Moore Property in Teck Township is situated within the Kinojevis Group of volcanic rocks. These volcanic rocks are composed of iron-rich and magnesium-rich basalts.

On the South Group the iron-rich tholeiitic volcanics are medium to coarse-grained dioritic to gabbroic basalts while the magnesium-rich basalts are andesitic to dacitic in composition.

A strike of the formations is east-west and the dip is steep to the north or south.

5.0 MINERALIZATION

5.1 Regional Mineralization

Kirkland Lake-type gold deposits have produced 23 million ounces of gold and 9 million ounces of silver from 48 million tons milled. The ore zone is 4 miles in strike length and in places 1 1/2 miles deep, occurs in Timiskaming Group syenites and trachytes (Lovell et al 1984).

Kirkland Lake-type gold ore is of three types: (1) Break ore consists of native Au in chloritic fault gouge or small quartz lenses within a prominent, subvertical, thrust-fault system traversing the entire Kirkland Lake area. (2) Vein ore consists of gold-bearing quartz veins in both hanging and footwalls of the Kirkland Lake fault system. Veins consist quartz, wallrock fragments, some dolomite and calcite, 2 to 3 percent disseminated pyrite, precious and base-metal telluride minerals and fine native gold. Molybdenite with or without graphite coats fractures in the quartz. (3) Breccia ore occurs in several relatively wide zones (up to 15m) in the deep western part of the area. The zones consist of very fractured, bleached, silicified and pyritized rock containing lenses and pods of quartz with native Au and telluride minerals. Molybdenite coats fractures throughout.

The gold deposits of the Kirkland Lake area are in Archean volcanic and sedimentary rocks which have been intruded by a

composite syenite stock plunging eastward (Watson et al 1983).

5.2 Property Mineralization

Mineralization on the H.A. Moore Property in Teck Township is associated with three types of geological environment as follows:

1) Interflow Sediments and or breccia along the contact between iron-rich tholeiites and magnesium-rich tholeiites.
2) East-West structures related to the Amikougami fault.
3) Graphitic and Pyritic Zones within the Basalts:

On the South Group - East Block, 1-2% disseminated pyrite and silicification is associated with an east-west structure in iron-rich tholeiite and magnesium-rich tholeiite.

Two diamond drill holes in 1965 by Kerr Addison Mines Limited intersected 80-100 feet of pyritic, graphitic tuff in a dacitic breccia on the South Group, West Block. The zone contains veinlets of quartz-carbonate and sphalerite with traces of

chalcopyrite and galena in hole No. 65-3. The best assay was 1.53% Zn over a core length of 5.0 feet. A section in hole No. 65-2 from 84.0 to 116.0 feet assayed 0.06% Cu and 0.50% Zn over a core length of 32.0 feet.

6.0 CURRENT WORK CARRIED OUT

6.1 Diamond Drilling

During the period from September 23-25,1992 Heath & Sherwood of Kirkland Lake, Ontario drilled two diamond drill holes for a total of 660 feet on claim L-1180100 of the South Group, West Block of the property.

Hole No. TK-92-1 was drilled on line 34+00W at 30+00N on an azimuth of 330 degrees at an angle of 50 degrees to a depth of 355 feet. The hole was spotted to investigate a VLF-EM anomaly with a coincident zinc in humus anomaly of 284 ppb Zn. This current drilling was initiated by H.A. Moore to follow-up on Kerr Addison hole No. 65-2 which intersected 0.06% Cu and 0.50% Zn over a core length of 32 feet in graphite tuff within dacite breccia.

Hole No. TK-92-2 was collared at 35+35W - 25+00N on an azimuth of 330 degrees and drilled at an angle of 50 degrees to a depth of 305 feet. The hole was planned to investigate a VLF-EM anomaly with a coincident gold in humus anomaly of 127 ppb Au.

A total of 23 split core samples were analyzed for gold by Bell-White Analytical Laboratories Ltd using the fire assay and atomic absorption method (ppb Au). In addition 16 of these samples were also assayed for copper, zinc, lead and silver using the atomic

absorption method (eg. ppm Cu). The diamond drill core was logged and split by the writer at the Kirkland Lake core library.

The drill holes were plotted on plan (Map No. S-91-6-01: Topography) at a scale of 1"=200' and reduced to 1"=400". The holes were also plotted on Section 34W and Section 36W on a scale of 1"=50' and reduced to 1"=100' (Map Nos. S-92-4-01,02).

A total of six 1991 surface rock samples were assayed. The results are shown in Table No. 1.

7.0 DISCUSSION OF RESULTS

7.1 Diamond Drilling

Hole No. TK-92-1 on Section 34W investigated the coincident VLF-EM and zinc in humus geochemical anomaly. The drill hole encountered four bands of graphite tuff varying from 20-50 feet in width interbanded with calc-alkalic crystal tuff varying up to 100 feet in width. The hole ended in medium to coarse-grained amphibolitic basalt. A section from 290.2 to 293.2 assayed 1% Zn over a width of 3 feet in graphitic tuff. The average from 169.0 to 187.4 is 0.110% Zn over a width of 18.4 feet in graphitic tuff. Within this section from 169.0 to 175.0 assayed 0.19% Zn over a width of 6.0 feet. Traces of sphalerite and chalcopyrite with 5% disseminated pyrite was noted in the graphitic tuff. The calc-alkalic crystal tuff is interpretated as magnesium-rich tholeiitic basalt while the amphibolitic basalt is interpretated as iron-rich tholeiitic basalt.

Hole No. TK-92-2 on Section 36W investigated the coincident VLF-EM and gold in humus anomaly. The drill hole encountered calc-alkalic basalt to the end of the hole with some narrow up to 5 foot interbands of graphitic tuff with 2-3% disseminated pyrite and 20% quartz-carbonate breccia. Traces of sphalerite and chalcopyrite were noted. The best assay was 0.35% Zn over 1.9 feet from 199.5 to 201.4 feet in interbanded graphitic tuff. The gold assays were negative.

8.0 CONCLUSIONS AND RECOMMENDATIONS

The South Group, West Block of the H.A. Moore Property in Teck Township, Ontario warrants further exploration for the base metals and gold.

The 1965 diamond drill hole by Kerr Addison intersected 0.50% Zn and 0.06% Cu over a core length of 32.0 feet within a pyritic, graphitic tuff situated within silicified basalt (dacite breccia). The tuff occurs over a width of 80-100 feet within 300 feet of the contact between a magnesium-rich basalt and an iron-rich basalt.

In the current drilling program hole No. TK-92-1 encountered four bands of graphitic tuff varying from 20-50 feet interbanded with calc-alkalic crystal tuff varying up to 100 feet in width. The two graphitic bands closest to the contact between magnesium-rich tholeiitic basalt and iron-rich tholeiitic basalt have low but significant zinc values. At the above contact from 290.2 to 293.2 feet assayed 1% Zn over 3 feet. The average from 169.0 to 187.4 feet assayed 0.110% Zn over 18.4 feet. These intersections more or less line up with the intersections in Kerr Addison hole 65-2 assaying 0.06% Cu and 0.50% Zn over 32.0 feet.

The favorable geological environment is interflow sediments and or breccia at or near the contact between iron-rich and

magnesium-rich tholeiitic basalt.

The present geophysical surveys on the property are incomplete. The conductors in the northern part of the property should be covered with an induced polarization survey using a 100 foot spread and with VEM using a 100 foot cable.

Additional geophysical surveys such as I.P. and VEM using 100 foot spreads is recommended together with 700 feet of drilling in two holes on Section 42W.

The cost of the above exploration program is $ 15,000.

Respectfully submitted,

F.J. Sharpley

Burlington Ontario

October 12,1992

REFERENCES

Goodwin John R. (1990)	Geophysical Report on Claim L-1135908 in Teck Township for Mr. H. Moore
Kunduri V. (1990)	Geophysical Report on the H.A. Moore Property Teck Township, Ontario.
Lovell Howard, Grabowski Gary, Guindon David (1984)	General Geology and Gold Deposits of Kirkland Lake-Larder Lake Area, Ontario.
OGS (1979)	Preliminary Map P.2263A & B Kirkland Lake Area; Teck Township Airborne Electromagnetic Survey Total Intensity Magnetic Map; 1:20,000
OGS (1979)	Kirkland Lake Data Series Teck Township Preliminary Map P.2007
OGS (1970)	Geological Compilation Series Timmins-Kirkland Lake Sheet Map 2205; 1"= 4 miles
OGS (1984)	Lithostratigraphic Map of the Abitibi Subprovince; Map 2484; 1:500,000
(1990)	Claim Map:- M392; 1"= 1/2 mile
Sharpley F.J. (1990)	Exploration Report on the H.A. Moore Property North and South Group, Teck Township, Kirkland Lake Area, Larder Lake Mining Division Ontario for H.A. Moore.
Sharpley F.J. (1991)	Exploration Report on the H.A. Moore Property South Group, West Block, Teck Township, Kirkland Lake Area, Larder Lake Mining Division Ontario for H.A. Moore.

Thomson Jas E. (1950) Charlewood G.H. Griffin K. Hawley J.E. Hopkins Harold MacIntosh C.G. Ogrizlo S.P. Perry O.S. Ward Wm. (1950)	Geology of Teck Township and Kenogami Lake Area Kirkland Lake Gold Belt Geology of the Main Ore Zone at Kirkland Lake Ontario Department of Mines Annual Report for 1948, Volume 57, Part 5
Watson G.P. Kerrick R. (1983)	Macassa Mine, Kirkland Lake Production History, Geology, Gold Ore Types and Hydrothermal Regimes. O.G.S. Misc. Paper 110; The Geology of Gold in Ontario.
(1986)	Airphotos: 1:20,000 86-4806: 02-122...124

CERTIFICATE OF QUALIFICATION

I, Frederick James Sharpley of the City of Burlington, Province of Ontario, do hereby certify;

1) That I am a consulting geologist and reside at 2372 Sinclair Circle, Burlington, Ontario, L7P 3C3.

2) That I graduated from the University of Saskatchewan, Saskatoon, Saskatchewan, holding a degree of Bachelor of Arts, Geology (1959).

3) That I am a Fellow of the Geological Association of Canada.

4) That I have practised my profession as a mineral exploration geologist for a period of 32 years.

5) That I have no financial interest in the H.A. Moore Property in Teck Township or do I expect to receive any.

6) That I personally was involved with the technical supervision of the work and the report.

F.J. Sharpley

Burlington Ontario.

October 12,1992

APPENDIX I:

LIST OF FIGURES

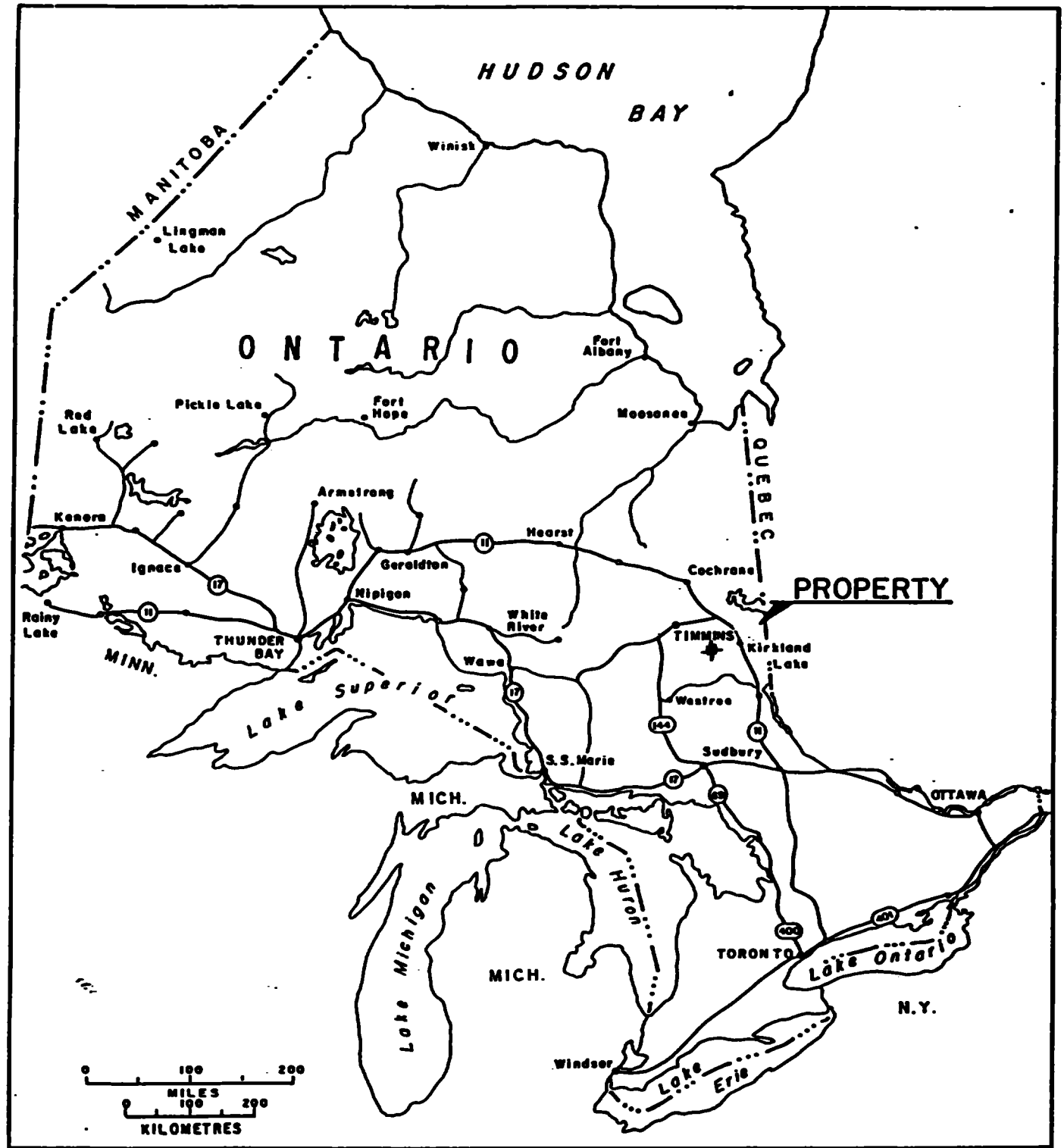


Fig. 1

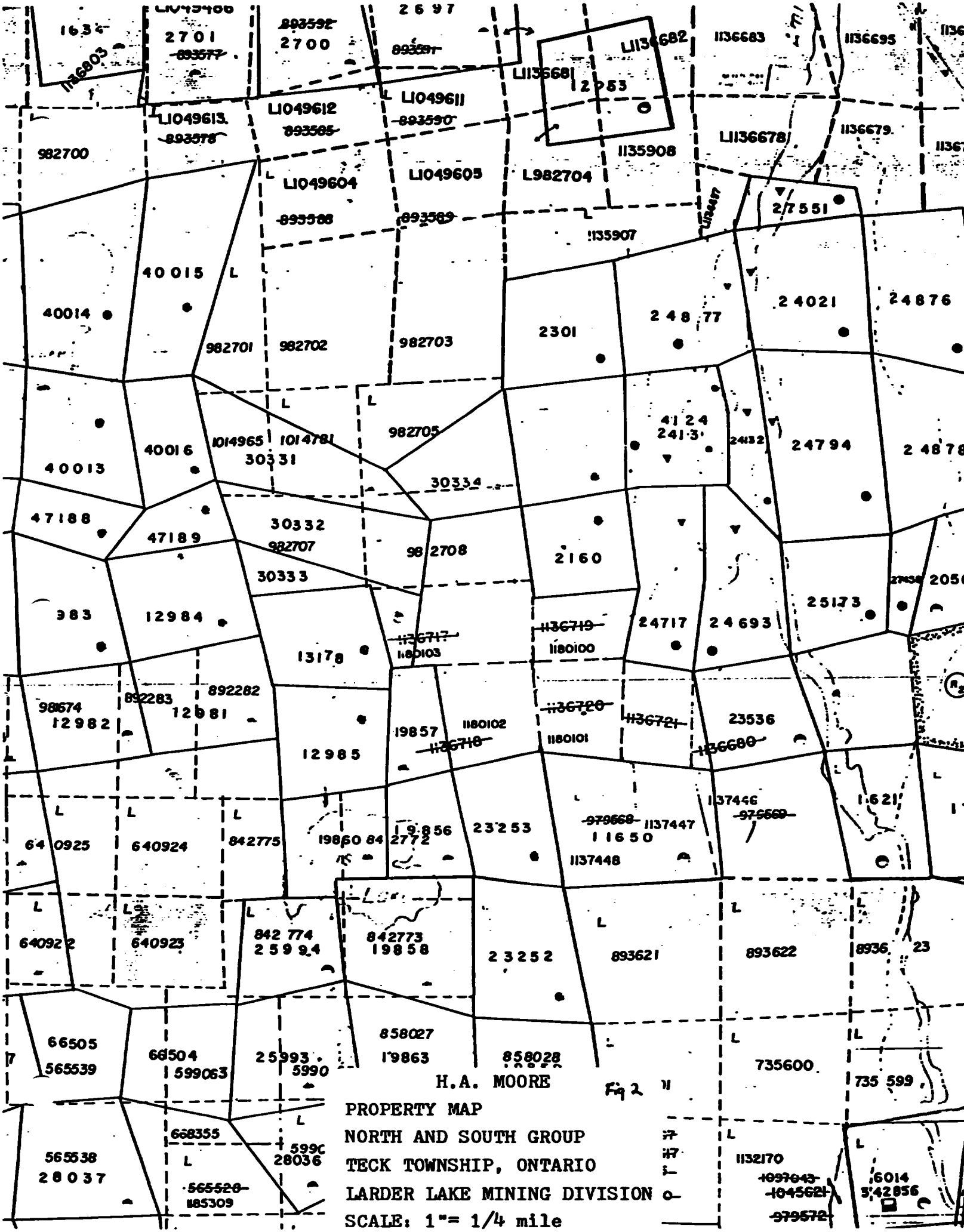
H.A. MOORE

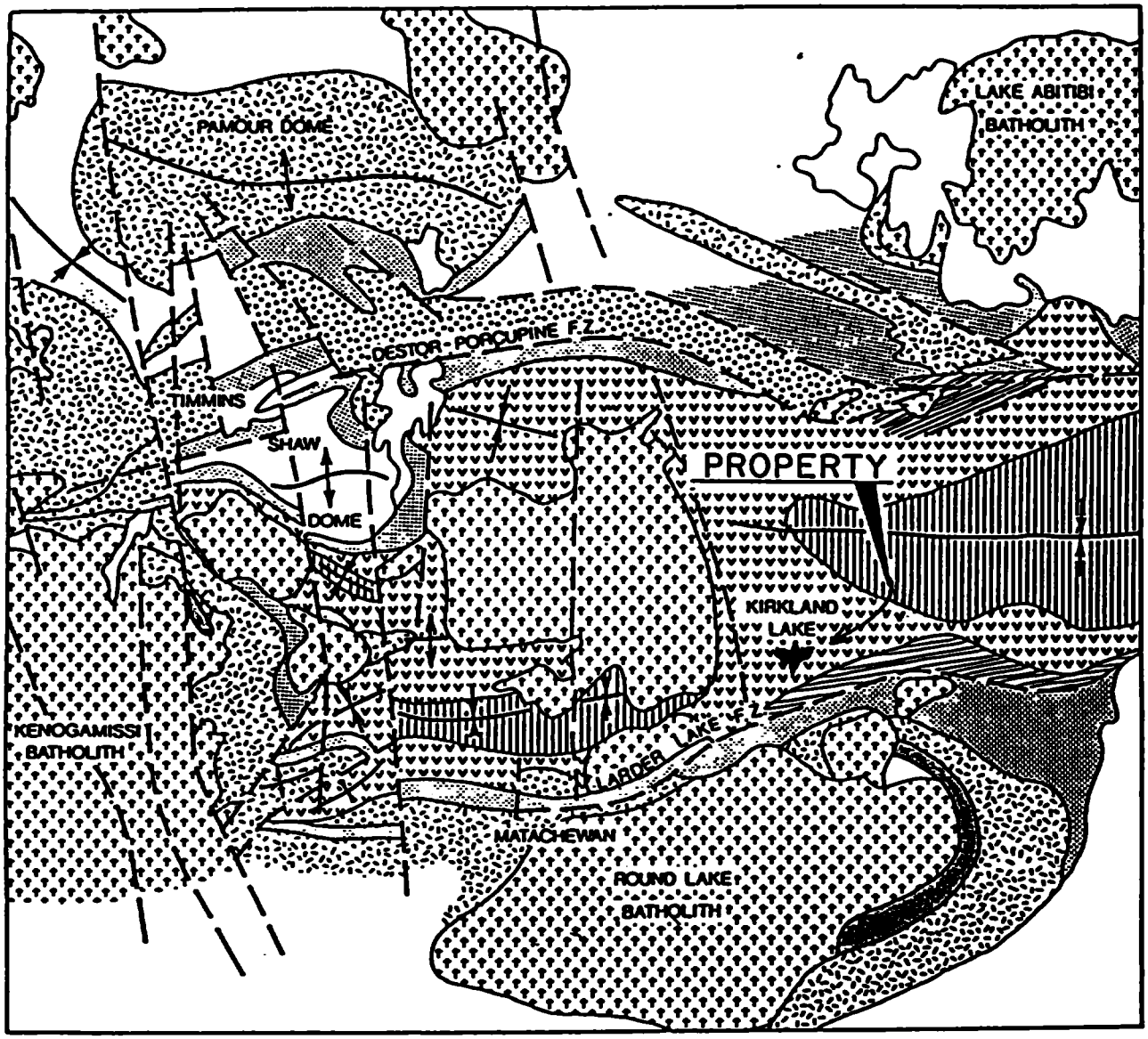
NORTH & SOUTH GROUP

TECK TWP., ONTARIO

LOCATION MAP

November, 1990 F. J. SHARPLEY


H.A. MOORE
Fig 2
PROPERTY MAP
NORTH AND SOUTH GROUP
TECK TOWNSHIP, ONTARIO
LARDER LAKE MINING DIVISION
SCALE: 1"= 1/4 mile



Geology of the Timmins-Kirkland Lake area (after Jensen 1978).

LEGEND

UPPER SUPERGROUP

- Altalic Volcanics (Timiskaming Group)
- Calcalkalic Volcanics (Blake River Group)
- Tholeiitic Volcanics (Kinojevis Group)
- Komatiitic Volcanics (Stoughton Roquemaure Group and Larder Lake Group)

LOWER SUPERGROUP

- Sedimentary Rocks (Porcupine Group)
- Calc-alkalic & Tholeiitic Volcanics (a.Skead & Catherine Group) (b.Hunter Mine Group)
- Komatiitic Volcanics (Wabewawa Group)

0 12 MI
0 20 Km

Fig.3

H.A. MOORE

NORTH & SOUTH GROUP

TECK TWP., ONTARIO

GEOLOGICAL MAP

November 1990 F. J. SHARPLEY

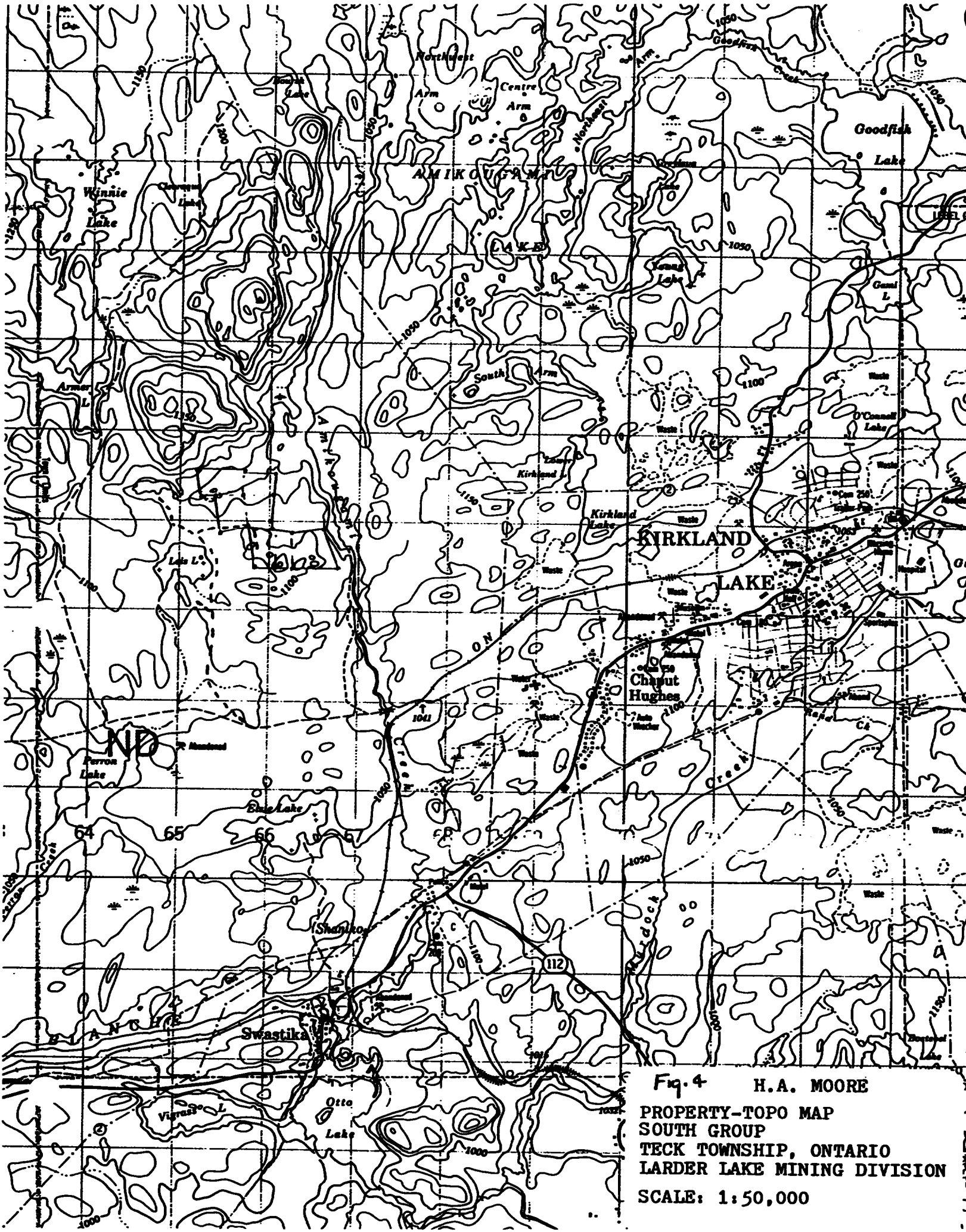


Fig. 4 H.A. MOORE

PROPERTY-TOPO MAP
SOUTH GROUP
TECK TOWNSHIP, ONTARIO
LARDER LAKE MINING DIVISION

SCALE: 1:50,000

APPENDIX II:

LIST OF TABLES

TABLE No.1 H.A. Moore-South Group, West Block
Teck Township, Ontario
Rock Geochemistry-grab samples

SPL.NO.	CO-ORDINATES	ROCK TYPE	% SULPH Py	ANOM NO.	ASSAYS PPB AU	REMARKS
1 F28661	34+00W-25+00N	Basalt			4	silicified str.
2 F28662	34+00W-27+00N	Basalt	1		5	silicified str.
3 F28663	34+00W-32+00N	Basalt			3	carbonatized st
4	32+00W-31+00N	Bas/Gab				diss.mag; cb.
5 F28664	32+00W-15+00N	Basalt	1		4	epidote;str.cb.
6 F28665	36+00W-16+00N	Basalt			3	epidote;str.cb.
	40+00W-15+00N	Gabbro				epidote;wk.cb.
7	38+00W-19+00W	Basalt				
8	46+00W- 8+00N	Bas/Gab				epidote
9	46+00W-14+00N	Gabbro				epidote;wk.cb.
10	46+00W-29+00N	Gabbro				diss.mag.
11	54+00W-20+35N	Basalt	1			cb.

TABLE No.1 H.A. Moore-South Group, West Block
Teck Township, Ontario
Rock Geochemistry-grab samples

SPL.NO.	CO-ORDINATES	ROCK TYPE	% SULPH Py	ANOM NO.	ASSAYS PPB AU	REMARKS
F28666	26+00W-10+50N	Basalt			5	str.sil;str.cb.
	26+00W-11+00N	Basalt	<1			str.cb.

Note: samples taken in 1991 but assayed in 1992

APPENDIX III:

DIAMOND DRILL HOLE LOGS

DIAMOND DRILL RECORD

NAME OF PROPERTY: H.A. MOORE

HOLE NO: TK-92-1 LENGTH: 355.0'

LOCATION: SOUTH GROUP-WEST BLOCK; TECK TWP. ONTARIO

LATITUDE: 30+00N DEPARTURE: 32+00W

ELEVATION: AZIMUTH: 330 DIP: -50

STARTED: SEPT. 23/92 FINISHED: SEPT. 24/92

FOOTAGE	DIP	AZ.	FOOTAGE	DIP	AZ.

HOLE NO.TK-92-1 SHEET NO. 1

REMARKS:

CLAIM NO. L-1180100

DRILL CONTRACTOR:
Heath & Sherwood

CORE SIZE: BQ

LOGGED BY: [signature]
9/28/92-9/29/92

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE %S	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS CU PPM	ASSAYS ZN PPM	ASSAYS PB PPM	ASSAYS AU PPB
0.0	33.6	OVERBURDEN:									
33.6	41.0	GRAPHITE:									
		black, fine-grained, massive graphite; 3-5% nodular pyrite < 1/2"; traces of sphalerite < 3%; irregular contact at 45 degrees to core axis;	F29101	3	33.6	36.6	3.0	177	918	51	14
41.0	62.6	INTERMEDIATE CRYSTAL TUFF: (CALC-ALKALIC)									
		medium grey color, fine-grained; 20-30% white feldspar crystals < 1/4", subrounded, zoned, with occassional split crystals; a few angular to subrouded fragments < 1/2 "; traces of pyrite; weakly calcareous.									
62.6	77.3	GRAPHITE: as above:	F29103	3	62.6	65.6	3.0	318	1186	28	15
			F29102	3	74.3	77.3	3.0	176	460	20	7
77.3	135.0	INTERMEDIATE CRYSTAL TUFF: (CALC-ALKAIC): as above									
		125.6 - 135.0 silicified zone: moderately silicified; 2-3% finely disseminated pyrite.	F29104	2	125.6	128.6	3.0				7
			F29105	2	128.6	131.6	3.0				3
			F29106	5	131.6	135.0	3.4				8
135.0	187.4	GRAPHITE: as above:									
		massive; 5% disseminated pyrite with blebs and stringers; traces of chalcopyrite and brown sphalerite.	F29107	2	135.0	138.0	3.0	143	922	20	10
			F29108	2	138.0	141.0	3.0	268	2061	21	11
		155.0 - 178.0 3-5% disseminated pyrite	F29109	3	169.0	172.0	3.0	196	1152	26	12
			F29110	5	172.0	175.0	3.0	388	2848	75	14
			F29111	2	181.4	184.4	3.0	370	1010	33	12
			F29112	1	184.4	187.4	3.0	266	1888	16	11

DIAMOND DRILL RECORD

NAME OF PROPERTY: H.A. MOORE

HOLE NO: TK-92-1 SHEET NO. 2 of 2

FOOTAGE		DESCRIPTION	SAMPLE					ASSAYS			
					FOOTAGE			CU	ZN	PB	AU
FROM	TO		NO.	%S	FROM	TO	TOTAL	PPM.	PPM.	PPM.	PPB.
187.4	285.0	INTERMEDIATE CRYSTAL TUFF: (CALC-ALKAIC): as above									
		subrounded to angular fragments, chert < 1"; granite < 2" (1 fragment only)									
285.0	293.2	GRAPHITE: as above:									
		70% graphite; 30% intermediate crystal tuff; sheared at 30 degrees to core axis.	F29113	2	290.2	293.2	3.0	274	10000	28	11
293.2	305.0	INTERMEDIATE BRECCIA: (CALC-ALKALIC)	F29114	2	293.2	296.2	3.0				7
			F29115	3	296.2	299.2	3.0				10
		light to medium grey, brecciated, fragments angular < 1".									
		295.0 - 298.0 light grey, silicified, cherty, angular fragments (1"; 2-3% finely disseminated pyrite.									
305.0	355.0	BASALT:									
		medium, greyish-green to dark greyish-green; fairly massive, uniform; flow; amphibolitic; medium to coarse grained; locally magnetic									
		331.0 - 336.3 silicified, 1-2% finely, disseminated pyrite at 30 degrees to core axis.	F29116	2	331.0	334.0	3.0				8
			F29117	1	334.0	336.4	2.4				15
	355.0	END OF HOLE:									
		Note: core stored at the Kirkland Lake core library.									

DIAMOND DRILL RECORD

FOOTAGE	DIP	AZ.	FOOTAGE	DIP	AZ.

HOLE NO.TK-92-2 SHEET NO. 1

NAME OF PROPERTY: H.A. MOORE

REMARKS:

HOLE NO: TK-92-2 LENGTH: 305.0'

CLAIM NO. L-1180100

LOCATION: SOUTH GROUP-WEST BLOCK; TECK TWP. ONTARIO

DRILL CONTRACTOR:
Heath & Sherwood

LATITUDE: 25+80N DEPARTURE: 35+35W

CORE SIZE: BQ

ELEVATION: AZIMUTH: 330 DIP: -50

LOGGED BY: [signature]
9/28/92-9/29/92

STARTED: SEPT. 24/92 FINISHED: SEPT. 25/92

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE %ZS	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS CU PPM	ASSAYS ZN PPM	ASSAYS PB PPM	ASSAYS AU PPB
0.0	49.0	OVERBURDEN:									
49.0	153.0	CALC-ALKALIC BASALT:									
		light grey, very fine-grained, fairly massive, uniform; silicified, hard; pervasive weakly calcareous.									
		60.0 - 61.0 weakly sheared white quartz-carbonate breccia at 70 degrees to core axis; limonite alteration; 3% disseminated pyrite; traces of chalcopyrite; graphitic.	F29118	3	58.0	61.0	3.0	247	746	25	7
		89.0 2" white quartz-carbonate vein at 70 degrees to core axis.									
		90.5 4" white quartz-carbonate vein-breccia at 45 degrees to core axis.									
		149.0 - 150.7 2" white quartz-carbonate breccia-vein at 10 degrees to core axis.									
153.0	199.5	CALC-ALKALIC LAPPILLI TUFF:									
		light grey, very fine-grained, rounded to subrounded fragments <1/4"; fairly massive, uniform.									
		153.0 - 154.3 sheared white quartz-carbonate breccia at 60-70 degrees to core axis; 2% disseminated pyrite; graphitic.	F29119	1	153.0	154.3	1.3	328	596	41	14
199.5	295.0	CALC-ALKALIC BASALT: as above:									
		graphitic locally.									

DIAMOND DRILL RECORD

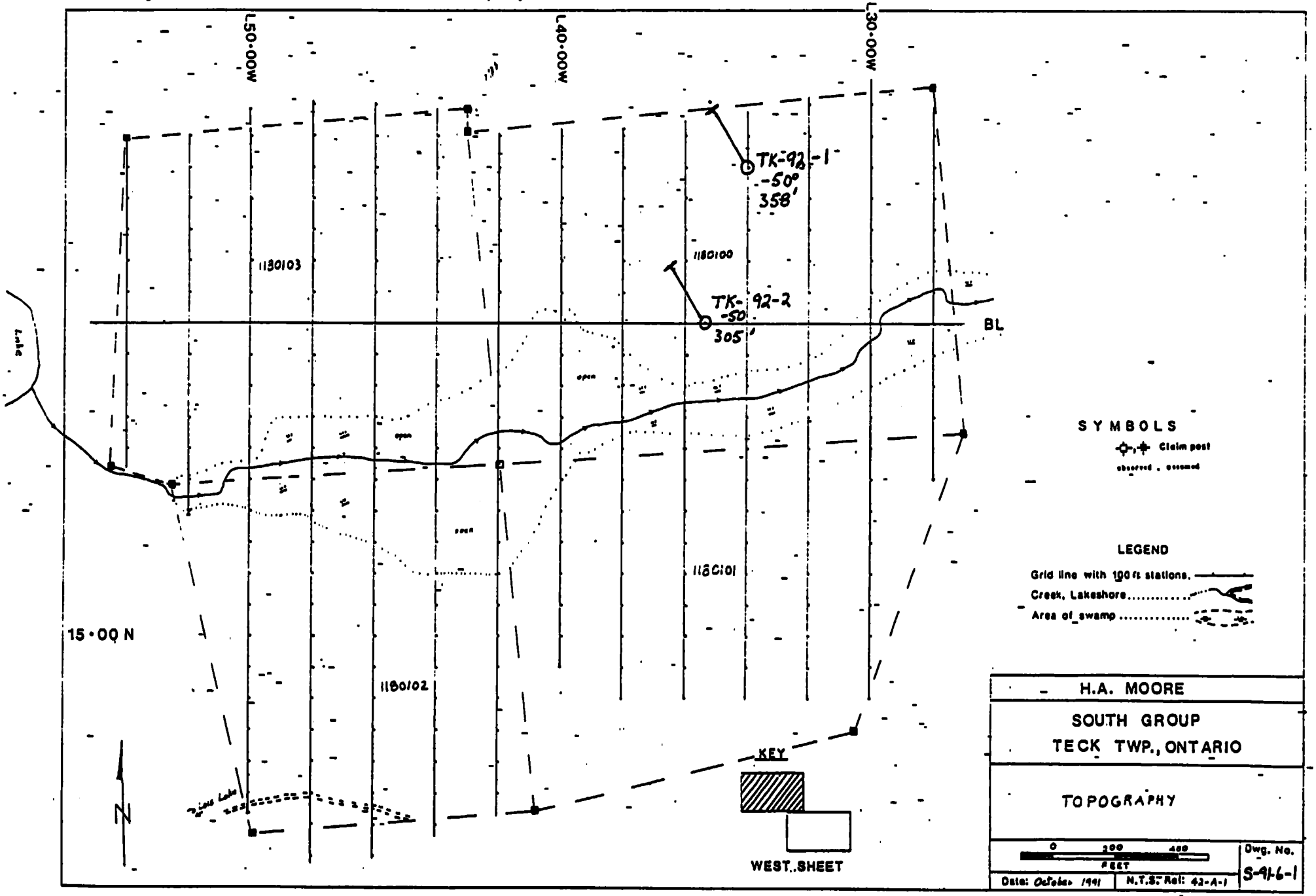
NAME OF PROPERTY: H.A. MOORE

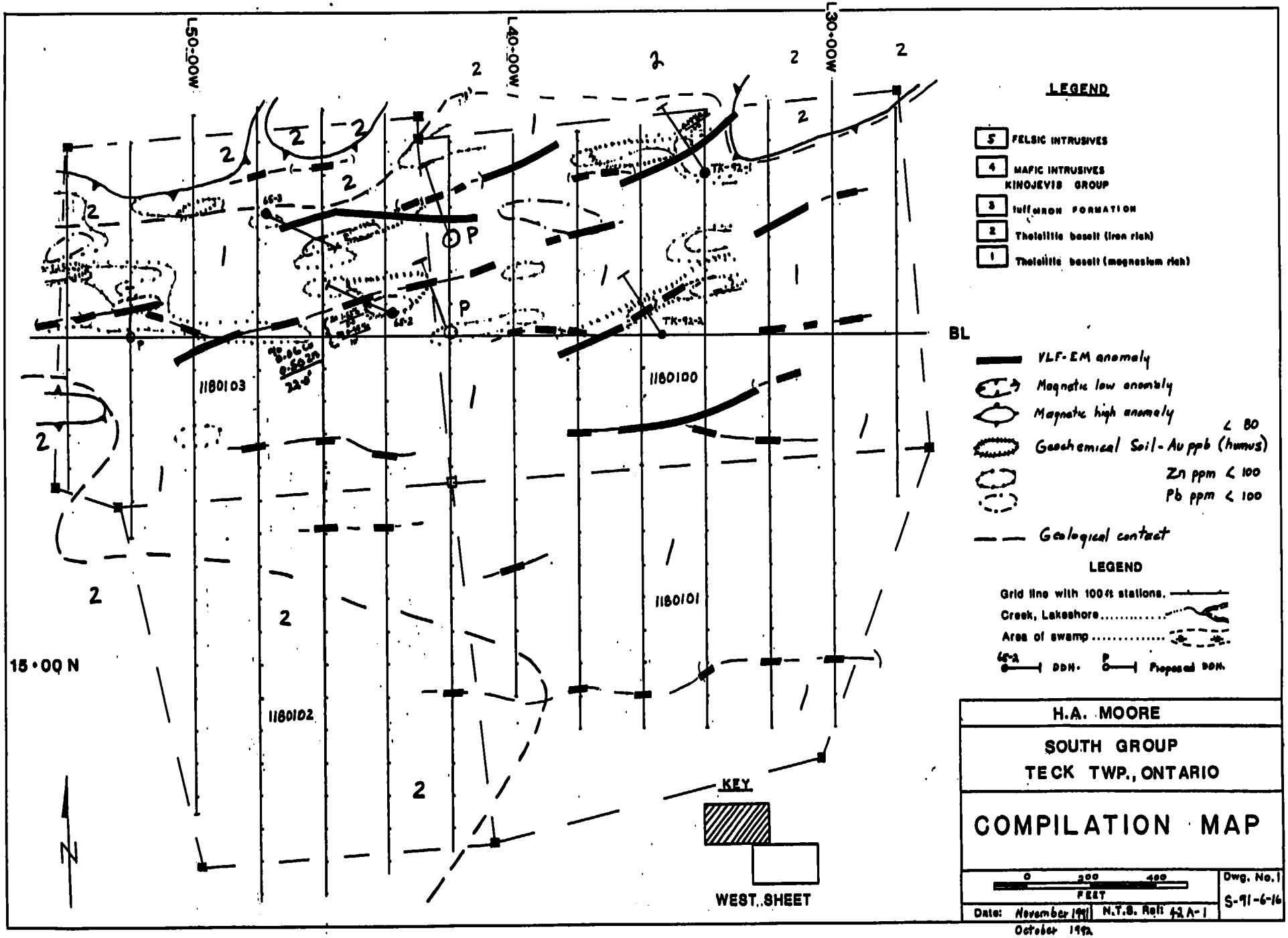
HOLE NO: TK-92-2 SHEET NO. 2 of 2

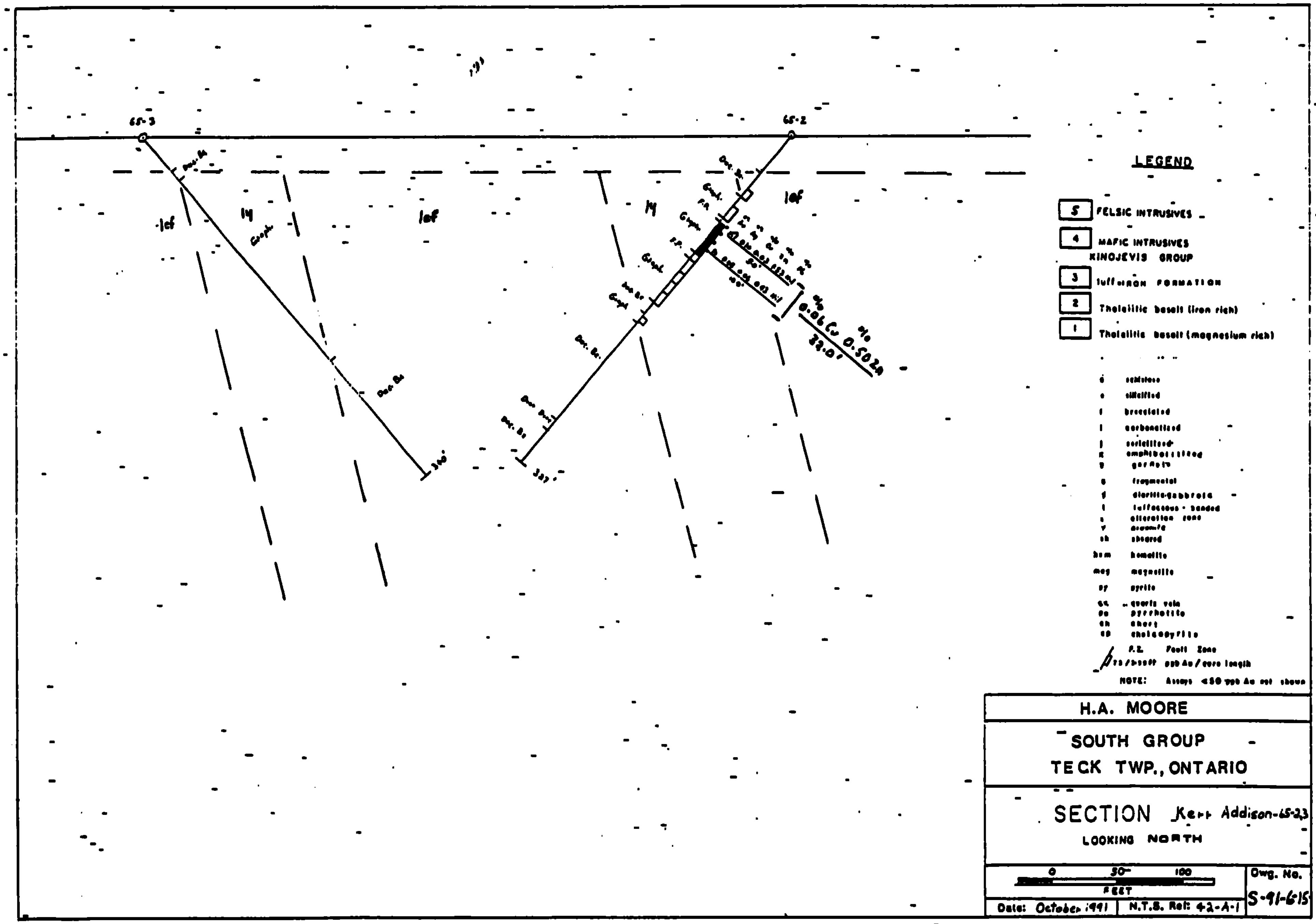
FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE %S	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS CU PPM.	ASSAYS ZN PPM.	ASSAYS PB PPM.	ASSAYS AU PPB.
		199.5 - 201.4 graphitic band with 20% quartz-carbonate at 45 degrees to core axis; 2-3% disseminated pyrite.	F29120	2	199.5	201.4	1.9	338	3460	38	15
		273.0 4" quartz-carbonate vein at 30 degrees to core axis.									
295.0	302.0	GRAPHITE:									
		massive graphite; banded at 85 degrees to core axis; 2-3% disseminated pyrite; traces of sphalerite.	F29121	2	295.0	298.0	3.0	170	624	21	10
			F29122	2	298.0	302.0	4.0	117	562	21	12
302.0	305.0	CALC-ALKALIC BASALT: as above:									
		brecciated.									
		302.0 - 303.5 white quartz-carbonate vein at 30-70 degrees to core axis; traces of ssphalerite; traces of chalcopyrite.	F29123	1	302.0	305.0	3.0	165	542	30	4
	305.0	END OF HOLE:									
		Note: core stored at the Kirkland Lake core library.									

APPENDIX IV:

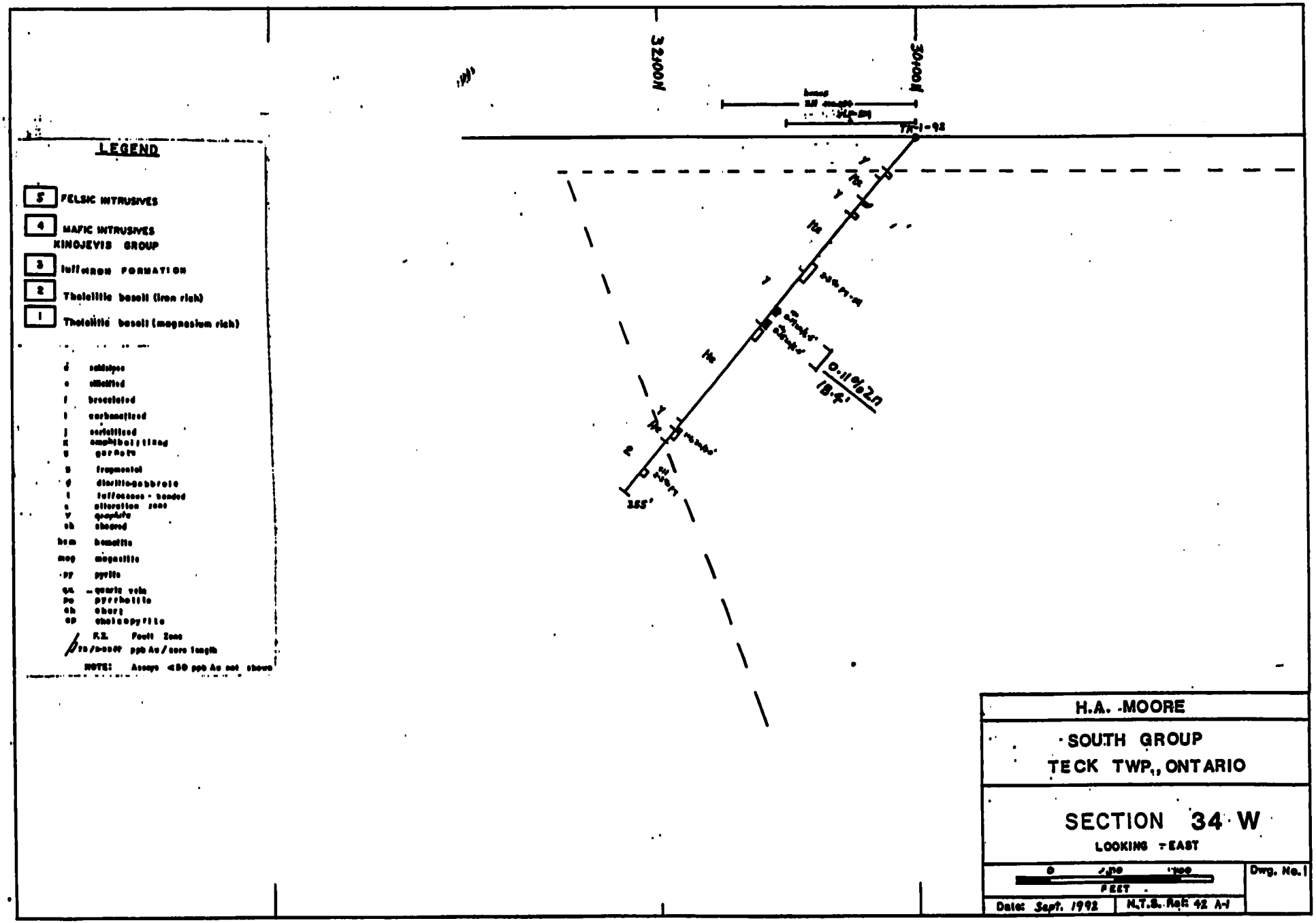
LIST OF MAPS

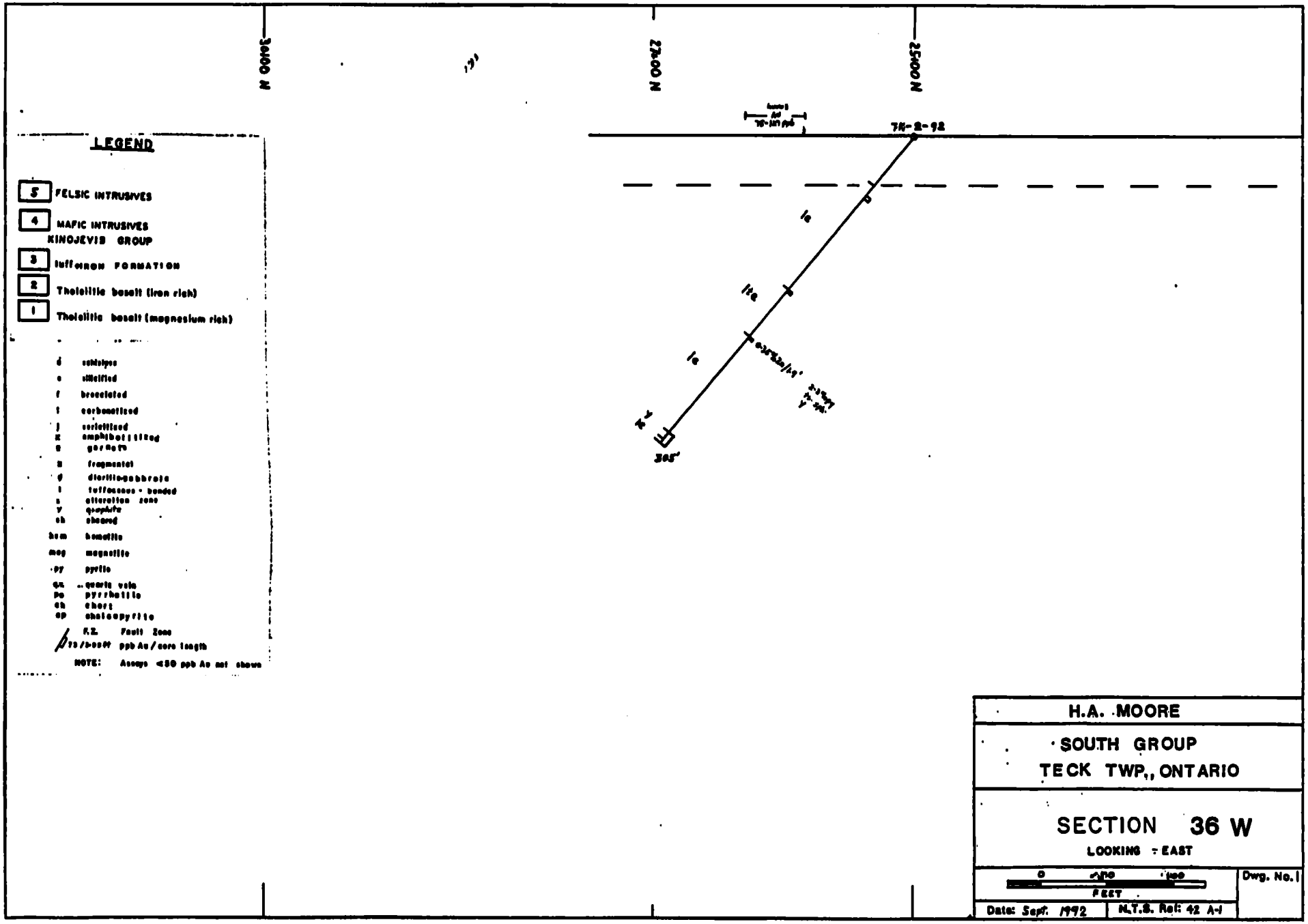

L50·00W
L40·00W
L30·00W
TK-92-1
-50°
358'
TK-92-2
-50°
305'
1180103
1180100
1180101
1180102
BL
15·00 N
Lake
Trout Lake
N
SYMBOLS
Claim post
observed . assumed
LEGEND
Grid line with 100 ft stations.
Creek, Lakeshore
Area of swamp
KEY
WEST SHEET
H.A. MOORE
SOUTH GROUP
TECK TWP., ONTARIO
TOPOGRAPHY
0 200 400
FEET
Dwg. No.
S-91-6-1
Date: October 1991
N.T.S. Ref: 42-A-1


L50-00W
L40-00W
L30-00W
BL
15+00 N
1180103
1180100
1180101
1180102
TK-92-1
TK-92-2
LEGEND
5 FELSIC INTRUSIVES
4 MAFIC INTRUSIVES KINOJEVIS GROUP
3 tuff IRON FORMATION
2 Tholeiitic basalt (iron rich)
1 Tholeiitic basalt (magnesium rich)
VLF-EM anomaly
Magnetic low anomaly
Magnetic high anomaly
Geochemical Soil - Au ppb (humus) ∠ 80
Zn ppm ∠ 100
Pb ppm ∠ 100
Geological contact
LEGEND
Grid line with 100 ft stations.
Creek, Lakeshore
Area of swamp
DDH.
Proposed DDH.
KEY
WEST SHEET
H.A. MOORE
SOUTH GROUP
TECK TWP., ONTARIO
COMPILATION MAP
0 200 400
FEET
Dwg. No. 1
S-91-6-16
Date: November 1991
October 1992
N.T.S. Ref. 42A-1



65-3
65-2
1cf
1f
1af
Graph.
F.P.
0.06 Cu 0.50 Zn
33.0'
340'
327'
LEGEND
5 FELSIC INTRUSIVES
4 MAFIC INTRUSIVES
KINOJEVIS GROUP
3 Tuff-IRON FORMATION
2 Tholeiitic basalt (iron rich)
1 Tholeiitic basalt (magnesium rich)
schistose
silicified
brecciated
carbonatized
fragmental
sheared
hematite
magnetite
pyrite
pyrrhotite
chalcopyrite
F.Z. Fault Zone
ppb Au / core length
NOTE: Assays <50 ppb Au not shown
H.A. MOORE
SOUTH GROUP
TECK TWP., ONTARIO
SECTION Kerr Addison-65-2,3
LOOKING NORTH
0 50 100
FEET
Date: October 1991
N.T.S. Ref: 42-A-1
Dwg. No.
S-91-615


3200N
3000N
TR-1-92
LEGEND
5 FELSIC INTRUSIVES
4 MAFIC INTRUSIVES
KINOJEVIS GROUP
3 tuff
2 Tholeiitic basalt (iron rich)
1 Tholeiitic basalt (magnesium rich)
d schistose
s silicified
f brecciated
l carbonatized
j sericitized
k amphibolitized
g garnets
b fragmented
d diorite-gabbro
t tuffaceous - banded
a alteration zone
v quartz
sh sheared
hem hematite
mag magnetite
py pyrite
qz quartz vein
po pyrrhotite
ch chert
cp chalcopyrite
F.Z. Fault Zone
ppb/metre ppb Au / core length
NOTE: Assays <150 ppb Au not shown
0.11 oz/t 2.7 g/t 18.4'
355'
H.A. MOORE
SOUTH GROUP
TECK TWP., ONTARIO
SECTION 34 W
LOOKING EAST
0 100 200
FEET
Dwg. No. 1
Date: Sept. 1992
N.T.S. Ref: 42 A-1


N 00452
N 00252
TR-2-92
1a
1/2a
1a
305'
LEGEND
5 FELSIC INTRUSIVES
4 MAFIC INTRUSIVES
KINOJEVIS GROUP
3 IRON FORMATION
2 Tholeiitic basalt (iron rich)
1 Tholeiitic basalt (magnesium rich)
d schistose
e silicified
f brecciated
i carbonatized
j sericitized
k amphibolitized
g garnets
m fragmental
p diorite-gabbro
t tuffaceous - banded
a alteration zone
v graphite
sh sheared
hem hematite
mag magnetite
py pyrite
qz quartz vein
po pyrrhotite
ch chert
cp chalcopyrite
F.Z. Fault Zone
ppb Au / core length
NOTE: Assays <50 ppb Au not shown
H.A. MOORE
SOUTH GROUP
TECK TWP., ONTARIO
SECTION 36 W
LOOKING = EAST
FEET
Dwg. No. 1
Date: Sept. 1992
N.T.S. Ref: 42 A-1

APPENDIX V:

ASSAYS

BELL-WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187, POJ 1KO | HAILEYBURY, ONTARIO | TEL: 672-3107 FAX: (705) 672-5843

Certificate of Analysis

NO. 247

DATE: Septembe 24, 1992

SAMPLE(S) OF: Rock(6)

RECEIVED: Septembe 1992

SAMPLE(S) FROM: Mr. H. A. Moore.

Sample #	Gold ppb	Ag ppm	Cu ppm	Zn ppm	Pb ppm
F28661	4				
F28662	5				
F28663	3	1	75	73	16*
F28664	4				
F28665	3				
F28666	5				

* No charge.

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

Per _____

BELL - WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187, POJ 1KO — HAILEYBURY, ONTARIO — TEL: 672-3107 FAX: (705) 672-5843

Certificate of Analysis

NO. 259 DATE: October 02, 1992

SAMPLE(S) OF: Core(23) RECEIVED: October 1992

SAMPLE(S) FROM: Mr. H. A Moore, New Liskeard, Ontario

Sample #	Au ppb	Cu ppm	Pb ppm	Zn ppm	Ag ppm
F29101	14	177	51	918	2.6
F29102	7	176	20	460	2.2
F29103	15	318*	28*	1106*	2.2*
F29104	7				
F29105	3				
F29106	8				
F29107	10	143	20	922	2.0
F29108	11	260	21	206	2.2
F29109	12	196	26	1152	2.2
F29110	14	388	75	2840	2.2
F29111	12	370	33	1010	1.4
F29112	11	266	16	1880	1.6
F29113	11	274	28	10080	2.0
F29114	7				
F29115	10				
F29116	8				
F29117	15				
F29118	7	247	25	746	1.6
F29119	14	328	41	596	3.6
F29120	15	338	62	3460	3.8
F29121	10	170	21	624	1.4
F29122	12	117	21	562	1.8
F29123	4	165	30	542	2.0

* No charge.

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

Per

APPENDIX VI:

PROJECT EXPENDITURES

APPENDIX VII:

PROPOSED DDH'S - 1993

H.A. MOORE PROPERTY
TECK TOWNSHIP
SOUTH GROUP, WEST BLOCK

PROPOSED DDH'S -1993

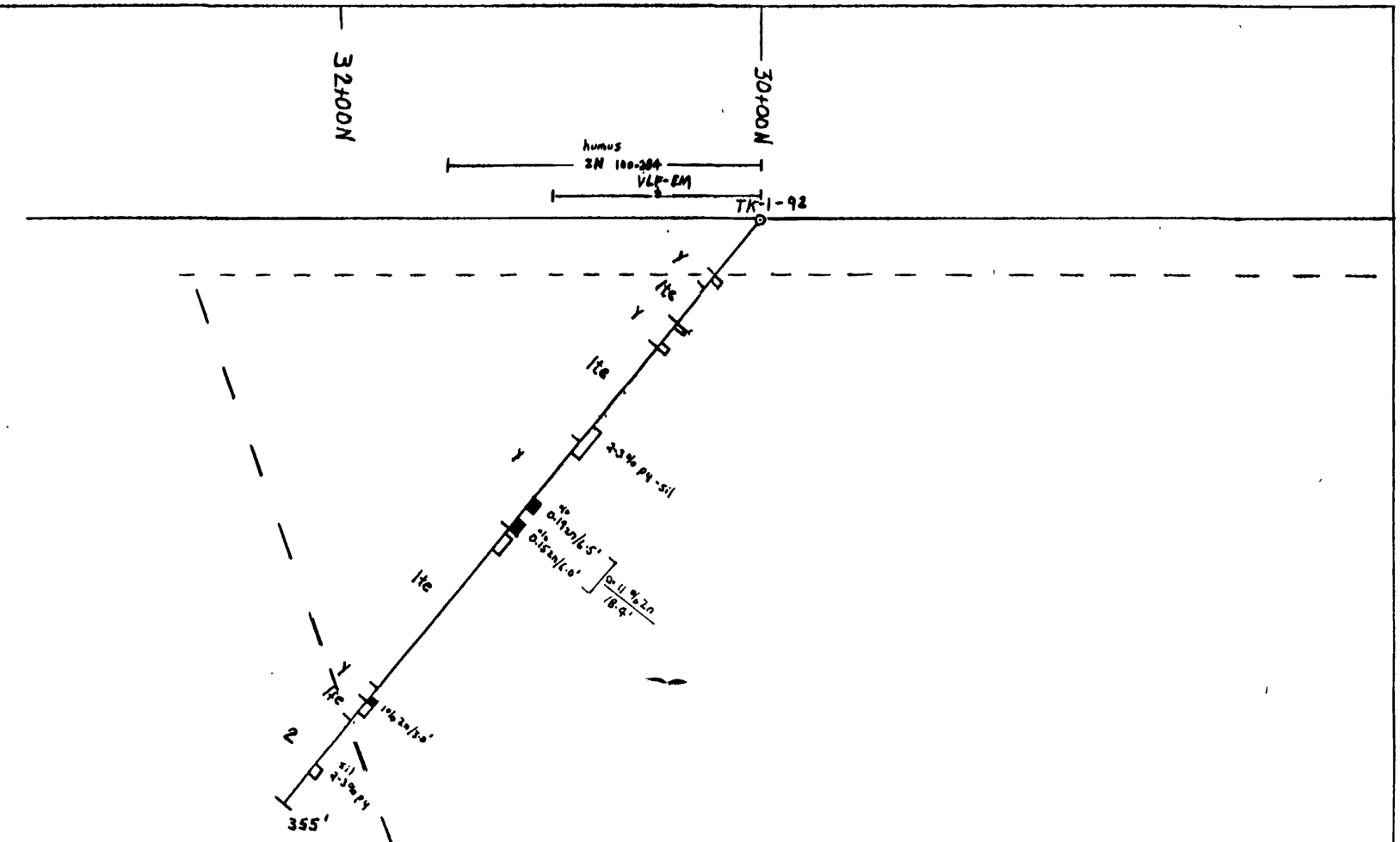
DDH #	NORTH	EAST	SECTION	AZ	DIP	DEPTH FEET	REMARKS - PURPOSE
3	42+00W	25+00N	42W	340	50	350	HEM/VLF-EM/ZN GEOCH
4	42+00W	28+00N	42W	340	50	350	HEM/VLF-EM/ZN GEOCH
5	52+00W	25+00N	52W	360	50	350	HEM/VLF-EM/ZN GEOCH
TOTAL:						1050'	

LEGEND

- 5 FELSIC INTRUSIVES
- 4 MAFIC INTRUSIVES
  KINOJEVIS GROUP
- 3 tuff o IRON FORMATION
- 2 Tholeiitic basalt (iron rich)
- 1 Tholeiitic basalt (magnesium rich)

- a schistose
- e silicified
- f brecciated
- i carbonatized
- j sericitized
- k amphibolitized
- g garnetic
- h fragmental
- d dioritic-gabbroic
- t tuffaceous - banded
- x alteration zone
- y graphite
- sh sheared
- hem hematite
- mag magnetite
- py pyrite
- q.v. quartz vein
- po pyrrhotite
- ch chert
- cp chalcopyrite
- F.Z. Fault Zone
- 73/3.99ft ppb Au / core length

NOTE: Assays <50 ppb Au not shown



H.A. MOORE

SOUTH GROUP
TECK TWP., ONTARIO

SECTION 34 W
LOOKING : EAST

0 100 200
FEET

Dwg. No. 1

Date: Sept. 1992

N.T.S. Ref: 42 A-1

42A01NE0074 OP92-312 TECK

30+00 N

27+00 N

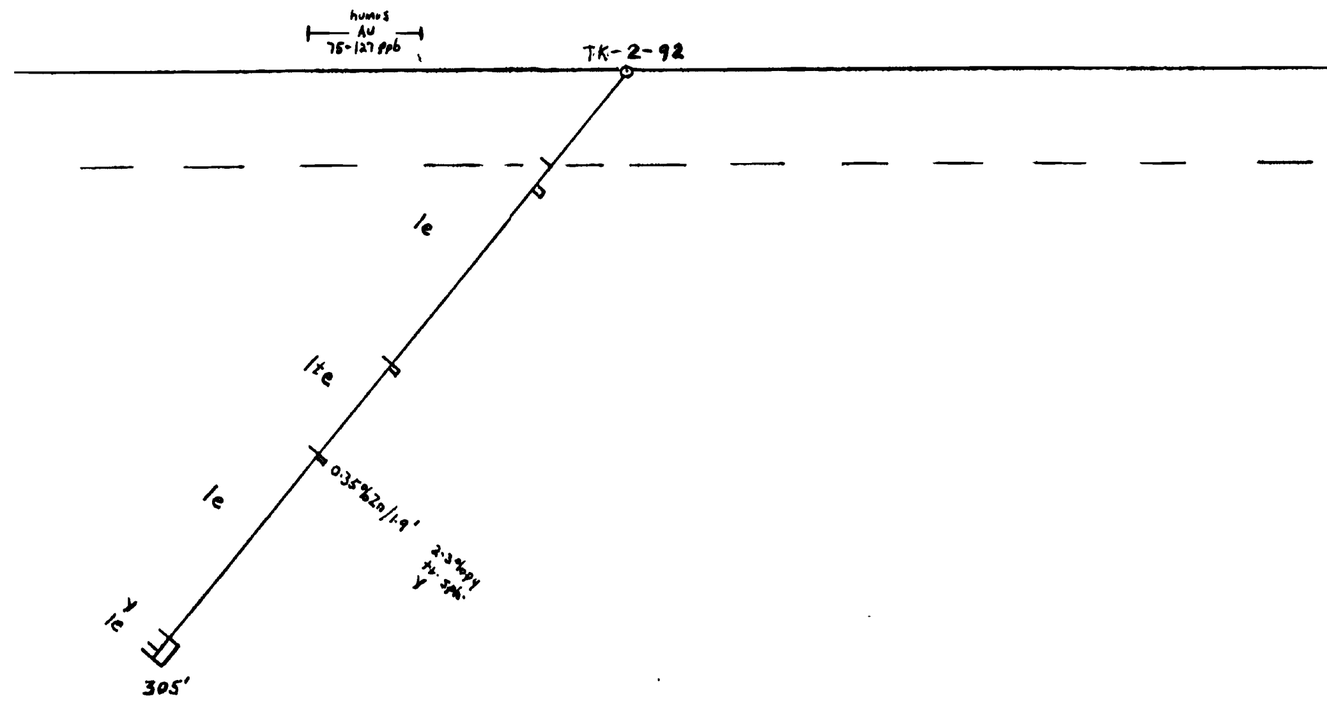
25+00 N

LEGEND

- 5 FELSIC INTRUSIVES
- 4 MAFIC INTRUSIVES
  KINOJEVIS GROUP
- 3 tuff or IRON FORMATION
- 2 Tholeiitic basalt (iron rich)
- 1 Tholeiitic basalt (magnesium rich)

- a schistose
- e silicified
- f brecciated
- l carbonatized
- j sericitized
- K amphibolitized
- g garnets
- H fragmental
- d dioritic-gabbroic
- t tuffaceous - banded
- x alteration zone
- y graphite
- sh sheared
- hem hematite
- mag magnetite
- py pyrite
- q.v. - quartz vein
- po pyrrhotite
- ch chert
- cp chalcopyrite
- F.Z. Fault Zone
- 73/3.9ft ppb Au / core length

NOTE: Assays <50 ppb Au not shown



H.A. MOORE

SOUTH GROUP

TECK TWP., ONTARIO

SECTION 36 W

LOOKING EAST

0 50 100
FEET

Dwg. No.

Date: Sept. 1992

N.T.S. Ref: 42 A-1

42A01NE0074 OP92-312 TECK