



52011SW0061 52011SW0015 MCVICAR LAKE

010

Diamond Drilling

Area MC VICAR LAKE

Report NO 20

Work performed by: NEW JERSEY ZINC EXPL. CO.

Claim NO	Hole NO	Footage	Date	Note
KRL.62576	1	152'	June/71	(1)
	2	150'	June/71	(1)
	3	134'	June/71	(1)
	4	156'	June/71	(1)
	5	107'	June/71	(1)
TOTAL	5 DH	699 FT		

Notes: (1) 185/71



52011SW0061 52011SW0015 MCVICAR LAKE

020

REPORT ON DIAMOND DRILLING
ON

LANG LAKE GROUP

(cls. KRL-62563 - 65 incl. 62570--75, 77, 82 - 84,
87 - 89 incl.)

N.T.S. 52 0/11

McVicar Lake Area

Red Lake Mining Division

North-West, Ontario.

for

New Jersey Zinc Exploration Co. (Canada) Ltd.,

by

D. Bartlett BSc.

July 5, 1971

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ONTARIO DEPARTMENT OF MINES
RED LAKE

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MAPS - .In Pocket

Drill Plan - Scale 1" = 100'
Drill Plan - Scale 1" = 400'

Drill Sections - Holes 1 to 5 - Scale 1" = 20'

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ONTARIO DEPARTMENT OF MINES
RED LAKE

LOCATION AND ACCESS

The Lang Lake groups consist presently of 15 claims in the McVicar Lake area, Red Lake Mining Division, Northwest Ontario. Access is via aircraft from Pickle Lake, located 52 miles due west.

PREVIOUS WORK

The claims comprising the group are part of the original group optioned by New Jersey Zinc in September, 1968. Work on the claims thus far consists of geochemical, geophysical and geological surveys in addition to prospecting and trenching.

Work on the claims prior to their acquisition by New Jersey Zinc consisted of similar surveys except geochemical in addition to two diamond drill holes totalling 435' by Kerr-Addison Gold Mines Limited. Assays of the best mineralization varied from a high of .96 copper across 3.2' to a low of .13% copper across 5.0' and from .08% Ni. across 3.2' (same sample as above) to 0.26% Ni. across 5 feet. Disseminated sulphides, mainly pyrrhotite with some chalcopyrite and occasional bands of massive pyrrhotite from $\frac{1}{2}$ to 8" in core length, which are considered to be responsible for the anomaly.

DIAMOND DRILLING

During the period June 7th - June 28th, 699 feet were drilled in 5 holes using New Jersey Zinc's portable GW-15 Winkie drill. All holes were drilled north except hole 4 which was drilled at 45° east of north. The holes were inclined at 60° and varied in depth from 107 to 156 feet.

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The location of the holes is shown on the accompanying drill plan.

The first 3 holes were drilled to test the possible southward dip of the surface showing an E.M. conductor on L4+00E - 5+30S. Similarly holes 4 and 5 were drilled to test the west and east extensions of the conductor and associated surface showings.

GEOLOGY

The claim group has been mapped by S. C. Farquharson an independant consultant engaged by New Jersey Zinc during the summer of 1969.

He summarizes the geology as Keewatin greenstones in which the lava flows and tuffs of intermediate composition predominate over the sediments. The greenstones have been intruded by a mass of diorite of variable composition.

The drilling conducted probed surface showings and a coincident E.M. anomaly along the north diorite-volcanic contact. Minor granodiorite and quartz-feldspar dykes as well as gabbroic phases of the diorite occur.

The main showing at 5+30S on L4E consists of pyrite-pyrrhotite-chalcopryite mineralization of a highly fractured and sheared diorite-volcanic contact. A steep dip to the south-east is indicated from nearby outcrops and a north-west trending fault between lines 0 and 4E is apparant from geological and geophysical evidence.

The general description of rock types encountered in drill core are given below:

DIORITE

The diorite most often seen is grey to green, medium to coarse grained and extremely resistant to breakage. In places the rock has undergone metamorphism with resulting amphibolitization talcification, silicification and carbonatization. Numerous volcanic inclusions or dykes occur throughout the section, although the upper unit is generally diorite.

In places the quartz content approaches 5%, the rock becoming a quartz diorite. Micro faulting of the quartz veins occurs throughout the section.

Sulphide mineralization in the form of pyrite, pyrrhotite and chalcopyrite occurs in fractures and in narrow veinlets.

GABBRO

The gabbro here is distinguished from the diorite only in its visible amount of mafic minerals. It shows the same metamorphic effects, grain size etc., except the colour is a darker grey-green with less apparent feldspar. Numerous andesite lenses occur within this unit with sharp intrusive contacts. The orientation of these contacts indicates a steep dip between 30 to 50'.

A five foot section of a magnetite banded gabbro occurs in hole 1. These are dipping moderately to the south as indicated by contact relationships. Pyroxene crystals up to $\frac{1}{2}$ " across occur with the magnetite, although some show varying degrees of alteration.

Pyrrhotite and minor chalcopyrite occur in fractures in the gabbro.

ANDESITE

The andesite seen in drill core is a dark green, fine to medium grained (the latter near intrusive contacts) chloritic rock. It is often porphyritic with augens of feldspar showing various degrees of orientation. Tuffaceous lenses make up part of this unit which is often veined with carbonate and quartz. The andesite occurs in lenses of variable widths throughout the diorite and gabbro and is the host rock of the better mineralized copper-nickel section. The sulphides occur mainly along fractures, although disseminated chalcopyrite was seen in a few instances.

DACITE

Dacite occurs only near the upper part of hole 2 and is fine grained, grey-green and slightly altered. This 16' section is in sharp contact with the overlying and underlying diorite and is barren of sulphides.

DYKES

Narrow aplite dykes of granodiorite and quartz feldspar composition occur throughout the holes.

SUMMARY AND CONCLUSIONS

The results indicate that narrow widths of economic grade copper and nickel do occur along the diorite-gabbro-andesite contact, although the overall grade in three of the holes is sub-economic at the present time. Also, the widths

indicated are probably not true widths as the trend of the mineralization is difficult to determine due to the irregularity of the contact zone and the nature of the sulphide mineralization.

Hence, although the overall results do not warrant a full scale drilling program it should be noted that the drilling only probed the contact to a vertical depth of about 100 feet.

An attempt, therefore, should be made to find a partner to share the cost of deepening hole 1 and drilling another hole a hundred feet or so to the south of hole 1. If this is met with little success the property should be dropped.

Derek Bartlett
Derek Bartlett, BSc.

NEW JERSEY ZINC EXPLORATION COMPANY (CANADA) LTD.

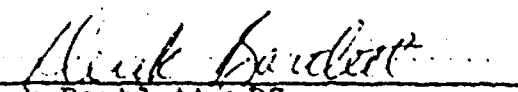
PLEASE ADDRESS REPLY TO

603 Royal Trust Bldg.
116 Albert Street
Ottawa, Ontario K1P 5G1

CERTIFICATE

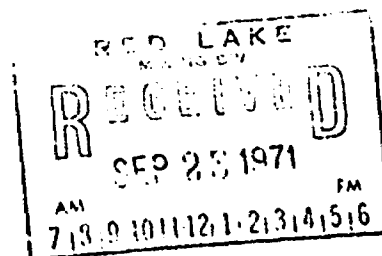
I, Derek Bartlett of the Town of Val d'Or,
Province of Quebec, hereby certify that:

- 1) I am a geologist residing at 124 Self Avenue,
Apartment 11, Val d'Or, Quebec
- 2) I am a graduate of the University of New Brunswick,
Fredericton, New Brunswick
- 3) The accompanying drill logs and report are based
on my personal field observations.


Derek Bartlett, BSc.

DATED AT: Val d'Or, Quebec

THIS 15th DAY of SEPTEMBER, 1971



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DEPARTMENT OF MINES
RED LAKE

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RED LAKE

ASSESSMENT WORK BREAKDOWN

1. FIELD WORK

<u>Type of Work</u>	<u>Name & Address</u>	<u>Dates Worked</u>	<u>Number of 8 hour days</u>
Winkie Diamond	Jean B. Verreault		
Drill	Amos, Quebec	June 7 - 28	21
	Guy Belliveau		
	Lamotte, Quebec	June 7 - 28	21

2. CONSULTANTS

<u>Name & Address</u>	<u>Dates Worked (specify in field or office)</u>	<u>Number of 8 hour days</u>

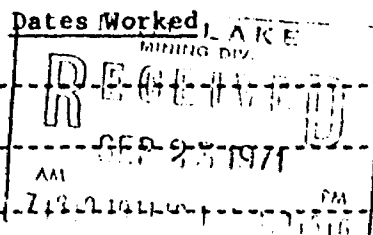
3. DRAUGHTSMAN, TYPING, OTHERS (specify)

<u>Name & Address</u>	<u>Type of Work</u>	<u>Dates Worked</u>	<u>Number of 8 hour days</u>

TOTAL 8 HOUR TECHNICAL DAYS _____

4. LINE-CUTTING

<u>Name</u>	<u>Address</u>	<u>Dates Worked</u>	<u>Number of 8 hour days</u>



TOTAL 8 HOUR LINE-CUTTING DAYS _____

ASSESSMENT WORK BREAKDOWN

1. Type of Survey

2. Township or Area

3. Numbers of Mining Claims Traversed by Survey

.....

.....

.....

.....

4. Number of Miles of Line Cut Flown

*5. Number of Stations Established

*6. Make and type of Instrument Used

*7. Scale Constant or Sensitivity

*8. Frequency Used and Power Output

9. Summary of Assessment Credits (details on reverse side)

Total 8 hour Technical Days (Include Consultants, Draughting etc.)

Total 8 hour Line-Cutting Days

Calculation

$$\frac{\text{Technical}}{\text{Technical}} \times 7 = \text{.....} + \frac{\text{Line-cutting}}{\text{Line-cutting}} = \text{.....} \div \frac{\text{Number of claims}}{\text{Number of claims}} = \frac{\text{Assessment credits per claim}}{\text{Assessment credits per claim}}$$

The dates listed on this form represent working time spent entirely within the limits of the above listed claims ☐ Check

If otherwise, please explain

.....

Dated: Sept 15, 1971

Signed: [Signature]

- Note: (A) * Complete only if applicable.
 (B) Complete list of names, addresses and dates on reverse side.
 (C) Submit separate breakdown for each type of survey.
 (D) Submit in duplicate.

PROPERTY Flat Lake, N.W. Ontario.

DIAMOND DRILL RECORD

SHEET NUMBER 1HOLE NUMBER 1-LL-71TOTAL DEPTH 150'

CO-ORDINATES COLLAR

LOCATION Red Lake Min.
Div. N.W. Ont.LAT. 6S DEP. Line 4ELOGGED BY D. Bartlett

ELEVATION COLLAR _____

DATE BEGUN June 8, 1971 BEARING Mag. NorthDATE FINISHED June 11, 71 ANGLE -60°

LOG FORM NO. 1

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
0	3.5	3.5			CASING
3.5	12.0	8.5			DIORITE - light to medium grey with white feldspar mottling, medium grained, major minerals feldspar pyroxene and hornblende. Minor quartz veining and narrow (<2") hornfelsic metagabbro lenses near base. Gradational contact with lower unit. Quartz veins near top of unit indicates steep dip to north. Minor pyrite and iron staining. Quartz contact of rock up to 5% in places and rock approaches a quartz diorite in places.
12.0	31.8	19.8			HORNFELSIC DIORITE - light to dark grey, to grey black, fine to medium grained, alteration variable, quartz veining. Highly altered, finer grained and porphyritic (feldspar phenocrysts) basic volcanic lense from 26.0'-28.0'. Quartz veining here at 35°-40° to core axis.
					This unit appears older than above unit as discordant (intrusive contacts) can be seen. Pyrite & speck of chalco at 14.0'. At 17.0' carbonate stringers at 45° to core axis.
31.5	36.0	4.5	A 1659	Cu, Ni	METAGABBRO - grey, fine to medium cilline, altered pyroxene. Quartz veining from 32.0'-34.6' - chalco in fractures, 2" massive pyrite section from 31.5'-31.9'. At 33.0' pyrite and alignment of quartz crystals at 45° to core axis. Basic volcanic lenses from a few inches to 2

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PROPERTY Flat Lake, N.W. Ontario.

DIAMOND DRILL RECORD

SHEET NUMBER 2

HOLE NUMBER 1-LL-71

Log Form No. 2A

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					or 3 feet show intrusive contacts. Chalcopryite.
36.0	41.0	5.0	A 1660	Cu Ni	At 38' graphite stringers at 50-60° to core axis. SAME AS ABOVE SAME AS ABOVE - very minor chalco and pyrite, lighter in colour than above carbonate veining. 4.2% Cu.
41.0	46.0	5.0	A 1661	Cu Ni	META SEDIMENTS META ANDESITE - dark green, chloritic, finer grained, upper 1' same as above, carbonate and quartz veining from 42.8-43.7', massive pyrite, pyrrhotite, minor chalcopryite - 80% sulphide; Some narrow siliceous granodiorite dykes.
46.0	48.0	2.0	A-1662	Cu Ni	SAME AS ABOVE SAME AS ABOVE - Same, - last 2" - massive pyrite. Chalco in thin veinlets at various orientations. 0.7-1% Cu.
48.0	53.0	5.0	A-1663	Cu Ni	METAGABBRO METAGABBRO - same, coarse grained, altered, mottled appearance, porphyritic and tuffaceous meta volcanic (andesitic) inclusion near base of unit. Latter at 45° to core axis. Siliceous near base, Pyrite lenses 1/2" wide parallel to core axis.
53.0	58.0	5.0			GRANODIORITE - volcanic (altered) lenses, minor pyrite. At 56.0' above volcanic phenocrystic lenses at 35°-45° to core axis.
58.0	63.0	5.0	A-1664	Cu Ni	SAME - upper most foot - volcanic lense, minor chalco- pyrite in fractures.
63.0	74.0	11.0			GABBRO - Same, Hornblende crystals.
74.0	79.0	5.0	A-1665	Cu Ni	SAME - At 75.8' changing to a siliceous breccia with gabbro-diorite and basic volcanic fragments. Chalcopryite in upper 1.8' and in fractures from there below. From 79.0'-79.8' - quartz veining.

PROPERTY Flat Lake, N. W. Ontario. DIAMOND DRILL RECORD

SHEET NUMBER 3

HOLE NUMBER LL - 1 - 71

Log Form No. 2A

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
79.0	84.0	5.0	A-1666	Cu Ni Au Ag	SAME - 30% sulphide some chalcopryrite, 5% pyrite and pyrrhotite others.
84.0	88.0	4.0	A-1667	Cu Ni	ANDESITE - Dark green - hard, fine grained, hypabassal, minor chalcopryrite and pyrite. Some quartz and feldspar augens at 20°-30° to core axis. Gradational contact into diorite-gabbro below. From 84.0'-86.0' - .8-1% Cu.
88.0	93.0	5.0	A-1668	Cu Ni	DIORITE - mottled, coarse grained, chalco in fractures and veinlets at 60° to core axis. Hornblende crystals.
93.0	100.0	7.0	A-1669	Cu Ni	SAME - darker, gabbroic
100.0	105.0	5.0	A-1670	Cu Ni Zn Pb	BANDED GABBRO - dark grey bands, green grey mafics, Magnetite in bands. Pyroxene bands 1"-2" wide at 60-80° to core axis. Highly altered - rock has gneissic appearance. Bands undulating. .7% Cu.
105.0	110.0	5.0	A-1671	Cu Ni	ANDESITE - from 106.7-106.9 qtz-feldspar dyke. From 106.9-108.5 fine grained metadiorite. Chalcopryrite throughout.
110.0	113.0	3.0	A-1672	Cu Ni	ANDESITE - as from 100.0-105.0 - chalcopryrite throughout
113.0	118.0	5.0	A-1673	Cu Ni	ANDESITE - recrystalized in places - fine to medium grained, grey-green - specks of chalcopryrite, minor pyrite - could be altered diorite. Coarse grained inclusion pyroxene rich
118.0	123.0	5.0	A-1674	Cu Ni	ANDESITE - Same
123.0	130.0	7.0			ANDESITE
130.0	135.0	5.0	A-1675	Cu Ni	METAGABBRO - Same, altered, 2-2" pyrrhotite lenses, chalcopryrite, coarse grained
135.0	140.0	5.0	A-1676	Cu Ni Ag Au	ANDESITE - finer grained - chalcopryrite

DIAMOND DRILL RECORD

HOLE NUMBER LL-1-71

[illegible]

PROPERTY Flat Lake, N.W. Ontario

DIAMOND DRILL RECORD

SHEET NUMBER 1HOLE NUMBER 2 - LL 71TOTAL DEPTH 150.0' CO-ORDINATES COLLARLOCATION Red Lake Min. Div.
NW Ontario LAT. 6S DEP. 4+50ELOGGED BY D. Bartlett ELEVATION COLLARDATE BEGUN June 12/71 BEARING Mag. NorthDATE FINISHED June 14/71 ANGLE -60°

LOG FORM NO. 1

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
0	5.5	5.5			OVERBURDEN - Casing to 6'
5.5	23.3	17.8			DIORITE - grey-green to blue, altered to soapstone, S plane at 15°-25° to core axis. 1' of nodular pyrite ($\frac{1}{2}$ "-1") conglomerate in a basic pyritic groundmass. Minor pyrite and quartz veining
23.3	39.5	16.2			DACITE - green, carbonate and quartz veins, fine grained, altered. (Contact with altered diorite below at 10°-15° to core axis.
39.5	53.0	13.5			DIORITE - Same as previous, but less alteration, some volcanic inclusions. Chalcopyrite speck at 47.2'. From 51.2'-52.1' - volcanic inclusions (porphyritic) at 10-30° to core axis. From 52.5'-53.0' - quartz feldspar vein.
53.0	58.0	5.0	A-1679	Cu Ni	DIORITE - Same as before, but fresher and coarser grained, less alteration. At 59.5' and 60.2' pyrite and pyrrhotite veining, trace chalcopyrite. From 60.2'-63.0' quartz and feldspar veining and sulphides with copper. From here down- ward good hornblende crystals.
58.0	63.0	5.0	A-1680	Cu Ni	SAME
63.0	68.0	5.0	A-1681	Cu Ni	SAME - In places rock loses mottled texture, more alteration
68.0	71.0	3.0	A-1682	Cu Ni	SAME
71.0	88.0	17.0			SAME - At 73.0' and 75.0' - 1" to 3" volcanic inclusions, some quartz veins.

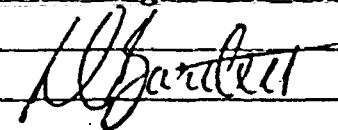
PROPERTY Flat Lake, N.W. Ontario.

DIAMOND DRILL RECORD

SHEET NUMBER 2HOLE NUMBER 2 - LL - 71

Log Form No. 2A

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
88.0	93.0	5.0	A-1695	Cu Ni	SAME - quartz feldspar lenses, 15-70% sulphides, some chalcopyrite. Banding at 40-60° to core axis.
93.0	97.0	4.0	A-1684	Cu Ni	SAME - Blebs of chalcopyrite at 94.0'
97.0	100.0	3.0	A-1685	Cu Ni	SAME - Minor chalcopyrite
100.0	105.0	5.0	A-1686	Cu Ni Ag	Chalcopyrite in stringers parallel to core axis and in clots. Quartz-feldspar, and volcanic inclusions give rock brecciated appearance.
105.0	110.0	5.0	A-1687	Cu Ni	ANDESITE - minor chalcopyrite in fractures, chloritic, highly altered.
110.0	115.0	5.0	A-1688	Cu Ni	SAME - from 110.2-111.5 unaltered. Mottled gabbro, minor chalcopyrite.
115.0	120.0	5.0	A-1689	Ag, Au Cu Ni	SAME - 4" lenses of pyrrhotite and pyrite, Cu - .8 - 1.2% mainly in fractures.
120.0	125.0	5.0	A-1690	Cu Ni	SAME - Some chalcopyrite, siliceous
125.0	130.0	5.0	A-1691	Cu Ni	SAME - Some chalcopyrite, siliceous
130.0	134.0	4.0			SAME - pyrite only
134.0	138.0	4.0	A-1692	Cu Ni	SAME - more schistose, chalcopyrite veinlet at 145.0' at 35° to core axis.
138.0	142.0	4.0	A-1693	Cu Ni	SAME - At 138.5' chalcopyrite stringers at 10° to 45° to core axis also in irregular fractures. From 138.5'-139.5' - gabbro dyke.
142.0	146.0	4.0			SAME - hornfelsic in places, minor pyrite.
146.0	150.0	4.0	A-1694	Cu Ni	SAME - minor chalcopyrite, slightly siliceous, banding at various angles to core axis.



PROPERTY Flat Lake, N.W. Ontario.

DIAMC D DRILL RECORD

SHEET NUMBER 1

HOLE NUMBER 3-LL-71

TOTAL DEPTH 134.0' CO-ORDINATES COLLAR

LOCATION Red Lake Min. Div. NW Ontario LAT. 6S DEP. L. 3+50E

LOGGED BY D. Bartlett ELEVATION COLLAR

DATE BEGUN June 14/71 BEARING Mag. North

DATE FINISHED June 21/71 ANGLE -60°

LOG FORM NO. 1

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
0	10.0	10.0			CASING AND OVERBURDEN - About 2' of boulders, mostly granite and diorite.
10.0	16.2	6.2			DACITE - green - fine grained, siliceous, rusty from 10.0' - 11.0' siliceous veins (quartz veins) dioritic inclusions, and tuffaceous in places.
16.2	18.0	1.8			ANDESITE - more basic than above, similar. (quartz veins and brecciated diorite inclusions) tuffaceous bands from 17.0 - 17.5' at 45° to core axis, offsetting of quartz veins.
18.0	31.0	13.0			DIORITE - green-grey, coarse grained volcanic inclusions, (quartz veining 22.3'-23.0' and 26.0'-29.8'). From 26.0' - 26.4' quartz and andesite veining at 30° to core axis.
31.0	39.6	8.6			ANDESITE - green, fine grained, quartz and diorite inclusions irregular and brecciated. Upper contact with diorite at 60°. Minor iron staining and pyrite.
39.6	59.2	19.6			DIORITE - Some andesite inclusions from 47.2-48.8'.
59.2	65.0	5.8			ANDESITE - same, lower 1' tuffaceous, feldspar augens in banding at 60-70° to core axis. Pyrite in quartz vein at 61'.
65.0	95.8	30.8			DIORITE - same volcanic inclusions etc. Minor pyrite in top 2", small blob of chalcopyrite and pyrite at 73.4'. Volcanic inclusions from (76.5-77.5').
95.8	96.8	1.0			QUARTZ-FELDSPAR DYKE - pink feldspar, milky quartz, extremely hard.

DIAMOND DRILL RECORD

HOLE NUMBER 3-LL-71

Log Form No. 2A

[illegible]

Liberty Bell.

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U.S. DEPARTMENT OF AGRICULTURE
WASHINGTON, D.C.

PROPERTY Flat Lake, N.W. Ontario

DIAMOND DRILL RECORD

SHEET NUMBER 1HOLE NUMBER 4-LL-71TOTAL DEPTH 156.0' CO-ORDINATES COLLARLOCATION Red Lake Min. Div.
N.W. Ontario LAT. 4+95S DEP. 1+92ELOGGED BY D-Bartlett ELEVATION COLLAR _____DATE BEGUN June 21/71 BEARING 45° East of Mag. NorthDATE FINISHED June 24/71 ANGLE 60°

LOG FORM NO. 1

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
0	4.0	4.0			ANDESITE - altered, grey, medium grained, dioritic inclusions basal contact gradational, recrystallization evident in resultant coarser grain size.
4.0	56.5	52.5			DIORITE - typical, 50% dark material with white mottling, coarse grained, white feldspar phenocrysts up to 1" across in places, quartz veins, siliceous, ^{minor pyrite} especially rite, massive, tough to break, volcanic inclusions, especially near base, and large hornblende crystals scattered throughout. Minor feldspar, and quartz inclusions.
56.5	66.0	9.5			ANDESITE - Same as unit one, dioritic inclusions, pyrite and recrystallization, hornfelsic, speck of chalcopyrite at 59.0' More sulphides near base of unit. At 65.0' and 72.0' core broken up, sulphides. Pyrrhotite at 63.0'. Pyrite veinlet parallel to core axis and at 35° to core axis. Pyrite at 65.0'.
66.0	70.0	4.0	A-1696	Cu Ni	ANDESITE - same, more sulphides. Speck of chalcopyrite? Siliceous Quartz veining.
70.0	76.0	6.0			ANDESITE-DIORITE HYBRID - mixture slightly more volcanic material sulphides near base. From 70.0'-70.8' - quartz feldspar dyke.
76.0	80.0	4.0	A-1697	Cu Ni	ANDESITE - Same
80.0	85.0	5.0			ANDESITE - Same

DIAMOND DRILL RECORD

SHEET NUMBER 2

BOLE NUMBER 4-LL-71

Log Form No. 2A

[illegible]

PROPERTY Flat Lake, N.W. Ontario.

DIAMOND DRILL RECORD

SHEET NUMBER 1HOLE NUMBER 5-LL-71TOTAL DEPTH 107.0' CO-ORDINATES COLLARLOCATION Red Lake Min. Div. NW Ontario LAT. 6+00S DEP. 5+85ELOGGED BY D. Bartlett ELEVATION COLLARDATE BEGUN June 21/71 BEARING Mag. NorthDATE FINISHED June 27/71 ANGLE -60°

LOG FORM NO. 1

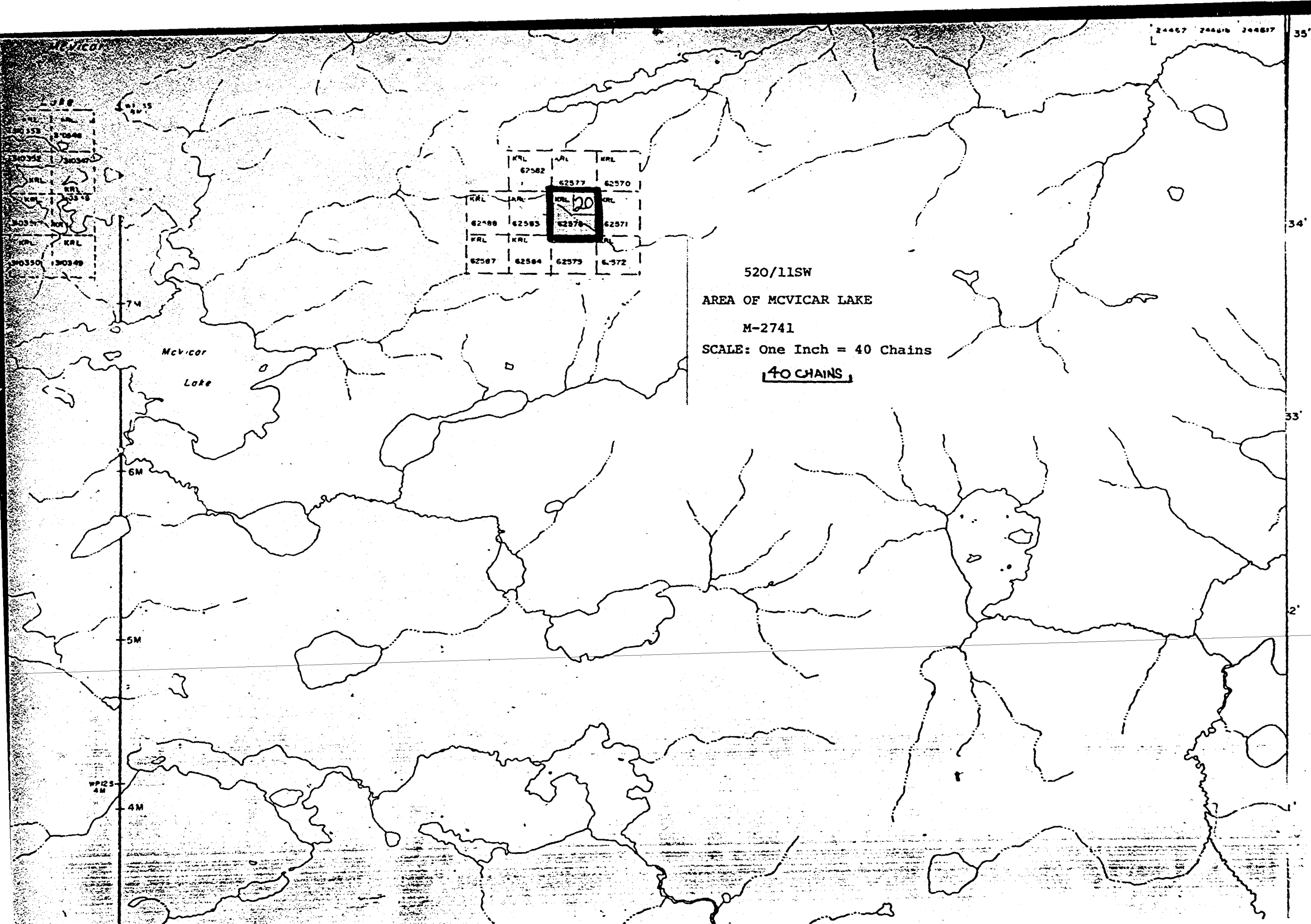
CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
0	2.0	2.0			CASING - broken bedrock
2.0	4.0	2.0			ANDESITE - green, altered, white feldspar phenocrysts aligned at 50°-60° to core axis. Minor quartz injections.
4.0	9.0	5.0	A-1699	Cu Ni	ANDESITE - Same, 75% blue quartz 60% sulphides, mainly pyrrhotite
9.0	40.0	31.0			ANDESITE - Same, dioritic 24.0'-27.5' quartz veining especially 30.0'-31.0' - Quartz and feldspar especially 32.0'-33.0'. Dioritic 37.0'-39.0' - Chalcopryrite specks and pyrrhotite at 22.3'. From 10.0'-12.0' pyrite and pyrrhotite specks.
40.0	45.8	5.8			DIORITE - Same as previous diorite, quartz feldspar dykes (32.3'-33.2'), andesite inclusions.
45.8	48.3	2.5			ANDESITE - Same
48.3	51.0	2.7			QUARTZ-FELDSPAR DYKE - pink tinge, pink feldspar, white quartz-sharp upper, gradational lower, contact.
51.0	56.0	5.0			ANDESITE - Same
56.0	60.0	4.0	A-1700	Ag, Au Cu, Ni	ANDESITE - siliceous, blebs of chalcopryrite in narrow veinlets at 57.0' at 30° to core axis. 30% sulphide in unit, mostly pyrrhotite. Massive from 57.5'-58.6'. Chalcopryrite bleb at 58.5'. Best section in hole 0.7-0.8% Copper.
60.0	62.0	2.0			QUARTZ-FELDSPAR DYKE - 80% pink feldspar, milk white quartz
62.0	74.0	12.0			ANDESITE - typical with intrusive diorite and quartz feldspar phenocrysts, minor pyrrhotite from 62.5'-62.7'. Porphyritic from 72.5-73.0', no alignment of phenocrysts.

NOT TO BE REMOVED
FROM THE OFFICE OF THE
ATTORNEY GENERAL
ONTARIO
1971

HOLE NUMBER 5-LL-71

Log Form No. 2A

[illegible]



520/11SW
AREA OF MCVICAR LAKE
M-2741
SCALE: One Inch = 40 Chains
40 CHAINS

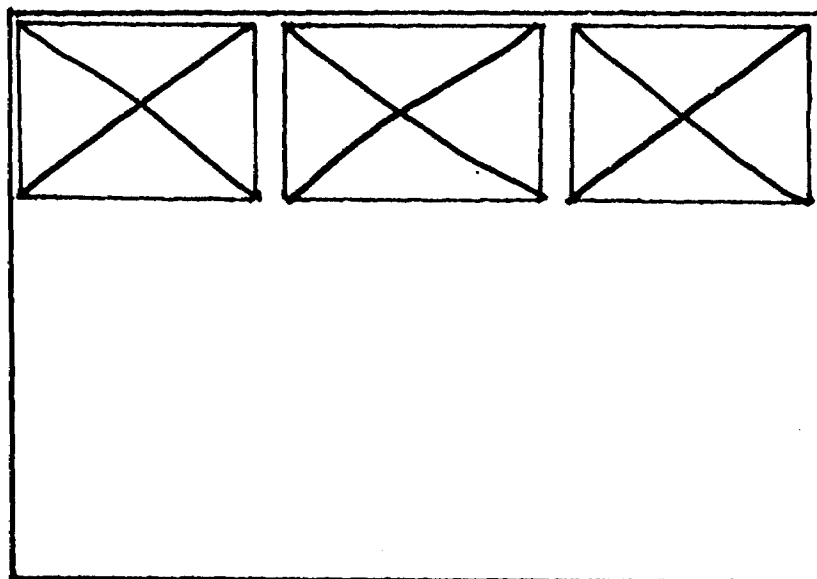
CANNON LAKE (M.2142)

SEE ACCOMPANYING
MAP(S) IDENTIFIED AS

520/11SW-0015 #1-3

LOCATED IN THE MAP
CHANNEL IN THE
FOLLOWING SEQUENCE

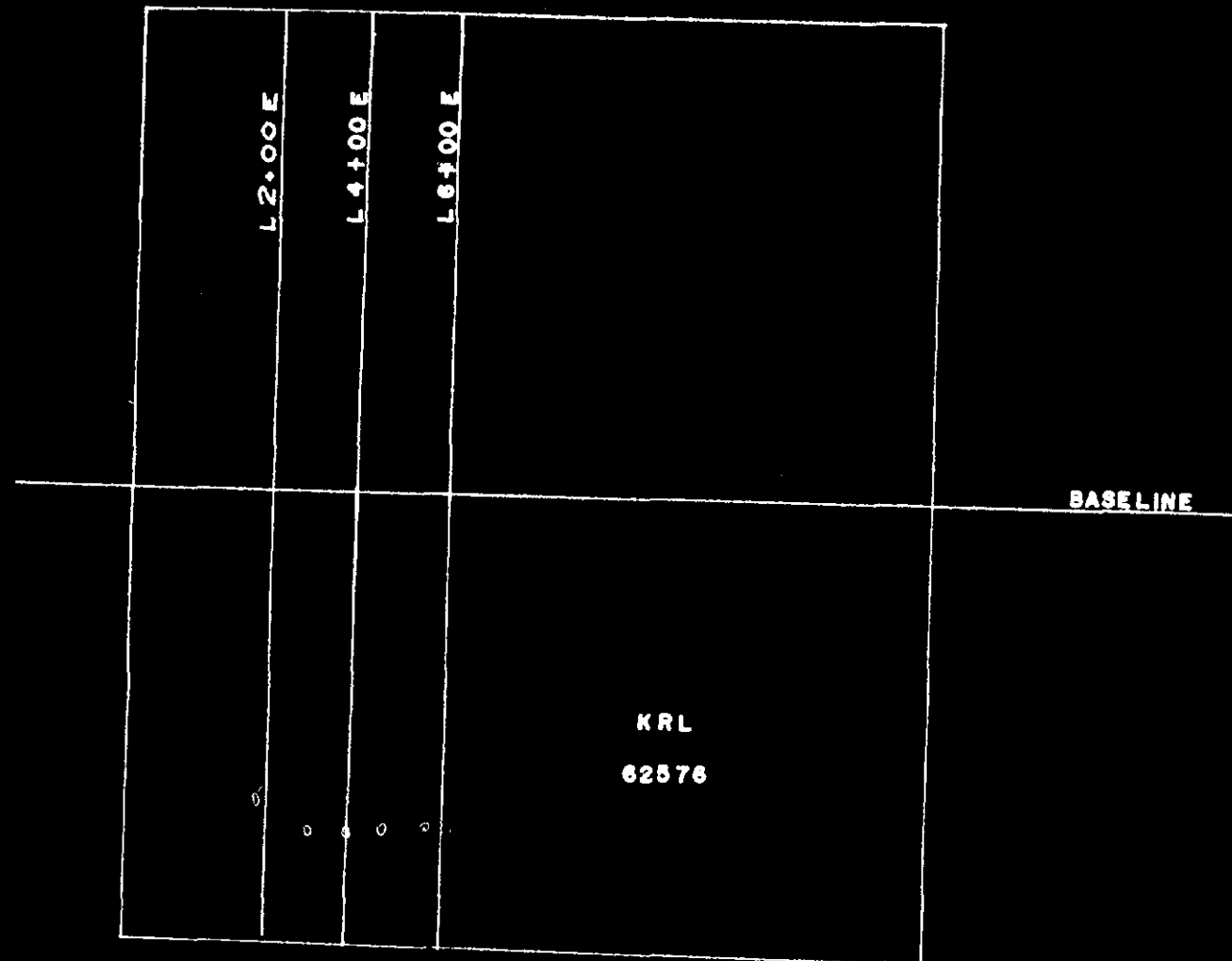
(X)



**FOR ADDITIONAL
INFORMATION**

SEE MAPS:

520/11SW-0015 #4-7



NEW JERSEY ZINC EXPLORATION CO. (CANADA) LTD.

LANG LAKE GROUP

RED LAKE MINING DIVISION
N.T.S. 52 0/11

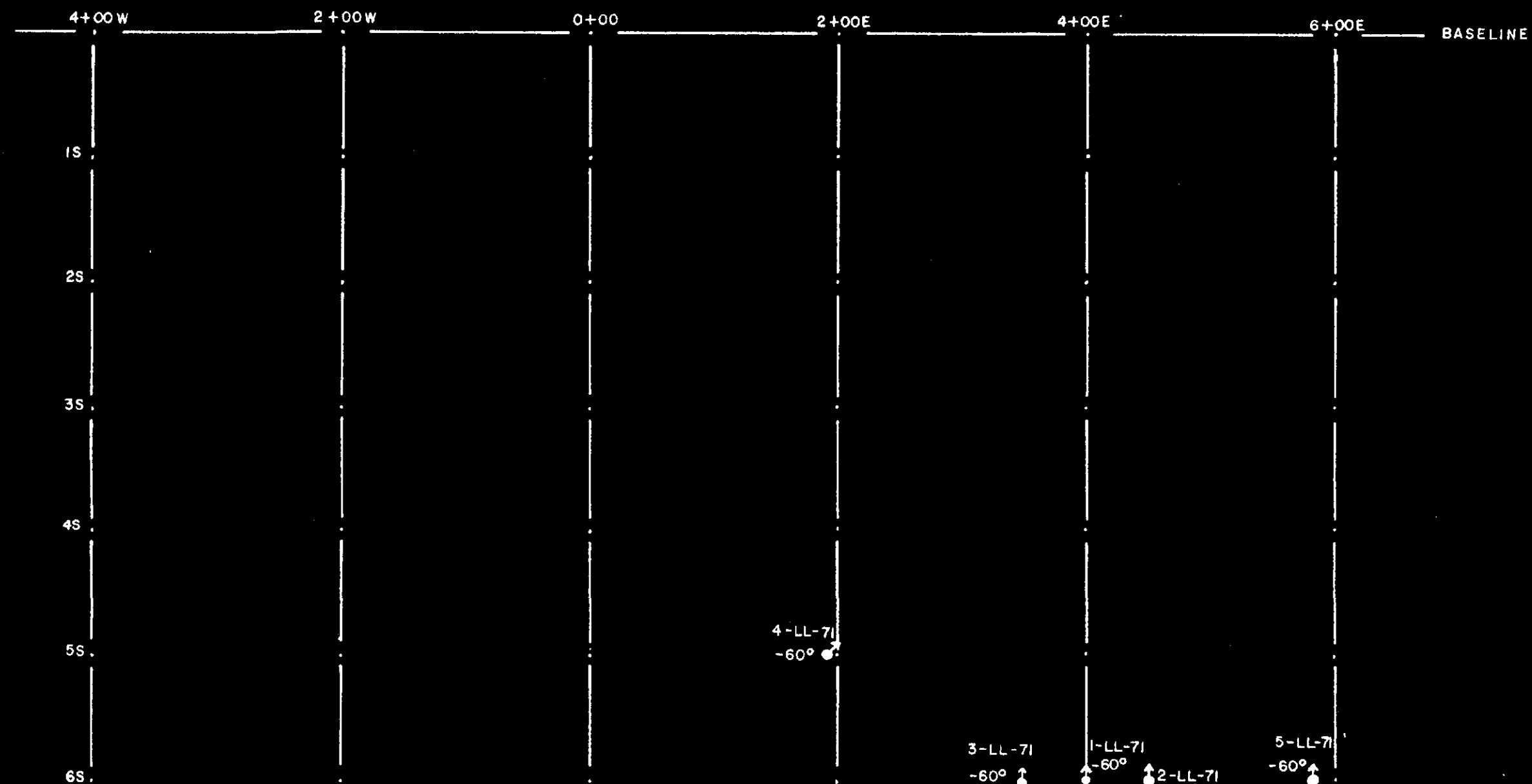
JULY, 1971

SCALE 1" = 400'



200

520/11SW-0015, #1



CLAIM 62576

NEW JERSEY ZINC EXPLORATION CO. (CANADA) LTD.

DRILL PLAN

LANG LAKE GROUP

RED LAKE MINING DIVISION

JUNE, 1971

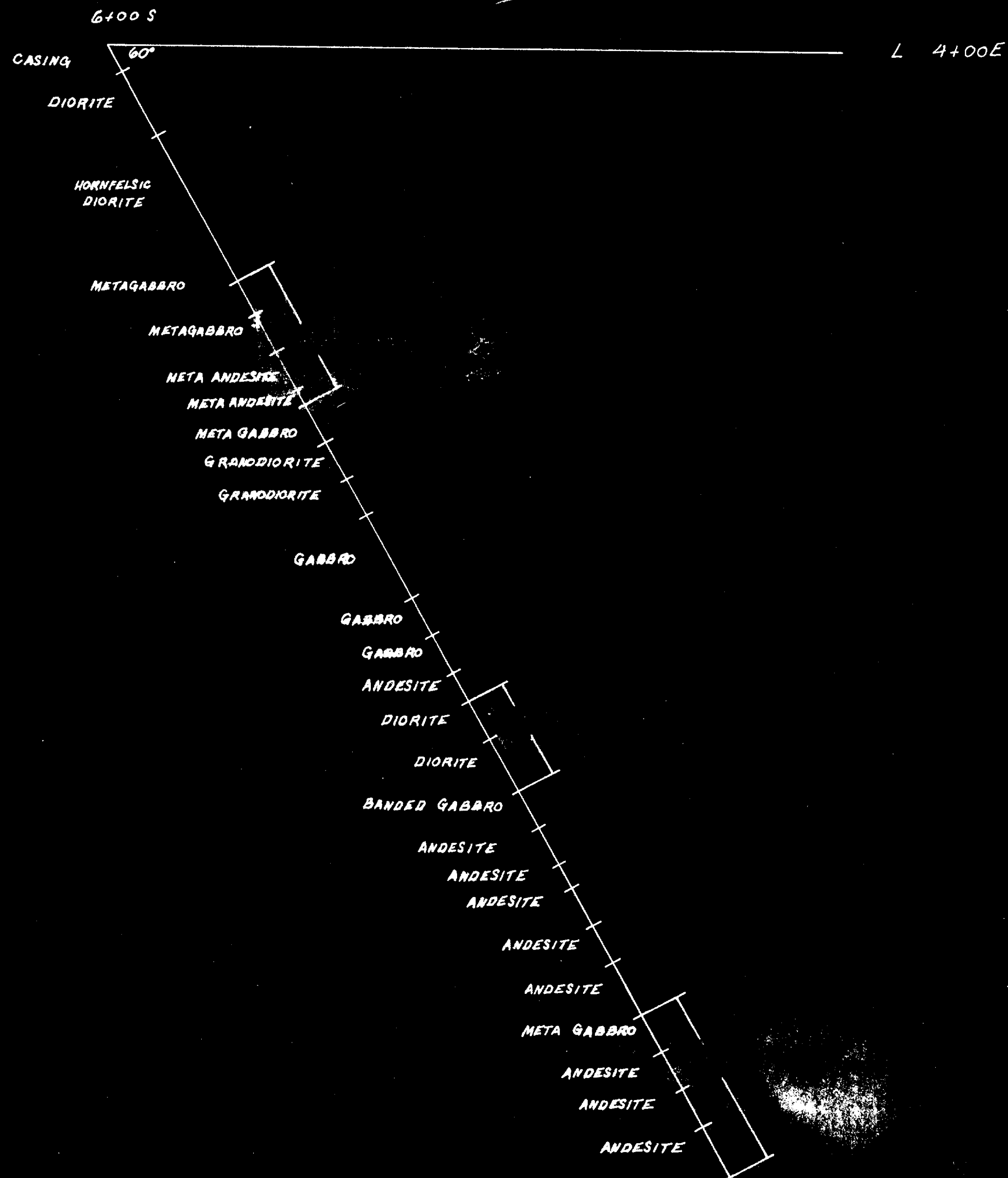
SCALE: 1" = 100'



52011SW0061 52011SW0015 MCVICAR LAKE

210

520/11SW-0015, #2



520115W0061 520115W0015 MCVICAR LAKE

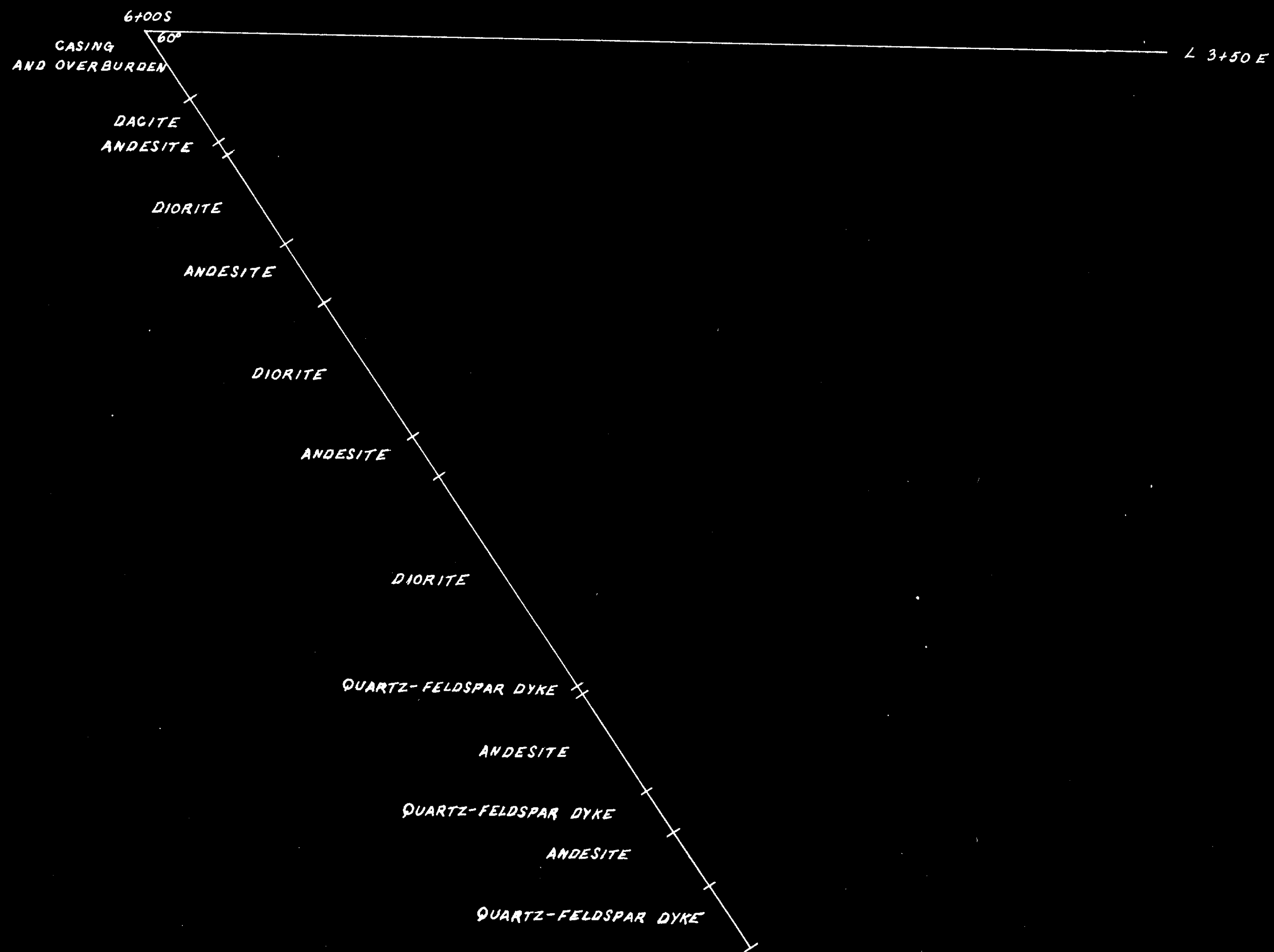
220

520/15W-0015, #3

#185

NEW JERSEY ZINC EXPLORATION COMPANY
(CANADA) LTD.
SECTION
DIAMOND DRILL HOLE 1-11-71
PROPERTY LANG LAKE
SCALE 1" = 10' DATE AUG. 26, 1971
LOGGED D.B. DRAWN W.H.C.





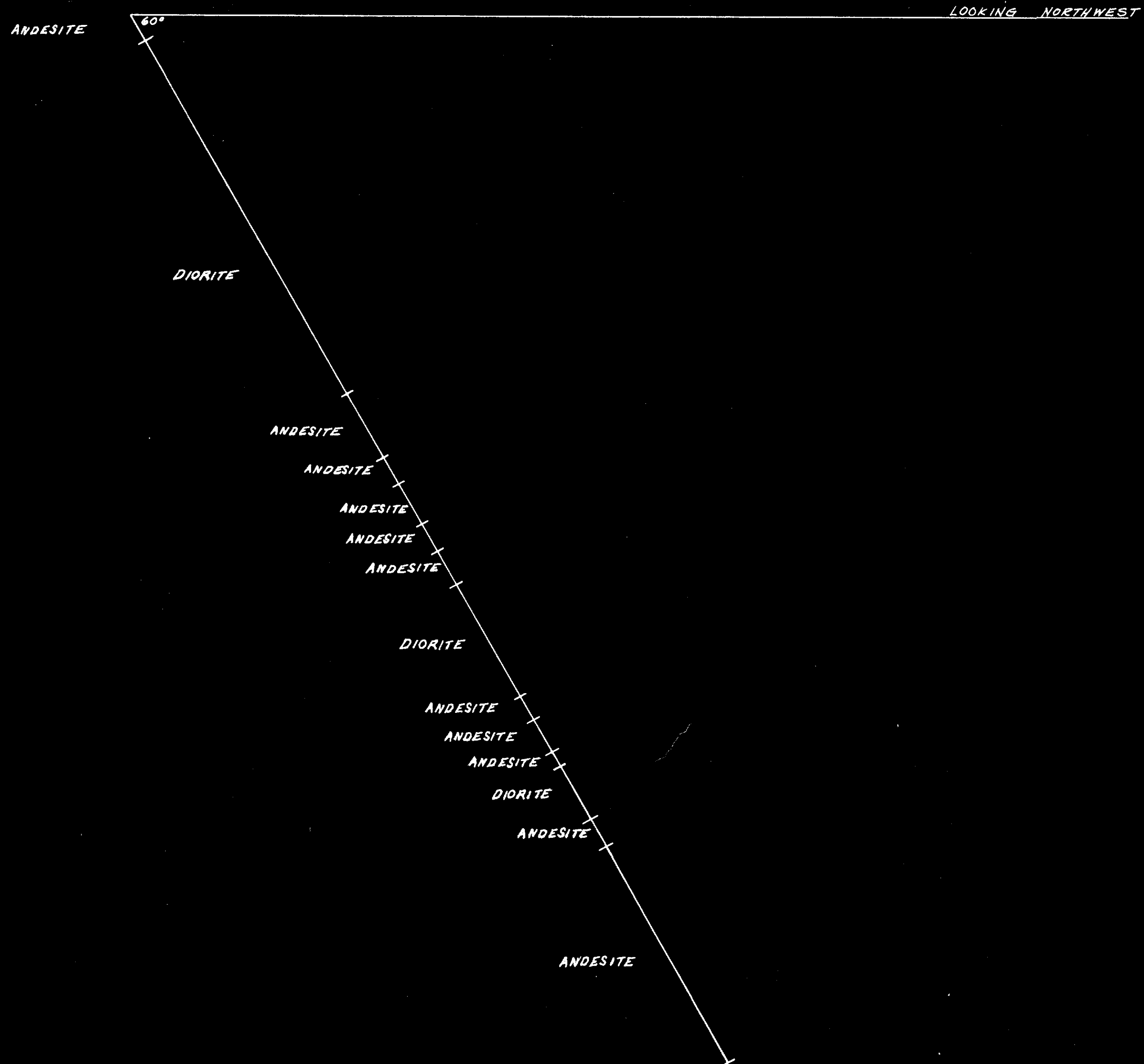
520115W0001 520115W0015 MCV/CAR LAKE

240

520/11SW-0015, #5

185

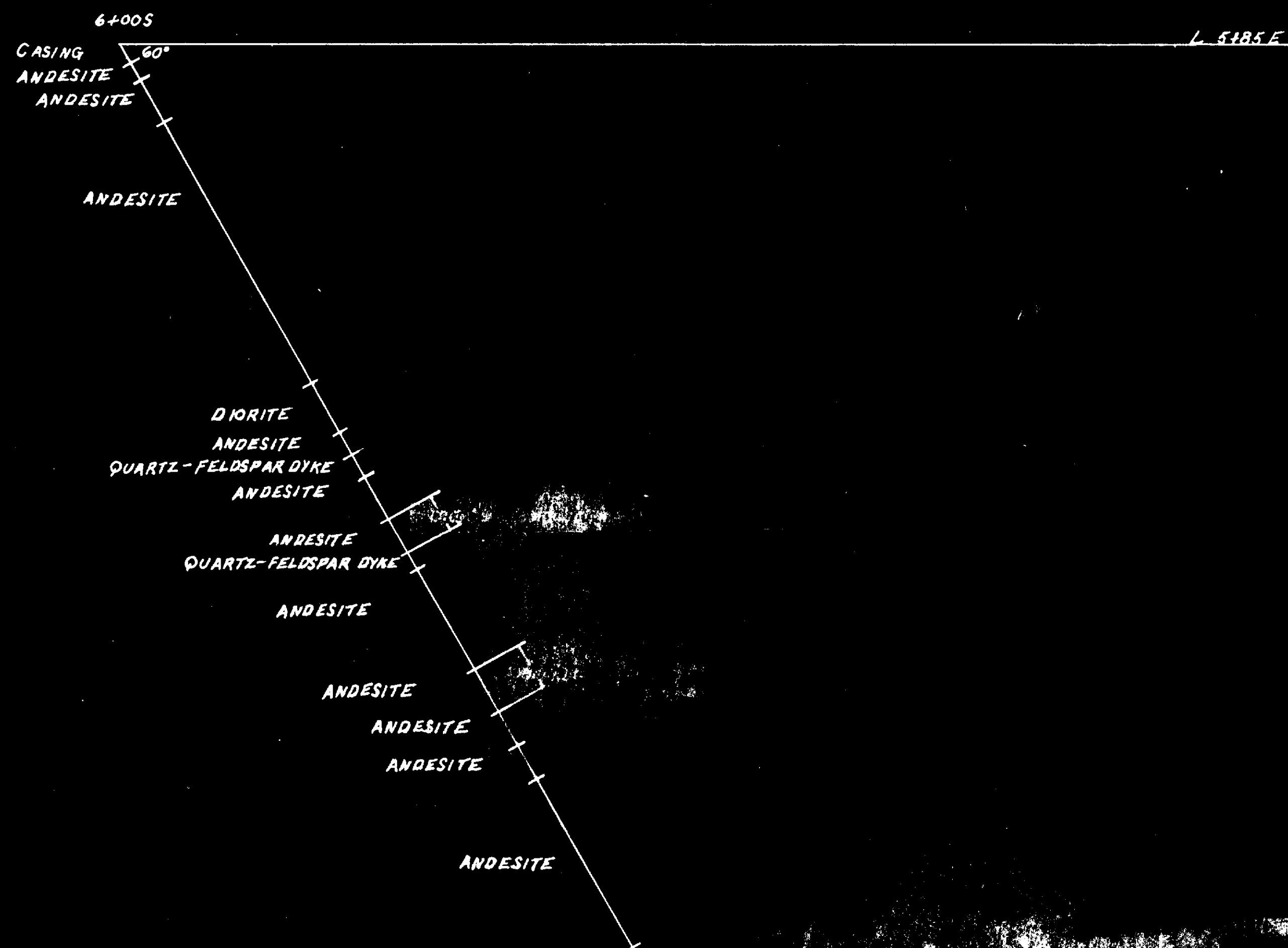
NEW JERSEY ZINC EXPLORATION COMPANY
(CANADA) LTD.
SECTION
DIAMOND DRILL HOLE 3-44-71
PROPERTY LANG LAKE
SCALE 1" = 10' DATE AUG. 26/71
LOGGED D.B. DRAWN W.H.C.



250

52011SW-0015, #6

NEW JERSEY ZINC EXPLORATION COMPANY
(CANADA) LTD.
SECTION
DIAMOND DRILL HOLE 4-LL-71
PROPERTY LANG LAKE
SCALE 1" = 10' DATE AUG. 26/71
LOGGED D.B. DRAWN W.H.E.



520115W0061 520115W0015 MOVICAR LAKE

260

520/11SW-0015, #7

NEW JERSEY ZINC EXPLORATION COMPANY
(CANADA) LTD.
SECTION
DIAMOND DRILL HOLE 5-11-71
PROPERTY LANG LAKE
SCALE 1" = 10' DATE AUG. 26/71
LOGGED D.B. DRAWN W.H.B.