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FEB 23 1982

MINING LANDS SECTION



42A01NE0285 2.4570 GRENFELL

GEOLOGICAL MAPPING
JOHN SIROLA PROPERTY

GRENFELL TOWNSHIP, LARDER LAKE MINING DIVISION

CLAIM L 522687 - 93 incl., & L 512579

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2.4570
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MINING LANDS SECTION

GENERAL

A geological survey was carried out on the above claims during the months of July and August, 1981. The results of the survey are as shown on the accompanying map.

Aerial photographs were used to indicate possible lineaments.

A gold discovery on claim L 512579 was explored by underground workings in the early 1930's. All available information on this gold showing is appended. None of the drill logs can be located.

The claims, owned by John Sirola, 1 Ruby Street, Cobalt, Ontario, are located in the northeast part of Grenfell Township, Larder Lake mining division. Access is by bush road approximately 3 miles southeast of Sesekinika village. This road, suitable for travel by four-wheel-drive vehicles, extends to the central part of the property.

The topography of the claims is typical of the area - swamps and low hills.

Foliage consists of second growth poplar, birch and maple on the higher ground and cedar, balsam and spruce in the swampy areas.

CONTROL GRID

East-west profile lines were turned off at 120 metre intervals from a centrally located north-south control line. All lines were compassed, blazed and flagged, and marked at 30 metre intervals, using a hip chain for measurements. There is a total of 19.8 kilometres of line in the grid.

GEOLOGY

Rock Types

The property is underlain by rocks of the Kinojevis group which, for the most part, are volcanic in origin and consist of two main rock

GEOLOGY

Rock Types (cont'd)

types:- a coarse-grained dark colored tholeiitic basalt and a fine-grained andesitic type. The former is quite magnetic as compared to the latter.

An exposure with porphyritic texture showing feldspar phenocrysts was noted on line 600 south at 30 metres east. No contacts were visible on this exposure.

Although pillow tops were observed in several locations, only at one place, line 120 north and 690 metres east, were they determined as facing east and having a northerly strike.

Veins

At 100 metres west on line 665 north, in fine-grained andesitic rocks, quartz stringers occur in a north-south shear from 20 to 25 cms. in width.

At 690 metres east on line 120 north, a quartz vein 3 to 10 cms. in width was stripped for a length of 5 metres. The vein, in fine-grained lava, was sparsely mineralized with pyrite.

Available information regarding the gold-bearing veins on claim L 512579 and the underground workings is appended. Of importance is the fact that these veins occur along the contact between the coarse and fine volcanics.

Structure

At 555 metres east on line 480 north a shear, from 15 to 25 cms. in width containing pyrite mineralization, strikes 350° in fine-grained andesite.

Five lineaments, as taken from aerial photographs, occur on the property. These are noted as "A", "B", "C" "D" and "E" on the accompanying map. All coincide with V.L.F. anomalies.

The structural trend as indicated by two interpolated contacts, swings from northeast in the south central part of the property to northerly in the north. (See map)

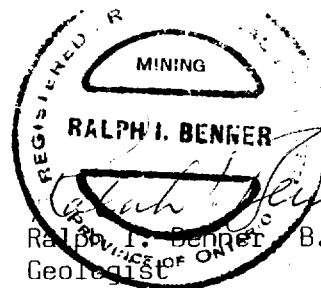
CONCLUSIONS

Apart from the surface trenching carried out to extend the known veins containing gold on claim L 512579, the writer saw little evidence of trenching or stripping on any of the remaining claims.

The main gold showing on claim L 512579 and the "Shea" gold-bearing vein 625 feet to the southwest, are located along the contact between the fine-grained andesites and the coarse-grained tholeiites. Sufficient outcroppings have been located so that an interpolation of the trend of two such contacts is possible as shown on accompanying map.

As the tholeiites are quite magnetic compared to the fine-grained andesites, it is recommended that a magnetic survey be carried out on profiles 60 metres apart in order to pin point the contact area and so facilitate prospecting along this structure.

February 15, 1982



Ralph I. Benner B.Sc., P.Eng.
Geologist

21092



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MINING CLAIMS L512579 & L522687-93 INCL.

GRENFELL TWP. LARDER LAKE M.D. ONT.

A SUMMARIZED DESCRIPTION

- NAME ----- Identified by Claim Numbers as above, at present.
Formerly Kirkland Consolidated and Kiryan Gold Mines.
- LOCATION - 2.5 miles S.E. of Sesekinika Village.
Lat. 48 10' 30" Long. 80 11' 15".
- ACCESS --- 1 mile east by gravel road from Sesekinika, then
2.1 miles S.E. by 4-wheel drive bush road.
- PROPERTY --8 contiguous claims held by John Sirola.

HISTORY

- 1932 - A 60' vertical, 2-compartment shaft was sunk on a high grade gold vein by the Woodward-Kirkland Syndicate.
Dec. 1932 property acquired by Kirkland Consolidated Gold Mines.
- 1933 - Shaft was deepened to 265' and new levels were established at 150 and 250 feet.
- 1934 - Property acquired by Kirkland Consolidated Mines Ltd.
Underground work continued, then curtailed.
- 1935 - Underground work resumed for a short period. Total development at this time; 60' level - 15' drifting & 14' crosscutting, a station at the 150' level, at 250' level, 800' drifting & 1300' crosscutting. Also 3270' of underground drilling & 2886' of surface diamond drilling.
- 1937 - Leased to Donald Sirola who made gold shipments from an open pit.
- 1938 - Acquired by Kiryan Gold Mines. Did some surface drilling in 1939, none in 1940.
- 1941 - Leased to D.S. Baird & T.M. Church - shaft was dewatered to 60' level, 15' of drifting and 16' of raising was done. 177 tons of ore were shipped.
- 1978 - The shaft area claim (L512579) was staked by John Sirola on Oct.7, 1978 and seven adjoining claims were acquired by transfer in 1979.
- 1979 - Examination, sampling and assessment work was carried out Aug.1 to Oct.30, 1979 under direction of John Sirola, Cobalt, Ontario.

- 2 -

PRODUCTION

In 1937 D.E. Sirola shipped from the open pit, a 1-ton hand sorted sample which yielded 10 ounces of gold. A second 1-ton shipment produced 17 ounces.

In 1941 Church & Baird shipped 177 tons from the 60 - foot level to the Morris Kirkland mill but no record of the grade has been found to-date.

THE GOLD OCCURRENCES

MAIN VEIN - Strike N-48 -E, Dip 79 S.E., located on south side of open pit and partly exposed by it. A 1932 assay plan shows the average sampling width as 2.03 feet and a sampled length of 39 feet. Trenching may expose additional length at either or both ends. Assays range from 0.37 ounces per ton across 12 inches to 26.0 ounces per ton across 48 inches. The occurrence occupies a fault zone and consists of quartz stringers, schist and quartz-carbonate-filled breccia. The zone is sparsely mineralized with pyrite and chalcopryrite. Scheelite is present but the amount has not been determined.

OPEN PIT - Lessees observed spectacular gold in quartz stringers on the north side of the open pit and made the shipments mentioned earlier. Sampling by the writer showed widely distributed gold in the pit walls and visible gold where the pit exposes the main vein zone. Please refer to the attached assay plan.

SHEA VEIN - A vein of white quartz 1 to 2 feet wide striking 111° azimuth and dipping 65° N.E. is exposed by trenches and pits over a length of 165 feet. The location is 725 feet southwest of the shaft. The grab samples assayed 0.013 and 0.028 ounces per ton in gold but reliable sources report that free gold has been found in the quartz.

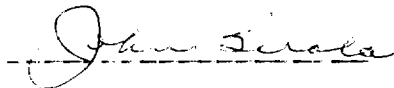
UNDERGROUND - An independent observer reported seeing 40 powder boxes of high grade gold ore taken from underground at this property, presumably from the 60-foot level.

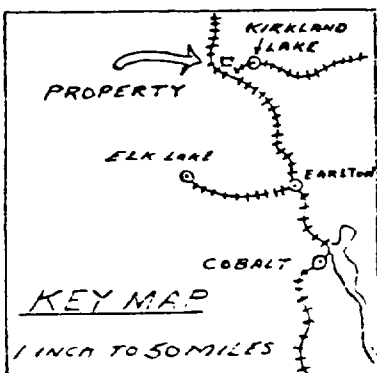
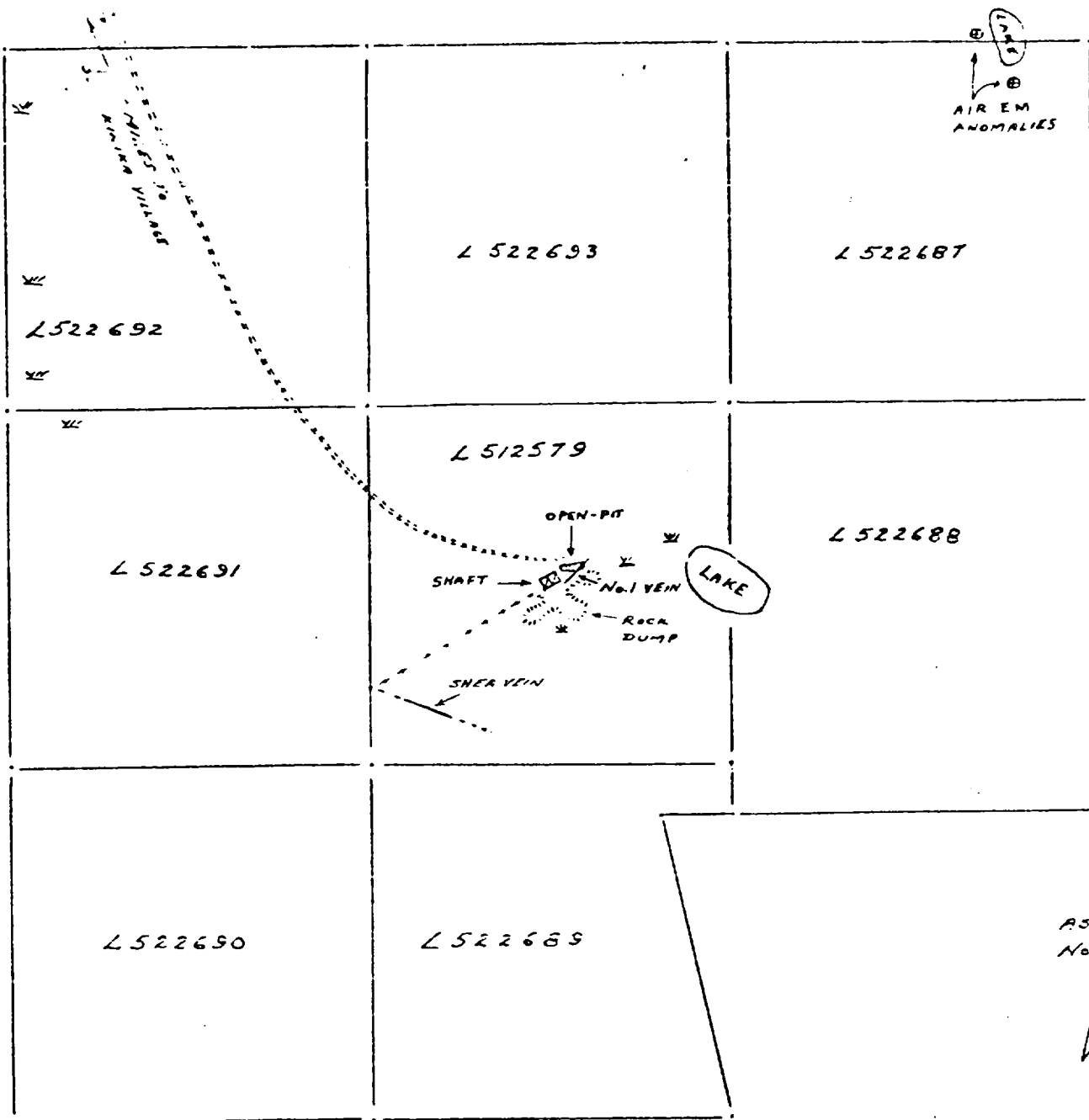
Another observer reported a very high grade area on the 250-foot level of the mine.

A local resident familiar with the property stated that good gold values were intersected in the two drill holes northwest of the shaft.

Feb.20, 1982.

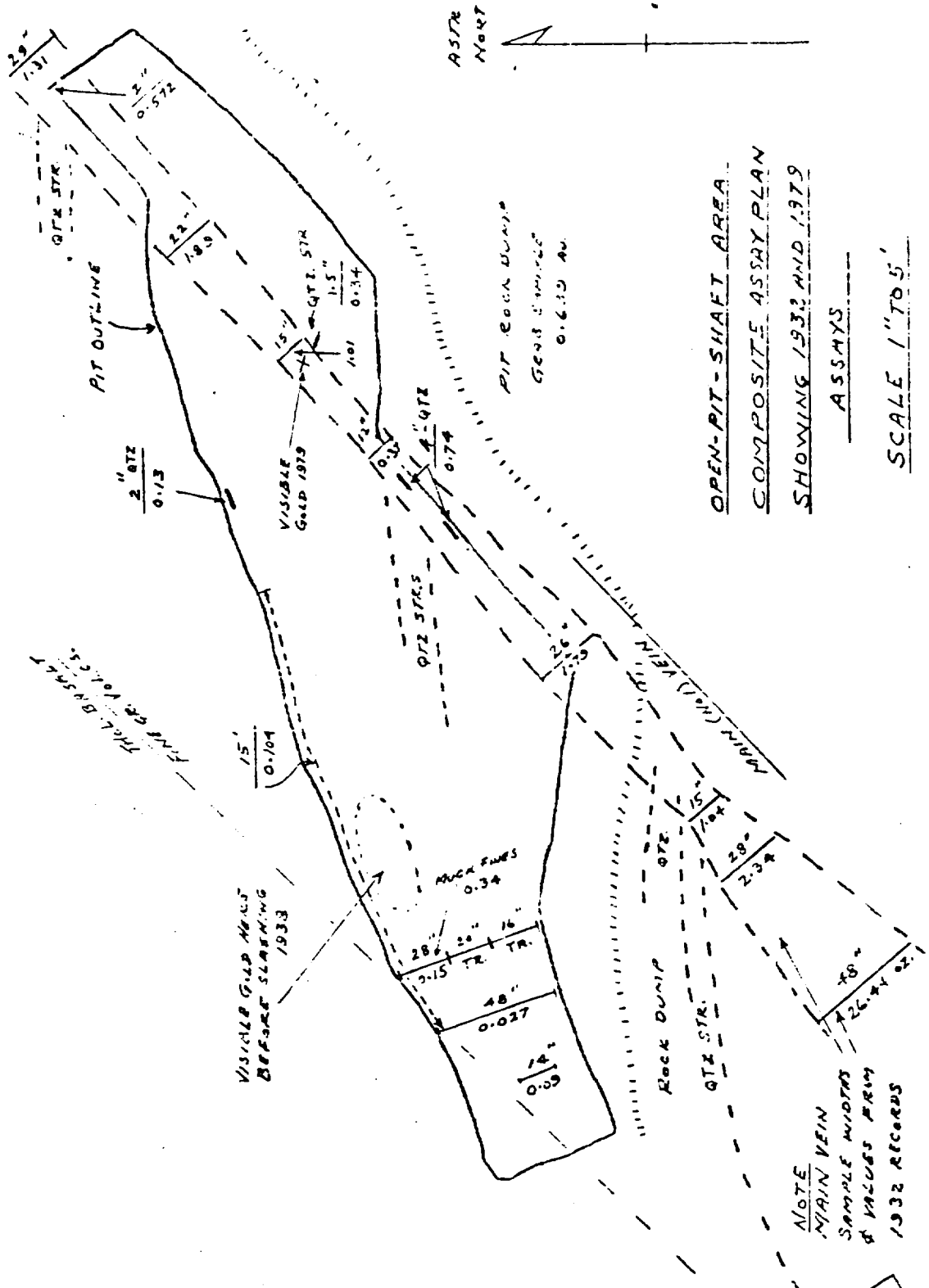
John Sirola, P.Eng.,





PROPERTY MAP
SHOWING LOCATION OF WORKINGS
SCALE 1" TO 600'

J.S.
 FEB. 1985

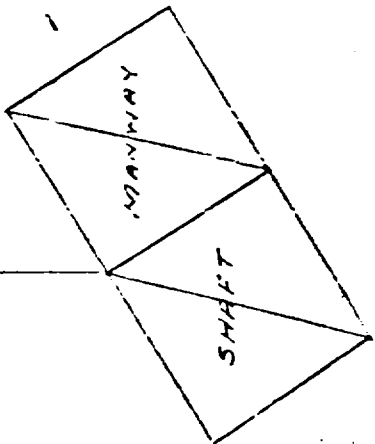


ASTR
MORT

OPEN-PIT-SHAFT AREA
COMPOSITE ASSAY PLAN
SHOWING 1932 AND 1979
ASSAYS
SCALE 1"=50'

THICK BR. SHAFT
 15' 0.104
 VISUAL GOLD AGGREGATE
 BEFORE SLAMMING
 1933

660' NORTH OF
 660' EAST TO
 POST NO. 1 OF
 L 512579



NOTE
 MAIN VEIN
 SAMPLE WIDTHS
 & VALUES FROM
 1932 RECORDS

J.S.

FEB. 1980

DEC. 1941

JS COPY

VAN DER VOORT, GALLIVAN & VAN DER VOORT

BARRISTERS & SOLICITORS

M. P. VAN DER VOORT T. J. GALLIVAN
M. C. VAN DER VOORT E. L. O'REILLY

CABLE ADDRESS "VANDER"
TELEPHONE WAYERLEY 2204

SUITE 403 ATLAS BLDG
380 BAY STREET

TORONTO CANADA



42A01NE0285 2.4570 GRENFELL

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Dear Sir:-

In response to your request for information on the Kiryan Gold Mines Limited property, I set out in brief the following:

It consists of fourteen patented mining claims situate at the north east portion of the Township of Grenfell, comprising approximately 560 acres - eight miles northwest of Kirkland Lake and three miles from the T. and N. O. Railway.

616-1300

The most interesting showing thereon is on the Sirola vein, where a pit 28 feet deep and 40 feet long has been excavated. This vein shows a width of 12 feet at the West end and 6 feet at the East end.

Recently the Dominion Government Geologist, Eardley Wilmot, in search for scheelite, visited the property and by use of an ultra violet ray, reported that there was considerable scheelite in the ore. Samples were sent down for assay at the Ontario Government laboratory and the following assays were obtained, computed at - Gold \$35.00 per ounce - Tungsten Trioxide \$1.42 per pound, P.O.B. Welland, Ontario.

SIROLA VEIN.

A pit has been sunk 28 feet deep, 12 feet wide at one end, 6 feet wide, at the other, and 40 feet long.

Sample No. 1 - being a representative sample from the dump at the west end of an open cut 12 feet wide and 28 feet deep at this zone, giving a face thereof of 12 feet by 28 feet -

Gold \$26.250 0.75% \$375. @ \$500/oz.
Tungsten Width 12 feet.
Trioxide (19.188) 0.7%

Sample No. 2 - representative sample at the east end of the pit 40 feet to the eastward, face 6 feet wide by 28 feet deep -

Gold \$146.300 4.18% \$2090.63 @ \$500/oz.
Tungsten Width 6 feet
Trioxide (36.792) 1.3%

December 19th, 1941

Sample No. 3 - typical sample of tungsten appearing ore

Tungsten
(Trioxide) \$19.88 0.7%

Sample No. 4 - Representative sample ~~cut from~~ ~~material~~ obtained from the open cut at a depth of 28 feet over a width of 6 feet -

2.42 oz. \$1210.36 @ \$500/oz.
Gold - \$4.70 width 6 feet

Sample No. 5 - Representative sample of typical material mined at 60 foot level in stone - average width 10 feet

Gold - \$24.50 0.7% @ \$350.00 @ \$500/oz.

Considerable work has been done and good values in gold have been found on No. 1 Vein and also on shaft vein channel samples from which show the following :

Number 1 vein.

The following is a list of channel samples from the Number One Vein from west to east along the east drift on the (250 foot level).

Taken at intervals of approximately five feet over a length of one hundred and eighty feet. Gold at \$35.00 an ounce:

	AT \$35/oz.	OZ/TON	AT \$500/oz.
12 inches, vein	\$29.07	0.83	\$415.41
12 "	259.92	7.43	3714.26
12 "	47.49	1.35	707.21
22 "	2.03	0.058	29.00
14 "	5.58	0.159	79.74
14 "	4.56	0.130	65.16
20 "	1.01	0.0288	14.43
8 "	7.27	0.2077	103.88
10 "	3.55	0.1014	50.69
14 "	5.58	0.1594	79.74
18 "	2.37	0.0677	33.86
18 "	1.01	0.0288	14.43
36 "	10.82	0.3091	154.62
12 "	8.79	0.2511	125.61
21 "	42.25	1.2071	603.75
12 "	2.70	0.0771	38.58
12 "	2.70	0.0771	38.58
18 "	6.93	0.198	99.03

December 19th, 1941.

	AT \$35./oz.	OZ./TON	AT \$500/oz.
8 inches, vein	\$116.95	3.34	1670.71
8 "	8.79	0.2511	125.55
18 "	1.35	0.0386	19.29
20 "	2.70	0.0771	38.57
20 "	11.15	0.3185	158.29
12 "	29.74	0.8506	425.34
14 "	6.25	0.1785	89.29
28 "	10.48	0.2994	149.71
14 "	1.69	0.0482	24.14
14 "	.68	0.0194	9.71
12 "	8.11	0.2317	115.86
8 "	13.69	0.3911	195.57
9 "	4.90	0.1400	70.00
12 "	1.35	0.0386	19.29

SHAFT VEIN.

A Quartz Vein appears in the shaft at approximately ninety feet and continues in the shaft to the station at the 150 foot level. This vein strikes east and west and dips at a very steep angle to the north, and occurs in the Gabbro, north of the Basalt contact. It is possible that this vein may be the downward extension of a large Quartz stringer contained in the Sirola Vein, as material from this vein is similar to that of the Sirola orebody.

Values.

The following is a list of channel sample values down the shaft on this vein. Intervals of approximately four feet from ninety feet horizon down to one hundred and fifty

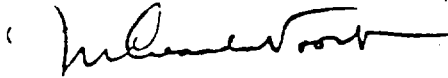
	AT \$35./oz.	OZ./TON	AT \$500/oz.
3 inches, vein	\$24.18	0.6908	345.43
10 "	2.03	0.0580	29.00
8 "	138.07	3.9449	1972.43
8 "	67.43	1.9265	963.29
16 "	6.25	0.1785	89.29
Grab	16.39	0.4682	234.14
7 "	47.49	1.3548	678.43
2 "	.17	0.0048	2.43
14 "	.68	0.0194	9.71
6 "	9.80	0.28	140.00
10 "	1.69	0.048	24.14
16 "	2.70	0.077	38.57
14 "	6.25	0.1785	89.29
12 "	28.22	0.8062	403.14
8 "	22.98	0.6566	328.29
2 "	28.56	0.816	408.00

December 19th, 1941.

		AT \$35./OZ.	OZ./TON	AT \$500/OZ.
6 inches.	Vein	2.03	0.058	29.00
4	"	10.14	0.2897	144.86
12	"	6.59	0.1883	94.14

I have in my files very full Reports covering the said property, which will be available to you for examination at any time, in the event that you are further interested.

Yours very truly,



MCV/DP.

INFORMATIONAL BULLETIN

Kiryan Gold Mines Limited

(No Pe



42A01NE0285 2.4570 GRENFELL

040

CAPITAL

Authorized 3,500,000 Shares of \$1.00 Par Value
Issued 1,150,005 Shares (Dec. 14th, 1938)
Treasury 2,349,995

N.B.—One million shares of the shares shown as "issued" were issued in payment for the property and held in escrow.

OFFICERS AND DIRECTORS

President

EDWARD J. O'BRIEN
Kenmore, N.Y.

Secretary

E. J. KIEFER
Hamburg, N.Y.

Director

H J. O'BRIEN
Kenmore, N.Y.

Director

ARTHUR C. KUGEL
Buffalo, N.Y.

Director

IRA SCHEIFLEY
Alma, Mich.

C/o L. S. Kelly & Co.

TRANSFER AGENT AND REGISTRAR

THE PREMIER TRUST COMPANY
Toronto

HEAD OFFICE
Excelsior Life Building
TORONTO

*Recd
Office*

Kiryan Gold Mines Limited

(No Personal Liability)

PROPERTY

The Company's property, which was purchased from Kirkland Consolidated Mines Limited, comprises fifteen patented claims (approx. 605 acres) in a compact block situated in Grenfell Township, Kirkland Lake Gold Mining Area.

The property lies about eight miles northwest of the town of Kirkland Lake and from that point, can be reached via Highway No. 71 to Sesikinika Station, on the Temiskaming and Northern Ontario Railway, and thence by a four mile bush road. Supplies and equipment can be transported by truck directly from rail to the property at reasonable cost. Transportation, therefore, presents no problem.

PLANT AND EQUIPMENT

The main buildings include an office, cookery, bunkhouses providing accommodation for a crew of about 30 men.

Major mining equipment consists of a steam driven compressor, hoist, boiler, buckets, ore cars, etc.

DEVELOPMENT

Under former ownership, a two-compartment shaft was sunk to a depth of 265 feet with levels established at 60 ft., 150 ft., and 250 ft. Approximately 30 feet of drifting was done on the 60 ft. level. A station was cut on the 150 ft. level but no lateral work was done. Major effort was directed towards the 250 foot level where a total of 2,050 feet of drifting and crosscutting was completed.

In addition to the above several thousand feet of diamond drilling has been done.

DEVELOPMENT RESULTS

In a report dated December 1st, 1936 and on file at the Company's head office, Murray Watts, geologist, outlines important geological conditions and the various veins disclosed in surface and underground development, also in diamond drilling.

Main Fault

The Main Fault referred to as a "vein" by former operators is important structurally because it is in branch fractures from it—such as the Shaft and Sirola veins—that ore bearing veins may be expected to occur. Some 250 feet of drifting was done on the 250 ft. level which disclosed some free gold and fair values.

Veins:

No. 2, No. 3, No. 6 and Shea Veins.

These veins all contained interesting gold values and some of them, notably the Shea and No. 6 veins, warrant further investigation.

Shaft Vein

This vein comes into the shaft at a vertical depth of 88 feet and dips out again at the 150 ft. level station. Sampling for 50 feet in the shaft in the west wall averaged 1.29 ounces gold (\$45.15) across 7.5 inches. The east wall gave an average of .31 ounces (\$10.85) over 8.4 inches. This vein is a subsidiary fracture off the main fault.

Sirola Vein

This is an irregular displacement vein branching off from the main fault at an angle of 30 degrees to the fault plane. It has been attacked by the "open cut" method for a length of 30 feet and to a depth of 12 feet. The average width is 4 to 5 feet. It is a strong vein and although no further outcrops have been uncovered, further work should prove continuity for a considerable distance.

Two bulk shipments were made by former operators of 1,929 tons which is reported to have returned 20.42 ounces of gold having a gross value of \$714.77.

H. C. Lane, M.Sc., estimated the minimum average value of the ore to be (\$7.92) to the ton from 100 tons of vein material, after mining 300 tons. Since much mineralized material carrying high gold values was discarded, there is no question but that the section "open cut" will make good ore grade.

\$ 10,210.00 @ 50¢/oz.
\$ 13.44 @ 50¢/oz.

ORE FINDING POSSIBILITIES

In a later report, dated January 20th, 1930 and open for perusal at the Company's head office Murray Watts recommends a campaign of diamond drilling as the initial step in further exploratory effort. The program as laid out by the geologist is designed to test his interesting geological theory that it is in the diorite formation rather than in the greenstones, where the bulk of previous work has been done, that the best ore-finding chances exist.

"From my present knowledge", the report states, "I regard the key to the whole ore situation on this property to be tied up, or linked up, with the great block of greenstone immediately south of the shaft and bounded on three sides by diorite. The exact relationship is as yet, far from evident but I believe that by careful, persistent work it can be solved, and with it will come the knowledge to properly guide the search for ore shoots

"Historically and geologically speaking, this great block of greenstone, belonging to the ancient volcanic flow rocks of Keewatin age, was caught up or engulfed by the intruding diorite during its dying phases of activity. During further cooling and contraction differential stresses were set up between the relatively fine-grained, tough, resistant, non-flexible greenstone and the coarser-grained, more brittle diorite. These stresses led to fracturing of these rocks especially near the contacts of these two main masses with their resultant fault zones, some of which, depending on the relative competency of the rock affected, formed mudgouge fault zones or fault breccia zones as in the Sirola Vein, and of which No. 6 is certainly the same type.

It is the fault breccia zones rather than the mudgouge zones that would act as the favorable host rock for the formation of ore bodies. The corroborating evidence is found in the Sirola Vein, geology and ore relationship from drill records, and drilling records in the main fault on the 250 ft. level"

SUMMARY

KIRYAN GOLD MINES property is situated in the Kirkland Lake Gold area, an area now accorded front rank position among the world's most famous mining camps.

Geological conditions on the property as disclosed by exploration and development indicates the presence of gold bearing ore

A number of interesting occurrences has been revealed by work which is indicative of the presence of ore of commercial grade

Bulk sampling of one of these occurrences, the Sirola Vein involving 46.7 tons of material, has returned an average gold content valued at \$15.60 per ton, \$222.86 @ \$500/oz.

Diamond drilling has indicated the persistence of favorable ore-making conditions to considerable depth with actual ore values encountered

Only a relatively small sector of the fifteen claim group has been even superficially investigated—the most favorable geologically, according to Murray Watts, remains to be explored.

After careful study, Murray Watts, has recommended a program of diamond drilling to test his theory as to ore occurrence.

The results of this program may open a broad vista of new possibilities.

Provision to secure the necessary funds to carry out work recommended has been made through financial arrangements recently completed.

A contract for an extensive program of drilling has been let.

Considering all the facts and circumstances, the shares of KIRYAN GOLD MINES LIMITED unquestionably rank as an exceptionally promising gold mining speculation.

DIAMOND DRILLING RESULTS

While the geologist found the former owner's records of locations of diamond drill holes and logs incomplete, certain results were obtained which he considers valuable as a guide to further work.

Diamond Drill Hole No. 16 intersected 30 feet in a well mineralized quartz vein assaying 0.41 ounces (\$14.35) at a depth of 665 feet in what is thought to be the Shea Vein. \$ 2.05/TON @ \$500/oz.

There were also three drill holes that traversed a diorite-porphry contact intersecting a vein each time, designated Vein No. 6, with three of the intersections carrying interesting gold values, recorded as follows:

Hole No. 9 drilled from 250 foot level cut porphyry at a depth of 285 feet, 10 feet assaying \$4.55 per ton. \$ 65.00/TON @ \$500/oz.

Hole No. 4 drilled from the same level gave 3 foot of core at 290 feet assaying 2.22 ounces (\$77.70). \$ 1100/TON @ \$500/oz.

Hole No. 14 intersected this contact with 5.0 feet of core assaying 0.25 ounces (\$8.75) at a depth of 665 feet. \$ 125/TON @ \$500/oz.

BULK SAMPLING RESULTS

Recent bulk sampling of the "open cut" on the Siroka Vein gave the following results as reported by the Temiskaming Testing Laboratories:

Dry Weight Pounds	Gold Ounces Per Ton	Value Per Ton @ \$500/oz.	\$ 500/oz.
2827.7	2.225	\$77.875	1112.50
3323.5	0.57	19.95	285.00
1370.5	1.38	48.30	690.00
1413.6	1.33	46.55	665.00
1364.6	0.24	8.40	120.00
1357.4	0.26	9.10	130.00
1351.2	0.23	8.05	115.00
1292.3	0.23	8.05	115.00
1352.7	0.08	2.80	40.00
1354.6	0.06	2.10	30.00
1366.5	0.20	7.00	100.00
1368.5	0.20	7.00	100.00
1481.0	0.17	5.95	85.00
1487.0	0.16	5.60	80.00
1459.0	0.20	7.00	100.00
1453.0	0.18	6.30	90.00
1792.0	0.27	9.45	135.00
1823.0	0.08	2.80	40.00
1896.0	0.05	1.75	25.00
1750.0	0.06	2.10	30.00
1830.0	0.11	3.85	55.00
2042.0	0.20	7.00	100.00
903.0	0.52	18.20	260.00
979.0	0.88	30.80	440.00
1183.0	0.86	30.10	430.00
1200.0	0.17	5.95	85.00
1190.0	0.17	5.95	85.00
1208.0	0.29	10.15	145.00

Murray Watts has interpreted the above sampling results as follows:

On the basis of 28 samples aggregating 21,709 tons, the average grade is \$10.20 per ton across a width of 5.2 feet. AT \$500/oz.
10.20 x 500 = 5100

On the basis of 21 samples, eliminating marginal material, aggregating 15,705 tons, the average grade is \$15.60 across a width of 3.93 feet.

$$\begin{aligned} & \text{AT } \$500/\text{oz.} \\ & 15.60 \times \frac{500}{35} = \$222.86 \end{aligned}$$



42A01NE0285 2.4570 GRENFELL

File _____

900

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) GEOLOGICAL

Township or Area GRENFELL

Claim Holder(s) JOHN SIROLA
1 RUBY ST, COBALT, ONT. POLICE

Survey Company RALPH I. BENNER

Author of Report RALPH I. BENNER

Address of Author BOX 208 COBALT, ONT, POLICE

Covering Dates of Survey JULY AND AUGUST, 1981
(linecutting to office)

Total Miles of Line Cut 19.8 KILOMETRES

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
L	522687
L	522688
L	522689
L	522690
L	522691
L	522692
L	522693
L	512579

If space insufficient, attach list

**SPECIAL PROVISIONS
CREDITS REQUESTED**

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

DAYS per claim

Geophysical _____

—Electromagnetic _____

—Magnetometer _____

—Radiometric _____

—Other _____

Geological 20

Geochemical _____

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: Feb 15, 1982 SIGNATURE: Ralph I. Benner
Author of Report or Agent

RECEIVED

FEB 23 1982

MINING LANDS SECTION

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 8

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS – If more than one survey, specify data for each type of survey

Number of Stations _____ Number of Readings _____

Station interval _____ Line spacing _____

Profile scale _____

Contour interval _____

MAGNETIC

Instrument _____

Accuracy – Scale constant _____

Diurnal correction method _____

Base Station check-in interval (hours) _____

Base Station location and value _____

ELECTROMAGNETIC

Instrument _____

Coil configuration _____

Coil separation _____

Accuracy _____

Method: Fixed transmitter Shoot back In line Parallel line

Frequency _____
(specify V.L.F. station)

Parameters measured _____

GRAVITY

Instrument _____

Scale constant _____

Corrections made _____

Base station value and location _____

Elevation accuracy _____

INDUCED POLARIZATION
RESISTIVITY

Instrument _____

Method Time Domain Frequency Domain

Parameters – On time _____ Frequency _____

– Off time _____ Range _____

– Delay time _____

– Integration time _____

Power _____

Electrode array _____

Electrode spacing _____

Type of electrode _____

2.4570

1982 10 01

2.4570

Mining Recorder
Ministry of Natural Resources
4 Government Road East
P.O. Box 984
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

RE: Geological Survey on Mining Claims L 522687
et al in the Township of Grenfell

The Geological Survey assessment work credits as shown on the attached statement have been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your records.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1380

A. Barr:sc

Encls:

cc John Sirola
Cobalt, Ontario

cc Resident Geologist
Kirkland, Lake, Ontario



Mining Lands Comments

To: Geophysics

Comments

Approved

Wish to see again with corrections

Date

Signature

To: Geology - Expenditures

Mr Kustra

Comments

Approved

Wish to see again with corrections

Date

June 24/82

Signature

CKustra

To: Geochemistry

Comments

Approved

Wish to see again with corrections

Date

Signature



Recorded Holder **JOHN SIROLA**

Township or Area **GRENFILL TOWNSHIP**

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic _____ days	
Magnetometer _____ days	L 512579 L 522687 to 93 inclusive
Radiometric _____ days	
Induced polarization _____ days	
Section 86 (18) _____ days	
Geological 20 _____ days	
Geochemical _____ days	
Man days <input type="checkbox"/> Airborne <input type="checkbox"/>	
Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/>	
<input type="checkbox"/> Credits have been reduced because of partial coverage of claims.	
<input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 86 (15a) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey Insufficient technical data filed



Ontario

24570

Ministry of Natural Resources
Recording Office
4 Gov't Road East
Kirkland Lake, Ontario
P2N 1A2

Notification of recording
of assessment work credits

Lands Administration Branch
Mining Lands Section
Ministry of Natural Resources
Room 6450, Whitney Block
Queen's Park, Toronto
M7A 1W3

RECEIVED

MAR 12 1982

MINING LANDS SECTION

Date of recording of work: February 24, 1982

Recorded holder: John Sirola

Address: Box 354
Cobalt, Ontario POJ 1C0

Township or Area: Grenfell township

Type of survey and number of Assessment days credit per claim	Mining claims
Geophysical	L 512579 L 522687 to 522693 incl.
Electromagnetic _____ days	
Magnetometer _____ days	
Radiometric _____ days	
Induced polarization _____ days	
Section 86 (18) _____ days	
Geological <u>20</u> _____ days	
Geochemical _____ days	
Man days <input type="checkbox"/>	Airborne <input type="checkbox"/>
Special provision <input type="checkbox"/>	Ground <input type="checkbox"/>

Notice to recorded holder:

Survey reports and maps in duplicate be submitted to the Lands Administration Branch, Toronto within 60 days from the date of recording of this work.

Reports and maps are being forwarded to the Lands Administration Branch with this letter.

Mining recorder Acting
c.c. John Sirola

1982 03 01

2.4570

Mining Recorder
Ministry of Natural Resources
4 Government Road East
P.O. Box 984
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

We have received reports and maps for a Geological Survey submitted under special Provisions (credit for Performance and Coverage) on Mining Claims L 522687 et al in the Township of Grenfell.

This material will be examined and assessed and a statement of assessment work credits will be issued.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1316

J. Skura/amc

cc: John Sirola
Cobalt, Ontario

cc: Ralph Benner
Cobalt, Ontario

MAISONVILLE TWP. M-361

THE TOWNSHIP
OF
GRENFELL

DISTRICT OF
TIMISKAMING

LARDER LAKE
MINING DIVISION

SCALE: 1-INCH 40 CHAINS

LEGEND

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

NOTES

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

Lands shown thus  patented to O.N.Ry. OC dated Jan 10, 1911

Areas withdrawn from staking under Section 43 of the Mining Act, RSO 1970 (Sec 42, RSO '60)

Order No	File	Date	Disposition
(R1)	164 386		S.R.O.
(R2)	27993		S.R.O.
(W 48/B1)	27993	11/6/81	S.R.O.
(W 101/B1)		27/10/81	S.R.B.M.R.
(W 102/B1)		6/11/81	M.R.O.
(W 103/B1)		6/11/81	S.R.B.M.R.

All islands in Sesekinika Lake are withdrawn from staking by Order-in-Council dated Dec. 7, 1921.

DATE OF ISSUE

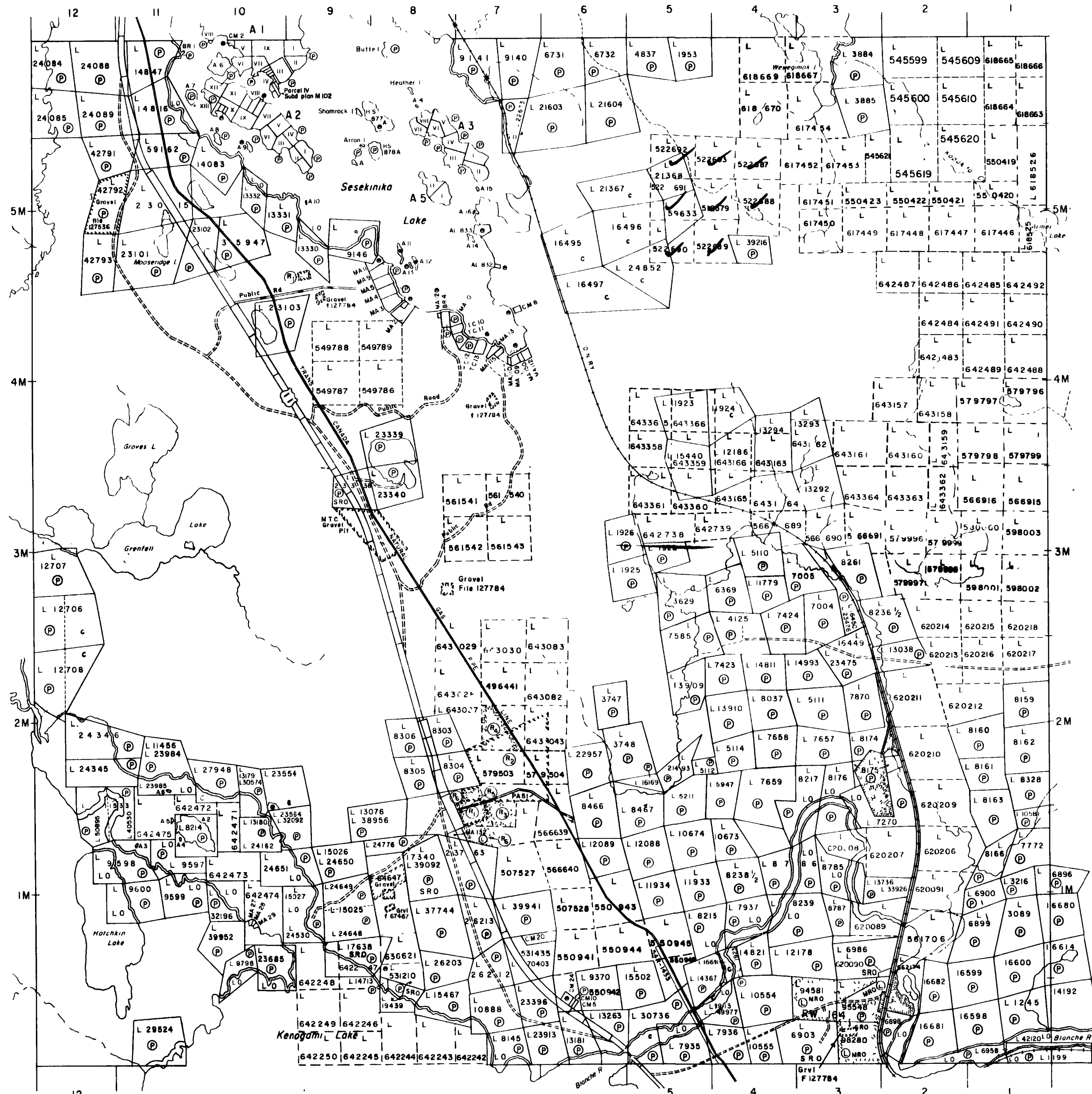
SEP 22 1982

Ministry of Natural Resources
TORONTO

24570

PLAN NO. **M-351**

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH



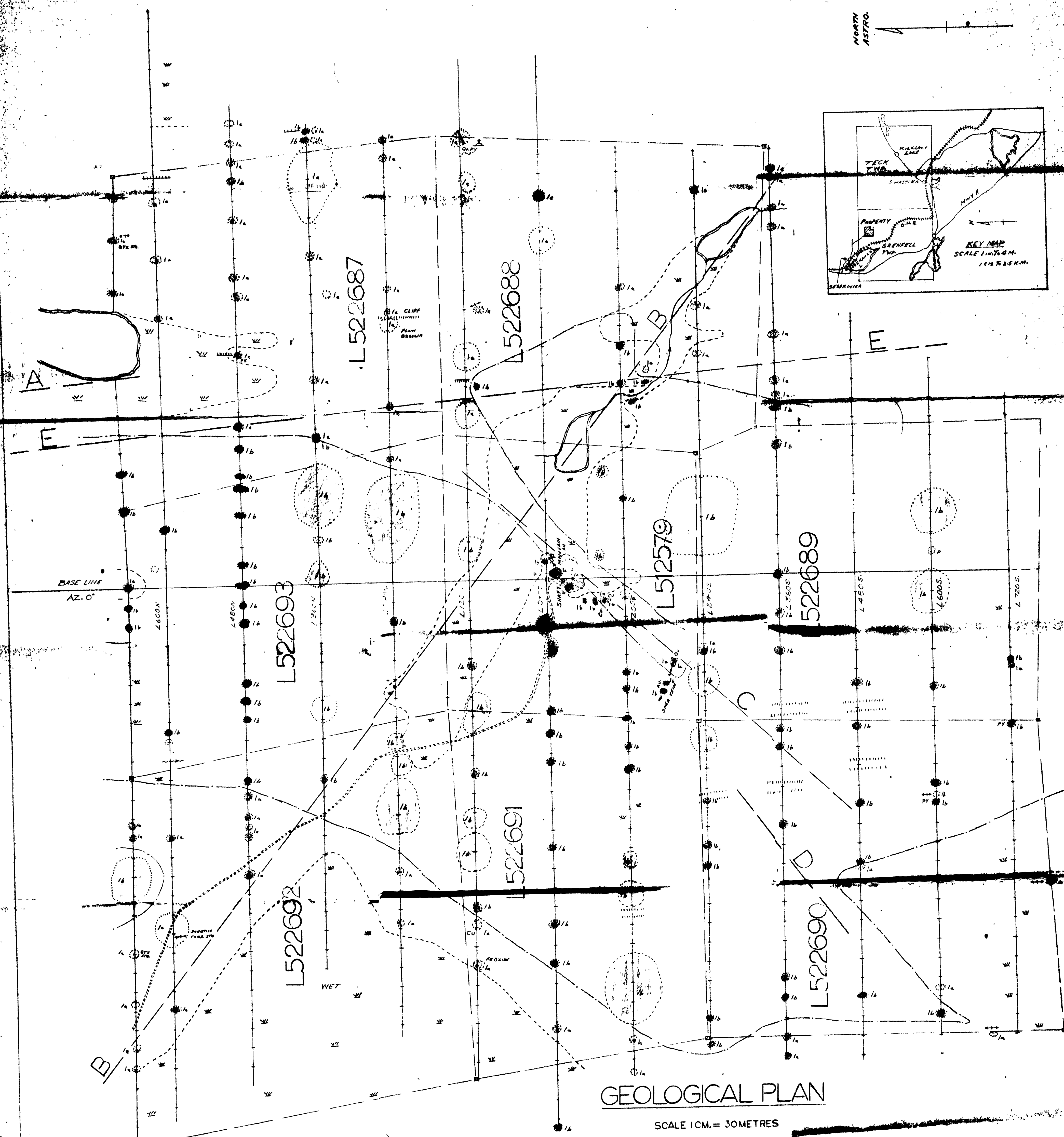
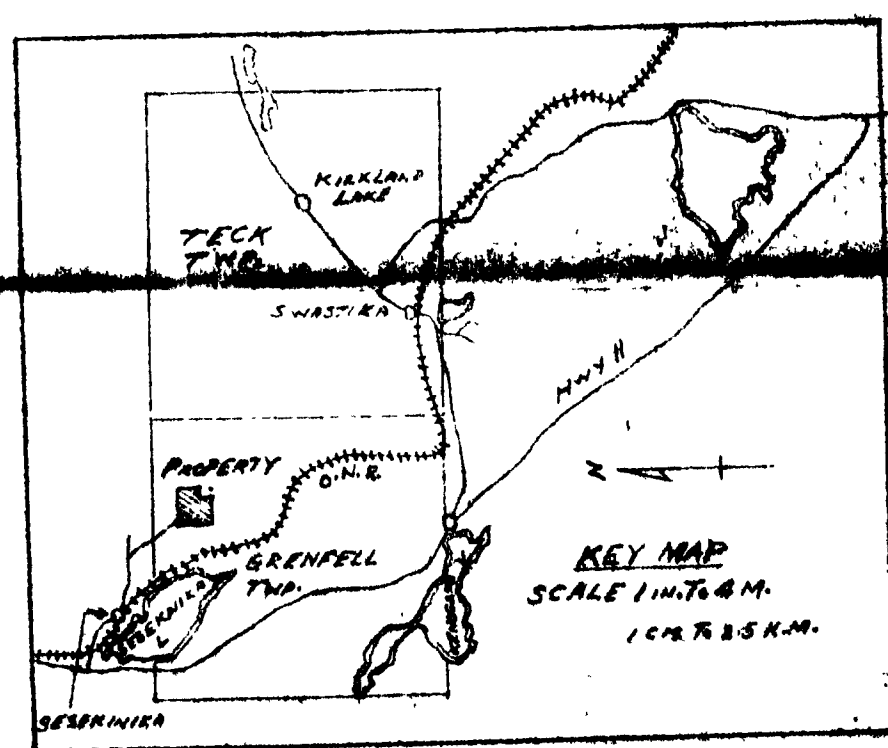
BOMPAS TWP. M-330

TECK TWP. M-392

EBY TWP. M-345



NORTH
ASTRO.



GEOLOGICAL PLAN

SCALE 1 CM. = 30 METRES

SYMBOLS

- SCHISTOSITY STRIKE
- STRIKE & DIP OF BEDS
- CONTACT, DEFINED
- CONTACT, INFERRED
- ESCAPMENT
- NARROW VALLEY
- FOLIOS & TOP DIRECTION
- ROCK EXPOSURE
- AIR PHOTO LINEAMENT
- SWAMP & OUTLINE
- ROAD
- CREEK
- ROCK DUMP
- CLAIM POST

LEGEND

- P [] PORPHYRY
- 1a [] BASALT, ANDESIT, DACITE
- 1b [] THOLEIITIC BASALT, GABBRO, DIABASE
- QUARTZ VEIN
- AU. GOLD
- CU. CHALCOPYRITE
- PY. IRON PYRITE

MINING CLAIMS L522687-93
AND L512579
GRENFELL TWP. ONT.
DATE OF SURVEY - JULY, AUG. 1981
DRAWN BY JANN SIROLA FEB. 1982

2.4570

