010

GEOLOGY REPORT

Claims L 531042, L 531043 & L 531082

Lebel Township Larder Lake Mining Division

Ontario

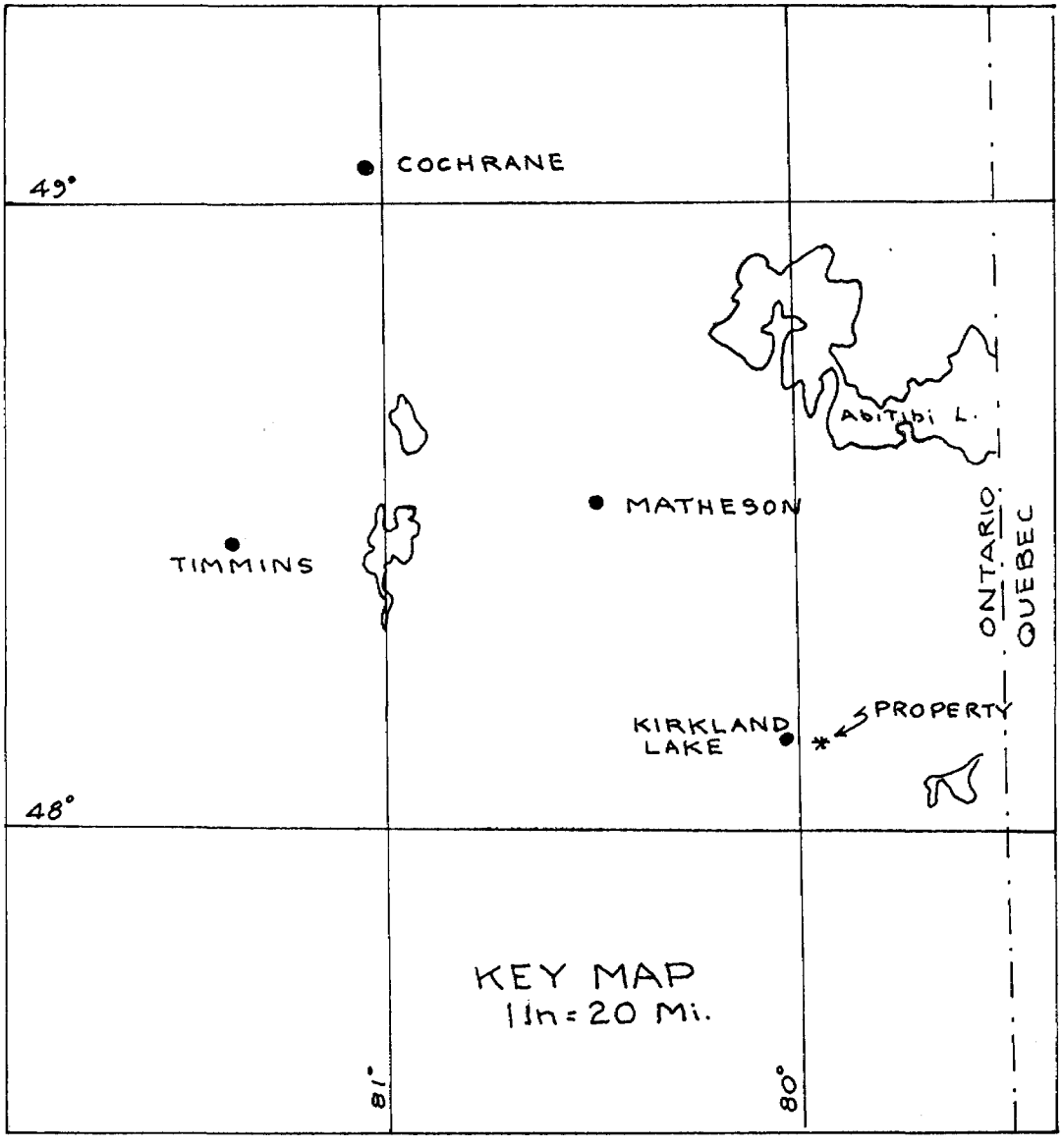
November 1984

G. E. Parsons

Prel. 63.935

P.S. Sketch No 1 of this report as submitted has the wrong scale. Please substitute the corrected Sketch No 1 attached to the two copies

G.E.P.


49°
COCHRANE
Abitibi L.
MATHESON
TIMMINS
ONTARIO
QUEBEC
KIRKLAND LAKE
PROPERTY
48°
KEY MAP
1 In = 20 Mi.
81°
80°

SKETCH No 1

GEOLOGY REPORT

Claims L 531042, L 531043 & L 531082

Lebel Township Larder Lake Mining Division

Ontario

November 1984

G. E. Parsons

PROPERTY

This report covers three mineral claims, - namely L 531042, L 531043 and L 531082. These claims were formerly patented as L 7758, L 1086 and L 3500 respectively, and the surface rights are still held by other parties under these original claim numbers.

The three mineral claims are registered in the name of R. Lawrence, Suite 801, 159 Bay Street, Toronto, M5J 1J7.

LOCATION & ACCESS

The three claims are in the central part of Lebel Twp. immediately southwest of and partly under Mud Lake.

Highway 66 crosses the claims which are immediately east of the village of King Kirkland and approximately four miles east of the town of Kirkland Lake.

Two Hydro transmission lines cross the property.

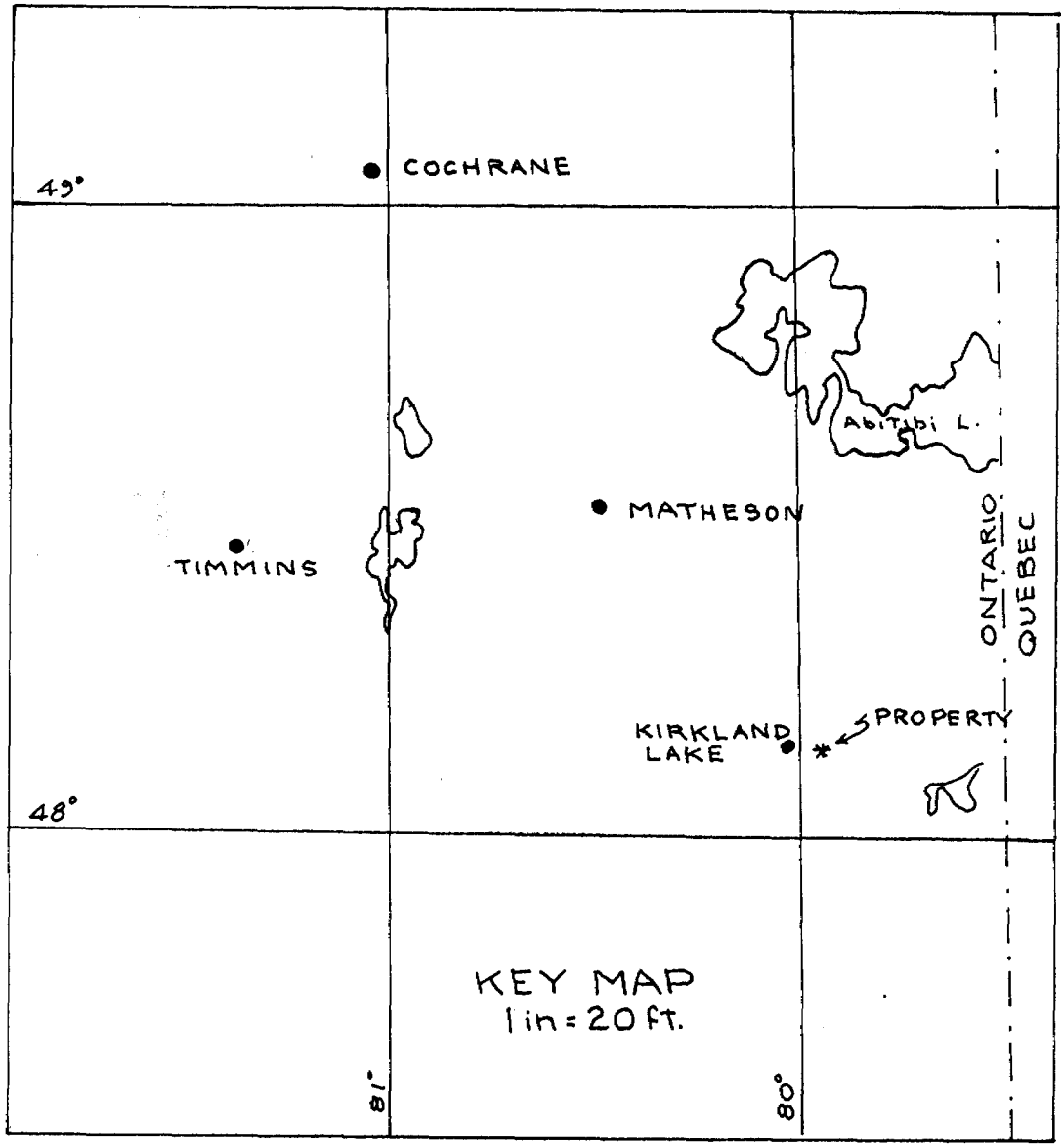
The regional location of the property is shown on Sketch No. 1.

PREVIOUS EXPLORATION

Claim L 531042, as claim L 3500, was originally part of the Lebel Oro property which was explored at various times by that company between 1920 and 1948. This work is summarized in ODM Mineral Resources Circular No. 3 by W. S. Savage, - date 1964.

The ODM Township of Lebel Map 53a shows the other two claims as part of a property labelled the "Wright Carroll claim group"; the writer knows of no records of the exploration carried out by this party.

In 1977, Hans-Warner Mining drilled a 220-ft. hole in what is now claim L 531043. The collar of this hole is still visible, and on the present grid it plots at 1 + 10 ft. S and 0 + 25 E of L 34 E, and in the centre of the old highway. Frank O'Connor logged the hole as trachyte; no sampling or assays are recorded on the log on file in the ODM Assessment Records.


49°
COCHRANE
Abitibi L.
MATHESON
TIMMINS
ONTARIO
QUEBEC
KIRKLAND LAKE
PROPERTY
48°
KEY MAP
1 in = 20 ft.
81°
80°

SKETCH No 1

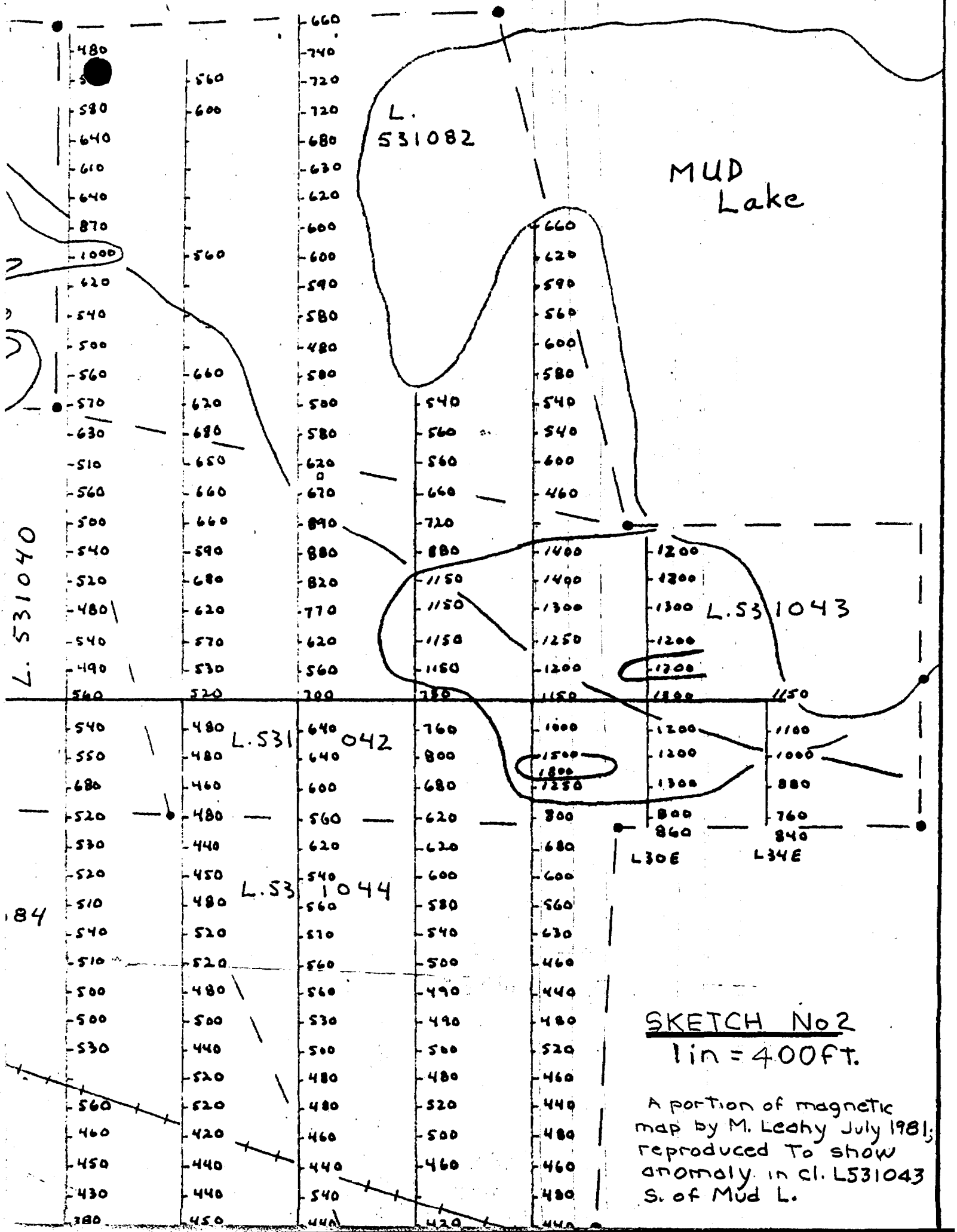
In July 1981, M. Leahy submitted for assessment a geophysical report for Lampe Resource Co. for eleven claims, three of which are those covered in this report. That report covered an electromagnetic survey (Geonics EM-16 VLF) and a magnetic survey (MF-2 fluxgate magnetometer).

Leahy reported a magnetically anomalous high within the porphyrite south of Mud Lake. He recommended that a detailed magnetic survey (with line-spacing of 100 ft.) be conducted to better outline the anomaly. This anomaly of Leahy's is reproduced here as Sketch No. 2; it appears to fall in the area classified on the map accompanying the present report as Porphyrite Type 2.

PRESENT EXPLORATION

In 1983, the writer sampled a vein-fault in the rock-cut of Highway 66 opposite the 'Parking Area' on the highway, and obtained gold values of 0.08 and 0.15 oz/ton. Early in 1984, mineralization was noted in a block of rock in the fill on the south side of the road, approximately 75 ft. east of L 26 E; this assayed 0.30 oz/ton. Prospecting inland from the road located a shear mineralized with molybdenite which on sampling assayed 0.90 oz/ton; this showing is now known as the "Cliff Showing" and is approximately 95 ft. west of 2 + 25 S on L 26 E. There was no evidence on the ground of any previous investigation by stripping, etc., of this showing, suggesting it was a new find and hence the area as a whole merited a closer look.

The three claims covered by this report were mapped in September and October of 1984 by the writer using the existing picket line system. A radiometric survey was carried out during the same period on these and adjacent claims, and this is covered in another report. The Cliff Showing was being bulldozed off and washed as the mapping of the claims was being terminated. Sampling and some diamond drilling are planned by Mr. Lawrence on this showing.



SKETCH No2
1 in = 400 ft.

A portion of magnetic map by M. Leahy July 1981; reproduced To show anomaly in cl. L531043 S. of Mud L.

TOPOGRAPHY

Portions of claim L 531082 and the north half of L 531043 are under Mud Lake. The remainder of L 531082 plus the north half of L 531042 are near-flat plain; portions of this plain are subject to extensive flooding as the beavers modify the elevation of Mud Lake, and at the time of this survey flooding was rather severe. Swamps dominate the portions not flooded.

The construction of highway 66 has caused additional flooding or drowned land south of this road, as shown on the attached map.

The southern half of claims 531042 and 531043 is outcrop and boulder-strewn terrain. It rises from the plain to the north as cliffs and/or steep talus and boulder-polluted slopes. The area reaches its maximum elevation in the south part of claim 531042 where it is 100 ft. above Mud Lake.

GEOLOGY

The term 'porphyrite' employed in ODM Map 53a and Bulletin #150 has been retained for the rocks encountered in the claims. In the area as a whole, this rock reveals very few conclusive clues as to its origin. The writer was involved as a student in the mapping of the whole area defined as porphyrite on Map 53a so he is fully cognizant of the problem of origin it presents. He is now of the opinion that it is an extrusive crystal tuff and not a porphyrite intrusive; this conclusion is based on the following features:-

(1) the presence of narrow fine-grained siliceous and/or cherty horizons or zones with pyrite that appear to be an integral part of the unit;

(2) the intermixing of this rock with greywacke in the area to the east of the claims, which was interpreted on Map 53a as porphyritization, may merely be the mixing of two rocks as they were deposited;

(3) no intrusive contacts are known for this rock;

(4) this unit shows similarities to Map 53a's T12 unit which is called a white fragmental tuff. This unit is so intermixed and interbedded with other sediments to deny its extrusive nature. Bulletin #150, p35,

commenting on "the large number of secondary white feldspars (albite)" in this unit notes "so well developed are these secondary feldspars and so altered the groundmass in some cases, that the rock is readily mistaken for a porphyrite".

In crystal tuffs, the feldspars are normally quite distinct and unaltered, and in direct contrast to the often altered nature of the matrix, so that 'well developed' feldspars need not indicate porphyritization.

(5) this porphyrite is more altered and structurally deformed than is common to the other Algoman intrusives, suggesting it is early in age and probably not part of this intrusive cycle.

In the claims covered by this report the 'porphyrite' has been divided into type 1 and type 2 although a clear distinction is not always possible; both types have white felspars. In type 1, they are quite conspicuous and abundant, while in type 2 they are present but not conspicuous. Type 1 is characterized by a light creamy to greenish-yellow matrix, and surface weathering appears to be accentuated by the disintegration of approximately 1% disseminated pyrite. Outcrop areas of this rock are generally strewn with boulders, a high percentage of which are local in origin, - i. e. of bedrock source.

Type 2 has a dark green fine-grained matrix. Outcrops tend to be more massive and weathered than type 1. On the other hand, in the highway rock-cuts, faulting is quite common to this rock. Mapping crews for ODM Map 53a gave this rock a field term 'diorite' which designation was abandoned in the final draft of this map. This term was used to separate it from the porphyritic rock called 'porphyrite'. Small scattered angular dark fragments were noted in one exposure and these resembled zenoliths more than volcanic clasts. Disseminated pyrite common to type 1 is absent in this type 2. M. Leahy's magnetic anomaly falls on this type 2 (see sketch No. 2) which tends to suggest it is plug-like rather than a strata-bound unit.

Type 1 outcrops tend to be oriented in a northeast direction which is the common shear direction. It is also the direction of the narrow siliceous to cherty zones with disseminated pyrite.

Type 2, as exposed in the rock-cuts on highway 66, shows numerous fractures and fault slips; the shearing present in type 1 is absent.

Two gold-bearing zones were located in place, as noted under Present Exploration. The Rock-Cut Showing is a rupture zone 1-2 ft. wide striking N 38 E and dipping vertically. The mineralization is bluish silicification, white carbonates, and fine pyrite.

The Cliff Showing where exposed was relatively strong molybdenite mineralization in sheared altered rock over 1 ft. with additional mineralization in the adjacent rock. The initial sample assayed 0.9 oz/ton gold, signalling the presence of significant gold. Surface exploration presently in progress indicates this mineralization is associated with a northerly-striking fault that dips 55° to the west; the location of this showing on a cliff face and adjacent to a talus slope has made exposure of it difficult. The present evidence indicates the intensity of mineralization along the fault is highly variable, varying from nil to up to 3 ft. rich in molybdenite and bluish quartz with fine disseminated pyrite. Chip samples assay up to 0.40 oz/ton/3 ft.

RECOMMENDATION

The writer considers the build-up of molybdenite in the Cliff Showing as being quite significant in respect to identifying a locale where gold-bearing structures of potential merit may be present.

He has recommended additional surface investigation which was in progress at the time of writing this assessment report.

G. E. Parsons

Attachment

Geology Map dated November 1984

Toronto, Ont.
November 1984

RADIOMETRIC SURVEY ASSESSMENT REPORT

Claims L531042, L531043 & L531082

Lebel Twp. Larder Lake Mining Div.

Ontario

November 1984

G. E. Parsons

GENERAL

This report covers three mineral claims, - namely L531042, L531043 and L531082. These claims were formerly patented as L7758, L1086 and L3500 respectively; the surface rights are still held by other parties under these original claim numbers.

The three mineral claims are registered in the name of R. Lawrence, Suite 801, - 159 Bay Street, Toronto, M5J 1J7.

LOCATION & ACCESS

These three claims are in the central part of Lebel Twp. southwest of and partly under Mud Lake.

Highway 66 crosses the claims which are immediately east of the village of King Kirkland and approximately four miles east of the town of Kirkland Lake.

Two Hydro transmission lines cross the property.

The location of the property is shown on the accompanying map.

PREVIOUS EXPLORATION

Claim L531042 (as claim L3500) was originally part of the Lebel Oro property which was explored at various times by that company between 1920 and 1948. This work is summarized in ODM Mineral Resources Circular No. 3 by W. S. Savage, - dated 1964.

The ODM Lebel Twp. Map 53a shows the other two claims as part of a property labelled as the "Wright Carroll claim group". The writer knows of no records of any exploration carried out by this party.

In 1977, Haas-Warner Mining drilled a 220-ft. hole in what is now claim L531043. The collar of this hole is still visible, and on the present grid it plots at 1 + 10 ft. S and 0 + 25 E of L 34 E, - in the centre of the old highway. Frank O'Connor logged the hole as trachyte; no sampling or assays are recorded on the log on file in the ODM assessment records.

In July 1981, M. Leahy submitted for assessment a geophysical report for Lampe Resource Co. on eleven claims, three of which are part of this report. Leahy's report covered an electromagnetic survey (Geonics EM-16 VLF) and a magnetic survey (MF-1 fluxgate magnetometer).

Leahy reported a magnetically anomalous high within the porphyrite south of Mud Lake. He recommended that a detailed magnetic survey (with line-spacing of 100 ft.) be conducted to better outline the anomaly.

PRESENT EXPLORATION

The writer scouted the area in 1983 and the early part of 1984. Evidence of gold mineralization was detected which appeared to warrant investigation. The best showing was found to be up to three times more radioactive than the normal rock in the area. This condition prompted the writer to do a radiometric survey of these three, and some adjacent, claims. It was also hoped that such a survey might define some difference in a rather controversial rock type called porphyrite. This radiometric survey was conducted in conjunction with a geologic survey by the writer. The latter survey is the subject of a separate assessment report.

TOPOGRAPHY

Portions of claim L531082 and the north half of L531043 are under Mud Lake. The remainder of L531082, plus the north half of L531042, are near-flat plain; portions of this plain are subject to extensive flooding as the beavers modify the elevation of Mud Lake, and at the time of this survey flooding was rather severe. Swamps dominate the portions not flooded.

The construction of highway 66 has caused additional flooding or drowned land south of this road, - as shown on the attached map.

The southern half of claims 531042 and 531043 is outcrop and boulder-strewn terrain. It rises from the plain to the north as cliffs and/or steep talus and boulder-polluted slopes. The area reaches its maximum elevation in the south part of claim 530142 where it is 100 ft. above Mud Lake.

GEOLOGY

The only rock exposed on the claims is a controversial type called Porphyrite on ODM Map 53a.

The geology of the claims is described in a Geological Assessment Report dated November 1984 by the writer, and the reader is referred to that report for details on same.

RADIOMETRIC SURVEY, - INSTRUMENT & METHOD

The instrument used in the survey was a McPhar Model TV-1A Spectrometer, which is a three-threshold scintillometer. Measurements are based on the spectral characheristics or energy levels of gamma radiation from radioactive elements. Selection of the operating threshold is made by means of the threshold selector switch.

The meter is calibrated to display 0 to 100 counts per minute. A four-position scale multiplier switch provides four full scale ranges of 100, 1,000, 10, 000, and 100, 000 counts per minute.

The detecting element is a $1\frac{1}{2}$ x $1\frac{1}{2}$ inch sodium iodide crystal coupled to a photomultiplier tube.

There are three threshold positions; however, only T1 at 0. 2 Mev was used during this survey. It measures the total count across the entire gamma energy spectrum for maximum sensitivity. For this threshold, there are two time constants T1 F (Fast) -1 second, and T1 S (Slow) -10 seconds; the latter was used throughout this survey.

The instrument operates from two "C" size flashlight-type cells.

During the survey, the instrument was carried in a holster at waist height. It was kept in continuous operation. Readings were recorded at a minimum spacing of 100 ft. on the picket lines and more frequently where variations were detected.

The survey was conducted by the writer in the period September 1 to October 30, 1984. A total of 335 readings were taken and recorded on the accompanying map.

RADIOMETRIC SURVEY RESULTS, CONCLUSION & RECOMMENDATION

The radiometric count in the wet swampy areas ranged from 20 to 30 c/min. In the relatively dry overburden areas, as in the west part of claim L531082, the count varied from 40 to 50 c/min.

In the outcrop area in the south part of the claims, the radioactivity generally exceeded 100 c/min on rock, and ranged in the intervening overburden areas between 60 and 100 c/min, - the intensity of the latter being an expression of proximity to rock either laterally or vertically or a combination of both.

The highest count obtained was at the Cliff Showing where it was 330 c/min. This showing is gold-bearing and relatively rich in molybdenite.

On L 22 E, a reading of 250 c/min was obtained in a rubble area on a steep slope; the location was flagged for additional investigation.

East of L 32 E and just south of Mud Lake, a vesicular trachyte also gave 250 c/min; this is suspected to be a semi-buried boulder erratic.

In conclusion, no intensity of radioactivity was encountered to truly indicate that a condition meriting prompt investigation exists, or that this type of geophysical survey could directly lead to mineralization. On the other hand, the survey does signal areas of outcrop and light overburden, hence indicating areas suitable for mechanical stripping and trenching.

The writer considers that the use of radioactive detection equipment is merited in the continuing investigation of the claims.

G. E. Parsons,
Geologist.

Toronto, Ont.
November 1984

Ministry of Natural Resources Ontario

Report of Work
(Geophysical, Geologica[l], Geochemical and Expen[ditures])

32D04NW0213 2.7581 LEBEL

900

File L531042

Type of Survey(s)	Township or Area
GEOLOGY & RADIOMETRIC	LEBEL

Claim Holder(s)	Prospector's Licence No.
R.W. LAWRENCE	T1782

Address: Suite 801 159 BAY ST TORONTO M5J 1J7

Survey Company	Date of Survey (from & to)	Total Miles of line Cut
G.E. PARSONS	1 9 84 – 30 10 84 (Day Mo. Yr. – Day Mo. Yr.)	

Name and Address of Author (of Geo-Technical report): G.E. PARSONS 136 CHATSWORTH Dr TORONTO M4R 1S2

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical	
	- Electromagnetic	
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	20
	- Other	
	Geological	20
	Geochemical	

Man Days		Days per Claim
Complete reverse side and enter total(s) here	Geophysical	
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Prefix	Number	Expend. Days Cr.
L	531042	
	531043	
	531082	

LARDER LAKE RECEIVED NOV 2 1984 AM 7 8 9 10 11 PM

RECEIVED JAN 22 1985 MINING LANDS SECTION

See revised work statement.

Total number of mining claims covered by this report of work: 3

Expenditures (excludes power stripping)

Type of Work Performed:

Performed on Claim(s):

Calculation of Expenditure Days Credits

Total Expenditures				Total Days Credits
$	÷	15	=	

Instructions: Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

For Office Use Only		
Total Days Cr. Recorded: 120	Date Recorded: NOV 26 1984	Mining Recorder
	Date Approved as Recorded	Branch Director

Date	Recorded Holder or Agent (Signature)
21 Nov 84	[signature]

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: G.E. PARSONS 136 CHATSWORTH Dr TORONTO M4R 1S2

Date Certified	Certified by (Signature)
21 Nov 84	G.E. Parsons

1362 (81/9)

Mining Lands Section

File No 2.7581

Control Sheet

TYPE OF SURVEY

_____ GEOPHYSICAL

_____ GEOLOGICAL

_____ GEOCHEMICAL

_____ EXPENDITURE

MINING LANDS COMMENTS:

L.D. 69

Dennis R.

Signature of Assessor

Feb. 1/85

Date

1985 03 25

Your File: 556
Our File: 2.7581

Mining Recorder
Ministry of Natural Resources
4 Government Road East
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

RE: Notice of Intent dated February 27, 1985
Geophysical (Radiometric) and Geological Survey
on Mining Claims L 531042, et. al, in
Le Lebel Township

The assessment work credits, as listed with the above-mentioned Notice of Intent, have been approved as of the above date.

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

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

S. Hurst:mc

cc: R.W. Lawrence
Suite 801
159 Bay Street
Toronto, Ontario
M5J 1J7

cc: G.E. Parsons
136 Chatsworth Drive
Toronto, Ontario
M4R 1S2

Encl.

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

cc: Resident Geologist
Kirkland Lake, Ontario

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

AMENDED

File 2.7581

Date 1985 02 27

Mining Recorder's Report of Work No. 556

Recorded Holder: R.W. LAWRENCE

Township or Area: LEBEL TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic _____ days	
Magnetometer _____ days	
Radiometric _____ days	
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological 32 days	L 531042-43-82
Geochemical _____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☒ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (16) 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

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77(19)—60:

828 (83/6)

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

AMENDED

File 2.7581

Date 1985 02 27

Mining Recorder's Report of Work No. 556

Recorded Holder: R.W. LAWRENCE

Township or Area: LEBEL TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic _____ days	
Magnetometer _____ days	
Radiometric 20 days	L 531042-43-82
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological _____ days	
Geochemical _____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (16) 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

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77(19)—60:

828 (83/6)

Ministry of Natural Resources

AMENDED Mar 14/85

1985 02 27

Your File: 556
Our File: 2.7581

Mining Recorder
Ministry of Natural Resources
4 Government Road East
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. R.J. Pichette at 416/965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

S. Hurst:mc

Encls.

cc: R.W. Lawrence
Suite 801
159 Bay Street
Toronto, Ontario
M5J 1J7

cc: G.E. Parsons
136 Chatsworth Drive
Toronto, Ontario
M4R 1S2

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

Ministry of Natural Resources
Ontario

AMENDED

Notice of Intent

for Technical Reports

1985 02 27

2.7581/556

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Land Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

G. E. PARSONS
GEOLOGIST

TELEPHONE
483-5155

136 CHATSWORTH DRIVE
TORONTO #2
ONTARIO M4R1S2

18 Feb 85

Land Management Branch,
Ministry of Natural Resources,
Room 6643, Whitney Block, Toronto M7A1W3

attn Mr R. J. Pichette

Dear Sir:

Re: assessment Geologic Report on Claims L531042, L531043 and L531082, Larder Lake Mining Div Your File 2.7581

Your notice dated 12 Feb 85 reduced to 15 days my submission under Special Provisions for a geologic report for the latter two claims.

I now attach a time record for B. Parsons and myself for work spent on geology for the three claims; this adds up to 13.875 8hr Tech. days or 97 assessment days credit ie 32 days per claim; attached is a Report of Work requesting these credits. Also attached are two sketches of sampling and detail mapping done during this survey, since you verbally (on the phone) noted this should be reported with geology.

May I point out that the mapping of these claims was a time consumming and frustrating exercise because of several factors such as

(1) 4-yr old picket lines badly overgrown and picket numbers largely faded.
(2) severe flooding of portions of picket lines, of old Highway 66, and of normal Mud Lake shore line. The ports on three claim corners was under 1 to 2 ft of water which in October is ice cold.
(3) numerous topo. features as roads, power lines etc to tie to picket lines
(4) topo. relief of up to 100ft with shear cliffs, steep talus slopes, rock cuts etc and (5) an indefinite rock unit demanding a continuous search in outcrops for clues to its origin.

My planned distribution of credits has been disrupted by the reductions in my previous submission. A new plan is urgently needed but this is not possible until the current matter is settled. May I request your prompt attention to this new assessment submission.

attached: (1) Time Record (2) Two Sketches (3) Work Report all in duplicate

Copy To R.W. Lawrence

Yours truly
G. E. Parsons

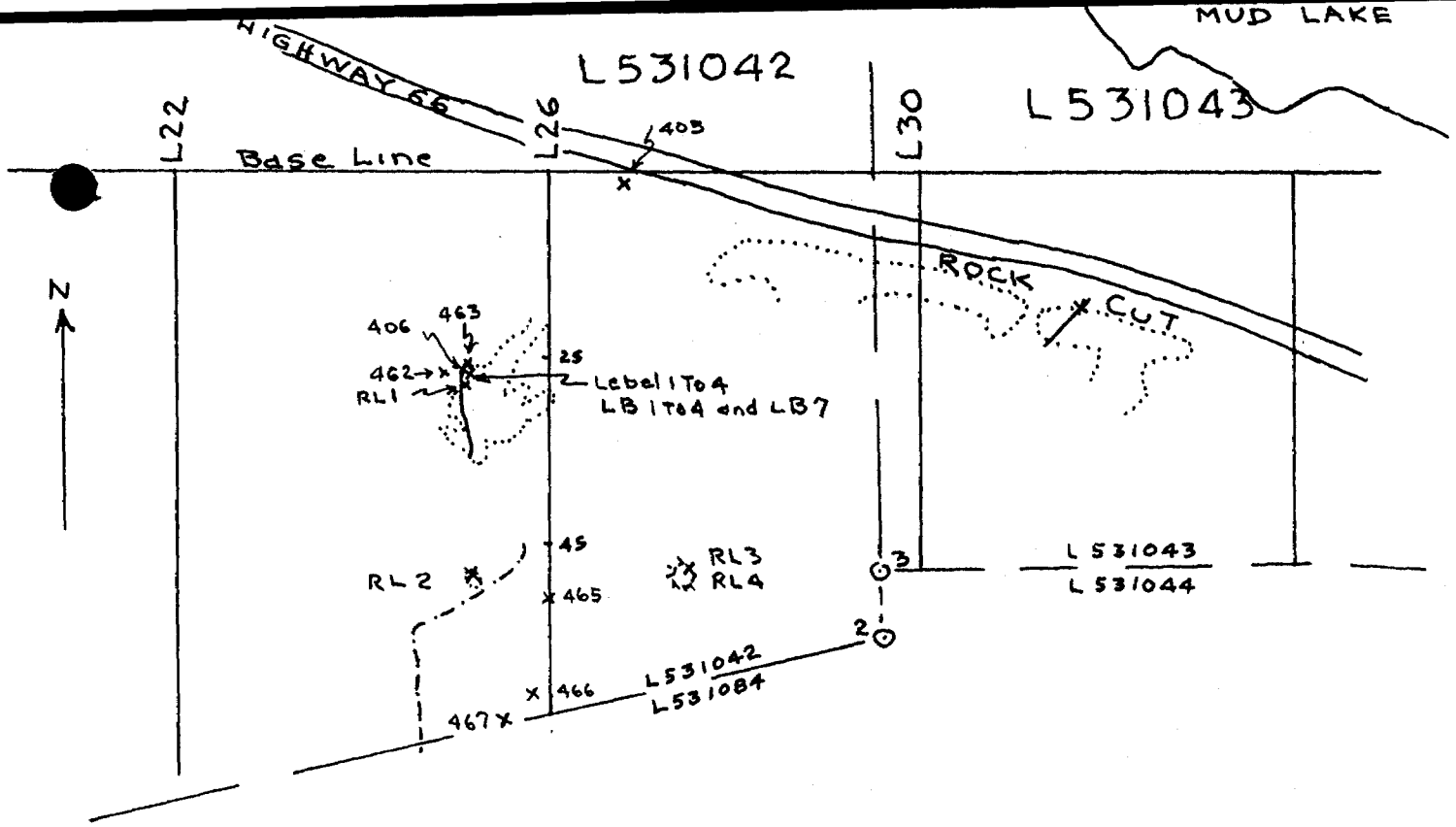
Time Record for Geological Mapping claims
L531042, L531043 and L531082

G. E. PARSONS 136 CHATSWORTH Dr, Toronto

Date 1984	Tech Hrs	Work Done
3 Sept	10	Tying roads, power lines etc to picket lines Searching for picket lines, claim posts etc to accumulate data to produce a base map; compiling a base map
4 Sept	10	ditto
24 Sept	5	Checking and sampling showings and searching for extensions
2 Oct	5	Mapping in area of Cliff Showing in preparation for stripping and trenching
5 Oct	10	Mapping
8 Oct	10	"
9 Oct	10	"
11 Oct	10	"
17 Oct	8	Mapping and Sampling Cliff Showing in detail after stripping
31 Oct	5	Searching literature and Assessment Files to complete "Previous Exploration" section of report
1 Nov	8	Drafting Geology Map
2 Nov	10	Writing & Compiling report
29 Nov	10	Preparing & drafting 2 sketches showing location of assay samples plus detail of Cliff Showing
10 Nov	8	Typing report; obtaining prints of same including maps; assembling report
Total	111 Tech hrs	ie 13.875 8-hr Tech days.

B. Parsons address same as GEP

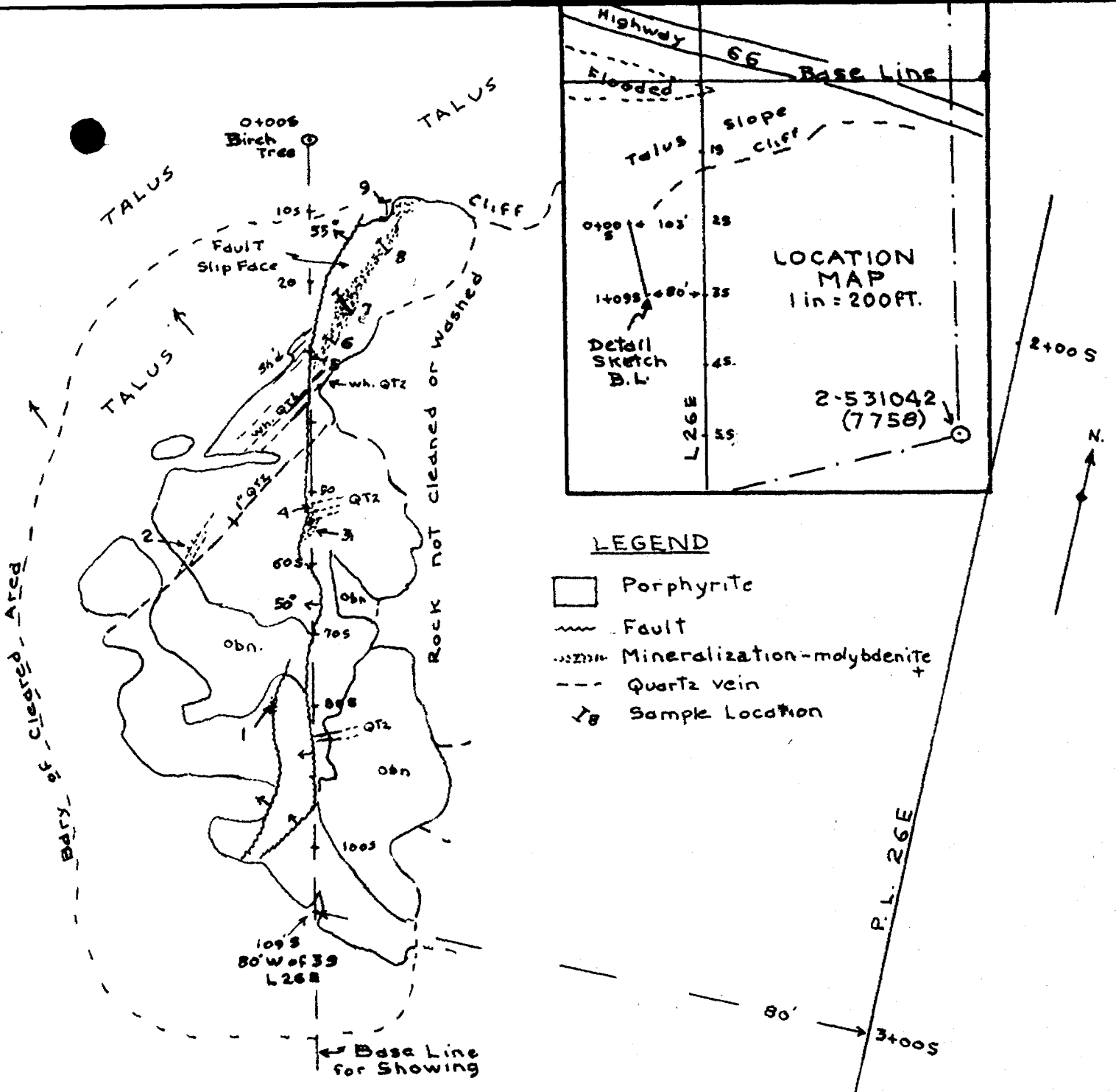
G. E. Parsons



SAMPLE No	ASSAY oz Au/ton	
405	0.30	
406	0.89, 0.90	
462	0.25, 0.27	
463	0.03	
465	0.005	
466	0.01	
467	0.005	
471-479	See detail Sketch of Cliff Showing	
486-492	Core Sample Assays on Core Logs	
Lebel-1	0.12	(0.15 oz Ag)
-2	0.021	
-3	0.017	(0.07 oz Ag)
-4	0.011	
LB-1	0.23	
-2	0.25	
-3	0.12	
-4	0.001	
-7	0.33	
RL-1	0.034	
-2	0.038	
-3	0.012	
-4	0.003	

SAMPLE LOCATION SKETCH
R.W. LAWRENCE'S MUDLAKE CLS.
LEBEL TWP.
ONT.
1 in = 200ft

Nov/84 A.C. Parsons



Sample No	Dist S.	Dist E-W	Width FT	Au. oz/ton	Descrip.
47 1	79	7W	.3	0.01	Tr. Moly, Sil'd., P. (pyrite)
2	58	18W	1.0	0.04	Moly, QTz, Sil'd, P.
3	54	0W	1.7	0.44	Moly-rich, P.
4	52	0W	0.7	0.06	Sh'd., Lt. Moly
5	31	1E	.5	0.10	Sh'd., Moly
6	28	3E	1.5	0.14	Moly, Bl. QTz, P.
7	21-24	5-6E	3.0	0.40	" , " , "
8	15	10E	1.5	0.05	" , " , " & Sil'd Rock
9	10	12E	2.0	0.14	Sh'd; Bl & wh QTz; poor sampl'r, under tree root

CLIFF SHOWING
R.W. LAWRENCE CLS
Lebel Twp., Ont.
1 in = 20 ft.

Nov 84 B. E. Parsons

Ministry of
Natural
Resources

Ontario

Feb. 27/85

1985 02 12

Your File: 556
Our File: 2.7581

Mining Recorder
Ministry of Natural Resources
4 Government Road East
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. R.J. Pichette at 416/965-4888.

Yours sincerely,

- client called, 85-02-14
- client may request a re-assessment under mandamp

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

R D. Kinvig:mc

Encls.

cc: R.W. Lawrence
Suite 801
159 Bay Street
Toronto, Ontario
M5J 1J7

cc: G.E. Parsons
136 Chatsworth Drive
Toronto, Ontario
M4R 1S2

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

845

Ministry of Natural Resources

Ontario

Notice of Intent

for Technical Reports

1985 02 12

2.7581/556

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Land Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.7581

Date 1985 02 12

Mining Recorder's Report of Work No. 556

Recorded Holder: R.W. LAWRENCE

Township or Area: LEBEL TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic _____ days	
Magnetometer _____ days	
Radiometric 20 days	L 531042
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological 32 20 days	
Geochemical _____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (16) for the following mining claims

15 DAYS RADIOMETRIC &
~~15 DAYS GEOLOGICAL~~

L 531043
531082

No credits have been allowed for the following mining claims

☐ not sufficiently covered by the survey ☐ Insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77 (19) — 60:

828 (83/6)

1984 12 27

Your File:
Our File: 2.7581

Mining Recorder
Ministry of Natural Resources
4 Government Road East
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

We received reports and maps on December 18, 1984 for a Geophysical (Radiometric) and Geological Survey submitted under Special Provsions (credit for Performance and Coverage) on Mining Claims L 531042 et al in the Township of Lebel.

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

We do not have a copy of the report of work which is normally filed with you prior to the submission of this technical data. Please forward a copy as soon as possible.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-6918

A. Barr:sc

cc: R.W. Lawrence
Suite 801
159 Bay Street
Toronto, Ontario
M5J 1J7

cc: G.E. Parsons
136 Chatsworth Drive
Toronto, Ontario
M4R 1S2

Ministry of Natural Resources
Ontario

Report of Work
(Geophysical, Geological, Geochemical and Expenditures)

Mining Act

Instructions: – Please type or print.
– If number of mining claims traversed exceeds space on this form, attach a list.
Note: – Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
– Do not use shaded areas below.

Type of Survey(s): GEOLOGY & RADIOMETRIC
Township or Area: LEBEL
Claim Holder(s): R.W. LAWRENCE
Prospector's Licence No.: T1782
Address: SUITE 801 159 BAY ST TORONTO M5J 1J7
Survey Company: G.E. PARSONS
Date of Survey (from & to): 1 (Day) 9 (Mo.) 84 (Yr.) 30 (Day) 10 (Mo.) 84 (Yr.)
Total Miles of line Cut:
Name and Address of Author (of Geo-Technical report): G.E. PARSONS 136 CHATSWORTH Dr TORONTO M4R1S2

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	· Electromagnetic	
	· Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	· Radiometric	20
	· Other	
	Geological	20
	Geochemical	

Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	· Electromagnetic	
	· Magnetometer	
	· Radiometric	
	· Other	
	Geological	
	Geochemical	

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
L	531042	
	531043	
	531082	

Total number of mining claims covered by this report of work:

Expenditures (excludes power stripping)

Type of Work Performed:

Performed on Claim(s):

Calculation of Expenditure Days Credits

Total Expenditures $ ÷ 15 = Total Days Credits

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
	Date Approved as Recorded	Branch Director

Date: 21 Nov 84
Recorded Holder or Agent (Signature): [signature]

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: G.E. PARSONS 136 CHATSWORTH Dr TORONTO M4R1S2

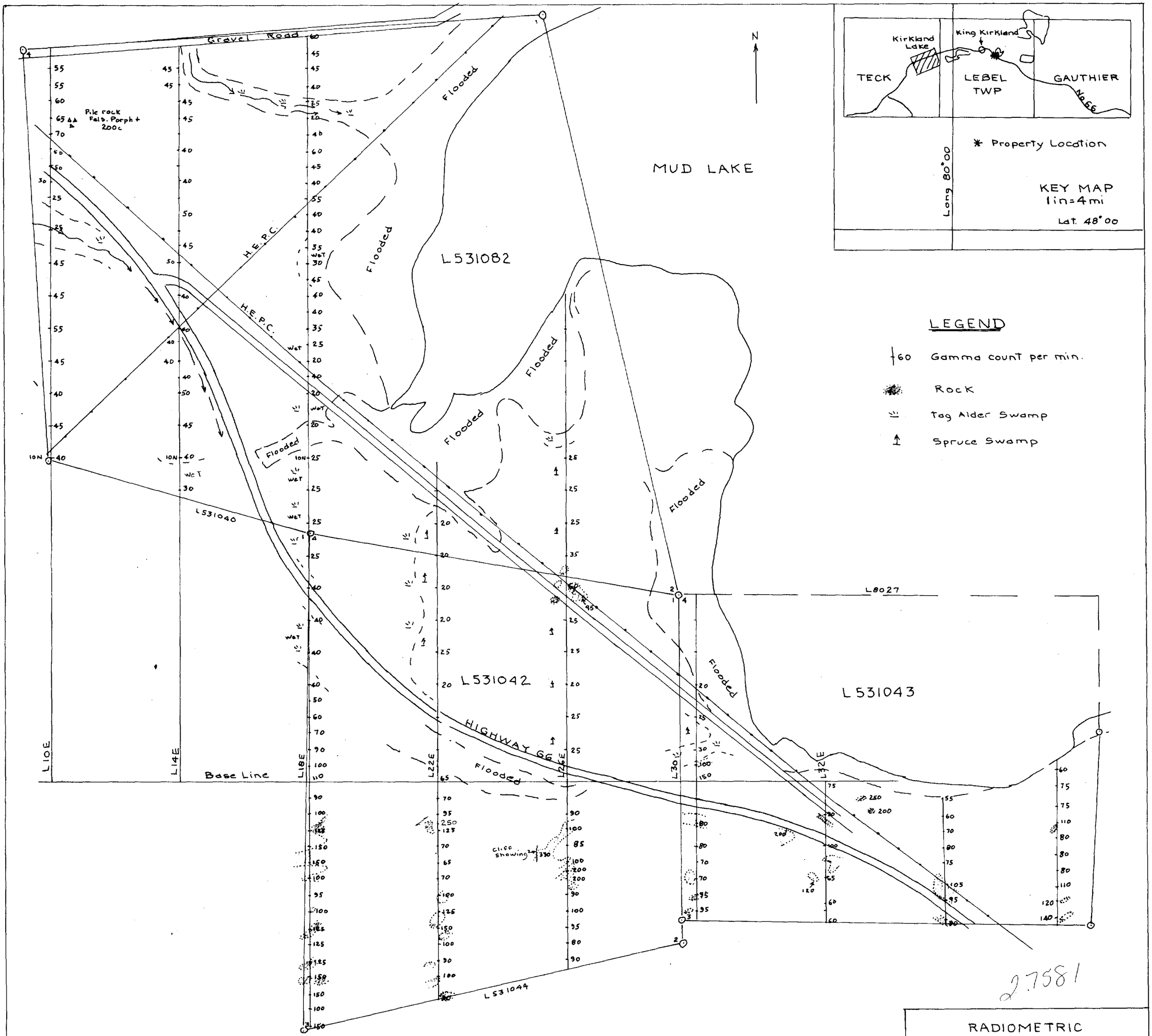
Date Certified: 21 Nov 84
Certified by (Signature): G.E. Parsons

1362 (81/9)

	Radio	Gas
L-531042	✓	✓
S 31043	1/4	1/2
S 31082	1/4	1/4

2.7581

D.K.



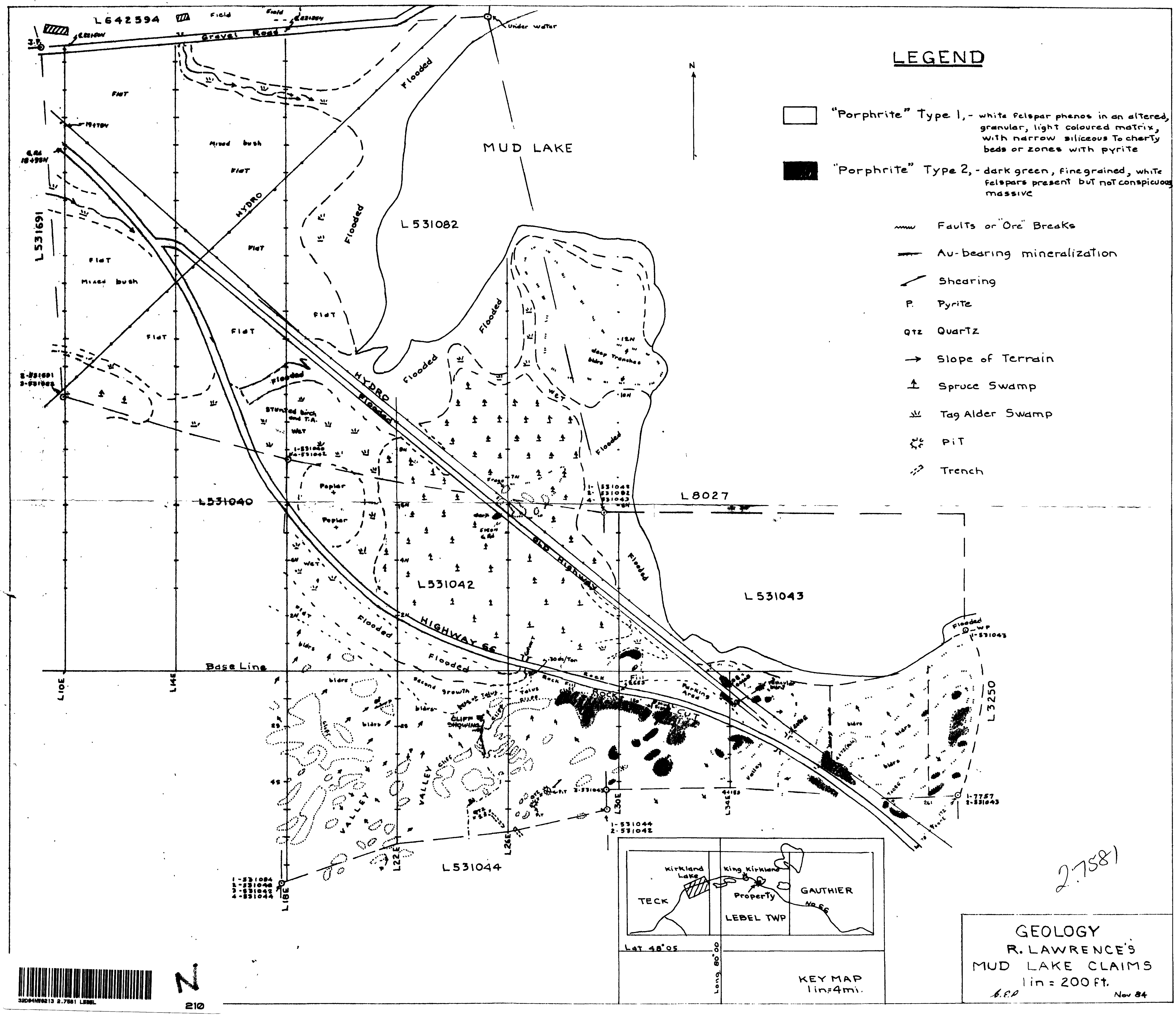
Instr : McPhar SpecTrometer
Model TV-1A

Operator: G. E. Parsons

RADIOMETRIC
R.W. LAWRENCE'S MUD L. CLS.
LEBEL TWP., ONTARIO
1 in = 200 ft.

Nov 84 G.E. Parsons

2.7581



LEGEND
"Porphrite" Type 1, - white felspar phenos in an altered, granular, light coloured matrix, with narrow siliceous to cherty beds or zones with pyrite
"Porphrite" Type 2, - dark green, finegrained, white felspars present but not conspicuous massive
Faults or "Ore" Breaks
Au-bearing mineralization
Shearing
P. Pyrite
QTZ Quartz
Slope of Terrain
Spruce Swamp
Tag Alder Swamp
Pit
Trench
MUD LAKE
L642594
Gravel Road
L531082
L531691
L531040
L531042
L531043
L531044
L8027
L3250
HYDRO
HIGHWAY 66
OLD Highway
Base Line
ROCK CUT
Flooded
Mixed bush
Flat
Poplar
Stunted birch and T.A.
deep Trenches
CLIFF SHOWING
VALLEY
L10E
L14E
L18E
L22E
L26E
L30E
L34E
Kirkland Lake
King Kirkland
Property
TECK
GAUTHIER
LEBEL TWP
Lat 48°05
Long 80°00
KEY MAP 1in=4mi.
GEOLOGY
R. LAWRENCE'S
MUD LAKE CLAIMS
1in = 200 ft.
Nov 84
27581
210