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REPORT ON WORK CARRIED OUT DURING 1984 FOR THE SUPERIOR SYNDICATE IN THE BURDITT-OFF LAKE AREA NORTH WESTERN ONTARIO

by

Lorenz Paulsen, B.Sc.

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TABLE OF CONTENTS

LIST OF APPENDICES

TABLE OF CONTENTS

LIST OF APPENDICES

LIST OF FIGURES

LIST OF TABLES

CONCLUSIONS AND RECOMMENDATIONS:

The property was almost totally examined in the regional prospecting survey. Numerous geophysical signatures were examined for their own merit and some abandoned workings were located and prospected.

The highest assay return was 0.046 oz/ton Au. No other values were higher than 1000 ppb; 14 assayed at greater than 100 ppb.

The 0.046 assay was culled from a shear structure within magnetite bearing basic tuffs. Silicification, carbonitization and some pyrite are associated in the shear, as well as orange limonite.

Repeated sampling of the outcrop did not reproduce a value of the same magnitude or higher.

About 60% of the anomalous gold values (100 ppb +) obtained in the program are located within the general area of the 0.046 oz/ton Au value.

Prospecting samples from former workings and conductive trends yielded poor gold assays.

Some quartz vein samples scattered through the property, returned anomalous values. These sites represent low potential.

The area of anomalous gold values mentioned previously and the major geophysical trends within the southern portion of the claims were prospected in outcrop as well as time would permit, but outcrop samplings – prospecting surveys – may not be conclusive enough to write off the targets.

Geochemical surveys conducted over these targets may give a better picture of the mineral potential.

It would also be advantageous to analyze the documentation

Table 1

PROPERTY LIST

Claim No.	Township or Area	Recording Date	Total
K-746567-579	Fleming	Dec. 7/83	13
K-751087 & 088	Potts	Dec. 7/83	2
K-751090 & 091	Potts	Dec. 7/83	2
K-751100-119	Senn	Dec. 7/83	20
K-751132-151	Senn	Dec. 7/83	20
K-751152-164	Senn	Dec. 13/83	13
K-784034-070	Fleming	Dec. 16/83	37
K-784071-089	Senn	Dec. 16/83	19
K-784090-092	McClarty M2036	Dec. 16/83	3
K-784093-096	Senn	Dec. 16/83	4
K-784097-102	McClarty M2036	Dec. 16/83	6
K-784103-111	Dash Lake M2024	Dec. 16/83	9
K-784134-176	Senn	Dec. 16/83	43
K-784191-200	Fleming	Dec. 16/83	10
K-784201-205	Rainy Lake Area M2112	Dec. 16/83	5
			206

LOCATION AND ACCESS:

The Burditt-Off Lake Area may be seen on Figure 1. The claims are located between latitudes 48°50'N and 49°05'N and longitudes 93°40'W and 93°55'W.

The property lies within the Rainy River District of the Kenora Mining Division.

Direct highway access to the property exists. Highway 615 approaches from the south, ending at a government dock on Burditt Lake.

The claims are located in close proximity to lake shores and are readily accessible by boat.

Two mechanical portages exist on either end of Burditt Lake, yielding access to the extremities of the property.

The area is well populated by cottages and supplies may be obtained at a general store on the lakeshore.

PREVIOUS WORK:

Most recent government mapping in the area of the property was performed in 1976 by C.E. Blackburn for the Ontario Division of Mines at a scale of 1 inch to 1 mile.

A small portion of the northern limits of the property was mapped by G.R. Edwards (1983) for the Ontario Geological Survey at 1 inch to one half mile.

Work performed by private concerns would be:

- 1938 - H. Vinall staked several claims at the northeast end of Jackfish Lake,
  - encompassing a Au and Cu showing.

- 1956 - E. Corrigan and D.R. Young sunk drill holes in the vicinity of Off Lake.

- 1960 - E. Corrigan sunk several more holes in the same area.

- 1967 - minor staking rush precipitated by the discovery of Cu in a water well on the northern shore of Off Lake.

- 1968 - Noranda carried out ground EM, Mag and I.P. surveys over several areas,
  - drilled several holes.

- 1971 - Phelps Dodge staked claims in the vicinity of Burditt and Off Lakes, north of the Manomin River and southwest of Lake Despair.

- 1974 - Conwest had airborne electromagnetic survey flown.
  - ground follow-up included reconnaissance geophysics (EM-16) and geology.
  - unsatisfactory methods and results.

- 1976 - Kennecott re-examined some Conwest airborne targets.
  - ground follow-up included Chrone EM, detailed mapping, some sampling and several drill holes.

- 1983 - The Superior Prospecting Syndicate conducted exploration

programs in the area of Burditt and Off Lakes during the summer.
- this work consisted mostly of prospecting sample collections.

In addition to this list, no records seem available on the driving of three exploration pits that exist within the claims near the northeastern shore of Burditt Lake.

1984 EXPLORATION PROGRAM:

The program consisted of a blanket coverage prospecting survey and more detailed prospecting in areas of interest. Regional coverage was performed on claim lines and 1 to 400 scale blow ups of government air photos were used as control for the traverses. In some cases, old grids were partially reflagged and used as control, due to the late arrival of the 400 scale air photos.

A four-man crew was employed for this program.

Outcrops, lithologies, claim posts and sample sites were recorded.

Detailed prospection was performed in areas of known airborne, or ground geophysical signatures, in areas of old workings and where anomalous assays were returned from prospecting samples.

Some surveying was done by VLF in order to aid in prospecting.

Flagged lines or grids were used as control for this surveying.

Property Geology:

During the prospecting traverses, outcrops were plotted and lithologies noted. One to 400 scale airphotos were used

on the exploration shaft work if it exists. Prospecting samples taken there during the surveys were disappointing.

SUMMARY:

A base and precious metals exploration program was carried out on properties held on behalf of the Superior Syndicate within the Burditt Lake-Off Lake Area, during the summer of 1984.

The program consisted of regional prospecting traverses, at an interval of 1/4 mile, and more detailed prospecting in areas of interest. 333 rock samples were sent for assay. These were assayed for gold and some were assayed for zinc. 14 samples returned values higher than 100 ppb. Only one assayed higher than 1000 ppb.

This one sample returned a gold value of 0.046 oz/ton Au. More detailed sampling did not reproduce this value or better it. The best value returned on a resampling program was 680 ppb Au.

About 60% of the prospecting samples, yielding anomalous returns of greater than 100 ppb's, taken within the scope of the program, are located within the general area of the 0.046 assay return. They appear to be generally on strike. The 0.046 value appears shear related, and is associated with quartz and carbonate veining, along with local carbonitization and silicification. Some pyrite is observed, consistently related to the highest gold assays. The shear lies within a magnetite bearing basic tuff, bordered on the west by a mafic intrusive body.

Zinc assays were unimpressive. One value returned 675 ppm.

Known conductor traces defined in the south of the property were discovered in outcrop during prospection, but did not yield high values.

Other weak airborne signatures prospected throughout the property did not yield anomalous gold values.

Several abandoned exploration pits and surrounding area were prospected. No encouraging assays were returned.

Geological data suggests an area of pervasive carbonitization occurs at the west-central border of the property. The core of this zone appears to lie outside of the property, hence the exact nature and extent of this feature is not known. Carbonate is common in abundant shears on the property, but never reaches the pervasive character that exists in this zone.

Other areas of possible alteration discovered may be those areas where garnet is observed in outcrop. These areas are limited in size and are probably relatively minor. They are mostly confined to basic-intermediate strata. Garnets appeared abundant in panning samples collected in the area of the abandoned workings.

In general, a large portion of the work performed was devoted to blanket prospection coverage of the property. All but a few of the claims were traversed at least once.

INTRODUCTION:

A blanket prospecting program was performed within the Burditt-Off Lake claim blocks between May 24 and August 7th, 1984. The property covers a section of metavolcanic and tuffacious strata, some 45 kilometers northwest of Fort Francis. The area was staked as a result of work performed in 1983 on behalf of the Superior Syndicate.

Exploration activity has recently increased in the general area.

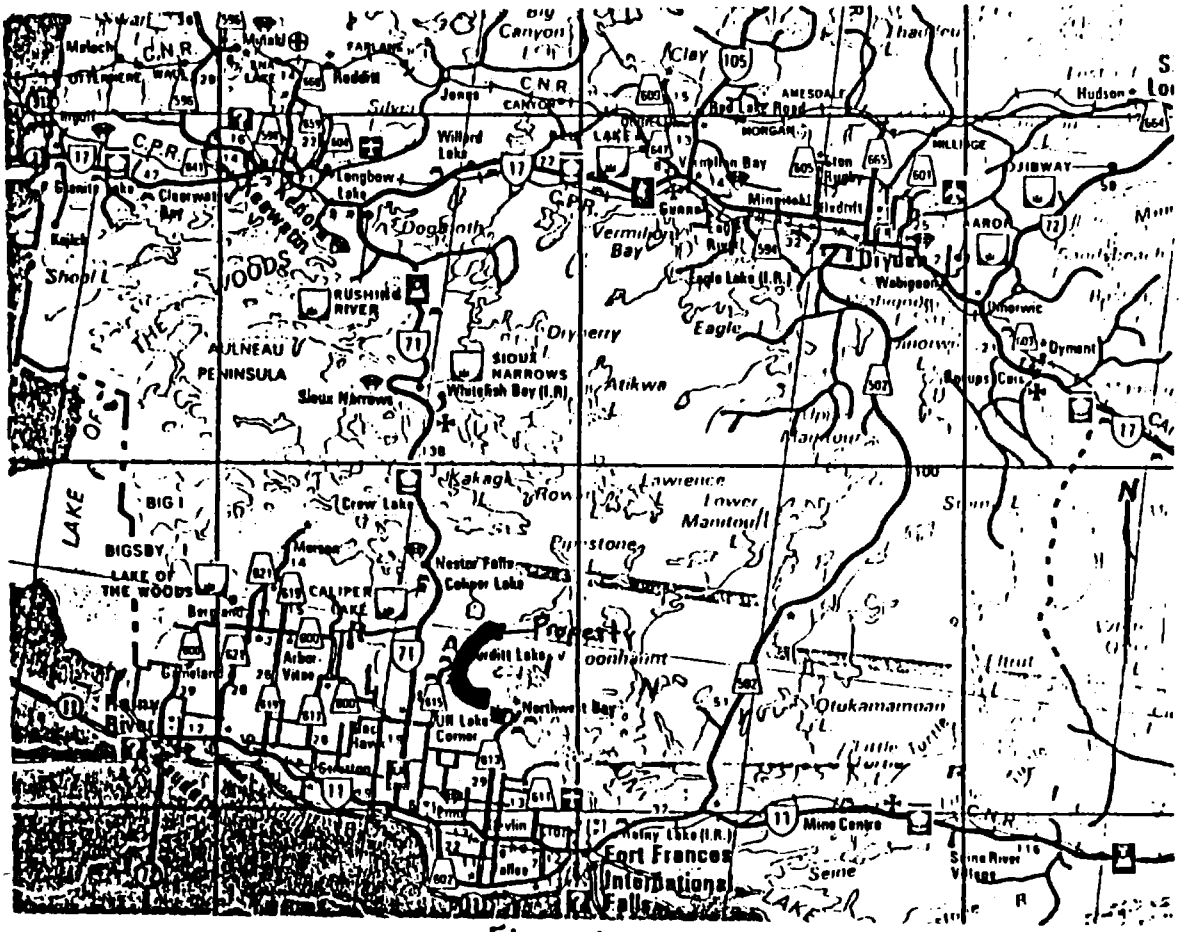

Figure 1

Scale 1:1,600,000 *Echelle*

kilometres 20 0 20 40 60 80 *kilomètres*

Miles 20 0 20 40 60 *Milles*

PROPERTY:

The property comprises two claim blocks containing a total of 206 claims, which are held in the name of Lacana Mining Corporation or Lynx Canada on behalf of the Superior Syndicate.

Claims included in the property are listed in Table 1.

as control. These data may be seen on the data maps at rear.

Figure 3 is an index map for the location of 1:400 scale data maps. The general geology has been summarized well in previous reports.

The area is underlain by a metavolcanic pile trending N.E. to S.W. in the northern and central portion of the property. In the southern portion, the trend is roughly N.W. to S.E.

The strata consist of basaltic to rhyolitic lavas, tuffs, and clastic metasediments derived from the reworking of these rocks.

Felsic plutonism followed initial volcanism and deposition. Metamorphism to greenschist and lower amphibolite facies was imposed during this event.

Foliations are consistently steep.

Top determinations consistently point eastwards.

The southeasterly trending volcanic arm located in the south of the property represents a portion of main volcanic pile that has partially peeled from the major section as a result of the initial felsic plutonic events.

Regionally, three sets of faulting occur in the area. Two of these are observed within the property. The strongest is the Northeast-Southwesterly running trends. These are parallel to the bedding-foliation direction, hence, it is difficult to define them. Several are interpreted to exist in the property. They are expressed mainly as zones of shearing and carbonitization is common.

The second set to be observed trends northerly.

These faults were active after the emplacement of the felsic plutons.

Some points of interest that were noted as a result of this mapping were:

- A broad zone of pervasive carbonitization was observed in the west central area of the property. This alteration imparts a distinct limey green colour to the rocks and is more penetrative than the carbonate associated with the shears in the area. The alteration occurs independent of rock type.

  The core of this zone lies outside the property boundary and its strength and dimensions could not be ascertained.

  The zone is plotted on Figure 2.

- Several areas where garnet appears common are also plotted on Figure 2. It is not known if its appearance represents an alteration or is a reflection of amphibolite isograd. This contour is also plotted on Figure 2.

- Within the amphibolitic areas, secondary amphiboles are seen to occur, in some instances of a size greater than 5 mm. Hornblendes observed did not appear to be rigorously orientated by the regional foliation.

  The isograd may have been imparted by the emplacement of the Burditt Lake stock.

- Mafic intrusive bodies mapped by government geologists to the north of the Burditt Lake area, extend into the northern portion of the claims and are a major geologic unit in this area of the property.

  Associated with the contact of these linear bodies are areas where host rock has been assimilated. The character of

this assimilation varies from small xenoliths of host rock lying within the intrusive, to large long slabs that remain parallel to the regional foliation to outcrops consisting mainly of host rock bearing small wispy inclusions of intrusive material.

- Near the Burditt Lake pluton rocks exhibit a poor foliation. The strike is next to impossible to observe, though dip measurements are readily measured.

- In the claims north of Off Lake, foliations are often difficult to obtain, probably as this area is the hinge of the folding of the volcanic pile around Burditt Lake. Poor outcrop exposure here makes it difficult to observe the geological picture as well as prospect this area.

- In the eastern part of this area, basic flows and tuffs seem to be intercalating with felsic-intermediate tuffs. It is not known how much of this relationship is shear related and how much is stratigraphic.

- A curious blue quartz eye "dacite" (metased.?) lies within this area, but it is not known what its relationship is within the pile. Felsic tuffs containing blue quartz eyes were observed in other parts of the property.

- In the southeasterly trending Burditt Lake area, a facies change is observed between felsic tuffs and a reworked felsic metasedimentary equivalent.

- Numerous conductors have been defined to exist here. These are iron sulfide rich zones. Magnetic responses in this area are due to pyrrhotite, in contrast to the strata further north where high magnetic readings are due to magnetite bearing rocks.

- The property staked southeast of the Indian Reserve, at Manomin Lake contains the same stratigraphy as that observed within claims on Southeastern Burditt Lake.

- In the southeastern south central portion of the property, there exists an abundant evidence of dyking. This dyking occurs in numerous directions and consists of basaltic material. It is difficult to distinguish this material from some basaltic flows.

- Claims held on the northwestern shore of Off Lake contain thick sections of felsic intrusive rocks – rhyodacite sub porphyries. Concentrations of feldspars yield graded bedding features. The crystal accumulations show a tops indicator that conforms with the pillow tops seen in other areas of the property. The felsic rocks appear to consistently contain about 2% disseminated pyrite.

- Basaltic dykes are observed in this area. These run in a southeasterly and northeasterly direction. In one area, northeasterly dykes were seen to occur systematically and regularly as a dyke swarm.

Regional Prospecting:

Outcrop maps and sample locations may be seen on the field data maps accompanying this report. Sample lists, including descriptions and assay results are listed in Appendix I.

333 samples were taken for assay during the program.

Samples yielding anomalous gold values are listed in Table 2.

Table 2

Sample N_1	Location Claim	Au ppb	Description
DD-23	K-784102	0.046 oz/ton	basic tuff, silic, carb, py (5-10%), gos.
DD-42	K-784051	802	qtz. VN., red colour, 2 feet.
DD-65	K-784097	725	qtz., VN., Smokey, py (py (5-10%), 3 feet.
DD-50	K-784102	680	Same as DD-23.
JM-43	K-784104	343	shear sple, py (10%), gos. tuff.
RB-19	K-751109	322	rusty qtz. VN., py.
DD-19	K-784096	321	shear sple, rhy., py (25%), str. gos.
DD-66	K-784097	247	basic tuff, py (10%), wall rock for DD-65.
DD-32	K-784100	184	basic tuff, sh., py., silic & carb.
LP-33	K-751119	181	sh. sple, gos., py.
RB-75	K-751119	155	Bdr. sple., gos., $\leqslant$ 10% py., vugs, felsic host.
RB-23	K-751119	128	str. gossan, chert.
RB-52	K-784101	119	sh. sple, gos., $\leqslant$ 5% py., hem., inter. tuff.
RB-72	K-751119	106	bdr. sple., gos., $\leqslant$ 10% py., qtz. Vn., silic.
LP-82	K-784102	96	sh. sple., qtz. VN., carb., lim., $\leqslant$ 2% py.
JM-25	K-751110	93	basic basalt, sh., gos., 1-2% Po, 2-3% Py., qtz. VN.

Nine of these fifteen samples are located in the same general area located at the northern end of Burditt Lake. This includes the 0.046 oz/ton assay of DD-23, the highest value returned in the prospecting survey.

Some detailed grid prospecting was done in the immediate vicinity of DD-23 and is described in a further section.

The general area of the anomalous values corresponds well with a magnetic high of greater than 60,600 gammas. This high is caused by a magnetite-rich bed of basic tuffs. It has been observed along strike in other areas of the property. The odd shape of the magnetics here is probably due to faulting movement trending at about 040°.

Anomalous gold values appear to be related to structure, and not to formational controls.

Other anomalous gold values are scattered through the property and no other zones of anomalous rock values were defined.

Some prospecting samples were collected in the area of electromagnetic conductors defined by previous ground work.

The cause of the major conductive traces were located in at least one place and tested. Conductors contained iron sulfide mineralization and gossanous outcrops.

Disappointingly, no anomalous gold assays were produced.

Detailed Prospecting Surveys:

The following figures and maps document detailed geophysical and prospecting work performed on:

1) airborne signatures known to exist from previous surveys.

2) areas of sulfide mineralization discovered during regional prospection;
3) an area of known abandoned workings;
4) targets defined from anomalous assay returns from the regional survey.

Figure 4 is a location map showing the areas of detailed prospecting.

ZONE 2

The Zone 2 target is located within claims K-784076, 784081 and 784082, on the northeast shore of Burditt Lake.

Previous work by Conwest in 1974, shows a two-line airborne signature exists. Two shallow workings were also reported in the area.

During the 1984 program, a grid consisting of a cut base line and 8 tie lines, was placed on the target (7375'). Mapping-prospecting work was performed. This grid overlaps and covers more area than the grid used by Conwest.

Figure 6 shows the outcrop geology of the area and an overlay; Figure 5 shows the grab sample locations and gold assay results.

Prospecting work yielded the discovery of 2 more shallow workings, located north of the previously reported exploration shafts and a drill hole. A description of the workings is given below.

EXPLORATION SHAFT: ZONE 2: 3+40S 1+65W

The adit consists of a timbered shaft with dimensions of 5 ft. x 10 ft. It has a minimum depth of 30 ft. and is flooded to 6 ft. from surface.

EXPLORATION PIT: ZONE 2: 5+00S 2+95W

The pit has dimensions of 6 ft. by 6 ft. with a minimum depth of 8 ft., and is flooded to 2 ft. from surface.

EXPLORATION TRENCH: ZONE 2: 0+00 0+00

This working represents an open cut into a Knobby outcrop. It is 5 ft. wide, 10 ft. deep, 12' high and was cut northwesterly into the outcrop. The working is partially flooded, indicating some rock was taken from the bottom of the cut.

A second minor pit is located about 40 ft. north of this working.

DIAMOND DRILL HOLE: 6+05S, 1+70W

This hole is not reported in any documentation. Its orientation suggests it was drilled to test below the pit at 5+00S 2+95W.

The southern-most workings were those reported in Conwest's work. They exploit a stratabound gossanous ("iron formation") felsic unit enclosed in a series of felsic-intermediate lapilli tuffs, west of a major tuff-volcanic contact. The beds have a strike of about 040°, and dip steeply to the west. Minor shearing and associated quartz veining occur in the area of the workings.

Up to 5% pyrite may be seen concentrated along the bedding in the two pits, and is likely to be the cause of the airborne conductive signatures. Conwest reported these workings contain pyrrhotite as sulfide content. No trace of pyrrhotite was found.

The trenching and 0+00 0+00 exploits a different target. This consists of a large quartz vein bearing pyrite. The vein is shear related. Wall rocks are sheared and contain quartz and

carbonate veining. The main vein is about 5 feet wide, is milky white and contains sparse, very coarse grained clots of pyrite.

Study of the vein suggests that the trenching has taken place where the vein is biggest and that it thins along strike and dip. The thick part of the quartz body may plunge at about 60° to the north east. A trench map of this cut is shown on Figure 7.

Grab samples were taken from all the workings. They were also taken from other veins and pyrite bearing rocks discovered in prospecting the grid. No gold assays returned values higher than 10 ppb.

The sampling was not extensive, but results are disappointing.

GRID A

Grid A is located on the Northwest shore of Burditt Lake.

It lies within claims K-784101 and K-784102.

Grid A consists of a 600 foot base line and 6 tie lines, totalling 2000 feet, all flagged line.

Detailed prospecting geology was done in this area upon return of a 0.046 oz/ton gold assay yielded from sample DD23.

The geology may be seen on figure 9 and grab sample locations with assay results on Figure 8.

The mapping shows the high value was taken from a shear lying within a magnetite bearing intermediate tuff unit. The shear contains disseminated pyrite ($\leq$ 10%), carbonate, carbonate veinlets and some quartz veinlets with local silicification.

Disseminated blotches of orange limonite (10%) are observed.

The shear may measure up to a maximum of 30 feet in width, locally.

Magnetite in the host rocks is typical of the unit and is not an alteration, product.

Results of the detailed surveys were disappointing, as no further ore grade gold assays were produced.

Four extra grab samples were taken from the discovery outcrop. The 0.046 value was not reproduced. The highest assay returned was 680 ppb from DD-50. The other three were below 50 ppb. The next highest assay taken from this shear was 96 ppb from LP-82.

The highest grab sample taken outside of this shear was 119 ppb from RB-52.

The mapping confirms that the shear is continuous through the grid.

Regional traverses show the shear, or related shears exist along strike outside of Grid A. No ore grade assays were culled from any of these structures, though several anomalous gold assays in the 100's of ppb's were returned. These locations may be seen on the 1:400 scale prospecting maps.

In no place was the entire width of the shear exposed and tested during the summer program.

A magnetic feature shown in airborne magnetometer surveys may be explained by the faulting taking place in the area of Grid A. The magnetics would suggest right lateral movement on the shearing.

GRID B

Grid B is located within claims K-751144 and K-751141, on the east shore of Cedar Lake. Previous airborne surveys yielded weak conductive signatures in this area. Two lines of VLF geophysics were done in order to aid prospection of the targets. Results may be seen in Figure 10.

An attempt was made to see if the airborne signatures represented a westerly trending geophysical signature. The survey shows that the trends run North easterly and that the airborne traces represent separate parallel trends.

Figure 11 shows the geology and prospecting results for the strongest signature. The VLF anomaly is found in a shear zone running at 023° in a blue-grey coloured felsic pyroclastic tuff. Fragments up to 120 mm. are observed; these are scoraceous.

The gossanous section of the shear is approximately 3 meters wide. The gossan is penetrative to the fabric of the rock and probably represents weathered sulfides. Other outcrops mapped show evidence of shearing, but are not gossanous.

Other airborne trends to the west represent similar conductors.

The type of shear minerology found here has been tested frequently in other areas.

Grab sample assay results are inconsequential; the highest being 11 ppb Au.

GRID C

Grid C is located within claim K-784076. It consists of a 200 foot baseline and 2 tie lines for a total of 1600 feet.

Previous airborne surveys showed several signatures in the general area. VLF geophysics was performed in order to see if the conductor trends southeast or southwest.

Results may be seen on Figure 12.

A geological map of Grid C is shown on Figure 14.

The geophysical trend could not be adequately prospected due to heavy overburden. The conductor appears to lie in a narrow overburden filled depression. Geological mapping indicates the conductor may be associated with a thin volcanic unit observed to lie between felsic lapilli tuffs. The felsic tuffs give way to basic volcanics and gabbroized volcanics to the south east.

A second VLF signature was defined to the south east, on line 1 South. This is a weak signature, but gossans and sulfide mineralization were observed.

Grab samples taken yielded poor results.

Another line of VLF was done on the north south running claim line between K-784076 and K-784073, again in order to test for a possible northwest to southeast running conductor. The lakeshore prevented obtaining a proper signature. Readings are shown on Figure 13.

Results may show a strong skewness and suggest a conduction running Southwest, probably parallel to the one defined in Grid C.

GRID D

Grid D is located in claims K-751142 and K-751133. This is a one-line grid. Detailed work was done here after the discovery of promising looking disseminated pyrite in an area

of carbonitization and shearing.

A VLF survey was performed and produced negative results (Figure 15).

Prospecting geology may be seen on Figure 16.

The target contains numerous outcrops bearing up to 10% pyrite with associated carbonitization and some narrow quartz veins.

The area seems to be represented by interbedded intermediate volcanoclastic breccias and felsic tuffs.

Sphalerite was tentatively identified by yellow streak in one hand sample. No other sphalerite occurrences were found during prospecting in the area and the one hand sample did not return a high zinc assay.

PROSPECTION OF THE LP-33 AREA

One man day was spent in prospection in the area of LP-33, located within claim K-751119. LP-33 was a sample of gossanous pyrite bearing rock taken during regional prospection. It yielded an anomalous gold value of 181 ppb.

Geology and sample sites may be seen on Figure 17.

Prospection suggests that LP-33 may have been a boulder sample. Six more boulders were tested. Two yielded gold values of 155 and 106 ppb.

Possibilities of immediate strike extensions have been eliminated by outcrop exposure and the limits of gossanous soil.

The 181 ppb assay remains the highest gold value culled from the area.

ZONE 4, GRID 1; L60E

A south west running conductor trace exists at about 700S, on line 60E of Grid 1.

This conductive trace lies within claims K-784057 and K-784052.

The conductor was defined by Kennecott in 1975 and one rock sample near the conductive axis was taken.

During the 1984 field program, one man-day was spent in rediscovering the axis by VLF and hand trenching the conductor.

The geophysical signature may be seen in Figure 19.

A trench map with grab sample sites may be seen in Figure 18.

The trench and nearby outcrop shows the conductor lies within greywackes. At the testing point, conductive material appeared to have a width of two feet. Some small scale folding was evident in the grab samples. Both pyrrhotite and pyrite were observed, but were concentrated, with little mixing between the two. Assay results for the three grab samples were disappointing. The best return was 10 ppb.

ZONE 4 GRID 1 LINE 16E

A southwesterly running conductor trace exists at about 200 south on line 16E of Grid 1. The conductive trace lies within claims K-784042.

The trend was defined by Kennecott in 1975 and drill holes and grab samples were taken.

During the 1984 program, one man-day was spent in rediscovering the conductor axis by VLF. Several grab samples from

the conductive axis were collected.

The geophysical signature may be seen in Figure 21.

The signatures are complicated by a hydro line at about 1+00 S. A conductor is interpreted to exist at 2+00 S.

A pyrite bearing gossanous outcrop exists here and was sampled. Results were disappointing. The best assay return was 11 ppb Au.

All major conductors in the Southwest Burditt Lake Area were tested in at least one place. Sampling not shown in the detailed work may be seen on the regional data maps.

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Edwards, G.R.

1983: Geology of the Bethune Lake Area, Districts of Kenora and Rainy River: Ontario Geological Survey Report 201, 59p. Accompanied by Map 2430, scale 1 inch to one-half mile (1:31680).

MacKeracher, J. D.

1984: Compilation of Assessment and Previous Work, Carried Out in the Burditt-Off Lakes Area, Northwestern Ontario.

Plate 1
Trench at BL 0+00
Zone 2

Plate 2
Shaft at 3+40S 1+65W
Zone 2

Plate 3
Pit at 5+00S 2+95W
Zone 2

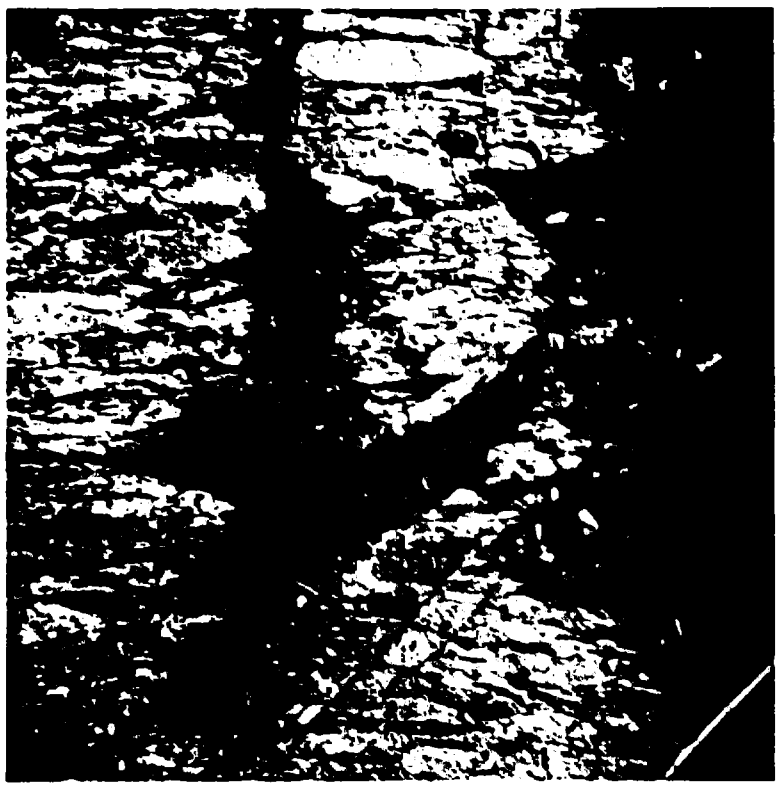


Plate 4
Lappilli Tuffs
Zone 7 Grid 3

Figure 2

Geological Features & Alterations

Burditt - Off Lake

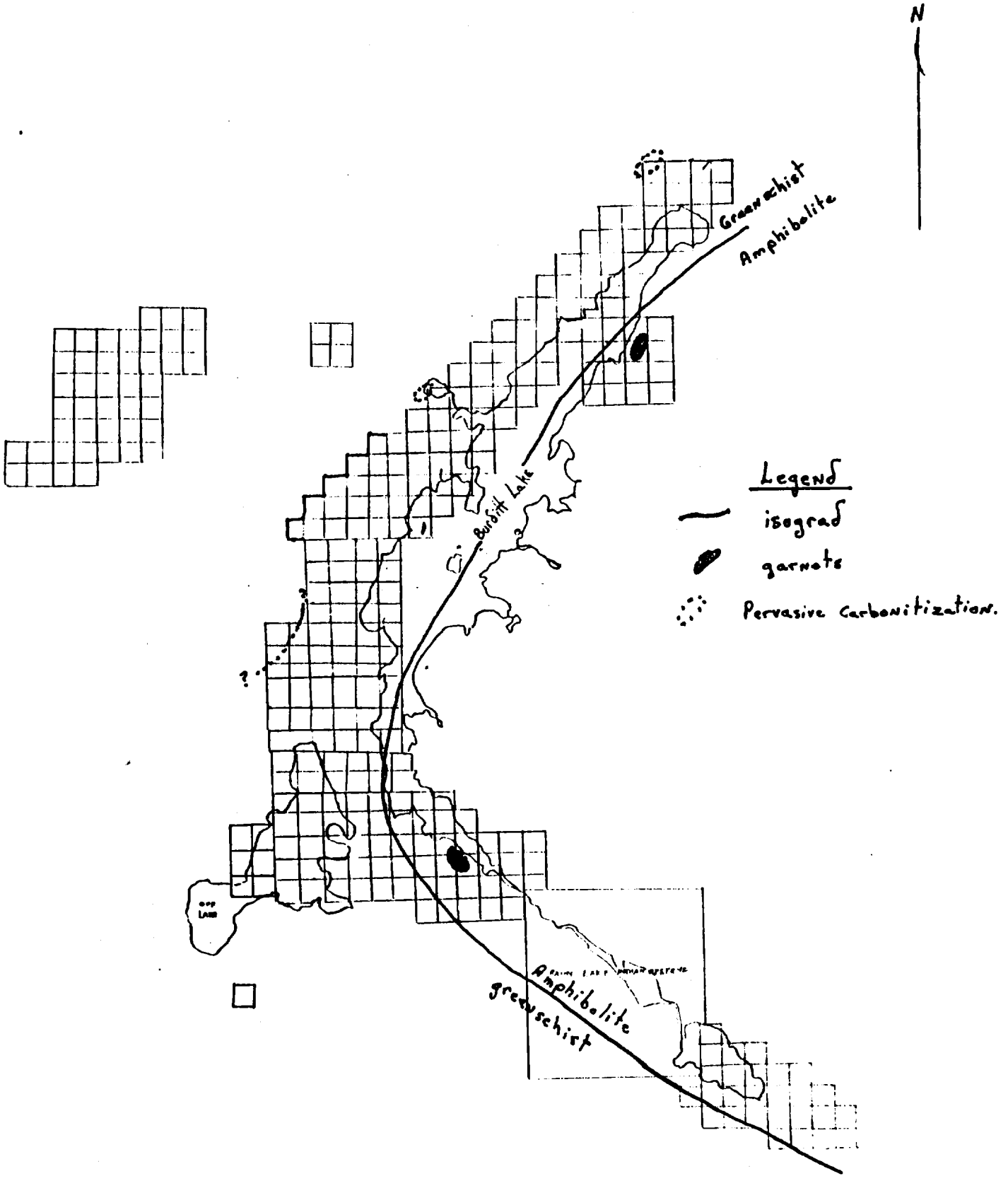


Figure 3

Index Map For Regional Prospecting Data Sheets

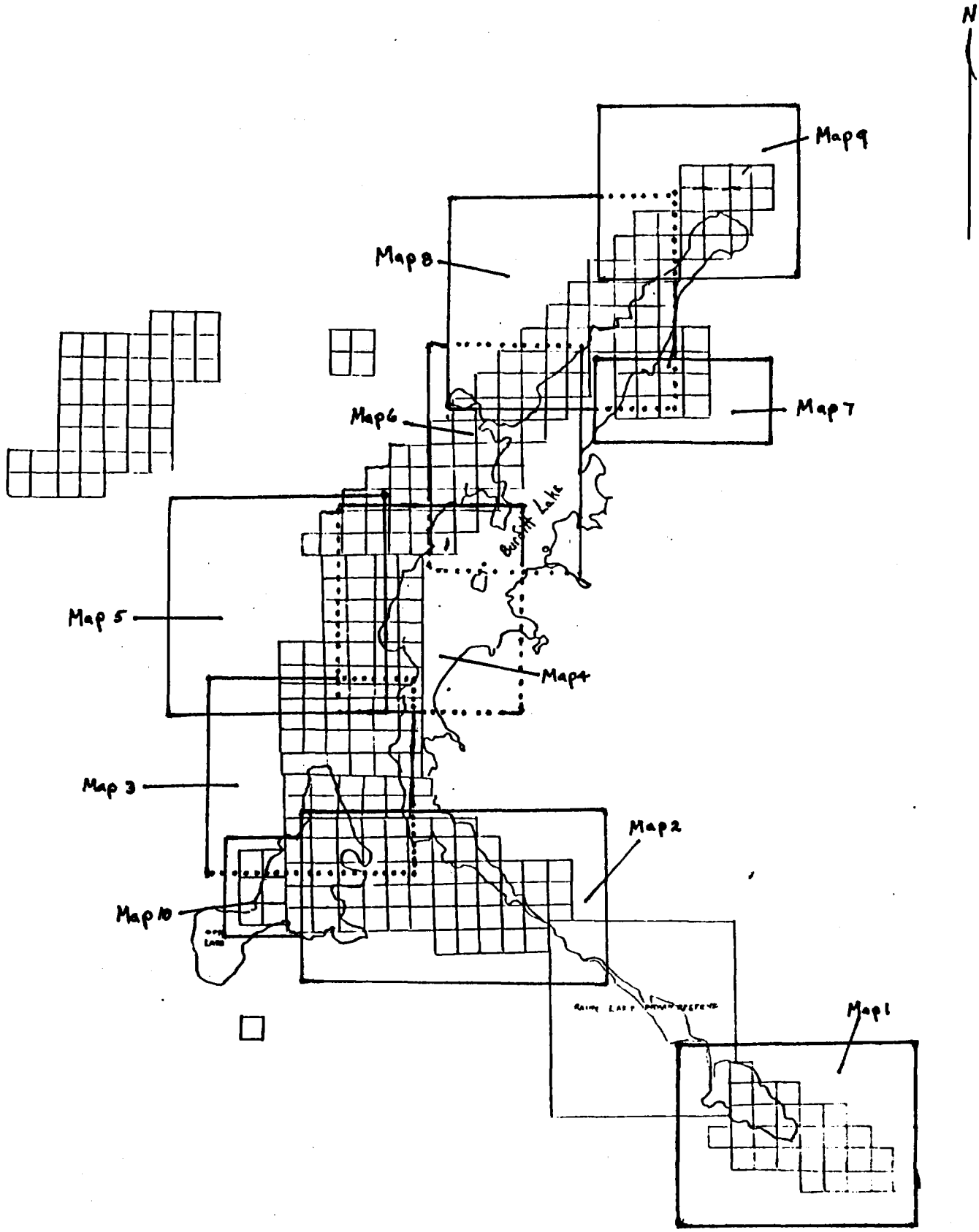


Figure 4

Location Map for Areas of Detailed Prospection

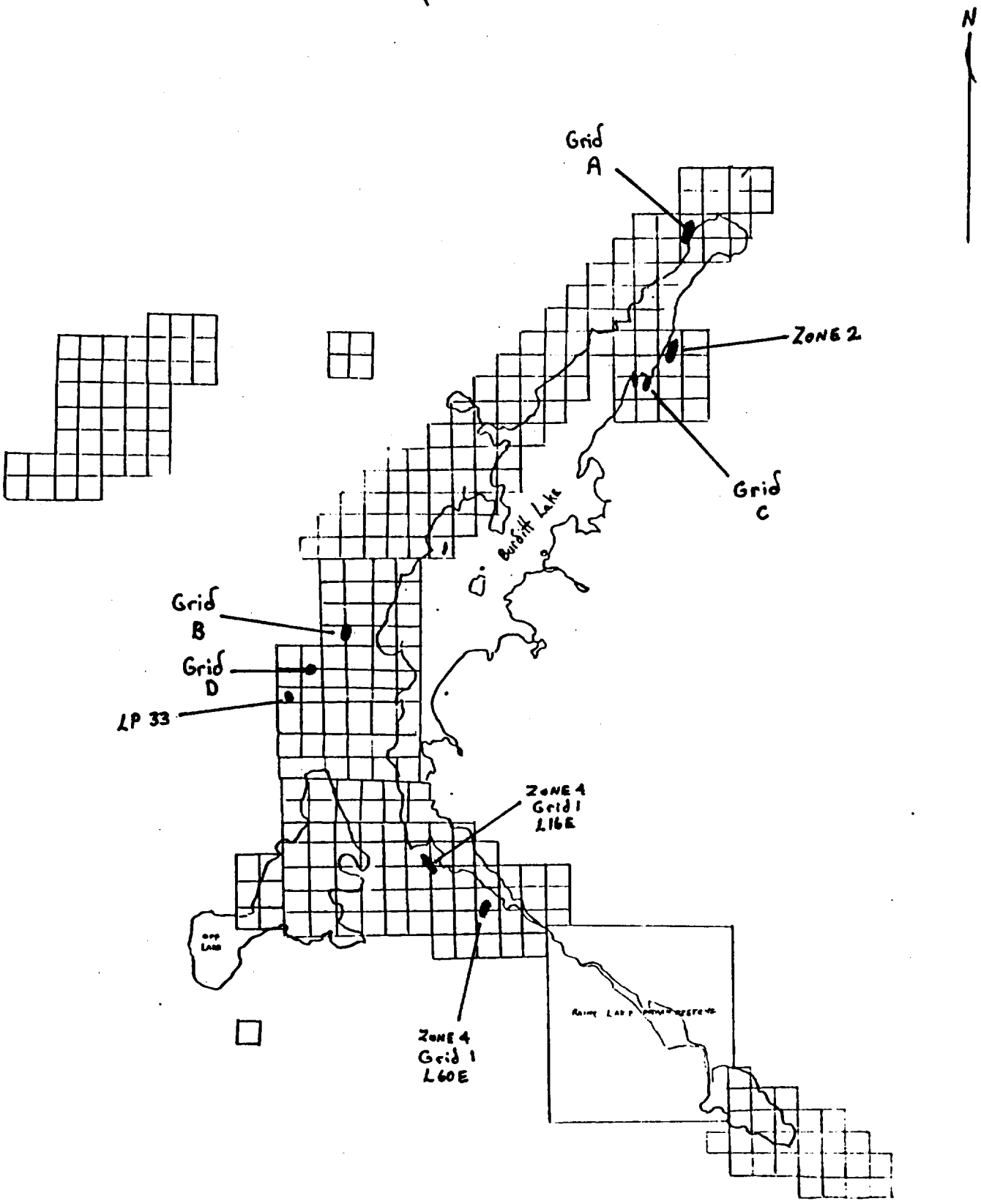


Figure 5

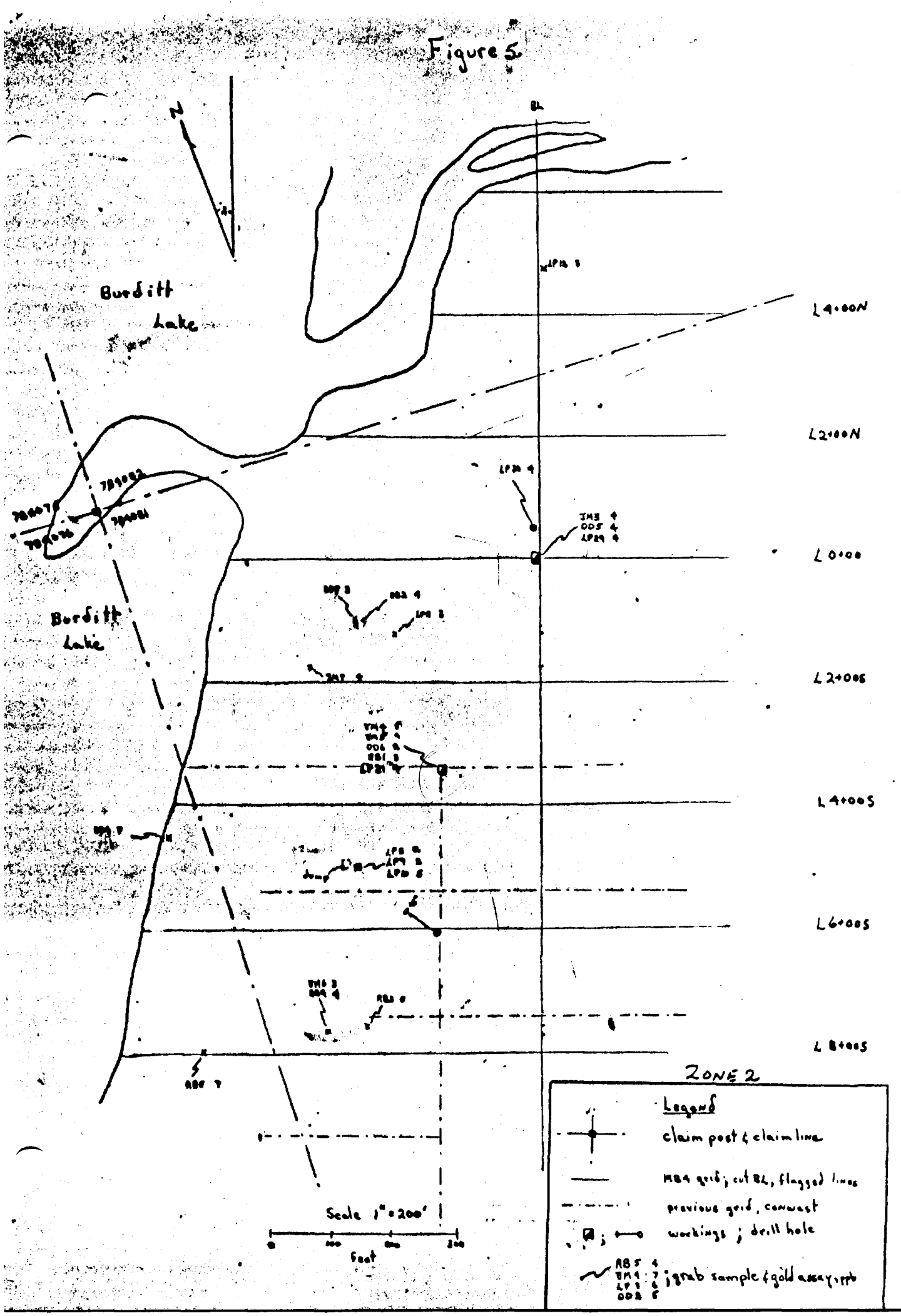
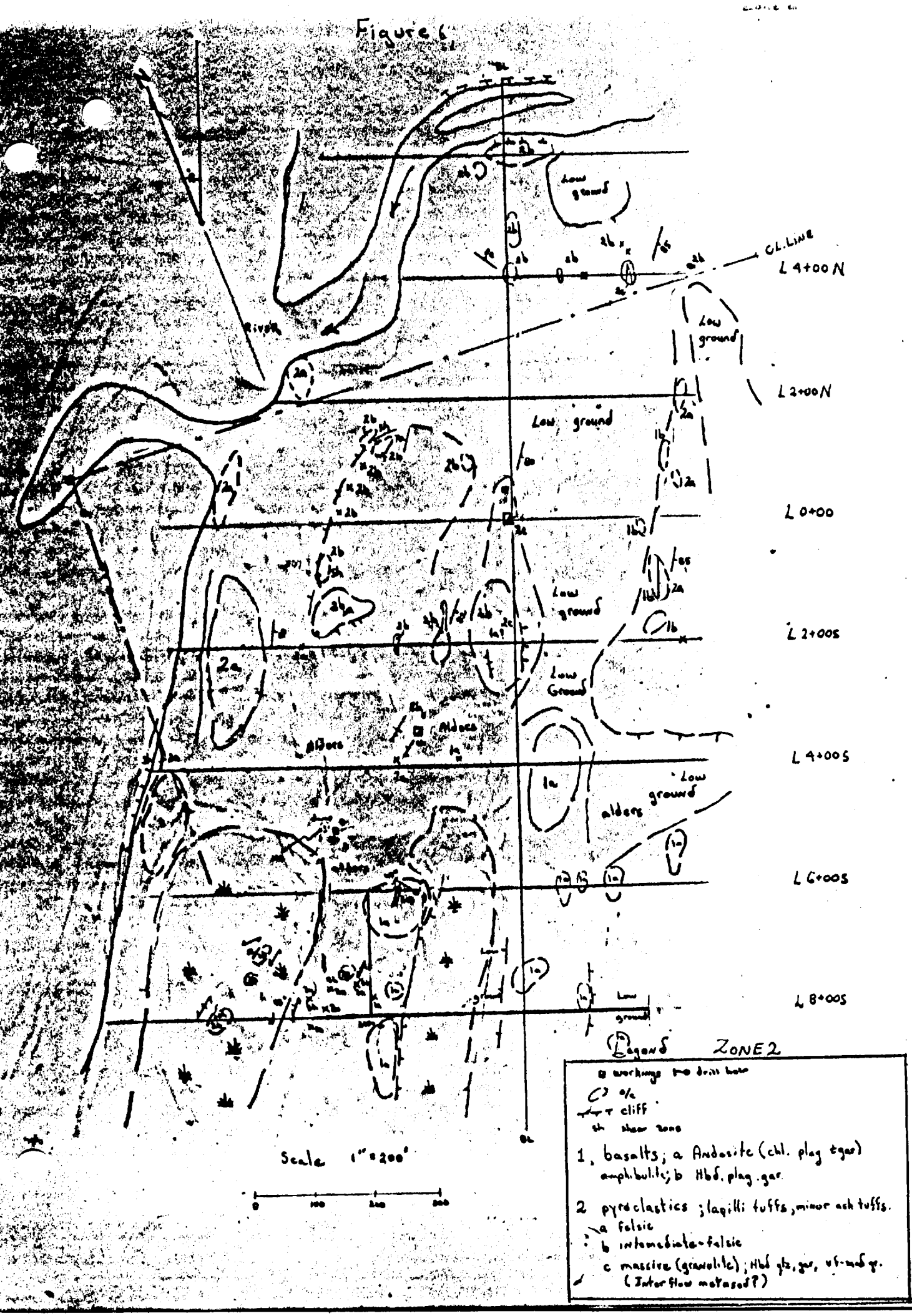

N
BL
Burditt Lake
Burditt Lake
L 4+00N
L 2+00N
L 0+00
L 2+00S
L 4+00S
L 6+00S
L 8+00S
LPM 4
TMS 4
ODS 4
LPM 4
ZONE 2
Legend
claim post & claim line
HBA grid; cut BL, flagged lines
previous grid, conwest
workings; drill hole
grab sample & gold assay, ppb
Scale 1" = 200'
Feet

Figure 6


CL.LINE
L 4+00 N
L 2+00 N
L 0+00
L 2+00 S
L 4+00 S
L 6+00 S
L 8+00 S
Low ground
Low Ground
alders
Scale 1" = 200'
0
100
200
300
Legend ZONE 2
workings and drill hole
cliff
shear zone
1. basalts; a Andesite (chl. plag tgar) amphibolite; b Hbl. plag. gar.
2 pyroclastics; lapilli tuffs, minor ash tuffs.
a felsic
b intermediate-felsic
c massive (granulite); Hbl gtz, gar, vf-md g. (Interflow metased?)

Trench Map of Adit

L 0+03 S, 0+10 W
ZONE 2

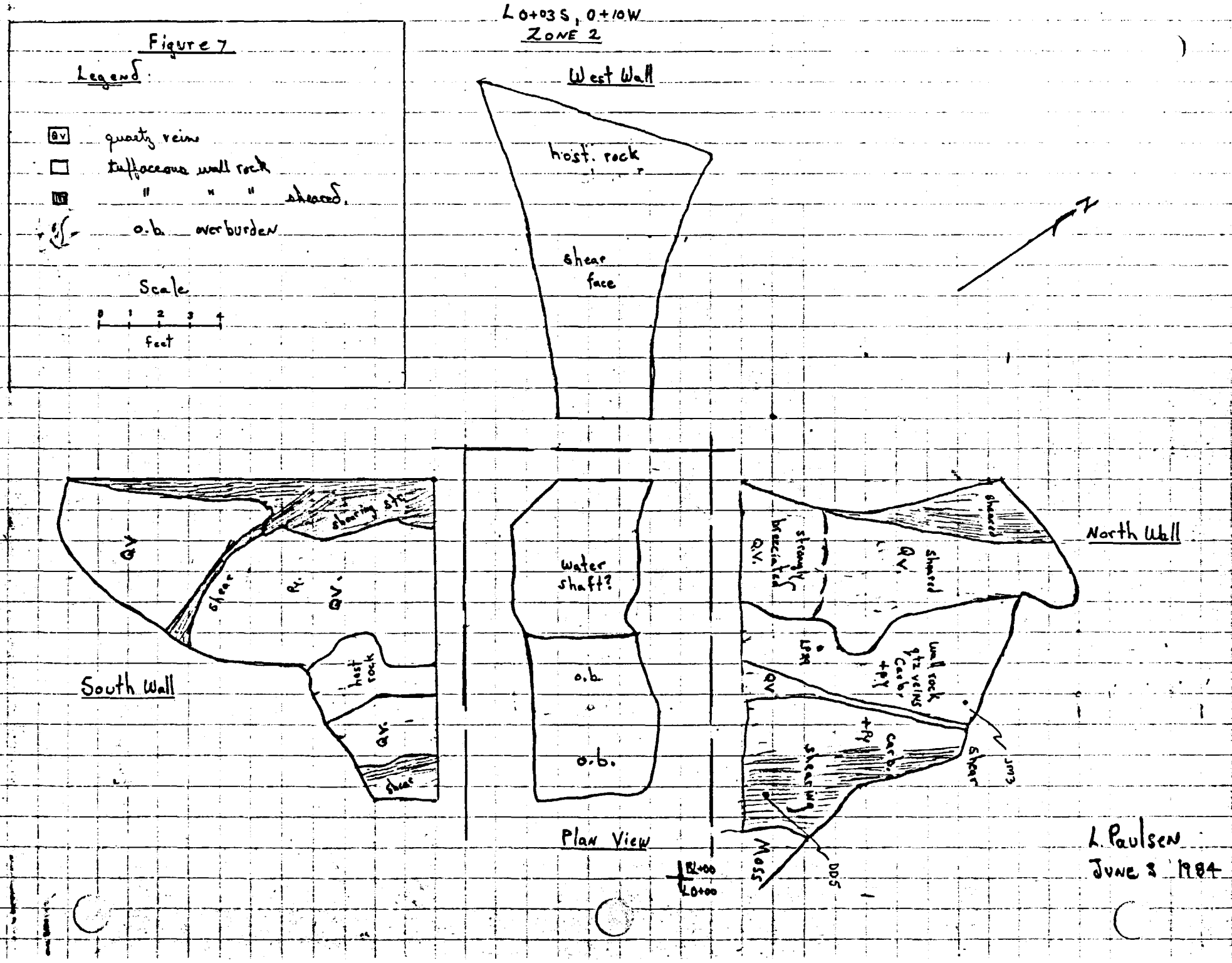
Figure 7

Legend:

- QV — quartz veins
- tuffaceous wall rock
- " " " sheared.
- o.b. — overburden

Scale

0 1 2 3 4
feet



L. Paulsen
June 2 1984

Grid A Sample Locations And Assay Results

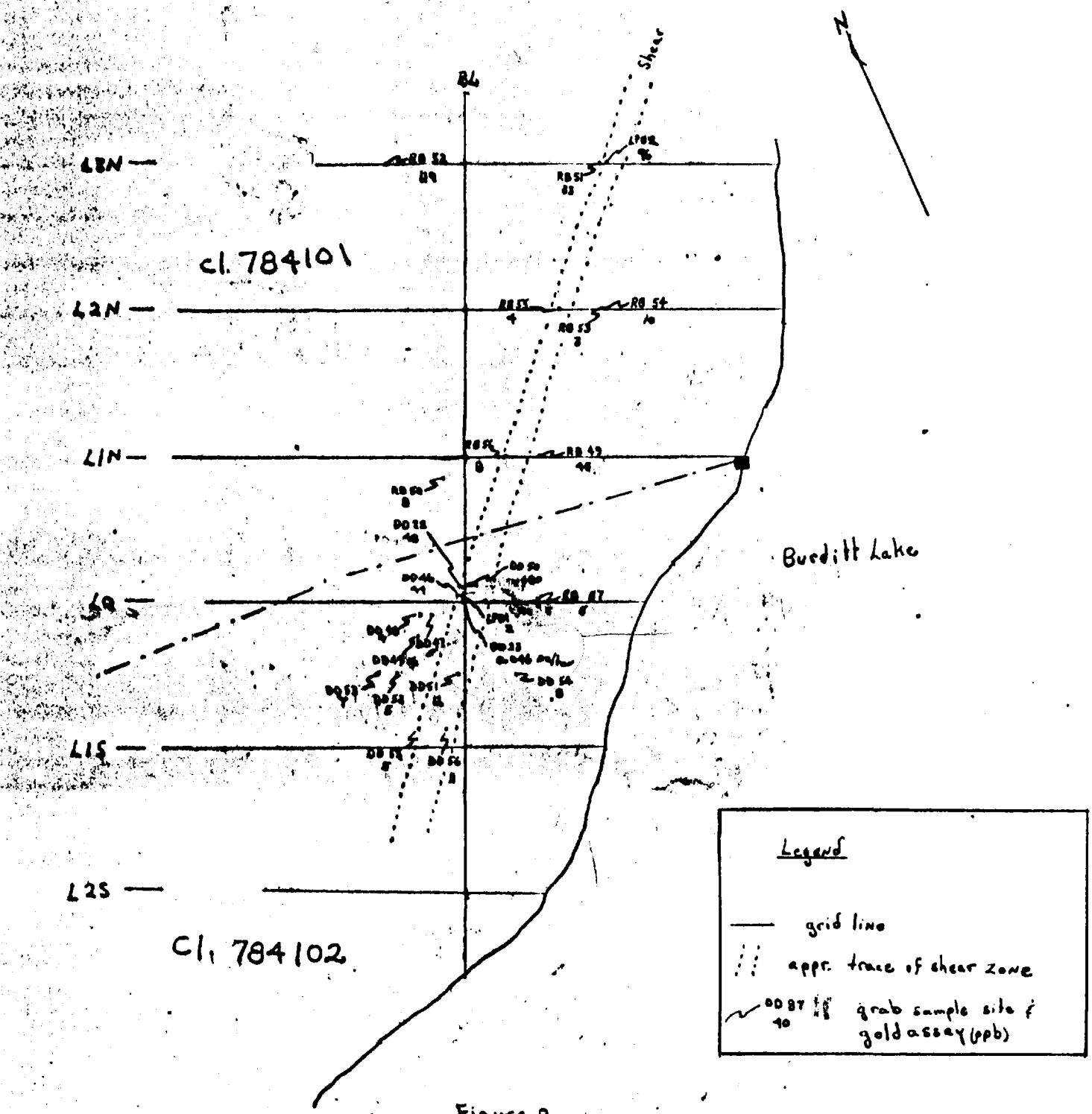


Figure 8

Scale

0 50 100

Feet

Grid A

Geology Plan Map.

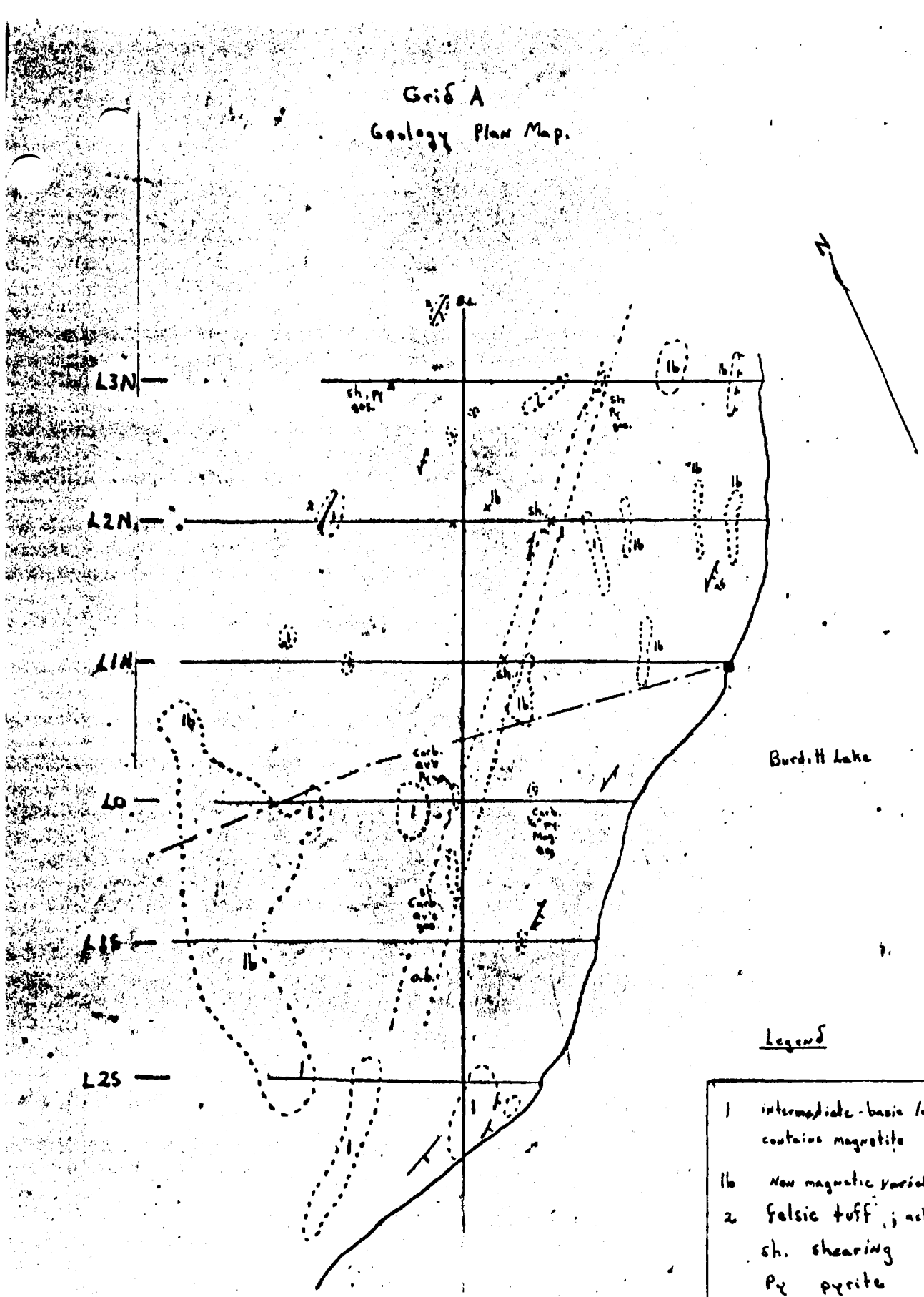


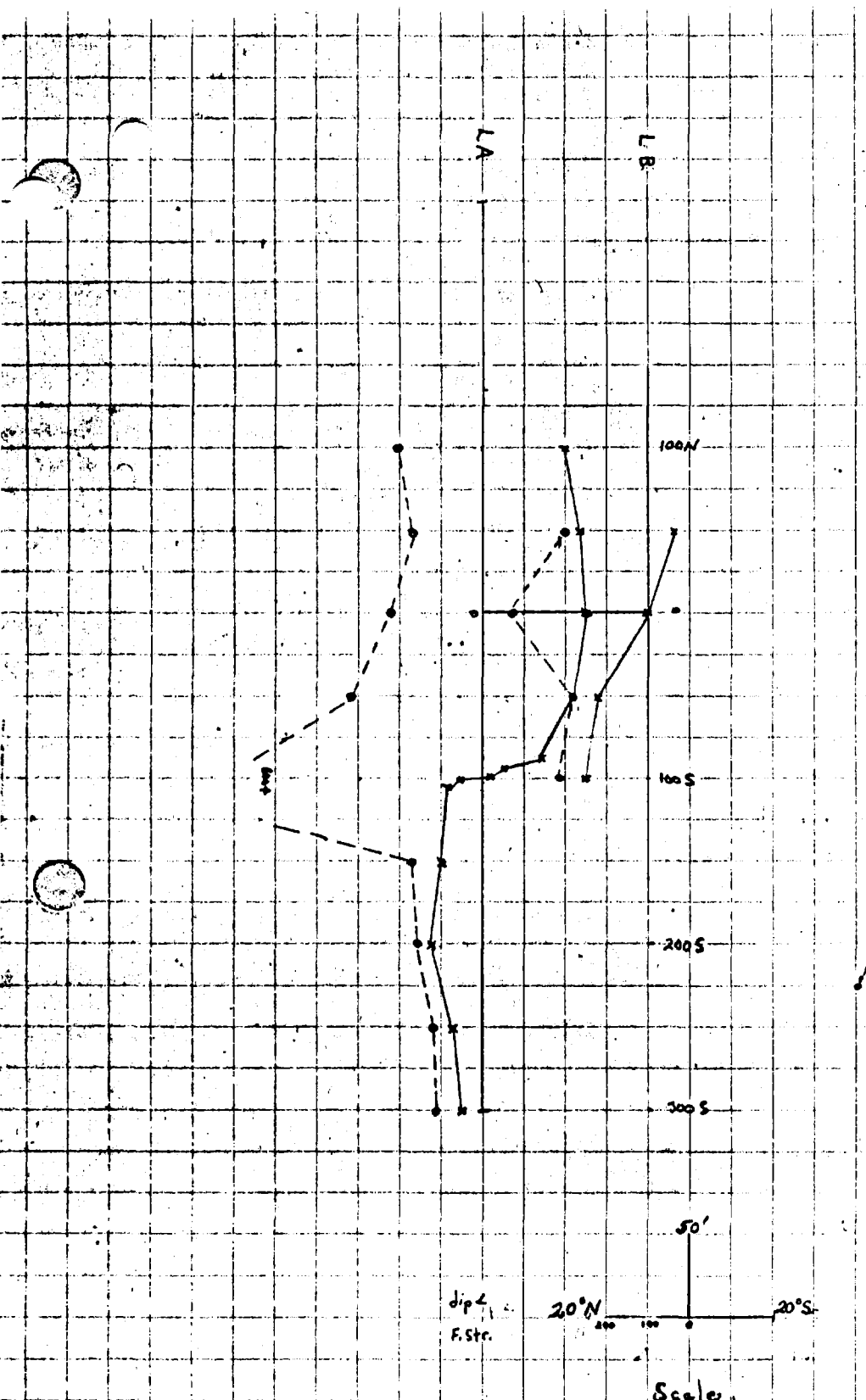
Figure 9
Scale.

0 50 100'
feet

Legend

1	intermediate-basic lapilli tuff; contains magnetite
1b	non magnetic variety
2	felsic tuff; ash, lapilli.
sh.	shearing
Py	pyrite
Carb.	calcite & calcite veining
Mag.	concentrated magnetite.
Qvs	quartz veins
gos.	gossanous; includes lim. & hem.

July 17/84. Lorenz Paulsen.



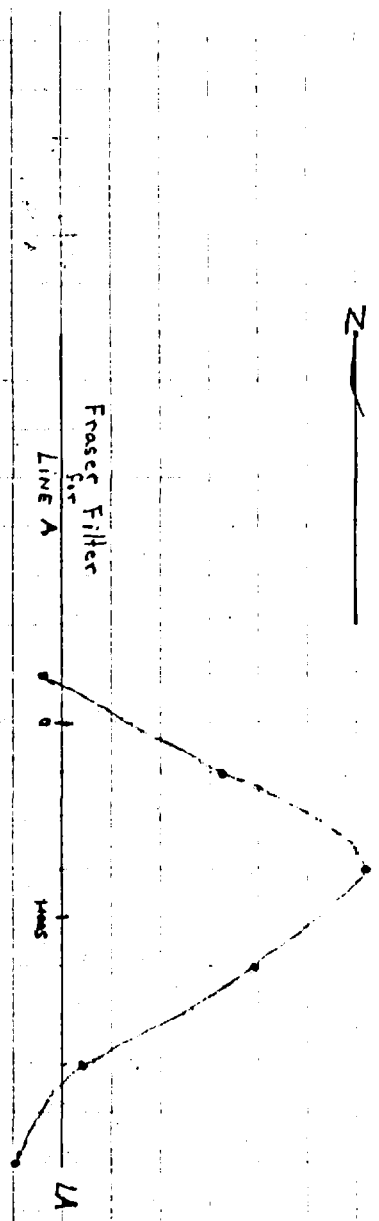


Figure 10

Grid B

c/s: K-751144 & 751151

KRONE Radem UNIT No. 202

Sta: Maryland

gain: 0.94

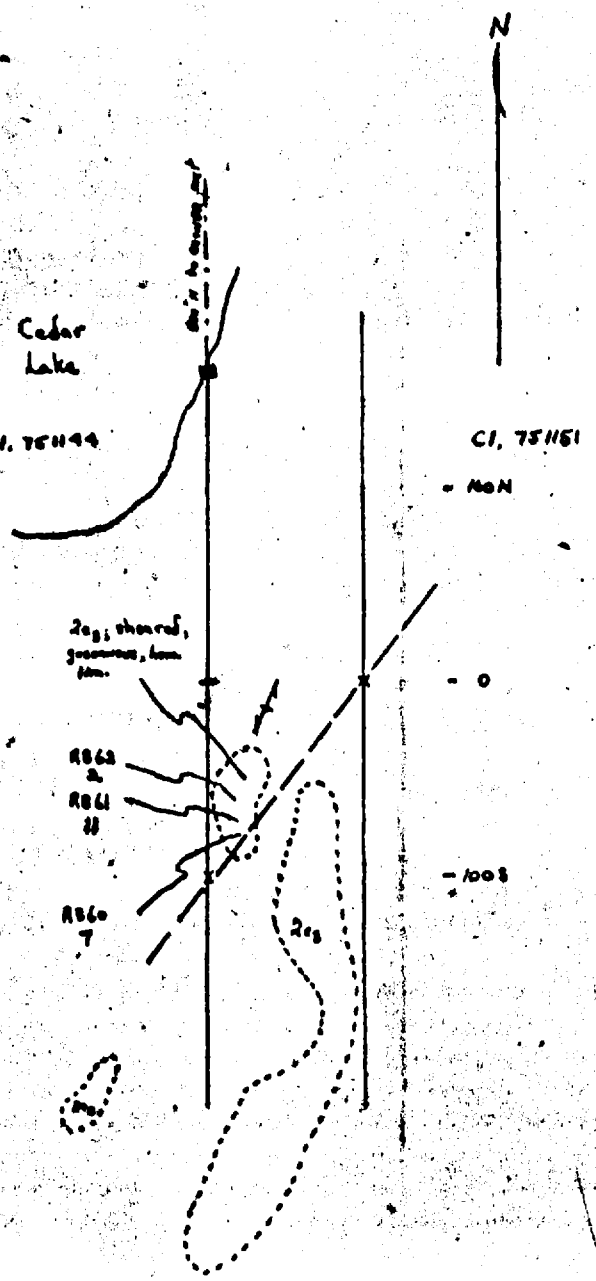
x — x dip angle

o -- o Field Strength.

July 22 1984

Lorenz Paulsen

Figure 4



Grid B.

Legend.

- x–x : VLF cross-over
- ::: outcrop
- ■ claim post
- RB34 → rock sampled & gold assay

Scale

0 50 100 feet

The VLF anomaly was found in a shear zone running at 023° in a blue-grey coloured acidic pyroclastic rock (tuff). Fragments upto 10mm were observed, these are siliceous. The gossanous section of the shear is appr. 3 meters wide, the gossan is penetrative to the fabric of the rock and probably represents weathered sulfides. Other outcrops mapped show evidence of shearing, but are not gossanous.

Other airborne trends plotted to the west represent similar conductor traces.

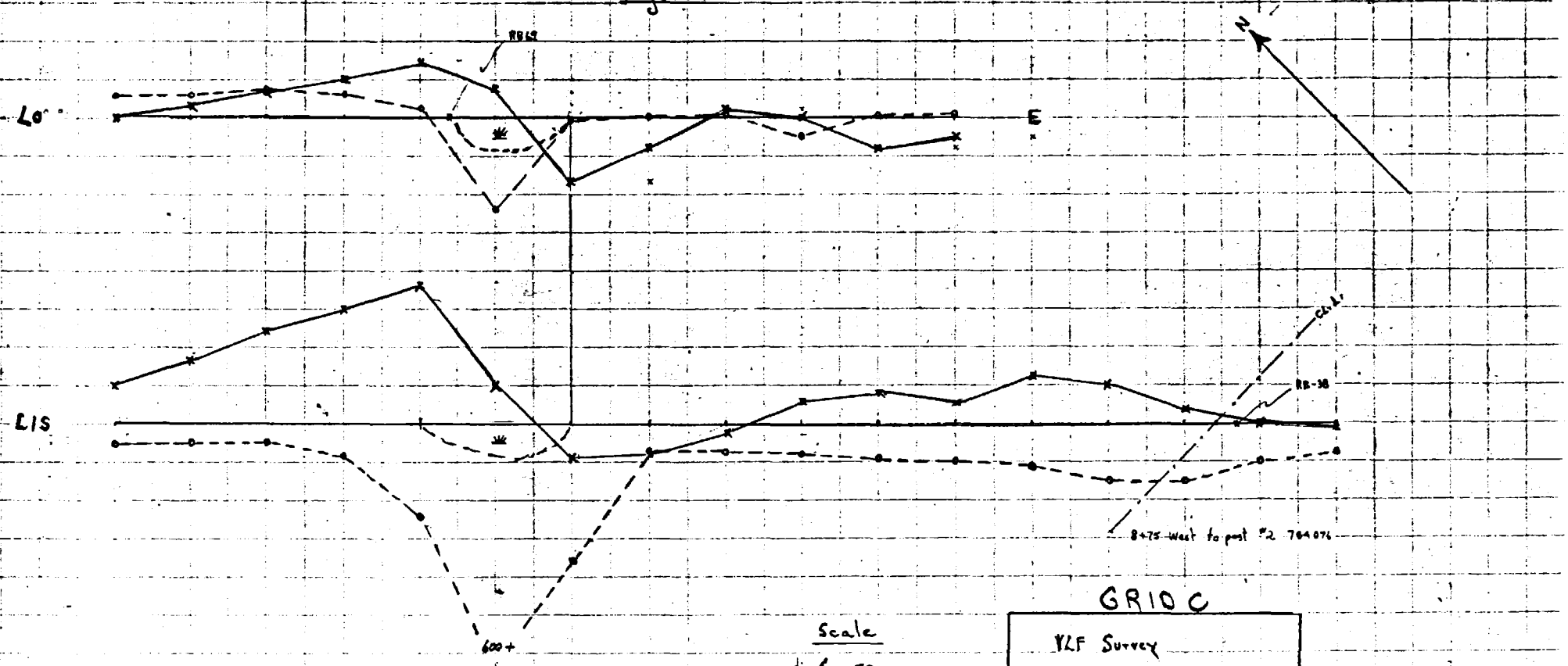
This mineralization has been frequently tested in other areas.

VLF signatures suggest a weaker conductor to the North west.

July 22nd 1984.

Lorne Lawlor

Figure #2



Scale

dip ∠ F.S.

20E 0 100 0 50' 100 20W 100

GRID C

VLF Survey

claims 784076, 784077

Crone Radem Unit No. 202

Sta: Hawaii

Gain: 5.0

x—x dip angle

o—o field strength

Lorenz Pauleene
Aug. 2 1984

Grid C west.

VLF Survey

claims 784073; 784076

Crone Radem Unit No. 202

STA : Maryland

Gain : 1.0

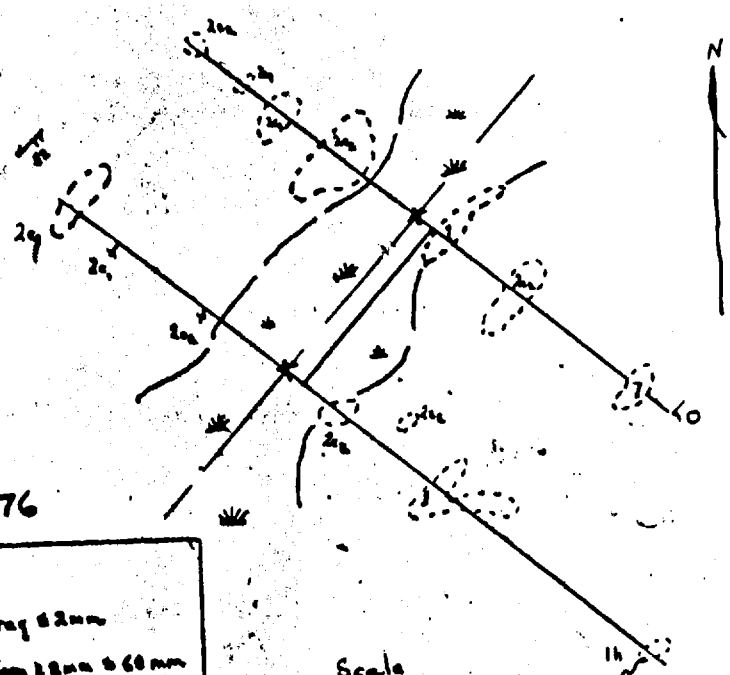
x—x dip ∠

o--o Field Strength

skewed signature.

Lorenz Paulsen
Aug. 2 1984

Figure 1A
Grid C



Cl. 784076

Legend

- 2a, Felsic tuffs; Frag ≤ 2mm
- 2a$_b$ " " ; Frag 2mm to 60mm
- 2 basic vols & tuffs
- 1h includes gabbro
- 7 gabbro
- VLF K-0

Scale
100 200
Feet.

4/5

Lorne Paulsen
Aug 4 1984.

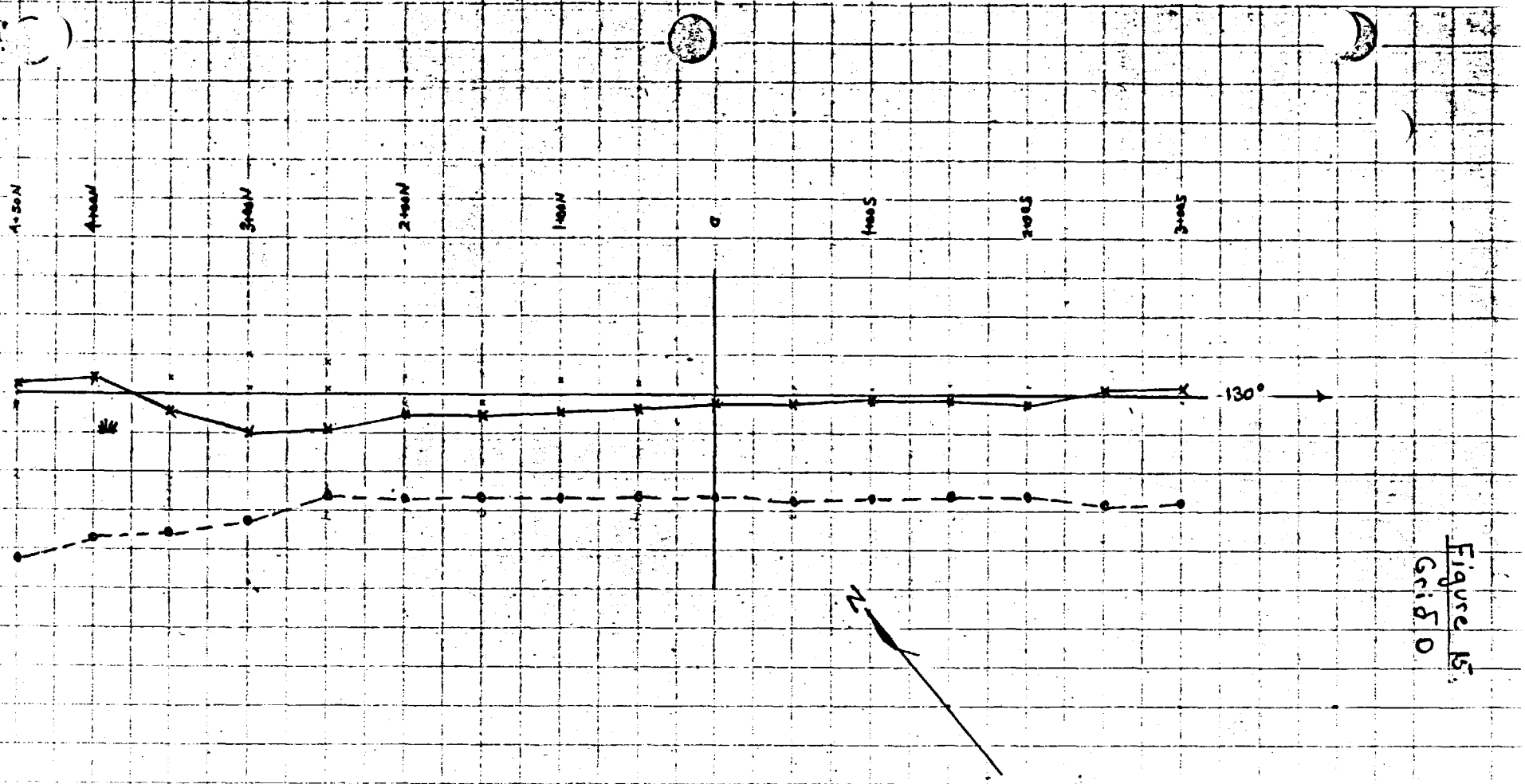


Figure 15.
Grid D

GRID D

VLF Survey

in claims 751142, 751133.

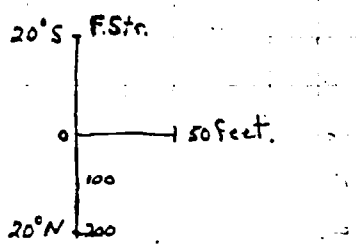
Crone Radem Unit No. 202

STA.: Cutler Maine

Gain: 2.0

Y—X dip angle

o--o field str.



July 25

Lorenz Paulsen.

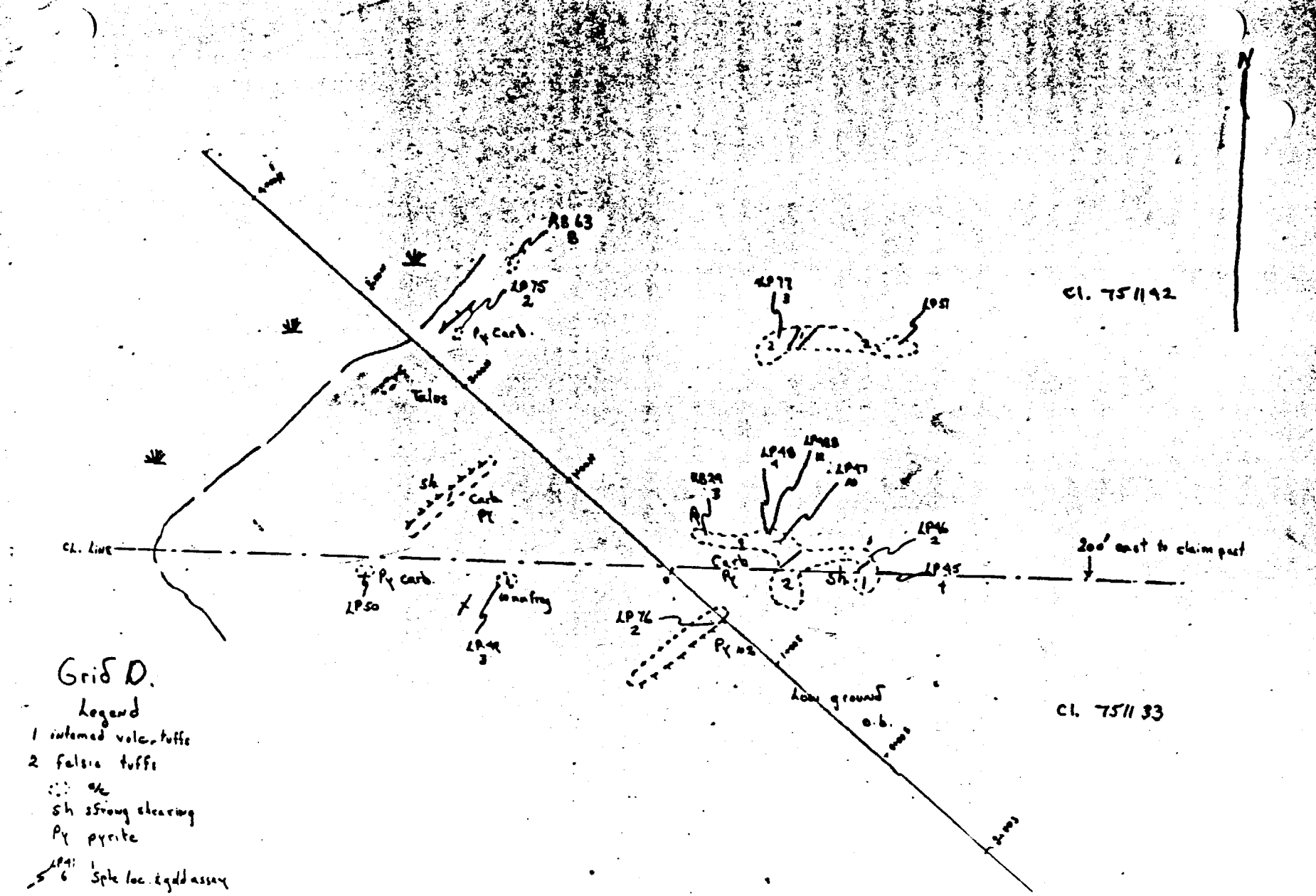
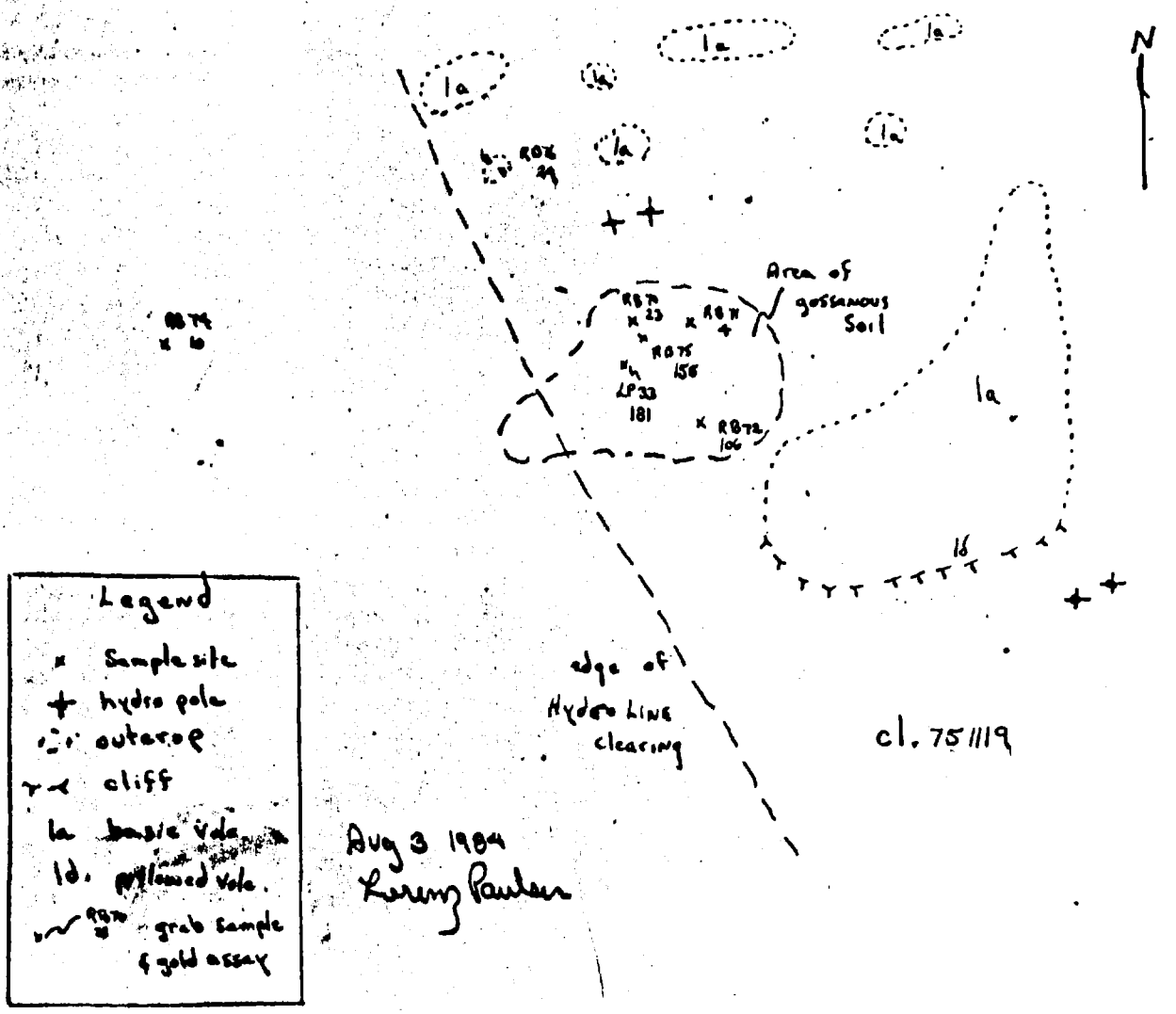


Figure 16
Grid D

July 25
Kerry Poulsen.

Figure 17

LP 33 Area



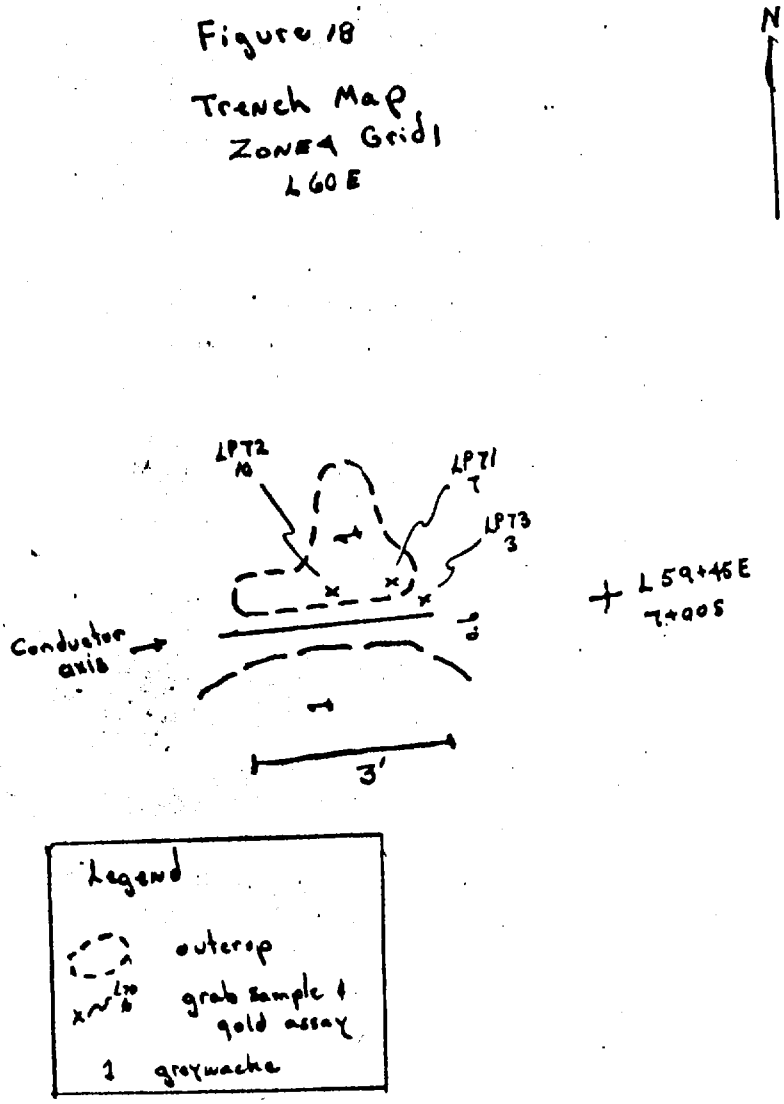
Legend

- x Sample site
- + hydro pole
- outcrop
- cliff
- 1a basic vole
- 1b. pyllowed vole.
- RB72 39 - grab sample & gold assay

Aug 3 1984
Kerry Poulsen

Figure 18

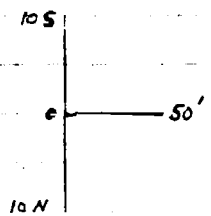
Trench Map
Zone 4 Grid
L 60 E



Zone 4, Grid 1, Line 60E.

Figure 19

Scale

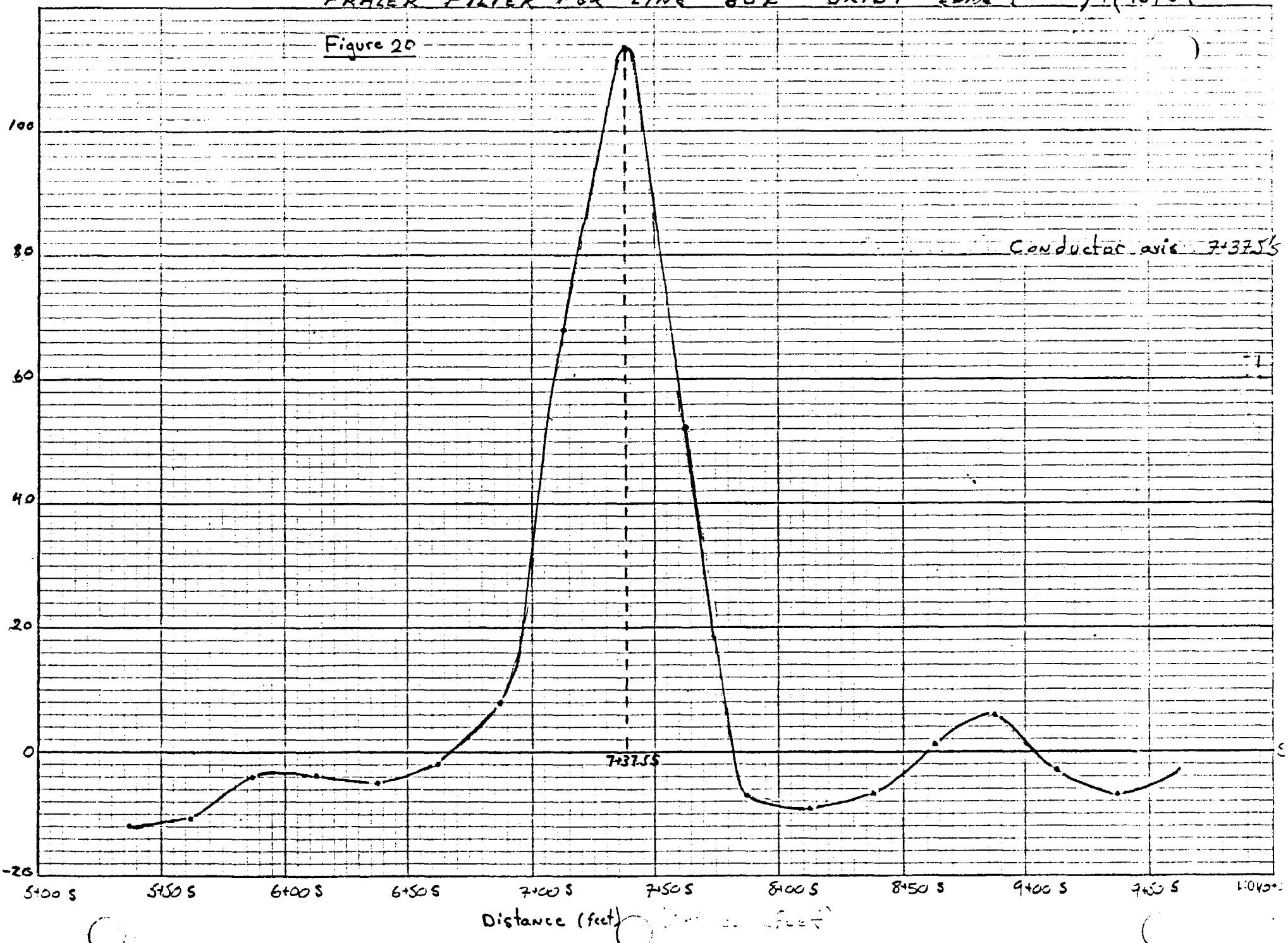


VLF Profile.
Grid 1 Line 60E.
Zone 4.
Krone Radem Unit No. 202
Sta: A Maryland
x-x dip angle

July 16 1984
Lorenz Paulsen.

FRAZER FILTER FOR LINE 60E GRID I ZONE 4 July 16/84

Figure 20



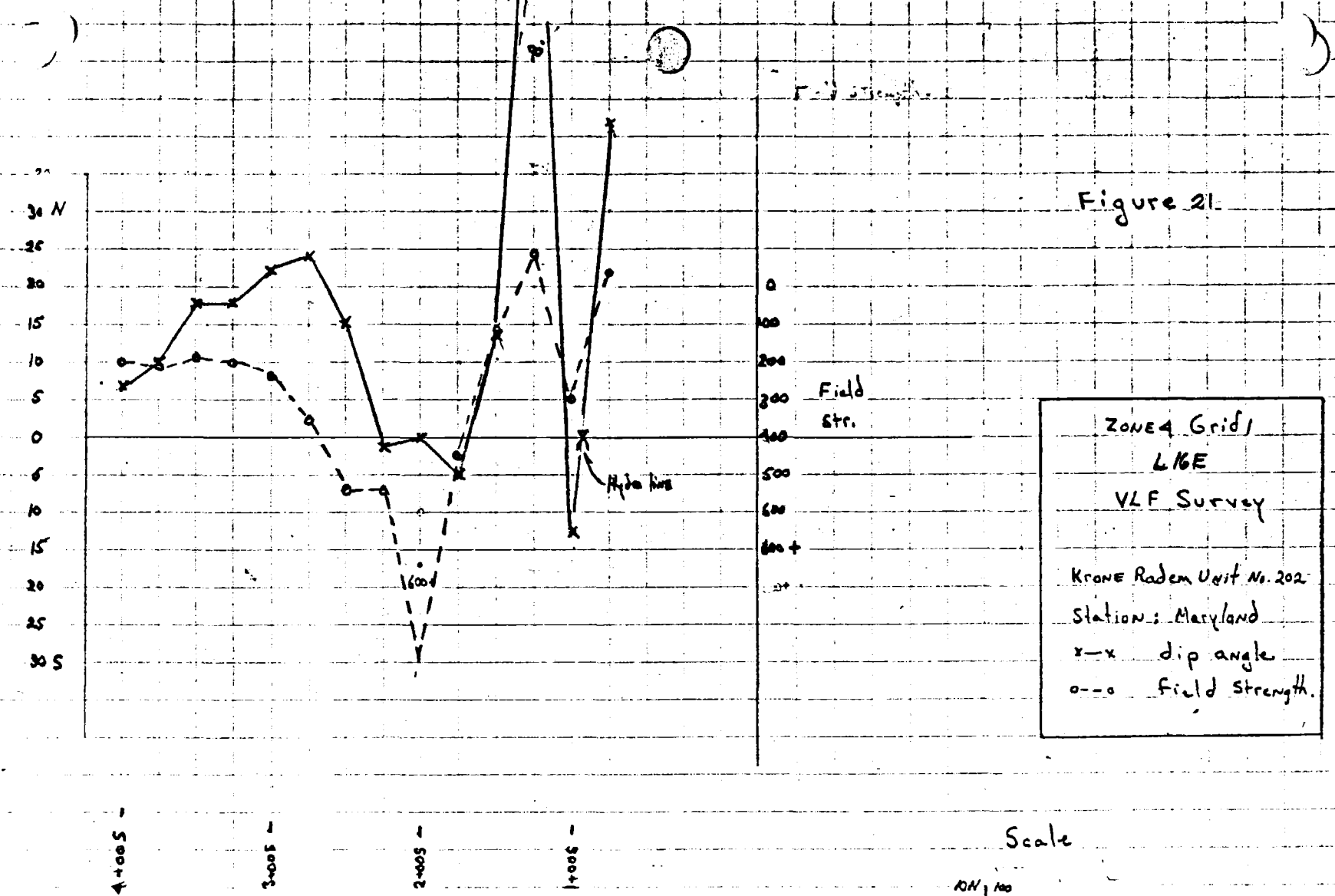
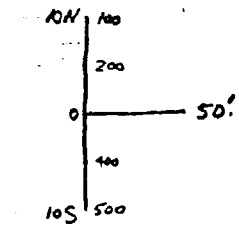


Figure 21

ZONE 4 Grid
L16E
VLF Survey

Krone Radem Unit No. 202
Station: Maryland
x—x dip angle
o--o Field Strength.

Scale



July 16/84

Lorenz Paulsen.

Appendix I

PROSPECTING SAMPLE LISTS AND ASSAY RESULTS

SAMPLE LIST - J. D. MacKERACHER Project 6310

Sample No.	Date 1984	Location	Description	Assays Au ppb	Assays ZN ppm
J.M. 1	May 28	Zone 7; 11+50S, 0+70W Claim 751112	gossan, sheared, tuff (felsic), trace py. in fractures	3	
J.M. 2	May 29	Zone 7; 12+15S, 2+40W Claim 751112	gossan, highly sheared, ≤ 5% py in fractures, hematite, siliceous, carbonate, felsic tuff.	5	
J.M. 3	May 30	Zone 2; BLO, L0+00 Claim 784081	adit, qtz. vein wall, sheared, 5% py, garnets in wallrock carbonate, wad. weathered staining on py.	4	
J.M. 4	May 31	Zone 2; 3+40S, 1+65W Claim 784081	shaft, boulder beside shaft, gossan, sheared, felsic tuff ≤ 5% py.	5	
J.M. 5	June 1	Zone 2; 3+40S, 1+65W Claim 784081	shaft, shaft wall, gossan, strong shearing, ≤ 5% py. concentrated on foliations, vuggy qtz. vein with hematite.	4	
J.M. 6	June 3	Zone 2; 7+70S, 3+50W Claim 784081	gossan in fractures, sheared acid tuff, no visible sulphides siliceous, exposed by tree.	3	
J.M. 7	June 3	Zone 2; 1+75S, 3+75W Claim 784081	gossan, sheared (moderate), minor py in foliation fractures, felsic tuff.	4	
J.M. 8	June 6	Zone 4; Claim 784040	Small shear zone & Minor gossan in Feldspar porphyritic mafic flow, 10% feld phenocrysts under 1cm diam, < 1% py.	15	
J.M. 9	June 6	Zone 4; 25+50E 10+25S Claim 784041	shear zone (large area), gossan in fractures, trace py, metasediment.	8	
J.M. 10	June 9	Claim 751156	gossan in shear zone in acid tuff contain lappili and black fragments, trace py, fragments elongated // to shear.	5	

SAMPLE LIST - J. D. MacKERACHER - 2 - Project 6310

Sample No.	Date 1984	Location	Description	Assays Au ppb	Assays ZN ppm
J.M. 12	June 11	Zone 4; L24E 1+25S Claim 784046?	- float over strong EM conductor, angular, abundant, gossan, sheared, schist, mostly mica + chlorite, near source.	3	
J.M. 13	June 11	Zone 4; 25+00E 10+15S Claim 784041?	- gossan, minor py, sheared, folded, mafic to intermediate metasediment, qtz. veining, near felsic porphyry contact.	4	
J.M. 14	June 12	Claim 784036	- gossan along fractures, shear zone, basalt, 1% pyrite, 1-2% pyrrhotite along fractures.	7	
J.M. 15	June 13	Zone 4; 17+00S 23+50E Claim 784040	- sheared basalt, minor gossan in fractures, 1-2% py, stretched parallel to shear planes.	4	
J.M. 16	June 13	Zone 4; 18+40S 23+60E	- highly sheared, gossan, minor py along fractures, feldspar porphyritic mafic flow.	5	
J.M. 17	June 14	Zone 3; 4+50E 20+75S Claim 751102	- garnet amphibolite, trace py, minor carbonate, slightly sheared possible hematite or sphalente.	8	
J.M. 18	June 14	Zone 3; 9+50E 20+40S Claim 751102	- medium grained basalt, 1% py, 2-3% pyrr, trace cp, minor shearing + gossan, chlorite + carbonate in sheared area, abundant hornblende	7	
J.M. 19	June 14	Zone 3; 3+50E 20+60S Claim 751102	- coarse grained tuff (felsic), 1% py, slightly sheared	8	

Sample No.	Date 1984	Location	Description	Assays Au ppb	Assays ZN ppm
J.M. 20	June 14	Zone 3 2+75E 20+00S Claim 751102	- boulder over EM target, basalt, 2-3% py. + pyrr.	4	
J.M. 21	June 17	Zone 3; Claim 751100 28+40S 10+20E	- basalt, 3.5% po, (diss.), minor py in fractures, moderate shearing, minor brecciation due to faulting, gossan, qtz. veining, carbonate	10	
J.M. 22	June 17	Zone 3; 28+00S 9+40E Claim 751100	- basalt, 5% po (diss.), 1% py. in fractures, sheared, gossan.	5	
J.M. 23	June 17	Zone 3; 29+20S 11+30E Claim 751100	- basalt, 2-3% po (diss), 2 py, sheared, gossan, breccia zone due to faulting, massive py veinlet	12	
J.M. 24	June 18	Claim 751110	- medium grained basalt, sheared, some gossan, hornblende, muscovide fractures, po 3-5%.	20	
J.M. 25	June 18	Claim 751110	- fine grained basalt, sheared, gossan, 1-2% po, 2-3% py, qtz. veinlets.	93	
J.M. 26	June 18	Claim 751110	- basalt, breccia zone due to faulting, minor shear + gossan, 1-2% po, 1% py.	8	
J.M. 27	June 18	Claim 751110	- basalt (amphibolite?), sheared, 1% py, some gossan.	62	
J.M. 28	June 18	Claim 751110	- basalt, shear zone, gossan, 2-3% po, trace py.	2	
J.M. 29	June 18	Claim 751110	- medium grained basalt, small 2-5 mm. phenocrysts (5%) of blue translucent mineral (qtz?), minor py, porphyritic	7	
J.M. 30	June 18	Claim 751110	- basalt, highly sheared & gossanous, chlorite, qtz. veinlets, trace of sulphides.	2	
J.M. 31	June 18	Claim 751110	- basalt, medium grained, blue translucent mineral (qtz?), phenocrysts 5% po, trace py.	11	

Sample No.	Date 1984	Location	Description	Assays Au ppb	Assays ZN ppm
J.M. 32	June 20	Claim 751164	- lapilli tuff, highly sheared, chloritic rich, minor gossan	2	
J.M. 34	June 22	Claim 784102	- felsic tuff, light green mineral , trace po, siliceous	4	
J.M. 35	June 22	Claim 784102	- basalt, sheared, gossanous, 10% py cubes up to 1/2 cm.	11	
J.M. 33	June 22	Claim 784102	- fine grained gabbro, minor py, qtz. phenocrysts (few)	4	
J.M. 36	June 22	Claim 784102	- fine grained mafic tuff, magnetite (non visible), carbonate, sheared, gossanous.	4	
J.M. 37	June 22	Claim 784102	- magnetite mafic tuff, gossanous, sheared, 2% po.	14	
J.M. 38	June 26	Claim 784092	- fine grained gabbro (diabase) 50% hornblende, 1% po associated with green minerals (zeolites?)	8	27
J.M. 39	June 26	Claim 784092	- fine grained gabbro (diabase) 50% hornblende, 1% py, trace po	3	46
J.M. 40	June 28	Claim 784104	- fine grained mafic tuff, magnetic, gossanous, sheared, 50% carbonate, minor py.	3	106
J.M. 41	June 28	Claim 784104	- highly sheared and gossanous mafic tuff, 10% py parallel to foliation,py cubes.	19	48
J.M. 42	June 28	Claim 784104	- same as J.M. 41, 30% py	14	93
J.M. 43	June 28	Claim 784104	- Same as J.M. 41, 30% py, talus sample	343	163
J.M. 44	June 28	Claim 784104	- mafic tuff (lapilli), silicified, carbonate, 2% py cubes, sheared	5	51
J.M. 45	June 28	Claim 784104	- felsic tuff (lapilli), biotite, rusted, minor py.	4	59
J.M. 46	July 2	Claim 784105	- lapilli/ash mafic tuff, highly sheared, gossan along shear planes, chloritic, carbonate veinlets, silicified, 1% py.	18	
J.M. 47	July 2	Claim 751146	- (felsic) pumice bombs in scoria matrix, local iron stained holes 1% magnetite crystals in scoria, minor py.	12	

Sample	Date 1984	Location	Description	Assays Au ppm	Assays ZN ppb
J.M. 48	July 3	Claim 784106	- fine grained gabbro, local iron staining, 2-3% po	14	
J.M. 49	July 3	Claim 784099	- carbonate/quartz veinlet in basalt host, vein 1-2 cm. wide, > 10' strike length, 5% py cubes, actinolite, trace malachite, possible cp, possible sph, possible galena	44	
J.M. 50	July 3	Claim 784099	- talus (angular boulder), iron stain along fractures, minor malachite 2-3% py, 1% po, non sheared, carbonate along fractures, basalt.	45	
J.M. 51	July 3	Claim 784099	- basalt, iron stained on fracture surface, carbonate, 1-2% py & po	15	
J.M. 52	July 3	Claim 784099	- basalt, sheared, jointing, gossan, carbonate veinlets, 1% py in veinlets, 2% po in basalt.	23	
J.M. 53	July 5	Claim 784087	- fine grained gabbro/basalt, visible folding, chloritic, minor shearing minor py cubes.	8	
J.M. 54	July 5	Claim 784087	- felsic dike (rhyolitic), sheared, gossanous, py bands (1-2%) malachite, minor carbonate.	11	
J.M. 55	July 5	Claim 784075	- gabbro, breccia + talus zone, minor py, iron staining, trace po	15	
J.M. 56	July 5	Claim 784076	- felsic intrusive (medium grained) - dioritic, minor py, malachite, possible cp.	5	
J.M. 57	July 8	Claim 784066	- basalt (amphibolite), sheared, gossanous, iron staining, siliceous banding, trace sulphides, kink folding, qtz. veinlets & veins.	7	19
J.M. 58	July 8	Claim 784061	- basalt, jointing breccia, iron stain on fractures, < 1% po on fractures, minor py, abundant biotite & hornblende.	7	37
J.M. 59	July 10	Claim 784035	- diabase, < 1% po, trace po, minor iron stain, carbonate on fractures, minor muscovite, small green patches.	10	31
J.M. 60	July 10	Claim 784035	- diabase/basalt, sheared, iron stain, 3-5% po, 1% py, qtz. veinlets, malachite.	34	70

Sample No.	Date 1984	Location	Description	Assays Au ppb	Assays ZN ppm
J.M. 69	July 12	Claim 784064	- feldspar-quartz porphyry, 1% py, massive	5	67
J.M. 70	July 16	Claim 784108	- felsic tuff?, highly sheared, gossanous, yellowish, cherty, 95% silica, trace sulphides.	8	47
J.M. 71	July 16	Claim 784108	- felsic tuff?, dirty chert, 5% po along fractures, 1-2% py, iron stain gossan, minor shearing.	18	28
J.M. 72	July 16	Claim 784108	- rhyolitic, cherty, 10% diss. po, trace py, iron stain.	2	72
J.M. 73	July 16	Claim 784108	- rhyolitic, 20% po, 3-5% py, iron stain	4	56
J.M. 74	July 16	Claim 784105	- gabbro, carbonate, 3-5% py cubes.	8	97
J.M. 75	July 18	Claim 784104	- qtz. vein in gabbro, small, iron stain, 2-3% py, minor malachite	4	62
J.M. 76	July 18	Claim 784104	- gabbro, 1-2% py cubes, chloritic, carbonate	8	59

ple	Date 1984	Location	Description	Assays Au ppb	Assays ZN ppm
J.M. 77	July 18	Claim 784104	- gabbro, 2-3% diss. py, carbonate, qtz. phenocrysts.	8	91
J.M. 78	July 18	Claim 784097	- lapilli tuff, sheared, gossanous, iron & hematite stain, 2-3% po minor carbonate.	5	28
J.M. 79	July 18	Claim 784097	- basalt/mafic tuff?, sheared, kink folding, silicification, iron staining & gossan, 5% py along shear, qtz. veining.	10	133
J.M. 80	July 20	Claim 784082	- felsic tuff, iron stain, minor shearing, minor sulphides (po), fracturing.	3	43
J.M. 81	July 20	Claim 784082	- felsic tuff, sheared, gossanous, iron stain.	5	24
J.M. 82	July 20	Claim 784083	- rhyolite, sheared, iron stain, minor gossan, fractured, minor py, qtz. veining, silicified.	4	63
J.M. 83	July 20	Claim 784097	- qtz. vein in sheared mafic tuff, 2-3% py in qtz. and contact with wallrock, iron stain, minor gossan.	12	53
J.M. 84	July 20	Claim 784097	- mafic tuff adjacent to qtz. vein, highly sheared, gossanous silicified, 5% py along shears.	5	108
J.M. 85	July 23	Claim 784097	- mafic tuff/basalt?, sheared, gossanous, trace sulphides, qtz. veining up to 1" wide, chloritic, carbonate.	5	
J.M. 86	July 23	Claim 784097	- basalt, siliceous banding, iron stain, py cubes up to 1/2 cm., carbonate 2% py, moderate shearing.	14	
J.M. 87	July 23	Claim 784097	- basalt/mafic tuff?, sheared, gossanous, 1-2% py, siliceous banding, limonite along shear planes, carbonate.	8	
J.M. 88	July 23	Claim 784097	- same as J.M. 87, 1% py.	14	
J.M. 89	July 23	Claim 784097	- talus, qtz. vein near source, iron stain, minor gossan, sheared host, 1-2% py, carbonate.	6	
J.M. 90	July 23	Claim 784097	- magnetite bearing mafic tuff/basalt?, siliceous, sheared, iron stain.	34	

Sample No.	Date 1984	Location	Description	Assays Au ppb	Assays ZN ppm
J.M. 91	July 23	Claim 784097	- Mafic tuff/basalt?, siliceous bands, 1-2% py, sheared, minor gossan, limonite, iron stain, qtz. veining, carbonate.	4	
J.M. 92	July 23	Claim 784097	- felsic intrusive, iron stain, minor gossan, minor shearing, 5% py.	18	
J.M. 93	July 23	Claim 784097	- qtz. vein in fine grained gabbro, iron stain, 3-5% py in qtz. & wall rock, carbonate, up to 5' wide, over 30' long.	34	
J.M. 94	July 26	Claim 746574	- qtz-feld-biotite schist, py (3%) concentrated along band 1 cm. wide adjacent to pegmatite dikes.	2	
J.M. 97a	July 26	Claim 784051	- same qtz. vein as D.D. 42, red qtz, 10 cm. wide, > 20' long.	43	
J.M. 95	July 27	Claim 746577	- talus, qtz-feld-bio schist, sheared, oron stain, trace sulphides, qtz. veining.	5	
J.M. 96	July 27	Claim 746567	- qtz-feld-bio schist, 2-3% py in medium grained, petmatitic veins associated with py.	8	
J.M. 97b	July 30	Claim-Off prop.	- diabase/basalt, carbonate, 3% py along fractures, iron stain.	2	
J.M. 98	July 30	Claim 784099	- qtz-carbonate veinlets in basalt, 2-3% py, malachite, possible actinolite/tremolite, strike 036°, solution pits, chloritic.	4	

SAMPLE LIST - L. PAULSEN Project 6310

Sample No.	Date	Location	Description	Assays Au ppb	Assays ZN ppm
L.P. 1	May 26	Zone 7; Grid 3	qtz. VN. wall rock; sheared felsic tuff, gossanous fractures.	5	
L.P. 2	May 26	Zone 7; Grid 3	qtz. vein sample; shear filling; hem 2-5%, white qtz.	4	
L.P. 3	May 26	Zone 7; Grid 3	sheared And.; hem., str. Carb., gossanous fractures, minor qtz. veinlets	3	
L.P. 4	May 26	Zone 7; Grid 3	gossanous shear Sple.; Andesite, Cu stain, 3% py, conc. in streaks.	5	
L.P. 5	May 26	Zone 7; Grid 3	gossanous shear Sple., 5% py in fractures, Rhyolite	11	
L.P. 7	May 29	Zone 7; Grid 3 L0+00, 7+80 E.	gossan sple.; sheared Andesite.	7	
L.P. 8	June	Zone 2; 3+10W 5+10S	rusty qtz. vn. in minor cross shear, pit sample.	2	
L.P. 9	June	Zone 2; 3+09W 5+10S	gossanous laminated acid tuff, proximal to shearing, fissile on bedding. pit sample.	2	
L.P.10	June	Zone 2; 3+08W, 5+10S	gossanous laminated tuff ("I.F."?), purply weathering on surface. pit sample.	5	
L.P.11	June	Zone 2; 1+20S 2+40W	blue qtz. vein, in acid lapilli tuffs.	3	
L.P.12	June 3	Zone 2 4+77N, 0+03 E	bdr. sple. very str. gossan.	3	
L.P.13	June 9	CL #751156	gossan stained lapilli tuff, hem., some shearing.	5	
L.P.14	June 9	CL #751156	qtz. vein from shear zone assayed in L.P. 13.	3	
L.P.15	June 9	S.W. of 184159	Massive white qtz. vein.	3	
L.P.16	June 9	S.W. of 184159	Massive white qtz. vein, some gossan in qtz.	2	

Sample No.	Date	Location	Description	Assays Au ppb	Assays ZN ppm
L.P. 17	June 10	Agazzis Power Line	gossans in Volc., close to felsic beds (some interbedding).	823	
L.P. 18	June 10	Agazzis Power Line.	coarse gr. diabase. gossanous, pyrite and garnet.	7	
L.P. 19	June 10	Agazzis Power Line.	volc., brecciated, gossan stain, diss. py., basic volc.	10	
L.P. 20	June 12	Zone 4; Grid 1 16+50E, 2+50S	gossanous broken rock, greywacke.	14	
L.P. 21	June 12	Zone 4; Grid 1 16+48 2+50S	pyrite in nose of fold, gossanous greywacke.	11	
L.P. 22	June 12	Zone 4; Grid 1 L16+03E 2+00S	gossan sple. studded with pyrite.	4	
L.P. 23	June 13	Zone 4; Grid 1 20+50E; 1+20S	gossan sple., basic volc.; hand scale folding obs. taken @ base of Hydro Pole.	3	
L.P. 24	June 13	Zone 4; Grid 1 21+10E 1+85S	sheared Rhyodacite porphory, gossanous on fractures.	3	
L.P. 25	June 13	Zone 4; Grid 1 18+50E 0+80S	diabase dyke; 5% po in smears parallel to fol. extension of E.M. Conductor, folding obs.	4	
L.P. 26	June 15	Zone 4; Grid 2 14+08S; 6+04E	bdr. smple. goasanous siliceous, volc?	3	
L.P. 27	June 15	Zone 4; Grid 2 14+08S; 6+01E	o/c Sple., gossan, closest to conductor., volc. basic.	7	
L.P. 28	June 15	Zone 4; Grid 2 11+70S; 3+80E	old prospect pit, bdr. Smple., gossan sple., vfgr. rhy, gossancoat, py.	4	
L.P. 29	June 16	Zone 2; 0+03N 0+05W	adit; 10-20% py; sheared country rock, calcite veins.	4	

Sample No.	Date	Location	Description	Assays Au ppb	Assays ZN ppm
L.P. 30	June 16	Zone 2; 0+45N, 0+25W	shear sple., very soft rock with gar, bio., py. sheared intermediate metasediment. Taken from South wall of small pit (pit 2).	4	
L.P. 31	June 16	Zone 2; 3+35S, 1+65W	silicious tuff, gossanous, diss. (≤5%) py. minor qtz. veinlets; silicious? from North wall of shaft.	4	
L.P. 32	June 16	cl 784104	gossan in shear zone, with rusty quartz vein.	3	
L.P. 33	June 17	cl. 751119 hydro line	gossan sple. in shear.	181	
L.P. 34	June 17	cl. 751119	gossan sple in tuffs;	5	
L.P. 35	June 20	cl. 751116;	gossan sample, 2% py, strong gossans & jarosite, minor qtz. veinlets assoc. with gossan; ash tuff.	3	
L.P. 36	June 20	cl. 751111;	gossan str., qtz. veinlets assoc. with gossan & py. "blue qtz. eye" dacite.	4	
L.P. 37	June 20	cl. 751111;	gossan same as L.P. 35, ash tuff.	8	
L.P. 38	June 20	cl. 751111	str. gossan on fractures; volc. interflow sed. unit. (minor).	10	
L.P. 39	June 20	cl. 751117	gossan sple., basalt, diss. py. 1%, shear zone.	3	
L.P. 40	June 20	Same as L.P. 39	rusty qtz. vein assoc. with L.P. 39. country rock inclusive within vein.	44	
L.P. 41	June 21	cl. 751134;	rusty qtz. veinlets bearing hydrothermal pyrites. basalt.	8	
L.P. 42	June 21	cl. 751134;	breccia sple., silic. black qtz. veinlet stockwork, gossanous. "Cinola type Minerl." pyrites ≤ 5 mn in centre of veinlets	2	
L.P. 43	June 21	cl. 751132	gossan sple. ≤ 2% diss. py. med. gr. shearing minor, basalt.	10	
L.P. 44	June 26	cl. 751184;	wk. gossan, ~ 2% py., shaly clevage, interflow metased.	7	

Sample No.	Date	Location	Description	Assays Au ppb	Assays ZN ppm
L.P. 45	June 27	cl. 751133;	same as RB 24, Acid tuff; abundant hem., or gossan.	4	
L.P. 46	June 27	cl. 751133;	gossan, 1% py. & weathered py. (hem.) ≤ 5%, Ser./musc., slaty fracture from shearing, felsic lapilli tuff.	2	15
L.P. 47	June 27	cl. 751142;	gossan sple., hem., py-diss. med. gr. ≥ 5%, intermediate to basic volcaniclastic breccia.	10	117
L.P. 48 48b	June 27	cl. 751142;	qv. sample, grey glassy qtz. vein 1-2", 2% diss. f-med. gr. py., assoc. with L.P. 47	4 12	46 97
L.P. 49	June 27	cl. 751133;	oxidized py., hem. ≤ 20%, intermediate to basic lappilli tuff; lappilli to 120 mm.	3	111
L.P. 50	June 27	cl. 751133;	Same as L.P. 49.		115
L.P. 51	June 27	cl. 751142;	gossanous, hem. (weathered py.), intermediate volcaniclastic breccia		227
L.P. 52	June 29	cl. 751110;	2% diss. py. & poss. f. gr. gar.; black vfgr-fgr. tuff (mafic) with acid lapilli to 30 mm. (rare, contain py.) str. Carb.	3	
L.P. 53	June 29	cl. 751117;	same as above, spotty magnetic attraction obs., some cherty fracture.	3	
L.P. 54	June 29	cl. 751108;	gossanous shear zone, intermediate lapilli tuff, med. gr. diss. py. granitized?	8	
L.P. 55	July 1	cl. 751108;	black, massive, homogenous, equagranular, basalt. ≤ 5% Po conc. in patches, rock is strongly magnetic.	4	
L.P. 57	July 2	cl. 751150	bdr. sple., shows gossan & py. (5-8%) in volcaniclastic rocks; carb.; py. conc. in patches.	8	
L.P. 58	July 2	cl. 751150;	lappilli sized fragments (tuff sheared, fragments are fractured & these + matrix are hematitic.	2	

Sample	Date	Location	Description	Assays Au ppb	Assays ZN ppm
L.P. 59	July 2	cl., 751150;	Acid-intermed. tuff, lappillis streatched. gossan sample. No visible sulfides. shear zone area.	5	
L.P. 61	July 8	cl. 784145;	very strong Carb. veining, in porphory basalt. Py. ≤ 1%, gossan sple.	3	122
L.P. 62	July 8	cl. 784145;	gossan sple., sheared, diss. py. in volcanics.	5	127
L.P. 63	July 8	cl. 784151;	gossanous fractures, ≤ 5% diss. magnetite, ≤ 2% py., str. Carb. intermediate tuff.	2	116
L.P. 64	July 9	cl. 784149;	strong gossan, some pyrite, limonite.	3	45
L.P. 65	July 9	cl. 784149;	as above, shearing.	11	88
L.P. 66	July 9	cl. 784150;	as above, qtz. veins assoc.	4	87
L.P. 67	July 9	cl. 784150;	strong gossan in intermediate tuffs.	7	62
L.P. 68	July 9	cl. 784150;	same as L.P. 46.	4	34
L.P. 69	July 11	cl. 784151;	gossan sample, wk. py. & carb.	3	132
L.P. 70	July 13	cl. 751164;	gossan sample, oxidized sulfides, intermediate-basic tuff fragments to 3 mm. blue quartz eyes.	5	186
L.P. 71	July 16	Zone 4, Grid 1 63+45W, 7+00S	greywacke, gossanous fractures and ≤ 5% pyrite.	7	26
L.P. 72	July 16	Same as L.P.71	Same as Above.	10	29
L.P. 73	July 16	Same as L.P.71	bdr. sample, silicic greywacke, gossanous, ± 3% po.	3	29
L.P. 74	July 19	cl. 784077;	gossan sample; hem. + lim. + py.	7	18

Sample No.	Date	Location	Description	Assays Au ppb	Assays ZN ppm
L.P. 75	July 24	claim 751142;	pyritiferous gossan sample, with carbonate. intermediate tuff. ≤ 5% py.	2	
L.P. 76	July 24	cl. 751133;	pyritiferous sheared intermediate tuff. ≤ 10% coarse pyrite.	2	
L.P. 77	July 24	cl. 751142;	gossan sample; limonite abundant is strongly sheared felsic tuff.	3	
L.P. 78	July 26	cl. 746579;	gossan sample; hematite in metasediment.	3	
L.P. 79	July 27	cl. 784203;	boulder sample; quartz breccia; 2% pyrite & gossanous rhind.	7	
L.P. 80	July 28	From George, North of Project.	vuggy qtz. vein, black quartz in green acid rock.	12	
L.P. 81	July 29	Grid A; BL. 0+00	gossan sample; limonite in chloritic shear, some bright limy green chlorite; crosscutting qtz. vein (1/2") some carbonate.	2	
L.P. 82	July 29	Grid A; 3+00N, 0+55E	wkly, gossanous shear; limonite, irregular qtz. veins; some carbonate, ≤ 2% py.	96	
L.P. 83	July 29	cl. 784101; close to JM-90	gossan sample; ≤ 3% py.; limonite on fractures, carbonate on talus slope.	3	

SAMPLE LIST - DOUG DOWNEY Project 6310

Sample	Date	Location	Description	Assays Au ppb	Assays ZN ppm
D.D. 1	May 28	Zone 7; Grid 3	Gossan Sple., strong shearing, magnetic.	14	
D.D. 2	May 28	Zone 7; Grid 3	Qtz. vein in Intermed. tuff, near shear zone, 1% py.	2	
D.D. 3	May 28	Zone 7; Grid 3	Shear zone, felsic tuff, minor py. (1-2%).	7	
D.D. 4	May 30	Zone 2 784076	Shear zone, gossanous fractures in felsic tuff. Kink folding silicious, 2-3% carb., sheared py.	7	
D.D. 5	May 30	Zone 2; Adit. 784081	Qtz. vein, carbonate veining, 5% py. Sheared & chloritized tuff.	4	
D.D. 6	June 3	Zone 2; Shaft. 784081.	Qtz. vein, str. pyrite, in acid tuff host.	2	
D.D. 7	June 3	Zone 2; 1+00S, 3+00W	gossanous felsic tuff, str. shearing, aspy. ≤ 1%.	3	
D.D. 8	June 4	Off Lake, 751088.	iron stain, pyrr (2-3%) in basalt, minor qtz., not in place.	6	
D.D. 9	June 6	Zone 4; Shear 784041	shear zone, minor gossan, black metased. 1-2% py.	12	
D.D. 10	June 6	Zone 4; Shear 784041.	shear zone, minor gossan, black metased. 1-2% py. folding.	12	
D.D. 11	June 9	Cl. #751156	Qtz. vein, slight shearing, iron staining, Felsic tuff host rock.	4	
D.D. 12	June 9	SW of 184159	Qtz. vein, iron staining	4	
D.D. 13	June 11	Zone 4; Claim 784046 31+25E, 1+00S	Gossan, sheared, minor pyrite (1-2%), banded inter. to mafic metasediment	5	

SAMPLE LIST - DOUG DOWNEY - 2 - Project 6310

Sample No.	Date	Location	Description	Assays Au ppb	Assays ZN ppm
D.D. 14	June 11	Zone 4; Claim 784046 24E, 6+30S	Shear zone, gossan along fractures, stringer pyrite (1%), mafic metasediment host rock.	3	
D.D. 15	June 12	Zone 4; Claim 784036	Sheared and gossanous basalt, 1% pyrite.	5	
D.D. 16a	June 12	Zone 4; Claim 784036	Qtz. vein, highly fractured, citrine and rusty colour, minor pyrite (< 1%).	4	
D-1-15-6	June 15	Zone 3; Claim 751100 23+40S, 6E	Garnetiferous amphibolite (basalt), up to 5% calcite present in veins, minor pyrite (1%).	4	
D-4-15-6	June 15	Zone 3; Claim 751100 24+60S, 7+75E	Basalt, minor gossan, py and po (1-2% combined), possible cp.	4	
D-5-15-6	June 15	Zone 3; Claim 751100 24S, 11+60E	Basalt, minor gossan and slight shearing, py and po (1-2% comb.)	3	
D-11a-15-6	June 15	Zone 3; Claim 751100 28S, 11+50E	Talus sample, gossanous and sheared basalt, minor py and po (1% comb.).	3	
D-11b-15-6	June 15	Zone 3; Claim 751100, 28S 9+70E	Basalt, minor gossan along fractures, 4-5% disseminated po.	5	
D-1a-19-6	June 19	Claim 751156	Sheared felsic lapilli tuff, 1-2% pyrite.	3	
D-1b-19-6	June 19	Claim 751156	Sheared felsic lapilli tuff, 1-2% pyrite concentrated in bands parallel to the foliation.	4	
D-2-19-6	June 19	Claim 751156	Sheared felsic lapilli tuff, 1-2% pyrite locally.	2	
D-6-19-6	June 19	Claim 751157	Sheared felsic tuff, highly weathered, trace sulfides.	2	

Sample	Date	Location	Description	Assays Au ppb.	Assays ZN ppm
D-8-19-6	June 19	Claim 751157	Felsic tuff, < 1% pyrite	7	
D-9-19-6	June 19	Claim 751156	Sheared felsic tuff, abundant chlorite, 1% pyrite	4	
D-10-19 -6	June 19	Claim 751156	Felsic lithic tuff, rust stains, trace pyrite	7	
D.D. 16b	June 21	Claim 784096	Sheared mafic volcanic, abundant chlorite, carbonate (5%), pyrite (1%).	5	
D.D. 17	June 21	Claim 784096	Gabbro with feldspar phenocrysts, minor pyrite (< 1%).	8	
D.D. 18	June 21	Claim 784096	Sheared inter. to mafic tuff, finely laminated, qtz. veining parallel to shearing, iron staining, pyrite (1-2%).	5	
D.D. 19	June 21	Claim 784096	Sheared rhyolite, highly gossanous, pyrite (25-30%).	321	
D.D. 20	June 21	Claim 784096	Basalt, 5-6% arsenopyrite	11	
D.D. 21	June 25	Claim 784102	Mafic, tuff, calcite veinlets parallel to foliation, pyrite (3-5%)	18	107
D.D. 22	June 25	Claim 784102	Mafic tuff, chloritized, calcite veinlets, pyrite (2-3%).	48	147
D.D. 23	June 25	Claim 784102	Silica and calcite enriched mafic tuff, gossanous, pyrite (5-10%)	0.046 oz/ton	56
D.D. 24	June 25	Claim 784102	Mafic tuff with fine cystals of magnetite, trace pyrite.	14	101
D.D. 25	June 25	Claim 784097	Magnetite bearing mafic tuff, pyrrhotite (1%)	4	28
D.D. 26	June 25	Claim 784097	Silicified and carbonatized mafic tuff, 1% pyrite.	10	36
D.D. 27	June 25	Claim 784097	Qtz. vein from boulder, pyrite (< 1%), malachite and tr. chalco	44	31
D.D. 28	June 25	Claim 784097	Diabase, 8-10% pyrite.	8	46
D.D. 29	June 27	Claim 784101	Qtz. vein within host mafic tuff, calcite, malachite, pyrite (1-2%)	51	675
D.D. 30	June 27	Claim 784101	Sheared mafic tuff, highly gossanous, calcite, 3-4% pyrite	16	125

Sample No.	Date	Location	Description	Assays Au ppb	Assays ZN ppm
D.D. 31	June 27	Claim 784105	Mafic Tuff, minor calcite, pyrite (1-2%)	14	107
D.D. 32	June 29	Claim 784100	Mafic tuff, gossanous, highly sheared qtz. and calcite veining, up to 20% pyrite, non-magnetic	184	244
D.D. 33	July 4	Claim 784087	Felsic lithic tuff, minor shearing, 1-2% pyrite in fine stringers.	18	
D.D. 34	July 4	Claim 784087	Inter tuff, highly sheared, gossanous, qtz. veinlets, pyrite (< 1%).	7	
D.D. 35	July 4	Claim 784141	Granitic intrusive, rusty in places, 3-4% pyrite.	10	
D.D. 36	July 6	Claim 784061	Amphibolite, fissile, iron stained, 1-2% pyrite.	15	
D.D. 37	July 6	Claim 784061	Amphibolite, iron stained, 2-3% stringer pyrite.	12	
D.D. 38	July 6	Claim 784059	Amphibolite boulder off o/c, iron stained along fractures, minor pyrite (< 1%).	8	
D.D. 39	July 6	Claim 784060	Silicified amphibolite, iron stained, 2-3% pyrite.	5	
D.D. 40	July 7	Unknown	Rusty, smoky qtz. vein with 5-7% pyrite (Louis Cousineau).	10	11
D.D. 41	July 9	Claim 784051	Gossanous amphibolite (basalt), tr. py.	2	65
D.D. 42	July 9	Claim 784051	Iron stained qtz. vein, no sulfides	802	5
D.D. 43	July 9	Claim 784051	Rusty felsic boulder (not in place) 1-2% py.	20	22
D.D. 44	July 11	Claim 784038	Slightly sheared porphyritic felsic intrusive, minor py (< 1%), epidote?	4	47
D.D. 45	July 11	Claim 784038	Porphyritic felsic intrusive minor py (1%), epidote? chlorite?	4	37
D.D. 46	July 17	Claim 784102 0+3 N Grid 'A'	Mafic tuff, silicified and carbonatized (calcite), gossanous, 3-5% py, shear zone.	44	160

Sample	Date	Location	Description	Assays Au ppb	Assays ZN ppm
D.D. 47	July 17	Claim 784102 0+10S, 0+20W Grid 'A'	Mafic, tuff, silicified and carbonated, shear zone.	5	129
D.D. 48	July 17	Claim 784102 0+10S, 0+30W Grid 'A'	Mafic tuff, shear zone, silicified and carbonatized (veins), iron stained, pyrite (1%).	4	156
D.D. 49	July 17	Claim 784102 0+25S, 0+30W Grid 'A'	Mafic tuff, shear zone, silicified and carbonatized (calcite), 1% pyrite.	4	119
D.D. 50	July 17	Claim 784102 0+8 N Grid 'A'	Duplicate D.D. 23 (0.046 oz/ton), intensely silicified and carbonatized matic tuff, shear zone, 5-8% pyrite.	680	82
D.D. 51	July 17	Claim 784102 0+50S, 0+5W Grid 'A'	Mafic tuff, silicified and carbonatized, shear zone, 2-3% pyrite, iron stained.	12	123
D.D. 52	July 17	Claim 784102 0+50S, 0+45W Grid 'A'	Mafic tuff, silicified and carbonatized minor shearing, 3-4% magnetite octahedrons, minor iron staining.	5	124
D.D. 53	July 17	Claim 784102 0+45S, 0+60W Grid 'A'	Mafic tuff, silicified and carbonatized, minor shearing, 3-5% magnetite octahedrons, minor iron staining.	7	138
D.D. 54	July 17	Claim 784102 0+50S, 0+35E Grid 'A'	Mafic tuff, silicified and carbonatized, minor shearing and iron staining, 1% pyrite.	8	111
D.D. 55	July 17	Claim 784102 0+85S, 0+30W Grid 'A'	Several qtz. boulders (close to source) iron staining.	5	13
D.D. 56	July 17	Claim 784102 0+85S, 0+12W Grid 'A'	Highly weathered talus very close to source, silicified and carbonatized mafic tuff, gossanous, friable.	11	100

Sample No.	Date	Location	Description	Assays Au ppb	Assays ZN ppm
D.D. 57	July 19	Claim 784111	Leucocratic gabbro, chloritic, 1-2% py.	5	38
D.D. 58	July 19	Claim 784110	Felsic to inter. volcanic, carbonatization, chloritic, possible silicification, minor py (< 1%).	8	59
D.D. 59	July 22	Claim 784097	Felsic lapilli tuff, sheared, iron stained, adjacent to qtz. vein, 3-5% py.	7	
D.D. 60	July 22	Claim 784097	Qtz. vein, rusty, 2-3% py.	7	
D.D. 61	July 22	Claim 784097	Qtz. vein and chloritic mafic country rock, iron staining, trace py.	10	
D.D. 62	July 22	Claim 784097	Qtz. vein with patches of chloritic mafic country rock, 10% limonite, trace py.	7	
D.D. 63	July 22	Claim 784097	Mafic wallrock on west side of qtz. vein, abundant qtz. veinlets (15-30%), 5% limonite, 2-3% py.	8	
D.D. 64	July 24	Claim 784097	Moderately foliated magnetite bearing mafic tuff, 1-2% po.	10	
D.D. 65	July 24	Claim 784097	Qtz. vein, smokey, 3' wide, 5-10% py.	725	
D.D. 66	July 24	Claim 784097	Contact between qtz. and wallrock (mafic tuff?), interfingering qtz. 8-12% py.	247	
D.D. 67	July 24	Claim 784097	Sheared mafic tuff? qtz. veinlets parallel to shearing, gossanous, minor calcite, 2-3% py.	11	
D.D. 68	July 24	Claim 784097	Grey cherty band (6" wide) within a sheared chloritic mafic unit (mafic tuff/basalt?), disseminated py (1%).	8	
D.D. 69	July 24	Claim 784097	Mafic tuff, sheared, qtz. and calcite veinlets parallel to shearing, iron stained, minor py. (1%).	5	
D.D. 70	July 29	Claim 784105	Sheared mafic tuff, calcite (15%) veinlets parallel to shearing, iron staining, minor py. (< 1%).	4	

Sample	Date	Location	Description	Assays Au ppb	Assays ZN ppm
D.D. 71	July 29	Along portage (~ 700') between Slender Lake & Little Kishkutena Lake (Shown by G. Rogus-Clearwater Lodge).	Qtz. vein and felsic to inter. volcanic rock, 2% po, minor py (< 1%), iron staining, minor calcite.	2	
D.D. 72	July 29	Same as Above	Felsic volcanic (host rock), 1% finely disseminated po., minor calcite.	3	
D.D. 73	Aug. 1	Claim 784141	Sheared basalt (mafic tuff?), calcite veinlets and patches, 2-3% py.	7	
D.D. 74	Aug. 1	Claim 784141	Sheared basalt (mafic tuff?), 10-15% calcite, 3-5% py.	7	
D.D. 75	Aug. 3	Claim 784174	Felsic lapilli tuff, minor shearing, iron stained, 1% py.	11	
D.D. 76	Aug. 3	Claim 784160	Felsic ash tuff, sheared, chloritic, iron stained, 1% py.	10	

SAMPLE LIST - RON Project 6310

Sample No.	Date	Location	Description	Assays Au ppb	Assays ZN ppm
R.B 1	June 1	Zone 2; Shaft 3+40S, 1+65W cl. 784081	2% Py. & assoc. qtz. veins (1/2") in sheared acidic tuff. Some gossan on fractures.	3	
R.B. 2	June 1	Zone 2: cl.784081 1+10S, 3+00W	Qtz. VN. sple.; gossanous host rock; some massive Py.	4	
R.B. 3	June 3	Zone 2; cl.784081 7+55S, 2+85W	gossanous felsic tuff; sheared, minor Py.	4	
R.B. 4	June 3	Zone 2;cl.784081 7+70S, 3+50W	Qtz. VN.; iron stained, hem. vuggy bdr.	4	
R.B. 5	June 3	Zone 2;cl.784081 5+50W, 8+00S	3% Py in tuff, Py in streaks parallel to foliation sheared and gossanous; abundant chlorite.	7	
R.B. 6	June 9	South West of Claim 784159	qtz. VN. in acid lapilli tuff, gossan in host rock near vein borders.	2	
R.B. 7	June 11	Zone 4; L64E, 8+00S	Gossan sample, greywacke.	2	
R.B. 8	June 11	Zone 4; L54+50E, 7+50S	gossan sample, metasediment	5	
R.B. 9	June 11	Zone 4; L59+50E, 0+00	gossan sample, volcanic	2	
R.B. 10	June 12	Zone 4; L11+50E, 1+50S	gossan sample; volc. near contact with basic dyke	7	
R.B. 11	June 12	Zone 4; L16+00E, 2+50S	gossanous amphibolite	4	
R.B. 12	June 13	Zone 4; L22+50E, 9+40S	Qtz. VN. sple.; quartz feldspar porph. host rock, shearing	3	

Sample	Date	Location	Description	Assays Au ppb	Assays ZN ppm
R.B. 13	June 13	Zone 4; L18+50E, 1+20S	very gossanous volcanic	4	
R.B. 14	June 15	Zone 3; L13+30S, 5+75E	bdr. sple., gossanous volcanic	14	
R.B. 15	June 15	Zone 3; L13+90S, 5+75E	bdr. sple., gossanous chert.	3	
R.B. 19	June 17	cl: 751109; hydro line	Rusty Quartz Vein; Py.	322	
R.B. 20	June 17	cl: 751108 hydro line	Sheared felsic lapilli tuff, possible fushite mica.	4	
R.B. 21	June 21	Cl. 751141	Gossanous tuff; ≤ 1% Py.; small qtz. veins	5	
R.B. 22	June 21	Same as L.P.42	Gossanous pillow basalts, ≤ 2% Py.	4	
R.B. 23	June 21	Cl. 751119	Gossan sple., ≤ 1% Py., chert.	128	
R.B. 24	June 22	Cl. 751141	Gossan sple., intermediate tuff, ≤ 3% Py. up to 3 mm.	4	
R.B. 25	June 26	cl. 751116	Gossanous in patches; mafic metasediment, minor calcite veining, fragments obs. in host rock.	3	105
R.B. 26	June 26	Cl. 751134	mafic metasediment (magnetic)	4	129
R.B. 27	June 26	Cl. 751133	Mafic tuffs, ≤ 5% Py.	7	144

Sample No.	Date	Location	Description	Assays Au ppb	Assays ZN ppm
R.B. 28	June 27	cl. 751142	Intermediate tuff, ≤ 3% Py.	5	116
R.B. 29	June 27	As Above	As Above	3	119
R.B. 30	June 28	cl. 751117	carbonated tuff; ≤ 1% Py.	3	113
R.B. 31	June 29	cl. 751111	gossanous black volcanic, very str. gossan in breccia. ≤ 3% Py., str. Carb.	27	
R.B. 32	June 29	cl. 751111	magnetic, qtz. eyes, trenolite - actinolite obs.	5	
R.B. 33	June 29	cl. 751110	bdr. sple., fragmental, mafic, gossan, magnetic, same as RB-32	5	
R.B. 34	July 2	Cl. 751145	sheared flesic, gossanous	2	
R.B. 35	July 6	cl. 784140	fine grained gabbro, ≤ 1% Py.	25	
R.B. 36	July 6	cl. 784144	sheared gossanous gabbro, ≤ 5% Py.	12	
R.B. 37	July 8	cl. 784144	basic - intermediate med. gr. tuff, ≤ 4% magnetite.	8	
R.B. 38	July 9	cl. 784155	gossan with minor qtz. vein.	8	
R.B. 39	July 9	cl. 784149	sheared felsic gossan, ≤ 3% Py.	4	55
R.B. 40	July 9	cl. 784149	med. gr. felsic tuff, spotty gossan staining, ≤ 2% Py.	16	59
R.B. 41	July 9	cl. 754155	str. gossan sple., small qtz VN., ≤ 1% Py.	12	45
R.B. 42	July 11	cl. 784167	Basalt, small qtz. VN.; ≤ 1% Py.	7	64
R.B. 43	July 11	cl. 784167	gossan sple.	11	19
R.B. 44	July 11	cl. 784175	gossan sple.; basalt, ≤ 1% Py.	8	138
R.B. 45	July 11	cl. 784175	Same as R.B. 44.	8	110
R.B. 46	July 12	cl. 784171	gossan sple., felsic tuff	4	35

Sample	Date	Location	Description	Assays Au ppb	Assays ZN ppm
R.B. 47	July 12	Cl. 784171	Same as R.B. 46.	5	41
R.B. 48	July 13	Cl. 751164	gossan sample; of intermediate tuff.	10	150
R.B. 49	July 18	Grid A; 1+00N, 0+55E	weakly gossanous intermediate tuff, ≤ 1% Py.	45	163
R.B. 50	July 18	Grid A; 0+85N, 0+15W	gossanous sheared inter. tuff; ≤ 1% Py.; carb.	4,8	169
R.B. 51	July 18	Grid A; 3+00N, 0+90E	gossan sample; inter. tuffs.	4,33	166
R.B. 52	July 18	Grid A; 3+00N, 0+55W	gossan, shearing, hematite, ≤ 5% Py, inter. tuff.	119	154
R.B. 53	July 18	Grid A; 2+00N, 0+94E	str. shearing, strong silicification, wk. gossan, inter. tuff.	3	31
R.B. 54	July 18	Grid A; 2+00N, 0+96E	gossan sple.; shearing, intermediate tuff.	10	42
R.B. 55	July 18	Grid A; 2+00N, 0+65E	wk. gossan, shearing, intermed. tuff.	4	186
R.B. 56	July 18	Grid A; 1+00N, 0+30E	wk. gossan, shearing, intermediate tuff.	8	112
R.B. 57	July 18	Grid A; 0+00, 0+50E	gossan, shearing, ≤ 2% Py. (XL's ≤ 5 mm.); inter. tuff.	5	88
R.B. 58	July 19	cl. 784077	gossan sple., intermed. tuff; wk. gossan.	12	25
R.B. 59	July 19	cl. 784076	str. gossan sple., ≤ 8% Py., gabbro.	2	19
R.B. 60	July 24	cl. 751145	wk. gossan, shearing; felsic tuff.	7	32
R.B. 61	July 24	As Above	Same as R.B. #60	11	110

Sample No.	Date	Location	Description	Assays Au ppb	Assays ZN ppm
R.B. 62	July 24	As Above	Same as R.B. #60	2	
R.B. 62	July 25	cl. 751142	wk. gossan, ≤ 3% Py. intermediate tuff.	8	
R.B. 63	July 26	cl. 751142	gossanous, ≤ 3% Py, intermediate tuff.	8	
R.B. 64	July 27	cl. 784097	gossanous qtz. Vn.;	14	
R.B. 65	July 27	As Above	gossanous wall rock.	5	
R.B. 66	July 28	cl. 784198	gossan sample, acidic metasediment	7	
R.B. 67	July 28	cl. 784199	str. gossan sample, acidic metasediment	2	
R.B. 68	Aug. 1	cl. 751159	weak gossan, shearing, inter. tuff.	8	
R.B. 69	Aug. 2	Grid C; 0+80W	wk. gossan, felsic tuff.	10	
R.B. 70	Aug. 3	cl. 751119 Same as LP 33	Boulder sple.; gossan, ≤ 10% Py, vuggy, acidic host rock.	23	
R.B. 71	Aug. 3	As Above	Soil sample	4	
R.B. 72	Aug. 3	As Above	bdr. sple.; siliceous gossan, ≤ 10% Py, qtz. VN.	106	
R.B. 73	Aug. 3	As Above	Same as R.B. 72.		
R.B. 74	Aug. 3	As Above	wkly. gossanous, sheared, Basic tuff.	10	
R.B. 75	Aug. 3	As Above	Same as R.B. 70	155	
R.B. 76	Aug. 3	As Above	Same as R.B. 72.	29	

Appendix II

ASSAY SHEETS
(Bell White)

BELL-WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. B467-84 DATE: June 14, 1984

SAMPLE(S) OF: Rock (35)
Soil (3) RECEIVED: June, 1984

SAMPLE(S) FROM: Mr. Lorenz Paulsen
Lacana Mining Corporation Project #6310

Sample No.	Gold/ppb	Sample No.	Gold/ppb
DD-1	14	EB-1	3
-2	2	-2	4
-3	7	-3	5
-4	7	-4	4
-5	4	-5	7
-6	2		
-7	3	LP-1	5
-8	6	-2	4
-9	12	-3	3
-10	12	-4	5
		-5	11
JH-1	3	-7	7
-2	5	-8	2
-3	4	-9	2
-4	5	-10	5
-5	4	-11	3
-6	3	-12	3
-7	4		
-8	15	JJ-1	2
-9	8	-2	4
		-3	2

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

BELL-WHITE ANALYTICAL LABORATORIES LTD.

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BELL - WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY. ONTARIO TEL: 672-3107

Certificate of Analysis

NO. B529-84 DATE: June 22, 1984

SAMPLE(S) OF: Rock (60) RECEIVED: June, 1984

SAMPLE(S) FROM: Mr. L. Paulsen
Lacana Mining Corp. Project #6310

	Au/ppb	Au/oz.
	7	
LP-13	5	
-14	3	
-15	3	
-16	2	
-17	823**	
-18	7	
-19	10	
LP-20	14	
-21	11	
-22	4	
-23	3	
-24	3	
-25	4	
-26	3	
-27	7	
-28	4	
-29	4	
LP-30	4	
-31	4	
-32	3	
-33	181	
JM-10	5	
-11	10	
-12	3	
-13	4	

Sample No.	Au/ppb
JM-15	4
-16	5
-17	8
-18	7
-19	8
JM-20	4
-21	10
-22	5
-23	12
RB-6	2
-7	2
-8	5
-9	2
RB-10	7
-11	4
-12	3
-13	4
-14	14
-15	3
DD-11	4
-12	4
-13	5
-14	3
-15	5
-16	4
D-1-15-6	4
D-4-15-6	4
D-5-15-6	3
D-11A-15-6	3
D-11B-15-6	5

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

BELL-WHITE ANALYTICAL LABORATORIES LTD.

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P.O. BOX 187. HAILEYBURY. ONTARIO TEL: 672-3107

Certificate of Analysis

NO. B566-84 DATE: June 29, 1984

SAMPLE(S) OF: Rock (37) RECEIVED: June, 1984

SAMPLE(S) FROM: Mr. L. Paulsen
Lacana Mining Corporation Project #6310

Sample No.	Gold/ppb	Gold/oz.
BB-1	101	
-2	27	
-3	23	
-4	16	
-5		0.140**
-6	112	
-7	94	
-8	408	
-9	180	
-10		0.463**
-11		0.224**
-12	643	
-13		1.15 **
-14	289	
-15	25	
-16	116	
-17	8	
-18	23	
-19	419	

Sample No.	Gold/ppb
BB-20	19
-21	34
-22	31
JM-24	20
-25	93
-26	8
-27	62
-28	2
-29	7
-30	2
-31	11
D-1a-19-6	3
D-1b-19-6	4
D-2-19-6	2
D-6-19-6	2
D-8-19-6	7
D-9-19-6	4
D-10-19-6	7

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

BELL-WHITE ANALYTICAL LABORATORIES LTD.

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P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. B592-84 **DATE:** July 5, 1984

SAMPLE(S) OF: Rock (33) **RECEIVED:** June, 1984

SAMPLE(S) FROM: Lorenz Paulsen
Lacana Mining Corp. Project #6310

Sample No.	Au/ppb	Sample No.	Au/ppb
JM-32	2	LP-39	3
-33	4	-40	44
-34	4	-41	8
-35	11	-42	2
-36	4	-43	10
-37	14	H-1	8
DD-16	5	-2	15
-17	8	-3	5
-18	5	RB-16	29
-19	321	-17	14
-20	11	-18	92
		-19	322
LP-34	5	-20	4
-35	3	-21	5
-36	4	-22	4
-37	8	-23	3
-38	10	-24	4

BELL-WHITE ANALYTICAL LABORATORIES LTD.

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BELL-WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. B608-84 **DATE:** July 9, 1984

SAMPLE(S) OF: Rock (33) **RECEIVED:** June, 1984

SAMPLE(S) FROM: Lorenz Paulsen
Lacana Mining Corp. Project #6310

Sample No.	Au/ppb	Au/oz.	Sample No.	Au/ppb
JM-38	8		DD-29	51
9	3		-30	16
JM-40	3		1	14
1	19		2	184
2	14		RB-25	3
3	343		6	4
4	5		7	7
5	4		8	5
DD-21	18		9	3
2	48		RB-30	3
3		0.046	LP-46	2
4	14		7	10
5	4		8	4
6	10		8B	12
7	44		9	3
8			RB-50	4
			1	4

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

BELL-WHITE ANALYTICAL LABORATORIES LTD.

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BELL-WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. B682-84 **DATE:** July 17, 1984

SAMPLE(S) OF: Rock (35) **RECEIVED:** July, 1984

SAMPLE(S) FROM: Lorenz Paulsen
Lacana Mining Corp. Project #6310

Sample No.	Gold/ppb	Sample No.	Gold/ppb
JM-46	18	RB-31	27
-47	12	-32	5
-48	14	-33	5
-49	44	-34	2
-50	45	-35	25
-51	15	-36	12
-52	23		
-53	8	LP-44	7
-54	11	-45	4
-55	15		
-56	5	LP-52	3
		-53	3
DD-33	18	-54	8
-34	7	-55	4
-35	10	-56	70
-36	15	-57	8
-37	12	-58	2
-38	6	-59	5
-39	5	-60	32

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P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. B702-84 **DATE:** July 19, 1984

SAMPLE(S) OF: Rock (42) **RECEIVED:** July, 1984

SAMPLE(S) FROM: Mr. Lorenz Paulsen
Lacana Mining Corp. Project #6310

Sample No.	Gold/ppb	Sample No.	Gold/ppb
DD-40	10	RB-39	4
1	2	RB-40	16
2	802**	1	12
3	20	2	7
4	4	3	11
5	4	4	8
		5	8
JM-57	7	6	4
8	7	7	5
9	10	8	10
JM-60	34		
1	11	LP-61	3
2	4	2	5
3	7	3	2
4	12	4	3
5	7	5	11
6	4	6	4
7	2	7	7
8	5	8	4
9	5	9	3
		LP-70	5
RB-37	8		
8	8	S-6	2

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

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Certificate of Analysis

NO. B711-84 **DATE:** July 19, 1984

SAMPLE(S) OF: Rock (42) . **RECEIVED:** July, 1984

SAMPLE(S) FROM: Mr. Lorenz Paulsen
Lacana Mining Corp. Project #6310

Sample No.	Zinc/ppm	Sample No.	Zinc/ppm
DD-40	11	RB-39	55
1	65	RB-40	59
2	5	1	45
3	22	2	64
4	47	3	19
5	37	4	138
		5	110
JM-57	19	6	35
8	37	7	41
9	31	8	150
JM-60	70	LP-61	122
1	103	2	127
2	31	3	116
3	21	4	45
4	47	5	88
5	57	6	87
6	81	7	62
7	90	8	34
8	16	9	132
9	67	LP-70	186
RB-37	176		
8	99	S-6	57

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BELL-WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. B764-84 **DATE:** July 27, 1984

SAMPLE(S) OF: Rock (43) **RECEIVED:** July, 1984

SAMPLE(S) FROM: Mr. Lorenz Paulsen
Lacana Mining Corp. Project #6310

Sample No.	Gold/ppb	Zinc/ppm	Sample No.	Gold/ppb	Zinc/ppm
DD-46	44	160	JM-79	10	133
7	5	129	JM-80	3	43
8	4	156	1	5	24
9	4	119	2	4	63
DD-50	680**	82	3	12	53
1	12	123	4	5	108
2	5	124			
3	7	138	LP-71	7	26
4	8	111	2	10	29
5	5	13	3	3	29
6	11	100	4	7	18
7	5	38			
8	8	59	RB-49	45	163
			RB-50	8	169
JM-70	8	47	1	33	166
1	18	28	2	119**	154
2	2	72	3	3	31
3	4	56	4	10	42
4	8	97	5	4	186
5	4	62	6	8	112
6	8	59	7	5	88
7	8	91	8	12	25
8	5	28	9	2	19

** Checked

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

BELL-WHITE ANALYTICAL LABORATORIES LTD.

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BELL - WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. B812-84 **DATE:** August 3, 1984

SAMPLE(S) OF: Rock (37) **RECEIVED:** July, 1984

SAMPLE(S) FROM: Mr. Lorenz Paulsen
Lacana Mining Corp. Project #6310

Sample No.	Gold/ppb	Sample No.	Gold/ppb
DD-59	7	JM-93	34
DD-60	7	4	2
1	10	5	5
2	7	6	8
3	8	7	43
4	10		
5	725**	RB-60	7
6	247**	1	11
7	11	2	2
8	8	3	8
9	5	4	14
		5	5
JM-85	5	6	7
6	14	7	2
7	8		
8	14	LP-75	2
9	6	6	2
JM-90	34	7	3
1	4	8	3
2	18	9	7

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

BELL-WHITE ANALYTICAL LABORATORIES LTD.

BELL - WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. B833-84 **DATE:** August 7, 1984

SAMPLE(S) OF: Rock (2) **RECEIVED:** July, 1984

SAMPLE(S) FROM: Mr. Lorenz Paulsen
Lacana Mining Corp. Project #6310

Sample No.	Zinc/ppm
RB60	32
RB61	110

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

BELL-WHITE ANALYTICAL LABORATORIES LTD.

BELL-WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. B826-84 **DATE:** August 7, 1984

SAMPLE(S) OF: Rock (33) . **RECEIVED:** July, 1984

SAMPLE(S) FROM: Mr. Lorenz Paulsen
Lacana Mining Corp. Project #6310

Sample No.	Zinc/ppm	Sample No.	Zinc/ppm
JM38	27	DD30	125
9	46	1	107
JM40	106	2	244
1	48		
2	93	RB25	105
3	163	6	129
4	51	7	144
5	59	8	116
		9	119
DD21	107	RB30	113
2	147		
3	56	LP46	15
4	101	7	117
5	28	8	46
6	36	8B	97
7	31	9	111
8	46	LP50	115
9	675	1	227

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER

BELL-WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. B839-84 **DATE:** August 8, 1984

SAMPLE(S) OF: Rock (16) **RECEIVED:** August, 1984

SAMPLE(S) FROM: Mr. Lorenz Paulsen
Lacana Mining Corp. Project #6310

Sample No.	Gold/ppb
AL-1	2
2	3
3	67**
4	7
5	5
6	80**
7	15
8	15
JM-97	2
8	4
DD-70	4
1	2
2	3
LP-81	2
2	96**
3	3

** Checked

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

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER

BELL - WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. B879-84 **DATE:** August 14, 1984

SAMPLE(S) OF: Rock(2) **RECEIVED:** June/July 1984

SAMPLE(S) FROM: Mr. L. Paulsen, Lacana Mining Corp.

PROJECT NO. 6310

Sample No.	Gold ppb
JM-14	7
DD-28	8

BELL-WHITE ANALYTICAL LABORATORIES LTD.

Per

BELL - WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. B883-84 **DATE:** August 16, 1984

SAMPLE(S) OF: Rock (13) **RECEIVED:** August, 1984

SAMPLE(S) FROM: Mr. L. Paulsen
Lacana Mining Corp. Project #6310

Sample No.	Gold/ppb
DD-73	7
4	7
5	11
6	10
LP-80	12
RB-23	128
RB-68	8
9	10
RB-70	23
RB-72	106
RB-74	10
5	155
6	29

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

BELL-WHITE ANALYTICAL LABORATORIES LTD.

Per

BELL - WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. B923-84 DATE: August 23, 1984

SAMPLE(S) OF: Soil(1) RECEIVED: August, 1984

SAMPLE(S) FROM: Mr. Lorenz Paulsen, Lacana Mining Corp. (Saskatoon)

PROJECT # 6310

Sample No.	Gold ppb
RB 71	4

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER.

BELL - WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

AUG 9 1984

Certificate of Analysis

P.C.

NO. B833-84 DATE: August 7, 1984

SAMPLE(S) OF: Rock (2) RECEIVED: July, 1984

SAMPLE(S) FROM: Mr. Lorenz Paulsen
Lacana Mining Corp.

SUPERIOR SYNDICATE
Project #6310

Sample No.	Zinc/ppm
RB60	32
RB61	110

Certificate

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

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER.

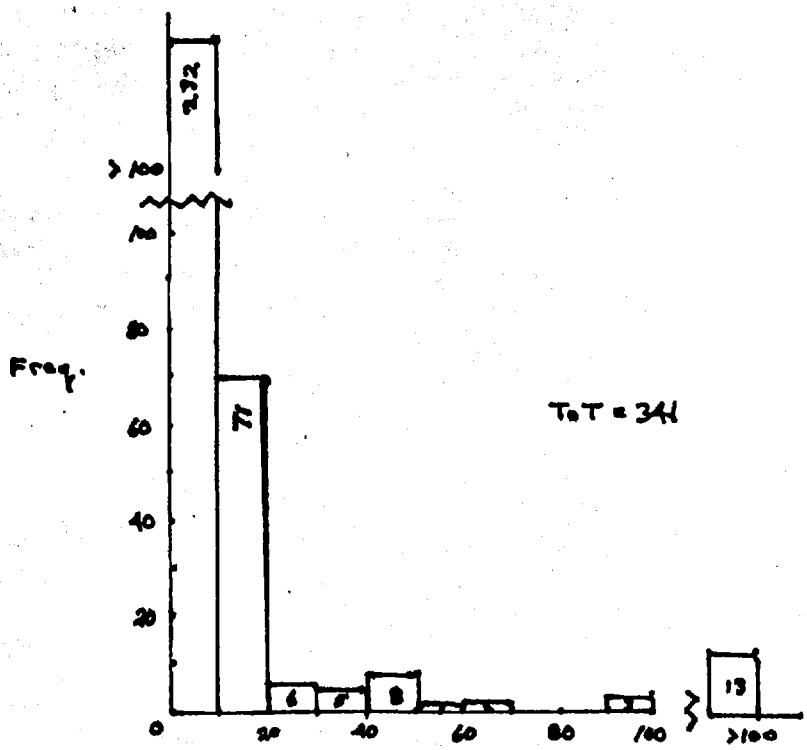
Appendix III

FREQUENCY CURVES; GOLD & ZINC

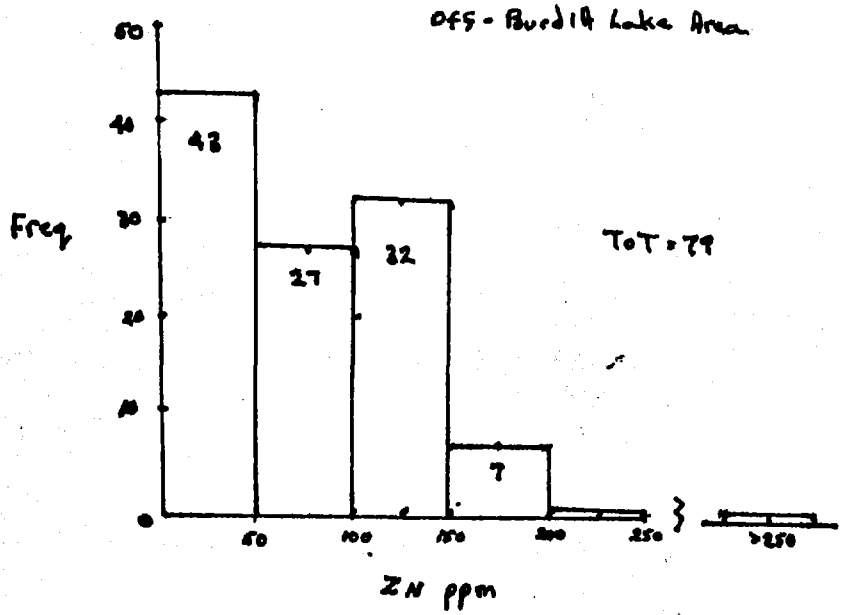
ROCK SAMPLES

BURDITT-OFF LAKE AREA

Frequency Curve for Gold ppb.
Rock Samples
Off-Burditt Lake.



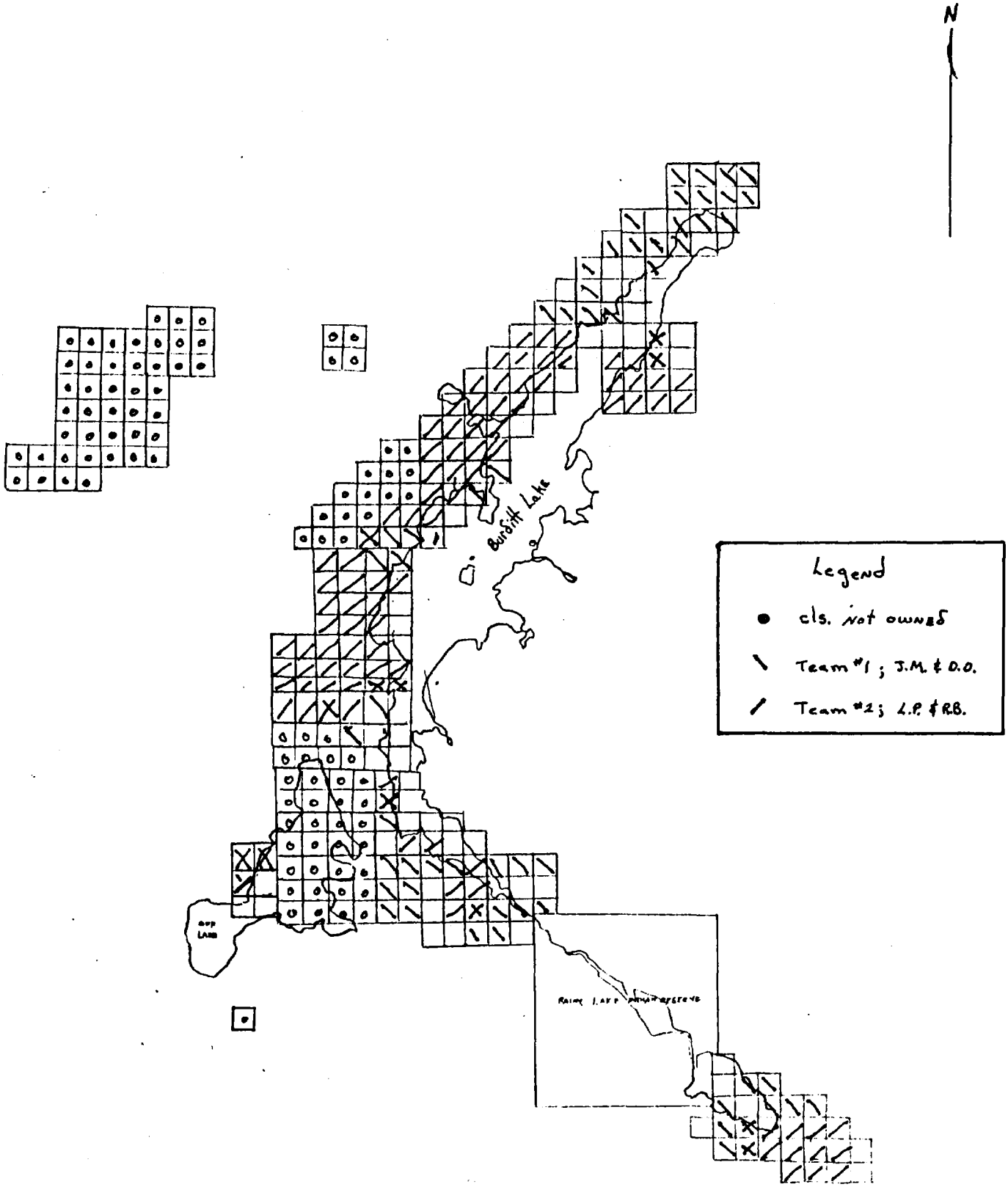
Frequency Curve for ZN ppm
Rock Samples
Off-Burditt Lake Area



Appendix IV

PROSPECTING COVERAGE MAP

Prospecting Coverage & Progress Map



Appendix V

LEGEND & SYMBOLS

REGIONAL PROSPECTING MAPS

METAVOLCANICS

FELSIC TO INTERMEDIATE

- 2 - unsubdivided
- 2a - rhyolitic & dacitic lavas
- 2b - prophyritic rhyolitic & dacitic (feld-qtz porp)
- $2b_1$ - "blue qtz eye" dacite (possible metased)
- $2e_1$ - tuff (<2 mm, ash)
- $2e_2$ - lapilli tuff, (2-64 mm, lapilli)
- $2e_3$ - coarse pyroclastics/ agglomerate, (<64 mm, blocks & bombs)
- 2g - qtz-feld-bio schist

MAFIC

- 1 - unsubdivided
- 1a - basalts & andesites
- 1b - gabbro
- $1b_1$ - gabbro dike
- 1c - porphyritic mafic lavas
- 1d - pillowed mafic lavas
- 1e - pillowed porphyritic mafic lavas
- $1f_1$ - tuff (<2 mm, ash)
- $1f_2$ - lapilli tuff (2-64 mm, lapilli)
- $1f_3$ - coarse pyroclastics/ agglomerate, (<64 mm, blocks & bombs)
- 1g - amphibolite, ±garnet (basaltic origin)
- 1h - chlorite schist
- 1i - greywackes & metaseds

ULTRAMAFICS

- 3a - serpentinite
- 3b - talc schist

MAFIC INTRUSIVES

- 7 - mafic dikes
- 8 - diabase dikes
- 9 - pegmatite

SYNTECTONIC INTRUSIVES

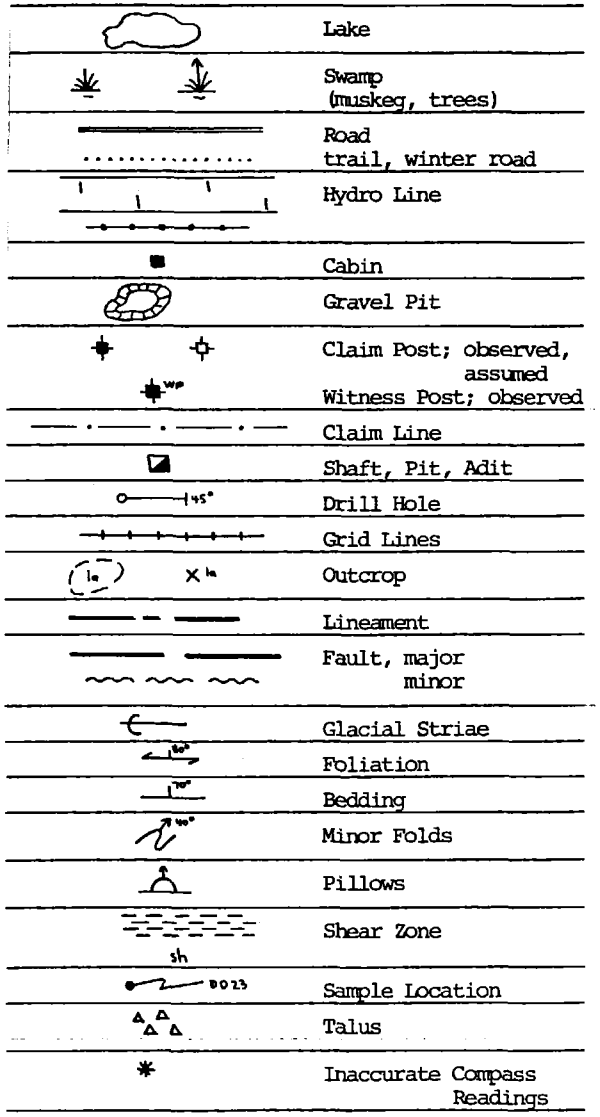
GRANITIC

- $5a_1$ - granodiorite
- $5a_2$ - qtz monzonite
- $5a_3$ - trenchjemite
- 5b - granitic gneiss & migmatite
- 5c - porphyritic qtz monzonite
- 5d - monzonite
- 5f - diorite
- 5 - unsubdivided

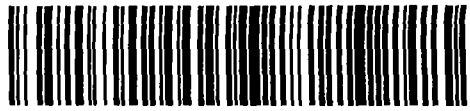
INTERMEDIATE

- 4a - syenodiorite
- 4b - diorite
- 4c - porphyritic syenodiorite & diorite

LEGEND AND SYMBOLS



- py - 7@ pyrite
- po - pyrrhotite
- cp - chalcopyrite
- mag - magnetite
- aspy - arsenopyrite
- gar - garnet
- br - breccia
- sh - shearing
- asb - asbestos
- serp - serpentine
- qv - quartz veining
- carb - carbonate
- cal - calcite
- sil - silicification
- mal - malachite
- fus - fuschite



900

Mining Lands Section

File No 2.7512

Control Sheet

TYPE OF SURVEY

____ GEOPHYSICAL

__W__ GEOLOGICAL

____ GEOCHEMICAL

__V__ EXPENDITURE

MINING LANDS COMMENTS:

~~- no qualifications~~

- statement of expenses is $400.00 short of total indicated
- statement omits cert. B566-84 which is stamped with the correct internal accounting code. amt = $370.00
- statement lists cert 6608-84 as $300.00 → should be $330.00
- the two errors add up to the missing $400.00.

lgl

Signature of Assessor

1/4/85

Date

LP

W8401.3c29 # 309-84

Ministry of Natural Resources — Ontario

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

Amended 2.7512

The 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): EXPENDITURES (ASSAYS)

Township or Area: BRADDA L (M2068) FLORA (M2068)

Claim Holder(s): LACANA EX (1981) INC

Prospector's Licence No.: T1231

Address: Suite 1702, Box 19, Sunlife Centre, 150 KING ST WEST, TORONTO M5H 1J9

Survey Company: LACANA MINING CORP.

Date of Survey (from & to): Day 24 Mo. 05 Yr. 84 — Day 07 Mo. 08 Yr. 85

Total Miles of line Cut: N/A

Name and Address of Author (of Geo-Technical report): LORENZ PAULSEN, 3657B JA MAC DONALD RD, SASKATOON, SASKATCHEWAN S7H 5W2

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	
	- Other	
	Geological	
	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	Mining Claim Number	Expend. Days Cr.
K	751100	20
K	751102	20
K	751103	20
K	751106	20
K	751107	20
K	751109	20
K	751110	20
K	751111	20
K	784034	20
K	784035	20
K	784036	20
K	784037	20
K	784041	20
K	784042	-

RECEIVED
MAR - 4 1985
MINING LANDS SECTION

KENORA MINING DIV. RECEIVED FEB 5 1985 Rec'd 12 1 2 3 4 5 6 PM

Expenditures (excludes power stripping)

Type of Work Performed: ASSAYS

Performed on Claim(s): LIST ATTACHED

Calculation of Expenditure Days Credits

Total Expenditures: $ 4244.75 ÷ 15 = Total Days Credits: 283

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.

Number of mining claims covered by this report of work: 14

For Office Use Only

Total Days Cr. Recorded: 280

Date Recorded: Feb 5/85

Mining Recorder: M E Lemay/acting

Date Approved as Recorded: 85.4.3

Branch Director:

Date: 30 January 1985

Recorded Holder or Agent (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: PATRICK CHANCE, 332 FAIRVIEW DRIVE, WHITBY, ONTARIO L1N 8A6

Date Certified: 30 January 1985

Certified by (Signature):

LACANA EX (1981) INC.
P.O. Box 19, Suite 1702, 150 King Street West
Sun Life Centre, Toronto, Canada M5H 1J9
Telephone (416) 591-6640
Telex 06-218157

March 1, 1985

Mr. Douglas Isherwood
Land Management Branch
Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

Dear Mr. Isherwood:

RE: YOUR FILE 2.7512

REPORT OF EXPENDITURES (ASSAYS),
MINING CLAIMS K 751100 et al.,
BEADLE LAKE AREA, FLEMING TOWNSHIP,
KENORA MINING DIVISION, ONTARIO

Please find attached a certificate substantiating payment of $4,174.75 to Bell White Laboratories and $95.25 to X-Ray Assay Labs. Certificates for the latter (3 whole rock analyses) are submitted in duplicate.

We trust this is satisfactory and thank you for your attention to this matter.

Yours very truly,

LACANA EX (1981) INC.

Patrick Chance
Geologist

PC:aj

Encls:

SUPERIOR SYNDICATE PROJECT

BEADLE LAKE AND FLEMING AREAS

CERTIFICATE #	AMOUNT
B 467-84	$ 377.00
B 529-84	$ 560.00
B 5711-84	$ 546.00
B 702-84	
B 682-84	$ 385.00
B 608-84	$ 300.00
B 592-84	$ 330.00
B 923-84	$ 9.75
B 839-84	$ 88.00
B 883-84	$ 143.00
B 826-84	$ 70.00
B 833-84	
B 812-84	$ 407.00
B 764-84	$ 559.00
17197	$ 95.25
	$ 4,270.00

The above invoices for assays on samples submitted from the Superiorr Syndicate Project (Burditt Lake area), Kenora Mining Division, during 1984 have been paid.

C. N. Letros
Treasurer

X-RAY ASSAY LABORATORIES
LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

INVOICE TO:
LACANA MINING CORP
ATTN: L. PAULSEN
P. O. BOX 354, TORONTO-DOMINION CENTRE
ROYAL TRUST TOWER, SUITE 3701
TORONTO, ONTARIO M5K 1K7

COPY TO:

JMB

SUBMITTED TO:
LACANA MINING CORP
ATTN: L. PAULSEN
P. O. BOX 354, TORONTO-DOMINION CENTRE
ROYAL TRUST TOWER, SUITE 3701
TORONTO, ONTARIO M5K 1K7

CUSTOMER NO. 368

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITT
21477	05-JUL-84	17197	26-JUN-84

TERMS
TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

CLIENTS P.O NO.	CLIENT PROJECT NO.		TYPE OF SAMPLES SUBMITTED
			ROCK

NO. OF PKGS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
1 BOX	COURIER		

QUANTITY		DESCRIPTION METHOD	XRAL CODE	UNIT COST	AMOUNT
1.	3	NA20, MGO, AL203, SI02, P205, K20, CAO, TI02, CR203, MNO , FE203, RB, SR, Y, ZR, NB, WHOLE ROCK ANALYSIS , LESS THAN 21	100, 6, 0, 0, 0, 0	29.00	87.00
2.	3	ROCK, CRUSHING & MILLING (CHROME STEEL MILL)	99, 1, 0, 0, 0, 0	2.75	8.25

CHK'D	MB	APPRV'D FOR PAYMENT	
DATE PAID		CHEQUE No.	
6/04/84		0144	
DISTRIBUTION:		AMOUNT	
6310-15		95.25	

Dr. 2021 95,25
7101-15 95,25.

Cr. 1001 95,25.
7201 95.25.

OK A/B
Superior Syndicate
6310-15

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MAR - 1 1985
MINING LANDS SECTION

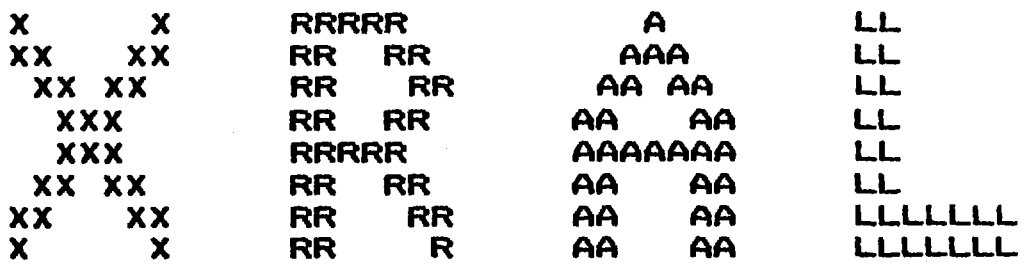
SUB-TOTAL $ 95.25

MISC. CHARGES	SHIPPING CHARGES	CUSTOM BROKERAGE	TELEX	MINIMUM CHARGES
	OTHER			SURCHARGE, RUSH SERVICE

ORIGINAL INVOICE

TOTAL IN CANADIAN FUNDS $ 95.25

CORRECTED REPORT



XRF - WHOLE ROCK ANALYSIS

LACANA MINING CORP
Attn: L. PAULSEN
P.O. BOX 354, TORONTO-DOMINION CENTRE
ROYAL TRUST TOWER, SUITE 3701
TORONTO, ONTARIO M5K 1K7

CUSTOMER No. 368

DATE SUBMITTED
26-JUN-84

REPORT 21477 REF. FILE 17197 DATE REPORTED 23-JUL-84

XRF W.R.A. SUMS INCLUDE ALL ELEMENTS DETERMINED.
FOR SUMMATION ELEMENTS ARE CALCULATED AS OXIDES.

X-RAY ASSAY LABORATORIES 23-JUL-84 REPORT 21477 REFERENCE FILE 17197 PAGE 1

SAMPLE	SIO2	AL203	CAO	MGO	NA20	K20	FE203	MNO	TIO2	P205	CR203	LOI	SUM
SS#1	54.0	14.1	7.40	2.16	2.48	0.96	13.9	0.21	1.76	0.17	0.01	1.47	98.7
SS#2	68.7	15.6	1.62	0.80	4.78	3.63	2.09	0.03	0.34	0.14	0.01	1.08	99.0
SS#3	64.3	15.5	2.30	1.71	6.58	1.12	3.40	0.06	0.35	0.13	0.01	2.85	98.4

X-RAY ASSAY LABORATORIES 23-JUL-84 REPORT 21477 REFERENCE FILE 17197 PAGE 2

SAMPLE	RB	SR	Y	ZR	NB
SS#1	50	120	40	80	60
SS#2	120	890	20	150	20
SS#3	50	750	<10	100	10

Ministry of Natural Resources
Ontario

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

ORIGINAL

The 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.

309-84

Type of Survey: EXPENDITURES (ASSAYS)

Township or Area: BEADLE L (M2068), FLEMING (M2083)

Claim Holder(s): LACANA EX (1981) LIMITED

Prospector's Licence No.: T1231

Address: Suite 1702, Box 19, Sunlife Centre, 150 King St West, Toronto

Survey Company: Lacana Mining Corp.

Date of Survey (from & to): Day 24 Mo. 05 Yr. 84 | Day 07 Mo. 08 Yr. 84

Total Miles of line Cut:

Name and Address of Author (of Geo-Technical report): LORNE PAULSEN 3657B J.A. MACDONALD RD, SASKATOON, SASKATCHEWAN S7H 5K2

Credits Requested per Each Claim in Columns at right

Special Provisions
For first survey: Enter 40 days. (This includes line cutting)
For each additional survey: using the same grid: Enter 20 days (for each)

	Days per Claim
Geophysical	
- Electromagnetic	
- Magnetometer	
- Radiometric	
- Other	
Geological	
Geochemical	

Man Days
Complete reverse side and enter total(s) here

	Days per Claim
Geophysical	
- Electromagnetic	
- Magnetometer	
- Radiometric	
- Other	
Geological	
Geochemical	

Airborne Credits
Note: Special provisions credits do not apply to Airborne Surveys.

	Days per Claim
Electromagnetic	
Magnetometer	
Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
K	751100	20
K	751102	20
K	751103	20
K	751106	20
K	751107	20
K	751108	20
K	751109	20
K	751110	20
K	751111	20
K	784034	20
K	784035	20
K	784036	20
K	784037	20
K	784041	20
K	784042	20

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

RECEIVED
FEB 08 1985
MINING LANDS SECTION

See amended report attached

KENORA MINING DIV. RECEIVED DEC 7 1984 AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

751100

Total number of mining claims covered by this report of work: +514

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s): LIST ATTACHED.

Calculation of Expenditure Days Credits

Total Expenditures			Total Days Credits
$ 4680.63	÷ 15	=	312

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.

Date: 4 December 1984

Recorded Holder or Agent (Signature)

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
300	Dec. 7/84	M E Lemay/acting
	Date Approved as Recorded	Branch Director

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: PATRICK CHANCE, 332 Fairview Drive, Whitby, Ontario L1N 3A6

Date Certified: 4 December 1984

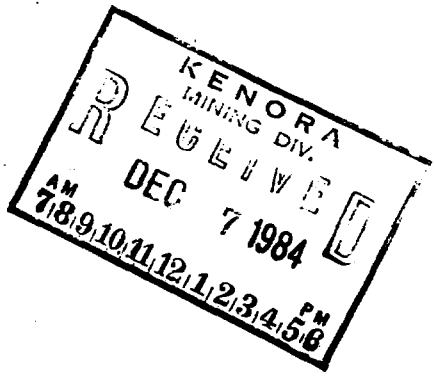
Certified by (Signature)

62 (81/9)

CLAIMS BELONGING TO THE
SUPERIOR PROSPECTING SYNDICATE (1983)
BURDITT-OFF LAKES

Tag Number(s)	Staking Date	Recording Date
751087 to 751089	?	Dec. 7/83
751092	?	Dec. 7/83
751100 to 751119	?	Dec. 7/83
751132 to 751151	?	Dec. 7/83
751152 to 751164	?	Dec. 13/83
784034 to 784039	Dec. 1/83	Dec. 16/83
784040 to 784045	Dec. 2/83	Dec. 16/83
784046 to 784052	Dec. 3/83	Dec. 16/83
784053 to 784059	Dec. 4/83	Dec. 16/83
784060 to 784066	Dec. 5/83	Dec. 16/83
784067 to 784070	Dec. 6/83	Dec. 16/83
784071 to 784076	Dec. 8/83	Dec. 16/83
784077 to 784083	Dec. 9/83	Dec. 16/83
784084 to 784088	Dec. 10/83	Dec. 16/83
784089 to 784097	Dec. 11/83	Dec. 16/83
784098 to 784104	Dec. 12/83	Dec. 16/83
784105 to 784111	Dec. 13/83	Dec. 16/83
784134 to 784141	Dec. 8/83	Dec. 16/83
784142 to 784148	Dec. 9/83	Dec. 16/83
784149 to 784153	Dec. 10/83	Dec. 16/83
784154 to 784160	Dec. 11/83	Dec. 16/83
784161 to 784166	Dec. 12/83	Dec. 16/83
784167 to 784173	Dec. 13/83	Dec. 16/83
784174 to 784176	Dec. 14/83	Dec. 16/83

#309-84



4 December, 1984

Ministry of Natural Resources
Ontario

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

Amended

The 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.

309/84

Type of Survey(s): EXPENDITURES (ASSAYS)

Township or Area: BRADLEY L (M 2068) FRANKLIN (M2083)

Claim Holder(s): LACANA EX (1981) INC

Prospector's Licence No.: T 1231

Address: Suite 1702, Box 19, Sunlife Centre, 150 King St West, Toronto, M5H 1J9

Survey Company: LACANA MINING CORP.

Date of Survey (from & to): 24 05 84 – 07 08 85 (Day Mo. Yr.)

Total Miles of line Cut: N/A

Name and Address of Author (of Geo-Technical report): LORENZ PAULSON, 3157B JA MAC DONALD RD, SASKATOON, SASKATCHEWAN S7H 5W2

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	
	- Other	
	Geological	
	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	

Expenditures (excludes power stripping)

Type of Work Performed: ASSAYS

Performed on Claim(s): LIST ATTACHED

Calculation of Expenditure Days Credits

Total Expenditures				Total Days Credits
$ 4244.75	÷	15	=	283

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.

Date: 30 January 1985

Recorded Holder or Agent (Signature): [signature]

Mining Claims Traversed (List in numerical sequence)

Prefix	Number	Expend. Days Cr.
K	751100	20
K	751102	20
K	751103	20
K	751106	20
K	751107	20
K	751109	20
K	751110	20
K	751111	20
K	784034	20
K	784035	20
K	784036	20
K	784037	20
K	784041	20
K	784042	20

RECEIVED
FEB 08 1985
MINING LANDS SECTION

KENORA MINING DIV.
RECEIVED
FEB 5 1985
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

Total number of mining claims covered by this report of work: 14

For Office Use Only		
Total Days Cr. Recorded	Date Recorded	Mining Recorder
	Date Approved as Recorded	Branch Director

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: PATRICK CHANCE, 332 FAIRVIEW DRIVE, WHITBY, ONTARIO L1N 3A6

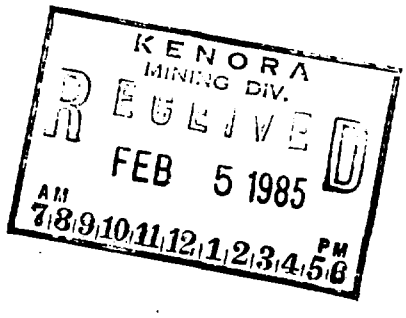
Date Certified: 30 January 1985

Certified by (Signature): [signature]

1362 (81/9)

BURDITT-OTT LAKES

Tag Number(s)	Staking Date	Recording Date
751007 to 751089	?	Dec. 7/83
751092	?	Dec. 7/83
751100 to 751119	?	Dec. 7/83
751132 to 751151	?	Dec. 7/83
751152 to 751164	?	Dec. 13/83
784034 to 784039	Dec. 1/83	Dec. 16/83
784040 to 784045	Dec. 2/83	Dec. 16/83
784046 to 784052	Dec. 3/83	Dec. 16/83
784053 to 784059	Dec. 4/83	Dec. 16/83
784060 to 784066	Dec. 5/83	Dec. 16/83
784067 to 784070	Dec. 6/83	Dec. 16/83
784071 to 784076	Dec. 8/83	Dec. 16/83
784077 to 784083	Dec. 9/83	Dec. 16/83
784084 to 784088	Dec. 10/83	Dec. 16/83
784089 to 784097	Dec. 11/83	Dec. 16/83
784098 to 784104	Dec. 12/83	Dec. 16/83
784105 to 784111	Dec. 13/83	Dec. 16/83
784134 to 784141	Dec. 8/83	Dec. 16/83
784142 to 784140	Dec. 9/83	Dec. 16/83
784149 to 784153	Dec. 10/83	Dec. 16/83
784154 to 784160	Dec. 11/83	Dec. 16/83
784161 to 784166	Dec. 12/83	Dec. 16/83
784167 to 784173	Dec. 13/83	Dec. 16/83
784174 to 784176	Dec. 14/83	Dec. 16/83



Name & Postal Address of Person Certifying

TRICIA CHANCE, 332 FAIRVIEW DRIVE, WHITBY, ONTARIO L1N 8A6

Date Certified: 30 January 1985

Certified by (Signature): Tricia Chance

(81/9)

Suite 1702, 150 King Street West
P.O. Box 19, Sun Life Centre
Toronto, Canada M5H 1J9
416-591-6640 Telex: 06-218157

February 1, 1985

Mining Recorder
Kenora Mining Division
808 Robertson Street
Post Office Box 5080
Kenora, Ontario
P9N 3X9

Dear Sir:

RE: AMENDED REPORT OF WORK CLAIMS K751100 et al
BEAUDLE LAKE AND FLEMING TOWNSHIP,
KENORA MINING DIVISION, ONTARIO

Please find an amended report of work for 14 mining claims. No work is being applied to K751108 due to lack of direct expenditures on chemical analyses.

We trust this is in order and thank you for your attention to this matter.

Yours very truly,

LACANA MINING CORPORATION

P.C. Ch.

PC:aj

Encls:

Patrick Chance
Geologist

For Mexico and Latin America mail to Varsovia No. 44, 7° Piso, Mexico 06600, D.F. Tel: 533-6343(44)(45)

Name and Postal Address of Person Certifying
PATRICK CHANCE, 332 FAIRVIEW DRIVE, WHITBY, ONTARIO L1N 8J6

Date Certified: 30 January 1985

Certified by (Signature): P.C. Ch.

1362 (81/9)

Jul-5th #309-84

Ministry of Natural Resources
Ontario

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

FWM
2.7512

The 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): EXPENDITURES (ASSAYS)

Township or Area: BEADLE L (M2088) & FLEMING (M2083)

Claim Holder(s): LACANA EX (1981) LIMITED

Prospector's Licence No.: T1231

Address: Suite 1702, Box 19, Sunlife Centre, 150 King St West, Toronto

Survey Company: Lacana Mining Corp.

Date of Survey (from & to): Day 24 Mo. 05 Yr. 84 / Day 07 Mo. 08 Yr. 84

Total Miles of line Cut:

Name and Address of Author (of Geo-Technical report): Loreng Paulsen, 3657B J.A. MacDonald Rd, Saskatoon, Saskatchewan S7H 5K2

Credits Requested per Each Claim in Columns at right

		Days per Claim
Special Provisions For first survey: Enter 40 days. (This includes line cutting) For each additional survey: using the same grid: Enter 20 days (for each)	Geophysical	
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Man Days Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.		Days per Claim
	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
K	751100	20
K	751102	20
K	751103	20
K	751106	20
K	751107	20
K	751108	20
K	751109	20
K	751110	20
K	751111	20
K	784034	20
K	784035	20
K	784036	20
K	784037	20
K	784041	20
K	784042	20

RECEIVED
DEC 7 1984
MINING LANDS SECTION

KENORA MINING DIV. RECEIVED DEC 7 1984 AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

751100

Total number of mining claims covered by this report of work: 15

Expenditures (excludes power stripping)

Type of Work Performed:

Performed on Claim(s): List Attached.

Calculation of Expenditure Days Credits

Total Expenditures: $ 4680.63 ÷ 15 = Total Days Credits: 312

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.

Date: 4 December 1984

Recorded Holder or Agent (Signature): [signature]

For Office Use Only

Total Days Cr. Recorded: 300

Date Recorded: Dec. 7/84

Mining Recorder: M E Lemay/acting

Date Approved as Recorded:

Branch Director:

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: Patrick Chance, 332 Fairview Drive, Whitby, Ontario L1N 3A6

Date Certified: 4 December 1984

Certified by (Signature): [signature]

1362 (81/9)

CERTIFICATE NUMBER	AMOUNT
B467-84	$377.00
B529-84	560.00
B5711-84	546.00
B702-84	
B682-84	385.00
B608-84	330.00
T6856	35.00
B592-84	330.00
B923-84	9.75
B839-84	88.00
B883-84	143.00
B826-84	70.00
B833-84	
B812-84	407.00
B764-84	559.00
T7268	35.00
	$4,244,75

JUN 27 1984

BELL-WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187 HAILEYBURY, ONTARIO TEL: (705) 672-3107
P0J 1K0

Lacana Mining Corp.
Box 354, Suite 3701
Royal Trust Tower
Toronto-Dominion Centre
TORONTO, Ontario
M5K 1K7

INVOICE № 16417

ORDER NO.

DATE June 22, 1984

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
		Project #6310	
B529-84	June 22/84	60 Au, 60 sample preparations	$ 600.00

on a/c
charges 40$ to 6914.15
LACANA

560$ to 6310.15
SUPERIOR SYNDICATE
is this No. OK??

CHK'D	APPR'V'D FOR PAYMENT
DATE PAID	CHEQUE No.
28/06/84	

DISTRIBUTION:	AMOUNT
1061-06	102.00
1061-10	563.00
	665.00

JUN 1[illegible]

BELL-WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187 HAILEYBURY, ONTARIO TEL: (705) 672-3107
P0J 1K0

Lacana Mining Corporation
Box 354, Suite 3701
Royal Trust Tower
T. D. Centre
TORONTO, Ontario
M5K 1K7

INVOICE № 16352

ORDER NO.

DATE June 14, 1984

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
		Project #6310:	
B467-84	June 15/84	38 Au, 38 sample preparations	$ 377.00

a/c
6310
.15
Superior
Syndicate

CHK'D	APPR'V'D FOR PAYMENT
DATE PAID	CHEQUE No.
21/06/84	0119

DISTRIBUTION:	AMOUNT
~~6310-15~~	~~377.00~~

Dr. 2021 - 377.00
7201-15 377.00

Cr 1001 377.00
7201 377.00

LACANA

LACANA MINING CORPORATION
Box 354, Suite 3701, Royal Trust Tower
TD Centre, Toronto, Canada M5K 1K7
416-387-0840 Telex: 06-218157

INVOICE

Sold to: Lacana Ex (1981) Inc.

Date: June 1984

Invoice No.: 228

To the attached invoices from Bell-White Analytical Laboratories to be charged to:

6101-15	$ 3.00	
6310-15	560.00	$563.00

JUL 23 1984

BELL-WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187 HAILEYBURY, ONTARIO TEL: (705) 672-3107
P0J 1K0

Lacana Mining Corp.
Box 354, Suite 3701
Royal Trust Tower
Toronto-Dominion Centre
TORONTO, Ontario
M5K 1K7

INVOICE № 16698

ORDER NO.

DATE July 19, 1984

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
		RE: Project #6310	
B711-84	July 19/84	42 Zn	$ 84.00
B702-84	"	42 Au, 42 sample preparations	$ 462.00
			$ 546.00

BELL-WHITE ANALYTICAL LABORATORIES LTD.

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

Lacana Mining Corporation
Box 354, Suite 3701
Royal Trust Tower
Toronto-Dominion Centre
TORONTO, Ontario
M5K 1K7

A. Y. Baker
6310-15

INVOICE № 16576

ORDER NO.

DATE July 9, 1984

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
		RE: Project #6310	
B608-84	July 9/84	33 Au, 33 sample preparations	$ 330.00

MB APPRV'D FOR PAYMENT

DATE PAID	CHEQUE No.
17/07/84	0157

DISTRIBUTION:	AMOUNT
7101-15 ✓	695.00
6306-15	531.00
6313-15	932.00
1001	(2158.00)
Dr. 2021	695.00
Cr. 7201	(695.00)

JUL 19

BELL-WHITE ANALYTICAL LABORATORIES LTD.

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

Lacana Mining Corporation
Box 354, Suite 3701
Royal Trust Tower
T. D. Centre
TORONTO, Ontario
M5K 1K7

INVOICE № 16671

ORDER NO.

DATE July 17, 1984

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
		RE: Project #6310	
B682-84	July 17/84	35 Au, 35 sample preparations	$ 385.00

BELL - WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187 HAILEYBURY, ONTARIO TEL: (705) 672-3107
P0J 1K0

Sup Synd

Lacana Mining Corporation
Box 354, Suite 3701
Royal Trust Tower
T. D. Centre
TORONTO, Ontario
M5K 1K7

INVOICE № 16627

ORDER NO.

DATE July 12, 1984

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
T-6856	July 6/84	1 Spectrographic Analysis	$ 35.00

OK
a/Bah
6310 · 15

$

BELL - WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187 HAILEYBURY, ONTARIO TEL: (705) 672-3107
P0J 1K0

Lacana Mining Corp.
Box 354, Suite 3701
Royal Trust Tower
Toronto-Dominion Centre
TORONTO, Ontario
M5K 1K7

INVOICE № 16560

ORDER NO.

DATE July 5, 1984

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
		RE: Project #6310	
B592-84	July 5/84	33 Au, 33 sample preparations	$ 330.00

OK. a/B
Superior
Syndicate
6310 · 15

$

AUG 28 1984

BELL-WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187 HAILEYBURY, ONTARIO TEL: (705) 672-3107
P0J 1K0

Lacana Mining Corporation,
P. O. Box 354, Suite 3701,
Royal Trust Tower,
Toronto-Dominion Centre,
Toronto, Ontario.
M5K 1K7

INVOICE № 17069

ORDER NO.

DATE August 23, 1984

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
		Project # 6310	
B923-84	Aug.23/84	1 Au, 1 sample preparation	$ 9.75

AUG 13 1984

BELL-WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187 HAILEYBURY, ONTARIO TEL: (705) 672-3107
P0J 1K0

Lacana Mining Corp.
Box 354, Suite 3701
Royal Trust Tower
Toronto-Dominion Centre
TORONTO, Ontario
M5K 1K7

INVOICE № 16923

ORDER NO.

DATE August 8, 1984

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
		RE: Project #6310 (SUPERIOR SYNDICATE)	
B839-84	Aug. 8/84	16 Au, 16 sample preparations	$ 176.00

AUG 9 1984

BELL-WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187 HAILEYBURY, ONTARIO TEL: (705) 672-3107
P0J 1K0

Lacana Mining Corp.
Box 354, Suite 3701
Royal Trust Tower
Toront-Dominion Centre
Toronto, Ontario
M5K 1K7

INVOICE № 16907

ORDER NO.

DATE August 7, 1984

OK a/f Barb

RE: Project #6310 - 15

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
B826-84	Aug. 7/84	33 Zn	$ 66.00
B833-84	"	2 Zn	4.00
			$ 70.00

CHK'D	MB	APPRV'D FOR PAYMENT	
DATE PAID		CHEQUE No.	
13/08/84		0193	
DISTRIBUTION:		AMOUNT	
2021		477.00	
7101-15		477.00	← Bell White
7201		(477.00)	
6313-15		935.00	
1001		(1,412.00)	

BELL-WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187 HAILEYBURY, ONTARIO TEL: (705) 672-3107
P0J 1K0

Lacana Mining Corp.
Box 354, Suite 3701
Royal Trust Tower
Toronto-Dominion Centre
TORONTO, Ontario
M5K 1K7

INVOICE № 16992

ORDER NO.

DATE August 16, 1984

OKAY
2 0 6

RE: Project #6310 = Superior Syndicate

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
B883-84	Aug. 16/84	13 Au @ $8.50	$ 110.5
		13 sample preparations @ $2.50	32.5
			$ 143.0

CHK'D	MB	APPRV'D FOR PAYMENT	
DATE PAID		CHEQUE No.	
20/08/84		0207	
DISTRIBUTION:		AMOUNT	
2021		143.00	
7101-15		143.00	
6313-15		869.00	
1001		(1,012.00)	
7201		(143.00)	

JUL 31 1984

BELL-WHITE ANALYTICAL LABORATORIES LTD.

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

16804

Lacana Mining Corp.
Box 354, Suite 3701
Royal Trust Tower
T. D. Centre
TORONTO, Ontario
M5K 1K7

INVOICE

ORDER NO.

DATE July 27, 1984

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
		RE: Project #6310 – 15	
B764-84	July 27/84	43 Au, 43 Zn, 43 sample preparations	$ 559.00

CHK'D MB APPROVED FOR PAYMENT

DATE PAID	CHEQUE No.
31/07/84	0187

DISTRIBUTION:	AMOUNT
8021	559.00
7101-15	559.00
7201	559.00

Dr. 6101-15 130.00
Cr. 1001 (689.00)

$

AUG 9 1984

BELL-WHITE ANALYTICAL LABORATORIES LTD.

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

Lacana Mining Corp.
Box 354, Suite 3701
Royal Trust Tower
T. D. Centre
TORONTO, Ontario
M5K 1K7

INVOICE № 16890

ORDER NO.

DATE August 3, 1984

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
		RE: Project #6310 -15	
B812-84	Aug. 3/84	37 Au, 37 sample preparations	$ 407.00

on AJB

$

BELL - WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187 HAILEYBURY. ONTARIO TEL: (705) 672-3107
POJ 1KO

Lacana Mining Corporation
Sun Life Centre
150 King Street West
P. O. Box 19, Suite 1702
TORONTO, Ontario
M5H 1J9

INVOICE № 17339

ORDER NO.

DATE September 26, 1984

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
		Project #6310 AYB	
T-7268	Sept. 20/84	1 Semiquantitative Spectrographic Analysis @ $35.00	$ 35.00

$

BELL - WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187 HAILEYBURY. ONTARIO TEL: (705) 672-3107
POJ 1KO

Lacana Mining Corporation
Sun Life Centre
150 King Street West
P. O. Box 19, Suite 1702
TORONTO, Ontario
M5H 1J9

INVOICE № 17341

ORDER NO.

DATE September 26, 19

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
		RE: N. W. Ontario Project 6310 AYB	
B1079-84	Sept. 26/84	8 Ba @ $6.00	$ 48.00

CHK'D HB	APPROVED FOR PAYMENT	
DATE PAID	CHEQUE No.	
28/09/84	0243	
DISTRIBUTION:	AMOUNT	
6313-15	168.00	
7101-15	35.00	
2021	35.00	
1001	(203.00)	
7201	(35.00)	

$

BELL-WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187 HAILEYBURY, ONTARIO TEL: (705) 672-3107
P0J 1K0

Lacana Mining Corporation
Box 354, Suite 3701
Royal Trust Tower
T. D. Centre
TORONTO, Ontario
M5K 1K7

INVOICE № 16496

ORDER NO.

DATE June 29, 1984

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
		Project #6310	
B566-84	June 29/84	37 Au, 37 sample preparations	$ 370.00

OK.
Superior Syndicate
6310-15

CHK'D	MB	APPR'V'D FOR PAYMENT	
DATE PAID		CHEQUE No.	
29/06/84		0148	
DISTRIBUTION:		AMOUNT	
6310-15		370.00	

R. 2021 370.00
7101-15 370.00

G. 1001 370.00
7201 370.00

$

LACANA MINING CORPORATION
Suite 1702, 150 King Street West
P.O. Box 19, Sun Life Centre
Toronto, Canada M5H 1J9
416-591-6640 Telex: 06-218157

February 1st, 1985

Mr. Douglas Isherwood,
Land Management Branch,
Whitney Block,
Room 6643,
Queen's Park,
Toronto, Ontario
M7A 1W3

Dear Mr. Isherwood:

Re: Your File 2-7512, Claims K751100 etal,
Beadle Lake and Fleming Areas

Please find paid invoices substantiating direct expenditures for assays totalling $4,244.75. The invoices carry the project number (6310), the numbers of the corresponding assay certificates and of the cheque.

I am submitting a revised report of work covering 14 claims (copy attached).

I trust the attached data will be satisfactory.

Yours very truly,

LACANA MINING CORPORATION

P. Chance
Geologist

PC/jd

January 16, 1985

Our File: 2.7512
Mining Recorder's
File: 309-84

Lacana Exploration (1981) Limited
Suite 1702, Box 19
Sunlife Centre
150 King Street West
Toronto, Ontario
M5H 1J9

Dear Sirs:

RE: Data for Assaying submitted on
Mining Claims K 751100 et al
in the Areas of Beadle Lake &
Fleming

We received reports and maps for the above-mentioned survey on December 5, 1984.

To complete your submission for assessment, please provide signed receipts or cancelled cheques to substantiate the $4680.63 expenditure with Bell-White Laboratories.

Please forward the above information, in duplicate, to this office quoting file 2.7512.

For further information, please contact Doug Isherwood at (416)965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

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

D. Isherwood:mc

cc: Mining Recorder
Kenora, Ontario

STATEMENT OF QUALIFICATIONS

LORENZ PAULSEN

DATE OF BIRTH: ----- March 24, 1955

ADDRESS: ---------- 3657B J.A.MacDonald Road,
Saskatoon, Saskatchewan
S7H 5K2

QUALIFICATIONS: ---- 1977 - BSc(Hons)-Geological Sciences,
Queen's University,
Kingston, Ontario

RELATED EXPERIENCE: 1977 - 1979 - Uranerz Exploration and
Mining Ltd.,
Saskatchewan:
Project Geologist

1980 - 1982 - Energy Reserves Canada,
Saskatchewan &
British Columbia:
Staff Geologist

1983 - 1984 - Lacana Mining Corporation,
Ontario & Saskatchewan:
Temporary Geologist

Lorenz Paulsen

Lorenz Paulsen
Saskatoon, Saskatchewan

December 3, 1984

M.2083

FLEMING Tp.

NOTES

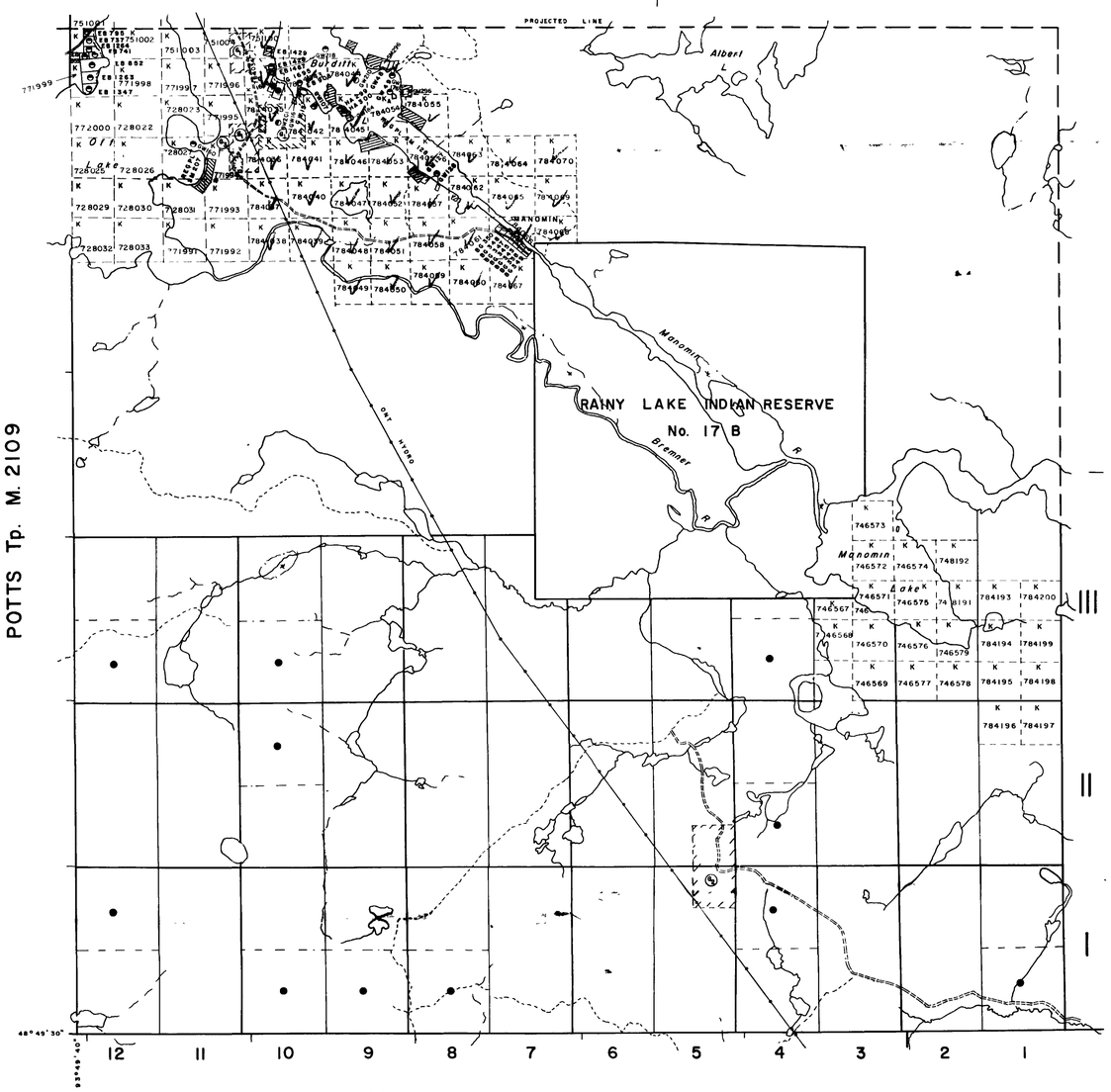
400' surface rights reservation along the shores of all lakes and rivers.

SAND & GRAVEL

- Gravel File 71043
- M N R Gravel Pit No 84 File. 116134, 116141
- Gravel File 178418

M. 2068 SENN Tp. M. 2108

PROJECTED LINE



POTTS Tp. M. 2109

JACKFISH LAKE M. 2108

M.2112

RAINY LAKE M.2108

KINGSFORD Tp. M. 2089

DANCE Tp. M.2075

LEGEND

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

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	◒
" MINING RIGHTS ONLY	◒
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	■
" MINING RIGHTS ONLY	■
LICENCE OF OCCUPATION	▼
CROWN LAND SALE	CS
ORDER-IN-COUNCIL	OC
RESERVATION	R
CANCELLED	C
SAND & GRAVEL	G

SCALE : 1 INCH 40 CHAINS

FEET 0 500 1000 2000 4000 6000 8000

METRES 0 200 400 600 800 1KM 2KM

ACRES	HECTARES
40	16

TOWNSHIP

FLEMING

DISTRICT

RAINY RIVER

MINING DIVISION

KENORA

Ministry of Natural Resources

Ontario Surveys and Mapping Branch

Date - - 7 74 -

Whitney Block Queen's Park, Toronto

Plan No. M.2083

K&E 1-73

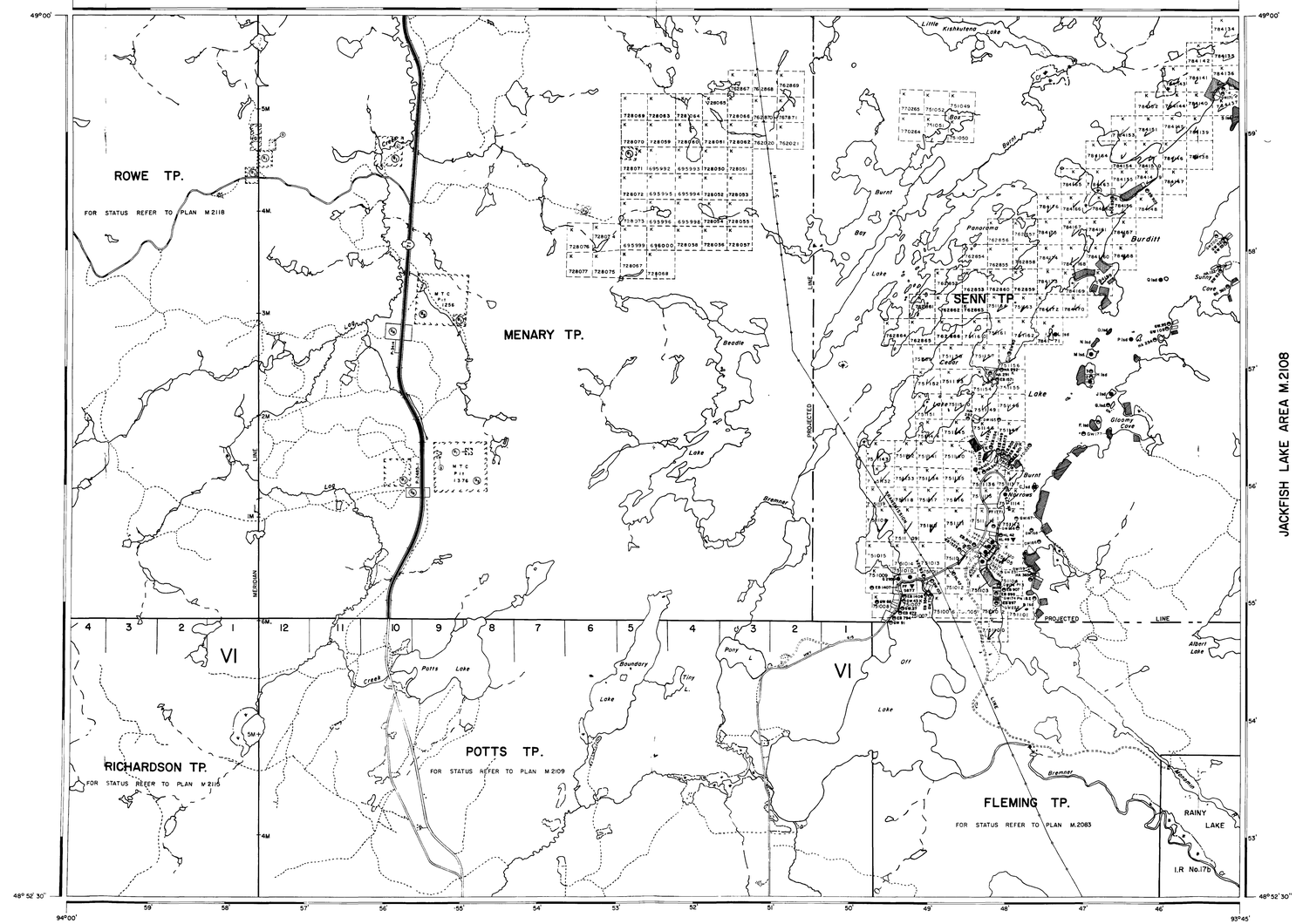
200

NOTES

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

Summer Resort Locations of Reg plan SM 128 shown thus SR

- File 73000
- M.T.C Pit 1256
- " " 1376
- Gravel Pit P-2485-1
- Gravel File 73000
- Quarry Permit



LEGEND

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

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	◐
" MINING RIGHTS ONLY	◑
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	◧
" MINING RIGHTS ONLY	◨
LICENCE OF OCCUPATION	▼
CROWN LAND SALE	CS
ORDER-IN-COUNCIL	OC
RESERVATION	Ⓡ
CANCELLED	Ⓒ
SAND & GRAVEL	Ⓢ

SCALE : 1 INCH 40 CHAINS

FEET 0 1000 2000 3000 4000 5000 6000
METRES 0 200 400 600 800 1KM 2KM

ACRES	HECTARES
40	16

AREA

BEADLE LAKE

DISTRICT

RAINY RIVER

MINING DIVISION

KENORA

Ministry of Natural Resources
Ontario — Surveys and Mapping Branch

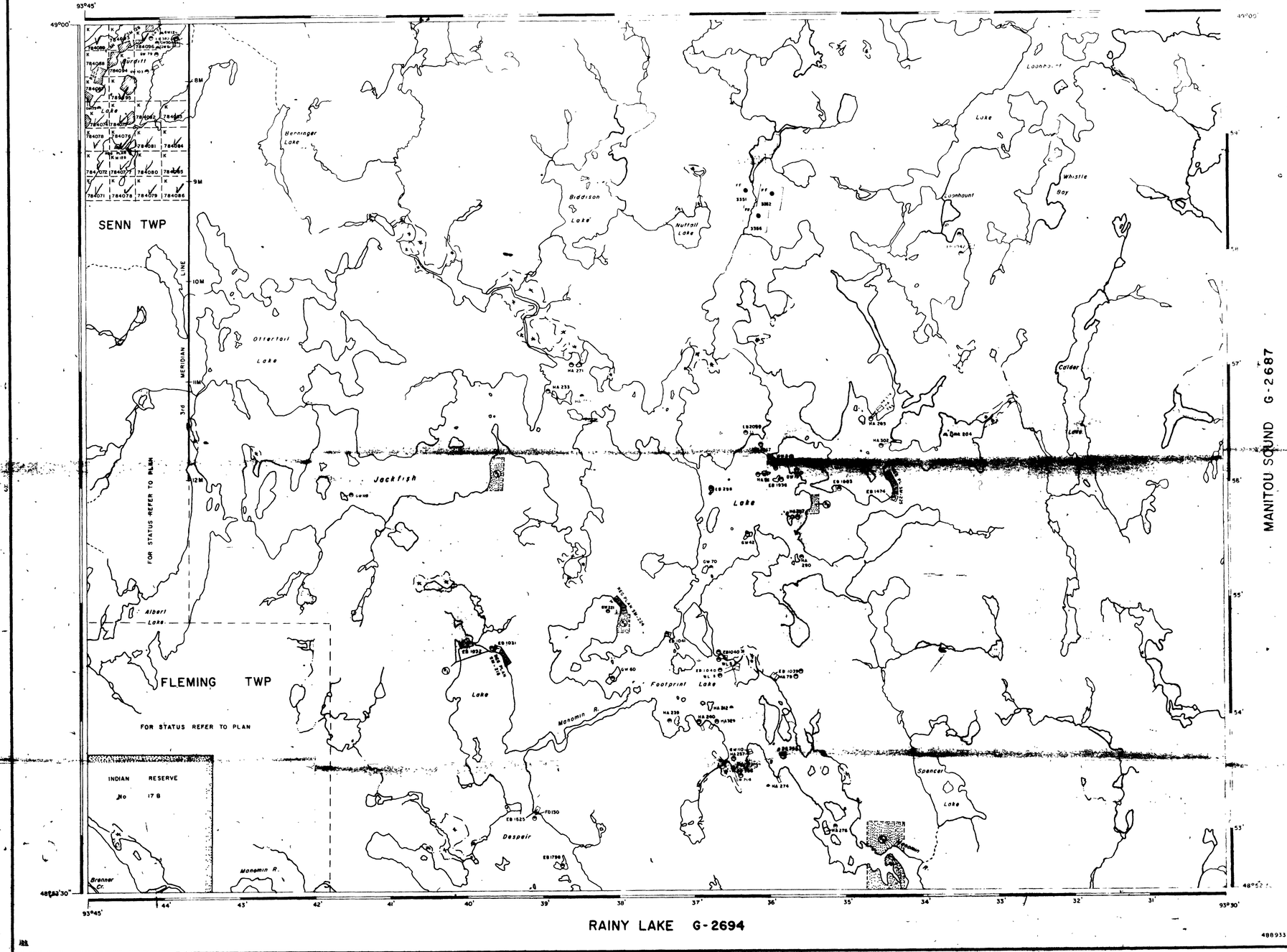
Date MAR 28, 73 | Plan No. M.2068

National Topographical Series 52C13

488934

TRIM LINE

DASH LAKE G-2671



LEGEND

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

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	◒
" MINING RIGHTS ONLY	◒
LEASE SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	◨
" MINING RIGHTS ONLY	◧
LICENCE OF OCCUPATION	▼
ORDER IN COUNCIL	OC
RESERVATION	⊕
CANCELLED	⊗
SAND & GRAVEL	⊕

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

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. MINING RIGHTS ONLY
S.R.O. SURFACE RIGHTS ONLY
M.+S. MINING AND SURFACE RIGHTS

Description	Order No	Date	Disposition	File
Crown Reserve		81/6/01		77094 Vol.8
Reserve				180918

SCALE: 1 INCH = 40 CHAINS

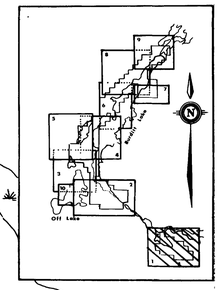
FEET 0 1000 2000 4000 6000 8000
METRES 0 200 1000 (1 KM) 2000 (2 KM)

AREA **JACKFISH LAKE**

M.N.R. ADMINISTRATIVE DISTRICT
FORT FRANCES
MINING DIVISION
KENORA
LAND TITLES / REGISTRY DIVISION
RAINY RIVER

Ministry of Natural Resources — Land Management Branch
Ontario

Date FEBRUARY, 1984 — Number G-2678



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MAP 1
N

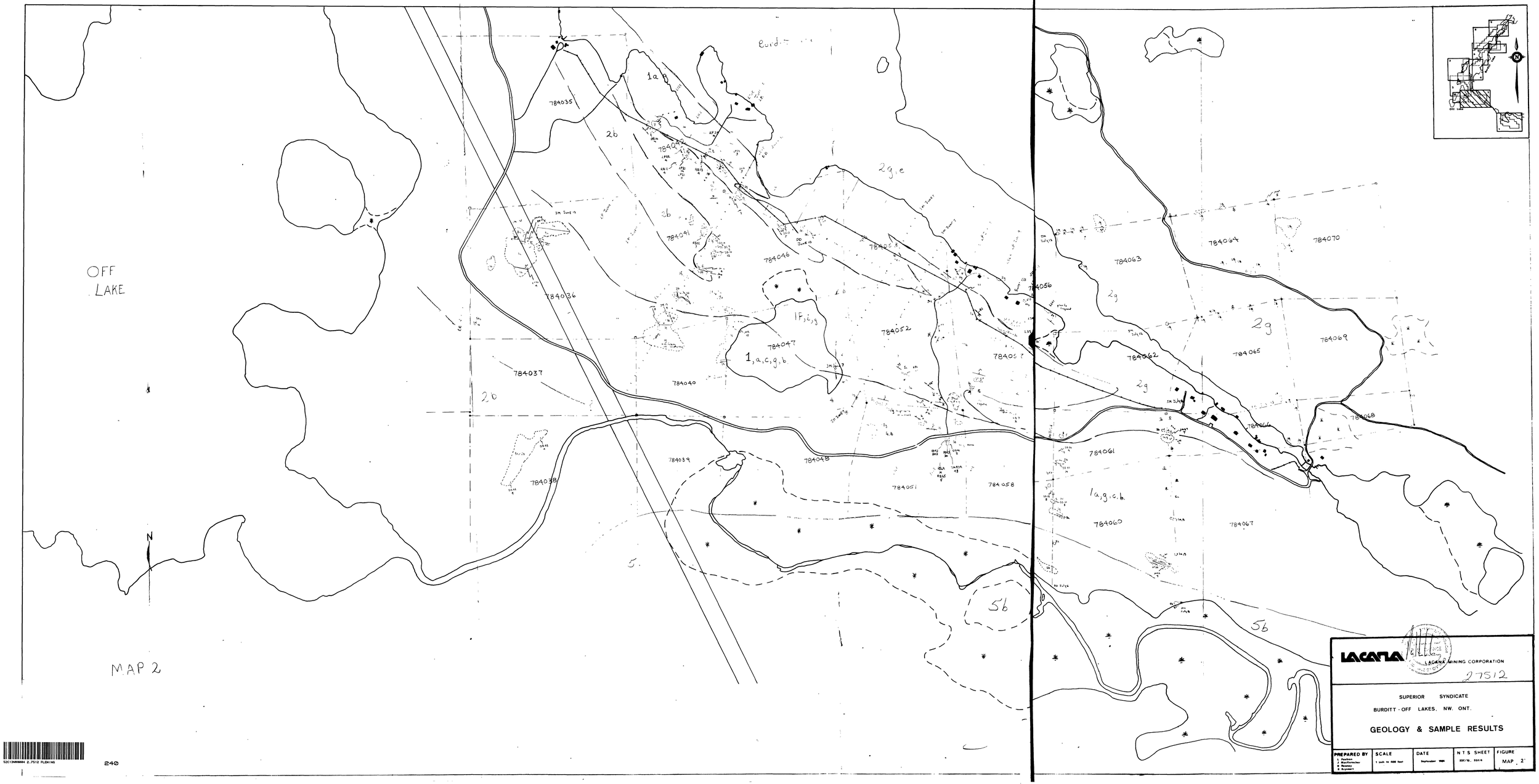
LACANA MINING CORPORATION

SUPERIOR SYNDICATE

BURDITT - OFF LAKES, NW ONT

GEOLOGY & SAMPLE RESULTS

PREPARED BY	SCALE	DATE	N T S SHEET	FIGURE
I. Paulsen J. MacKercher D. Downey R. Reimers	1 inch to 400 feet	September 1986	32C/13, 32F/4	MAP 1



LACANA MINING CORPORATION

27512

SUPERIOR SYNDICATE

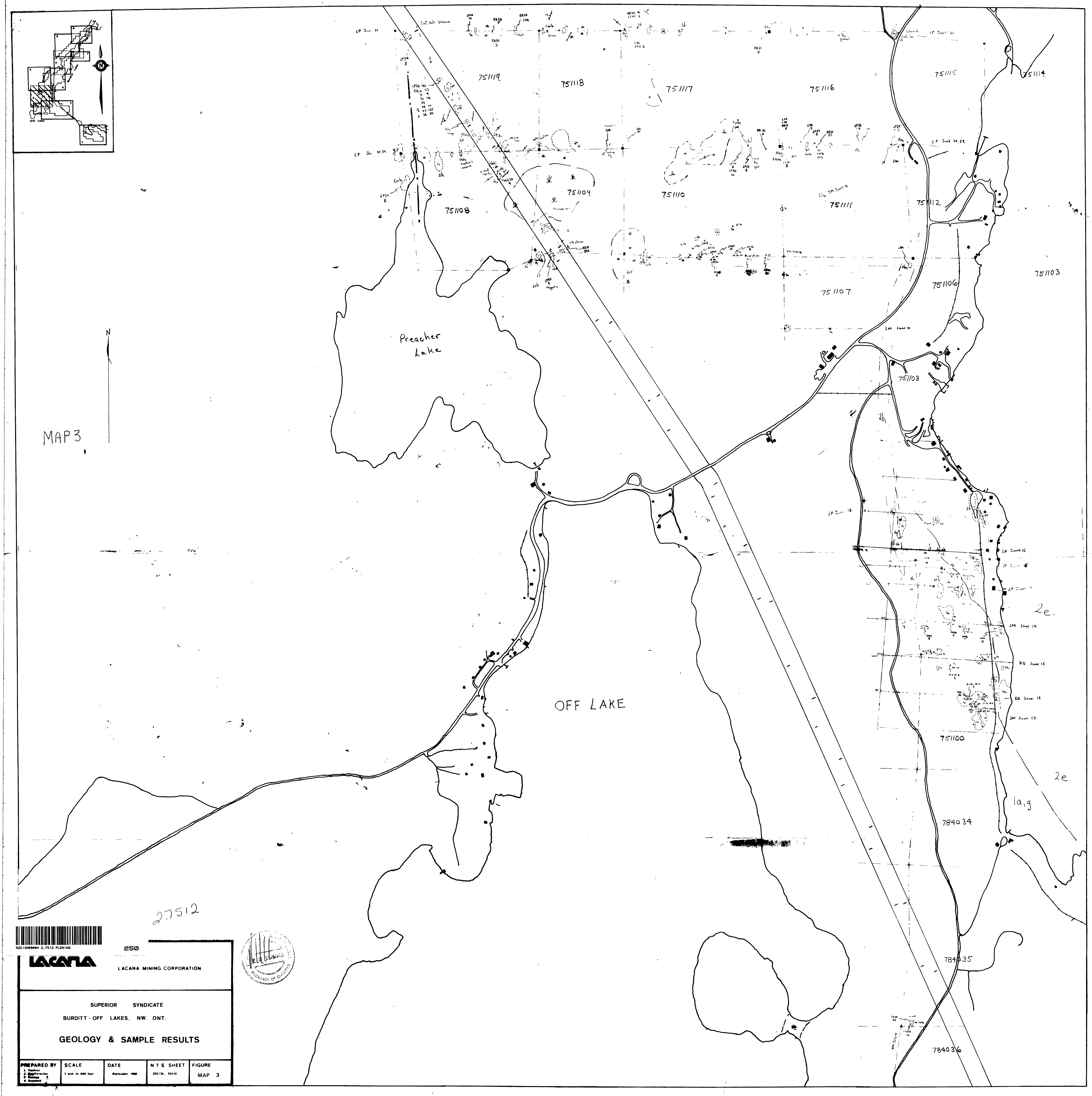
BURDITT - OFF LAKES, NW. ONT.

GEOLOGY & SAMPLE RESULTS

PREPARED BY	SCALE	DATE	N.T.S. SHEET	FIGURE
J. Pawlowski J. MacKenzie G. Rooney R. Bryniuch	1 inch to 400 feet	September 1986	52C/13, 52F/4	MAP 2

52C13NW0004 2.7512 FLEMING

240



27512

250

LACANA

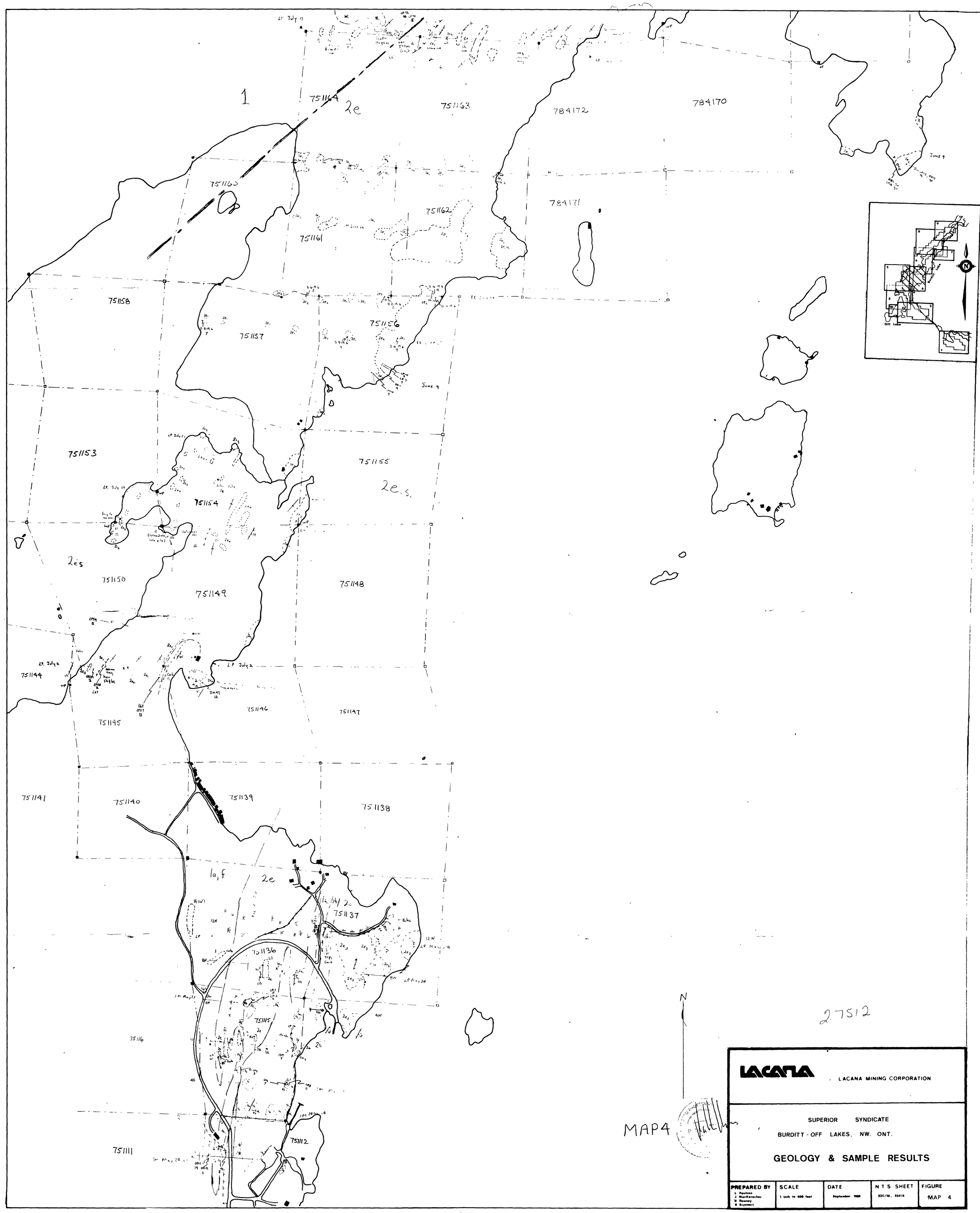
LACANA MINING CORPORATION

SUPERIOR SYNDICATE

BURDITT - OFF LAKES, NW. ONT.

GEOLOGY & SAMPLE RESULTS

PREPARED BY	SCALE	DATE	N T S SHEET	FIGURE
L. Paulson J. MacKeracher D. [illegible] R. [illegible]	1 inch to 400 feet	September [illegible]	52C/13, 52F/4	MAP 3



MAP4

N

27512

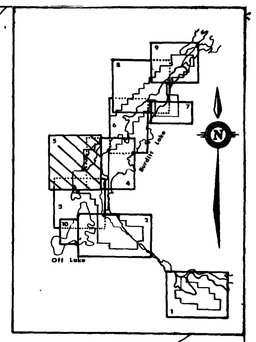
LACANA MINING CORPORATION

SUPERIOR SYNDICATE

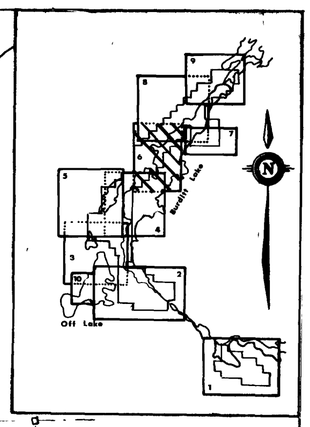
BURDITT - OFF LAKES, NW. ONT.

GEOLOGY & SAMPLE RESULTS

PREPARED BY	SCALE	DATE	N T S SHEET	FIGURE
L Paulsen J MacKerracher D Downey B Brynaert	1 inch to 400 feet	September 1986	52C/13, 52F/4	MAP 4



LACANA MINING CORPORATION				
SUPERIOR SYNDICATE · 2.7512 BURDITT - OFF LAKES, NW ONT. GEOLOGY & SAMPLE RESULTS				
PREPARED BY L. Poulsen J. MacKercher D. Rooney R. Bryenart	SCALE 1 inch to 400 feet	DATE September 1984	N T S SHEET 52C/13, 52F/4	FIGURE MAP 5



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762859
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2e
1f
1c
7
LP Jul 9
LP Aug 9
LP Jul 12
DD Aug 3
DD76 10
DD75 11
RB47 5
RB-4 4
RB-6 2
Map 6

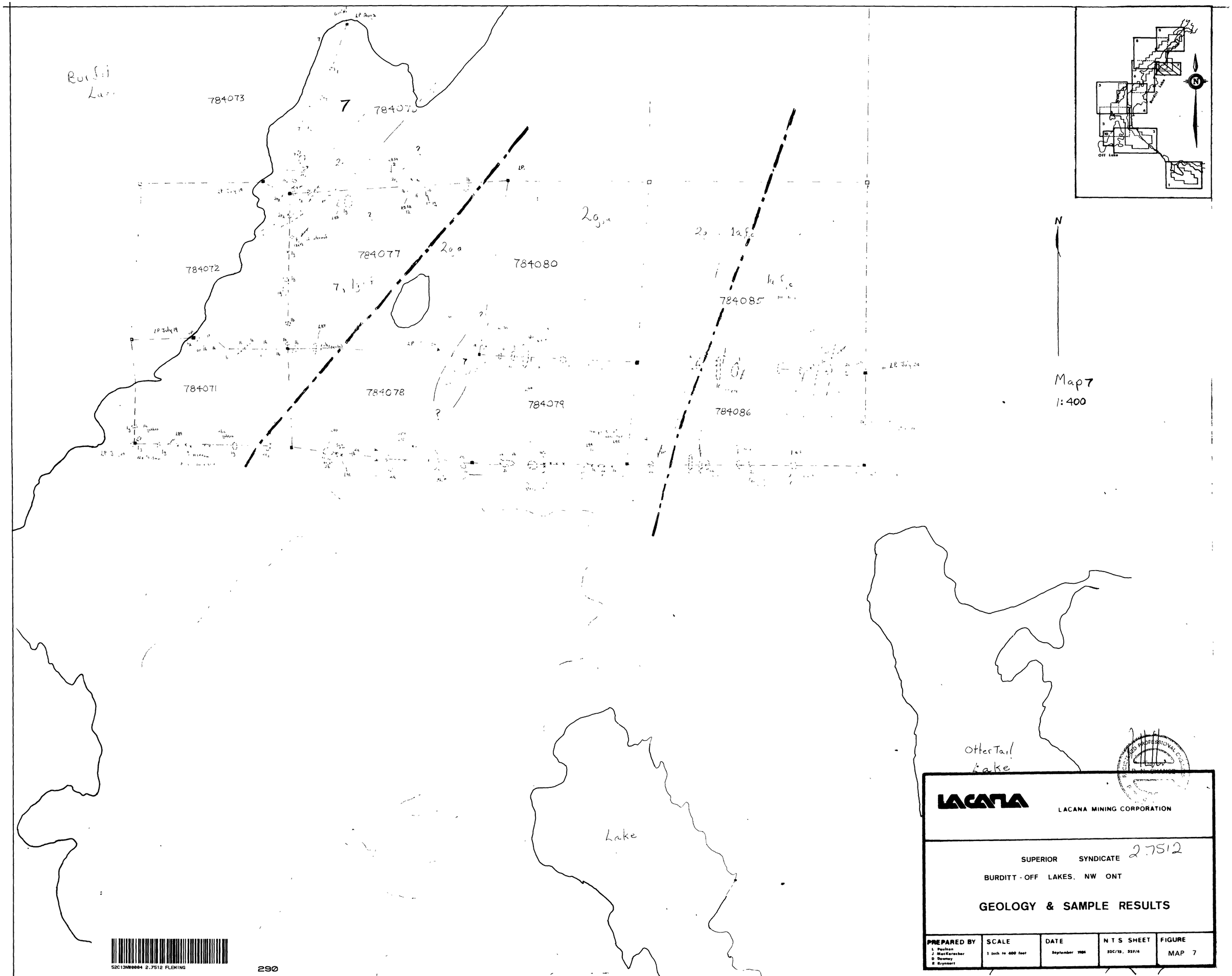
LACANA MINING CORPORATION

SUPERIOR SYNDICATE 2.7512

BURDITT - OFF LAKES, NW. ONT

GEOLOGY & SAMPLE RESULTS

PREPARED BY	SCALE	DATE	N T S SHEET	FIGURE
L Paulsen J MacKeracher D Bowney R Brymaert	1 inch to 400 feet	September 1985	52C/13, 52F/4	MAP 6



LACANA MINING CORPORATION

SUPERIOR SYNDICATE 2.7512

BURDITT - OFF LAKES, NW ONT

GEOLOGY & SAMPLE RESULTS

PREPARED BY	SCALE	DATE	N T S SHEET	FIGURE
L Paulson J MacKerracher D Downey R Eymaert	1 inch to 400 feet	September 1984	52C/13, 52F/4	MAP 7

52C13NW0004 2.7512 FLEMING

MAP 8

Burditt Lake

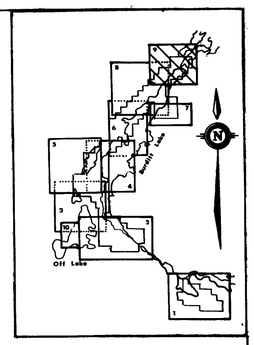
LACANA MINING CORPORATION

SUPERIOR SYNDICATE

BURDITT - OFF LAKES, NW. ONT 27512

GEOLOGY & SAMPLE RESULTS

PREPARED BY	SCALE	DATE	N T S SHEET	FIGURE
L Poulsen J MacKerracher D Downey R Brynaert	1 inch to 400 feet	September 1986	32C/13, 32F/4	MAP 8



MAP 9

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784090 784091 784092 784097 784098 784099 784100 784101 784102 784103 784104 784105 784106 784107 784108 784109 784110 784111

SUPERIOR SYNDICATE

BURDITT - OFF LAKES, NW ONT.

GEOLOGY & SAMPLE RESULTS

PREPARED BY	SCALE	DATE	N T S SHEET	FIGURE
L Paulsen J MacKerecher B Bumsey R Brymert	1 inch to 400 feet	September 1984	52C/12, 52F/4	MAP 9

751088

751087

751090

751091

LP JUNE 6

LP JUNE 4

WP

Doug JUNE 4

JUNE 4 DD

7 Mag

DDH 6

Burditt Lake

Off Lake

OFF

N

LACANA MINING CORPORATION

SUPERIOR SYNDICATE

BURDITT-OFF LAKES, NW. ONT.

GEOLOGY & SAMPLE RESULTS

1 in. to 400 ft. | Sept. 1984 | MAP 10

52C13NW0004 2.7512 FLEMING