



52N04NE0028 63.4282 BATEMAN

010

A REPORT ON THE McFINLEY RED LAKE
GOLD PROPERTY OF SABINA INDUSTRIES LTD.
AND McFINLEY MINES LTD., BATEMAN TWP.,
ONTARIO

August 29, 1983

G.M. Hogg & Associates Ltd.
28 Thompson Avenue,
Toronto, Ontario M8Z 3T3

This report may not be reproduced, in whole or in part,
without the written permission of G.M. Hogg & Associates Ltd.

INTRODUCTION

This report on the McFinley Red Lake gold property has been prepared by G.M. Hogg, P.Eng., at the request of Mr. W.W. Cummins, President of Sabina Industries Limited (Sabina), and McFinley Mines Limited (McFinley). The property, held 60 percent by Sabina and 40 percent by McFinley, consists of 30 contiguous mining claims located approximately 4 miles north of the currently producing Campbell Red Lake and Dickenson mines of the Red Lake district of northwestern Ontario.

The purpose of this study is to appraise the existing data available on the property, and to recommend an appropriate program for its further exploration and development.

Information available on the property includes that published by and retained in the assessment files of the Ministry of Natural Resources of Ontario, that supplied by Sabina and McFinley, and that acquired by the writer through personal observation. The property was visited by the writer relevant to this study during May, 1983. The extent and accuracy of the available data is considered sufficient for the purposes of this report.

The cooperation and aid of Mr. W.W. Cummins, Mr. R.J. Mongeau and Mr. J.F. Whitton, responsible for the administration and supervision of current Sabina/McFinley operations on the property, are gratefully acknowledged. The writer is also indebted to others knowledgeable in geological and operational matters in the Red Lake area for the benefit of their advice and discussion.

PROPERTY LOCATION & ACCESS

The 1,260 acre property is located in the southwestern part of Bateman

Township within the Administrative District of Kenora, Ontario. It lies approximately eight miles northeast of the Town of Red Lake (see Figure 1).

The claim area includes most of the McFinley Peninsula, McFinley Island, and the surrounding waters of East Bay of Red Lake. It is accessible via two miles of unimproved gravel road from the Wilanour mine site (formerly the Cochenour Willans mine) to Abino Point, and two miles of bush road recently completed by Sabina/McFinley interests. The bush road is passable only by tractor or large-wheeled vehicle at this time, but improvements are planned. The property may also be reached by boat from vehicle-accessible points on Red Lake.

Electric power can be supplied with the installation of a transmission facility from the Wilanour mine area to the south. Supplies and labour suitable for the support of a mining operation are available in the Red Lake area.

Topographically the property area is subdued, exhibiting a maximum local relief of about 50 feet. Outcrop is common along shorelines, but the property is otherwise overburden or lake-covered. Overburden consisting of sand, clay and gravel covers most of the land area of the property to depths of 5 to 30 feet. An existing grid, trails and drill roads provide access to the interior of the property.

LAND TENURE, OWNERSHIP

The McFinley Red Lake property includes 30 mining claims comprising an area of approximately 1,260 acres. Twenty-six of these claims are held under patent and Licence of Occupation, and include mining rights as well as surface rights in most land areas. The four additional claims are unpatented, and have not yet been brought to lease. All are held by Sabina (60 percent interest) and McFinley (40 percent interest) through

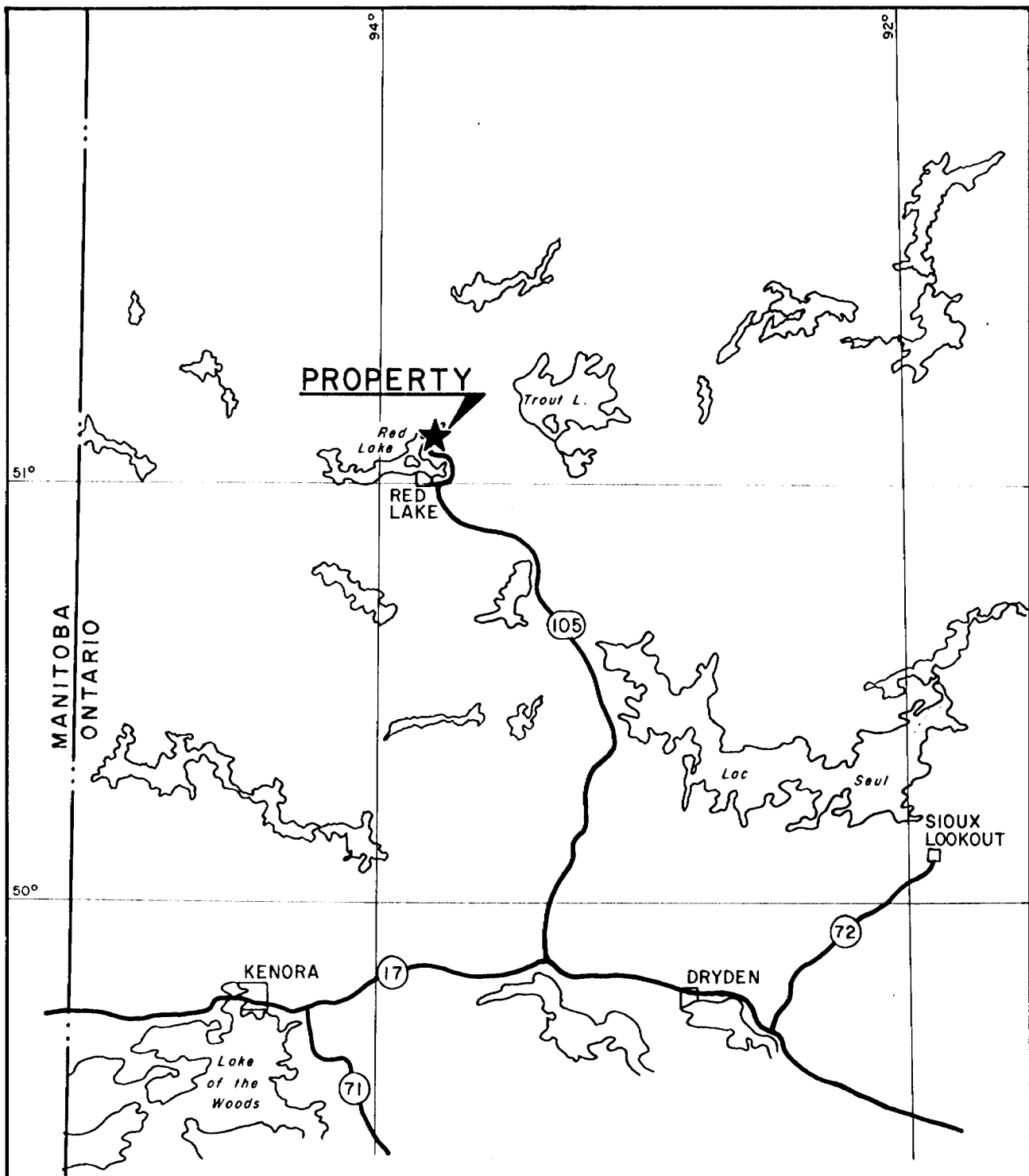
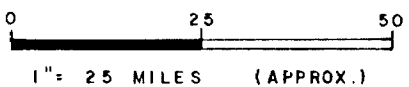


FIG. 1

<p>SABINA INDUSTRIES LTD. AND Mc FINLEY MINES LTD.</p>	
<p>Mc FINLEY RED LAKE PROPERTY</p>	
<p>BATEMAN TWP., RED LAKE AREA</p>	
<p>GENERAL LOCATION PLAN</p>	
<p>JULY, 1983</p>	<p>G.M. HOGG & ASSOCIATES LTD.</p>



title and/or agreement. Title to these properties has been verified in Company records, the records of the Mining Recorder in Red Lake, and those of the Land Registry Office in Kenora (August, 1983), and beneficial ownership is warranted secure and as stated.

The locations of the various included claims are shown in Figure 2, and they may be listed as follows:

<u>Claim No., Lic. Occ. No.</u>	<u>Parcel No.</u>	<u>Land Acreage</u>	<u>Water Acreage</u>
K 954 (L.O. KRL 18152)	1977	17.10	22.90
K 955 (L.O. KRL 18515)	1978	10.06	24.60
K 1493	994	12.60	12.40
K 1494	995	20.70	46.30
K 1495	996	25.70	25.00
K 1497	999	33.30	15.10
K 1498	992	7.50	27.30
K 1499	993	28.30	6.00
KRL 246	997	37.10	10.70
KRL 247	998	44.30	11.20
KRL 2155	-	-	24.50
KRL 2156	-	-	33.80
KRL 11031 (L.O. 18519)	-	-	44.20
KRL 11038 (L.O. 18377)	-	-	] 70.85
KRL 11039 (L.O. 18377)	-	-	
KRL 11481	1446	10.47	34.96
KRL 11482	1447	17.15	13.93
KRL 11483	1448	30.10	16.60
KRL 11487	1452	37.83	14.18
KRL 18373	-	-	19.11
KRL 18374	-	-	48.65
KRL 18375	-	-	56.11
KRL 18376	-	-	37.11
KRL 18457	2449	19.43	27.10
KRL 18514	-	-	43.19
KRL 18735	2450	51.73	30.21
KRL 503297 (unpatented)		-	40.00 (est.)
KRL 503298	"	-	40.00 (est.)
KRL 503299	"	-	40.00 (est.)
KRL 526262	"	-	20.00 (est.)
		403.37	856.00

30 claims totalling 1,259.37 acres, more or less.

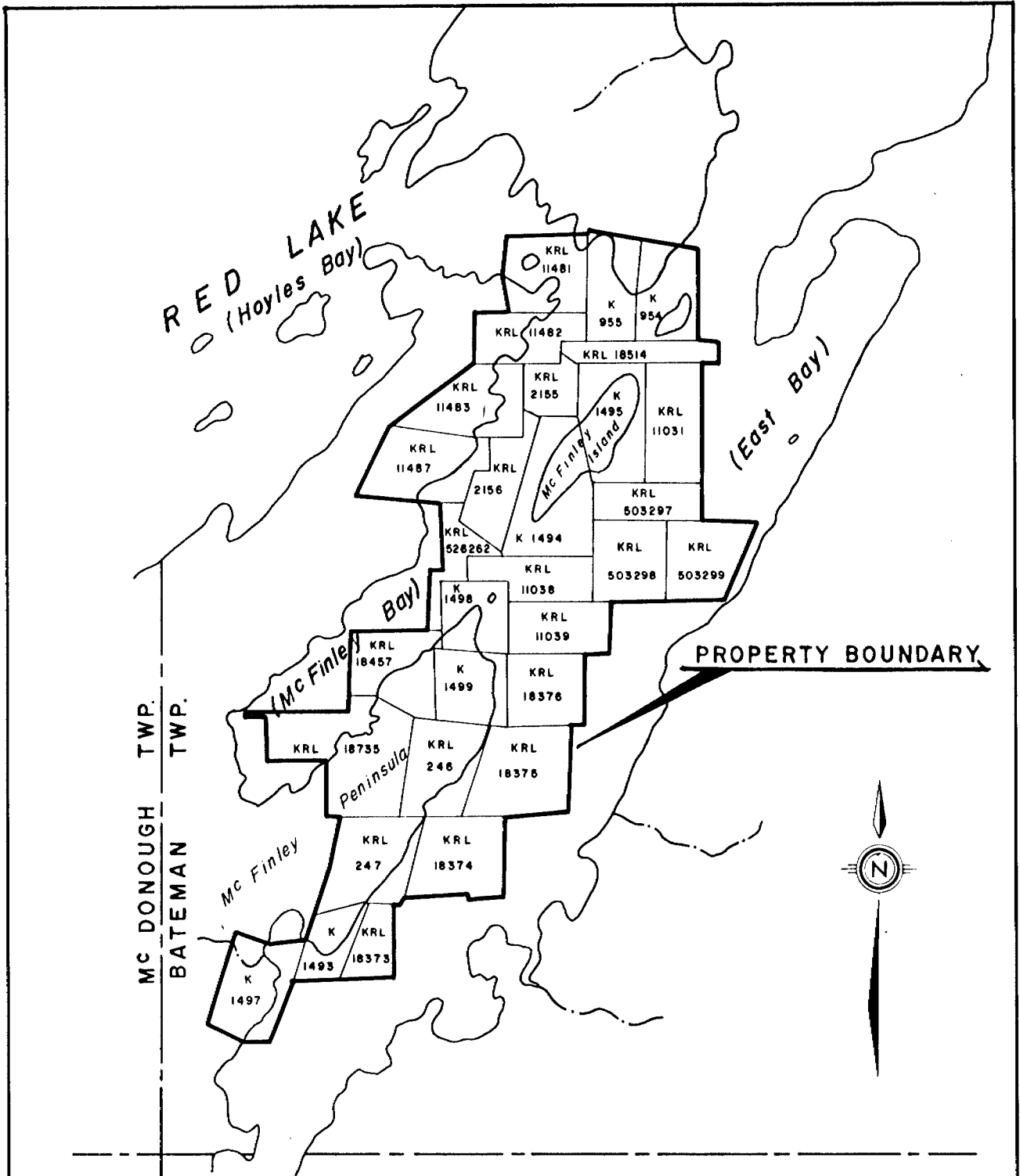


FIG. 2

SABINA INDUSTRIES LTD. AND Mc FINLEY MINES LTD.	
Mc FINLEY RED LAKE PROPERTY	
BATEMAN TWP., RED LAKE AREA	
CLAIM LOCATION PLAN	
JULY, 1983	G.M. HOGG & ASSOCIATES LTD.

0 ————— 1-0
1" = 1/2 MILE

The present ownership levels derive from an agreement concluded between Sabina and McFinley Red Lake Gold Mines Limited in late 1974. Under this agreement Sabina had the right to earn a 60 percent interest position in the existing claims through the expenditure of \$ 148,000 in exploration thereon. This expenditure level had been reached by mid-1975, and the Sabina position established. Also during 1975 the name McFinley Red Lake Gold Mines Limited was changed to McFinley Mines Limited.

The beneficial ownership of the original claims, and new claims subsequently acquired in the East Bay area, is thus 60 percent Sabina, and 40 percent McFinley. The two Companies contribute to all expenditures and share in all profits relevant to the property on a proportional basis.

HISTORY OF PROPERTY

The original McFinley claims were staked in 1922 on a rich silver occurrence , constituting the first mineral prospect of record in the Red Lake area. Numerous gold prospects were subsequently located in the district, and in 1925 the Howey gold deposit was discovered, to be developed into the area's first gold mine by J.E. Hammell in 1930. Over the ensuing years a total of 14 gold deposits were developed and attained production in the area, and numerous other prospects were located and explored without notable success.

Today the Campbell Red Lake and Dickenson mines are the only continuing gold operations in the Red Lake camp, but exploratory efforts in the district have been renewed by many interests. At present the Cochenour Willans facility, now held by Wilanour Mines Ltd., has been readied for production and is being maintained on a standby basis. On the Abino property, adjoining the McFinley property on the south, development work has recently been undertaken by Goldquest Exploration Inc. of the Dickenson group.

On the McFinley Red Lake property early work consisted of trenching, sampling and limited diamond drilling on the McFinley Peninsula and on McFinley Island to the northeast. Initially the work was largely directed to the evaluation of argentiferous sulphide zones (Pb, Zn), but the widespread presence of gold was soon recognized associated with both iron formation and carbonate zones. During 1941 and 1942 additional diamond drilling was done as part of the wartime minerals evaluation program, but results did not warrant development effort under the prevailing circumstances. At the time the property was held by McCallum Red Lake Mines Limited, to be superseded shortly by McFinley Red Lake Gold Mines. In the 1944 to 1946 period McFinley Red Lake Gold Mines Ltd. carried out an extensive drilling program in the property area, completing 102 holes comprising a total of 48,598' of drilling. This was followed in 1956 by an underground evaluation program carried out by Little Long Lac interests. At that time a 423 foot shaft was sunk within claim KRL 246 on the peninsula, and 1,358 feet of lateral workings completed on two levels. This operation was terminated in mid-1957.

During 1974 the Sabina-McFinley agreement was concluded, and Sabina interests undertook an extensive drilling program. A total of 25 holes were drilled involving approximately 10,000 feet of exploratory footage during the following year, establishing Sabina's 60 percent interest position in the McFinley Red Lake property.

In 1982 the Sabina-McFinley joint venture completed a combined magnetic-electromagnetic ground survey of the central property area, and in early 1983 proceeded with a follow-up drilling program. This program is currently in the final stages, but to the end of July, 1983, had involved the completion of 33 test holes for a total of 12,046 feet of drilling.

Over the years the Ontario Department of Mines and the Ontario Geological Survey have, of course, provided much information on the Red Lake area generally, and the East Bay area specifically. The first substantial report on the area is that published as O.D.M. Annual Report, Vol. 49, Part II, 1940 (Geology and Mineral Deposits of the Red Lake Area,

H.C. Horwood). Brief reference to the McFinley Red Lake property is made therein on page 154, as the McCallum Red Lake claims. The East Bay area was mapped by S.A. Ferguson of the Ontario Department of Mines, and published as O.D.M. Map 2061, The Geology of Bateman Township (South Part), 1962. Also, the Ontario Geological Survey completed a combined magnetic-electromagnetic aerosurvey of the area in 1978, published as Preliminary Map 1574, 1978. A more recent study of pertinence is found in O.G.S. Miscellaneous Paper 110, 1983, entitled "Alteration, Metamorphism and Structural Patterns Associated With Archean Gold Deposits- Preliminary Observations in the Red Lake Area", by A.J. Andrews and H. Wallace.

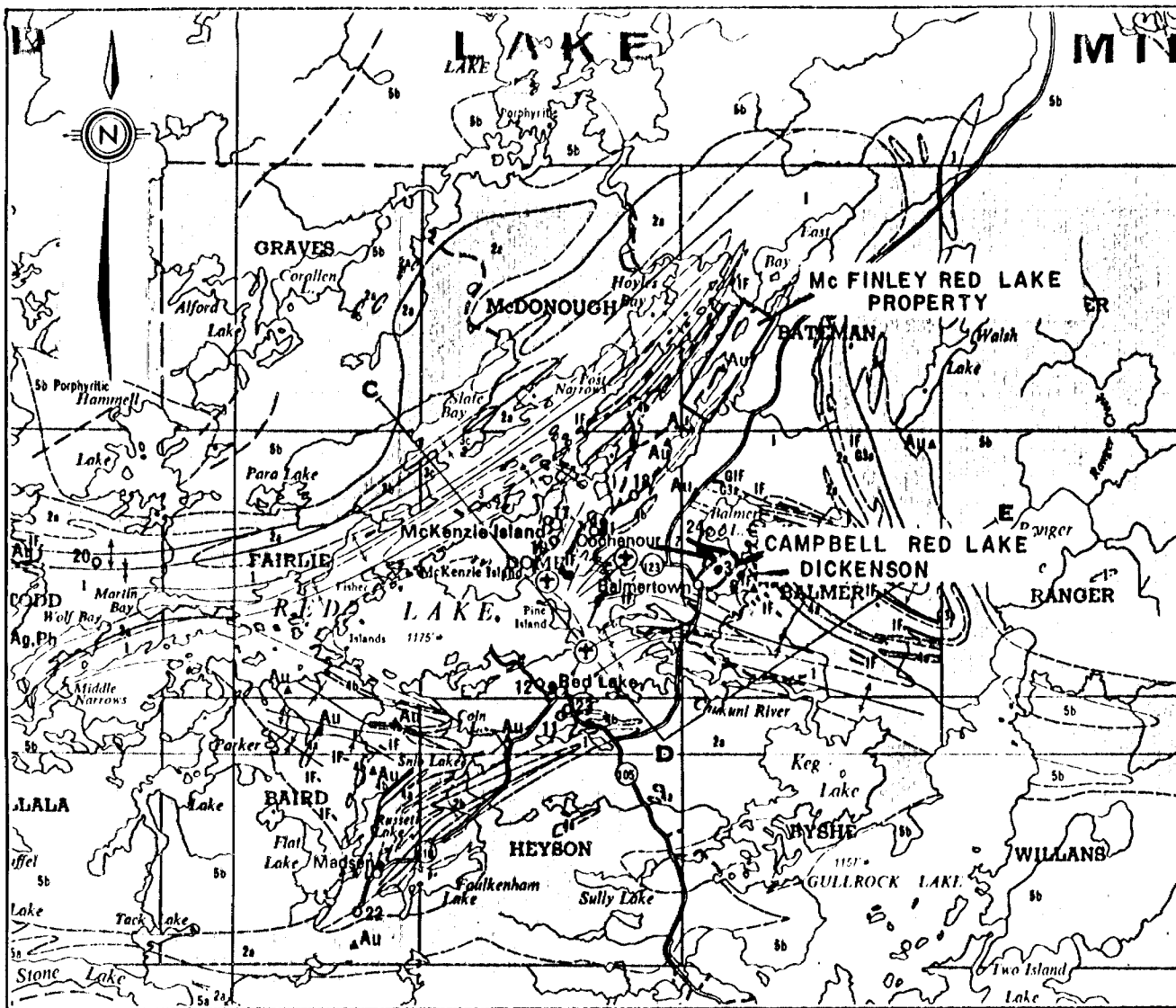
GENERAL GEOLOGY

As shown in Figure 3, the Red Lake Basin includes Archean extrusive, sedimentary and intrusive rocks extending over an area of about 37 miles in an east-west direction, and 22 miles in a north-south direction. The formations may be divided into three main groups; the Keewatin-type rocks (mainly of volcanic origin), the Timiskaming-type rocks (mainly of sedimentary origin), and post-Timiskaming rocks represented almost entirely by intrusives.

Keewatin-type flows are the most common rocks in the area, making up about 50 percent of the older formations. Iron formation units, in places with slate and quartzite, are prominent between some flows.

Timiskaming formations appear to have been laid down unconformably on the eroded surface of the deformed Keewatin-type units. The most common rock type is an impure arenite (graywacke), but minor beds of slate, argillite, quartzite, conglomerate and iron formation are often present. In places the sediments have been metamorphosed to paragneisses.

The intrusive rocks of the area include, granite, quartz and feldspar porphyries, diorites and gabbros, and exhibit exceedingly complex



LEGEND

5 Undifferentiated granitic rocks.
 5a Biotite and (or) hornblende-quartz-feldspar gneiss, augen gneiss, migmatite, granite gneiss, hybrid granite gneiss, amphibolite gneiss.
 5b Granite, granodiorite

MAFIC AND ULTRAMAFIC IGNEOUS ROCKS

4 Undifferentiated.
 4a Gabbro, metagabbro, metadiorite.
 4b Peridotite, serpentinite.

METASEDIMENTS*

3 Undifferentiated.
 3a Conglomerate, arkose, greywacke, siltstone, argillite, slate, and derived schists.
 3b Metasediments with some metavolcanics.
 3c Paragneiss, lit-par-lit gneiss.

1f Iron formation.

FELSIC TO INTERMEDIATE METAVOLCANICS

2 Undifferentiated.
 2a Rhyolitic and dacitic tuff, agglomerate and flows.
 2b Tuff with some metasediments.

MAFIC METAVOLCANICS

1 Undifferentiated.
 1a Massive lava, pillow lava, tuff, agglomerate, amphibolite, and derived schists and gneisses.
 1b Metavolcanics with some metasediments.

● Producing mine.
 ○ Past producing mine.
 ▲ Mineral occurrence.

Ag Silver

Au Gold

Map 2175
 Red Lake-Birch Lake Sheet
 Geological Compilation Series

FIG. 3

GENERAL GEOLOGY OF THE RED LAKE AREA, N.W. ONT.



Scale 1" = 4 Miles

intrusive relationships. Ultramafic rocks are also noted, particularly associated with mafic volcanics in areas containing gold concentrations. These are often identified as talc-chlorite schist, and may be derived from ultramafic flow systems.

Folding and faulting are common and of varying intensity throughout the basin area. The older Keewatin-type rocks appear to have suffered initial deformation on geosynclinal infolding, with the Timiskaming-type units being deposited unconformably upon them. Continued geosynclinal development produced deformation within the Timiskaming-type rocks, further complicated by profound intrusive activity.

In the East Bay area the most common rock type encountered is mafic flow material. These units strike in an NNE direction, and dip 60° to 70° to the northwest. Underlying the waters of East Bay itself sill-like masses of talc-chlorite schist occur. They are essentially conformable, and probably derive from ultramafic flows interspersed with basaltic units. Underlying the McFinley Peninsula and McFinley Island are intercalated mafic volcanics and metasediments, including iron formation. This sequence extends to the northwest in conformable attitude, with the volcanics becoming increasingly felsic in character. Feldspar porphyry, granite and diorite are present in the area in intrusive configuration, but are not of wide distribution.

Much of the volcanic material underlying the easterly part of the McFinley Peninsula (stratigraphically just above the talc-chlorite schist) is variably biotitic, and is often referred to as meta-andesite. Such material is usually schistose, and is interbedded with cherty magnetite or sulphide-rich iron formation. This material is believed a mafic tuffaceous rock, forming a part of an essentially sedimentary formation lying in unconformable contact with older mafic to ultramafic flows.

Folding exists in the area, but appears mainly localized in development. Strike faulting also likely exists, particularly within the talc-chlorite schist and some of the more incompetent metasedimentary units, but is not known to be extensively developed. Right hand crossfaulting of a westerly orientation involving lateral movement of not more than a few hundred feet has been observed in the Peninsula area.

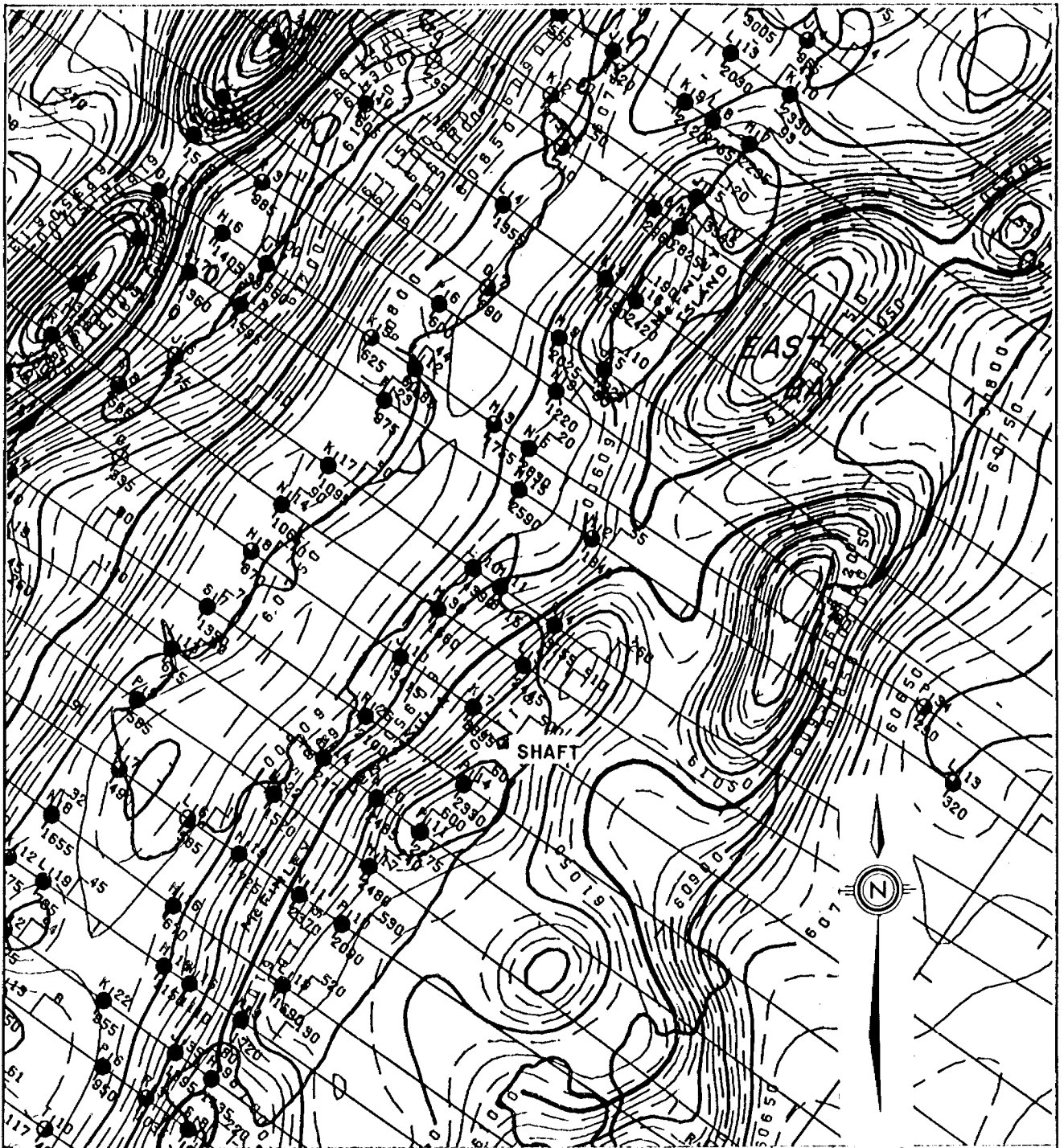
The geophysical character of the East Bay area is illustrated in Figure 4 to this report. Therein the strongly conductive locations indicated by the INPUT survey trace NNE-striking linear conductive zones, which are sulphide-rich and/or graphitic metasediments. The broad magnetically high areas underlying East Bay are caused by the presence of ultramafic material (talc-chlorite schist), while the magnetically high linears along the eastern side of the McFinley Peninsula and in the McFinley Island area are a response to iron formation. Irregularities, such as that existing between the peninsula and the island may be caused by simple contact irregularity, folding, or crossfaulting.

An interpretive geological plan, based on known geology and geophysical data is shown in Figure 5.






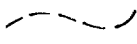
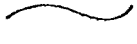


ECONOMIC GEOLOGY

Gold occurs in four different environments in the McFinley Red Lake property area. They may be listed as follows:

- (1) With dark, bluish quartz in association with pyrite, pyrrhotite, arsenopyrite, sphalerite, galena and silver in fractured cherty iron formation and cherty tuffs. Gold may be in native form in sometimes spectacular concentrations.
- (2) With fine to coarse arsenopyrite, pyrite and silver in conformable siliceous quartz-carbonate zones.



LEGEND

-  6 Channel Anomaly
-  5 Channel Anomaly
- Anomaly Letter  B114 Apparent Conductivity - Width
-  1800 Ch. 2 Amplitude, pp.m.
-  50 Magnetic Correlation
- 25 Gamma Contour Line 
- 50 Gamma Contour Line 
- 100 Gamma Contour Line 
- 500 Gamma Contour Line 

Airborne Electromagnetic and Total Intensity Magnetic Survey, Red Lake Area, Map D, District of Kenora; by Questor Surveys Limited, for the Ontario Geological Survey, Prelim. Map P.1574.

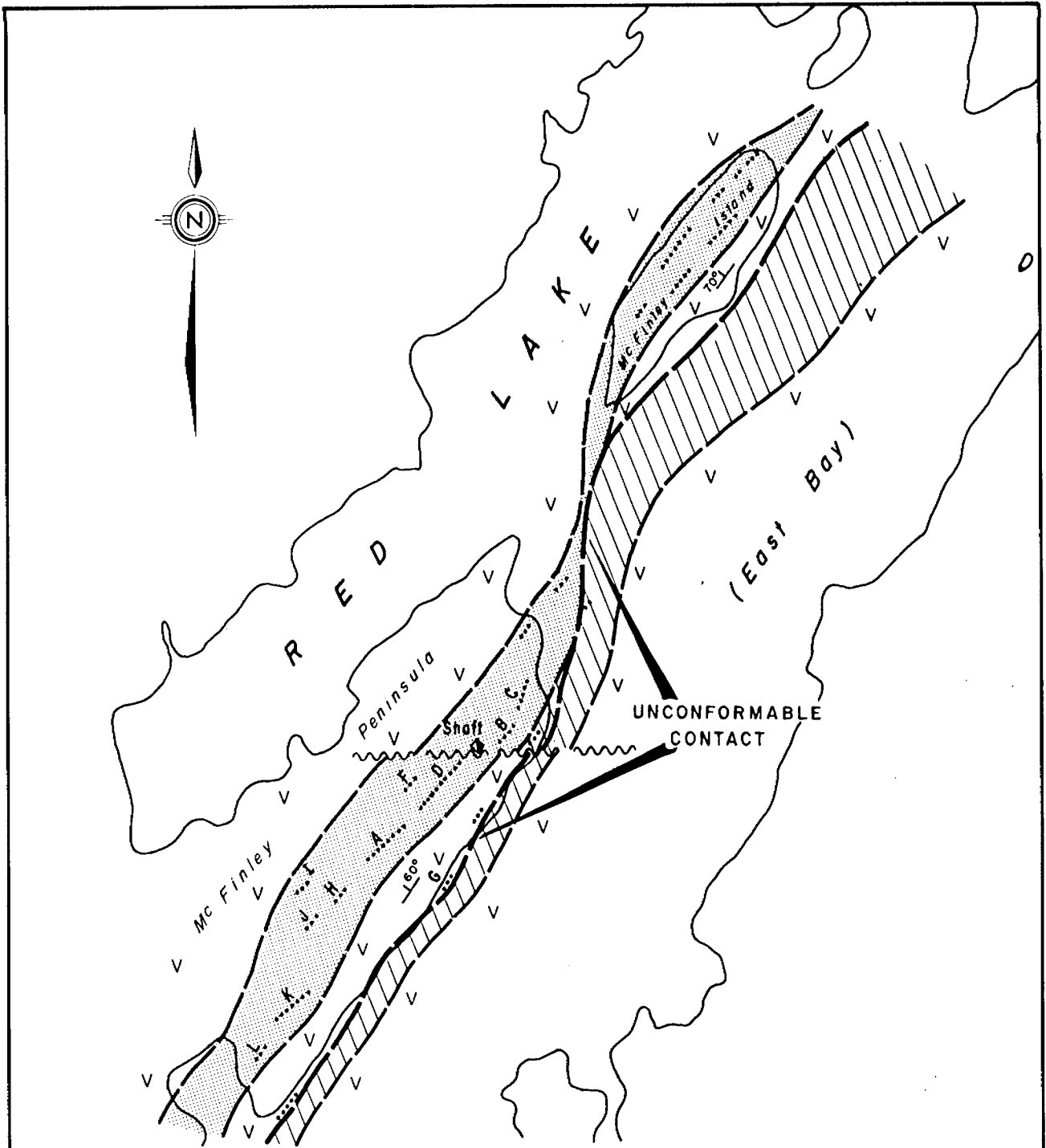
FIG. 4

AEROGEOPHYSICAL PLAN OF THE EAST BAY AREA OF RED LAKE

BATEMAN TWP., ONTARIO



Scale 1: 20,000



LEGEND

-  Known Gold Zone
-  Dominantly Metasediments, Iron Fmn.
-  Dominantly Mafic Volcanics
-  Talc Chlorite Schist
-  Fault

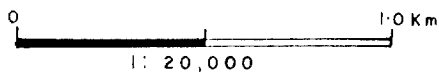


FIG. 5

<p>SABINA INDUSTRIES LTD. AND MC FINLEY MINES LTD.</p>	
<p>MC FINLEY RED LAKE PROPERTY</p>	
<p>BATEMAN TWP., RED LAKE AREA</p>	
<p>INTERPRETIVE GEOLOGICAL PLAN</p>	
<p>JULY, 1983</p>	<p>G.M. HOGG & ASSOCIATES LTD.</p>

- (3) With near-massive sulphide mineralization proximal to or within iron formation. Sphalerite and/or galena are generally present in some quantity. Such zones appear stratabound, and are believed of sedimentary origin. This may be a variant of the first type.
- (4) With fine pyrite-pyrrhotite-arsenopyrite mineralization in gently-dipping to flat quartz-carbonate zones. These appear to be non-conformable and may attain considerable thicknesses.

Two main areas of gold concentration are known. One of these lies along the eastern side of the McFinley Peninsula, and has been traced over a strike distance of about 6,000 feet. It contains mineralization of types 1 and 2. The second area lies along the northwestern side of McFinley Island, and appears to contain mineralization of types 1, 2 and 4. It has been traced over a strike distance of about 3,000 feet.

Spatially the mineralized quartz-carbonate material (type 2) of the peninsula area is very closely related to the contact between talc-chlorite schist and the overlying volcanic-sedimentary complex. In general it appears low grade, but sampling locations within it are infrequent and widely spaced. Essentially the zone follows the lakeshore as indicated on Map No. 1 (in pocket).

The iron formation-associated gold mineralization in the peninsula area (type 1) lies within 800 feet of the talc-chlorite schist contact. Zones are repeated stratigraphically, and thus three or four auriferous cherty horizons may be encountered across strike in a mineralized area. This is indicated on Map No. 1 (in pocket), and in Figure 6 (Section 7+00S). It appears that the lowermost iron formation horizon, that lying about 300 feet NE of the talc-chlorite schist contact, is the best mineralized and most continuous of these horizons.

The McFinley Island area is less well known, but appears to contain

substantially mineralized zones of essentially the same character as those of the peninsula area. The nature and extent of the transgressive quartz-carbonate zones (type 4) known to exist in this location are not fully understood at this time.

EXPLORATION RESULTS

An outline of early work completed on the McFinley Red Lake property has been given in a previous section, and will not be repeated here. The first program of direct significance to current operations is that completed by McFinley Red Lake Gold Mines Ltd. from March, 1944, to November, 1946, and the extent and results of exploratory efforts since that time will be reviewed in the following text.

The McFinley Red Lake Gold Mines program of the 1944-46 period consisted of an extensive drilling program carried out on the iron formation and quartz-carbonate zones of the McFinley Peninsula and McFinley Island areas. A total of 102 holes were completed comprising 48,598 feet of diamond drilling at that time. This drilling resulted in the identification of 12 mineralized zones containing significant gold values.

The results of this program are outlined in a report by W.R. Newman, Ph.D., which is included with this report as Appendix I. Dr. Newman noted the problem in delineating ore shoots and zonal continuity from drill data, exemplified by the Campbell and Dickenson deposits, and recommended an underground bulk sampling program for the McFinley property. The Campbell and Dickenson mines are located in a similar geological environment to that of the East Bay area, and attained their first production in 1949 and 1948, respectively.

The shaft location suggested by Dr. Newman was within claim KRL 246 on the McFinley Peninsula, close to the "B" and "D" zones as identified by surface drilling.

In 1956 Little Long Lac interests optioned the McFinley property, and proceeded with an underground evaluation program more or less as recommended by Dr. Newman. The program was carried out under the direction of Mr. P.J. MacCarthy. It involved the sinking of a shaft to a depth of 423 feet, with levels at depths of 150 feet, 275 feet and 400 feet. A total of 779 feet of drifting and 579 feet of crosscutting were completed on the 150' Level and the 400' Level (see Figure 7, and Map No. 1, in pocket), and 2,935 feet of underground diamond drilling carried out. Three short raises (totalling 40 feet) were also completed at the southern extremity of the 150' Level, within what is known as the "D" zone.

The results of this underground program were considered insufficiently encouraging, and the operation was terminated in July, 1957. In fact, however, the program did not constitute an adequate test of either the "D" or "B" mineralized zones as defined by surface drilling for the following reasons:

1. The drifting along zonal strike was carried out mainly on the 150' Level. It was directed along a persistent quartz-carbonate vein system in meta-andesite lying in the hanging wall of the main mineralized iron formation horizon. This quartz-carbonate vein in the "D" zone area averaged 0.13 oz.Au/ton over a 4.0 foot width for a length of 50 feet, a sub-ore grade at the time.
2. The mineralized iron formation was largely ignored, but on the recommendation of E.G. Bishop, a consultant to the program, some drifting and minimal raising were completed within iron formation at the southern extremity of the 155W drift. Chip sampling in these raises (3 raises at 20 foot spacing, at an approximate length of 15 feet) yielded values from 0.04 oz.Au/ton over 4.8 feet, to 0.63 oz./ton over 5.8 feet. Back sampling in the iron formation, and underground drilling in this area also yielded significant values in gold. The area was not further evaluated.
3. Inspection of surface drilling results, and underground data, suggests that the shaft location lies in a cross-faulted area in which gold values are erratically distributed and generally of low tenor. The southern extremity of the 150' Level drift appears to be just entering the well-mineralized portion of the "D" zone. The westerly crosscut on the 400' Level lies wholly within the relatively poorly mineralized area.

With the termination of the underground evaluation program in 1957, the property lay dormant until the inception of the Sabina program in 1974. This program involved the drilling of 25 holes for a total of approximately 10,000 feet. Most of these holes were located on the McFinley Peninsula, confirming and further delimiting the extent of the previously indicated iron formation and quartz carbonate gold-bearing zones.

In 1981, R.J. Mongeau completed a study of the available data on the McFinley property, and the Summary from this report is included herein as Appendix II. In this report R.J. Mongeau notes the inadequacy of the 1956-57 underground evaluation program, and the geological similarities which exist between the McFinley and Campbell-Dickenson areas. The writer is in accord with these views.

During 1982 a combined electromagnetic and magnetic ground survey was completed over the central part of the property by John Betz Limited on behalf of Sabina/McFinley interests. A number of strongly conductive zones were defined, several of which were untested in prior exploration. Considering the known presence of rather extensive zones of zinc-lead-silver mineralization in the area, these qualified as interesting base metal targets warranting drill testing (see Map No. 2, in pocket). In addition, R.J. Mongeau had previously recommended some more closely spaced drilling to the north and south of the McFinley shaft, lying within areas defined as magnetically active by the Betz survey.

A test drilling program was accordingly undertaken by Sabina and McFinley in early 1983, under the supervision of Mr. J.F. Whitton. This program is in the final stage, and to the end of July, 1983, a total of 33 holes comprising a drilling footage of 12,046 feet had been completed. The first 14 holes of this program were drilled on outlying conductors, and the balance on auriferous iron formation and quartz carbonate zones in the McFinley shaft area.

The outlying conductors tested did not prove of immediate economic interest, but the drilling to the north and south of the McFinley shaft intersected excellent gold values. Four holes drilled on the 7+00S section of the "D" zone area, for example, confirmed the presence of a strong zone of iron formation-associated gold mineralization extending from surface to a 400 foot depth at a -57° W dip (see Figure 6). A later hole, 83-21, was drilled on the 5+00S section, and intersected the main "D" zone at a depth of 510 feet below surface. This intersection yielded a value of 0.372 oz.Au/ton over a core length of 12.6 feet, representing the deepest test of the mineralized structure completed thus far.

A compilation of pertinent drilling locations with significant gold intersections noted is shown on Map No. 1 (in pocket). Complete assay data for recent drilling has not yet been received, but this compilation illustrates clearly the high frequency of substantial gold values encountered to the north and south of the shaft location. The locations of various identified gold zones ("A" through "L") are shown in Figure 5, extending over a strike distance of about one mile on the McFinley Peninsula. However, it is the area extending about 1,000 feet to the north and 2,000 feet to the south of the shaft which is of particular interest at this time.

Within the iron formation-bearing metasediments in this area gold occurs associated with a normally sulphide-rich, cherty facies of the iron formation. Several such zones may be intersected in a given drill hole, this multiplicity being clearly indicated in Figure 6. Accurate zonal projection of gold values from drill data is thus a matter of concern.

While such projection is problematical, certain geological features suggest that reasonable continuity of strong gold values likely exists. In reference to Figure 6, it is apparent that the most easterly iron formation/chert unit (that lying close to the contact between the meta-sedimentary complex and the underlying metavolcanics) is consistently

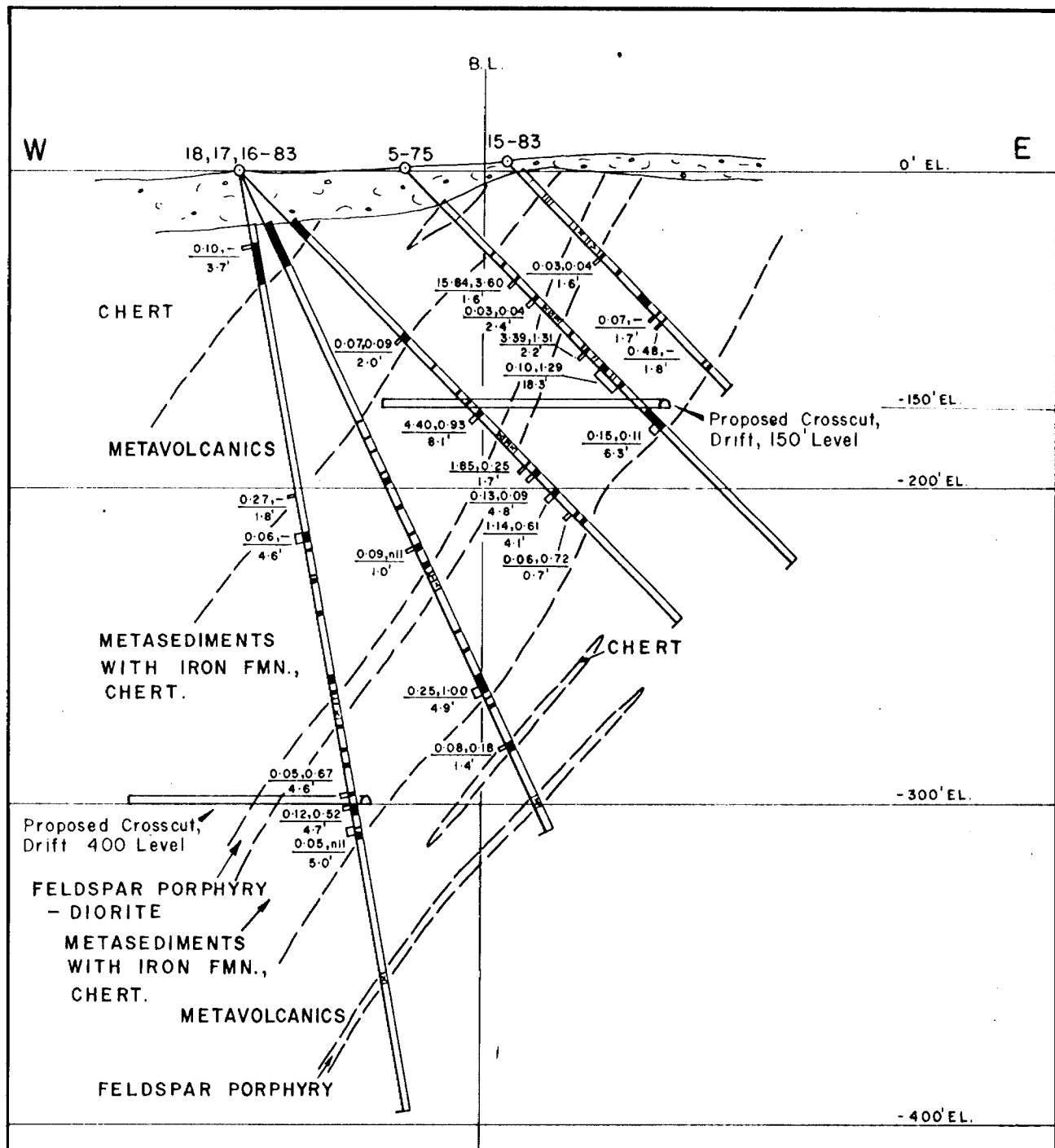


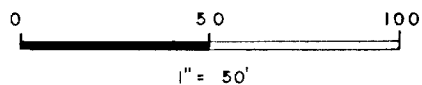


FIG. 6

-  Diamond Drill Hole
-  Iron Formation, Chert
- $\frac{0.20, 0.53}{4.9'}$ oz. Au/ton, oz. Ag/ton
Core Length (ft)



SABINA INDUSTRIES LTD. AND MC FINLEY MINES LTD.
MC FINLEY RED LAKE PROPERTY
BATEMAN TWP., RED LAKE AREA
DRILL SECTION 7+00S
JULY, 1983 G.M. HOGG & ASSOCIATES LTD.

auriferous and essentially continuous. It is recognizable by its unusually high content of arsenopyrite and other sulphides, as well as its stratigraphic position. It constitutes the "D" zone to the south of the shaft, and is that horizon minimally tested at the south end of the 150' Level during the latter stages of the 1956-57 underground program.

The recent drilling on the McFinley Peninsula has been mainly directed to the evaluation of iron formation-associated gold zones. However, the presence of the auriferous quartz carbonate horizon in the north peninsula area has been confirmed.

RESERVE ESTIMATES

The estimation of ore reserves on the basis of drill data in the iron formation/metasediment environment of the McFinley property is possible only at a low confidence level. This is chiefly because of (1) the noted uncertainties in zonal configuration, and (2) the erratic distribution of native gold mineralization.

Difficulties in zonal projection on the basis of surface drill data have been discussed in the previous section, and need not be repeated here. In respect to native gold distribution, much of it occurs in localized fracture-controlled concentrations of sometimes spectacular proportions which can easily be missed in the small sample area of a diamond drill core. Thus very good grade areas may yield only low assays on analysis of drill samples, producing an unrealistically low average grade figure for an ore reserve block. Obviously the reverse situation may also occur.

Similar difficulties in zonal projection and grade determination are experienced in the higher grade areas of the Campbell Red Lake mine. In this operation a drill hole intersection of 0.05 oz.Au/ton in such an area is considered significant, and will normally be followed up by

exploratory drifting and/or closely spaced underground drilling. It is also noted that a sequential system of cutting high grade analyses is effective in assessing zonal grade. That is, a 15 oz.Au/ton value will be cut to 10 oz.Au/ton, a 10 oz.Au/ton value will be cut to 5 oz.Au/ton, etcetera, for overall grade estimation purposes. Normal cutting practice of bringing all higher grade assay values to 1 oz.Au/ton has been found inaccurate on an operational basis.

In his report of March 30, 1981, R.J. Mongeau tentatively estimated a potential drill-indicated reserve of 167,992 tons grading 0.46 oz.Au/ton and 1.36 oz.Ag/ton (uncut) to a depth of 325 feet in the area south of the McFinley shaft. Applying normal cutting procedures to the higher gold values, the grade is reduced to 0.18 oz.Au/ton and 1.36 oz.Ag/ton (see Appendix II).

With the benefit of subsequent drilling data this estimate was revised on August 22, 1983, including three reasonably defined zones to the south of the shaft, and extending zonal depth to approximately 500 feet below surface (see Appendix III). Recognizing the difficulties inherent in reserve estimation in such an environment, the resulting estimate is termed a drill-indicated and/or potential mineral inventory. This defines the presence of the mineralized material, but implies no judgement on its profitable extraction at the indicated tonnage and grade levels.

This drill-indicated and potential mineral inventory is estimated at 426,374 tons, grading 0.44 oz.Au/ton and 1.09 oz.Ag/ton (uncut). This is calculated on an undiluted basis, at a tonnage factor of 10.0 cubic feet per ton. The longitudinal sections used in this calculation are included with this report as Exhibits 1, 2 and 3 (in pocket). It will be noted that no estimates have currently been developed for the area north of the shaft, where several high grade gold intersections have been reported.

In respect to other possible sources of inaccuracy and contamination in data assimilation, our visit to the property and assay facility showed exploratory procedures and methods utilized to be fully adequate and knowlegeably applied. Accordingly, subject to the limitations noted in respect to zonal continuity and grade, and the concept of a mineral inventory as defined, the writer is in accord with the recent estimates prepared by R.J. Mongeau (Appendix III).

INTERPRETIVE CONSIDERATIONS

In the Ontario Geological Survey Miscellaneous Paper 110, 1983 (pg.111), Andrews and Wallace note the stratigraphic and general geological similarities existing between the Campbell/Dickenson, Wilanour and McFinley areas. In the view of the writer, these mineralized areas are stratigraphically equivalent, lying at a deformed paleosurface interface on which gold was originally concentrated by sedimentary processes.

The major depositional surface, or "break", is that defined by the contact between underlying mafic to ultramafic volcanics, and overlying metasediments, including tuffaceous units and various facies of iron formation. Gold and associated materials have been deposited at this interface, and within metasediments proximal to it, in paleobasins and channels of varying extent and configuration. Various levels of redistribution of constituents followed, depending on local conditions of metamorphism.

The McFinley area is characterized by the presence of unusually extensive zinc and lead sulphide mineralization, as well as the strong development of the oxide facies of iron formation. Otherwise, the character and tenor of gold mineralization appears quite similar to that of the Campbell/Dickenson area in particular.

In reference to Figure 5, the McFinley depositional area extends from the

southern end of the McFinley Peninsula to the north end of McFinley Island. Between the peninsula and the island a structural irregularity is evident, which may be an original paleosurface irregularity, a monoclinical fold structure, or a faulted area. In any case, past drilling and trenching have clearly indicated the location of depositional areas of potential economic significance.

Inspection of magnetic data in relation to gold distribution reveals an interesting relationship (Maps 1 and 2, in pocket). Gold within the meta-sediments is apparently very closely associated depositionally with the oxide facies of the iron formation in the area. Hence the shaft location, lying within a magnetically low area, was not found to be highly auriferous. Both the north and south drifts of the 150' Level were just entering magnetically active areas on termination of the underground program in 1957, and unfortunately were not continued. In retrospect, and fully supported by factual data, these areas constitute the prime exploration targets of the north peninsula.

Finally, in respect to strike and dip extension of the various mineralized zones, we see no evidence of gross limitation.

EVALUATION PROGRAM

GENERAL CONSIDERATIONS:

The McFinley Red Lake property contains a number of gold bearing zones, both iron formation-associated and within quartz carbonate rock. These occurrences have been evaluated to varying degrees by surface drilling. During the 1956-57 period underground evaluation of the "D" and "B" zones in the northern portion of the McFinley Peninsula was attempted.

While untested or poorly tested areas along strike of known mineralized zones remain within the property, exploration efforts in such areas are not believed warranted at this time. The major current requirement is considered to be the thorough underground evaluation of the mineralized zones in the northern peninsula area.

For such a program the existing shaft facility may be utilized on rehabilitation. It reaches a depth of 423 feet, and has established levels at 150 feet, 275 feet and 400 feet. It is of adequate size (20'x 8', with 3 compartments), and has a concrete collar which appears to be in good condition. No headframe or other surface installation remains.

As indicated in Figure 7 workings exist on the 150' Level and the 400' Level. Drifts extend 200 feet north and 300 feet south of the shaft on the 150' Level, and a crosscut extends a distance of approximately 300 feet west of the shaft on the 400' Level. The drift and crosscut dimensions are not known, but are assumed to be about 6 feet x 8 feet.

The shaft and underground workings can be used in the evaluation of the "D" and "B" zone areas, and a nearby quartz carbonate zone as well.

PROGRAM OUTLINE:

The suggested program involves the extension of the 150' Level and the 400' Level along the main mineralized iron formation horizon to the 6+00 N and 10+00S sections. A drift would also be carried northeast on the 400' Level to gain access to the persistently mineralized quartz carbonate zone in this area. From these openings crosscuts should be driven at appropriate locations to allow sampling of the various mineralized zones, and to provide drilling stations. The general plan is illustrated in Figure 7.

Provision is also made for raising on strongly mineralized zones, which will test vertical continuity, and provide additional bulk sample material. Exploratory drilling below the 400' Level may also be considered, but should be held subordinate to the evaluation of the zones above this level. At least one raise should be extended to surface to provide ventilation and secondary access.

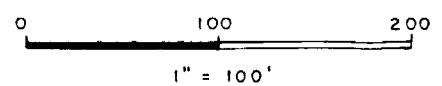
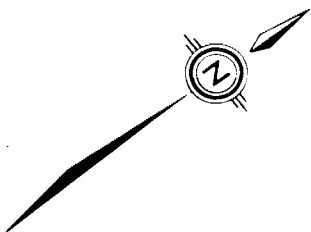
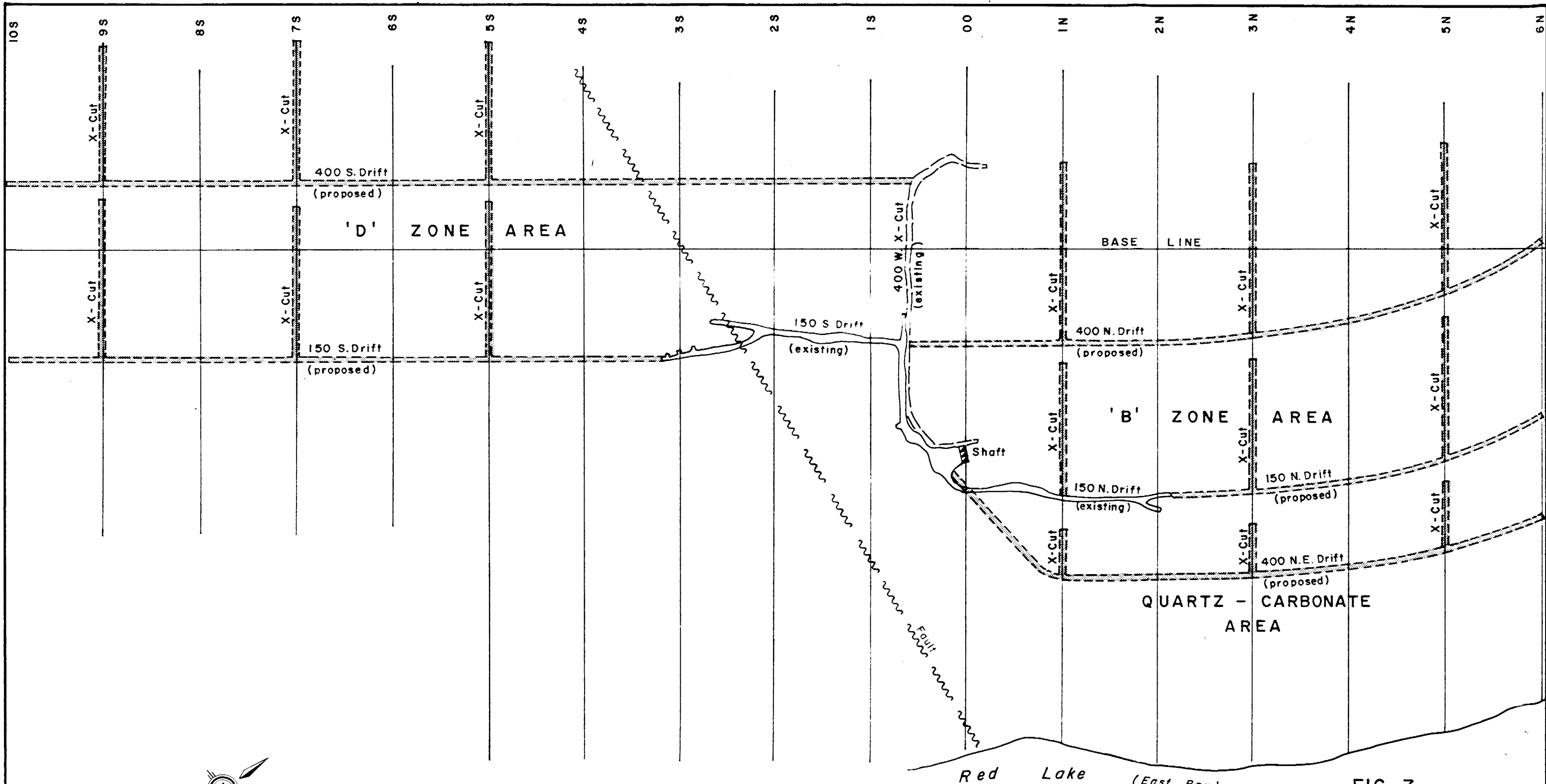


FIG. 7

<p>SABINA INDUSTRIES LTD. AND Mc FINLEY MINES LTD.</p> <p>Mc FINLEY RED LAKE PROPERTY</p> <p>BATEMAN TWP., RED LAKE AREA PLAN OF EXISTING AND PROPOSED UNDERGROUND WORKINGS, SHAFT AREA</p> <p><small>JULY, 1983 G.M. HOGG & ASSOCIATES LTD.</small></p>

It is assumed that Sabina and McFinley will contract the bulk of the underground work, but will require an experienced project manager and geologist. Road access must also be improved to facilitate the operation.

The program outline is as follows, and it is estimated that it will require 10 months for completion. Cost estimates are developed in the following section.

1. Shaft Rehabilitation:

Requiring installation of headframe, hoisting equipment, air and water lines. Approximately 830,000 gallons of water must be pumped from the shaft and existing workings. Re-timbering may be required in the collar area.

2. Drifting:

150' Level-	North Drive to 6+00 N Section	400 ft.
	South Drive to 10+00 S Section	700 ft.
400' Level-	North Drive to 6+00 N Section	650 ft.
	South Drive to 10+00 S Section	950 ft.
	NE Drive to Quartz Carbonate Area	650 ft.
Total		3,350 ft.

3. <u>Crosscutting-</u>	150' Level North Drive	600 ft.
	150' Level South Drive	600 ft.
	400' Level North Drive	600 ft.
	400' Level South Drive	600 ft.
	400' Level NE Drive	300
Total		2,700 ft.

4. Raising- Total estimated footage 2,000 ft.

5. Underground Drilling-
Total estimated footage 7,500 ft.

ESTIMATED COST OF PROGRAM:

As firm bids on the foregoing work have not been requested from contractors, the estimated cost of the project must be based on current inquiry, and costs incurred on comparative operations. A major cost item to the project will be, of course, the hoisting facility and headframe, which are assumed available from an existing installation and to be purchased by the joint venture.

Accordingly, these estimates must be considered as approximations, but are of sufficient accuracy for initial financial planning.

It will be noted also that the project may benefit through application for governmental aid offered under the Ontario Mineral Exploratory Program Act, 1980.

The estimated cost of the proposed program is as follows:

Capital Costs-

Access road improvement.....	\$ 20,000
Site preparation.....	5,000
Office facility.....	25,000
Hoist & headframe (installed).....	450,000
Vehicles.....	12,000
Miscellaneous equipment.....	10,000
	<hr/>
Subtotal.....	\$ 522,000
Contingencies (@ 10%).....	52,200
	<hr/>
Total.....	\$ 574,200

Contract Costs (8 mo. period)-

Pumping & shaft rehabilitation.....	\$ 50,000
Power.....	100,000
Compressors.....	5,000
Hoist operation.....	3,000

Contract Costs (Cont.)-

Drifting (3350' @ \$90/ft.).....	\$ 301,500
Crosscutting (2700' @ \$90/ft.)....	243,000
Raising (2000' @ \$110/ft.).....	220,000
Drilling (7500' @ \$15/ft.).....	112,500
Supplies, equipment rental.....	200,000
Fees, misc. expense.....	250,000
	<hr/>
Subtotal.....	\$ 1,485,000
Contingencies (@ 10%)....	148,500
	<hr/>
Total.....	\$ 1,633,500

Operating Costs-

Management, supervision.....	\$ 50,000
Surveying, mapping.....	30,000
Sampling, labour.....	20,000
Sample preparation, assaying.....	50,000
Road maintenance.....	5,000
Administration.....	15,000
Miscellaneous operating expense..	40,000
	<hr/>
Subtotal.....	\$ 210,000
Contingencies (@ 10%)....	21,000
	<hr/>
Total.....	\$ 231,000

Total Costs-

Capital Costs.....	\$ 574,200
Contract Costs.....	1,633,500
Operating Costs.....	231,000
	<hr/>
Total Estimated Cost.....	\$ 2,438,700

CONCLUSIONS & RECOMMENDATIONS

The McFinley Red Lake property contains several gold prospects within a geological environment similar to that existing in some of the more successful mines of the Red Lake area. The greatest concentration of gold occurrences within the property lies on the McFinley Peninsula, extending northeast into the McFinley Island area.

The gold occurs associated with iron formation, generally in a cherty, sulphide-rich facies lying very close to a magnetite-rich facies. Herein gold is often noted in native form in rather spectacular concentrations, but of erratic distribution. Gold also occurs within quartz-carbonate zones at or close to the contact between talc chlorite schist and metasediments. It is believed stratabound, and of sedimentary origin.

Considerable surface drilling has been done on the property over a long period, the latest program having been undertaken by the Sabina-McFinley joint venture in 1983. This program has emphasised the close association of gold with the contact zone between talc chlorite schist and the metasediment-volcanic complex, provided a better understanding of existing structural conditions, and has yielded a number of very high grade gold intersections.

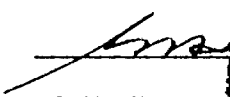
Because of the nature of gold distribution and structural complexities in deposits of the McFinley type, ore definition can only be adequately completed through underground exploration. The range and extent of gold values demonstrated by drilling to exist in the north peninsula area in particular warrant the implementation of such a program.


During the 1956-57 period an underground evaluation program was attempted, involving the sinking of a 423 foot shaft with workings on the 150' and 400' Levels. Unfortunately at the time the nature and distribution of gold mineralization was not well understood, and the program did not adequately test the potential of the major target zones. In fact, where mineralization was encountered in the desirable environment in the course of this work, substantial gold values were reported.

It is recommended that Sabina and McFinley proceed with an underground evaluation program to the north and south of the existing shaft area at this time. The existing shaft facility and underground workings may be utilized, with exploratory headings continued along favourable horizons on the 150' and 400' Levels. Thorough bulk sampling, wall and back sampling, and underground drilling are recommended on both iron formation- and quartz carbonate- associated gold bearing zones.

The suggested program is flexible in nature. It is estimated to cost \$ 2,438,700, and will require approximately 10 months for completion.

Respectfully Submitted,


G.M. Hogg, P.Eng.



REGISTERED PROFESSIONAL ENGINEER
G. M. HOGG
PROVINCE OF ONTARIO

CERTIFICATE OF QUALIFICATION

I, Glen M. Hogg, of the City of Toronto, County of York, in the Province of Ontario, Canada, do hereby certify that:

1. I am a Consulting Engineer, principal of the firm of G.M. Hogg & Associates Ltd., with an office located at 28 Thompson Avenue, Toronto, Ontario.
2. I am a member of the Association of Professional Engineers of the Province of Ontario, a registered Consulting Engineer with that organization, and designated as a Specialist in the Field of Geological Engineering, Classes of Exploration and Development, as per Regulation 59/73 of the Professional Engineers Act, RSO 1970.
3. I am a graduate of Queen's University of Kingston, Ontario, having received the degree of Master of Science in Geological Sciences from the Faculty of Applied Science in 1952. I have since practised professionally in the field of mineral exploration and development.
4. I have knowledge of, and experience in the region in which the McFinley Red Lake property is located.
5. In addition to my personal knowledge of the area, I have made use of the records of the Ministry of Natural Resources of Ontario, and those of the Sabina Industries Ltd. and McFinley Mines Ltd. in the preparation of this report. I examined the McFinley Red Lake property relevant to this study during the week of May 9th, 1983.
6. I have no interest, direct or indirect, in the property on which this report is written, nor do I expect to receive any.

Dated in Toronto, Ontario, this 29th day of August, 1983.

G.M. Hogg P. Eng.



APPENDIX I



52N04NE0028 63.4282 BATEMAN

020

G E O L O G I C A L R E P O R T

on the

MC FINLEY RED LAKE GOLD MINES
- LIMITED -

- b y -

W. R. NEWMAN
Ph. D.

December, 1946.



MC FINLEY RED LAKE GOLD MINES LIMITED

TABLE OF CONTENTS

	<u>Page</u>
Summary & Conclusions	
Introduction	1
Reports	3
Plans	3
Camps, Location & Accessibility	4
Topography	4
General Geology	6
Structural Relations & Genetic Features	9
Economic and Mining Possibilities	11
Economic Geology	12
Trenching	12
Peninsula Trenching	12
Long Island Trenching	12
Drilling	13
Peninsula Drilling	13
Ore Shoots	13
Long Island Drilling	15
Ice Drilling	15
Mineralization	15
Variation in Gold Assays	16
Silver Assays	16

McFinley Red Lake Gold Mines Limited
Table of Contents (Cont'd)

Shaft Site	16
Plant & Underground Development	18
Recommendations	18

Appendix 1	Summary of Drilling Footage
" 2	"Variations in Gold Assay Values in Diamond Drill Core and Sludges, McFinley Red Lake Gold Mines Ltd."
" 3	"Memo on Visit to Central Patricia."
" 4	Silver Assays on McFinley.

SUMMARY AND CONCLUSIONS

1. Geological mapping, trenching and drilling have revealed a favourable geological structure on the McFinley property.
2. A total of 48,597.8' of drilling has been completed on the property.
3. A regional fault striking down East Bay has produced marked topographical and structural features with associated talcose alteration, carbonatization, and sulphide and gold deposition in tension fractures in competent sediments, and shear zones in incompetent, altered and unaltered andesite.
4. Drilling on the peninsula has indicated 12 zones, totalling 1850' of ore shoots.

<u>Zone</u>	<u>Value at \$35.00 Gold</u>	<u>Width</u>	<u>Length</u>
A-	\$ 7.00	2.0'	300'
B	15.27	4.2'	250'
C	15.40	1.9'	100'
D	5.88	11.3	200'
E	22.40	1.5	100'
F	35.00	2.6	100'
G	35.00	2.0'	100'
H	6.50	10.7'	100'
I	21.70	3.0'	100'
J	24.71	4.9'	100'
K	6.84	4.2'	300'
L	17.63	4.9'	100'

Summary & Conclusions
(continued)

(5) Trenching and drilling on Long Island have proved the existence of an ore shoot averaging \$7.89 over 4.7' for a length of 420 and also have indicated the continuation of this ore shoot to depth from the limited drilling done to date.

(6) Gold assay values in the core and sludges have been proved to be highly variable. The gold is believed to be in the fine free state.

(7) Gold occurs on the McFinley in:

(a) Fractured iron formation and siliceous sediments.

(b) Massive sulphides.

(c) Blue mineralized quartz veins.

(8) Silver has been found in the McFinley ore zones in sufficient quantity to be recoverable.

(9) A shaft site based on topographical, geological and economic conditions, has been selected in the vicinity of the No. 3 post of claim KRL 246.

(10) A shaft-sinking program to the 500-foot level with a total of 2500 feet of drifting on the 250 and 500-foot levels is recommended, at an estimated cost of \$150,000.

(11) Some additional drilling on Long Island and K 1497 in the future, is recommended.

GEOLOGICAL REPORT

On the

McFINLEY RED LAKE GOLD MINES
- LIMITED -

INTRODUCTION

The purpose of this report is to summarize all information and work done on the McFinley property, with the greatest emphasis placed on the results of exploration, since the writer became the geologist for the company at the end of October, 1945.

The McFinley Red Lake Gold Mines Ltd. property consists of 25 claims in Bateman Township in the Red Lake Mining Division of the Patricia Portion, District of Kenora, in northwestern Ontario. The claims are located on the western side of the central portion of East Bay, an elongated bay on the northeast extremity of Red Lake.

The 25 claims are numbered as follows: K-1493, 1494, 1495, 1497, 1498, 1499; KRL 246, 247, 2155, 2156, 18152, 18373, 18374, 18375, 18376, 18377, 18457, 18514, 18515, 18519, 18735, 19273, 19561, 19654 and 19655. The property consists approximately of 60% land claims and 40% water claims. All the claims have been surveyed and are ready for immediate patenting.

Various groups of claims were acquired from December 1943 to April 1944, to form the McFinley company. A magnetometer survey of the northern half of the property covering Long Island and the water claims was completed in March 1944 by Mr. H. R. Buckles and Dr. R. Thomson. Drilling started on March 11th, 1944, and was stopped, for the time being, in November, 1946. Geological mapping of the property was done

in the fall of 1944 and spring of 1945, by Mr. P. Corking, and additional mapping and remapping was done by the writer during the summer and fall of 1946. Logging of the drill core was done by Dr. R. Thomson, Mr. W. P. Corking and the writer. The claims have been surveyed by the following land surveyors; Gallagher, Sewell and Bradshaw.

The greatest proportion of the land claims of the McFinley are located on a peninsula about 2000' wide and a little over a mile long, about a third of the way up on the western side of East Bay. Fifteen hundred feet to the northeast, an island 3000' long and about 1000' wide, is located. The island has been named Long Island. A smaller island is found about 800' north of Long Island, and is about 1000' long and 350' wide. A corner of the property juts out and includes about half a land claim on the north shore of East Narrows, at the northernmost extremity of the property.

Since drilling commenced on the property, a total of 48,597.8 feet of drilling has been completed. Of this amount, 34,291.9' has been drilled on the peninsula and 14,305.9' has been drilled on the Long Island. (Appendix 1).

The results of this drilling has revealed various ore shoots and possible indications of ore shoots. The future of the property is dependent on the underground development and exploration of these ore shoots.

The writer again wishes to express his appreciation for the splendid cooperation and direction given by Mr. H. R. Buckles, in charge of the management of the property. Mr. J. A. Cluff's surveying and engineering on the McFinley were of great assistance and value. Mr. Bob Fry, who was in charge of general operations on the property, during the period of most intensive exploration, did a very capable and efficient job.

REPORTS

- (1) H. C. Horwood - "Geology and Mineral Deposits of the Red Lake Area", 'McCallum Red Lake Mines Limited', pp 155-156, Ontario Dept of Mines, Vol 49, Part 2, 1940.
- (2) W. R. Newman - "Variations in Gold Assay Values in Diamond Drill Core and Sludges, McFinley Red Lake Gold Mines Ltd", March 1946 - Appendix 2.
- (3) W. R. Newman - "Memo on Visit to Central Patricia" - Comparison is made between McFinley geological conditions etc., with those existing at the Central Pat Mine; Sept 25th, 1946 - Appendix 3.

PLANS

- (1) Geological Plan of the McFinley 1" to 400'
- (2) " " " Peninsula 1" to 200'
- (3) " " " Long Island 1" to 200'
- (4) Geological Sections of Drill Holes M-1 to M-103 1" to 20'
- (5) Assay Plans of Drilling on Peninsula 1" to 40'
- (6) Horizontal Projection of Geology in Drill Holes on Peninsula 1" to 40'
- (7) Assay Plans of Trenching, Long Island, North and South Sections 1" to 40'
- (8) Plans of Trenches and Diamond Drill Holes on Long Island 1" to 40'
- (9) Magnetometer Survey, Northern Half of McFinley 1" to 200'
- (10) Surface Plan, Trenching & Drilling, "B" Zone 1" to 20'
- (11) Plan Showing Ore Zones 1" to 200'

In addition, numerous plans, sections, block diagrams and projections have been made by various individuals working on the McFinley, which are not included in the above list, but are stored with the McFinley plans in the Gold Eagle office on McKenzie Island. Other plans have been revised or had additions made, rendering the original plans obsolete.

Most of the plans listed above furnish definite information, that has been brought up to date, as far as possible. A few plans show results of work done on the property in the early days and where no subsequent work has been done.

CAMPS, LOCATION AND ACCESSIBILITY

The camps, which are about in the centre of the property, lie approximately $5\frac{1}{2}$ miles to the northeast of the village of McKenzie and about $8\frac{1}{2}$ miles by good water route from the village. Scows and large boats can supply the camps with no difficulty. A $3\frac{1}{2}$ -mile road could be built to join the McMarmac road, enabling road communication to be established with the airport and the Red Lake road to Kenora. Only $3\frac{1}{2}$ miles of bush would have to be cleared for the extension of the power line from the McMarmac.

A two storey building 32' x 22' x 16' is used as a combination cookery and bunk house. The bottom storey is built of logs, while the upper storey is of frame construction. An office building, 32' x 16' x 8', with a peaked roof, is divided, with the front section used as an office, and the smaller rear section used for logging and sampling core. Two core racks have been built nearby. Near the cookery two small log buildings have been built for use as an ice house and stores. Two wharves, a small one near the office and a large one adequate for heavy freight, near the cookery, service the property.

TOPOGRAPHY

The topographical features of the property will be discussed mainly in regard to these features on the peninsula, which forms the greater part of the land portion of the property. As mentioned previously, most of the property is composed of water claims.

The long narrow peninsula has very few outcrops in the interior. Outcrops abound along most of the shore-line. From the shore, the terrain slopes gradually until it reaches a height about 10 to 20' above lake level. A mantle of overburden forms an arched back on the centre of the peninsula. Running directly down the peninsula, a little to the west of centre, is a narrow swamp. This swamp is important in that it outlines the trend of the favourable mineralized zone. The swamp passes into Inore ground in a narrow gut-like bay on the west side of KRL 247 and K 1493. A small bay isolates claim K 1497 from the rest of the property. The mouth of a swampy stream and surrounding swamp on this claim is obviously a continuation of the peninsula swamp, indicating that the same structural conditions found on the McFinley and Inore, probably continue here. Fairly good stands of timber, mainly spruce and some poplar, with a little birch are prevalent in the south end of the peninsula. Around the camp site, clearing and wood-cutting have thinned out the available stands.

Rock outcrops are fairly abundant along the shore-line of Long Island. The centre of the island is gently arched up to a height of 10 to 15 feet above lake level. Overburden is not thick, and a long trench has been dug clear across the centre of the island, exposing bedrock.

The small island to the northeast of Long Island has a few outcrops along the east and west shore-lines and a light cover of overburden throughout most of the island.

On the mainland, on the land portion of claims KRL 18152 and 18515, a few outcrops are found along the shore-line. Small rocky islands are found on claims KRL 2156 and 18457. A reef is located on claim KRL 18377. M-79 was collared on this reef, when ice drilling was done during the winter of 1946.

GENERAL GEOLOGY

The geology of the property was mapped by W. P. Corking during the fall of 1944 and spring of 1945 on a scale of 200' to the inch. A compilation of the geology was made on a scale of 400' to the inch. The writer did additional mapping, during the summer of 1946, mainly on claim K-1497. Additional information of the topographical features, was obtained from the mapping and Inore and the original maps were revised. Some remapping and check-mapping was also done during the summer. Since most of the McFinley geology is based on outcrops exposed along the shore, it was planned to complete remapping the property in the late summer and fall, paying special attention to structure and to the sediments. Unfortunately, heavy rains in this period prevented the usual fall in the water level and rock outcrops were not exposed as well as hoped for, on the shore-line. Some check-mapping was done, but several important outcrops were under water this year, due to the high water level. Considerable new information, on the geological and structural conditions, has been obtained from the drilling done during the past year.

Andesite composes most of the rock outcrops on the various shore-lines. It is the typical light-green, fine-grained andesite. In places the rock is highly sheared forming a green andesite schist or chloritic schist. Sometimes pillow lavas or traces of pillow lavas are seen. An outcrop of sheared pillow lavas can be seen right in front of the office. Some of the surface outcrops show evidences of carbonatization.

In the drill core massive, fine-grained andesite often grades into a banded andesitic rock, which has been termed an andesite schist. In the mineralized zone, the andesite and andesite schist have been often highly carbonatized. The greater the degree of carbonatization, the

browner the rock appears. The highly carbonatized section is often associated with the gold values. Coarse andesite has been logged in the drill core. The coarse texture is due to hornblende phenocrysts which have been altered to chlorite. Pillow lavas have been seen in the drill core, the rims being quite distinct and of a lighter green colour than the andesite groundmass.

A light-grey acidic-looking rock occasionally seen in the core, has been logged as rhyolite. No definite intrusive contacts have been observed and it appeared to grade indefinitely into andesite. When sheared, this rhyolite has formed sericite schist. It is seldom highly mineralized, but sometimes carries gold. Small pink to orange garnets are irregularly distributed through the andesite and rhyolite.

Talc schist and talcose andesite are invariably intersected in the drilling near the East Bay shore-line. The ice drilling has proved that the greater part of East Bay is underlain by talcose andesite and talc schist. The dip of these talcose bodies is indefinite. In some cases, it follows the regional dip and in others, it appears to be flatter. Actually, the talc schist is probably in the form of indefinite fingers, in zones where talcose solutions permeated the country rock.

Sedimentary beds are found throughout the property. Some outcrop on the shore-line of the peninsula. Iron formation and other sedimentary beds have been exposed on the mainland and on Long Island by trenching. In drilling the mineralized zone along the length of the peninsula, numerous beds varying in thickness from a few inches to more than 20 feet of sediments have been observed. Amongst the different types of sediments seen, are iron formation, banded siliceous sediments, quartzites, chloritic slates, graywacke and tuffs.

Most of the iron formation found on the surface appears as a redd-

ish-banded rock, which is readily identified as iron formation. Actually, the reddish coloration is often due to the oxidation of contained sulphides. In the drill core, very little true iron formation has been logged. Magnetite and hematite are very uncommon. Chloritic bands, alternating with quartz bands, with a fair amount of pyrrhotite and very little magnetite have been logged as iron formation. From surface exposures and from projections of the drill core, it is evident that most of the bands of iron formation and other sediments consist of short lenticular bodies interbedded with the carbonatized andesites and schist. The best exposure of the iron formation is found on Long Island on K 1494. A good exposure is also seen on K 1494 on the peninsula. It is assumed that the more competent iron formation and sediments were fractured and the fractures filled with quartz and sulphides and gold-bearing solutions.

Banded siliceous sediments, the quartzitic bands alternating with chlorite, are commonly seen in the drill core. A good surface exposure is seen near the northeast corner of the shore on claim K 1499. Banded quartzites have been logged in the core. They are well-banded, as a rule, and consist of massive sedimentary white quartz.

Some coarse, fragmental, sedimentary material, poorly banded locally, has been mapped as tuffs. It varies in colour from a light buff to grey and green. The tuff sometimes grades into good andesite and occasionally into well-banded sediments.

A sedimentary outcrop, different from any seen elsewhere in this area is found on the east side of the finger-like peninsula on claim K 1498. It has weathered to a brownish colour and has an arenaceous appearance. Some trace of massive bedding can be detected. On fresh surface it is grey in colour and granular. The rock has been termed a graywacke.

Acidic dikes outcrop along the shore-line, on the peninsula and Long Island. Numerous acidic dikes had intruded the lavas and sediments observed in the drill core. The commonest types are aplites, quartz and feldspar porphyries. The aplites are fine-grained dikes varying from a greyish-white to light apple-green in colour. Quartz and feldspar porphyries are similar in colour but have quartz and feldspar phenocrysts throughout the groundmass. When sheared, sericite had formed producing different types of sericite schist.

Diorite dikes are fairly common in the drill core. The rock has a fresh, grey appearance and is usually well-crystallized. It is sometimes carbonatized. Some diorite outcrops on the eastern and western sides of the north end of the peninsula.

Black, fine-grained lamprophyre and basic dikes have been logged in most of the holes drilled. They have been carbonatized occasionally.

STRUCTURAL RELATIONS AND GEMETIC FEATURES

From the study of alteration and mineralization on five properties in East Bay, viz., McFinley, Inore, MacBuck, Beatrice and Abino; and from the study of the regional geology and diamond drilling, a fault is postulated striking down the length of East Bay.

There is very little direct evidence of this fault, from the displacement of formations or changes in regional structure. There is a slight difference in the geological sequence on the east side compared with the west side of East Bay. The west side has more intercalated sedimentary beds and more rock alteration.

East Bay itself, is a marked topographical feature, a depression

striking northeast. Most of the rock formations above the Abino property, bordering East Bay, strike consistently to the northeast and dip for the most part steeply to the northwest.

Considerable drilling from different properties and from the ice on East Bay has proved that the greater part of the bay is underlain by talc schist and talcose andesite. Fringing this zone of talc alteration, is a belt of carbonate alteration, which has been traced on the McFinley and Inore properties. Andesite and sheared andesite schists have been highly carbonatized. In the carbonatized zone interbedded sediments, such as iron formation, siliceous banded sediments and quartzite are found.

The regional features and degree of alteration are associated with this fault running along East Bay. Structural movement during the period of faulting created shearing strains and tensional fractures. The incompetent andesite sheared and produced andesite and chlorite schists. In the competent sediments, tensional fractures and openings were formed. Along the fault, hydrothermal solutions rose and permeated the country rock forming talc schist and talcose andesite in the neighbourhood of the fault. Sections of the talc schist seen in the drill core, resemble rock gouge and it is presumed that this material is close to the fault zone. Farther from the zone of faulting, the hydrothermal solutions reacted with and carbonatized the andesites and schists. Quartz solutions and sulphide-bearing solutions ascended the fault zone and penetrated the shears and fractures. These were deposited in the fracture and shear systems, produced during the period of faulting. In the tension fractures the solutions were deposited in sediments, resiliicifying the fractured sediments and depositing varying amounts of sulphides and gold. In the shear zones, the solutions formed quartz veins.

To recapitulate, a regional fault in East Bay has produced the marked topographical and structural features and associated talcose alteration, carbonatization, sulphide and gold mineralization, in this section of the Red Lake Camp.

The strike of schistosity, of sheared pillow lavas, quartz veins and sediments are consistently to the northeast, with few exceptions. In the drill core the dip of the sediments in the great majority of cases is approximately 20° across an average 45° dip of the drill hole. Occasionally some folding is seen in the sediments in the drill core, but folding is the exception rather than the rule.

In a number of drill holes (M-53 and M-55), the talc schist appears to be dipping flatter than the mineralized zone, but from study of later drilling it is believed that these flat dips are local and represent fingers or sections of talcose alteration inland. Eventually the talcose zones fade away and grade into unaltered rock.

Pyrrhotite is the commonest metallic mineral. Garnet is quite commonly found throughout the altered and unaltered andesites. These minerals are characteristic of high temperature conditions and occur mainly in shear zone deposits.

ECONOMIC AND MINING POSSIBILITIES

Surface trenching and a large program of diamond drilling has disclosed the presence of gold in the McFinley property. The drilling has proved also, the existence of commercial ore deposits in a series of shoots varying in length, width and grade. In the drilling, the gold values have proved to be erratic in distribution in the drill core. (Appendix 2). The gold is probably in the finely disseminated free state. Thus assays even from opposite halves of drill core, would vary in value. An estimation of average grade in the McFinley would be extremely

tricky and probably would require as complicated a method of sampling as at the Central Patricia Mine. (Appendix 3).

Numerous assays obtained in the drilling and not incorporated in an ore shoot should not be completely ignored, when underground work is under way. Many of these may be clues to or beginnings of ore shoots. It is extremely difficult at the present with the complicated nature of the gold distribution in this property to draw the line of what may be a potential ore shoot or only uncommercial values.

ECONOMIC GEOLOGY

The economic geology of the McFinley will be discussed under the headings of Trenching and Drilling.

Trenching:

Trenching was done on the property in the early days, on K 1499 on the peninsula on what became known as the "B" Zone. Extensive trenching on Long Island was done during the summer of 1944 and 1945.

Peninsula Trenching

The trenches which had been dug at an earlier date were cleared out on the section known as the "B" Zone. Iron formation was exposed with some shearing and quartz stringers but no significant assays were obtained. Earlier exploration on this zone had been done for galena but no important results were obtained.

Long Island Trenching

Considerable trenching on the island has exposed andesites, andesite schists, carbonatized andesite, bands of iron formation, siliceous sediments and dikes of quartz porphyry and diorite.

Channel sampling in the trenches has revealed an ore shoot on either side of the long trench dug across the island. Assays indicate a shoot in the iron formation exposed by the trenching over a length of 420'. The shoot averaged \$7.89 over a width of 4.7'.

Drilling

Of the 48,597.8' of drilling (Appendix 1), 32,823.2' was done on the peninsula, 10,897.9' was done on Long Island and 4,876.7' was ice drilling. Detailed records and logs of the drilling have been kept and sections and horizontal projections have been made of all the drill holes.

Peninsula Drilling

The most important results were obtained from the drilling done on the peninsula. Here a number of ore shoots of defferent lengths were indicated over an explored length of 3700'. The ore shoots have been termed zones following the terminology adopted previously on the property.

The grade and continuity of the ore zones were figured out and evaluated on the basis of geological and mineralogical correlation and gold assays. Quite a number of assays that could be included in ore shoots had to be ignored due to difficulties in correlation. Any future underground development will have to pay strict attention to all these apparently isolated assays.

Ore Shoots

The following is a list of the definitely known ore shoots:

<u>ZONE</u>	<u>VALUE AT \$35.00 GOLD</u>	<u>WIDTH</u>	<u>LENGTH</u>
A	\$ 7.00	2.0'	300'
B	15.27	4.2'	250'
C	15.40	1.9'	100'
D	5.88	11.3'	200'
E	22.40	1.5'	100'
F	35.00	2.6'	100'
G	35.00	2.0'	100'
H	6.50	10.7'	100'
I	21.70	3.0'	100'

Ore Shoots
(continued)

<u>ZONE</u>	<u>VALUE AT \$35.00 GOLD</u>	<u>WIDTH</u>	<u>LENGTH</u>
J	\$ 24.71	4.9'	100'
K	6.84	4.2'	300'
L	17.63	4.9'	100'

Some of the ore shoots are extended for a length of 100' on either side of a drill intersection. It is felt that the numerous intersections showing gold values in the drilling, justify this procedure. All assays over one ounce have been cut to the usual ounce figure in calculating the grade of the ore shoots. It should be pointed out that the "B" Zone, particularly, had a number of high grade assays, and the probable grade has been cut quite drastically by reducing these values to the 1-ounce figure.

The ore shoot known as the "K" Zone will pass into Inore ground at approximately 500' vertical depth. Nine feet of core were lost in 1-4 in the section immediately preceding the assay of \$7.00 over 1.9', used in calculating this ore shoot, thereby lowering the probable grade and width of this shoot.

A new ore shoot known as the "L" Zone lies partly in McFinley and partly in Inore. About 100' of this ore shoot, averaging \$17.63 over 4.9' is on the McFinley and will dip into Inore at an approximate vertical depth of 400'.

Intermediate drilling between the "B" and "D" Zones was not successful in linking up these shoots. M-100 had only very low values. M-101 had values ranging up to \$4.90 but did not extend or increase the "D" Zone materially. A sludge assay from M-101 from 330' to 340' assayed \$21.00, but there were no corresponding core assays. The assays in M-102 also proved to be marginal.

There are, therefore, 1850 feet of ore shoots indicated as a minimum,

by drilling on the peninsula. Estimates could be made on a possible tonnage per vertical foot, but it is felt that in a complex deposit such as the McFinley, with such a known irregularity in gold distribution (Appendix 2), that these calculations would not have much meaning. Underground exploration is required before an adequate method of sampling the deposit could be figured out.

Long Island Drilling

Drilling in the centre of the island underneath the surface trenching, which revealed an ore shoot in iron formation, has indicated the existence of a possible ore shoot at depth over a length of about 100 feet. More drilling will have to be done here to determine the possibilities of this section.

Ice Drilling

Ice drilling has revealed the widespread distribution of talc schist and talcose andesite in East Bay. The highest assay recorded in any of the holes was \$8.40 over 5' in M-75. An assay of interest was the \$4.20 over 2.1' obtained in M-4 at the bottom of the hole, just before the drill had to be taken off the ice, due to deterioration of ice conditions.

Mineralization

Pyrrhotite is the most abundant metallic mineral on the McFinley, followed by pyrite, arsenopyrite (massive and fine needle variety), sphalerite, chalcopyrite, galena and magnetite. V. G. has been seen but is not common. No definite association of gold with any specific mineral has been observed.

Blue quartz is the most favourable vein material. Grey quartz sometimes contains gold. The white quartz is usually barren. Carbonate vein material varies from grey to light green in colour. Garnets are found distributed throughout the altered and unaltered andesites.

In an examination of a polished section by Mr. W. W. Moorhouse of the Mineralogy Department of the University of Toronto, three minerals were identified, dominant arsenopyrite, pyrite and a little sphalerite. The order of crystallization was as follows:

1. Arsenopyrite
2. Pyrite
3. Sphalerite

The assemblage of minerals found on the McFinley suggests high temperature mineralogical conditions.

Gold is found in three types of occurrences on the property:

- (1) In fractured and banded iron formation or sediments containing sulphides.
- (2) In massive sulphides completely replacing banded iron formation or siliceous sediment.
- (3) In blue quartz veins, containing sulphides and occasionally V.G.

Variation in the Gold Assays

A special report was written on the discrepancies encountered in variation of gold assays in the McFinley ore, which should be referred to in connection with gold distribution on the McFinley. (Appendix 2).

Silver Assays

Silver values have been revealed in assays on a number of occasions. (Appendix 4). The highest silver assays are obtained usually in the massive sulphides. The highest value assayed was 8.1 ozs. Ag., to the ton. It would appear that it would be feasible to recover economic amounts of silver if the McFinley were to reach the production stage.

Shaft Site

Two deep, steep holes, M-98 and M-99, were drilled, primarily to obtain information about a shaft site. In both holes talc schist was found. In M-98, a talc chlorite schist was cut from 837.3 to 918.0' and talc schist was intersected from 931' to 942.3'. In M-99, talc schist was cut from 738.4' to 835.8'. From the study of other holes, the talc schist

is interpreted as being in the form of protruding fingers and irregular lenses, rather than dipping flatly across the regional dip. These talc bodies have been known to follow folds, but in the relatively regular McFinley structure, they appear to be fairly irregular. The talc schist zone tends to disappear away from the shore-line of East Bay. In any event 100' of talc schist would not be an insuperable handicap in shaft sinking.

As a tentative site for a shaft location, the area in the immediate vicinity of No. 3 post of KRL 246 is recommended for the following reasons:

- (1) It is on high ground to the west of the swamp.
- (2) The site is on the hanging-wall side of the ore zone.
- (3) About 400' to 500' of cross-cutting would be required to intersect the zone.
- (4) Intersections of talc schist should be relatively negligible in this area.
- (5) The rich "B" Zone would be in the immediate vicinity to the southeast of the shaft.
- (6) "D" Zone could also be explored without too much expensive drifting.

PLANNED UNDERGROUND DEVELOPMENT

Through the courtesy of Mr. H. R. Buckles, the following figures, assembled by him, give the estimated costs of an initial program of underground development on the McFinley.

Buildings and Headframe	\$25,000.00
Mining Plant (Diesel, Compressor, Hoist, etc)	25,000.00
Shaft - 500' @\$100 per foot	50,000.00
Development 2500' @ \$20 per foot	<u>50,000.00</u>

TOTAL COST \$150,000.00

This program envisages doing 1250' of drifting and cross-cutting on the 250' level and 1250' on the 500' level. The program would be quite adequate to start underground exploration. The great length of the McFinley property involves planning for a much larger program than most properties preparing to go underground, and eventually several shafts will be required if underground development goes ahead.

Mr. Buckles' figures are very reasonable and would appear to be practical, as any underground exploration by the McKenzie on the McFinley could undoubtedly be done much cheaper than by other parties, as the McKenzie facilities, engineering and mining staff would be available.

RECOMMENDATIONS

The following recommendations are based on the necessity that the McFinley must be explored underground to determine its future economic potentialities. Some additional recommendations are made also in regard to drilling and acquisition of claims.

(1) Underground development on as large a scale as feasible is required now that a drilling program has indicated the presence of 12 ore shoots over a drilled length of 3700' on the peninsula of the McFinley property.

(2) A site for a shaft has been selected near the No. 3 post of claim KRL 246, for topographic, geological and economical mining reasons.

(3) A minimum program of 500' of sinking and 1250' of drifting on each of the 250 and 500-foot levels would be required to initially explore the "B" and "D" Zone ore shoots.

(4) The total cost of this initial exploration program has been estimated at \$150,000.

(5) Additional drilling could be planned eventually for future exploration.

(a) Claim 1497

Topographical features and geological conditions indicate that the McFinley-Inore structure continues across this claim. A program of 1500' of drilling would be sufficient to determine the economic possibilities of the claim.

(b) Long Island Drilling

Additional drilling is required to extend the ore shoot indicated in the centre of Long Island. A minimum program of 2000' of drilling should be planned.

(6) Since claim K1497 will be difficult to develop by the McFinley, and since this is potentially a valuable claim for the Inore property, consideration should be given to the possibility of a deal with Inore Gold Mines Ltd.

(7) As an alternative recommendation, it is suggested that the possibility of eventually acquiring claims KRL 2755 and 2756 from the Inore, be considered. Since the ore shoots known as the "K" Zone and "L" Zone dip into Inore property, and since favourable structure remains to be drilled on KRL 2756, these claims have great merit and value for the McFinley property.

APPENDIX II

Summary from "Report , Sabina Industries Limited,
McFinley Mines Limited, Bateman Township, Red Lake
Mining Division, Ontario", R.J. Mongeau, March 30, 1981.

The McFinley gold property held jointly by Sabina Industries Limited (60%) and McFinley Mines Limited (40%) is considered to be one of the more promising, undeveloped gold prospects in the prolific Red Lake gold camp. The 26 claim property is located 4 miles due north of the Campbell Red Lake Mine and 4 miles northeasterly of the formerly producing Cochenour Willans Gold Mine which is now held by Wilanour Resources and is being rehabilitated and readied for production.

During the mid-1940's a major diamond drilling program consisting of 48,540 feet was conducted on the property. Twenty-two (22) gold bearing shoots were outlined along two parallel northeasterly striking gold-bearing structures along a strike length of 3 miles. The westerly structure consists of gold-silver-bearing base-metal iron formation considered to be the same geological horizon as that of the Wilanour (Cochenour) mine, whereas the easterly structure is a strong gold-silver-bearing quartz carbonate and silicified zone located in the hangingwall of a wide talc-chlorite-carbonate schist zone which trends northeasterly in East Bay. The latter structure is similar to the gold-bearing quartz-carbonate zones found at both the Campbell Red Lake and Dickenson Mines.

In the mid-1950's control of the property passed to Little Long Lac Gold Mines Limited and an underground development program consisting of limited drifting, crosscutting and drilling was carried out on three levels from a 423 foot shaft.

The shaft was sunk on what seemed to be the most promising gold-bearing shoot "D". Much of the work carried out underground was in drifting along a narrow quartz vein on the 150 foot level. Very little work was directed towards the iron formation zone lying adjacent to the quartz vein.

Consulting geologist Dr. Newman in 1948 pointed out the difficulties in correlating and interpreting gold values from the iron formation and suggested bulk sampling. Consulting geologist E.G. Bishop recommended an underground bulk sampling program in 1957 just before the underground operation was terminated, but this was not carried out, presumably due to economic conditions and the gold prices then prevailing.

The 25 drill hole program carried out by Sabina Industries in 1975 was successful in confirming previous drilling sections, extending known gold mineralization, delineating new gold-bearing structures and establishing the presence of significant silver values. One surface drill hole oriented to cut the "D" iron formation zone 50 feet south from the end of the 155 W drift intersected a 14.1 foot section assaying 1.44 ounce gold per ton, 0.50 ounce silver per ton and 1.23% zinc. Visible gold was observed in the iron formation. This confirms the excellent gold values in the iron formation.

Sufficient shallow drilling has been carried out on two zones near the shaft to permit preliminary undiluted ore reserves to be estimated down to a depth of about 325 feet. The results are shown below:

<u>ZONE</u>	<u>AVERAGE WIDTH (FT.)</u>	<u>TONS</u>	<u>Au oz./ton</u>	<u>Ag oz./ton</u>	
D	9.2	128,167	0.31	1.20	Au values uncut
	9.2	128,167	0.15	1.20	Au values cut to 1 oz.
I	5.3	39,825	0.94	1.87	Au values uncut
	5.3	39,825	0.27	1.87	Au values cut to 1 oz.
Total		167,992	0.46	1.36	Au values uncut
		167,992	0.18	1.36	Au values cut to 1 oz.

Ore reserves estimated from surface drilling in the Red Lake camp have proven in the past to be generally unreliable and therefore we consider the above reserve estimates to be in the possible category until bulk sampling and close-space underground drilling is conducted on these zones.

APPENDIX III

APPENDIX IIIStatement of Mineral Inventory Lying South of the
McFinley Shaft, East Bay of Red Lake, Ontario.

R.J. Mongeau

August 22, 1983

McFinley Mines Limited and Sabina Industries Limited have recently completed a surface drilling program of approximately 13,000 feet on their McFinley Red Lake property located in the Red Lake camp. Based on this additional drilling an up-dated mineral inventory has been prepared, superseding my preliminary reserve statement of March 30, 1981.

This mineral inventory includes a newly discovered, high grade gold-bearing zone known as the Da Zone. This zone is characterized by an abundance of coarse, visible gold, is parallel to the main D Zone, and lies approximately 100 feet stratigraphically above it (to the west). Also, a potential ore area has been identified extending from a depth of 325 feet to about 500 feet, based on deeper drilling results.

The estimated Mineral Inventory is tabulated below:

D Zone: (Shaft Area and South Extension)

	Tons	Ounces/Ton (Uncut)	
		Gold	Silver
Drill Indicated-South Area	40,866	0.94	1.88
Drill Indicated-Shaft Area	200,390	0.26	1.03
Potential - Shaft Area	166,000	0.26	1.03
Subtotal	407,256	0.33	1.12

<u>Da Zone:</u>	<u>Ounces/Ton (Uncut)</u>		
	<u>Tons</u>	<u>Gold</u>	<u>Silver</u>
Drill Indicated, 7+00S	13,478	2.92	0.50
Drill Indicated, 5+00S	960	0.34	0.36
Potential- 7+00S	4,680	2.75	0.49
Subtotal	19,118	2.75	0.49
TOTAL	426,374	0.44	1.09


The above tonnages are undiluted, and calculated at an average zone width of 8.4 ft., at a tonnage factor of 10.0 cu. ft./ton. Refer to Longitudinal Sections 1, 2 and 3 for details.

As to zonal continuity, the D Zone has been drilled at centers spaced at 50 to 150 feet over a length of about 700 feet, and to a depth of about 350 feet. Sampling points below this depth are infrequent. This mineralized horizon is believed identifiable stratigraphically, and so considered continuous over these limits, pinching and swelling on strike and dip. The D Zone alone accounts for 86 percent of the tonnage estimated in the Mineral Inventory.

In respect to grade calculation the traditional practice of decreasing all 1.00+ oz.Au/ton assays to 1.00 oz.Au/ton has been found highly misleading in the deposits of the Red Lake camp, especially those of the northeastern part of the area. This is because of the common presence of very rich but erratic concentrations of gold in some zones, which exercise an unusually high degree of influence on actual mining grades. Where the condition exists, as it appears to in the McFinley zones under consideration, traditional cutting practice will likely introduce serious negative errors in grade calculation. For the purposes of this Mineral Inventory, therefore, uncut gold values only are used.

Recognizing the areas under consideration as geologically complex and difficult to assess in terms of grade, we have classed the calculated tonnage and grade as a Mineral Inventory in both drill-indicated and potential categories. The drill-indicated category is documented by a number of drill intersections, while the potential category is derived mainly through projection.

The term Mineral Inventory indicates the presence of ore grade material in the noted proportions, but denotes the lack of necessary data required for the firm definition of an ore reserve. Such data can best be acquired through underground evaluation of the area.

A handwritten signature in black ink, appearing to be 'R.J. Mongeau', written over a horizontal line. The signature is stylized and cursive.

R.J. Mongeau

ADDENDUM TO REPORT ON THE
THE McFINLEY RED LAKE GOLD PROPERTY
OF AUGUST 29, 1983.

September 29, 1983

G.M. Hogg & Associates Ltd.,
28 Thompson Avenue,
Toronto, Ontario

This report may not be reproduced, in whole or in part,
without the written permission of G.M. Hogg & Associates Ltd.

TABLE OF CONTENTS

	<u>Page</u>
Introduction.....	1
Drilling in the "C" Zone Area.....	1
General Considerations.....	1
Assay Results.....	2
Geological Features.....	3
Conclusions.....	4

Plans & Figures

	<u>Following Page</u>
Figure A- General Location Plan.....	1
Figure B- Drill Location Plan.....	2

Exhibits

Exhibit I - Summary of Log of Diamond Drill Hole 83-26.	
------------------------------------------------------------	--

INTRODUCTION

Since completion of our report on the McFinley Red Lake gold property of August 29, 1983, additional drilling results have become available on the area lying north of the McFinley shaft. Specifically these new data relate to holes 83-26, 83-32 and 83-33, which have been drilled on the McFinley "C" zone as indicated in Figure A.

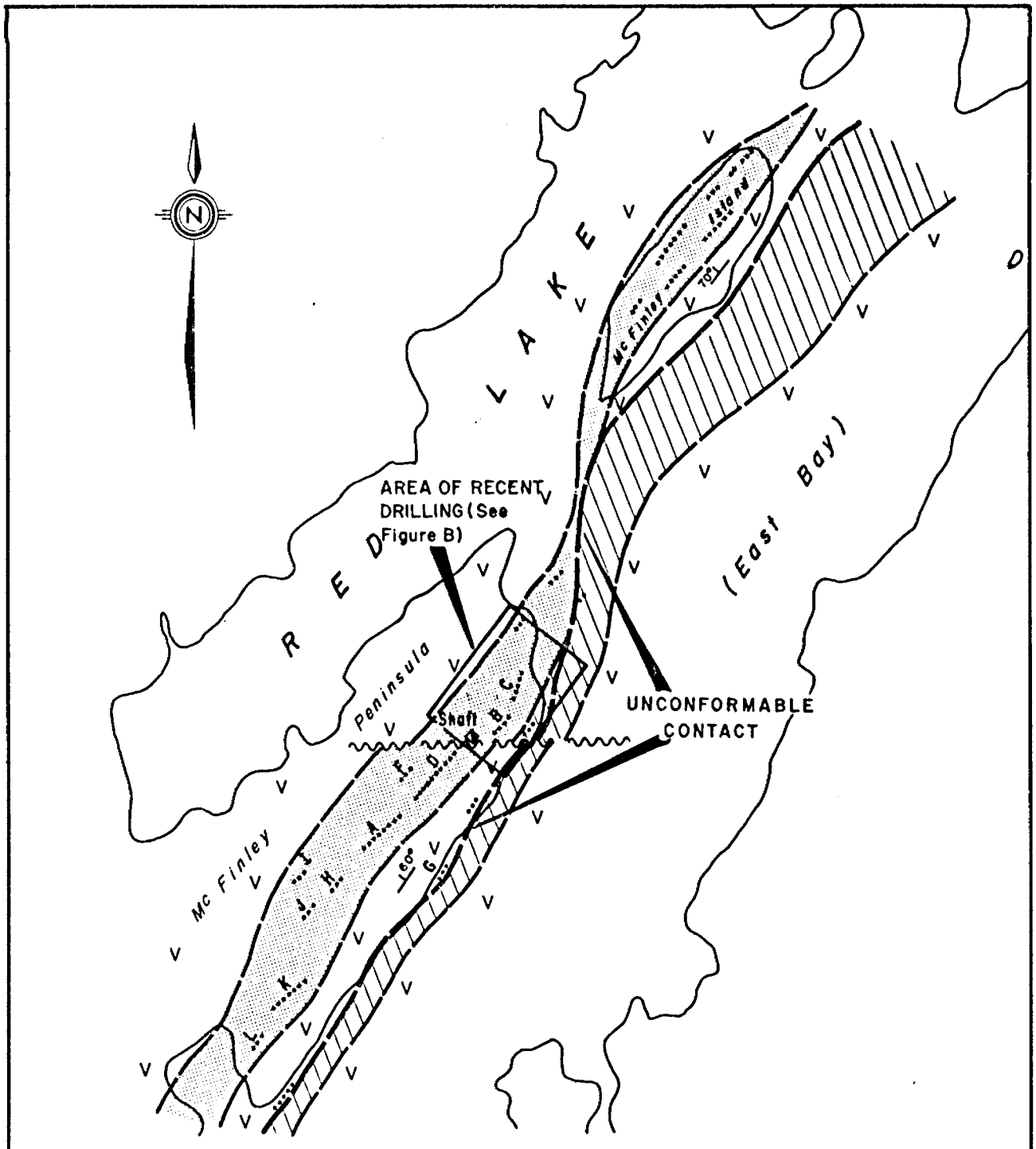
In terms of geological knowledge and assay results these holes are considered significant, and are confirmatory to the conclusions and recommendations set forth in our earlier report. Accordingly, they warrant treatment in addendum form.

Details of property location, geology, etcetera, are given in the report of August 29, 1983, and are not repeated herein. Attention is directed to sections on Reserve Estimates (page 14), and Interpretive Considerations (page 16) of that report, however, which are of particular relevance in the consideration of this new information.

DRILLING IN THE "C" ZONE AREA

GENERAL CONSIDERATIONS:

During the McFinley Red Lake Gold Mines Ltd. drilling program of 1944-46, holes 68, 70, 72, 80 and 81 were drilled in the the northern peninsula area, to the north of the subsequent underground development limits on the 150' Level. All of these holes were drilled on a grid east bearing (Azimuth 135°) at a dip of -45°, and most were extended through the mineralized volcanic-metasedimentary complex to the contact with



LEGEND

- Known Gold Zone
- Dominantly Metasediments, Iron Fmn.
- V Dominantly Mafic Volcanics
- Talc Chlorite Schist
- Fault

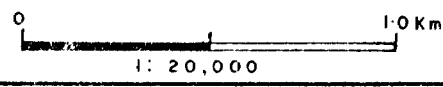


FIGURE A

SABINA INDUSTRIES LTD. AND MC FINLEY MINES LTD.
MC FINLEY RED LAKE PROPERTY
BATEMAN TWP., RED LAKE AREA
LOCATION PLAN
SEPT, 1983 G.M. HOGG & ASSOCIATES LTD.

underlying talc chlorite schist. These hole locations are shown in Figure B.

Gold values, generally of low tenor, were reported from all of these holes. Gold and silver were noted as mainly associated with sulphide-rich cherty iron formation which occurs intercalated with mafic volcanics and tuffaceous metasediments.

During 1983 three additional test holes were drilled in this same area at the following locations (see Figure B):

<u>Hole No.</u>	<u>Grid Location</u>	<u>Azimuth</u>	<u>Dip</u>	<u>Depth (ft.)</u>
83-26	4+00N, 0+60E	76°	-50°	933.0
83-32	5+20N, 0+00 (B.L.)	135°	-45°	452.9
83-33	6+20N, 0+00 (B.L.)	135°	-45°	413.5

ASSAY RESULTS:

As in the earlier drilling the 1983 holes intersected a number of auriferous zones associated with sulphide-rich cherty iron formation within the volcanic-metasedimentary complex. Most of the reported gold values lie, perhaps predictably, in the 0.01 to 0.10 oz.Au/ton range, but some proved particularly interesting. Among these were the following:

<u>Hole No.</u>	<u>Intersection (ft.)</u>	<u>Core Length(ft.)</u>	<u>Au oz./ton</u>	<u>Ag oz./ton</u>	<u>Checked (Av.Val.)</u>
83-26*	195.0 - 197.0	2.0	6.41 (vg)	1.59	x
	754.0 - 756.0	2.0	0.22	0.16	
83-32	47.0 - 49.0	2.0	0.015 (vg)	0.405	x
	296.8 - 300.5	3.7	0.33	nil	
83-33	55.0 - 57.0	2.0	99.22 (vg)	13.83	x

* Summary of the log of hole 83-26 is included herein as Exhibit I.

Note that vg notation indicates visible gold was observed in the core.

In reference to Figure B it will be noted that zonal projection suggests the presence of a series of auriferous zones within the volcanic-metasedimentary complex, lying subparallel to the base line. The reason the better gold values encountered in drilling should be concentrated in the area between 5+00N and 7+00N is not clear at this time.

The inherent difficulties in zonal sampling by drilling noted in our report of August 29, 1983, are well illustrated by these results. The 6.41 oz.Au/ton intersection in hole 83-26, for example, is closely matched by a 0.05 oz.Au/ton intersection in hole 83-32. This relates to the erratic distribution of gold in this environment, and the very small area of effective sampling of a drill core. It is for this reason that a drill intersection in the 0.05 oz.Au/ton range will often prompt underground evaluation of the location at the Campbell Red Lake mine.

Also, in hole 83-32 a small amount of visible gold in chert was noted at a hole depth of 49.0 feet. Either in the sampling or assaying procedure this gold was excluded, and a very low assay return was recorded.

Finally, in hole 83-26, a relatively deep intersection of 0.22 oz.Au/ton over a 2.0 foot core length was reported (hole depth 754.0 feet). It lies in an altered zone well within the talc chlorite schist. This is a virtually unexplored area, and the significance of the intersection is unknown at present.

GEOLOGICAL FEATURES:

For the most part the results of the "C" zone drilling define a geological environment very similar to that existing in the "D" zone area south of the McFinley shaft. However, as shown in Figure B, a well-defined irregularity occurs along the main contact between the talc chlorite schist

and the overlying volcanic-metasedimentary complex in the vicinity of line 7+00N. In Figure B the trace of this contact as shown is projected to a 300 foot depth from drill information at a 60°W formational dip.

Prior to the completion of the 1983 drilling this contact was interpreted as a relatively regular interface swinging to the north in the northern peninsula area. However, hole 83-26 in particular identifies a rather sharp irregularity in this area. It may be produced by cross-faulting, folding, or as a remanent depositional irregularity in the original paleo-surface.

The significance of this irregularity in respect to gold distribution, if any, is unknown. However, as noted, higher gold values have been encountered in drilling in this vicinity.

CONCLUSIONS

The "C" zone drilling has yielded very encouraging assay results, and has revealed the presence of a structural irregularity which may be of significance in gold distribution in the general area. It also provides additional justification for the proposed underground exploratory program to the north of the McFinley shaft.

In respect to the program as recommended in our report of August 29, 1983, no modifications are suggested as a result of the availability of this additional information.

Respectfully Submitted,



G.M. Hogg, P.Eng.



EXHIBIT I

Summary of Log of Drill
Hole 83-26

EXHIBIT ISummary of Log of Drill Hole 83-26, McFinley Peninsula

Hole Location: 4+00'N, 0+60'E (McFinley Grid)
 Direction: Azimuth 76°
 Dip: -50° (-43° at depth of 933.0 ft.)
 Depth: 933.0 ft.
 Logged by: J.F. Whitton

<u>Hole Depth (ft)</u>	<u>Formation</u>
0.0 - 13.8	Casing.
13.8 - 143.2	Basaltic flow, minor quartz-carbonate veining (qcv).
143.2 - 149.8	Diorite.
149.8 - 181.5	Basaltic flow, minor qcv as above.
181.5 - 200.2	Cherty iron formation, chloritic and magnetite-rich sections with common qcv. Occasionally garnetiferous and often mineralized with pyrite, pyrrhotite, and arsenopyrite. 181.5-188.0- 0.045 oz.Au/ton; 0.125oz.Ag/ton/ 6.5' 189.1-195.2- Biotitic volcanics, chert, qcv. 195.0-197.0- 6.41 oz.Au/ton; 1.59 oz.Ag/ton/ 2.0' (vg)
200.2 - 310.7	Biotitic volcanics. Numerous cherty and silicified bands and veinlets up to 2 feet in width. Sulphide mineralization common within them. This may be a tuffaceous rock with sedimentary interbeds.
310.7 - 320.3	Quartz feldspar porphyry.
320.3 - 329.0	Biotitic volcanics as above.
329.0 - 333.6	Diorite, possibly a coarse flow.
333.6 - 335.8	Biotitic volcanics as above.
335.8 - 347.2	Cherty iron formation, sulphide mineralization. Gold values trace to 0.04 oz.Au/ton.
347.2 - 448.6	Biotitic volcanics as above. 394.6-402.0 Cherty quartz carbonate zone, Au values 0.08 oz.Au/ton to trace. At 442.0 rock becomes more chloritic with only localized boitite development.

448.6 - 464.2	Talc carbonate zone
464.2 - 754.1	Talc chlorite schist, some qcv veining. Rock is carbonate-rich.
754.1 - 817.2	Biotitic to chloritic volcanics. Some qcv and siliceous zones with green mica. 754.0-756.0 Quartz carbonate zone with minor sulphide min. Assay 0.22 oz.Au/ton and 0.16 oz.Ag/ton/ 2.0'. 777.8-793.6 Siliceous zone with green mica, tr.Cpy.
817.2 - 933.0	Talc chlorite schist.
933.0	End of hole.

DIAMOND DRILL RECORD

63.4282

NAME OF PROPERTY McFinley
 HOLE NO. 83-1 LENGTH 695.8
 LOCATION Grid S. Side of McFinley Island
 LATITUDE L.49+00N DEPARTURE 9+00W
 ELEVATION On ice AZIMUTH Grid North DIP -45°
 STARTED 10/3/1983 FINISHED 15/3/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
39.4'	-46°				
295.4'	-37°				
571.1'	-31½°				
699.1'	-29½°				

HOLE NO. 83-1 SHEET NO. 1

REMARKS _____

LOGGED BY R.C.J.E.

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
0	29	CASING									
29	349.7	INTERMEDIATE TO BASIC VOLCANICS - Andesite Dark green fine grained massive, pillowed in part. Pillow veins contain brown carbonate, minor po & py. 47.2-49.1 Quartz carbonate vein - probably pillow vein - 49.2-54.2 Green quartz carbonate vein massive apparently parallel to core axis. Thins with depth. 117.6-119.0 Broken core. 119.0-143.0 Green, pillowed andesite as above. Some quartz carbonate veining throughout at high angle to core normal. 143.0-145.5 Quartz carbonate veining or interstitial material around pillow rims. Py and minor sphalerite.	67651		47.2	49.1	1.8			Au.	Ag.
			67652		49.1	51.3	2.2			.05	.02
			67653		51.3	54.2	2.9			.01	Tr.
										.01	.06
29	349.7	145.5-251.0 Dark green pillowed andesite. Brown biotite and carbonate around pillows with a little pyrite. Core is weakly sheared and veined throughout with quartz-carbonate. This shearing may be more apparent than real and may be cooling "rings" parallel to pillow rims. The brown carbonate would be "sweated out" of the flow into the pillow cooling fractures rims. 251.0-261.0 Brown carbonate alteration. 261.0-349.7 Green pillowed andesite as above. Brown pillow rims.									

LANGRIDGES - TORONTO - 366-1168

OM82-1-JV-186

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley

HOLE NO. 83-1

SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
349.7	355.0	<p>FELDSPAR PORPHYRY</p> <p>Contact at 60° to core normal. Grey, aphanitic, hard and much more siliceous than the enclosing flows. Corroded feldspar phenocrysts. Suggestion of pillow rims. May be a thin acid flow. Note the sulphides disseminated weakly through the rock and concentrated in veinlets and pillow rims(?). Py, sph, cpy and a silvery mineral - possibly galena or stibnite.</p>	67654		349.7	355.0	5.3			Au. .03	Ag. .31
355.0	450.0	<p>ANDESITE</p> <p>355.0-357.0 Fine grained, equigranular, brownish green andesite. 357.0-359.0 Weakly sheared and veined with quartz carbonate. 359.0-363.5 Brownish green andesite as above. 363.5-427.0 Green massive andesite. 427.0-437.7 Numerous quartz-carbonate veinlets with py, po and a little sph. 437.7-438.3 Small feldspar porphyry dyke. Contacts chilled at 60° to C/N. 441.5-442.0 Feldspar porphyry as above. 442.0-450.0 Granular massive andesite.</p>	67658		433.0	435.5	2.5			.06	1.30
450.0	458.2	<p>FELDSPAR PORPHYRY</p> <p>Sharp contact at 60° to C/N. Grey, siliceous fine grained matrix. Occasional feldspar phenocryst. Py, sph cpy in weak quantities in veinlets within the dyke and along contact. Sharp lower contact at 60° to C/N.</p>									
458.2	695.8	<p>ANDESITE</p> <p>458.2-480.0 Brownish medium grained andesite speckled texture as in andesite above. Brownish clots of biotite and chlorite. Decrease in grain size as lower contact approached. 480.0-640.0 Flow contact at 65° to C/N. Bluish green fine grained andesite. Some possible pillow structures. Good pillows developing beyond 490. Brown carbonate in concentric rings in pillows and on pillow veins. Weak quartz carbonate veining throughout.</p>									

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-1 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ TON	OZ TON	
					FROM	TO	TOTAL					
458.2	695.8	640.0-659.8 Grading into massive unpillowed andesite. 695.8-END CASING PULLED										
		<u>SLUDGE ASSAYS</u>										
		<u>Metres</u> <u>Feet</u>	<u>Au</u>	<u>Ag</u>	<u>Meters</u>	<u>Feet</u>	<u>Au</u>	<u>Ag</u>				
		12 - 15 39 - 49	Trace	.20	108 - 111	355 - 364	Trace	.24				
		15 - 18 49 - 59	.11	.05	111 - 114	364 - 374	Trace	Nil				
		18 - 21 59 - 69	.01	.41	114 - 117	374 - 384	Trace	Nil				
		21 - 24 69 - 79	.04	.34	117 - 120	384 - 394	Trace	Nil				
		24 - 27 79 - 89	.25	.53	120 - 123	394 - 404	Trace	.12				
		27 - 30 89 - 99	.02	.06	123 - 126	404 - 414	Trace	.14				
		30 - 33 99 - 108	Trace	Nil	126 - 129	414 - 423	Trace	.14				
		33 - 36 108 - 118	Trace	Nil	129 - 132	423 - 433	.01	.07				
		36 - 39 118 - 128	Trace	.64	132 - 135	433 - 443	Trace	Nil				
		39 - 42 128 - 138	Trace	.34	135 - 138	443 - 453	Trace	Nil				
		42 - 45 138 - 148	no sample		138 - 141	453 - 463	Trace	Nil				
		45 - 48 148 - 158	Trace	.30	141 - 144	463 - 473	Trace	.46				
		48 - 51 158 - 167	Trace	.22	144 - 147	473 - 483	Trace	.16				
		51 - 54 167 - 177	Trace	.34	147 - 150	483 - 492	Trace	.16				
		54 - 57 177 - 187	Trace	.20	150 - 153	492 - 502	Trace	.08				
		57 - 60 187 - 197	Trace	.32	153 - 156	502 - 512	Trace	.26				
		60 - 63 197 - 207	Trace	.30	156 - 159	512 - 522	Trace	.64				
		63 - 66 207 - 217	.02	.24	159 - 162	522 - 532	Trace	.44				
		66 - 69 217 - 227	Trace	.18	162 - 165	532 - 542	Trace	.14				
		69 - 72 227 - 236	Trace	Nil	165 - 168	542 - 551	.01	.35				
		72 - 75 236 - 246	Trace	Nil	168 - 171	551 - 561	Trace	.50				
		75 - 78 246 - 256	Trace	.22	171 - 174	561 - 571	.01	.29				
		78 - 81 256 - 266	Trace	.38	174 - 177	571 - 581	Trace	.34				
		81 - 84 266 - 276	Trace	.34	177 - 180	581 - 591	Trace	Nil				
		84 - 87 276 - 286	Trace	Nil	180 - 183	591 - 601	Trace	.48				
		87 - 90 286 - 295	Trace	.22	183 - 186	601 - 611	Trace	.20				
		90 - 93 295 - 305	Trace	Nil	186 - 189	611 - 620	Trace	Nil				
		93 - 96 305 - 315	Trace	Nil	189 - 192	620 - 630	Trace	.36				
		96 - 99 315 - 325	Trace	.06	192 - 195	630 - 640	Trace	.34				
		99 - 102 325 - 335	Trace	Nil	195 - 198	640 - 650	Trace	.20				
		102 - 105 335 - 345	.01	Nil	198 - 201	650 - 660	Trace	.52				
		105 - 108 345 - 355	no sample		201 - 204	660 - 670	Trace	Nil				
					204 - 207	670 - 680	Trace	Nil				
					207 - 210	680 - 689	Trace	Nil				
					210 - 212	689 - 696	Trace	Nil				

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-2 LENGTH 246.2' Casing Pulled
 LOCATION On KRL 526262 "D" Anomaly
 LATITUDE L.14+30N DEPARTURE 17+20W
 ELEVATION On ice AZIMUTH Grid South DIP -45°
 STARTED 16/3/1983 FINISHED 18/3/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
68.9	-46½°				
242.9	-46½°				

HOLE NO. 83-2 SHEET NO. 1 of 2

REMARKS _____

Drilled by St. Lambert

LOGGED BY R.C.JE & J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
0	67.5	CASING									
67.5	88.0	PILLOWED ANDESITES Medium to dark green fine grained relatively massive unit Py and Quartz Carbonate on selvages. 76.0-76.3 Quartz carbonate vein(?).									
88.0	94.0	BANDED TUFF Banded andesitic tuffs. Green-white and medium green bands 18°-20° CN. (Light coloration due to feldspars?).									
94.0	152.7	PILLOWED ANDESITES Medium to dark green pillowed andesites with selvages well defined in upper part. (Banding occasionally - the unit may be tuffaceous in part but could also be flow banded.) Upper contact "zone" of .3' at 45° indicates possible scoriaceous top to flow. Contains quartz carbonate, Py and acicular needles of a dark ferromagnesian mineral. Disseminated Py frequent on selvages. 105.0-105.3 Quartz carbonate vein. Bottom .5' mineralized - chiefly Po (possible sole of a flow).									
154.0	162.5	CHERT FORMATION Fine grained grey-white well banded chert and rhyolitic (acid) tuff 30°-35° CN. Occasional short sections of slumped (?) and contorted material. Bands of Py, Po minor sp and very minor Cpy. (This unit is possibly the beginning of the D2 E.M. Conductor.)									
162.5	179.0	PILLOWED ANDESITES 162.5-163.5 breccia cemented by quartz carbonate (possible flow top) grading into amygdaloidal andesite.									

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-2 SHEET NO. 2 of 2.

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ. TON	OZ. TON
					FROM	TO					TOTAL
162.5	179.0	163.5-165.0 Amygdaloidal andesite grading into massive andesite. 165.0-178.5 Medium to dark green massive fine grained pillowed andesite. 165-166 Note vein of black ferromagnesian mineral parallel to core axis. 178.5-179.0 Transitional base. 176-177 Note possible acid rock inclusion (from underlying strata?)								
179.0	185.5	CHERT FORMATION Similar to preceding formation (154-162.5). Banded sulphides 30°-35° CN. Chiefly Po, Py with minor Sp.								
185.5	197.0	ACID VOLCANICS Grey white fine grained to aphanitic unit with inclusions (crystals?) of a black ferromagnesian mineral elongated to plane of bedding(?) or schistosity. Disseminated Py throughout. (Possibly a welded tuff or acid flow - the black mineral suggests glass shards.)								
197.0	199.0	CHERT FORMATION Similar to unit at 154-162.5. Moderate to heavy Po Minor Py and infrequent Pcy and Sp.								
199.0	210.5	ACID VOLCANICS Similar to unit at 185.5-197.								
210.5	220.6	CHERT FORMATION Similar to unit at 154-162.5. Banded sulphides, Py, Po, minor Sp and specks of Cpy. Sharp basal contact.								
220.6	246.2	Quartz feldspar porphyry. Sharp fine grained contact at 30°-35° CN. Buff grey fine grained matrix with porphyritic quartz "eyes." Pink and white feldspar appear at 223' approximately. Unit becomes progressively more coarse grained. 246.2 END OF HOLE - CASING PULLED.								

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-2 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
		<u>SLUDGE ASSAYS</u>									
		<u>Metres</u>	<u>Feet</u>	<u>Au.</u>	<u>Ag.</u>						
		24-27	79-89	Tr.	Nil						
		27-30	89-98	to	to						
		30-33	98-108	end	end						
		33-36	108-118								
		36-39	118-128								
		39-42	128-138								
		42-45	138-148								
		45-48	148-157								
		48-51	157-167								
		51-54	167-177								
		54-57	177-187								
		57-60	187-197								
		60-63	197-207								
		63-66	107-217								
		66-69	217-226								
		69-72	226-236								
		72-75	236-246								

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-3 LENGTH 291' CASING PULLED
 LOCATION North Side of McFinley Peninsula on "D2" E.M. Anomaly
 LATITUDE L.8+00N DEPARTURE 15+00W
 ELEVATION On ice AZIMUTH Grid E. +5°N DIP -45°
 STARTED 21/3/1983 FINISHED 22/3/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
29.5'	45°				
281.1'	44°				

HOLE NO. 83-3 SHEET NO. 1

REMARKS _____

Drilled by St. Lambert

LOGGED BY R.C.J.E.&J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL				
0	19.5	CASING									
19.5	23.5	ANDESITES - PILLOWED Medium to dark green fine grained unit with a suggestion of pillow selvages throughout the unit. 20.5-22.1 Q.C. vein with inclusions of angular andesitic fragments - chloritised. (Possibly an intrapillow breccia.) Last .5' of unit foliated with minor Py mineralization. Foliation at 35° CN. Sharp contact at base.									
23.5	29.4	QUARTZ FELDSPAR PORPHYRY Medium gray matrix with white-gray phenocrysts of feldspars and quartz. Appears to contain shards. Fine grained top for 3-6" but then porphyritic to sharp contact at base. Disseminated Py present. Infrequent veinlets of Sp parallel to foliation at 30° CN.									
29.4	73.9	ANDESITES Medium to dark green unit. Fine grained at top and bottom but becoming coarsely crystalline in centre section. Irregularly shaped Q.C. crosscutting sequence - Q.C. veins include "fragments" of green chlorite. Veinlets of Sp at possible selvage. Frequent Py throughout. Tr. Cpy. Bottom 2.5' appears "schisted" or foliated as in the bottom of a flow. Appears quite biotitic.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-3 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
73.9	92.0	<p>QUARTZ FELDSPAR PORPHYRY</p> <p>Sharp contact with overlying at 20° CN.</p> <p>Some elongate quartz blebs and black shards - Ash flow tuff?</p> <p>Becomes somewhat less porphyritic towards bottom of unit where a sharp contact at 20° CN.</p>									
92.0	104.3	<p>ANDESITES</p> <p>Sharp contact with Q.P. 20° CN. Top 2' shows definite foliation or "schisting" with biotite.</p> <p>93.5-95.00 Short section with two "bands" of gray white siliceous material which includes blebs of green chlorite. Both bands contain 5%-10% Sp and are rimmed with green chloritic material with discrete garnet accumulated & crystals. Minor Py and Po.</p> <p>Suggestion of foliation continues to 96.5 approximately - gradational contact.</p> <p>Intermittent foliation continues to 104.3 - suggesting a tuff or ash flow. Contact defined at first chert unit in underlying unit. Last 2.3' becomes increasingly biotitic suggesting gradational contact. Note fuchsite in quartz veinlets close to contact.</p>									
104.3	116.5	<p>CHERT UNIT</p> <p>Bands of grey white chert and brown black "tuff" with banded sulphides - chiefly Py and Po with minor Sp and Tr. Cpy. Slumping or Scoria features noted at irregular intervals. Banding 20° CN. Heavy brown biotite common throughout unit. Base of unit defined at last chert band. Contact at 16° CN.</p>									
116.5	124.2	<p>ANDESITES</p> <p>Brownish dark green biotitised intermediate unit, definite foliation, tuffaceous?</p> <p>121.2-121.5 Q.F.P.dyke or agglomeratic bombs.</p> <p>121.7-128.3 Q.F.P.dyke or agglomeratic bombs. No chilled margin perceptible in Q.P., therefore possibly bombs.</p>									

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-3

SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ / TON	OZ / TON
					FROM	TO	TOTAL				
124.2	174.5	QUARTZ FELDSPAR PORPHYRY Frey white-buff coloured unit (sericitic?) quartz eyes and feldspar phenocrysts. Essentially massive but occasional foliation outlined by shards. (welded tuff?) Sharp basal contact at 30° CN.									
174.5	194.5	ANDESITES Medium to dark green highly chloritised unit with "free" silica. Possibly a chloritised acid volcanic ? or silicified intermediate. Dark green chloritic "phenocrysts" in a lighter matrix. 193.0-193.5 Band of disseminated Po & Py. Minor Sp. 1" massive sulphide band at 193.4. Biotitic unit.									
194.5	204	CHERT UNIT Contact defined at first chert band 20° CN. Grey-white chert inter-banded with dark gray "tuff." Occ. Po, Py and minor Sp in bands. Sharp basal contact at 20° CN.									
204.0	231.5	ACID TUFF Grey-white unit with small black shards - probably sericitic. Could be a sheared rhyolite. 220.0-221.6 Cherty intercalation. Minor Po, Py & Sp, sericitic.									
231.5	243.6	CHERT UNIT Similar to above unit - considerable biotitic alteration. Transitional basal contact over .5'.									
243.6	254.0	BRECCIA ZONE Angular chert and/or rhyolitic fragments randomly oriented. Biotite occasionally rimming fragments. Grades downwards into a finer Bx with a more obvious matrix of brownish-cream white carbonate. Biotitisation increases with depth.									
254.0	274.5	TRANSITIONAL CONTACT - PLASTIC INJECTION ZONE. Veins or veinlets of Q.C. "intruding" the heavily biotitic "welded tuff" unit. The ptygmatic veins appear to represent an insection of fluid while the host rock was still plastic. This feature becomes less apparent after 275' - biotitic alteration continues.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-3 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS																																																																																									
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ. TON	OZ. TON																																																																																					
				FROM	TO	TOTAL																																																																																									
274.5	291.1	<p>CHLORITE - CARBONATE ZONE</p> <p>Quartz carbonate and green chlorite veins start at 274.6 and increase considerably to a sharp contact at 282.5 where an essentially chlorite-carbonate zone begins.</p> <p>Heavy green chlorite with carbonate veins and minor biotite. Minor Cpy.</p> <p>289.5 Chlorite growth in acid volcanic host.</p> <p>291.1 E.O.H. CASING PULLED.</p> <p><u>SLUDGE ASSAYS</u></p> <table border="1"> <thead> <tr> <th>Metres</th> <th>Feet</th> <th>Au.</th> <th>Ag.</th> </tr> </thead> <tbody> <tr><td>9-12</td><td>30-39</td><td>Tr.</td><td>.22</td></tr> <tr><td>12-15</td><td>39-49</td><td>Tr.</td><td>.16</td></tr> <tr><td>15-18</td><td>49-59</td><td>Tr.</td><td>.36</td></tr> <tr><td>18-21</td><td>59-69</td><td>Tr.</td><td>Nil</td></tr> <tr><td>21-24</td><td>69-79</td><td>Tr.</td><td>Nil</td></tr> <tr><td>24-27</td><td>79-89</td><td>Tr.</td><td>Nil</td></tr> <tr><td>27-30</td><td>89-98</td><td>Tr.</td><td>.14</td></tr> <tr><td>30-33</td><td>98-108</td><td>Tr.</td><td>Nil</td></tr> <tr><td>33-36</td><td>108-118</td><td>Tr.</td><td>.26</td></tr> <tr><td>36-39</td><td>118-128</td><td>Tr.</td><td>Nil</td></tr> <tr><td>39-42</td><td>128-138</td><td>Tr.</td><td>Nil</td></tr> <tr><td>42-45</td><td>138-148</td><td>Tr.</td><td>.22</td></tr> <tr><td>45-48</td><td>148-157</td><td>Tr.</td><td>Nil</td></tr> <tr><td>48-51</td><td>157-167</td><td>Tr.</td><td>Nil</td></tr> <tr><td>51-54</td><td>167-177</td><td>Tr.</td><td>Nil</td></tr> <tr><td>54-57</td><td>177-187</td><td>Tr.</td><td>Nil</td></tr> <tr><td>57-60</td><td>187-197</td><td>Tr.</td><td>.26</td></tr> <tr><td>60-63</td><td>197-207</td><td>Tr.</td><td>Nil</td></tr> <tr><td>63-66</td><td>207-217</td><td>Tr.</td><td>.46</td></tr> <tr><td>66-69</td><td>217-226</td><td>Tr.</td><td>Nil</td></tr> </tbody> </table>	Metres	Feet	Au.	Ag.	9-12	30-39	Tr.	.22	12-15	39-49	Tr.	.16	15-18	49-59	Tr.	.36	18-21	59-69	Tr.	Nil	21-24	69-79	Tr.	Nil	24-27	79-89	Tr.	Nil	27-30	89-98	Tr.	.14	30-33	98-108	Tr.	Nil	33-36	108-118	Tr.	.26	36-39	118-128	Tr.	Nil	39-42	128-138	Tr.	Nil	42-45	138-148	Tr.	.22	45-48	148-157	Tr.	Nil	48-51	157-167	Tr.	Nil	51-54	167-177	Tr.	Nil	54-57	177-187	Tr.	Nil	57-60	187-197	Tr.	.26	60-63	197-207	Tr.	Nil	63-66	207-217	Tr.	.46	66-69	217-226	Tr.	Nil									
Metres	Feet	Au.	Ag.																																																																																												
9-12	30-39	Tr.	.22																																																																																												
12-15	39-49	Tr.	.16																																																																																												
15-18	49-59	Tr.	.36																																																																																												
18-21	59-69	Tr.	Nil																																																																																												
21-24	69-79	Tr.	Nil																																																																																												
24-27	79-89	Tr.	Nil																																																																																												
27-30	89-98	Tr.	.14																																																																																												
30-33	98-108	Tr.	Nil																																																																																												
33-36	108-118	Tr.	.26																																																																																												
36-39	118-128	Tr.	Nil																																																																																												
39-42	128-138	Tr.	Nil																																																																																												
42-45	138-148	Tr.	.22																																																																																												
45-48	148-157	Tr.	Nil																																																																																												
48-51	157-167	Tr.	Nil																																																																																												
51-54	167-177	Tr.	Nil																																																																																												
54-57	177-187	Tr.	Nil																																																																																												
57-60	187-197	Tr.	.26																																																																																												
60-63	197-207	Tr.	Nil																																																																																												
63-66	207-217	Tr.	.46																																																																																												
66-69	217-226	Tr.	Nil																																																																																												

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-3 SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ. TON	OZ. TON
				FROM	TO	TOTAL				
<u>SLUDGE ASSAYS</u>										
	<u>Metres</u>	<u>Feet</u>	<u>Au.</u>	<u>Ag.</u>						
	69-72	226-236	Tr.	.34						
	72-75	236-246	Tr.	.12						
	75-78	246-256	Tr.	.22						
	78-81	256-266	Tr.	.18						
	81-84	266-276	Tr.	.14						
	84-87	276-285	Tr.	.32						
	87-90	285-295	Tr.	.18						

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley
 HOLE NO. 83-4 LENGTH 190.5'
 LOCATION N. Side of Mainland on D_z Anomaly.
 LATITUDE L.6+00N DEPARTURE 15+00W
 ELEVATION On Ice AZIMUTH Grid South DIP -50°
 STARTED 22/3/1983 FINISHED 23/3/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 83-4 SHEET NO. 1
 REMARKS St. Lambert Drilling

LOGGED BY R.C.J.E. & J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL				
0	35.0	CASING									
35.0	92.5	INTERMEDIATE VOLCANICS - ANDESITES Medium to dark green banded volcanics, possibly tuffs, quite chloritic? Occasional bands of sulphide - chiefly Py, some Po. Banding 70° CN. 43-58 Unit becomes increasingly rich in brown biotite towards contact below. 43-57 Diffuse contact, strongly biotitic with associated quartz carbonate veins - occasional Fuchsite present in q.c.v. Section from 45.7-50.3 may represent a poorly developed cherty tuff horizon with banded minor sulphides and Fuchsite in q.c.v. 52.0-55.2 Colour change from brown to green. Coarser grain size 55.7-57.2 Sharp colour change from green to brown. Much finer grained. Possible welded tuff sequence. 57.7-68.7 Grain size increasing and colour changing from brown to green. Marked schistosity overall at 25° to C/N. 68.2-92.1 Sharp upper contact. Probably another ash flow or tuffaceous unit. Contact zone marked by quartz carbonate veins parallel to schistosity. Heavy green chlorite associated with veins. Schistosity decreases away from the contact and "tuff" grades into a massive, equigranular medium grained rock. Schistosity reappears at 90.5. 92.1-92.5 Sharp upper contact. Short section of mineralized cherty material, Py, Po and minor veinlets of Sp.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley
 HOLE NO. 83-4 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			Pb	Zn	ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Au.	Ag.	Cu.		
					FROM	TO	TOTAL				%	%	OZ / TON	OZ TON
92.5	112.9	92.5-112.9 Gradational top contact over .5" into grey white acid volcanics - probably tuff. schistosity or "shard" long axes alignment. 10-15° CN. 110.4-110.6 X cutting "vein" of black siliceous material. V. minor sulphides. Top contact 40° CN. Bottom contact 70° CN. Sharp bottom contact at base of acid "tuff unit" 10° CN Note occasional Po, Py in unit.										
112.9	136.0	INTERMEDIATE VOLCANICS - ANDESITES Dark green massive intermediate to mafic unit coarsely crystalline overall but with a schistosity developed over the top 2.5 suggesting flow lineation. Occasional q.c. veins. Bottom .3' fine grained suggesting a chilled margin sharp contact at 15° CN with underlying.										
136.0	145.7	CHERTY TUFF UNIT Similar to other units seen in area Interbedded cherts and black grey "argillitic" units -tuffs.. Chert grey-white. Bedded sulphides Py, Po, AsPy, Cpy, minor Ga, minor Sp. Bedding 15°-18° CN.	67655		135.7	145.1	9.40	.035	.129	.01	.09	.029
145.7	157.5	INTERMEDIATE VOLCANICS Medium to dark green quite massive unit, very chloritic with strong suggestion of pillow selvages and intra-pillow cooling or exsolution veinlets. 152.2-152.4) Massive sulphide bands, chiefly Po and Py, minor Sp, 153.0-153.2) AsPy, possibly Ga. Note garnets in association with upper band. It is possible that this is a narrow intermediate to basic flow - pillowed and chloritised (altered).										
157.5	158.2	"SINTER" UNIT Gray-green white quartz carbonate unit - possibly a vein but contacts conformable at top and bottom at c.10° CN. Minor sulphide - chiefly Py, some Po, very minor Cpy.										

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley

HOLE NO. 83-4 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ TON
					FROM	TO	TOTAL				
158.2	159.3	CHERTY TUFF UNIT Similar to above with banded sulphides - chiefly Py - minor Po banding 15° CN.									
159.3	190.5	QUARTZ FELDSPAR PORPHYRY Grey white - tuff unit - possibly sericitic in places. Essentially massive. 184.1-184.7 Quartz carbonate vein. 190.5 E.O.H. CASING PULLED.									
		<u>SLUDGE ASSAYS</u>									
		<u>Metres</u> <u>Feet</u> <u>Au.</u> <u>Ag.</u>									
		12-15 39-49 Tr. Nil									
		15-18 49-59 Tr. .22									
		18-21 59-69 Tr. .20									
		21-24 69-79 Tr. .14									
		24-27 79-89 Tr. .08									
		27-30 89-98 Tr. .16									
		30-33 98-108 Tr. Nil									
		33-36 108-118 Tr. Nil									
		36-39 118-128 Tr. Nil									
		39-42 128-138 Tr. Nil									
		42-45 138-148 Tr. .28									
		45-48 148-157 Tr. Nil									
		48-51 157-167 .02 Nil									
		51-54 167-177 .01 Nil									
		54-57 177-187 Tr. Nil									

LANGRIDGES - TORONTO - 366-1188

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-5 LENGTH 151 (Casing Pulled)
 LOCATION "N" Anomaly
 LATITUDE L.14+00N DEPARTURE 6+10W
 ELEVATION _____ AZIMUTH Grid South DIP -45°
 STARTED 23/3/1983 FINISHED 24/3/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
26.3'	-47°				
151'	-45°				

HOLE NO. 83-5 SHEET NO. 1

REMARKS _____
 Drilled by St. Lambert Drilling

LOGGED BY R.C.J.E. & J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPH IDES	FROM	TO	TOTAL	%	%	OZ/TON	OZ/TON
0	14.2	CASING									
14.2	118.6	ANDESITES Medium to dark green pillowed basalts with well defined selvages. Quartz carbonate on selvages and in occasional veins(?). 19.5-20.0 Possible interflow breccia. 68.3 Well defined base of flow. 68.3-68.5 Banded sulphide (Py, Po, Sp) with associated garnets (sulphide rind picked up by flow?). 68.5-68.8 Inter pillow breccia <u>or</u> interflow breccia. Grey-white quartz carbonate breccia (could represent a pause in volcanism - analagous to a sinter deposit at the top of a flow). 70.7-71.2 Banded sulphides (Py, Po, Sp) with associated quartz carbonates, garnets and some chloritisation. 75.8-76.1 Brecciated section, sulphides Po, Py, minor Cpy and minor green chlorite in a quartz carbonate matrix (inter pillow breccia?) Py, Po and minor Sp becomes more common on pillow selvages with increasing depth. 92-92.5 Quartz carbonate brecciated section. Po, Py and minor green chlorite. Inter pillow breccia. 101.6-106.5 Brown biotitic section. 104-105.5 approx. Quartz carbonate breccia section with a cherty aspect (interflow bx?) 107.2-114.5 Increasing alteration (biotitic in appearance - pos- sibly sericitic also). Small exsolution (?) inclu- sions of a dark mineral (biotite?).									

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-5

SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			Pb	Zn.	ASSAYS Au	Ag.	Cu		
FROM	TO		NO.	% SULPHIDES	FOOTAGE							
					FROM	TO	TOTAL	%	%	OZ / TON	OZ TON	
14.2	118.6	114.5-116 Altered section - garnetiferous. Biotitic alteration on fringes to green chloritic alteration around a 1/2" band of sulphide occurs at 115.8'. Py, Po, Sp, Ga and quartz carbonate present in banded sulphide. 116-118.6 Biotitic section. Sulphides and quartz carbonate at 117.4 (pillow selvage?).										
118.6	120.4	118.6-120.4 SULPHIDE ZONE 1/2"-1" rim of chlorite with garnets at upper contact 25° CN. Sulphide banding 20° CN. Sp (massive 119.2-119.6), Ga, minor Cpy, AsPy, Py, Po. Quartz carbonate and chert also present in matrix.	67657		118.6	120.4	1.80	.29	16.0	.02	1.09	.010
120.4	124.4	ANDESITES 120.4-124.4 Essentially massive fine grained dark-brown-black section - possibly biotitic with biotite diminishing 122' approx. (dioritic dyke?).										
124.4	125.5	CHERT UNIT 124.4-125.5 Cherty section with carbonate, Po, Py, minor Sp and AsPy(?).	67659		124.1	125.9	1.8	.047	.284	.02	.29	.024
125.5	150.8	ANDESITES 125.5-127.7 Biotitic section. 127.7-128.1 Quartz carbonate and banded sulphides, chiefly Py and Po. Occasional Sp and very minor Ga. 128.1-133 Brown biotitic section with quartz carbonate veinlets. 133-145 (approx.) Dark green-grey andesite - pillowed. 145-150.8 Biotitic sericitic section. 147.9-148.2 Disseminated and banded Py, Po, Sp and Ga in a cherty carbonate - slightly chloritic. 148.2-148.5 Cherty quartz carbonate band. 150.8 END OF HOLE - CASING PULLED.										

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-5 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ TON
					FROM	TO	TOTAL				
		<u>SLUDGE ASSAYS</u>									
		<u>Metres</u>	<u>Feet</u>	<u>Au.</u>	<u>Ag.</u>						
		6-9	20-30	Tr.	Nil						
		9-12	30-39	Tr.	Nil						
		12-15	39-49	Tr.	Nil						
		15-18	49-59	Tr.	Nil						
		18-21	59-69	Tr.	Nil						
		21-24	69-79	Tr.	Nil						
		24-27	79-89	Tr.	Nil						
		27-30	89-98	Tr.	Nil						
		30-33	98-108	Tr.	Nil						
		33-36	108-118	Tr.	Nil						
		36-39	118-128	.02	.12						
		39-42	128-138	.02	.28						
		42-45	138-148	Tr.	.22						

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-6 LENGTH 197', Casing Pulled
 LOCATION McFinley Peninsula Offshore, "N" Anomaly
 LATITUDE 16+00N DEPARTURE 6+40W
 ELEVATION On Ice AZIMUTH Grid South DIP -45°
 STARTED 28/3/1983 FINISHED 29/3/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 83-6 SHEET NO. 1

REMARKS _____
 Drilled by St. Lambert

LOGGED BY R.C.J.E. & J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO					TOTAL
0	28.3	CASING								
28.3	104.9	PILLOWED ANDESITES Dark to medium green pillowed andesites with well defined selvages. 28.3-30.5 Brecciated biotitic section - quartz carbonate matrix with occasional Po, Py. Unit biotitic to approx. 38.0'. 48.7-53.2 Somewhat brown biotitic section. 49.2-49.5 Small intercalation of chert, quartz carbonate 10° CN Possible interflow or interpillow development. 73.9-74.2 Quartz carbonate section with Py, Po and minor Sp. Biotitic alteration on upper contact (inter pillow development?). 81-81.1 Grey white chert band. 81.1-104.9 Possible new flow - thick green chloritic epidotic pillow rims - minor sulphide - possible marker unit. NOTE: Unit gives good cross section of pillowed flow - becomes coarser grained towards the bottom, then a chilled margin.								
104.9	108.4	QUARTZ CARBONATE Quartz carbonate unit - strongly calcareous with associated black ferromagnesian mineral - possibly tourmaline.	67660		104.9	108.4			Tr.	.05
108.4	164.6	PILLOWED ANDESITES Medium dark green andesitic pillow lavas. Well defined selvages - chloritic. Quartz carbonate "veins" - in part representing pillow rims. 145.9-146.3 Quartz carbonate section - minor Py, Po (pillow rim?). 156-164.6 Brown alteration gradually appears - biotite? (May be brown carbonate in part.)								

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-6

SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			Pb	Zn	ASSAYS		Cu		
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%		Au	Ag
					FROM	TO	TOTAL			OZ/TON	OZ/TON	%
164.6	172.6	CHERT FORMATION Black-grey white banded formation essentially 5° CN. 164.6-166.7 Banded sulphides (massive Py, Po and So at 165.5) in a quartz carbonate matrix. 166.7-172.6 Black and grey white banded unit with occasional quartz carbonate partings -cherty tuff? Banded sulphides common - chiefly Po and Py.	67661		164.6	166.7	2.1'	.130	.154	Tr.	.56	.011
			67662		166.7	173.2	6.5'			Tr.	.21	
172.6	173.1	ACID VOLCANICS Thin band of grey white acid rock - possibly acid tuff. Black ferromagnesian? inclusions suggest shards - i.e. welded tuff - possibly a marker horizon. Upper contact ground core. Lower contact (sharp) 5°-10° CN.										
173.1	174	CHERT FORMATION Similar to above, quartz carbonate 173.2-173.7. Sharp contact at 5°-10° CN.	67663		173.2	173.7	.5'			Tr.	.06	
			67664		173.7	179.7	6.0'			Tr.	.02	
			67665		179.7	182.7	3.0'			Tr.	.02	
174	174.7	ANDESITES Brown biotitic section with randomly orientated pygmatic quartz carbonate "veins."										
174.7	177.7	Quartz carbonate Breccia. White-grey quartz carbonate breccia with fragments of chloritised material and minor sulphides - Po, Py.										
177.7	179	ANDESITES (?) Brown biotitic (?) alteration.										
179	180	Quartz carbonate breccia. Fragments of biotitic andesite(?) in quartz carbonate matrix.										
180	196.9	ANDESITES 185.3-186.9 Quartz carbonate vein - pygmatic and possibly slightly brecciated. 190 Gradational end of biotitic zone. 190-193.3 Good pillow development in andesites.	67666		185.3	186.9	1.60'			Tr.	.02	

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-6

SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPH. IDES	FOOTAGE		%	%	OZ./TON	OZ. TON
					FROM	TO					TOTAL
180	196.9	193.3-196.6 Pitotitic section. 194.2-194.3 Quatz carbonate "vein" at 10° CN. Py, Po and Sp noted. 196.9 END OF HOLE - CASING PULLED.								
		<u>SLUDGE ASSAYS</u>								
		<u>Metres</u>	<u>Feet</u>	<u>Au.</u>	<u>Ag.</u>					
		9-12	30-39	Tr.	Nil					
		12-15	39-49	Tr.	.36					
		15-18	49-59	Tr.	Nil					
		18-21	59-69	Tr.	Nil					
		21-24	69-79	Tr.	Nil					
		24-27	79-89	Tr.	Nil					
		27-30	89-98	Tr.	Nil					
		30-33	98-108	Tr.	.36					
		33-36	108-118	Tr.	Nil					
		36-39	118-128	Tr.	Nil					
		39-42	128-138	Tr.	Nil					
		42-45	138-148	Tr.	.32					
		45-48	148-157	Tr.	.38					
		48-51	no sample							
		51-54	167-177	Tr.	.36					
		54-57	177-187	Tr.	Nil					

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-7 LENGTH 147.7 Casing Pulled
 LOCATION McFinley Peninsula "N" Anomaly
 LATITUDE L.12+00N DEPARTURE 6+00W
 ELEVATION _____ AZIMUTH Grid East DIP -45°
 STARTED 29/3/1983 FINISHED 30/3/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
29.5'	44°				
147.7'	43.5°				

HOLE NO. 83-7 SHEET NO. 1

REMARKS _____

Drilled by St. Lambert.

LOGGED BY J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Cu. %	Zn. %	Au. OZ/TON	Ag. OZ/TON	Pb.
					FROM	TO	TOTAL					
0	14.3	CASING										
14.3	103.5	PILLOWED ANDESITES Medium to dark green pillowed andesites with very well defined selvages. Many selvages carry minor amounts of Po & Py and occasional Sp. Randomly orientated quartz carbonate veins occur relatively frequently - some associated with pillow rims. 86.4-86.6 Thin band of quartz carbonate/cherty material with minor Py, Po, Sp and v. minor Ga. Chorite & epidote also present. Upper & lower contacts carry small garnet crystals - interpillow unit. 86.6-88.6 Somewhat altered - biotitic? section. Alteration in bands and as micro-net veining. The last 9' of this unit shows biotitic alteration and a gradational change to sections of a greyish white leached looking material. Minor quartz carbonate veining also present. Basal contact well defined but transitional and indicates incorporation of debris from the underlying cherty unit.										
103.5	105.1	Transitional contact between andesites and chert unit.										
105.1	110.9	CHERT UNIT Transitional contact. Fragments and minor bands of chert incorporated in overlying andesites. Grey white and dominant black interbanded unit with minor Po & Py in bands throughout. Occasional Sp and rare Ga and Cpy. Bands 20° CN. 108.3-108.6 Massive Po, minor Py and Sp. Distinct basal contact 20° CN.	67667		105.1	110.7	5.6	.06	.92	.01	.72	.12

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-7

SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Cu.	Zn.	Au. oz/TON	Ag. oz/TON	Pb. %
					FROM	TO	TOTAL					
110.9	140.9	ANDESITES? Unit varying in colour from green through brown to gray -white. Brown colour due to biotitic alteration, grey white due to leaching? Occasional Q.C. veins. Short sections have the appearance of slight brecciation, i.e. in situ fragmentation with little relative movement between fragments.										
140.9	147.7	ARGILLITE UNIT Black fine grained unit with occasional thin bands of sulphides - chiefly Po - occasional Py. Bands 20° CN. 146.7-147 Acid volcanic (tuff?) suggestion of shards. Possible marker within the argillites. E.O.H. 147.7 CASING PULLED.										
<u>SLUDGE ASSAYS</u>												
	<u>Metres</u>	<u>Feet</u>	<u>Au.</u>	<u>Ag.</u>								
	9-12	30-39	Tr.	Nil								
	12-15	39-49	Tr.	Nil								
	15-18	49-59	Tr.	Nil								
	18-21	59-69	Tr.	.08								
	21-24	69-79	Tr.	.18								
	24-27	79-89	.02	Nil								
	27-30	89-98	Tr.	Nil								
	30-33	98-108	Tr.	Nil								
	33-36	108-118	.02	1.32								
	36-39	118-128	.03	.09								
	39-42	128-138	Tr.	.24								
	42-45	138-148	Tr.	.06								

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-8 LENGTH 177.2
 LOCATION "N" Anomaly, McFinley Peninsula
 LATITUDE 10N DEPARTURE 5+5-W
 ELEVATION _____ AZIMUTH Grid East DIP -45°
 STARTED 30/3/1983 FINISHED 31/3/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
39.4'	49.5°				
177.2'	46°				

HOLE NO. 83-8 SHEET NO. 1

REMARKS _____
 Drilled by St. Lambert

LOGGED BY J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
0	9.7	CASING									
9.7	14.9	PILLOWED? ANDESITES Medium to dark green andesitic rock. Indistinct selvages - could be tuffaceous. A foliation of 20° CN is quite distinct. Disseminated Py.									
14.9	15.2	CHERT UNIT Grey white cherty unit with quartz. 20° CN. Banding. Minor banded Py with subsidiary Po, very minor Sp and rare Ga. Minor inclusions of green chlorite. Possibly an interflow chert horizon.	7770		14.0	16.0	2.0			Tr.	.24
15.2	107.3	PILLOWED ANDESITES Dark to medium green pillowed andesites with well defined selvages. Occasional quartz carbonate "veins" - possibly around pillow rims. Py and Po present on many pillow rims. 15.2-17.0 approx. "Exsolution" lamellae of ?brown biotite? possibly a cooling feature early in diagenesis, section to 20' looks biotitic. 29.8-30.8 Somewhat brecciated chloritised section with Py - interpillow feature? 31.6-31.9 Similar to above chloritised section. 35-36 Brown biotitic section. 41.9-46.4 Brown biotitic section grading into further alteration with small garnets appearing from 43.7 and stopping with .2' of quartz carbonate at 45.4. Base of Q.C. not clearcut but numerous small veinlets - possibly due to a scoriaeous flow top. Another Q.C. section of .1' at 46.4'.									

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-8

SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Cu.	Zn.	Au oz TON	Ag oz TON	Pb. %
					FROM	TO	TOTAL					
		46.4-52 approx. Chloritised(?) unit with crosscutting veinlets of Q.C. and crosscutting veinlets of chlorite showing alteration spreading out from veinlets. Section may be tuffaceous.										
		52-68 approx. Appears to be a gradual increase in brown biotite alteration.										
		53.1-53.2 Quartz carbonate band with attendant garnet alteration in vicinity (over approx. .25' above & below unit).										
		53.8 Q.C. band 20° CN.										
		63.8-68 Garnetiferous unit with disseminated small garnet crystal growths throughout. Garnets concentrated from 64.9-65.4. Q.C. sections at 63.9-64.2, 64.3-65.4. Contorted "bedding" with attendant chlorite at 65-65.7. Disseminated and veins of Py, Po common. Minor Sp & Ga (ASSAY?)										
		68-103 approx. Well defined selvages in essentially unaltered(?) andesites. Occ. Q.C. on selvages. Py, Po common on selvages with ?Sp. very minor.										
		82.2-82.7 Well developed hyaloclastite section with chloritic-andesitic fragments in a Q.C. matrix "frothy" top to flow.										
		101.3-101.8 Q.C. vein with some brecciation(?) chlorite-epidote ?) present.										
		103-107.3 approx. Colour change to more brownish aspect - biotitic alteration. Poorly defined basal contact owing to Q.C. veining & contortion of banding in lower unit. Contact 20° CN(?).										
107.3	114.2	CHERT UNIT										
		Poorly defined upper contact at approx. 20° CN. Interbedded bands at 60° CN of grey white chert and brown-black (biotitic?) tuffs? Banded Py and Po throughout with relatively minor Sp and rare Ga(?) Massive Py at 113.1 -113.3 and 113.5-113.7.	67668		107.3	110.3	3.0	.02	.05	Tr.	.16	.01
			67669		110.3	114.2	3.9	.02	.7	Tr.	.22	.03

LANGRIDGES - TORONTO - 386-1188

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-8 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE		Cu.	Zn.	Au. oz./TON	Ag. oz./TON	Pb. %	
					FROM	TO						TOTAL
107.3	114.2	Base of unit at 114.5 is poorly defined - underlying may be tuff.										
114.2	147.3	ANDESITES Upper section may be tuffaceous. Brown biotitic to 116' then into medium-dark green, quite massive unit with a foliation 10-20° CN. Suggestion of pillow selvages occur infrequently, e.g. 122.5 but evidence inconclusive. A number of "exsolution" features occur in this section, i.e. semi-parallel lamellae, randomly oriented "micro-stringers" and discrete blebs or inclusions. The alteration mineral appears to be biotitic. Occasional randomly oriented Q.C. veinlets. 134.5-134.7 Q.C. vein? Chlorite-epidote veinlets 55° CN. Last 1.0' approx. shows biotitic alteration with disseminated Po.										
147.3	150.4	ARGILLITE UNIT Black fine grained unit with bands of sulphide - chiefly Po with lesser amounts of Py. Minor cherty and quartz carbonate material. "bedding" severely contorted in places but where planar dips at approx. 30° CN. Bottom contact of this unit is uneven and shows incorporation of the underlying andesitic material as stringers and inclusions - possibly a scoriaeaceous top on the underlying flow.	7780		147.3	149.0	1.7		.01	.25		
			7781		149.0	150.4	1.4		Tr.	.24		
			7812		150.4	153.0	2.6'		Tr.	Nil		
			7813		153.0	155.0	2.01		Tr.	Nil		
150.4	155	ANDESITES Brown (biotitic) green massive fine grained unit with an uneven top and bottom (see above). Quartz carbonate veinlets with biotitic rims in andesite over last 1.0'.										
155	160.7	QUARTZ CARBONATE ZONE Quartz carbonate "zone" with possible acid volcanic intercalations occasional bands and stringers of green chlorite. Blebs and stringers of Po, Py with v. minor Sp. 159.1-159.3 Massive Po with subsidiary minor Sp and minor developments of garnets over .2' after.	67670		155.0	157.5	2.5	.01	.04	.03	.09	.01
			67671		157.5	160.6	3.1	.02	.55	.07	.3	.13
			7782		160.0	163.0	2.4'		Tr.	.06		

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-8

SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS																																																																									
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ./TON	OZ. TON																																																																				
					FROM	TO	TOTAL																																																																								
155	160.7	159.3	Bottom contact not clearly defined due to "incorporation" of underlying biotitic andesite(?). Last Q.C. stringer occurs at 162.0 approx.																																																																												
160.7	177.2	<p>PILLOWED ANDESITES Dark to medium green fine grained andesites with moderately well defined selvages. Top 1.3' biotitic(?) with randomly oriented Q.C. veins.</p> <p>177.2 END OF HOLE. CASING PULLED.</p> <p><u>SLUDGE ASSAYS</u></p> <table border="1"> <thead> <tr> <th><u>Metres</u></th> <th><u>Feet</u></th> <th><u>Au.</u></th> <th><u>Ag.</u></th> </tr> </thead> <tbody> <tr><td>3-6</td><td>10-20</td><td>Tr.</td><td>.06</td></tr> <tr><td>6-9</td><td>20-30</td><td>Tr.</td><td>.14</td></tr> <tr><td>9-12</td><td>30-39</td><td>Tr.</td><td>.16</td></tr> <tr><td>12-15</td><td>39-49</td><td>Tr.</td><td>Nil</td></tr> <tr><td>15-18</td><td>49-59</td><td>Tr.</td><td>Nil</td></tr> <tr><td>18-21</td><td>59-69</td><td>.02</td><td>.14</td></tr> <tr><td>21-24</td><td>69-79</td><td>Tr.</td><td>Nil</td></tr> <tr><td>24-27</td><td>79-89</td><td>Tr.</td><td>Nil</td></tr> <tr><td>27-30</td><td>89-98</td><td>Tr.</td><td>.80</td></tr> <tr><td>30-33</td><td>98-108</td><td>Tr.</td><td>.12</td></tr> <tr><td>33-36</td><td>108-118</td><td>Tr.</td><td>.24</td></tr> <tr><td>36-39</td><td>118-128</td><td>Tr.</td><td>.18</td></tr> <tr><td>39-42</td><td>128-138</td><td>Tr.</td><td>.32</td></tr> <tr><td>42-45</td><td>138-158</td><td>Tr.</td><td>.12</td></tr> <tr><td>45-48</td><td>148-157</td><td>Tr.</td><td>.26</td></tr> <tr><td>48-51</td><td>157-167</td><td>.10</td><td>.26</td></tr> </tbody> </table>										<u>Metres</u>	<u>Feet</u>	<u>Au.</u>	<u>Ag.</u>	3-6	10-20	Tr.	.06	6-9	20-30	Tr.	.14	9-12	30-39	Tr.	.16	12-15	39-49	Tr.	Nil	15-18	49-59	Tr.	Nil	18-21	59-69	.02	.14	21-24	69-79	Tr.	Nil	24-27	79-89	Tr.	Nil	27-30	89-98	Tr.	.80	30-33	98-108	Tr.	.12	33-36	108-118	Tr.	.24	36-39	118-128	Tr.	.18	39-42	128-138	Tr.	.32	42-45	138-158	Tr.	.12	45-48	148-157	Tr.	.26	48-51	157-167	.10	.26
<u>Metres</u>	<u>Feet</u>	<u>Au.</u>	<u>Ag.</u>																																																																												
3-6	10-20	Tr.	.06																																																																												
6-9	20-30	Tr.	.14																																																																												
9-12	30-39	Tr.	.16																																																																												
12-15	39-49	Tr.	Nil																																																																												
15-18	49-59	Tr.	Nil																																																																												
18-21	59-69	.02	.14																																																																												
21-24	69-79	Tr.	Nil																																																																												
24-27	79-89	Tr.	Nil																																																																												
27-30	89-98	Tr.	.80																																																																												
30-33	98-108	Tr.	.12																																																																												
33-36	108-118	Tr.	.24																																																																												
36-39	118-128	Tr.	.18																																																																												
39-42	128-138	Tr.	.32																																																																												
42-45	138-158	Tr.	.12																																																																												
45-48	148-157	Tr.	.26																																																																												
48-51	157-167	.10	.26																																																																												

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-9 LENGTH _____
 LOCATION On "N" Anomaly, McFinley Peninsula
 LATITUDE 8+00N DEPARTURE 5+00W
 ELEVATION _____ AZIMUTH Grid South DIP -45°
 STARTED 31/3/1983 FINISHED 1/4/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 83-9 SHEET NO. 1

REMARKS _____

Drilled by St. Lambert

LOGGED BY J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
0	9.7	CASING									
9.7	108.3	PILLOWED ANDESITES Medium to dark green pillowed andesites - well defined selvages. Occasional Q.C. veinlets - both on pillow rims and randomly oriented. Infrequent minor mineralization -chiefly Py, occasional Po, associated with pillow rims. 87.4-87.6 Q.C. vein with blebs of chlorite, minor Py, Po, Sp & Tr. Ga? 88.6 Small garnet development. 91.7-92.0 Banded Py, minor Sp in quartz carbonate matrix, c5° CN. Note garnet development. Note black green chlorite(?). 96.6-98.8 Dyke(?) of dark green rock with black green lathlike crystals in a fine grained matrix. Top contact shows lathlike crystals persisting but bottom contact fine grained and chloritised. Contacts at c.50° CN. 99.8-100.2 Q.C. vein with Po, Py, minor Sp & v. minor Ga? 100.2-104.5 Biotitic section with randomly oriented Q.C. veins. 104.5-108.3 Andesitic section with randomly oriented Q.C. veins.	7809		86.8	88.6	1.8'			Tr.	Nil
			7810		90.5	92.5	2.0'			Tr.	Nil
			7811		98.8	100.8	2.0'			Tr.	.14
			7818		100.8	103.0	2.2			Tr.	Nil
			7802		106.0	108.0	2.1			Tr.	Nil
			7803		108.1	110.7	2.6			.01	.07
			7804		110.7	113.0	2.3'			Tr.	Nil
108.3	110	SULPHIDE UNIT Po, Py, Sp, AsPy, minor Ga in bands, disseminated and in blebs in a Q.C. matrix. 109-109.4 Massive Po - possibly minor Sp.									
110	110.7	CHERT UNIT Grey black thinly banded chert 5-10° CN.									

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-9

SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
100.7	131.0	ANDESITES Brownish grey (biotitic?) unit with randomly oriented Q.C. veins. Parts of the section are pale gray brown in appearance similar to an acid volcanic. The gradational nature of these features suggests an alteration. Net veining and shattering most prevalent in the grey brown sections supports the alteration theory. 124-124.4 Q.C. vein with chlorite-epidote. Minor Po, Py, Sp, very minor AsPy(?) and Ga. Suggestion of pillow selvages over last part of section.	7805		123.5	125.5	1.0'			Au	Ag
131	133.7	ARGILLITE UNIT Grey and dominantly black bands of argillite 5° CN with minor banded sulphides - chiefly Po & Py & minor Sp. Infrequent contorted bedding suggesting slumping.	7806		129.0	131.0	2.0'			Tr.	.20
			7807		131.0	133.5	2.5'			Tr.	Nil
			7808		133.5	136.0	2.5'			Tr.	Nil
133.7	147.7	ANDESITES Dark to medium green essentially massive fine grained andesites - suggestion of pillow selvages. 147.7 E.O.H. CASING PULLED.									
		<u>SLUDGE ASSAYS</u>									
		<u>Metres</u>	<u>Feet</u>	<u>Au.</u>	<u>Ag.</u>						
		6-9	20-30	Tr.	1.14						
		9-12	30-39	Tr.	.28						
		12-15	39-49	Tr.	.64						
		15-18	49-59	Tr.	.34						
		18-21	59-69	Tr.	.48						
		21-24	69-79	Tr.	.12						
		24-27	79-89	Tr.	.16						
		27-30	89-98	Tr.	.30						
		30-33	98-108	.01	Nil						
		33-36	108-118	.02	.06						
		36-39	118-128	.01	.07						
		39-42	128-138	Tr.	.18						
		42-45	138-148	Tr.	.20						

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-10 LENGTH 187'
 LOCATION On "N" Anomaly, McFinley Peninsula
 LATITUDE 6+00N DEPARTURE 5+00W
 ELEVATION _____ AZIMUTH Grid East DIP -45°
 STARTED 1/4/1983 FINISHED 3/4/1983 (to 142')

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
19.6'	46°				
137.8'	43.5°				

HOLE NO. 83-10 SHEET NO. 1

REMARKS _____

Drilled by St. Lambert.

LOGGED BY J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Cu. %	Zn. %	Au. OZ./TON	Ag. OZ./TON	Pb. %
					FROM	TO	TOTAL					
0	7.7	CASING										
7.7	34.5	ANDESITIC "BANDED TUFF" UNIT Grey-white and grey green banded fine grained rock - possibly andesitic 30° CN. 10.5-11.1 Quartz carbonate vein, chloritic. 24-24.7 " " " , slightly chloritic. 25-25.5 "Argillitic" unit with banded sulphides. Po, minor Py, Sp and Ga.										
34.5	143.1	ANDESITES Dark to medium green fine grained rock with a gradational pillowed top. The rest of this unit is pillowed in part but some sections massive. 41-43 approx. Green chloritised section. Sulphide - chiefly Po & Py, v. minor Sp & Ga? appears frequently in selvages. 83.7-83.9 Q.C. vein with sulphide Po, Py & Sp (pillow selvage?) 126.8-127.1 Q.C. vein with .1' massive Py and minor Sp. 138.7-141.2 Somewhat brecciated section with heavy green chlorite (up to .2') and quartz carbonate veins. Po & minor Py. 141.2-143.1 Brown biotitic section. Sharp contact 20° CN.										
143.1	150.5	CHERT UNIT Medium gray chert and grey-black biotitic? "tuff" interbedded in thin bands at 20° CN. Short sections of contorted bedding. Banded sulphides, chiefly Po with Py. Very minor Sp noted. Sharp lower contact at 20° CN.	67688		143.1	147.6	4.5	.02	.10	.01	.72	.07
			67689		147.6	150.5	2.9	.02	.13	Tr.	.33	.02

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-10

SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS																																																																																
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ TON	OZ TON																																																																											
					FROM	TO	TOTAL																																																																															
150.5	169.5	ANDESITES Medium green fine grained unit with a suggested foliation. Probably tuffaceous. 150.5-151.7 Brown biotitic section. Infrequent, randomly oriented Q.C. veins.								Au	Ag																																																																											
169.5	172.3	CHERT FORMATION Poorly developed cherty "tuff" unit with indistinct upper and lower contacts. Green chlorite inclusive at upper contact. Sulphides present include Po, Py, minor Cpy, very minor Sp, Ga & AsPy? Lower contact very approximately.	7783		169.2	173.5	3.3'			Tr.	.60																																																																											
172.3	187.0	ANDESITES Medium green essentially massive fine grained unit, possibly tuffaceous in part. Randomly oriented Q.C. veins and bands. E.O.H. 187 CASING PULLED. <u>SLUDGE ASSAYS</u> <table border="1"> <thead> <tr> <th>Metres</th> <th>Feet</th> <th>Au.</th> <th>Ag.</th> </tr> </thead> <tbody> <tr><td>3-6</td><td>10-20</td><td>Tr.</td><td>Nil</td></tr> <tr><td>6-9</td><td>20-30</td><td>Tr.</td><td>.34</td></tr> <tr><td>9-12</td><td>30-39</td><td>Tr.</td><td>.22</td></tr> <tr><td>12-15</td><td>39-49</td><td>Tr.</td><td>.28</td></tr> <tr><td>15-18</td><td>49-59</td><td>Tr.</td><td>.24</td></tr> <tr><td>18-21</td><td>59-69</td><td>Tr.</td><td>Nil</td></tr> <tr><td>21-24</td><td>69-79</td><td>Tr.</td><td>Nil</td></tr> <tr><td>24-27</td><td>79-89</td><td>Tr.</td><td>.08</td></tr> <tr><td>27-30</td><td>89-98</td><td>Tr.</td><td>.36</td></tr> <tr><td>30-33</td><td>98-108</td><td>Tr.</td><td>.36</td></tr> <tr><td>33-36</td><td>108-118</td><td>Tr.</td><td>Nil</td></tr> <tr><td>36-39</td><td>118-128</td><td>Tr.</td><td>Nil</td></tr> <tr><td>39-42</td><td>128-138</td><td>Tr.</td><td>Nil</td></tr> <tr><td>42-45</td><td>138-148</td><td>Tr.</td><td>.56</td></tr> <tr><td>45-48</td><td>148-158</td><td>Tr.</td><td>Nil</td></tr> <tr><td>48-51</td><td>158-168</td><td>Tr.</td><td>Nil</td></tr> <tr><td>51-54</td><td>168-177</td><td>.01</td><td>.25</td></tr> <tr><td>54-57</td><td>177-187</td><td>Tr.</td><td>.22</td></tr> </tbody> </table> REST OF SLUDGES REQUIRED	Metres	Feet	Au.	Ag.	3-6	10-20	Tr.	Nil	6-9	20-30	Tr.	.34	9-12	30-39	Tr.	.22	12-15	39-49	Tr.	.28	15-18	49-59	Tr.	.24	18-21	59-69	Tr.	Nil	21-24	69-79	Tr.	Nil	24-27	79-89	Tr.	.08	27-30	89-98	Tr.	.36	30-33	98-108	Tr.	.36	33-36	108-118	Tr.	Nil	36-39	118-128	Tr.	Nil	39-42	128-138	Tr.	Nil	42-45	138-148	Tr.	.56	45-48	148-158	Tr.	Nil	48-51	158-168	Tr.	Nil	51-54	168-177	.01	.25	54-57	177-187	Tr.	.22								
Metres	Feet	Au.	Ag.																																																																																			
3-6	10-20	Tr.	Nil																																																																																			
6-9	20-30	Tr.	.34																																																																																			
9-12	30-39	Tr.	.22																																																																																			
12-15	39-49	Tr.	.28																																																																																			
15-18	49-59	Tr.	.24																																																																																			
18-21	59-69	Tr.	Nil																																																																																			
21-24	69-79	Tr.	Nil																																																																																			
24-27	79-89	Tr.	.08																																																																																			
27-30	89-98	Tr.	.36																																																																																			
30-33	98-108	Tr.	.36																																																																																			
33-36	108-118	Tr.	Nil																																																																																			
36-39	118-128	Tr.	Nil																																																																																			
39-42	128-138	Tr.	Nil																																																																																			
42-45	138-148	Tr.	.56																																																																																			
45-48	148-158	Tr.	Nil																																																																																			
48-51	158-168	Tr.	Nil																																																																																			
51-54	168-177	.01	.25																																																																																			
54-57	177-187	Tr.	.22																																																																																			

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

 NAME OF PROPERTY McFinley, Red Lake, Ontario

 HOLE NO. 83-11

 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE		Cu %	Zn %	Au OZ TON	Ag OZ TON	Pb %	
					FROM	TO						TOTAL
7.5	292.9	"leached" appearance. A suggestion of chloritic biotitic pillow selvages occurs frequently. 182.2-182.5 Q.C. vein, chloritic, Py, Po, v. minor Cpy. 193.3-194.4 Q.C. veins with green talc chlorite. Biotitic to 196.5. 202.1-202.5 Q.C. cherty band with banded Po, Py, Sp, minor Ga and v. minor Cpy. Garnetiferous top & bottom contacts, green talc chlorite also present. 206.6-207.3 Q.C. vein, green talc chlorite. 216.6-217.1 Chloritised band - pillow selvage - top of pillowed andesite section. 224.2-224.4 Q.C. vein. 235.9-236.1 Q.C. vein. 244.1-244.5 Q.C. band, green chlorite (talc chlorite?). 254 Q.C. band. 254.5-260 Banded sulphides in Q.C. chloritic matrix, Py, Po, Sp, minor Ga, v. minor Cpy. Garnetiferous. Top from 254. 260.1 Q.C. vein. 259.5 Heavy Po. 259.8 Heavy Po. 261.1-261.3 Heavy Po in Q.C. 263-264 approx. Py, Po banded in chloritised section - interpillow unit, i.e. selvage. 290.2-292.9 Biotitic section. Dark to medium brown-grey colour. Basal contact at 292.9. Sharp at 25° CN.	7785		182.2	183.4	1.2'			Tr.	Nil	
			67676		202.1	202.5	1.04	.007	2.2	.02	.77	0.62
			67677		254.3	260.0	5.7	.021	1.9	Tr.	.72	0.44
292.9	301	CHERT UNIT Thinly banded unit of white grey chert and brown-black tuff(?). Banded sulphides, chiefly Py & Po with minor Sp to 295.1. After 295.1 Sp increases considerably with minor Ga. 296.6-296.7 Heavy Sp. Sp diminishes to 298' when occurrences become sporadic thereafter. Gradational contact at bottom of unit to approx. 301. Banding in unit generally 10° CN but occasional contorted bedding present.	67678		292.9	295.1	2.2	.021	0.144	Tr.	.38	0.054
			67679		295.1	298.0	2.9	.016	3.5	.07	1.23	.315
			67680		298.0	300.6	2.6	.012	.187	.03	.27	.031

LANGRIDDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-11

SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ TON	
					FROM	TO					TOTAL
301.1	322.0	<p>ANDESITES (ALTERED)</p> <p>Brown-grey unit fine grained with randomly oriented Q.C. veining - essentially pure and unmineralized - very minor Py. Section altered - biotitic.</p> <p>303.5-307 Area of most dominant Q.C. veining.</p> <p>312.2-312.5 Silicified zone. Grey white siliceous band with gradational contacts, minor Py & Po.</p> <p>317.5-318.7 Randomly oriented Q.C. vein.</p> <p>318.7-319.2 Band or vein of Q.C. chloritic Py, Po, Sp & minor Ga.</p> <p>321 Po in Q.C. vein.</p>						Au	Ag		
322.0	334.8	<p>CHERT UNIT</p> <p>Laminated grey white and brown-black bands 10° CN. Occasionally contorted.</p> <p>323.3-323.5 Bright green bands alteration? or fuchsite? Unit becomes progressively less cherty with increasing depth. There appears to be minor intercalations of brown andesitic material with essentially conformable and gradational contacts - tuff(?) 328.2-329.7 and 329-331.5 approx.</p> <p>325.2-325.6 Crosscutting Q.C. vein.</p> <p>Banded sulphides appear to be dominantly Po, v. minor Py and rare occurrences of Sp.</p>	67681		322.0	324.9	2.9			.01	.20
			67682		324.9	327.7	2.8			.01	.16
334.8	431.4	<p>ANDESITES</p> <p>Brownish green colour (biotitic) fine grained with occasional Q.C. to 341 approx. Also minor chloritised sections.</p> <p>Unit becomes dominantly green in colour after 341 with a suggestion of selvages & occasional Q.C. veining. After 401.7 unit becomes less uniform in appearance and small elongate inclusions or crystals of a slightly darker green ferromagnesian mineral appear - change to tuff at this point?</p> <p>409.1-410.4 Randomly oriented Q.C. vein.</p> <p>Below 410 approx. the unit assumes a definite pumaceous appearance - tuff.</p> <p>428.7-428.9 Q.C. vein with light green talc?chlorite veinlets.</p> <p>DIFFUSE LOWER CONTACT.</p>									

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-11 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ / TON	OZ TON
					FROM	TO					TOTAL
430	461.8	<p>"STRIPED TUFF" UNIT tuffs? Alternating thin bands of brown green and grey white quartz carbonate - occasionally chloritic. The banding appears to be conformable to bedding? much of the time (10° CN) but frequently appears to crosscut.</p> <p>430.2 Thin band of sulphides, Po, Py, v. minor Cpy, garnetiferous.</p> <p>434.7-434.8 Q.C. vein, talc chlorite.</p> <p>436.8-437.5 Q.C. vein, talc chlorite.</p> <p>448.4-449.4 Q.C. vein.</p> <p>450.6-450.8 Q.C. vein.</p> <p>451.0-451.9 Q.C. veins.</p> <p>452.8-453.2 Q.C. veins.</p> <p>Unit becomes more massive with the "striped" feature absent, just occasional randomly oriented Q.C. veinlets. Possible change to tuffaceous cherty unit approaching at 461.8.</p> <p>E.O.H. 461.8 CASING PULLED.</p>								

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-11

SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH IDES	FOOTAGE			%	%	OZ/TON	OZ TON
					FROM	TO	TOTAL				
		<u>SLUDGE ASSAYS</u>									
		<u>Metres</u>	<u>Feet</u>	<u>Au.</u>	<u>Ag.</u>						
		3-6	10-20	Tr.	Nil						
		6-9	20-30	.02	.30						
		9-12	30-39	Tr.	Nil						
		12-15	39-49	Tr.	Nil						
		15-18	49-59	Tr.	Nil						
		18-21	59-69	.01	Nil						
		21-24	69-79	.09	Nil						
		27-30	89-98	.03	.19						
		30-33	98-108	Tr.	.08						
		33-36	108-118	.02	Nil						
		36-39	118-128	.03	.17						
		39-42	128-138	.04	.06						
		42-45	138-148	.06	.12						
		45-48	148-158	.01	.23						
		48-51	158-168	.03	.50						
		51-54	168-177	.02	.36						
		54-57	177-187	Tr.	Nil						
		57-60	187-197	.02	.15						
		60-63	197-207	Tr.	.10						
		63-66	207-217	.03	.15						
		66-69	217-226	Tr.	.18						
		69-72	226-236	.01	.15						
		72-75	236-246	Tr.	Nil						
		75-78	246-256	Tr.	.18						
		78-81	256-266	Tr.	.20						
		81-84	266-276	Tr.	.12						
		84-87	276-285	Tr.	.18						
		87-90	285-295	Tr.	Nil						
		90-93	295-305	.03	1.03						
		93-96	305-315	.03	.45						
		96-99	315-325	Tr.	.26						
		99-102	325-335	Tr.	Nil						

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-11

SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ/TON	OZ TON
					FROM	TO	TOTAL				
		Sludge Assays cont.									
		<u>Metres</u> <u>Feet</u>	<u>Au.</u>	<u>Ag.</u>							
		102-105 335-344	Tr.	Nil							
		105-108 344-354	Tr.	.24							
		108-111 354-364	Tr.	Nil							
		111-114 364-374	Tr.	Nil							
		114-117 374-384	.01	Nil							
		117-120 384-394	.05	.09							
		120-123 394-404	Tr.	.34							
		123-126 404-413	.01	Nil							
		126-129 413-423	Tr.	Nil							
		129-132 423-433	Tr.	.20							
		132-135 433-443	Tr.	Nil							
		135-138 443-453	.02	Nil							
		138-140 453-459	.02	Nil							

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-12 LENGTH _____
 LOCATION "N" Anomaly, McFinley Peninsula
 LATITUDE L.4+00N DEPARTURE 4+50W
 ELEVATION _____ AZIMUTH Grid East DIP -45°
 STARTED 5/4/1983 FINISHED 6/4/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
19.7'	45°				
147.7'	45°				

HOLE NO. 83-12 SHEET NO. 1

REMARKS _____

Drilled by St. Lambert.

LOGGED BY J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE		Cu %	Zn %	Au OZ/TON	Ag OZ/TON	Pb %	
					FROM	TO						TOTAL
0	7.2	CASING										
7.2	120.6	ANDESITES Medium to dark green fine grained rock. Poorly defined laminae of biotite(?) rich material giving a somewhat "striped" effect. Decreases in intensity over top 40'. This section may be tuffaceous. A suggestion of pillow selvages starts to appear after approx. 40' although first definite selvage occurs at 49.8. 48-48.2 Massive Py, Po, Sp (pillow selvage?). 60.6-61.9 Granodioritic(?) dyke. Inclusions, veins and bands of Q.C. occur occasionally throughout the sequence. 84.8-85.3 Q.C. veinlets. 90.0-90.2 Q.C. vein. 91.0-91.2 Q.C. vein, minor chlorite. 92.5-92.8 Q.C. vein, minor chlorite. 89.5-95.7 Brown biotitic section. 118.8-120.6 Brown biotitic section.										
120.6	123.2	CHERT UNIT Medium to dark gray bands of chert and tuff interbedded. Occasional quartz carbonate inclusions. Minor to moderate banded sulphides, Po,Py,Sp and very minor Ga Bands contorted in places but where planar generally 25° CN.	6788		120.6	123.2	2.6	.034	0.77	.02	4.53	0.48
123.2	125.8	DIORITE DYKE Dark grey green medium grained massive unit. Fine grained at margins. Upper margin shows included chert fragment.	7788		125.7	127.0			Tr.	.32		

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-12

SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS																																																																
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ. TON																																																											
					FROM	TO	TOTAL																																																															
125.8	126.8	<p>CHERT UNIT Grey white chert unit with severely contorted bedding. Base at 15⁰ CN. Minor sulphides present include Po, Py, minor Ga and Sp.</p>																																																																				
126.8	147.6	<p>ANDESITES Medium to dark green andesites - suggestion of pillow margins but may be tuffaceous in part. 126.8-127.9 Brown biotitic section. 147.6 E.O.H. CASING PULLED</p> <p><u>SLUDGE ASSAYS</u></p> <table border="1"> <thead> <tr> <th><u>Metres</u></th> <th><u>Feet</u></th> <th><u>Au.</u></th> <th><u>Ag.</u></th> </tr> </thead> <tbody> <tr><td>3-6</td><td>10-20</td><td>Tr.</td><td>.06</td></tr> <tr><td>6-9</td><td>20-30</td><td>Tr.</td><td>.12</td></tr> <tr><td>9-12</td><td>30-39</td><td>Tr.</td><td>.06</td></tr> <tr><td>12-15</td><td>39-49</td><td>Tr.</td><td>.18</td></tr> <tr><td>15-18</td><td>49-59</td><td>Tr.</td><td>.08</td></tr> <tr><td>18-21</td><td>59-69</td><td>Tr.</td><td>.16</td></tr> <tr><td>21-24</td><td>69-79</td><td>Tr.</td><td>.38</td></tr> <tr><td>24-27</td><td>79-89</td><td>Tr.</td><td>.12</td></tr> <tr><td>27-30</td><td>89-98</td><td>Tr.</td><td>.26</td></tr> <tr><td>30-33</td><td>98-108</td><td>Tr.</td><td>.46</td></tr> <tr><td>33-36</td><td>108-118</td><td>Tr.</td><td>.16</td></tr> <tr><td>36-39</td><td>118-128</td><td>Tr.</td><td>1.56</td></tr> <tr><td>39-42</td><td>128-138</td><td>Tr.</td><td>.14</td></tr> <tr><td>42-45</td><td>138-148</td><td>Tr.</td><td>.22</td></tr> </tbody> </table>	<u>Metres</u>	<u>Feet</u>	<u>Au.</u>	<u>Ag.</u>	3-6	10-20	Tr.	.06	6-9	20-30	Tr.	.12	9-12	30-39	Tr.	.06	12-15	39-49	Tr.	.18	15-18	49-59	Tr.	.08	18-21	59-69	Tr.	.16	21-24	69-79	Tr.	.38	24-27	79-89	Tr.	.12	27-30	89-98	Tr.	.26	30-33	98-108	Tr.	.46	33-36	108-118	Tr.	.16	36-39	118-128	Tr.	1.56	39-42	128-138	Tr.	.14	42-45	138-148	Tr.	.22								
<u>Metres</u>	<u>Feet</u>	<u>Au.</u>	<u>Ag.</u>																																																																			
3-6	10-20	Tr.	.06																																																																			
6-9	20-30	Tr.	.12																																																																			
9-12	30-39	Tr.	.06																																																																			
12-15	39-49	Tr.	.18																																																																			
15-18	49-59	Tr.	.08																																																																			
18-21	59-69	Tr.	.16																																																																			
21-24	69-79	Tr.	.38																																																																			
24-27	79-89	Tr.	.12																																																																			
27-30	89-98	Tr.	.26																																																																			
30-33	98-108	Tr.	.46																																																																			
33-36	108-118	Tr.	.16																																																																			
36-39	118-128	Tr.	1.56																																																																			
39-42	128-138	Tr.	.14																																																																			
42-45	138-148	Tr.	.22																																																																			

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-13 LENGTH _____
 LOCATION "N" Anomaly, McFinley Peninsula
 LATITUDE 2+00N DEPARTURE 4+00W
 ELEVATION _____ AZIMUTH Grid East DIP -45°
 STARTED 6/4/1983 FINISHED 7/4/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
29.5'	47°				
157.3'	45°				

HOLE NO. 83-13 SHEET NO. 1

REMARKS _____

Drilled by St. Lambert.

LOGGED BY J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
0	19.5	CASING										
19.5	92.6	ANDESITES Medium-dark green andesites generally fine grained. Occasional randomly oriented Q.C. veins. Unit generally massive to 35' approx when first pillow selvage appears. 19.5-33.5 Brown biotitic section. Definite pillowed andesites from 35'. 61.1-61.5 Q.C., minor banded Py, Po & Sp, very minor Ga, minor green chlorite, garnets. Suggestion of pillow selvages petering out by 68'. Unit becomes more massive thereafter. 86.6-87 Quartz/chert band, Py, Po, Sp at upper and lower contact and in veinlets and inclusions. Suggested pillow selvages at 87-89.2. 87.4-87.6 Similar to above but less well developed. 84.5-87.4 Brown biotitic aspect. 89.2-92.6 Brown biotitic alteration.										
92.6	94.2	CHERT UNIT Grey white chert and brown black biotitic "tuff" interbedded. "Tuff" dominant. Minor banded sulphides present, Py, Po, Sp. and very minor Ga. Bands contorted in places but where planar dip at 20° CN.	7814		84.0	86.2	2.2'			Tr.	Nil	
			7786		86.2	88.2	2.0'			.09	.05	
			7815		88.2	90.0	1.8'			Tr.	Nil	
			7816		90.0	92.4	2.4'			Tr.	Nil	
			7787		92.4	94.6	2.2'			.06	.66	
			7817		94.6	97.0	2.4			Tr.	Nil	
94.2	137.1	ANDESITES Medium to dark green fine grained rock. Occasional randomly oriented Q.C. veins - occasionally showing a brecciated aspect. 94.2-95 Brown biotitic section.										

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-13

SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			Cu	Zn	ASSAYS		Ag	Pb																								
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%			OZ. TON	OZ. TON	%																					
					FROM	TO	TOTAL																												
94.2	137.1	The unit is essentially massive to 100' approx. but a banding at 20° CN. appears gradationally at that point. The banding is delineated by a brown green mineral - probably biotite. This banding persists with intercalations of more massive units. May represent a tuffaceous origin for much of this section. Some short sections have a "bleached" appearance. 128.6-128.8 Q.C. bein. 128-135 Suggestion of brown biotitic alteration. 133.7-135.4 Q.C. veins.																																	
137.1	141.8	CHERT UNIT Interbanded grey white chert and brown black "tuff". Moderate banded sulphides present, chiefly Py, Po, common Sp and very minor Ga. Bands contorted and planar. Where planar dip at 20° CN.	67684		137.1	141.8	3.7	.014	.42	Tr.	.39	.056																							
141.8	157.5	ANDESITES Medium to dark green essentially massive andesites with infrequent randomly oriented Q.C. veins. 141.8-142.9 Brown biotitic section. E.O.H. 157.5 CASING PULLED. <u>SLUDGE ASSAYS</u> <table border="1"> <thead> <tr> <th>Metres</th> <th>Feet</th> <th>Au.</th> <th>Ag.</th> </tr> </thead> <tbody> <tr> <td>3-9</td> <td>10-30</td> <td>Tr.</td> <td>.40</td> </tr> <tr> <td>9-12</td> <td>30-39</td> <td>Tr.</td> <td>.24</td> </tr> <tr> <td>12-15</td> <td>39-49</td> <td>Tr.</td> <td>.20</td> </tr> <tr> <td>15-18</td> <td>49-59</td> <td>Tr.</td> <td>Nil</td> </tr> <tr> <td>18-21</td> <td>59-69</td> <td>Tr.</td> <td>.46</td> </tr> </tbody> </table>	Metres	Feet	Au.	Ag.	3-9	10-30	Tr.	.40	9-12	30-39	Tr.	.24	12-15	39-49	Tr.	.20	15-18	49-59	Tr.	Nil	18-21	59-69	Tr.	.46									
Metres	Feet	Au.	Ag.																																
3-9	10-30	Tr.	.40																																
9-12	30-39	Tr.	.24																																
12-15	39-49	Tr.	.20																																
15-18	49-59	Tr.	Nil																																
18-21	59-69	Tr.	.46																																

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-13

SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPH. IDES	FOOTAGE		%	%	OZ. TON	OZ. TON
					FROM	TO					TOTAL
		Sludge Assays cont.								
		<u>Metres</u> <u>Feet</u> <u>Au.</u> <u>Ag.</u>								
		21-24 69-79 Tr. .16								
		24-27 79-89 .03 .28								
		27-30 89-98 Tr. .28								
		30-33 98-108 Tr. .12								
		33-36 108-118 .01 Nil								
		36-39 118-128 Tr. .06								
		39-42 128-138 .02 .40								
		42-45 138-148 .01 .43								
		45-48 148-158 .01 Nil								

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-14 LENGTH 296 feet
 LOCATION On Dz Anomaly, N.W. Side of McFinley Peninsula
 LATITUDE 2+00S DEPARTURE 13+85W
 ELEVATION _____ AZIMUTH Grid East DIP -45°
 STARTED 8/4/1983 FINISHED 10/4/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
29.5'	46.5°				
295.4'	46.5°				

HOLE NO. 83-14 SHEET NO. 1
 REMARKS _____
 Drilled by St. Lambert.
 LOGGED BY J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Cu %	Zn %	Au OZ/TON	Ag OZ/TON	Pb %
					FROM	TO	TOTAL					
0	7.3	CASING										
7.3	91.9	ANDESITES Medium to dark green fine grained rock with well defined selvages indicating pillows. Some sections may be tuffaceous. Randomly oriented quartz carbonate veins occur occasionally; some appear to be associated with pillow rims. Occasional sulphides, chiefly Po with subordinate Py, occur on selvages. 73.1-73.3 Q.C. vein. 76.-76.9 Q.C. vein. 77.0-77.3 Q.C. vein. 83.7-84.6 Q.C. vein chloritised, minor seminated. Py, very minor Sp. 91.0-91.9 Brown biotitic unit										
91.9	102.5	CHERT UNIT Medium grey-white chert bands interbedded with grey black biotitic "tuffs". Bands 20° CN. Some contorted. Minor banded sulphides present, Py, Po and trace of Sp. Sulphides amount to less than 3% in total. Upper contact somewhat transitional in appearance. Lower contact sharp at 10° CN.	67685		83.7	84.6	0.9			Tr.	.02	
102.5	137.9	ANDESITES Medium to dark green fine grained rock, massive. Small Q.C. inclusions to 103.7. Long axes orientation suggests a foliation at 10° CN. 106.8 Q.C. vein. 110.4-111 Q.C. vein, acicular crystals of a black-green ferromagnesian mineral, development of chlorite occurs at margins.	67686		121.6	126.2	4.6			Tr.	.05	

LANGRIDGES - TORONTO - 386-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-14

SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			Cu	Zn	ASSAYS		Pb		
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%		Ag	
					FROM	TO	TOTAL			OZ/TON	OZ/TON	%
102.5	137.9	111.3-111.4 Q.C. band. 113.3-133.9 Q.C. vein. Black ferromagnesian crystals. 114.6-114.7 Q.C. band. 115.9 Q.C. vein. 118.0-119.3 Section of extensive Q.C. veining - brecciated aspect. Green chlorite development. 120.8-120.9 Q.C. vein. 121.6-126.2 Q.C. section with chlorite, banded in parts as a green-white unit. Upper and lower contacts have a brecciated aspect. 126.5-127 Q.C. section, brecciated aspect. Minor Po, Py and Sp. Green chlorite or talc chlorite present. Sparse garnet development at lower contact. 127.2-127.5 Q.C. vein, chloritic. 127.6-128.9 Occasional development of garnets in section, also minor Q.C. bands with infrequent Tr. Py, Po, Sp & Ga 128.9-137.9 "Banded Tuff". Brownish green (biotitic?) medium grained unit with brown specks. ?Biotite long axes orientation 10° CN. Frequent thin bands of quartz carbonate randomly oriented. Some appear to be "infected" while the unit was still plastic. 137.9-138.8 Essentially quartz carbonate unit with brown andesitic fragments (-breccia) at 138.3-138.5. Possible faulted contact?										
138.8	158.5	ACID VOLCANICS (tuff?) Greenish-grey white medium to fine grained unit with blue grey quartz eyes. Dark specks present throughout sequence. Long axes orientation approx. 10° CN. Infrequent narrow randomly oriented Q.C. veins. Top contact sharp but uneven at 20° CN. Bottom (20 CN) contact shows very distinct foliation or bedding? over last 1'. - Sequence possibly a welded tuff.										
158.5	164.1	CHERT UNIT Bands of gray white chert and gray black "tuff" interbedded. Occasional contorted bedding. Banded sulphides, chiefly Po, subordinate Py. Minor Sp and trace of Ga well seen at 158.9-159.5. Minor chlorite(?) development in thin bands close to base of unit. Bands generally run 20° CN. Lower contact obscured by a crosscutting(?) quartz carbonate vein.	67687		158.5	164.1	5.6	.024	0.36	Tr.	.89	.135

LANGRIDGES - TORONTO - 368-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-14

SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
164.1	187.3	<p>ANDESITES</p> <p>Medium green fine grained unit with a definite foliation to 171'. Tuffaceous? This upper unit also contains frequent sub-rounded porphyroblasts of quartz carbonate? 164.1-167 approx. Brown biotitic(?) alteration. Unit becomes more massive below 171' with occasionally randomly oriented Q.C. veins. 180.8-187.3 Foliation reappears - tuff? 186.7-187.3 Brown biotitic section. Sharp bottom contact 20° CN.</p>									
187.3	197.8	<p>CHERT UNIT</p> <p>Similar in many respects to the unit noted above. Major differences are the occurrence of "intercalations" of brown biotitic(?) tuffs at intervals. Less contorted bedding noted also. Sulphides dominantly Po, minor Py and only a trace of Sp. Ga noted only at 189.4. Bedding at 20° CN. Distinct lower contact at 20° CN.</p>									
197.8	203.9	<p>ACID VOLCANICS</p> <p>Medium gray-white acid volcanics with a very definite foliation at 20° CN. The foliation is delineated by white grey quartz(?) lamellae. Dark "shard-like" specks occur throughout and long axes of these parallels the foliation.</p>									
203.9	205.1	<p>DIORITE DYKE</p> <p>Dark to medium gray relatively coarse grained unit with fine grained upper and lower margins. Note - also "baked" appearance of country rock at margins.</p>									
205.1	217.1	<p>ACID VOLCANICS</p> <p>Similar in all respects to unit at 197.8-203.9.</p>									
217.1	217.7	<p>CHERT UNIT</p> <p>Short intersection similar to unit at 187.3-197.8.</p>									

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-14 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
217.7	230.8	<p>ACID VOLCANICS</p> <p>Similar to above tuffaceous unit except that the foliation tends to fade out after approximately 221' and is represented by the "shards" noted above. Uneven basal contact of "sedimentary" appearance. Approximately 20° CN.</p>									
230.8	249.8	<p>"TUFF" UNIT WITH CHERT</p> <p>Interbanded brown gray fine grained biotitic "tuff" with occasional quartz carbonate and minor grey white chert. Sulphides present in bands and inclusions - dominantly Po with minor Py. Massive Po at 233.5-233.7. Sulphides tend to fade out below 236.0. Bands vary 0-20° CN.</p> <p>234.2-235.0 Development of small garnets in association with green chlorite and Po rich band.</p> <p>Green chloritic(?) alteration persists in bands and narrow "zones" below 238'. Overall greenish grey tinge to core with more massive "tuff" sections dominating. Uneven base to unit with a "sedimentary" aspect.</p>									
249.8	270	<p>BRECCIA ZONE</p> <p>Brecciated grey white cherty and acid volcanic(?) unit. Small fragments with infrequent bands of unbrecciated material 10°-20° CN. Upper 2' has a chloritised green colour but this tends to fade below this point. Quartz carbonate fragments and inclusions common throughout. Occasional randomly oriented Q.C. veins. Minor Po and Py occur in this unit. Gradational lower contact over last 1'.</p>									
270	295.3	<p>ANDESITIC(?) TUFFS</p> <p>Medium green, fine to medium grained sequence with a definite foliation at approx. 10° CN. Occasional randomly oriented Q.C. veins & bands.</p> <p>273.2-273.3 Q.C. vein.</p> <p>281.3-382.7 (Approx. footage, gradational contacts Intercalation of cherty unit.</p> <p>291.6-294.0 (Approx. footage, gradational contacts Intercalation of cherty unit.</p> <p>E.O.H. 295.3 CASING PULLED</p>									

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-14 SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ. TON	OZ. TON
				FROM	TO	TOTAL				
<u>SLUDGE ASSAYS</u>										
	<u>Metres</u>	<u>Feet</u>	<u>Au.</u>	<u>Ag.</u>						
	3-6	10-20	Tr.	Nil						
	6-9	20-30	Tr.	.78						
	9-12	30-39	Tr.	Nil						
	12-15	39-49	Tr.	.40						
	15-18	49-59	Tr.	.50						
	18-21	59-69	Tr.	.26						
	21-24	69-79	Tr.	.20						
	24-27	79-89	Tr.	Nil						
	27-30	89-98	Tr.	Nil						
	30-33	98-108	Tr.	.56						
	33-36	108-118	Tr.	.18						
	36-39	118-128	Tr.	.14						
	39-42	128-138	Tr.	.24						
	42-45	138-148	Tr.	.30						
	45-48	148-158	Tr.	Nil						
	48-51	158-168	Tr.	.46						
	51-54	168-177	Tr.	Nil						
	54-57	177-187	Tr.	Nil						
	57-60	187-197	Tr.	Nil						
	60-63	197-207	Tr.	Nil						
	63-66	207-217	Tr.	Nil						
	66-69	217-226	Tr.	Nil						
	69-72	226-236	Tr.	.14						
	72-75	236-246	Tr.	.38						
	75-78	246-256	Tr.	.20						
	78-81	256-266	Tr.	.26						
	81-84	missing								
	84-87	276-285	Tr.	Nil						
	87-90	285-295	Tr.	Nil						

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-15 LENGTH _____
 LOCATION McFinley Peninsula
 LATITUDE 7+00 South DEPARTURE 0+17E
 ELEVATION _____ AZIMUTH Grid South DIP -45°
 STARTED 11/4/1983 FINISHED 12/4/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 83-15 SHEET NO. 1

REMARKS _____

Drilled by St. Lambert

LOGGED BY J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Au. OZ/TON	Ag. OZ/TON
					FROM	TO					TOTAL
0	8.5	CASING								
8.5	61.1	ANDESITES								
		Brownish grey coloured with occasional green coloured sections. Fine grained with short intercalations of laminated grey chert - tuff units. Brown colouration probably due to biotitic alteration. Extensive quartz carbonate veins & bands. Sulphides, chiefly Py & Po, frequently associated with the cherty units and occasionally with the Q.C. Sequence may be an andesitic tuff.	67690		8.5	9.8	1.3		Tr.	.03
		9.8-11.5 Section with abundant randomly oriented Q.C. veins.	67691		9.8	17.0	7.2		Tr.	.02
		14.8-15.3 Q.C. vein.	67693		17.0	19.8	2.8		.01	.03
		15.4-15.8 Q.C. vein, associated Py, Po in country rock.								
		16.8-17.0 Q.C. vein.								
		17.6-17.8 Banded grey white chert & black grey chert.								
		18.1-18.4 Q.C. vein.								
		19.1-19.8 X cutting Q.C. vein.	67694		19.8	24.0	4.2		Tr.	.03
		23.1-23.2 Q.C. vein.	67695		24.0	29.5	5.5		Tr.	.03
		24.2-24.5 Q.C. vein.	67696		29.5	34.1	4.6		.01	.3
		24.8 Q.C. vein.	67697		34.1	38.6	4.5		.01	.2
		25.1 Q.C. vein.	67698		38.6	43.0	4.4		Tr.	.04
		29.5-29.8 Grey-white cherty unit, banded Py, Po (chiefly Po). V. minor AsPy. Banding contorted somewhat, hence dip unreliable, chloritic appearance, Q.C. in matrix.								
		31-31.3 As above. Some planar banding 20° CN.								
		32.5-32.6 Gray white banded chert & quartz carbonate.								
		33.2-34.1 Grey white-green cherty unit. Banding indistinct green chloritic appearance. Py, Po, v. minor Sp?, black ferromagnesian mineral and infrequent garnets at one location. Q.C. in matrix.								
		34.5-34.9 Grey white cherty band, Po & minor Py.								
		36.9-38.6 Grey white-green cherty unit. Bands quite distinct at upper margin.								

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-15

SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	Au. OZ/TON	Ag. OZ/TON	
					FROM	TO	TOTAL					
8.5	61.1	40.7-40.8	Q.C. vein.	67699	43.0	47.0	4.0			Tr.	.03	
		42-42.1	Q.C. includes brecciated fragments of country rock.	67700	47.0	52.0	5.0			Tr.	.02	
		45.7	Q.C. vein.	67706	52.0	56.0	4.0			.01	Tr.	
		48-53.8	Dominantly green andesitic section.	67707	56.0	59.0	3.0			Tr.	Tr.	
		54.1-54.3	Grey white cherty unit, minor green chlorite carbonate.	67708	59.0	60.9	1.9			Tr.	.02	
			Brown altered section recommences at 53.8.	67709	60.9	63.5	2.6			Tr.	.03	
			Lower contact diffuse and appears to be compositionally gradational at approx. 10° CN.	67710	63.5	64.9	1.4			Tr.	.02	
				67711	64.9	69.0	4.1			Tr.	.02	
				67712	69.0	71.9	2.9			Tr.	.02	
		61.1	69.0	"QUARTZ PORPHYRY"								
Pale buff gray unit essentially massive. The unit contains quartz (& ?feldspar) phenocrysts in a buff gray sericitic siliceous matrix with rare Py blebs. Upper and lower contacts are diffuse, suggesting alteration. Bottom 2' finer grained, suggesting a chilled margin or sole of a flow. An indistinct foliation at about 10° CN occurs throughout most of the unit.												
63.5-64.9	Q.C. vein with brecciated margins.											
65.1	Crystals Ga in Q.C. vein parallel to core axis.											
Unit contains occasional crosscutting Q.C. veins and veinlets.												
69.0	71.9	ANDESITE										
		Dark green essentially massive unit. Heavily chloritised in parts. Foliation developed sporadically.										
		69.5	Q.C. veinlets.									
		70.9-71.2	Q.C. veins.									
		71.5	Q.C. veinlets.									
71.9	77.2	DIORITE DYKE										
		Greenish dark grey crystalline unit with grey white phenocrysts of ?feldspar and dark green black phenocrysts of a ferromagnesian mineral in a dark gray matrix. Upper and lower contacts fine grained suggesting chilled margins.										
		73.1	Chloritised fine grained band - gradational margins.	67713	71.9	77.2	5.3			Tr.	.02	
		Appears to be some carbonate in the matrix of this unit. Slight effervescence noted throughout.										
				67714	77.2	80.4	3.2			Tr.	Tr.	
		67715	80.4	84.5	4.1			Tr.	Tr.			

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-15 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	Au. OZ. TON	Ag. OZ. TON
					FROM	TO	TOTAL				
77.2	84.5	<p>ANDESITES</p> <p>Medium to dark green fine grained unit. Massive to approx. 82', then a suggestion of foliation or schistosity appears.</p> <p>77.3 Q.C. vein, Po, minor Py.</p> <p>80.3-80.4 Q.C. vein.</p> <p>80.7-80.8 Q.C. vein.</p> <p>80.9-81.1 Q.C. vein.</p> <p>82.3-82.6 Randomly orient Q.C. veinlets.</p> <p>82.9-83 Very minor cherty laminae developed. 10° CN.</p> <p>83-84.5 Somewhat brown biotitic section.</p> <p>Other small Q.C. veinlets occur infrequently throughout section. Lower contact sharp & somewhat chloritised.</p>									
84.5	86.1	<p>CHERTY IRON FORMATION</p> <p>Thin bands of grey white chert interbedded with minor black "tuffaceous" laminal. Bands 20° CN. Minor Py, Po in bands & blebs. Unit slightly magnetic - minor amounts of grey black mineral in bands may be magnetite - hence Cherty Iron Formation. Note minor carbonate throughout the unit.</p>	67716		84.5	86.1	1.60			.03	.04
86.1	99.0	<p>ANDESITES</p> <p>Brown medium to fine grained unit - biotitic? Most of the section indicates a definite foliation at 10-15° CN. Short sections of more massive material present. Occasional crosscutting Q.C. veinlets.</p> <p>92.6-92.7 Q.C. vein.</p> <p>93.4-93.6 Q.C. veinlets.</p> <p>95.0 Q.C. vein.</p>	67717 67718 67719		86.1 90.1 94.7	90.1 94.7 99.0	4.0 4.6 4.3			Tr. Tr. Tr.	.02 .03 .03
99.0	101.1	<p>CHERTY IRON FORMATION</p> <p>Bands of grey white chert interbedded with thin bands of "tuffaceous" material. Occasional Q.C. throughout. Bands and inclusions of Po & minor Py. Unit is slightly magnetic. Minor dark bands could be high in magnetite. Bands dip approximately 15° CN.</p>	67720		99.0	101.1	2.1			.01	.06
101.1	118.9	<p>ANDESITES</p> <p>Brown grey medium to fine grained rock. Brown colouration due to biotite. Sections with a definite foliation occur throughout. Greyish coloured sections relatively high in Q.C. occur throughout. Randomly oriented Q.C. veins common.</p>	67721 67722 67723 67724 67725		101.1 104.8 108.3 112.6 116.1	104.8 108.3 112.6 116.1	3.7 3.5 4.3 3.5 2.8			.01 Tr. Tr. Tr. .01	Tr. .03 .02 .03 Tr.

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-15 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Au. OZ TON	Ag. OZ TON
					FROM	TO					TOTAL
101.1	118.9	101.1-101.2 Q.C. vein. 105.8 Q.C. vein. 109.8 Q.C. vein. 112.6 Q.C. vein.								
118.9	127.9	CHERTY IRON FORMATION Grey-white banded chert formation with occasional crosscutting Q.C. veins. Interbedded dark grey brown tuffaceous bands. Rare sections or bands/veins of a medium to pale green talc chlorite ? Bands generally dip 15° CN. Upper and lower contact sharp. Banded Po & minor Py common throughout. 119-119.6 Ga in section associated with x cutting Q.C. vein? 121.1-121.3 Chloritised section of dark green fine grained rock, even upper contact - uneven lower contact. Local development of garnets in upper contact. 124.5-125.5 Brecciated section. Q.C. matrix.	67726		118.9	123.5	4.6		.01	.82
			67727		123.5	127.9	4.4		.02	.09
127.9	136.3	ANDESITES Brown fine to medium grained unit with definite foliation 5° CN. Numerous small Q.C. veinlets. Short sections of somewhat brecciated material, i.e. shattered with the interstices "healed" by quartz carbonate, e.g. 129.5-129.8. 133.6 Q.C. vein. 134.6 Q.C. vein - somewhat shattered area. 135.8 Q.C. vein.	67728		127.9	131.6	3.7		Tr.	.04
			67729		131.6	136.3	4.7		Tr.	.10
136.3	138.0	QUARTZ CARBONATE "VEIN" Broken and brecciated grey white quartz carbonate. 136.4-136.5 Heavy crystalline AsPy, minor Sp. 136.8-137.2 Heavy disseminated Py, minor Po.	67740		136.3	138.0	1.7		.07	2.00
138.0	141.5	ANDESITE ? Dark grey green crystalline unit essentially massive. Disseminated Py throughout. 138.5 Crosscutting Py "vein." 140.8-141.5 Randomly oriented Q.C. veinlets giving a brecciated aspect to the core. "Bleaching" of country rock around Q.C. veinlets. 138-139 Brown grey color - biotite?	67730		138.0	141.5	3.5		Tr.	0.14

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-15 SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	Au. OZ TON	Ag. OZ TON
					FROM	TO	TOTAL				
141.5	143.3	QUARTZ CARBONATE "VEIN" Similar in all respects to unit at 136.3-138.0. Contacts are approximate since both are brecciated and difficult to define with exactitude.	67731		141.5	143.3	1.8			.48	1.64
143.3	187.8	ANDESITES Medium to dark brown fine grained massive unit. Occasional sections with a greenish colour indicating less intense alteration. Veinlets, veins and bands of quartz carbonate occur frequently throughout the sequence. 143.3-144.5 Brecciated section. Q.C. in fractures. 145.2-145.3 Q.C. vein. Sp, Py. 150.7-151.3 Q.C. veinlets - breccia. 155.5-157 Heavy Q.C. veining. 164.1 Q.C. vein. 165-165.1 Q.C. vein, minor Po, Py. 166.2-166.9 Q.C. veining - fractured. 169.3 Q.C. vein. 169.7-169.8 Incipient chert development. 170.0-171.7 Q.C. veinlets - fractured section. 172.8 Q.C. veinlet. 174 Q.C. veinlet. 174.4-176.5 Q.C. veins & veinlets. 176.9-177.1 Q.C. vein or band - associated chlorite. 177.8-177.9 Q.C. inclusion. 178.2-178.9 Q.C. band, chert, Py, Po, AsPy, green chlorite bands at upper & lower margins. 181.5-181.6 Q.C. band. 182-187.8 Definite foliation development. 182-183.3 Approximate footages. Grey colouration developed - acidic in appearance - "bleached" or silicified? 184.3-184.8 Development of medium green crystals of a ferromagnesian mineral in a green-gray matrix. Alteration? 186.0-186.5 Q.C. veinlets, associated green chlorite.	67732		143.3	147.6	4.3			.002	.08
			67733		178.2	178.9	0.7			.01	.04

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-15 SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	Au. OZ/TON	Ag. OZ/TON
					FROM	TO	TOTAL				
187.8	190.2	RHYOLITE (?) Medium grey acid unit - fine grained with occasional blebs of Py & Po & v. minor Sp. Contacts sharp with no definite signs of chilling.									
190.2	199.5	ANDESITES Section commences with a brown biotitic colour for first 1.0'. A gradual change to an overall green colour occurs below 191.2. The foliation noted in the preceding andesitic unit dies away below 193.5 when the unit becomes more massive. 191.0-191.2 Q.C. band. 191.6 Q.C. vein. 192.4-192.5 Q.C. vein. 193.1 Q.C. vein. 194.8-195 Suggestion of pillow selvages, minor Py, Po. 195.4-195.5 Py, Po concentration. 196.7-196.8 Suggestion of pillow selvage. 198.2-198.6 Q.C. veinlets. E.O.H. 199.5 CASING PULLED.									

DIAMOND DRILL RECORD

EXTRA ASSAYS (OTHER SIDE OF CORE)

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-15

SHEET NO. 7

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	Au. OZ./TON	Ag. OZ./TON
					FROM	TO	TOTAL				
		ORIGINAL ASSAY NO.									
		67707 (	67272		52.0	54.0	2.0			.01	Nil
		67707 (	73		54.0	56.0	2.0			Tr.	Nil
		67707 (	74		56.0	57.5	1.5			Tr.	Nil
		67707 (	75		57.5	59.0	1.5			Tr.	Nil
		67708	76		59.0	60.9	1.9			Tr.	Nil
		67709	77		60.9	63.5	2.6			Tr.	Nil
		67710	78		63.5	64.9	1.4			Tr.	.48
		67711 (	79		64.9	67.0	2.1			Tr.	Nil
		67711 (	80		67.0	69.0	2.0			Tr.	Nil
		67712	81		69.0	71.9	1.9			Tr.	Nil
		67713 (	82		71.9	73.0	1.1			Tr.	Nil
		67713 (	83		73.0	75.0	2.0			Tr.	Nil
		67713 (	84		75.0	77.2	2.2			Tr.	.32
		67714 (	85		77.2	78.6	1.4			Tr.	.36
		67714 (	86		78.6	80.4	1.8			.02	.20
		67715 (	87		80.4	82.0	1.6			Tr.	.32
		67715 (	88		82.0	84.5	2.5			Tr.	.22
		67716	89		84.5	86.1	1.6			.01	Nil
		67717 (	90		86.1	88.1	2.0			Tr.	.20
		67717 (	91		88.1	90.1	2.0			Tr.	.10
		67718 (	92		90.1	92.0	1.9			Tr.	Nil
		67718 (	93		92.0	94.7	2.7			Tr.	Nil

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

Extra Assays

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-15

SHEET NO. 8

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	Au. OZ./TON	Ag. OZ./TON
					FROM	TO	TOTAL				
		67719	(94		94.7	97.0	2.3			Tr.	Nil
			(95		97.0	99.0	2.0			Tr.	.06
		67720		96	99.0	101.1	2.1			Tr.	.14
		67721	(97		101.1	102.4	1.3			Tr.	Nil
			(98		102.4	104.8	2.4			Tr.	.10
		67722	(99		104.8	106.0	1.2			Tr.	Nil
			(67300		106.0	108.3	2.3			Tr.	Nil
		67723	(67401		108.3	110.0	1.7			Tr.	Nil
			(02		110.0	112.6	2.6			Tr.	.20
		67724	(03		112.6	114.0	1.4			Tr.	.12
			(04		114.0	116.1	2.1			Tr.	Nil
		67725		05	116.1	118.9	2.8			.01	.55

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-15 SHEET NO. 9

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ. TON	OZ. TON
					FROM	TO					TOTAL
		<u>SLUDGE ASSAYS</u>								
	<u>Metres</u>	<u>Feet</u>	<u>Au.</u>	<u>Ag.</u>						
	3-6	10-20	Tr.	Nil						
	6-9	20-30	.02	.42						
	9-12	30-39	.04	.54						
	12-15	39-49	.02	.44						
	15-18	49-59	Tr.	.46						
	18-21	59-69	Tr.	Nil						
	21-24	69-79	Tr.	.30						
	24-27	78.7-88.7	4.90	1.10						
	27-30	89-98	.19	.31						
	30-33	98-108	.42	Nil						
	33-36	108-118	.05	.25						
	36-39	118-128	.07	.39						
	39-42	128-138	.04	.36						
	42-45	138-158	.16	.40						
	45-48	148-158	.03	.13						
	48-51	158-168	.03	.03						
	51-54	168-177	.02	.08						
	54-57	177-187	.02	.10						
	57-60	187-197	.06	Nil						

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-16 LENGTH _____
 LOCATION McFinley Peninsula
 LATITUDE 7+00S DEPARTURE 1+55W
 ELEVATION _____ AZIMUTH Grid South DIP -45°
 STARTED 19/4/1983 FINISHED 20/4/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 83-16 SHEET NO. 1

REMARKS _____

Drilled by St. Lambert

LOGGED BY J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	Au. OZ/TON	Ag. OZ/TON
					FROM	TO	TOTAL				
0	43.9	CASING									
43.9	58.0	CHERT UNIT Interbedded grey white cherts and brown black tuff. Much brecciation & contortion with Q.C. veins & veinlets. Trace of Py, AsPy, Sp & Po. Banding 15° CN approx.	67340		43.9	46.0	2.1			Tr.	0.22
			67341		46.0	48.0	2.0			Tr.	Nil
			67342		48.0	50.0	2.0			Tr.	.24
			67346		50.0	52.0	2.0			Tr.	.08
			67343		52.0	54.0	2.0			Tr.	Nil
			67344		54.0	56.0	2.0			.03	.05
			67345		56.0	58.0	2.0			Tr.	.08
58.0	146.4	ANDESITES Green fine grained rock with a suggestion of selvages over first 10'. Very occasional Q.C. bands and veinlets - randomly oriented. 107' approx. Colour change from green to brown (biotitic?). Q.C. bands & veins becoming more common. 121' approx. Colour change from brown to green. Q.C. less common. 125.5-126.3 Banded Q.C. Tuffaceous?									
146.4	151.9	CHERT UNIT Grey white chert (banded) interbedded with brown-black tuffs. Occasional Q.C. Minor Bx & contorted bedding. Some quite chloritic bands. Localised minor garnet growth. Banding 20° CN. V. minor Po, Tr. Py, AsPy. Trace Magnetite?	67347		146.4	148.4	2.0			Tr.	.16
			67348		148.4	150.4	2.0			.07	.09
			67349		150.4	151.9	1.5			.02	.90
151.9	217.4	ANDESITES Brown (biotitic?) fine grained rock, occasional Q.C. veinlets randomly oriented. First 5' shows abundant microveinlets of Q.C. 170.8-172.5 Bx section. 172-5-173.6 Minor grey cherty Q.C. unit. Minor Po, green chlorite Tr. Py, AsPy. Bands 25° CN.	67350		170.8	172.5	1.7			.03	.47
			67351		172.5	173.6	1.1			.02	.22

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-16

SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	Au. OZ. TON	Ag. OZ. TON	
					FROM	TO	TOTAL					
151.9	217.4	176.8										
		186.0										
		195.2-199.4	67303		195.2	198.0	2.8			Tr.	Nil	
			67304		198.0	199.4	1.4			.02	.08	
		199.4										
		203.6-203.7										
		206.9-207.2	67306		206.7	207.7	1.0			.01	Nil	
		207.7										
		212.0										
217.4	218.8	CHERT UNIT Gray white chert banded with green chlorite, Q.C. bands and v. minor magnetite(?). Minor Py, v. minor Po. Thin Q.C. veinlets almost parallel to core axis. V.G. in small contortion or fold.	67266		216.8	218.8	2.0			17.73	3.11	V.G.
218.8	231.9	ANDESITES	67305		218.8	220.9	2.1			Tr.	.62	
		Green fine grained andesites. Occasional Q.C. vein & bands (?inter-pillow). Suggestion of pillow selvages.	67307		220.9	222.9	2.0			.01	Nil	
			67308		222.9	224.9	2.0			.08	Nil	
		230.0 approx. Colour change to brown (biotitic).	67309		224.9	226.8	1.9			.01	Nil	
			67310		226.8	228.7	1.9			Tr.	Nil	
231.9	235.4	QUARTZ PORPHYRY	67311		228.7	230.9	2.2			Tr.	Nil	
		Medium to light grey unit with phenocrysts of quartz in a siliceous fine grained matrix. Upper margin fine grained (?chilled). Q.C. veins at upper contact. Trace Po & Py. Occ. Q.C. veings.	67312		230.9	231.9	1.0			.02	.04	
			67313		231.9	233.9	2.0			Tr.	.44	
		232.5 Q.C. veinlet Ga.	67314		233.9	235.4	1.5			Tr.	.50	
		234.8 Q.C. veinlet Ga.										
235.4	241.0	DIORITE DYKE	67315		241.0	243.0	2.0			Tr.	.46	
		Coarse grained gray green unit. Fine grained upper and lower margins. Dark green ferromagnesian phenocrysts in a medium gray finer grained matrix.	67316		243.0	245.1	1.1			Tr.	.32	
			67317		245.1	247.1	2.0			Tr.	.42	
			67318		247.1	248.3	1.2			Tr.	.44	

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-16

SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	Au oz/TON	Ag oz/TON
					FROM	TO	TOTAL				
241.0	248.3	QUARTZ PORPHYRY Similar to above quartz porphyry at 231.9-235.4. Q.C. veins (up to 2°). Trace Py & Po.									
248.3	260.0	ANDESITES Green fine grained unit - occ. Q.C. bands, veins & veinlets - randomly oriented.	67319		248.3	250.3	2.0			Tr.	1.08
			67320		250.3	252.3	2.0			.02	.58
			67321		252.3	259.2	1.9			Tr.	.56
			67322		254.2	256.0	1.8			Tr.	.66
			67267		256.0	257.7	1.7			1.85	.25
260.0	261.5	CHERT UNIT Gray white banded chert minor magnetite in bands. Occ. green chlorite. Infrequent brecciation. Banding 15° CN. Trace Py & Po.	67323		257.7	259.7	2.0			.02	.54
		260.8 Small speck of V.G.?	67324		259.7	261.7	2.0			Tr.	.28
261.5	267.6	ANDESITES Brown (biotitic?) green fine grained for first part of section, then gradual colour change at 263.0 approx. to grey green with a somewhat siliceous appearance. A definite foliation at about 10-15° CN developed in grey green sections - tuffaceous? Occasional randomly oriented Q.C. veins up to 2" wide.	67325		261.7	263.7	2.0			Tr.	.34
		264.5 Colour change to brown (biotitic?).	67326		263.7	265.8	2.1			Tr.	.18
		264.9 Colour change back to gray green with foliation.	67327		265.8	267.3	1.5			.26	Nil
			67268		267.3	269.4	2.1			.07	.04
			67269		269.4	270.6	1.2			.08	.24
267.6	270.8	CHERT UNIT Brecciated gray white cherty unit with subordinate Q.C. Minor Py & Po. Specks of V.G. ? - very small.	67328		270.8	272.8	2.0			.03	Nil
			67329		272.8	274.8	2.0			.02	Nil
			67330		274.8	276.6	1.8			Tr.	Nil
270.8	285.5	ANDESITES Fine grained green andesites over first 1.0' approx., then a definite brown colouration takes over (biotitic?). Occ. randomly oriented Q.C. bands, veins and veinlets. Rare short sections of microbreccia.	67331		276.6	278.5	1.9			.02	Nil
			67332		278.5	281.5	3.0			.02	.12
			67333		281.5	283.5	2.0			Tr.	.10
			67334		283.5	285.5	2.0			Tr.	Nil
			67270		285.5	287.9	2.4			0.28	0.37
			67271		287.9	289.6	1.7			2.36	0.96
285.5	289.4	CHERT UNIT Banded grey white chert with subordinate Q.C. Some contorted and uneven bedding. Minor magnetite. Minor banded & blebs of Po & Tr. Py. Banding 20° CN. 289.2 Coarse V.G. associated with a blue quartz vein.									

V.G.

V.G.

V.G.

V.G.

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

 NAME OF PROPERTY McFinley, Red Lake, Ontario

 HOLE NO. 83-16

 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	Au oz/TON	Ag oz/TON
					FROM	TO	TOTAL				
289.4	306.0	ANDESITES Fine grained green to greyish green andesites - tuffaceous? Randomly oriented Q.C. veins & veinlets - also green chloritic? veins, often almost parallel to core axis. 291.0-297.0 Greenish grey white unit with transitional boundaries. Frequent Q.C. veining. Definite foliation develops and then fades out. 297.0 Gradual colour change to brown (biotitic?). 297.9-298.4 Q.C. vein. Tr. Py, Po. 301.0-301.7 Cherty aspect to Q.C. band. Moderate Py, v. minor Sp. and Tr. AsPy. Rare garnets. Band 10° CN.	67335		289.6	291.6	2.0			Tr.	.08
306.0	307.4	* Cherty Q.C. unit. Banded at approx. 10° CN but mostly Bx. "SINTER DEPOSIT." 306.6-306.8 Massive Sp & Po. 307.0 Band of massive Sp. Minor Py. V. minor AsPy. Tr. Ga & Cpy.	67336		297.9	298.4	1.5			.01	.37
		** 308.5 Q.C. band. Moderate Py.	67337		301.0	301.7	0.7			.06	.72
307.4	400.4	311.4-312.0 Band chert - grey white and Q.C. Bands 15° CN. Moder- ate Py, minor magnetite. Minor Po. 314.8-315.0 Q.C. vein. 315.1-315.4 Q.C. vein. 321.3-321.4 Cherty Q.C. vein. Minor Py, Po. Pillow rim? 323.6-323.7 Cherty Q.C. vein. Minor Py, Po, Tr. Sp. Pillow rim? 324.9-325.1 Q.C. vein. 326.8-328.2 Brecciated Q.C. section. Tr. Py. 329.8-329.9 Q.C. vein. 331.7-332.0 Q.C. rich band ptygmatic veinlets. Tr. Sp. V. minor Py. 332.9-333.3 Q.C. vein. 334.3-335.6 Q.C. vein. 335.1-336.1 Q.C. vein. 336.7-337.2 Q.C. vein. 338.3-339.9 Q.C. vein. 340.1-341 Q.C. vein. 345.3-345.7 Bx Q.C. vein, green chlorite. 346.5-347.1 Bx Q.C. vein, green chlorite.	67338		305.6	307.4	1.8			.05	2.31
			67339		326.8	328.2				.02	.38

* MAIN SULPHIDE UNIT ("D" ZONE)

** ANDESITES (cont'd)

DIAMOND DRILL RECORD

 NAME OF PROPERTY McFinley, Red Lake, Ontario

 HOLE NO. 83-16

 SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPH IDES	FOOTAGE			%	%	Au. OZ. TON	Ag. OZ. TON
					FROM	TO	TOTAL				
289.4	400.4	Med. green fine grained unit with a strong foliation at about 10° CN. Q.C. veins & veinlets common following foliation.	67255		354.4	357.6	3.2			.01	Nil
		354.7 Q.C. veinlet.	67256		357.6	362.1	4.5			Tr.	Nil
		355.2-355.3 Q.C. vein.	67257		362.1	366.3	4.2			.01	Nil
		355.8-357.3 Bx section.	67258		366.3	370.0	3.7			Tr.	Nil
		358.7-359.5 Bx section.	67259		370.0	374.1	4.1			Tr.	Nil
		362.1-363.0 Dissem. Po. Q.C. stringers.	67260		374.1	377.8	3.7			Tr.	Nil
		364.0-364.1 Q.C. band.	67261		377.8	381.7	3.9			Tr.	.18
		365.0-365.3 Q.C. band.	67262		381.7	386.2	4.5			Tr.	.10
		365.7-366.2 Q.C. band, some brecciation.	67263		386.2	390.8	4.6			Tr.	Nil
		366.4 approx. Colour change to brown - more massive, no foliation.									
		366.4-366.6 Q.C. vein.									
		368.1 End of zone with Q.C. Bx.									
		376.0 Gradual colour change back to green. Foliation gradually reappears.									
		381.7-381.7 Q.C. vein.									
		385.4 Colour change to light grey brown. Start of somewhat bleached and brecciated section, numerous stringers & veinlets of Q.C. Note also blue quartz veinlets.									
		388.6-388.7 Short section of dark grey fine grained material dyke of dacite?									
		399.0 End of grey brown bleached section. Colour change to green.	67264		390.8	395.1	4.3			Tr.	Nil
		400.4 E.O.H. CASING PULLED. (ACTUAL FOOTAGE MEASURED TO 399.2)	67265		395.1	399.2	4.1			Tr.	Nil

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-16 SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPH. IDES	FOOTAGE		%	%	OZ. / TON	OZ. / TON
					FROM	TO					TOTAL
		<u>SLUDGE ASSAYS</u>								
		<u>Metres</u>	<u>Feet</u>	<u>Au.</u>	<u>Ag.</u>					
		13-15	43-49	.01	.21					
		15-18	49-59	Tr.	.26					
		18-21	59-69	Tr.	.14					
		21-24	69-79	.01	.03					
		24-27	79-89	Tr.	Nil					
		27-30	89-98	Tr.	Nil					
		30-33	98-108	.02	.14					
		33-36	108-118	.02	.10					
		36-39	118-128	.02	Nil					
		39-42	128-138	.03	.23					
		42-45	138-148	Tr.	Nil					
		45-48	148-158	.06	.18					
		48-51	158-168	.04	.16					
		51-54	168-177	.01	Nil					
		54-57	177-187	.02	.18					
		57-60	187-197	Tr.	Nil					
		60-63	197-207	Tr.	.16					
		63-66	207-217	.02	Nil					
		66-69	217-226	2.30	.54					
		69-72	226-236	2.62	.62					
		72-75	236-246	.81	Nil					
		75-78	246-256	.64	Nil					
		78-81	256-266	.59	.05					
		81-84	266-276	.62	Nil					
		84-87	276-285	.46	Nil					
		87-90	285-295	1.79	.37					
		90-93	295-305	.59	.25					
		93-96	305-315	1.00	.62					
		96-99	315-325	.48	.20					
		99-102	325-335	.41	Nil					

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-16 SHEET NO. 7

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ./TON	OZ. TON
					FROM	TO					TOTAL
		<u>Sludge Assays</u>								
		<u>Metres</u> <u>Feet</u> <u>Au.</u> <u>Ag.</u>								
		102-105 335-344 .22 Nil								
		105-108 344-354 .15 .67								
		108-111 354-364 .12 .30								
		111-114 364-374 .16 .26								
		114-117 374-384 .10 .10								
		117-120 384-394 .12 .36								
		120-123 394-404 .31 .53								

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-17 LENGTH _____
 LOCATION McFinley Peninsula
 LATITUDE 7+00S DEPARTURE 1+55W
 ELEVATION _____ AZIMUTH _____ DIP _____
 STARTED 15/5/1983 FINISHED 18/4/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 83-17 SHEET NO. 1

REMARKS _____

Drilled by St. Lambert

LOGGED BY J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Au. OZ/TON	Ag. OZ/TON	
					FROM	TO					TOTAL
0	36.8	CASING									
36.8	67.0	CHERTY IRON FORMATION Grey white chert banded with minor dark grey blue magnetite, green chlorite and minor sulphides, chiefly Po & Py. Tr. AsPy, Cpy, Ga and Sp. Banding 50° CN. Mostly planar but short sections somewhat brecciated (see below). 40.5 Garnets associated with a green chlorite band. 47.3-47.4 Somewhat Bx section. 49.2-49.4 Bx section. 49.7 Garnets associated with green chlorite band. 51.3-51.7 Contorted slumped horizon. 52.3-53.4 Brecciated section. 52.6-52.7 Heavy Sp - not banded but in an "accumulation." 53.4-53.5 Garnets associated with green chlorite band. 54.0 From this point onwards, magnetite drops off almost completely, unit becomes a cherty "tuff." 57.1-58.1 Brecciated section. Q.C. in interstices. Garnets occasionally. Moderate Po, v. minor Sp. Tr. Ga. Base of unit difficult to define. Last chert noted in Bx section at approx. 58.0'. Brownish* tuff with interbedded Q.C. there after. Transitional base over 7' (to 67').	67352		36.8	39.3	2.5			Tr.	.26
			67353		39.3	41.4	2.1			Tr.	.34
			67354		41.4	43.6	2.2			Tr.	.16
			67355		43.6	45.6	2.0			.02	.18
			67356		45.6	47.7	2.1			.03	.25
			67357		47.7	49.2	1.5			.01	Nil
			67358		49.2	51.2	2.0			.01	Nil
			67359		51.2	53.3	2.1			.04	.16
			67360		53.3	55.3	2.0			.02	.20
67.0	272.6	ANDESITES Medium green fine grained rocks essentially massive. Infrequent Q.C. veins, bands and veinlets. 115.0 Colour change to more brown (biotitic?) 116.3-122.0 Section with heavy Q.C. veining & banding as follows. 118.4 Massive Py in Q.C. vein. 119.4-119.9 Q.C. bands & veinlets. Minor Bx at 119.4. 120.6-120.7 Q.C. vein. *coloured tuff(?)	67363		115.8	118.1	2.3			Tr.	Nil
			67364		118.1	120.1	2.0			Tr.	Nil
			67365		120.1	120.0	1.9			.01	Nil

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-17

SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	Au. OZ./TON	Ag. OZ./TON
					FROM	TO	TOTAL				
67.0	272.6	121.2-121.6 Q.C. vein. 122.5 approx. Colour change back to green. 173.9-174.0 Q.C. band. V. minor Py, Po, minor Sp. 174.1-174.3 Q.C. band, 3/8" massive Po. 182.1-182.3 Q.C. band. 182.5 Colour change to brown. Heavier Q.C. veining up to 3" & veinlets randomly oriented. 188.4-188.7 Cherty? quartz carbonate brecciated. Minor Po, Tr.Py. 197.0(?) - 199.8 CHERT UNIT. Section of grey white banded chert with Q.C. & green chlorite. V. minor Po, trace Py. Brecciated. Bands 35° CN. Note good example of crosscutting Q.C. veins.	67366		173.5	174.5	1.0			Tr.	.20
			67367		187.5	189.5	2.0			.03	.15
			67368		196.9	199.8	2.9			Tr.	.14
199.8	272.6	ANDESITES cont. 210.5-210.8 Banded Q.C. Minor cherty material. Bands 40° CN. 223.8-224.5 Q.C. band. 226.8-229.0 Banded Q.C. 229.2-229.4 Banded Q.C. 237.1-238.1 Q.C. band Bx. 238.7-238.8 Q.C. band, minor Po, Tr. Py, Sp, AsPy. 240.0-240.5 Q.C. band, brecciated. 243.1-243.4 Cherty Q.C. vein. 252.0-252.5 Bx section. 252.7-253.5 Q.C. section. Banded. Moderate-heavy Po & Py. Heavy Sp at 253.3. Tr. AsPy. Bands at 35° CN. 253.5-253.9 Bx section. 254.2-255.6 Cherty Q.C. section. Moderate Po, minor Py, Tr. Sp, AsPy. Bands at 35° CN. 260.0 Abundant green chlorite alteration commences at this point, i.e. colour change to green. 260.5-262.5 Chert unit (magnetite iron formation). Grey white banded chert. Minor magnetite, minor Py, Po & Sp. Minor Q.C. and brecciation. Bands at 40° CN. Specks of V.G. at 262'. 269.1-269.7 Q.C. vein. Brecciated. Tr. Po, Py, AsPy? 271.6-272.6 Brown colouration - biotitic?	67369		223.2	224.7	1.5			Tr.	.08
			67370		235.0	236.8	1.8			Tr.	.10
			67371		236.8	238.8	2.0			Tr.	.14
			67372		238.8	240.8	2.0			Tr.	Nil
			67373		243.0	244.0	1.0			Tr.	.14
			67374		252.0	254.0	2.0			.01	Nil
			67375		254.0	255.9	1.9			.01	Nil
			67376		255.9	258.0	2.1			Tr.	.08
			67377		258.0	260.0	2.0			Tr.	Nil
			67378		260.0	261.5	1.5			Tr.	Nil
			67379		261.5	262.5	1.0			.09	Nil
			67380		262.5	264.5	2.0			Tr.	.54
			67381		264.5	266.5	2.0			.01	1.09
			67382		266.5	268.5	2.0			Tr.	.34
			67383		268.5	270.5	2.0			Tr.	.16
			67384		270.5	272.6	2.1			Tr.	.30

V.G.

DIAMOND DRILL RECORD

 NAME OF PROPERTY McFinley, Red Lake, Ontario

 HOLE NO. 83-17

 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	Au. OZ./TON	Ag. OZ./TON
					FROM	TO	TOTAL				
272.6	274.9	QUARTZ PORPHYRY Grey white fine grained unit - minor Q.C. veinlet. Disseminated Py, Po. Sharp upper contact partially obscured by a Q.C. vein. Lower contact uneven and brecciated - DYKE?	67385		272.7	274.9	2.3			Tr.	.32
274.9	276.2	CHERT UNIT Indistinctly banded grey white chert. Passive Po. Q.C. moderate Py, v. minor Sp & Tr. AsPy. Occ. thin green chlorite bands. Bands at 45° CN.	67386		274.9	276.2	1.3			Tr.	.46
276.2	277.1	ALTERED ANDESITE (BIOTITIC?) Brown fine grained rock. Occ. veinlets of Q.C.	67387		276.2	277.1	0.9			.02	.10
277.1	283.1	DIORITE DYKE(?) Coarse grained unit consisting of a medium to dark green ferromagnesian mineral in a gray somewhat calcareous matrix. Upper and lower contacts finer grained suggesting chilling hence dyke classification.									
283.1	284.1	ALTERED ANDESITES (BIOTITIC?) Brown fine grained rock with abundant randomly oriented veinlets of Q.C.	67388		283.1	284.1	1.0			Tr.	.06
284.1	295.5	"QUARTZ PORPHYRY" Grey buff-white unit with occasional phenocrysts of quartz and pink feldspars. Occasional Q.C. veinlets, infrequent veinlets and blebs of Pv. 292.8-294.3 "RAFT" of brown biotitic andesite. Bands of Q.C. and occasional acid "tuff" material at 40° CN. Contacts uneven and lower one shows angular fragment of "acid" material incorporated. "Q.P." Basal contact uneven at approx. 5-10° CN.									
295.5	354.6	ANDESITES Fine grained unit with a definite brownish tinge over first 6', then dominantly green. First 3' small veinlets of Q.C. randomly oriented Short sections with a slightly brecciated appearance due to the Q.C. veinlets.									

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

 NAME OF PROPERTY McFinley, Red Lake, Ontario

 HOLE NO. 83-17

 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	Au. OZ/TON	Ag. OZ/TON
					FROM	TO	TOTAL				
295.5	354.6	A foliation appears from approx. 35' - tuffaceous in part? 306.3-306.6 Banded Q.C., minor Po. Bands 35° CN. 306.9-307.4 Q.C. bands. 320-320.2 Q.C. band in a green chlorite "matrix". 60° CN. 320.5-322 CHERT UNIT (MAGNETITE IRON FM.) Grey white chert with minor magnetite bands. 35° CN, v. minor Po, Tr. Py. 324.0-332.5 Change to pale gray-green - strong foliation - tuffaceous? 332.5-335.0 Gradual change to more brown & massive material. 335.0-338.3 CHERT UNIT (MAGNETITE IRON FM.) Grey white chert with minor magnetite bands. Q.C. Bx at 336.5-336.7. Minor Py, Po, concentrated on Bx. Bands 40° CN. 338.3 Change to brown coloured fine grained rock with veins & veinlets of Q.C. randomly oriented occasionally ptygmatic.	67389		320.0	322.0	2.0			Tr.	.18
354.6	367.2	CHERTY MAGNETITE IRON FORMATION ("D" ZONE) Grey white chert with interbedded with carbonate and blue gray magnetite. Mostly planar banding at 45° CN. Occasional cross-cutting veinlets of Q.C. and green chlorite & minor Po & Py. 360.0-361.2 Brecciated Q.C. section, minor Po, v. minor Py, Tr. Sp, Cpy & As Py. 361.2-362.3 Brown fine grained "tuffaceous" unit with dispersed garnets. 362.3-367.2 Essentially "brecciated" (i.e. little or nor planar bedding). Q.C./chert section. Minor Py, Tr. Sp, Cpy, AsPy. 364.8-364.9 Heavy Sp (crystalline) "SINTER UNIT" REPRESENTS MAIN SULPHIDE ZONE.	67392		354.6	356.0	1.4			.03	.21
			67393		356.0	358.0	2.0			Tr.	.08
			67394		358.0	359.8	1.8			.02	.06
			67395		359.8	361.2	1.4			.03	.21
			67396		361.2	362.3	1.1			Tr.	Nil
			67397		362.3	364.0	1.7			.41	1.17
			67398		364.0	366.0	2.0			.24	1.26
			67399		366.0	367.2	1.2			.04	.34
			67400		367.2	368.7	1.5			Tr.	.42
367.2	403.6	ANDESITES Unit commences with a fine grained brown coloured rock with occasional Q.C. veins & veinlets.									

LANGRIGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-17

SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Au. OZ./TON	Ag. OZ./TON			
					FROM	TO					TOTAL		
367.2	403.6	368.7-369.8	67406		368.7	369.8	1.1			Tr.	.16		
		371.0	67407		369.8	372.0	2.2			Tr.	.32		
		373.8-375	67408		372.0	373.8	1.8			Tr.	.44		
		382.6-383.2	67409		373.8	375.0	1.2			.01	.31		
		383.2	67410		375.0	377.0	2.0			Tr.	.32		
			67411		377.0	379.0	2.0			Tr.	Nil		
		386.5-386.8	67412		379.0	381.0	2.0			Tr.	Nil		
		391.5-393.7	67413		381.0	382.5	1.5			Tr.	Nil		
			67414		382.5	384.0	1.5			Tr.	Nil		
			67415		399.7	402.2	2.5			.01	Nil		
			67416		402.2	403.6	1.4			Tr.	.22		
		403.6	408.3	CHERTY MAGNETITE IRON FM.	67417		403.6	405.0	1.4			.08	.18
				Bands of grey white chert, minor magnetite & Po. Tr. Py, AsPy, short Bx sections. Bands 30° CN.	67418		405.0	407.0	2.0			Tr.	.50
	67419				407.0	408.3	1.3			.05	.11		
	67420				408.3	410.0	1.7			Tr.	.20		
408.3	439.7	ANDESITES											
		Brown coloured fine grained unit with a foliation developed by Q.C. bands - well seen at 409.5-412'.	67421		410.0	412.0	2.0			Tr.	Nil		
		413-413.3 Q.C. band, minor Po.	67422		412.0	414.0	2.0			.01	Nil		
		414 Colour change to green. Grey white foliation persisting. Section continues with occasional brecciated sections typical of explosion breccias. Essentially grey-green in colour with occasional narrow bands of brown biotitic? material. Q.C. bands relatively common, occasional randomly oriented Q.C. veins & veinlets.											
439.7	444.4	RHYOLITE OR QUARTZ FELDSPAR PORPHYRY Buff grey unit with phenocrysts of quartz & feldspar? Rare disseminated Po, Tr. Py. Upper and lower contacts concordant with "bedding." Upper contact somewhat brecciated, lower contact planar at 50-55° CN.											
444.4	462.7	ANDESITES Similar in all respects to unit preceding Q.F.P. 462.7 E.O.H. CASING PULLED.											

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-17 SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
		<u>SLUDGE ASSAYS</u>									
	<u>Metres</u>	<u>Feet</u>	<u>Au.</u>	<u>Ag.</u>							
	12-15	39-49	.06	Nil							
	15-18	49-59	.07	.93							
	18-21	59-69	.02	.14							
	21-24	69-79	.02	.24							
	24-27	79-89	Tr.	.18							
	27-30	89-98	Tr.	.10							
	30-33	98-108	Tr.	.12							
	33-36	108-118	Tr.	.40							
	36-39	118-128	Tr.	.84							
	39-42	128-138	.02	.24							
	42-45	138-148	Tr.	.54							
	45-48	148-158	.01	.17							
	48-51	158-168	.02	.51							
	51-54	168-177	.01	.23							
	54-57	177-187	.01	.07							
	60-63 NB	197-207	.05	Nil							
	60-63 NB	197-207	.01	.13							
	63-66	207-217	Tr.	.08							
	66-69	217-226	.01	Nil							
	69-72	226-236	Tr.	Nil							
	72-75	236-246	.01	.05							
	75-78	246-256	Tr.	Nil							
	78-81	256-266	Tr.	Nil							
	81-84	266-276	.02	Nil							
	84-87	376-285	.02	.06							
	87-90	285-295	Tr.	Nil							
	90-93	295-305	Tr.	Nil							
	93-96	305-315	Tr.	Nil							
	96-99	315-325	Tr.	Nil							
	99-102	325-335	Tr.	Nil							
	102-105	335-344	Tr.	Nil							
	105-108	344-354	.02	Nil							
	108-111	354-364	.03	.03							

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-17 SHEET NO. 7

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH IDES	FOOTAGE			%	%	OZ/TON	OZ TON
					FROM	TO	TOTAL				
		<u>Sludge Assays cont.</u>									
		111-114 364-374 .23 .73									
		114-117 374-384 .08 .42									
		117-120 384-394 .06 .42									
		120-123 394-404 .02 Nil									
		123-126 404-412 .04 Nil									
		126-129 412-423 .04 Nil									
		129-132 423-433 .03 Nil									
		132-135 433-443 .01 .15									
		135-138 443-453 .02 .16									
		138-141 453-463 .01 Nil									

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-18 LENGTH _____
 LOCATION McFinley Peninsula
 LATITUDE 7+00S DEPARTURE 1+55W
 ELEVATION _____ AZIMUTH Grid South DIP -80°
 STARTED 12/4/1983 FINISHED 15/4/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 83-18 SHEET NO. 1

REMARKS _____

Drilled by St. Lambert.

LOGGED BY J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Au. OZ./TON	Ag. OZ./TON
					FROM	TO					TOTAL
0	33.9	CASING								
33.9	47.3	ANDESITES Medium to dark green medium grained unit with infrequent quartz carbonate veinlets. Unit becomes progressively finer grained over bottom 1.0'. Chilled margin?								
47.3	72.5	CHERTY IRON FORMATION Banded grey to white cherts, "tuffs"(minor) magnetite, green chlorite and subordinate Po, Py. Banding 40° CN. Occasional crosscutting veinlets of sulphide - chiefly Py. Minor Q.C. occurs throughout. 61.5 Chlorite band with associated garnets, Q.C. 65.0 Chlorite band with garnets and Q.C. Transitional bottom contact. Intercalations of biotitic brown andesites (tuff?) occur over last 4' of unit.	67734		47.3	51.0	3.7			.10
			67735		51.0	55.7	4.7			.02
			67736		55.7	59.0	3.3			.02
			67737		59.0	63.7	4.7			.02
			67738		63.7	67.1	3.4			.04
			67739		67.1	72.5	5.4			.01
72.5	231.7	ANDESITES Top 5' has a definite foliation in a brown biotitic fine grained unit. The foliation is emphasized by occasional thin Q.C. laminae. Unit then becomes dominantly green and fine grained. Some sections foliated, therefore unit may be tuffaceous in part. 97.6-98.5 Q.C. vein parallel to core with fluorite. 104.4-104.9 Q.C. vein at high angle to core normal with fluorite. 112.0-112.7 Q.C. veinlets. 115.3-115.4 Q.C. band. 121.1-121.6 Q.C. bands. 124.6 Q.C. vein. 128.5-128.6 Q.C. vein. 130.0-130.7 Q.C. vein, minor green chlorite. Purple tinge suggests traces of fluoroite.								

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-18

SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	Au. OZ./TON	Ag. OZ./TON
					FROM	TO	TOTAL				
72.5	231.7	131.3-132.7 Q.C. veins. 133.0-133.7 Q.C. veinlets. 142.6 and 142.7 Small Q.C. veinlets - purple tinge suggest fluorite. 145.3-145.4 Q.C. vein. 147.6-147.7 Q.C. veinlets. 149.1-149.3 Q.C. vein & veinlets. 149.5 Q.C. veinlet. 154.7-154.8 Q.C. veins. 158 Q.C. veinlets. 162.3 Q.C. veinlet. 164.5-164.7 Q.C. inclusion. 165.1-165.6 Q.C. veins & veinlets. 170.6-173.2 Section with strong foliation delineated by Q.C. veinlets. Brownish gray alteration to andesitic country rock, minor micro brecciation present. Bands dip about 40° CN. 182.7-184.2 Section with .1' Q.C. veins (with chlorite) at "top" & "bottom" and minor anastromising veinlets and inclusions of Q.C. throughout. 186.8-187.1 Q.C. vein with green chlorite. Chlorite has a dendritic structure. 187.7-188.3 Q.C. veins with chlorite. Brecciated country rock. 188.6 Q.C. veinlet. 189.0 Q.C. vein with Py and Sp. Anastromising veinlets of Q.C. to 189.5. 191.5-191.7 Q.C. vein with green chlorite. 192.6 Suggestion of pillow selvage. 192.9 Q.C. vein. 194.3-194.5 Q.C. "vein" - possible pillow rim? Minor P, Po and and a dark gray mineral. Minor chlorite. 194.3-203.0 "ALTERED SECTION" Section commences with a grey white fine grained rock with multiple hairline cracks occasionally "healed" with Q.C. A gradual colour change through medium-gray through green grey occurs through the section. Green andesites recommence at 203' approximately. The core is broken and most of the broken faces carry a									

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-18 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	Au. OZ. TON	Ag. OZ. TON
					FROM	TO	TOTAL				
72.5	231.7	194.3-203.0 cont. schistose talcy surface. The section is micro brecciated throughout with a "bleached" appearance along fracture lines. This "bleaching" diminishes towards the base of the section. Base of section comprised of a chlorite schist at the contact. Minor Py occurs in blebs through the section.	67301		204.1	205.4	1.3			.02	.08
		204.9-205.4 Somewhat brecciated section with Q.C. veinlets. Inter-pillow breccia?	67302		205.4	206.7	1.3			Tr.	.22
		206.0-208.5 Somewhat brecciated section with Q.C. minor chlorite - possibly interpillow breccia? V.G. Three small specks of V.G. at 207.35. Occur in a Q.C. matrix.	67741		206.7	208.5	1.8			.272	.07
		211.0 Possible pillow selvage, minor chlorite and quartz carbonate.	67743		208.5	212.1	3.6			.002	.03
		211.5-213.7 Section containing Q.C. "inclusions" - gradational boundaries - Q.C. alteration? Poorly defined "veins" rich in Q.C. also.	67744		212.1	216.6	4.5			Tr.	.02
		219.3-219.6 Q.C. band. Minor green chlorite. Trace Py.	67745		216.6	220.7	4.1			Tr.	.02
		220.5 Possible pillow selvage.	67746		220.7	225.0	4.3			Tr.	.03
		226.5 Q.C. band.	67747		225.0	229.0	4.0			Tr.	.04
		229.6-230.2 Q.C. veins & veinlets.	67748		229.0	231.7	2.7			.002	.04
		230.4-230.7 Q.C. veinlets.									
		231.2-231.7 Thin Q.C. bands parallel to "bedding" (?) & crosscutting Q.C. veinlets. Contact with underlying at 231.7 sharp and defined at top of first cherty band. Note: somewhat brown biotitic appearance over last 1.0'.									
231.7	236.3	CHERTY "TUFF" Interbedded grey white chert and black "tuff" bands. Q.C. present chiefly in association with the chert. Minor brecciation seen at approx. 234.0'. Minor contorted bedding. Very thin bands of green chlorite occur 234.2 and 235.2. Minor garnet development 234.6-234.9. Minor banded Po with occasional Py. Trace of Sp, Ga and AsPy. Banding generally 45° CN. Possibly some core loss at base of section.	67742		231.7	236.3	4.6			.056	.30
			67749		236.3	241.0	4.7			.006	.05
			67750		241.0	243.3	2.2			.010	.04

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-18 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	Au.	Ag.
					FROM	TO	TOTAL			OZ TON	OZ TON
236.3	333.4	ANDESITES									
		236.3-241.6 Brownish biotitic section with anastomising Q.C. veinlets.									
		241.2 Q.C. band.									
		241.6-242.7 Thin section of cherty material with Q.C. banded at 40° CN to 241.8. Brecciated and contorted to base at 242.7									
		242.7- Brownish biotitic(?) section with very frequent thin randomly oriented Q.C. veinlets and occasional thicker veins & bands of Q.C. Some sections have an overall brecciated aspect with little relative movement between fragments. Salient features are noted below.	67201		243.2	246.1	2.9			.02	.07
			67202		246.1	250.7	4.6			.01	.06
		243.0-243.1 Q.C. vein.) Section									
		244.1-244.3 Q.C. vein.) contains									
		244.5-244.6 Q.C. vein.) numerous small									
		245.3 Q.C. veinlet.) (1/16"-1/8")									
		245.9-246.1 Q.C. vein, crosscutting AsPy veinlet.) Q.C. veinlets									
		246.2 Q.C. vein.)									
		246.3 Q.C. vein.)									
		246.6-246.7 Q.C. vein.)									
		247.8 Q.C. vein.)									
		247.9-248.6 Q.C. vein.)									
		248.9-249.2 Well developed Bx.)									
		249.5 Q.C. vein.) Section contains									
		249.6 Q.C. vein.) numerous small									
		249.8 Q.C. vein.) (1/16"-1/8")									
		250.8 Q.C. vein.) Q.C. veinlets									
		252.0 Q.C. vein.)									
		252.3 Q.C. vein.)									
		252.5 Q.C. vein.)									
		252.7 Q.C. vein.)									
		252.8 Q.C. vein.)									
		254.3-254.4 Q.C. vein.)									
		254.5-255.5 Section with crosscutting Q.C. bands of green black chlorite, minor garnets & brecciation.)									

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-18

SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	Au OZ TON	Ag OZ TON
				FROM	TO	TOTAL					
236.3	333.4	256.4 Q.C. vein.)									
		256.6 Vein Q.C.)									
		257.2 Q.C. vein.)									
		257.4 Q.C. vein.)									
		258.4 Q.C. vein.)									
		258.7 Q.C. vein.)									
		259.2-259.3 Q.C. veins.									
		260.1-260.3 Q.C. veins.	67205		257.8	261.7	3.9			.01	.07
		260.3-260.7 Cherty Q.C. interbedded with "tuff". Bands 50° CN, minor Po.									
		262.0-263.3 Section with extensive Q.C. veins & veinlets.									
		264.4-264.8 Brecciated section. Breccia associated with a chloritic garnetiferous band at 50° CN. Minor Po.									
		266.1-266.6 Crosscutting Q.C. veins. Po (minor).	67206		261.7	265.8	4.1			.01	.08
		267.2 Q.C. vein. Minor Po.	67207		265.8	270.4	4.6			.01	.07
		267.8 Q.C. vein. Minor Po.	67208		270.4	274.5	4.1			.03	.07
		268.2 Q.C. vein.	67209		274.5	278.6	4.1			.01	.06
		268.4 Q.C. vein.	67210		278.6	282.6	4.0			Tr.	.06
		269.2 Po "inclusion."	67211		282.6	286.0	3.4			.02	.07
		270.3 Q.C. vein.									
		270.6-271 Q.C. veinlets, pygmatic.									
		270.4 Q.C. vein.									
		276.0-276.4 Q.C. vein pygmatic.									
		276.6 Q.C. veinlets.									
		276.8-277.2 Q.C. veinlets.									
		277.7 Q.C. veinlets.									
		278.0 Q.C. vein.									
		278.5 Q.C. veinlets.									
		280.0 Q.C. veinlets									
		280.5-280.9 Q.C. veins & veinlets, minor Po, Py. Tr. AsPy, minor Sp.									
		281.0 Q.C. veinlets.									
		282.7-284.2 Banded grey white grey green chloritic chert and Q.C. unit, banding 45° CN. Minor banded Po, Py.									
		284.7-284.9 Q.C. vein.									
		285-286.0 Numerous 1/8"-1/4" randomly oriented Q.C. veinlets. Brecciated aspect.	67212		286.0	289.0	3.0			.01	.08

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-18 SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Au. OZ TON	As. OZ TON	
					FROM	TO					TOTAL
236.3	333.4	286.8-287.1 Brecciated Q.C. section. 286.6-286.9 Q.C. veins. 286.9-288.4 Numerous 1/8"-1/4" randomly oriented Q.C. veinlets. Brecciated aspect. 288.4-288.8 Q.C. vein, grey green chloritic aspect, minor Po. 289.1 Q.C. veinlet. 289.3 Q.C. veinlet. 289.6 Q.C. veinlet. 290.2-290.6 Ptygmatic Q.C. veins - brecciated aspect. 291.7 Q.C. veinlet. 292.0 Q.C. veinlet. 292.0 Q.C. veinlet. 292.3-292.8 Base of biotitic? section at 292.2. Green, somewhat chloritised section to 292.8. 292.8-301.3 Coarse grained unit with small often lathlike crystals of a dark green ferromagnesian mineral. Green chlorite crystals and rare inclusions in a grey-green white calcaceous matrix. "Top" relatively fine grained. "Bottom" coarse grained. Carbonatized andesitic flow? Tr. Po & Py. 301.3-305.2 Essentially massive green/brown andesitic section with numerous thin randomly oriented and ptygmatic Q.C. veinlets. Po and minor Py occurs frequently throughout the section in veins & blebs. 305.2-305.6 Q.C. vein & veinlets. 305.9-309.4 Extensive Q.C. vein showing brecciation of country rock. Tr. Po & Py. Green talc? Chlorite inclusions in Q.C. 309.4 Strongly chloritised section - extensive alteration to medium green chlorite. Matrix of unit quite crystalline with crystals of a dark green-black ferromagnesian mineral in an overall chloritic and calcareous groundmass. Bands of Q.C. occur at intervals throughout. 309.9 Q.C. band. 310.7-310.8 Q.C. bands.									
			67213		289.0	292.8	3.8			.01	.06
			67214		292.8	298.1	5.3			Tr.	.04
			67216		301.3	305.2	3.9			Tr.	.06
			67217		305.2	310.1	4.9			Tr.	.07

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-18

SHEET NO. 7

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	Au. OZ TON	Ag. OZ TON
					FROM	TO	TOTAL				
236.3	333.4	311.4-311.6 Light green band - dominantly Q.C. Margins distinct but blurred suggesting alteration.									
		312.2 and 312.3 Veinlets of Sp.									
		312.6-313.2 Banded and crosscutting veinlets of Q.C. Green chlorite, Po, minor Sp, trace AsPy, Py and Cpy. Small garnets developed in bands also. Banding 50° CN.	67218		310.1	315.0	4.9			.012	.15
		313.3 Q.C. bands.									
		313.6-315 Banded Q.C. & chlorite. Minor Po in bands and cross-cutting veinlets. Trace Py. Bands 50° CN.									
		315.2-315.4 Light green Q.C. band.									
		315.6-315.7 Light green Q.C. band.									
		316.5 Q.C. vein.									
		316.8 Q.C. vein.									
		317.1 Q.C. veinlets.									
		317.5 Q.C. veinlets.	67219		315.0	319.0	4.0			.002	.06
		317.7 Q.C. veinlets.									
		316.7-323.5 Brownish biotitic? section. Occ. Q.C. veinlets.									
		323.8-328.1 Green chloritic unit with garnets, occ. bands of magnetite, minor banded sulphides (chiefly Py & Po) and occ. green-grey Q.C. bands. Cherty aspect to some sections but not true chert. Bands 40° CN. approx.									
		328.1-331.4 Somewhat green chloritic unit continues but with no garnets, very little sulphides and no magnetite.	67220		319.0	323.0	4.0			.002	.05
		328.2-329 Q.C. vein, almost parallel to core axis.	67221		323.0	327.2	4.0			.016	.07
		329.3-331.2 Micro veinlets of Q.C. at 70°-80° CN.									
		331.4-333.4 Somewhat browner coloured section biotitic?	67222		327.2	331.4	4.2			.006	.06
		332 Q.C. band.									
		333.1 Q.C. veinlets.	67223		331.4	333.4	2.0			.004	.05
		333.3-333.4 CHLORITIC BAND WITH GARNETS									
333.4	336	CHERTY IRON FORMATION Interbedded grey white chert, grey magnetite, minor chlorite and Q.C. Minor sulphides - chiefly Po & Py. Sections with planar, contorted and microbrecciated bedding. Garnet development at 334.1-335.0. Garnets in chloritic band and also in the chert.	67224		333.4	336.0	2.6			.004	.07

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-18 SHEET NO. 8

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	Au. OZ TON	Ag. OZ TON
					FROM	TO	TOTAL				
333.4	336	Top contact has an uneven slumped appearance. Bottom contact relatively sharp. Banding - where planar - 30° CN.									
336.0	338.6	ANDESITE Brown green fine grained section - exclusively chloritised, minor brecciation. Numerous randomly orientated Q.C. veins and Q.C. inclusions. Bottom .5' appears to contain brown biotite. 337.4 Thin stringer of "Q.F.P." - grey to buff white fine grained acid igneous rock at approx. 50° CN.	67225		336.0	338.6	2.6			.006	.04
338.6	350.6	"QUARTZ FELDSPAR PORPHYRY" Buff grey white fine grained unit with indistinct phenocrysts of quartz & feldspar? Buff colour may indicate sericitisation. Infrequent pink-red phenocrysts of garnet? or feldspar? Section somewhat brecciated in places with wick 2" veins of Q.C. and two sections of white Q.C. as follows (boundaries approx. due to irregular brecciation.) Section contains occ. Py inclusions & blebs with subordinate Po and a trace of Cpy. 341.0 Crystalline Ca in Q.C. vein. 343.5-345 Q.C. vein (badly broken core). 348.2-349(?) Q.C. vein (badly broken core). Broken contact shows inclusion of fragments of underlying rock in "Q.F.P."	67226 67227 67228 67229		338.6 342.5 345.1 348.0	342.5 345.1 348.0 350.6	3.9 2.6 2.9 2.6			.006 .002 Tr. Tr.	1.32 Tr 0.02 0.03
350.6	355.2	ANDESITES Green brown section with bands of green chloritic material, Q.C. and minor breccia. Some sections quite crystalline, remainder fine grained. Section contains randomly orientated veinlets of Q.C. 250.8 Brecciated band - Q.C. in matrix. 351.9-352 "Q.F.P." stringer. 352.8 1/2" Q.C. vein. 353.0 " " " 353.8 " " " Last .5' of section strongly chloritised.	67230		350.6	355.2	4.6			.008	0.04

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-18

SHEET NO. 9

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	Au. OZ TON	As. OZ TON
					FROM	TO	TOTAL				
355.2	356.8	ACID "TUFF" UNIT Buff grey-white fine grained rock with occasional somewhat cherty bands. Banding distinct at 40° CN. Trace of Py. Top contact diffuse & gradational over 1". Lower contact sharp.	67231		355.2	356.8	1.6			.004	.02
356.8	368.9	ANDESITES Green brown fine grained rock with occasional gray-white chloritic bands suggestive of pillow selvages. Occasional randomly orientated Q.C. veins and vein blebs.	67232		356.8	360.0	3.2			.002	.04
		356.9 Q.C. vein.	67233		360.0	364.0	4.0			.002	.06
		357.0 Q.C. vein.	67234		364.0	367.8	3.8			Tr.	.08
		359.6 Q.C. vein.	67235		367.8	369.8	2.0			.002	.03
		360.9 Q.C. veinlets, Bx.									
		361.6 Q.C. vein.									
		362.9-363.4 Banded Q.C. - andesite.									
		364.0-365.0 Q.C. vein - green chlorite inclusions.									
		365.1 Disseminated Po.									
		365.6-366.8 Colour change over .5' from green-brown to greenish grey. ?Compositional change.									
		366.8-369.8 Colour change at sharp upper contact to green brown. Bottom contact sharp and distinct.									
369.8	371.6	CHERTY IRON FORMATION Interbanded grey white chert and minor blue grey magnetite section appears to be extensively microbrecciated but seen in some of the magnetite bands. Q.C. present in matrix and as inclusions. Minor Po, Tr. Py. Bands 50° CN.	67236		369.8	371.6	1.8			.012	.12
		369.9-371.2 (½ core) green chlorite inclusion.									
		371.4 Green chlorite inclusion.									
371.6	378.6	ALTERED ANDESITE(?) Heavily green chloritised unit - v. distinctive with blebs, inclusions, and minor veinlets of Q.C.	67237		371.6	375.6	4.0			.006	.09
		373.1-373.5 Brecciated section, minor Q.C. in matrix.	67238		375.6	378.6	3.0			.004	.06
		375.6-376.4 Grey green cherty Q.C. vein (interpillow?).									
		377.0-377.3 Grey cherty Q.C. vein (interpillow?).									

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-18 SHEET NO. 10

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	Au. OZ TON	Ag. OZ TON
					FROM	TO	TOTAL				
378.6	380.0	CHERTY IRON FORMATION Grey white bands of chert with thin sparse bands of grey magnetite. Bands of quartz carbonate interbedded throughout. Relatively sharp contact at top of unit, uneven (sedimentary?) contact at bottom. V. minor Py, Tr. Po. Bands 50° CN.	67239		378.6	380.0	1.4			.002	.03
380.0	397.5	ANDESITES Medium to fine grained rock with a green chloritised top. Brown colouration dominant below 380.3 to 384.3. 380.3-380.5 Q.C. vein. 380.6 Q.C. veins, Trace Py. 381.4-381.5 Q.C. veins. Minor Q.C. veinlets randomly orientated throughout sequence. 384.3-387.2 Colour change from brown to greenish gray. Quite definite foliation, tuffaceous? 387.2 Colour change to brown biotitic?). Foliation absent. 387.4-387.5 Q.C. vein. 388.7-388.9 Q.C. veins. 388.3 Q.C. veins. 388.8-389.1 Q.C. veinlets, somewhat brecciated aspect. 390.8 Colour change to green gray, foliation developed. Occasional Q.C. veinlets. Somewhat brecciated as- pect in places.	67240 67241 67242 67243 67244		380.0 384.3 387.2 390.8 393.8	384.3 387.2 390.8 393.8	4.3 3.9 3.6 3.8 3.7			.002 .002 Tr. .002 Tr.	.06 .04 .05 .04 .05
397.5	401.5	CHERTY IRON FORMATION Interbanded grey white chert and subordinate grey magnetite. Central section brecciated. Minor green chlorite. Bands 40° CN. Common Po, Py, minor Sp, AsPy. Transitional lower contact over 1.0'.	67245		397.5	401.0	3.5			.006	.06
401.5	408.2	ANDESITES Brown-green fine grained unit with occasional thin randomly orientated Q.C. veinlets. 408.0 Po, Py, Sp inclusion. 408.1 Veinlet of Q.C. with garnets and Cpy. Base of unit defined at top of underlying 1" Sp. band.	67246 67247		401.0 403.6	403.6 408.2	2.6 4.6			.03 .05	Nil .67

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-18

SHEET NO. 11

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Au.	Ag.	
					FROM	TO			TOTAL	oz/TON	oz/TON
408.2	412.9	CHERT FORMATION Grey white chert with interbedded bands rich in Py & Q.C. Subordinate Sp (c.3%) with minor Po, AsPy and Trace Ga? Top contact sharp Bottom contact set at base of main cherty unit but appears to be transitional over several feet (see below). Bands 35°-40° CN. There does not appear to be any magnetite in this unit. (SINTER DEPOSIT?)	67248		408.2	412.9	4.7			.12	.52
412.9	422.6	ANDESITES Brown fine grained unit with occasional intercalations of the cherty unit noted above. Infrequent crosscutting and pygmatic veinlets of Q.C. 414.8-415.0 Cherty intercalation, 40° CN. 415.5-415.7 " " " " 416.4-416.7 " " " " 417.5-417.7 " " " " 421.5 Gradational colour change from brown to grey green.	67249 67250 67251		412.9 416.1 420.1	416.1 420.1 422.6	3.2 4.0 2.5			.03 .02 .03	Nil Nil Nil
422.6	427.6	CHERTY PYRITIC IRON FORMATION Thinly banded grey white chert with subordinate Py, minor magnetite and minor Po. Unit well banded throughout with little evidence of brecciation or slumping. Rare green chloritic inclusions. Banding 40° CN. Sharp lower and upper contacts.	67252		422.6	427.6	5.0			.05	Nil
427.6	514.0	ANDESITES Brown fine grained unit with micro bands of Q.C. parallel to bedding. Occ. randomly orient ted veins of Q.C. Tuffaceous? 427.1 Q.C. vein. 431.3-431.6 Q.C. band, cherty disseminated Py, minor Po. 431.9-433.8 Q.C. bands interbedded country rock. Band with Ga & Sp at 432.2. 434.0 Colour change to light green-grey - tuffaceous? Definite foliation developed. 481.0 Foliation accentuated by Q.C. bands - brecciated appearance. Silicification increases from approx. 483.0'.	67253 67254		427.6 431.8	431.8 435.0	4.2 3.2			.02 Tr.	Nil .48

LANGRIDGES - TORONTO - 368-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-18

SHEET NO. 12

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	Au.	Ag.
					FROM	TO	TOTAL			OZ. TON	OZ. TON
514.0	517.2	RHYOLITE OR QUARTZ FELDSPAR PORPHYRY Buff grey white unit with phenocrysts of quartz and feldspar? in a fine grained grey matrix. Top and bottom contacts sharp at 50-55° CN. Suggestion of crystal long axes orientation. Parallel to contacts.									
517.2	600.6	ANDESITES Similar in all respects to unit immediately above Q.F.P. 549.6 PILLOWED ANDESITES First well defined pillow selvage. Selvages become less well defined below 585' approx. 600.6 E.O.H. CASING PULLED.									
		<u>SLUDGE ASSAYS</u>									
		<u>Metres</u>	<u>Feet</u>	<u>Au.</u>	<u>Ag.</u>						
		9-12	30-39	Tr.	Nil						
		12-15	39-49	Tr.	.14						
		15-18	49-59	.07	.89						
		18-21	59-69	.03	.51						
		21-24	69-79	.04	.30						
		24-27	79-89	Tr.	.22						
		27-30	89-98	.01	.09						
		30-33	98-108	Tr.	.22						
		33-36	108-118	Tr.	Nil						
		36-39	118-128	Tr.	.12						
		39-42	128-138	Tr.	.12						
		42-45	138-148	Tr.	.18						
		45-48	148-158	Tr.	.06						
		48-51	158-168	Tr.	.22						
		51-54	168-177	Tr.	.42						
		54-57	177-187	Tr.	.28						
		57-60	187-197	Tr.	Nil						
		60-63	197-207	Tr.	Nil						
		63-66	207-217	.01	Nil						

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-18 SHEET NO. 13

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
		Sludge Assays cont.									
		<u>Metres</u>	<u>Feet</u>	<u>Au.</u>	<u>Ag.</u>						
		66-69	217-226	.01	Nil						
		69-72	226-236	.03	Nil						
		72-75	236-246	.04	Nil						
		75-78	246-256	.03	.07						
		78-81	256-266	.01	.57						
		81-84	266-276	Tr.	.38						
		84-87	276-285	.01	Nil						
		87-90	285-295	.02	.18						
		90-93	295-305	Tr.	.32						
		93-96	305-315	Tr.	.18						
		96-99	315-325	.01	.55						
		99-102	325-335	.01	.37						
		102-105	335-344	Tr.	.22						
		105-108	344-354	Tr.	Nil						
		108-111	354-364	Tr.	.20						
		111-114	364-374	Tr.	Nil						
		114-117	374-384	Tr.	.24						
		117-120	384-394	Tr.	.42						
		120-123	394-404	.01	Nil						
		123-126	missing								
		126-129	413-423	.09	1.47						
		129-132	423-233	.03	.43						
		132-135	433-443	Tr.	.10						
		135-138	443-453	Tr.	.08						
		138-141	453-463	.02	.10						
		141-143	463-469	.01	.03						
		144-147	472-482	Tr.	.04						
		147-150	482-492	.02	.22						
		150-153	492-499	Tr.	.26						
		153-156	499-512	Tr.	.06						
		156-159	512-522	Tr.	.24						
		159-162	522-531	Tr.	Nil						
		162-165	531-541	Tr.	Nil						
		165-168	541-551	.01	Nil						
		168-171	551-561	Tr.	Nil						

LANGRIDGES - TORONTO - 368-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-18

SHEET NO. 14

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ./TON	OZ. TON
					FROM	TO	TOTAL				
		<u>Sludge Assays cont.</u>									
		<u>Metres</u> <u>Feet</u> <u>Au.</u> <u>Ag.</u>									
		171-174 561-571 Tr. Nil									
		174-177 571-581 Tr. Nil									
		177-180 581-591 Tr. Nil									
		180-183 591-600 Tr. Nil									

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-19 LENGTH _____
 LOCATION "D" Gold Zone
 LATITUDE L.8+00S DEPARTURE 1+94W
 ELEVATION _____ AZIMUTH Grid South DIP -50°
 STARTED 9//1983 FINISHED 13/4/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
49'	47°				
393.8'	43°				

HOLE NO. 83-19 SHEET NO. 1

REMARKS _____

Drilled by St. Lambert

LOGGED BY J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Au. OZ./TON	Ag. OZ./TON
					FROM	TO					TOTAL
0	37.2	CASING								
37.2	56.4	ANDESITES Dark grey green essentially fine grained massive unit. 49.0-49.2 Q.C. band.								
56.4	59.4	QUARTZ FELDSPAR PORPHYRY DYKE Dark to medium grey unit with phenocrysts of quartz and feldspars in a dark grey matrix. Suggestion of chilled margins.								
59.4	72.5	ANDESITES As above unit with lighter green somewhat foliated calcareous units interclitigated(?). Tuffaceous? Infrequent 2' bands of grey siliceous material - incipient chert development. Rare randomly oriented Q.C. veinlets.								
72.5	74.6	BASIC DYKE Dark grey green unit with phenocrysts of a dark green ferromagnesian mineral - gabbroic? Very fine grained margins suggest chilling.								
74.6	96.0	ANDESITES Medium green fine grained unit similar to preceding andesitic units. 75.1 Q.C. veinlet. 77.9 Pale green talcose inclusion. 79.1-79.3 Q.C. inclusion, disseminated Po & Py. 79.8 Q.C. vein. 84.1 Q.C. band. 84.4-84.5 Q.C. band. 86.7-86.9 Q.C. band. 87.6 Q.C. veinlet. 88.3 Q.C. band.								

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-19

SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	Au. oz./TON	Ag. oz./TON
					FROM	TO	TOTAL				
		92.4-92.5 Q.C. band. 93.8 Q.C. vein. 93.9-94.3 Q.C. bands & veinlets.	67489		91.0	93.0	2.0'			Tr.	Nil
74.6	96.0	Sharp basal contact - somewhat chloritised.	67490		93.0	95.0	2.0'			Tr.	.28
96.0	114.0	CHERT UNIT Medium grey chert bands interbedded with brown gray "tuff", minor green chlorite and rare sulphides (Py & Po). Formation appears to be non-magnetic. Some sections brecciated and carrying Q.C. banding - where planar - varies from 0 to 20° CN. Much of the cherty sections are microbrecciated with randomly oriented veinlets of Q.C. and a pale green mineral (mariposite?). Unit contains minor Po, Py and v. minor AsPy.	67491		95.0	96.0	1.0'			Tr.	.20
		97.7-98.5 Q.C. Bx.	67492		96.0	98.0	2.0'			.09	.23
		97.8 Garnet crystals.	67493		98.0	100.0	2.0			Tr.	Nil
		99.2-100.0 Q.C. Bx.	67494		100.0	101.2	1.2'			Tr.	Nil
		101.2-102.2 Dark brown/green (biotitic) unit with rounded feldspar? porphyroblasts. Altered tuff band?	67495		101.2	102.2	1.0'			.06	Nil
		109.3-109.8 Q.C. Bx. Chert contact diminishes from 109.8 onwards. Bands of brown "tuff" and carbonate becoming more prevalent.	67496		102.2	104.0	1.8'			.01	Nil
		113-114 Dip on bands steepens considerably to approx. 80° CN with an oxidised break at 114.0 - Possible fault?	67497		104.0	106.0	2.0'			Tr.	Nil
			67498		106.0	108.0	2.0'			Tr.	Nil
			67499		108.0	110.0	2.0			Tr.	Nil
			67500		110.0	112.0	2.0'			Tr.	Nil
			68877		112.0	114.0	2.0'			Tr.	Nil
114.0	119.5	DIORITE DYKE? Dark to medium gray fine to medium grained unit with an altered appearance. Very common tiny anastomosing veinlets giving a bleached effect where they occur. Upper contact with the overlying formation is unclear. Lower contact very fine grained - chilled margin.									
119.5	122.0	TRANSITION ZONE Appears to be a basal transition sequence for the chert unit noted at 96.0-114.0. Many thin bands of green tinged Q.C. in a brown somewhat calcareous unit. Grades into biotitic(?) andesites. Banding 0 to 10° CN.	68878		119.5	122.0	2.5'			.02	Nil

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-19 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	Au. OZ. TON	Ag. OZ. TON
					FROM	TO	TOTAL				
122.0	175.3	ANDESITES Unit commences with a medium to dark brown biotitic rock which reverts to the more typical medium green colouration from 129.0' approx. 125.5 Q.C. band. 126.3-127.4 Green tinged Q.C. vein - brecciated aspect. 128.4-128.5 Q.C. band. 129.5 Q.C. vein. 130.9-131.7 Green tinged Q.C. vein, brecciated aspect. 138.0 Q.C. band. 139.0 Q.C. bands. 139.5-139.9 Q.C. bands. 140.3-140.5 Q.C. vein. 141.2 Q.C. inclusion. Unit may be tuffaceous through this section. 142.7 Q.C. band. From 144.0 approx., unit becomes more schistose in appearance with acicular crystals of a dark green ferromagnesian mineral. The change is a gradual zone. 148.2-148.3 Q.C. vein. 148.4-148.5 Po & Sp veinlets & blebs, v. minor Ga associated. 149.9-150.1 Q.C. vein Bx. 152.3-163.4 Very heavy Q.C. Bx - massive, Q.C. over 2' lengths. Possible Q.C. alteration pipe. The fragments of andesite in the Q.C. are almost absorbed with very diffuse contacts. 164.0-171.0 Unit is somewhat calcareous with a definite foliation approx. or schistosity 20° CN. 167.3-167.5 Q.C. vein. 168.8-168.9 Q.C. band. 171.0 Gradual change from green white to brown white - biotitic.	68879		122.0	124.0	2.0'			Tr.	Nil
			68880		124.0	126.0	2.0'			Tr.	Nil
			68881		126.0	128.0	2.0'			Tr.	Nil
			68882		128.0	130.0	2.0'			Tr.	Nil
			68883		130.0	132.0	2.0'			Tr.	.10
			68884		173.0	175.0	2.0'			Tr.	.12
175.3	181.1	CHERTY TUFF UNIT Banded grey white chert and brown black "tuff" material. Q.C. throughout section in bands. Section shows considerable disturbance and microbanding. Occasional grey quartz micro veinlets at	68885		175.0	177.0	1.5'			.02	.12
			68886		177.0	179.0	2.0'			Tr.	Nil

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-19

SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Au. OZ./TON	Ag. OZ./TON	
					FROM	TO					TOTAL
175.3	181.1	60°-70° CN. Bands dip consistently at approx. 20°-30° CN. 175.5-175.6 Band of heavy to massive AsPy. Tr. Py, Po, Sp. 175.7 " " " " " " Section contains Tr. Po, Py and very rare Cpy. 179.8-179.9 Q.C. vein - green tinge mariposite? 179.95 Crosscutting Po vein. 180.0-180.2 Band with heavy Sp, Ga, minor Po, Tr. Py. Ankarite? Some of the silver gray mineral may be stibrite. Base of section at 181.1 is placed at last chert band.	68887		179.0	181.1	2.1'			.04	.92
181.1	198.6	ANDESITES? Green chloritised unit with Q.C. bands - altered andesitic tuff? Somewhat sedimentary aspect. 181.6 Q.C. vein with Sp. 181.9-182.0 Q.C. band. 183.2-183.3 Q.C. bands. 184.3 Q.C. band. Last 2' has a transitional appearance, i.e. Q.C. bands becoming frequent.	68888		181.1	183.0	1.9'			Tr.	.12
			68889		183.0	185.0	2.0'			Tr.	.20
198.6	204.2	CHERT UNIT First chert band at 198.6. Banded grey white chert, brown (biotitic?) "tuff" and green chlorite. Minor Po & Py in bands. Many of the green chlorite bands moderately garnetiferous. Bands are mostly planar at 20° CN. 203.6-203.8 Band of blue gray quartz, carbonate Bx. Minor Po. Trace Py, AsPy. Base of unit set at last ½" chert band at 204.2. Thin cherty bands at 205.0-205.2.	68890		197.0	198.6	1.6'			Tr.	Nil
			68891		198.6	200.0	1.4'			.01	.13
			68892		200.0	202.0	2.0'			.03	Nil
			68893		202.0	204.2	2.2'			.06	Nil
			68894		204.2	206.0	1.8'			Tr.	Nil
204.2	244.7	ANDESITES Grey fine & medium grained units with occasional bands of Q.C. Possibly sediments derived from andesitic source rocks. 210.0 Q.C. vein, 210.5 Q.C. band, 211.6 Q.C. band. 215.1-216.1 Q.C. band. 217.0 Q.C. band. 217.2 Q.C. band. 217.8-217.9 Q.C. bands.									

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-19

SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	Au oz/ton	Ag oz/ton
					FROM	TO	TOTAL				
204.2	244.7	219.3									
		219.7-222.0									
		226.7									
		229.9-230.1									
		231.4									
		232.3-233.4									
		233.4-256.0									
		237.3									
		237.7-237.8									
		240.0									
244.7	247.0	244.3-244.4									
		CHERT UNIT - (MAGNETITE IRON FORMATION)									
		Grey white banded chert with minor blue gray magnetite, v. minor									
		Po and green chlorite bands 10° CN. Q.C. occurs throughout limited									
		brecciation at upper end. Bx from 246.2.									
		ANDESITES (cont'd)									
		247.0-248									
		256.0									
		255.2									
		257.4-258.1									
247.0	278.6	257.4-258.1									
		CHERTY IRON FORMATION. Grey white chert and blue gray									
		magnetite interbanded at c.10° CN. Poor development.									
		258.9-259									
		Q.C. & chert band. Tr. magnetite.									
		261.8-262.1									
		CHERTY IRON FORMATION. Interbanded grey white chert									
		and blue gray magnetite 10°-15° CN.									
		262-265									
		Banded "tuff", Q.C. bands & veinlets.									
265.0											
Colour change to more brown - biotitic?											
268.7-269.0											
Q.C. band.											
269.0-269.3											
CHERTY IRON FORMATION. Poorly developed slumped ap-											
pearance.											
269.3-269.5											
Breccia.											
269.7-270.0											
Q.C. band, crystals Po.											
270.5											
Q.C. band.											
270.6											
Q.C. band.											
270.8											
Q.C. band.											
271.2-271.7											
Heavy Q.C., minor green chlorite, v.m. Po.											

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-19

SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	Au oz/TON	Ag oz/TON
					FROM	TO	TOTAL				
247.0	278.6	271.7-271.8 Partially absorbed andesite. 271.8-272 approx. Q.C. band. 272.2 272.5 BAND OF QUARTZ FELDSPAR PORPHYRY. 272.5-278.6 Heavily biotitised section with multiple thin veinlets of Q.C. giving a Bx appearance in some sections. 275.8-276.1 Bx section, Po. 278.2-278.3 Q.C. band.									
278.6	287.9	QUARTZ FELDSPAR PORPHYRY Medium grey unit with pink feldspars occurring occasionally, frequent little black flecks (-shards? indicating ash flow). Infrequent veins of Q.C. with Po, Py & Sp. V. fine grained upper margin (chilled).									
287.9	288.7	BIOTITIC ANDESITE(?) 287.6 Q.C. band with green chlorite.									
288.7	289.0	Q.F.P. (as above) V. fine grained.									
289.0	294.3	DIORITE (DYKE?) Dark green ferromagnesian phenocrysts in a gray white somewhat calcareous matrix.									
294.3	295.6	Q.F.P. (as above) Sharp fine grained (chilled) margin.									
295.6	305.3	ANDESITES Green fine grained chloritic unit. Occasional Q.C. veins, veinlets and bands. Brecciated aspect in places. 300.1-300.4 Q.C. bands & veins. 301.5 Q.C. band. 303.4 Q.C. band. 304.0 Gradual colour change to brown biotitic.	68930		303.0	305.3	2.3'			Tr.	.34
			68931		305.3	306.3	1.0'			.01	.57
305.3	307.9	CHERTY IRON FORMATION Grey white chert with bands of Po & magnetite. Minor Py and trace of Cpy. Bands 10-15° CN. 307.4-307.6 Green chlorite band.	68932		306.3	307.9	1.6'			Tr.	.18

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-19

SHEET NO. 7

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Pb	Zn	Au. OZ./TON	Ag. OZ./TON	Cu %
					FROM	TO	TOTAL					
307.9	321.7	ANDESITIC TUFF? Grey-green white unit of siliceous aspect. Foliation or bedding at 20° CN. Occasional Q.C. bands & veins. Becoming brown biotitic in aspect at approx. 320.0'. Occasional somewhat brecciated sections.	68933		307.9	310.0	2.1'			Tr.	.20	
			68934		320.0	321.7	1.7'			Tr.	.06	
321.7	326.2	CHERTY IRON FORMATION As above with more brecciation. Banding at 20° CN. Occasional garnet development.	68935		321.7	323.7	2.0'			Tr.	.26	
			68936		323.7	326.2	2.5'			Tr.	.30	
326.2	340.2	ANDESITIC? TUFFS? Brown-gray green (biotitic) fine grained unit with a sedimentary aspect. Foliation or bedding at 0- 5° CN. Q.C. veins, veinlets, bands and inclusions occur frequently.	68937		326.2	328.0	1.8'			.01	.87	
340.2	357.2	CHERTY IRON FORMATION (INCLUDING "D" SULPHIDE ZONE) Grey white chert interbanded with magnetite and Po. 20° CN. Q.C. present, especially in brecciated sections.	68940		338.0	340.2	2.2'	.01	.01	Tr.	.02	.02
		347.8 Heavy Py.	68938		340.2	342.0	1.8'	.01	.02	.02	.33	.05
		348.0-348.2 Moderate to heavy Py, Sp. Minor Po, AsPy.	68939		342.0	244.0	2.0'	.01	.01	.09	.06	.03
		348.6-350.0 Massive Sp, v. minor Po, AsPy.	68941		344.0	346.0	2.0'	.01	.02	.04	.27	.15
		350.0-350.3 Massive Py, moderate Sp.	68942		346.0	348.0	2.0'	.04	.20	.05	.39	.12
		349.9-350.0 Massive Sp, moderate AsPy.	68943		348.0	350.0	2.0'	.86	9.9	.07	4.26	.09
		350.0 Massive crystalline AsPy.	68944		350.0	352.0	2.0'	.06	.73	.04	.60	.02
		350.2-250.4 Heavy crystalline AsPy.	68945		352.0	354.0	2.0'	.01	.11	.05	.03	.03
		Sp and Po, Py with Tr. Ga, Cpy & molybdenite? occurs throughout section.	68946		354.0	356.0	2.0'	.09	.21	.02	.38	.02
		350.4-351.2 Brown biotitic "tuff" bands.	68947		356.0	357.2	1.2'	.15	.27	.02	.47	.05
			68948		357.2	359.0	1.8'	.08	.18	.01	.32	.02
			68949		359.0	361.0	2.0'	.20	.26	.01	1.11	.02
357.2	393.8	ANDESITES Brown biotitic fine grained unit with frequent veinlets of Q.C. lending a brecciated aspect to much of the section.										
		373.0-376.5 Q.C. brecciated section.										
		390.5 Colour change to green.										
		393.8 E.O.H. CASING PULLED. HOLE CEMENTED.										

2.2' Core Rec.

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ont.

HOLE NO. 83-19 SHEET NO. 8

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ TON	OZ TON
				FROM	TO	TOTAL					
		<u>SLUDGE ASSAYS</u>									
	<u>Metres</u>	<u>Feet</u>	<u>Au</u>	<u>Ag</u>							
	12 - 15	39 - 49	Trace	.42							
	15 - 18	49 - 59	Trace	.52							
	18 - 21	59 - 69	.02	.42							
	21 - 24	69 - 79	Trace	.32							
	24 - 27	79 - 89	Trace	Nil							
	27 - 30	89 - 98	.02	.24							
	30 - 33	98 - 108	.07	.05							
	33 - 36	108 - 118	.02	Nil							
	36 - 39	118 - 128	.04	.04							
	45 - 48	148 - 157	.04	Nil							
	48 - 51NB	157 - 167	.01	Nil							
	48 - 51NB	157 - 167	.01	.05							
	51 - 54	167 - 177	.04	Nil							
	54 - 57	177 - 187	.04	.54							
	57 - 60	187 - 197	.01	.35							
	60 - 63	197 - 207	.12	.80							
	63 - 66	207 - 217	Trace	.40							
	66 - 69	217 - 226	.02	.74							
	69 - 72	226 - 236	.02	.36							
	72 - 75	236 - 246	.01	Nil							
	75 - 78	246 - 256	.04	.36							
	78 - 81	256 - 266	.03	.97							
	81 - 84	266 - 276	.02	.30							
	84 - 87	276 - 285	.03	.33							
	87 - 90	285 - 295	.01	.05							
	90 - 93	295 - 305	.02	.16							
	93 - 96	305 - 315	.03	.47							

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-20 LENGTH _____
 LOCATION McFinley Peninsula
 LATITUDE L.8+40S DEPARTURE 2+15W
 ELEVATION _____ AZIMUTH Grid South DIP -50°
 STARTED 17/5/1983 (2nd Att) FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
65.6'	46°				
864.3'	48°				

HOLE NO. 83-20 SHEET NO. 1

REMARKS _____

Drilled by St. Lambert

LOGGED BY J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
0	56.2	CASING									
56.2	59.5?	ANDESITES Medium to dark green essentially massive unit with frequent Q.C. veins & veinlets. Sections of badly broken core - cavernous?									
59.5?	68.1	LAMPROPHYRE DYKE (?) Gray fine grained unit with microveins of Q.C. giving a bleached effect at their rims. Short 1' section at top may be diorite but this section and the one above may be large boulders.									
68.1	123.1	ANDESITES Medium to dark green essentially massive unit with frequent Q.C. veins and veinlets. Short sections relatively coarse grained - different flows? 69.8-69.8 Q.C. bands. 75.2-75.3 Q.C. band. 76.2-76.3 Q.C. band. 76.8 Q.C. inclusion. 77.7-78.5 Q.C. vein subparallel to core axis. 81.5-82.6 " " " " " 83.0-83.2 Q.C. vein. 85.9-86.2 Q.C. inclusion. 89.7-89.8 Q.C. bands. 90.6 Q.C. band. 92.5 Q.C. band. 97.6-97.7 Q.C. band. 106.0-107.9 Coarse grained unit with dark green ferromagnesian phenocrysts in a green gray-white slightly calcareous matrix - small diorite dyke? Contacts appear relatively sharp.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-20 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	Au. OZ. TON	Ag. OZ. TON
					FROM	TO	TOTAL				
68.1	123.1	112.1 Q.C. vein. 113.8 Q.C. vein. 116.4-116.8 Q.C. band brecciated. 117.6-118.1 Q.C. band brecciated.	67423		116.0	117.0	1.0			Tr.	.22
			67424		117.0	119.0	2.0			Tr.	.42
			67425		119.0	121.0	2.0			Tr.	.16
123.1	134.7	CHERTY IRON FORMATION Bands of grey white chert with interbanded green chlorite. Minor Po, Py, Tr. AsPy, Cpy. Localised Sp and magnetite bands. Unit extensively brecciated in places with Q.C. in filling. Bands 20° CN. Occasional garnet development associated with green chlorite bands. Well seen at 129.3 and 130.5.	68950		121.0	123.0	2.0			Tr.	.56
			67426		123.0	125.0	2.0			Tr.	.12
			67427		125.0	127.0	2.0			Tr.	.36
			67428		127.0	129.0	2.0			Tr.	.20
			67429		129.0	131.0	2.0			Tr.	.36
			67430		131.0	133.0	2.0			Tr.	Nil
			67431		133.0	135.0	2.0			Tr.	Nil
134.7	146.8	CHERTY BIOTITIC "TUFF", TRANSITION ZONE. Gradual change from cherty iron formation. Magnetite and green chlorite bands are absent. 135.0-136.8 Chert-tuff-Po fine bands with a colloform aspect. 136.8-140.5 Brecciated somewhat with Q.C. infilling. 139.5-139.6 Massive Sp., minor Ga. 140.5 Heavy Po, minor Py. 144.0-145.8 Brecciated section. Q.C. Base set below last biotitic tuff band. 146.2-146.4 Brecciated.	67432		135.0	137.0	2.0			Tr.	.50
			67433		137.0	139.0	2.0			.01	.44
			67434		139.0	141.0	2.0			.05	.18
			67435		141.0	143.0	2.0			Tr.	.16
			67436		143.0	145.0	2.0			Tr.	.62
			67437		145.0	147.0	2.0			Tr.	.58
146.8	229.5	ANDESITES Medium to dark green unit - fine grained for the most part. Top 6' tuffaceous appearance. Occ. Q.C. veins, veinlets and banding. 180.5-180.8 Q.C. vein. Minor green chlorite. Garnet development at lower contact. Disseminated moderate Sp., minor Po, Py, Ga. Biotitic to 182.0. 197.0 approx. Gradual colour change from green to brown biotitic foliation in core emphasized by Q.C. bands. 199.7-200.8 Q.C. vein with sections of massive sulphide - chiefly Po with moderate AsPy, minor Py. Section becoming increasingly rich in Q.C. 206.9-207.8 Q.C. vein, minor green talc chlorite (mariposite??). Brecciated above and below. 208.3 Colour change back to green. Q.C. bands persist to 211.5 approx.	67438		178.0	180.0	2.0			Tr.	Nil
			67439		180.0	182.0	2.0			Tr.	.38
			67440		182.0	184.0	2.0			Tr.	Nil
			67441		199.0	201.0	2.0			.08	.48
			67442		201.0	203.0	2.0			Tr.	Nil
			67443		204.0	206.0	2.0			Tr.	Nil
			67444		206.0	208.0	2.0			Tr.	Nil

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-20

SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPH IDES	FOOTAGE		%	%	Au. OZ./TON	Ag. OZ./TON	
					FROM	TO					TOTAL
146.8	229.5	227.6 Colour change to brown biotitic. 227.9-228.5 Q.C. band. 228.8-229.3 Q.C. band.	67445		227.5	229.5	2.0			Tr.	.06
			67446		229.5	231.0	1.5			.01	.05
229.5	237.3	CHERTY IRON FORMATION Grey white chert bands with bands of green chlorite - often garnet-iferous, magnetite and Po. Short infrequent brecciated sections. Bands 25°CN. Q.C. occurs throughout in bands, veins & veinlets. Lower contact set at last cherty Q.C. band. Veins persist to 239.0 approx.	67447		231.0	233.0	2.0			Tr.	.20
			67448		233.0	235.0	2.0			Tr.	Nil
			67449		235.0	237.3	2.3			Tr.	Nil
			67450		237.3	239.0	1.7			Tr.	Nil
237.3	298.4	ANDESITES Section starts with a brown fine grained biotitic unit with extensive Q.C. veining to 239.0 approx. Q.C. veins occur occasionally throughout unit. 244-244.3 Q.C. band or vein. 246.5-246.9 Q.C. vein subparallel to core axis. 247.0-247.1 Q.C. vein. 247.8-248.9 Area of extensive Q.C. veining. Greenish tinge comes in from 250.0 approx. 256.7-257.3 CHERTY IRON FORMATION with Q.C. Bands 20°CN. Minor Po. 257.7 Q.C. vein. 263.8-267.1 QUARTZ vein subparallel to core axis. Solid quartz from 264.7-266.1. 267.1-267.2 Crosscutting Q.C. vein. 268.5-284.5 approx. Cherty? Q.C. veins almost parallel to core axis in places. Considerable structural disturbance through this zone. 276.4-278.3 CHERTY IRON FORMATION. Minor Po & Tr. Py. Bands 20°. Lower contact brecciated and approximate. Cherty? material persists in veins to 280.5. Quartz carbonate veins persist through sequence becoming less frequent after 285.0. 287.7 Quartz vein. Sections of more biotitic aspect appear at 290' approx.									
			7001		246.5	248.9	2.3			.04	.18
			7002		256.5	257.5	1.0			.03	Nil
			7003		264.0	265.8	1.8			Tr.	.10
			7004		265.8	267.2	1.4			Tr.	.10
			7005		269.0	271.0	2.0			Tr.	.28
			7006		271.0	273.0	2.0			Tr.	.12
			7007		273.0	275.0	2.0			Tr.	.28
			7008		275.0	276.4	1.4			.03	.09
			7009		276.4	278.3	1.9			.04	Nil
			7010		278.3	280.0	1.7			Tr.	.36
			7011		280.0	282.0	2.0			Tr.	Nil
			7012		282.0	284.0	2.0			Tr.	.46
			7013		291.6	293.6	2.0			.04	.22

LANGRIDGES - TORONTO - 366-1188

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-20

SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	Au oz TON	Ag oz TON
					FROM	TO	TOTAL				
237.3	298.4	291.6-293.6 CHERTY IRON FORMATION. Very poorly developed incorporating blocks? of andesitic material. Q.C. in iron formation. Minor Po present. 296.5-296.6 Q.C. band.									
298.4	299.7	QUARTZ FELDSPAR PORPHYRY. Grey white matrix with quartz and pink feldspar phenocrysts. Blocks of andesitic material incorporated.									
299.7	302.8	ANDESITES									
302.8	303.9	Q.F.P.									
303.9	304.6	ANDESITES									
304.6	306.2	QUARTZ FELDSPAR PORPHYRY Gray white unit with phenocrysts of gray quartz and pink & white feldspars.									
306.2	307.1	ANDESITES - chloritised.									
307.1	308.0	Q.F.P.									
308.0	311.1	ANDESITES - chloritised. 310.6 Q.C. band.									
311.1	321.0	Q.F.P. as above. Tr. Po, Py.									
321.0	327.3	ANDESITES Top 6" biotitic? then heavily chloritised. 321.5-321.7 Q.C. band. 323.7-324.1 CHERTY IRON FORMATION. BANDS 20°CN. 325.1-326.1 CHERTY Q.C. Tr. Po.	7014		321.0	323.0	2.0			Tr.	.28
			7015		323.0	325.0	2.0			Tr.	Nil
			7016		325.0	327.3	2.3			.34	.36
327.3	333.1	DIORITE DYKE Dark green phenocrysts in a gray white slightly calcareous matrix. Fine grained margins suggest chilling.									

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

 NAME OF PROPERTY McFinley, Red Lake, Ontario

 HOLE NO. 83-20 SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE		Pb	Zn	Au. OZ./TON	Ag. OZ./TON	Cu %	
					FROM	TO						TOTAL
333.1	335.8	ANDESITES Green chloritised fine grained unit. 333.8-333.9 Q.C. vein. 334.2-334.3 Q.C. vein.										
335.8	338.2	Q.F.P. or RHYOLITE Unit more fine grained aphanitic than above.										
338.2	346.3	ANDESITES Green somewhat chloritised unit becoming grey-light green from 340.0 approx. - silicified? with growth of medium green colored ferromagnesian porphyroblasts. Frequent Q.C. veins.										
346.3	347.9	CHERTY IRON FORMATION Interbanded grey white chert and blue black magnetite. Bands 20° CN.	7017		346.0	348.0	2.0			.03	.19	
347.9	364.1	ANDESITES Similar to above with a brown biotitic aspect below approx. 350.0. Occ. Q.C. veins, some pygmatic and brecciated veins subparallel to core axis.	7018		362.2	364.1	1.9			Tr.	.16	
			7019		364.1	366.0	1.9			.03	Nil	
			7020		366.0	367.0	1.0			.01	Nil	
			7021		367.0	369.0	2.0			.02	Nil	
364.1	367.0	CHERTY IRON FORMATION Similar to above but low in magnetite. Banding 20° CN. Minor Po, Tr. Py, essentially unbrecciated. Gradational lower contact - more a cherty "tuff" over last 3". Rare garnets.										
367.0	380.3	ANDESITES Brown biotitic fine grained unit. Occasional Q.C. bands and veins.										
380.3	386.0	CHERT UNIT - "D" ZONE Interbedded gray white chert. Brown biotitic "tuffs" and sulphides - chiefly Po. Occasional garnet development. Bands 20° CN. 381.0-381.1 Heavy AsPy. 381.1 Moderate Cpy. 381.1-381.2 Massive Py.	7022		378.3	380.3	2.0	.04	.06	.02	.28	.02
			7023		380.3	382.3	2.0	.19	4.7	.06	3.46	1.4
			7024		382.3	384.0	1.7	.06	.5	.02	.43	.04
			7025		384.0	386.0	2.0	.31	4.8	.04	1.81	.18
			7026		386.0	388.0	2.0	.02	.17	.02	.16	.16
			7027		388.0	389.5	1.5	.01	.03	.01	.23	.06

LANGRISHES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-20

SHEET NO. 5A

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPH IDES	FOOTAGE		%	%	OZ. TON	OZ. TON
					FROM	TO					TOTAL
		Original Assay 7022	7061	378.3	380.3	2.0'			Au.	Ag.
		Original Assay 7023	7062	380.3	382.3	2.0'			Tr.	Nil
		Original Assay 7024	7063	382.3	384.0	1.7'			Tr.	1.62
		Original Assay 7025	7064	384.0	386.0	2.0'			Tr.	.26
		Original Assay 7026	7065	386.0	388.0	2.0'			.01	3.12
		Original Assay 7027	7066	388.0	389.5	1.5'			Tr.	.58
		Original Assay 7028	7067	389.5	391.0	1.5'			Tr.	Nil
		Original Assay 7029	7068	391.0	393.0	2.0'			.01	.04
									Tr.	.22

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-20 SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	SULPHIDES	FOOTAGE			%	%	Au. oz TON	Ag. oz TON
					FROM	TO	TOTAL				
380.3	386.0	381.2-381.6 Massive Po, minor Sp, v. minor AsPy. 381.6-382.0 Moderate Sp. 382.0-382.2 Massive Po. Heavy Cpy, minor AsPy. 384.9-385.1 Heavy to massive Sp. 385.1-385.2 Heavy Sp. Occurrences of Sp, Py, Po, AsPy and tr Cpy, Ga occur elsewhere in unit.									
386.0	399.2	BIOTITIC "TUFF" Brown fine grained unit, frequent Q.C. veins & inclusions. 387.1-387.2 Cherty Q.C. vein. 389.8-391.0 CHERT UNIT, v. minor Po, Py, Sp, Cpy. Biotitic "tuffs" continue.	7028		389.5	391.0	1.5			.06	.75
			7029		391.0	393.0	2.0			Tr.	.19
			7030		397.0	399.2	2.2			Tr.	.06
399.2	401.4	CHERTY IRON FORMATION Similar to above with microbrecciation & Q.C. Minor AsPy, tr. Py & Po, tr. Ga?	7031		399.2	401.4	2.2			.35	Nil
			7032		401.4	403.4	2.2			Tr.	Nil
401.4	413.5	ANDESITES Brown biotitic for 1', grey green (tuffaceous?) thereafter. Rare Q.C. veins. 411.5-411.7 Q.C. band. E.O.H. 413.5 CASING PULLED, HOLE CEMENTED.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-20 SHEET NO. 7

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ. TON	OZ. TON
					FROM	TO					TOTAL
<u>SLUDGE ASSAYS</u>										
	<u>Metres</u>	<u>Feet</u>	<u>Au.</u>	<u>Ag.</u>						
	18-21	59-69	Tr.	.20						
	21-24	69-79	Tr.	.34						
	24-27	79-89	Tr.	.28						
	27-30	89-98	Tr.	Nil						
	30-33	98-108	Tr.	Nil						
	33-36	108-118	Tr.	Nil						
	36-39	118-128	Tr.	Nil						
	39-42	128-138	.01	.78						
	42-45	138-148	.02	.58						
	45-48	148-158	Tr.	.32						
	48-51	158-168	Tr.	.18						
	51-54	168-177	Tr.	.16						
	54-57	177-187	Tr.	.06						
	57-60	187-197	Tr.	Nil						
	60-63	197-207	.05	1.25						
	63-66	207-217	.02	.58						
	66-69	217-226	Tr.	.32						
	69-72	226-236	.04	Nil						
	72-75	236-246	.04	Nil						
	75-78	246-256	Tr.	Nil						
	78-81	256-266	.05	.35						
	81-84	266-276	Tr.	.18						
	84-87	276-285	.06	.20						
	87-90	285-295	Tr.	Nil						
	90-93	295-305	.10	.26						
	93-96	305-315	.02	Nil						
	96-99	315-325	.01	Nil						
	99-102	325-335	Tr.	Nil						
	102-105	335-344	Tr.	Nil						
	105-108	344-354	.01	Nil						
	108-111	354-364	Tr.	Nil						
	111-114	364-374	.02	.04						
	114-117	374-384	.05	1.95						
	117-120	384-394	.10	1.48						
	120-123	394-404	.01	Nil						
	123-126	404-413	Tr.	.38						

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-21 LENGTH _____
 LOCATION McFinley Peninsula "D" Gold Zone
 LATITUDE 5 + 00 S DEPARTURE 2 + 80 W
 ELEVATION _____ AZIMUTH Grid East DIP -80°
 STARTED 20/05/1983 FINISHED 26/05/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
42.7'	79°				
590.8'	64°				

HOLE NO. 83-21 SHEET NO. 1

REMARKS _____

LOGGED BY J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL				
0	30.9	CASING									
30.9	88.8	ANDESITES Medium to dark green fine grained massive units. Salient features noted below: 30.9 - 31.0 Q.C. Band 38.7 - 39.1 Q.C. vein 42.0 - 46.0 Section with occasional Q.C. veinlets in places almost parallel to ore axis. Minor bleaching in area of veins. Occasional sections with growth of small circular neeles of a dark green ferromagnesium mineral 50.7-57.0 Q.C. vein 55.0 Q.C. vein 55.9-81.6 Section with extensive Q.C. veining including a number of veinlets forming a stockwork with extensive "bleaching" along the axis of the veinlets. Section of silicification present also. 56.0-56.4 Q.C. vein 70°CN 56.8-57.0 Q.C. vein 59.0-59.5 Q.C. ½"70° CN 59.9-60 Q.C. 60.0 -68.0 Abundnat Q.C. veinlets -stockwork 64.5 Vug in Q.C. vein 67.5-68.0 Q.C. vein crystals of Tourmaline? 70.6-70.8 Q.C. Vein 71.0 Q.C. vein 72.4-74.4 Q.C. vein 6x 74.5 Q.C. vein 74.7 Q.C. vein 75.5 Q.C. vein 75.8 Q.C. vien 76.0-78.0 Q.C. vein semi-parallel to ore axis. Tr. Po. 78.0-80.2 Q.C. vein - massive Calcite in central section Tourmaline. 80.7-81.6 Q.C. vein semi-parallel to ore axis 85.6-85.8 Q.C. vein									

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-21 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPH. IDES	FOOTAGE		%	%	OZ./TON	OZ. TON
					FROM	TO					TOTAL
88.8	91.8	DIORITE DYKE Dark green coarse grained ferromagnesium phenocrysts in a finer grained grey white slightly calcaeous matrix, fine grained margins indicate chilling.								
91.8	183.6	ANDESITES As Above Andesitic Unit. 91.8-95.0 Q.C. veinlets giving a brecciated aspect to ore. 99.9 Q.C. vein 102.0-108.3 Q.C. veinlets - slightly brecciated aspect. 121.0-124 " " " " 128.1 Q.C. vein 128.9-129.0 Q.C. bands 129.4-130 Q.C. bands 130.7-131.5 Q.C. bands 133.8-135.9 Section with occasional Q.C. bands 137.0' Foliation developing - also growth of brown biotite alteration along foliation "planes" Tuffaceous? 138.0-140.0 Q.C. bands developed, very minor Py at 138.8 142.8-145.8 Q.C. veins developed 143.0 Garnets and minor Po, Py 152.0 Approximate Colour change to brown biotitic complete 152.7-155.7 Garnetiferous sulphide "zone" in a brown biotitic host rock Minor Q.C. occurs throughout. 153.6-153.7 Po and occasional garnets developed 153.9-154 Massive Py and AsPy 154.4 1/2" vein massive AsPy 154.6-154.9 Thin strings of Sp Tr. AsPy 155.3-155.5 Massive Py Minor AsPy 155.7 Green chloritic andesite 171.3 Q.C. vein 172.0 Q.C. vein 172.7-172.8 Q.C. vein								
			7045	138.0	140.0	2.0'			Tr	Nil
			7046	142.5	144.5	2.0'			Tr	Nil
			7140	152.0	153.5	1.5'			Tr	.06
			7047	153.5	155.7	2.2'			.02	1.60
			7141	155.7	157.0	1.3'			Tr	.06
			7048	181.5	183.6	2.1'			Tr	.90
183.6	196.0	CHERT UNIT Grey white chert with occasional bands of green chlorite and rare sulphides - chiefly Po. Magnetite suspected but not definitely established when tested with a compass needles. The whole section is somewhat brecciated (including upper and lower	7049	183.6	185.0	1.4'			Tr	1.04
			7050	185.0	187.0	2.0'			.01	.98
			7051	187.0	189.0	2.0'			Tr	.26
			7052	189.0	191.0	2.0'			Tr	Nil

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-21 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
183.6	196.0	contacts) so dip of 30°CN on "bedding" somewhat suspect. Q.C. common throughout particularly in breccia zones. Black chlorite? also present Unit passes into biotitic andesites at 196' last 2' brecciated with Q.C.	7053		191.0	193.0	2.0'			Au	Ag
			7054		193.0	195.0	2.0'			Tr	.34
			7055		195.0	196.0	1.0'			Tr	.38
196.0	359.2	ANDESITES? Brown biotitic unit.	7056		196.0	198.0	2.0'			Tr	.20
		200.2 -200.9 Q.C. bands	7057		198.0	200.0	2.0'			Tr	.36
		201.3 Q.C. band	7058		200.0	202.0	2.0'			Tr	.16
		201.5 Q.C. band	7059		202.0	204.0	2.0'			Tr	Nil
		202.2-203.2 Poorly developed cherty Q.C. zone.	7060		204.0	206.0	2.0'			Tr	.16
		203.8-204.3 Poorly developed cherty Q.C. zone	7069		270.5	273.3	2.8'			Tr	.10
		204.9-205.7 Poorly developed cherty Q.C. zone.	7070		318.0	320.0	2.0'			Tr	Nil
		206.0 Approx. gradational colour change to green	7071		320.0	322.0	2.0'			Tr	Nil
		206.0-206.6 Q.C. bands	7072		322.0	324.0	2.0'			Tr	.18
		Section continues with green fine to medium grained andesites with occasional Q.C. veins and bands.	7073		324.0	326.0	2.0'			Tr	Nil
		255.7 Thin veinlet of Sp	7074		326.0	328.0	2.0'			Tr	.16
		257.3Q.C. bands, very minor Sp - green quartz carbonate	7075		328.0	330.0	2.0'			Tr	.32
		271.0-271.5 Q.C. veinlet disseminated Py	7076		330.0	332.0	2.0'			Tr	Nil
		272.6-273.1 Q.C. bands, very minor Sp. Tr. ba. Very minor Py.	7077		332.0	334.0	2.0'			Tr	.38
		278.5-278.6 Q.C. vein	7078		334.0	336.0	2.0'			Tr	.26
		290.7-291.0 Q.C. vein	7079		336.0	338.0	2.0'			Tr	.18
		318.3-318.5 Q.C. vein	7080		338.0	340.0	2.0'			Tr	.14
		319.1-319.4 Q.C. bands	7081		340.0	342.0	2.0'			Tr	Nil
		321.4-321.7 Q.C. band slightly 6x.	7082		357.2	359.2	2.0'			Tr	Nil
		323.8-324.1 Q.C. vein slightly 6x									
		323.0-325.0 Somewhat-biotitic section.									
		325.6-325.8 Q.C. bands minor Py.									
		326.0 Colour change to brown biotitic. Frequent Q.C. veins in section.									
		326.1 Q.C. vein									
		327.1-327.5 Q.C. vein									
		327.5-330.7 Frequent Q.C. veins.									
		330.7-333.4 Approx. CHERTY IRON FORMATION Poorly developed unit of grey white chert banded with minor magnetite, Po and Py. Some brecciation with abundant Q.C. Interbedded brown biotitic tuffs. Banding 60° CN.									
		339.0-344.0 Gradational colour change back to green from brown biotitic Q.C. veining abundant to 339.0 tapers off thereafter.									

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-21

SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ./TON	OZ. TON
					FROM	TO	TOTAL				
196.0	359.2	354.4 Colour change to Brown Biotitic - frequent heavy Q.C. veining 357.8-358.5 Bx section								Au	Ag
359.2	383.2	CHERTY IRON FORMATION Banded grey white chert with interbedded Py, Po, and magnetite generally planar bedding - very little brecciation. Occasional Q.C. veining. Banding 45° CN. Occasional garnet development associated with green chlorite bands. e.g. 379.1	7083		359.2	361.0	1.8'			Tr	Nil
			7084		361.0	363.0	2.0'			Tr	Nil
			7085		363.0	365.0	2.0'			.04	.80
			7086		365.0	367.0	2.0'			Tr	Nil
			7087		367.0	369.0	2.0'			.01	.29
			7088		369.0	371.0	2.0'			.01	.09
			7089		371.0	373.0	2.0'			Tr	Nil
			7090		373.0	375.0	2.0'			Tr	Nil
			7091		375.0	377.0	2.0'			.89	.15
			7092		377.0	379.0	2.0'			.02	.16
			7093		379.0	381.0	2.0'			Tr	Nil
			7094		381.0	383.2	2.2'			Tr	Nil
383.2	389.9	DIORITE DYKE Dark green ferromagnesium phenocrysts in grey white slightly calcaious matix. Coarse grained with fine grained (chilled) margins.									
389.8	417.2	CHERTY BIOTITIC ANDESITES Brown biotitic fine grained unit with Q.C. and cherty units - salient features noted as follows. 391.3-392.2 Heavy Q.C. veining 394.2-395.8 Cherty Minor Py. Q.C., Banded at 40°CN over last 6" 397.4-398.2 Chert, Q.C. 398.4-399. Chert, Q.C. 400.0-400.8 Chert, Q.C. 402.0-403.7 Chert, Q.C. Note slumb breccia appearance 404.9-405.8 Chert, Q.C. 408.6-409.0 Cher, Q.C. 410.0-410.8 Chert, Q.C. 411.3-412.2 Garnetiferous Cherty section. Q.C. 412.6-413.2 Chert, Q.C. 415.9 Inclusion of AsPy 415.0-417.2 Chert; Q.C. Base of section set at 417.2 Section indicates a number of syn-sedimentary or early diagenetic	7095		389.8	392.0	2.2'			Tr	Nil
			7096		392.0	394.0	2.0'			Tr	Nil
			7097		394.0	396.0	2.0'			Tr	Nil
			7098		396.0	398.0	2.0'			Tr	Nil
			7099		398.0	400.0	2.0'			.01	Nil
			7100		400.0	402.0	2.0'			Tr	Nil
			7103		402.0	404.0	2.0'			Tr	Nil
			7104		404.0	406.0	2.0'			Tr	Nil
			7105		406.0	408.0	2.0'			.06	Nil
			7106		408.0	410.0	2.0'			Tr	.28
			7107		410.0	412.0	2.0'			Tr	.34
			7108		412.0	414.0	2.0'			Tr	.10
			7109		414.0	416.0	2.0'			Tr	.46

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-21 SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ TON	OZ TON
					FROM	TO	TOTAL				
389.8	417.2	features common to highly mobile depositional environments. In the "conglomeratic" zone well seen from 399.0 to 401.0 clasts of Po may indicate the erosion of Pyritic Iron Formation. Garnets occurring at frequent intervals are probably part of the later structural and chemical alteration and overprinting also evident in the section. The lower contact is at the base of the last chert zone. However, the contact is a transitional one.								Au	Ag
417.2	432.7	BIOTITIC ANDESITES Brown biotitic fine grained unit with frequent randomly oriented and pygmatic Q.C. veins and veinlets. Last 1.5' light grey brown in colour ("bleached") Lower contact unclear due to broken ore.	7110		416.0	418.0	2.0'			Tr	.10
			7111		418.0	420.0	2.0'			Tr	Nil
432.7	436.2	DIORITE(?) DYKE(?) Dark grey green phenocrysts of a ferromagnesium mineral in a grey white slightly calcaeous matrix. Occasional disseminated Po and Py. Medium to fine grained except at lower margin (top unclear due to broken ore) where very fine grained-chilled.									
436.2	477.4	BIOTITIC ANDESITES? Similar to previous biotitic andesitic section 436.2-441.7 Section with a number of sedimentary features - micro conglomeratic with clasts of andesites. Chert in a Q.C. rich matrix. Po and Py common. Section culminates in 3" of cherty Iron Formation. Banding 35°CN. 443.8-446.0 Q.C. veins brecciated. 448.7-449.0 Q.C. vein brecciated 450.0-457.5 Cherty Iron Formation banding 40°CN 462.4-465.2 Cherty Iron Formation Minor Po, Py. Banding 40° CN. Minor brecciation with Q.C.	7112		436.2	438.0	1.8'			Tr	.18
			7113		438.0	440.7	2.7'			Tr	.14
			7114		449.8	451.8	2.0'			Tr	Nil
			7115		462.0	464.0	2.0'			Tr	Nil
			7116		464.0	466.0	2.0'			.34	.36
			7143		466.0	467.5	1.5'			Tr	nil
477.4	487.2	QUARTZ FELDSPAR PORPHYRY Medium grey white unit with small phenocrysts of quartz and white and pink feldspars. Tr. of Py in veinlets.									
487.2	529.9	ANDESITES Section commences with Brown Biotitic andesites similar to those above	7117		487.2	488.7	1.5'			Tr	Nil

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-21 SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Pb %	Zn %	OZ/TON	OZ/TON	Cu %
					FROM	TO	TOTAL					
487.2	529.9	Occasional Q.C. veins 488.7-490.6 Cherty Iron Formation Minor Po. Very minor Py. Tr. AsPy Banding 40°CN 491.4 Minor Garnet development 493.0-494.0 Gradual colour change from brown to green. Q.C. veining common. 494.6-494.8 Q.C. band 496.4-498.0 Q.C. banding-conglomeratic sedimentary aspect 498.0-501.0 Brown Biotitic section 502.5-506.- Somewhat siliceous section. Foliation developed 511.5-522.0 Siliceous section-definite foliation. 522.0 Colour change to brown - appears to be due to brown carbonate.	7118		488.7	490.6	1.9'			Au .02	Ag Nil	
			7119		490.6	492.6	2.0'			Tr	.20	
			7120		527.9	529.9	2.0'			Tr	Nil	
529.9	532.9	DIORITE DYKE(?) Dark green phenocysts in a grey white slightly calcareous matrix. Finer grained margins indicate chilling.	7129		529.9	532.9	3.0'			Tr	.30	
532.9	545.5	CHERTY IRON FORMATION "D" GOLD ZONE Grey white chert banded with magnetite minor AsPy and Po. Some sections brecciated. Q.C. relatively common. Bands vary 30° - 50°CN. 533.8-534.7 Moderate to heavy AsPy in bands. Minor Po. 538.6-539.8 Small fine grained Diorite dyke. 539.8-541.5 Slumped section of cherty Q.C. V.G. specks at 540.8. 544.6-545.5 Q.C. cherty Breccia	7121		532.9	534.0	1.1'	Tr	.01	.48	.09	.01
			7122		534.0	536.0	2.0'	Tr	.01	.99	.22	.02
			7123		536.0	537.0	1.0'	.01	.01	.04	.05	.01
			7124		537.0	538.6	1.6'	.01	.03	.05	.03	.02
			7125		538.6	539.8	1.2'	Tr	.02	.01	.02	.02
			7126		539.8	542.0	2.2'	.01	.01	.40	.14	.01
			7127		542.0	544.0	2.0'	.01	.01	.04	.11	.01
			7128		544.0	545.5	1.5'	.01	.01	.06	.02	.01
			7130		545.5	548.0	2.5'	.01	.01	.01	Tr	.01
			7131		548.0	549.0	1.0'	.01	.01	.03	.02	.01
			7132		549.0	551.0	2.0'	Tr	.01	Tr	Tr	.01
545.5	548.1	BIOTITIC ANDESITE Brown biotitic unit. Occasional Q.C. veinlet.										
548.1	548.8	CHERTY IRON FORMATION Q.C. banding 35°CN.										
548.8	563.8	ANDESITES Brown biotitic to 531.0 then green white silicious appearance to 557.0.	7133		561.2	563.8	2.6'			Tr	Nil	
			7134		563.8	565.4	1.6'			Tr	.26	

2" core
rec.
V.G.

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-21 SHEET NO. 6 7

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
548.8	563.8	557.0 Colour change to brown biotitic. 561.2-562.4 Q.C. veins and bands.	7135		565.4	567.0	1.6'			Au .05	Ag .41
563.8	565.4	QUARTZ FELDSPART PORPHYRY DYKE? Grey white generally fine grained unit with phenocrysts of pink feldspar. Minor Py.									
565.4	570.3	CHERT UNIT Brecciated and broken grey white chert unit. Banding indistinct. Common Q.C. Minor Py, Po. Tr. AsPy	7136 7137		567.0 569.0	569.0 570.3	2.0' 1.3'			.08 Tr	Nil Nil
570.3	630.4	ANDESITES Unit commences with brown biotitic fine grained duff? Q.C. common over first 5'. 578.1-578.4 Q.C. band, heavy AsPy, Minor Py, Po, Ga, v. minor Sp. 578.1-578.2 Massive AsPy 578.4-578.6 Garnet development 581.0 Gradational colour change to grey green-white. Foliation developed 583.0 Colour change to brown biotitic. 591.0-591.7 Q.C. veins 596.4-596.6 Q.C. band 598.5-599.0 Gradual colour change from brown to green grey 618.3-618.5 Q.C. vein minor Py, Po, Sp, Tr Ga, AsPy.	7138 7144 7139 7145		570.3 576.0 577.6 578.6	572.3 577.6 578.6 580	2.0' 1.6' 1.0' 1.4'			Tr Tr .10 Tr	Nil Nil Nil Nil
630.4	633.1	RHYOLITE Grey white fine grained unit. Sharp biotitic contacts with country rock. Short sections of country rock incorporated at top and bottom contacts.									
633.1	668.7	ANDESITES Similar to above andesitic section. E.O.H. 668.7' CASING PULLED, HOLE CEMENTED									
		EXTRA ASSAYS	7116		464.0	466.0	2.0'			.10	.40
		"REJECT" OTHER SIDE OF 7116	7142		464.0	466.0	2.0'			.05	Nil

LANGRIDGES - TORONTO - 366-1188

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-21 SHEET NO. 8

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ. TON	OZ. TON
		FROM			TO	TOTAL				
		<u>SLUDGE ASSAYS</u>								
		<u>Metres</u> <u>Feet</u>			<u>Metres</u> <u>Feet</u>		<u>Au</u> <u>Ag</u>			
		54 - 57 177 - 187			174 - 177 571 - 581		.01 Nil			
		57 - 60 187 - 197			177 - 180 581 - 591		Trace .20			
		60 - 63 197 - 207			180 - 183 591 - 601		Trace .24			
		63 - 66 207 - 217			183 - 186 601 - 611		Trace .36			
		66 - 69 217 - 226			186 - 189 611 - 620		Trace Nil			
		69 - 72 226 - 236			189 - 192 620 - 630		Trace Nil			
		72 - 75 236 - 246			192 - 195 630 - 640		Trace .40			
		75 - 78 246 - 256			195 - 198 640 - 650		Trace .22			
		78 - 81 256 - 266			198 - 201 650 - 660		Trace .30			
		81 - 84 266 - 276			201 - 204 660 - 669		Trace .28			
		84 - 87 276 - 285					Trace Nil			
		87 - 90 285 - 295					Trace .90			
		90 - 93 295 - 305					Trace .44			
		93 - 96 305 - 315					Trace Nil			
		96 - 99 315 - 325					Trace Nil			
		99 - 102 325 - 335					.02 .14			
		102 - 105 335 - 345					Trace Nil			
		105 - 108 345 - 355					Trace .18			
		108 - 111 355 - 364					Trace Nil			
		111 - 114 364 - 374					.08 .20			
		114 - 117 374 - 384					.84 .06			
		117 - 120 384 - 394					.34 .62			
		120 - 123 394 - 404					.13 .14			
		123 - 126 404 - 414					.13 .33			
		126 - 129 414 - 423					.12 .60			
		129 - 132 423 - 433					.04 .28			
		132 - 135 433 - 443					.03 Nil			

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-22 LENGTH _____
 LOCATION On "D" Gold Zone, McFinley Peninsula
 LATITUDE 6+20S DEPARTURE 1+90West
 ELEVATION _____ AZIMUTH Grid East DIP -45°
 STARTED 27/05/1983 FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 83-22 SHEET NO. 1

REMARKS _____

LOGGED BY _____

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO					TOTAL
0	37.3	CASING								
37.3	67.2	ANDESITES Medium green fine grained massive unit. Infrequent Q.C. veins & veinlets.								
67.2	78.1	CHERTY IRON FORMATION Grey white chert with interbanded green chlorite, magnetite. Minor Py and Po, Tr. AsPy. Some sections brecciated - see below. Bands dip at 25°CN 71.8-76.5 Brecciated section 75.5-75.8 Massive Py. Basal contact appears transitional. Set at last chert band.	7146		67.2	69.0	1.8'		.02	Nil
			7147		69.0	71.0	2.0'		.01	Nil
			7148		71.0	73.0	2.0'		.06	.08
			7149		73.0	75.5	2.5'		.04	.78
			7150		75.5	75.8	.3'		.04	.08
			7151		75.8	78.1	2.3'		.01	.31
78.1	177.9	ANDESITES Similar to unit above. 116.0-117.0 Gradational colour change to brownish biotitic 117.7-117.9 Sulphide Q.C. band. Massive asPy at 117.8 Moderate Po and minor Py. 118.2-119.0 Cherty Q.C. band, brecciated. Massive Py at 118.7 Minor Po 121.0-122.0 Gradational colour change from brownish biotitic to green 167.0-167.2 Q.C. vein 167.3-167.5 Q.C. vein 172.0-172.2 Q.C. vein 177.0-177.9 Green talcose section with Q.C. bands and veinlets Transitional base to andesitic sequence. Very minor Po.	7152		117.5	119.5	2.0'		.02	.32
			7153		177.0	178.9	1.9'		Tr	.30
177.9	181.4	CHERT UNIT Grey white chert banded with minor Po and brown biotitic andesite. Banding indistinct at 30°CN, section brecciated Sharp base at 181.4	7154		178.9	180.0	1.1'		Tr	Nil
			7155		180.0	181.4	1.4'		.06	.06

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-22 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ TON	OZ TON
					FROM	TO	TOTAL				
181.4	225.9	<p>ANDESITES</p> <p>Section commences with a light green relatively taley material with Q.C. veins and bands</p> <p>185.0-186.0 Colour change to brown biotitic</p> <p>193.5-193.6 Cherty Quartz Carbonate Band. V. Minor Po</p> <p>194.0-196.0 Diffuse bands of grey brown siliceous rock</p> <p>203.3-203.7 Cherty Q.C. band Moderate Po</p> <p>213.6-213.8 Q.C. Band</p> <p>219.2-219.7 Q.C. band - cherty aspect very minor Po, Py, Tr. AsPy</p>	7156		181.4	184.0	2.6'			Au	Ag
			7157		184.0	186.5	2.5'			Tr	nil
			7158		193.0	194.0	1.0'			Tr	nil
			7161		201.0	203.0	2.0'			Tr	nil
			7159		203.0	204.0	1.0'			.83	.55
			7162		204.0	206.0	2.0'			Tr	.10
			7160		219.0	220.0	1.0'			Tr	.10
225.9	230.4	<p>DIORITE DYKE(?)</p> <p>Dark green ferromagnesian phenocrysts in a grey white slightly calcareous matrix. Fine grained margins indicate chilling.</p>									
230.4	252.6	<p>ANDESITES</p> <p>Brown biotitic to 240.0 approx. Section similar to that above diorite dyke. Unit has a sedimentary appearance through top part of sequence.</p> <p>244.6-245.6 Cherty Iron Formation. Minor to moderate Po, Py, Tr AsPy</p> <p>Bands dip at 20°CN.</p> <p>245.6-247.0 Gradational colour change to brown biotite.</p>	7163		244.0	246.0	2.0'			.02	Nil
252.6	261.5	<p>QUARTZ FELDSPAR PORPHYRY</p> <p>Grey white massive unit with small phenocrysts of pink feldspar and grey quartz?. Very minor disseminated Py. Upper contact brecciated with block of country rock incorporated (or interbedded?) Bottom contact sharp at 20°CN.</p>									
261.5	288.2	<p>ANDESITES</p> <p>Section commences with heavy brown biotite gradationally changing to green at 265.0-266 approx.</p> <p>266.8-267.0 Q.C. band moderate Py, minor Po.</p> <p>268.7-270.0 Q.C. vein semiparallel to core.</p> <p>276.2-277.0 Cherty Iron Formation Heavy magnetite bands 20°CN.</p> <p>Occasional hairlike veins of Q.C. only evidence of structural disturbance.</p> <p>277.0 Colour change to slightly brown biotitic</p> <p>283.6-284.6 Small unit with gradational boundaries</p> <p>Amygdaloidal in appearance.</p>	7164		266.4	267.4	1.0'			Tr	Nil
			7165		276.2	277.0	0.8'			Tr	.34
			7166		286.0	288.2	2.2'			Tr	Nil

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-22 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ TON	OZ TON
					FROM	TO	TOTAL				
288.2	291.0	CHERTY IRON FORMATION Grey white banded chert with magnetite, minor Py, Po, and very minor green chlorite. - garnets developed in chlorite band. Banding 20°CN.	7167		288.2	289.5	1.3'			Au	Ag
			7168		289.5	291.0	1.5'			.01	.15
										.01	Nil
291.0	306.8	ANDESITES Brown biotitic unit with occasional randomly orientated Q.C. veins. 301.4-303.2 Q.C./andesitic micro breccia zone. Disseminated Py. Brecciated lower contact with frequent randomly oriented Q.C. veins.	7169		291.0	293.0	2.0'			Tr	.74
			7170		301.4	303.2	1.8'			.02	Nil
			7171		305.0	306.8	1.8'			Tr	Nil
306.8	311.3	CHERTY IRON FORMATION Banded at 20°CN to 308.5 when banding deteriorates to a chert -magnetite Q.C. melange. 309.9-310.6 Q.C. vein semi-parallel to core axis Sharp basal contact with minor brecciation.	7172		306.8	309.0	2.2'			.02	.24
			7173		309.0	311.3	2.3'			.03	Nil
311.3	326.2	ANDESITES Brown biotitic unit with occasional randomly oriented Q.C. veins and veinlets. 316.2-316.3 Q.C. vein moderate Po, Py 317.2-317.4 Q.C. vein minor PoPY 321.0 approx. Start of bleached zone with small veinlets of Q.C. - bleached veins. 323.9-324.0 Q.C. vein minor Po and Py, Tr AsPy Sharp micro-brecciated contact at base of unit.	7174		311.3	313.0	1.7'			Tr	.16
			7175		316.0	317.0	1.0'			Tr	.14
			7176		317.0	318.0	1.0'			Tr	Nil
			7177		323.0	325.0	2.0'			Tr	Nil
			7178		325.0	326.2	1.2'			.03	Nil
326.2	332.0	CHERT UNIT ("D" ZONE) Grey white chert brecciated with Q.C., biotitic andesites and moderate to heavy sulphides (sinter unit?) 326.3-326.7 Heavy to massive Sp, Po, moderate AsPy, and v Minor Py. 327.0-327.2 Moderate Sp and AsPy in Q.C. matrix 328.5-328.6 heavy Sp and AsPy Base of unit set at last Quartz Carbonate/chert band at 332.0 hoever base may be considered transitional.	7179		326.2	328	1.8'			.11	Nil
			7180		328.0	330.0	2.0'			.06	.72
			7181		330.0	332.0	2.0'			Tr	.46
332.0	374.1	ANDESITES Brown biotitic with frequent Q.C. veins and bands 341.0 Colour change to green, siliceous	7182		332.0	334.0	2.0'			Tr	.22

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-22 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ TON	OZ TON
					FROM	TO	TOTAL				
332.0	374.1	351.0-356.6 Grey green silicified zone 356.6 Colour change to brown biotitic 357.8-359.8 Cherty Iron Formation Indistinct bands 15-20°CN. Minor Po,Py, Unit brecciated 358.1-358.4 Green chlorite band. 362.0 Gradational colour change from brown biotitic to green 374.1 E.O.H. CASING PULLED HOLE CEMENTED.	7183		356.0	357.8	1.8'			Au	Ag
			7184		357.8	359.8	2.0'			Tr	Nil
			7185		359.8	362.0	2.2'			.01	.05
										Tr	.08

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley Extra Assays ("D" Zone)
 HOLE NO. 83-22 Red Lake, Ontario SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPH IDES	FOOTAGE		%	%	OZ/TON	OZ/TON	
					FROM	TO					TOTAL
		Previous Assay No. 7177	7186		323.0	325.0	2.0'			Au.	Ag.
		" " " 7178	7187		325.0	326.2	1.2'			Tr	Nil
		" " " 7179	7188		326.2	328.0	1.8'			Tr	Nil
		" " " 7180	7189		328.0	330.0	2.0'			.05	1.13
		" " " 7181	7190		330.0	332.0	2.0'			.02	.62
		" " " 7182	7191		332.0	334.0	2.0'			Tr	.30
										.02	.30

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-22 SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPH. IDES	FOOTAGE		%	%	OZ TON	OZ TON
				FROM	TO	TOTAL				
<u>SLUDGE ASSAYS</u>										
	<u>Metres</u>	<u>Feet</u>	<u>Au</u>	<u>Ag</u>						
	12 - 15	39 - 49	.02	Nil						
	15 - 18	49 - 59	Trace	.08						
	18 - 21	59 - 69	.01	Nil						
	21 - 24	69 - 79	.08	.22						
	24 - 27	79 - 89	.02	Nil						
	27 - 30	89 - 99	.02	Nil						
	30 - 33	99 - 108	.01	Nil						
	33 - 36	108 - 118	.02	Nil						
	36 - 39	118 - 128	.05	.17						
	39 - 42	128 - 138	.02	.24						
	42 - 45	138 - 148	.03	.37						
	45 - 48	148 - 158	.03	.47						
	48 - 51	158 - 167	.03	.33						
	51 - 54	167 - 177	.04	.16						
	54 - 57	177 - 187	.07	.17						
	57 - 60	187 - 197	.04	.08						
	60 - 63	197 - 207	.22	.24						
	63 - 66	207 - 217	.12	Nil						
	66 - 69	217 - 227	.08	.16						
	69 - 72	227 - 236	.08	.56						
	72 - 75	236 - 246	.06	.50						
	75 - 78	246 - 256	.12	.28						
	78 - 81	256 - 266	.06	.06						
	81 - 84	266 - 276	.07	.31						
	84 - 87	276 - 286	.04	.22						
	87 - 90	286 - 295	.05	Nil						
	90 - 93	295 - 305	.04	.22						
	93 - 96	305 - 315	.04	.12						
	96 - 99	315 - 325	.01	.27						
	99 - 102	325 - 335	.11	1.73						
	102 - 105	335 - 345	.04	.34						
	105 - 108	345 - 355	.05	Nil						
	108 - 111	355 - 365	.02	Nil						
	111 - 114	365 - 374	Trace	.12						

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-23 LENGTH 215.7 feet
 LOCATION On McFinley Peninsula
 LATITUDE 0+00 DEPARTURE 1 + 00 W
 ELEVATION _____ AZIMUTH Grid E DIP -45°
 STARTED 31/05/1983 FINISHED 01/06/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
75.5	43.5°				
187.1	44.0°				

HOLE NO. 83-23 SHEET NO. 1
 REMARKS _____
 Drilled by St. Lambert
 LOGGED BY J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
0	63.3	CASING										
63.3	68.4	ANDESITES Medium green coloured. Medium to fine grained unit with occasional Q.C. veins. 64.3-64.4 Q.C. vein 66.6-66.9 Cherty Q.C. vein (?) or band(?) 67.8-68.4 Q.C. vein	7192		66.3	67.3	1.0'			Tr	.10	
68.4	71.5	DIORITE DYKE Dark green ferromagnesian phenocrysts in a grey white slightly calcareous matrix. Fine grained margins indicate chilling.										
71.5	84.8	ANDESITES Similar to unit at 63.3-68.4'.										
84.8	88.1	DIORITE DYKE Similar to unit above but generally finer grained. Chilled margins.										
88.1	101.8	ANDESITES Medium green fine to medium grained unit. Similar to above. 88.8-90.4 Cherty Unit, Grey chert with minor interbanded Py and Po. Also veinlets of Py and Po, minor Q.C. Bands dip at 30°CN. 91.9-92.5 Cherty Unit. Veinlets Py and Po. Minor Q.C. Bands at 30°CN 101.5 Change to brownish green (biotitic?)	7193 7194 7195		88.9 91.9 99.8	90.4 92.5 101.8	1.5' 0.6' 2.0'			Tr Tr Tr	.14 .04 .16	
101.8	120.9	CHERTY IRON FORMATION Interbanded grey white chert, magnetite, infrequent biotitic andesite and infrequent green chlorite. Occasional minor Py and Po chiefly in	7196 7197		101.8 104.0	104.0 106.0	2.2' 2.0'			Tr Tr	.38 .32	

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-23 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
101.8	120.9	veins. Tr AsPy. Garnets occur at 109.4. Bands generally dip 10°-20°CN. Short brecciated sections. 115.7-118.0 Section with diffuse upper and lower margins rich in Carbonate-- no distinct banding, porphyritic appearance.	7198		106.0	108.0	2.0'			Au	Ag
			7199		108.0	110.0	2.0'			Tr	.28
			7200		110.0	112.0	2.0'			Tr	.80
			7201		112.0	114.0	2.0'			.02	.15
			7202		114.0	115.7	1.7'			.01	.21
			7203		115.7	118.0	2.3'			Tr	Nil
			7204		118.0	120.0	2.0'			Tr	Nil
120.9	124.8	CHERTY BIOTITIC ANDESITE (?) TRANSITION ZONE Grey white chert with interbanded brownish biotitic material. Bands at 10°CN. Chert fades out at 124.8.	7205		120.0	121.0	1.0'			.01	Nil
			7206		121.0	123.0	2.0'			Tr	.14
			7207		123.0	125.0	2.0'			Tr	.06
124.8	215.7	ANDESITES Unite commences with Quartz Carbonate and brown biotitic material -brecciated and interbedded. 127.6 Colour change to green - Q.C. bands and veins continue very infrequently after this point. 131.2-131.4 Q.C.vein moderate Py. 148.9-149.1 Q.C. vein minor Py, Po, Sp, Ga. 161.3-161.5 Crosscutting "stringer" of Diorite - Note flow oriented ferromagnesian crystals. 162.2-163.4 Diorite - fine grained 163.9-164.8 Q.C. vein, note block of diorite incorporated. 166.4-166.9 Diorite. Q.C. and disseminated Py in andesites at lower margin. 190.0 Foliation, evidenced by long axes orientation of biotitic(?) porphk porphyroblasts gradually appears. Rare Q.C. veins. 208.7-209.4 Q.C. veins and bands. 209.7-210.3 Q.C. veins and bands. 210.5-211.1 Q.C. veins and bands 211.5-211.6 Q.C. vein 211.9-212.0 Q.C. vein 215.5-215.6 Q.C. vein 211.0 Approx. Gradual increase in talc content - talc chlorite schist? 215.7 E.O.H. HOLE CEMENTED. CASING PULLED.	7208		125.0	127.0	2.0'			Tr	.22
			7209		127.0	129.0	2.0'			Tr	1.06
			7210		130.8	131.8	1.0'			Tr	.28
			7211		148.5	149.5	1.0'			tr	.38

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-23 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ TON	OZ TON
					FROM	TO	TOTAL				
		<u>SLUDGE ASSAYS</u>									
		<u>Metres</u>	<u>Feet</u>	<u>Au</u>	<u>Ag</u>						
		- 21	- 69	.03	.37						
		21 - 24	69 - 79	Trace	.12						
		24 - 27	79 - 89	Trace	.08						
		27 - 30	89 - 99	Trace	Nil						
		30 - 33	99 - 108	Trace	.20						
		33 - 36	108 - 118	Trace	.34						
		36 - 39	118 - 128	.01	1.40						
		39 - 42	128 - 138	.02	.32						
		42 - 45	138 - 148	Trace	.16						
		45 - 48	148 - 158	Trace	.08						
		48 - 51	158 - 167	Trace	Nil						
		51 - 54	167 - 177	Trace	.20						
		54 - 57	177 - 187	Trace	.10						
		57 - 60	187 - 197	Trace	Nil						
		60 - 63	197 - 207	Trace	Nil						
		63 - 66	207 - 217	.14	Nil						

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-24 LENGTH 187 feet
 LOCATION On McFinley Peninsula
 LATITUDE L. 3N DEPARTURE L. 00 W
 ELEVATION _____ AZIMUTH Grid East DIP -50°
 STARTED 02/06/1983 FINISHED 05/06/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
29.5'	49°				
187.0'	49.5°				

HOLE NO. 83-24 SHEET NO. 1

REMARKS _____

Drilled by St. Lambert

LOGGED BY J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
0	20.3	CASING										
20.3	52.7	ANDESITES Medium green fine grained unit with rare Q.C. veins to 36.0'. Q.C. Carbonate veins increase with talc chlorite alteration. 41.4-42.2 Q.C. vein 42.4-43.2 Q.C. veins with occasional minor Po. Somewhat brown biotite aspect to surrounding country rock. Q.C. veins continue to 50.5 where they decrease along with a gradual decrease in talc chlorite alteration. Indistinct contact with Diorite - appears to be porcellanised for 4" above thin Quartz vein - assumed contact.	7212		41.4	43.5	2.1'			Tr	Ag	Nil
52.7	55.3	DIORITE DYKE Dark green ferromagnesian phenocrysts in a grey white calcareous matrix. Very fine grained margins indicate chilling. Surrounding country rock appears to be thermally altered.										
55.3	67.4	ANDESITES Medium green fine grained unit. 56.2-59.0 Random orientated Q.C. veins and veinlets. Tr. Po. Dark grey-black mineral present. Tourmaline? Purplish tinge to some of the Q.C. suggests Fluorite. 59.1-59.4 Diorite 62.6-62.9 Q.C. vein. 66.8-67.0 Q.C. vein										
67.4	71.1	DIORITE DYKE Similar to Diorite unit above but more coarse grained. Slightly diminished grain size at margins --chilled										
71.1	117.8	ANDESITES Similar to unit above Diorite at 67.4-71.1 Gradual increase in talc chlorite alteration from approx. 76.0 onwards.										

LANGRIDDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-24 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE		%	%	OZ. TON	OZ. TON	
					FROM	TO					TOTAL
71.1	117.8	76.0-88.0 Talc Chlorite Schist. Gradational contacts. The talc chlorite schist is a pale to medium green unit with long circular needles of green chlorite in a talc chlorite ground mass. Rare Q.C. veins occur. 80.9-81.0 Vein of massive Po, Sp with moderate Ga mixed throughout. Minor Py also. 88.0 Development of foliation emphasized by long axes orientation of brown biotitic(?) Porphyroblasts. 91.5 Gradual increase in Q.C. veins and bands. 92.8-93.0 Q.C. breccia 93.0-93.6 Q.C. bands. 93.9-94.0 Q.C. vein 96.1-99.5 Chert Unit. Very poorly developed. Chert has the appearance of coarse grained Quartzite. 99.5-100.9 Section of possible sedimentary origin. 100.9-103.2 Chert Unit. Very poorly developed. Similar to unit above. 103.2-105.0 Somewhat brown biotitic andesite unit. 105.0-106.1 Chert Unit. Poorly developed - almost a Quartzitic or Pelitic sediment. Banding 25°CN. 106.1-108.1 Chert Unit. Well developed fine chert. Minor green chlorite banding. Minor Q.C., Po. Brecciated aspect.	7213		80.4	81.4	1.0'			Au .06	Ag .96
			7214		106.1	108.1	2.0'			Tr	Nil
			7215		116.0	117.8	1.8'			Tr	Nil
117.8	154.0	CHERTY IRON FORMATION. Interbanded grey white chert, green chlorite and minor magnetite and very minor Po, Py. short brecciated sections. Magnetite and green chlorite essentially absent below 127.5'. Occasional magnetite present in sections thereafter. Occasional biotitic andesite sections. 133.9-140.7 Section of "Birdseye" tuff? Rounded 1-2 mm. Green biotitic rimmed grey white clasts in a grey white matrix. 136.2-137.7 Quartz carbonate vein with attendant brecciation. Minor Po and Py occurs in bands and rare veins throughout the section. Banding generally 30°CN.	7216		117.8	120.0	2.2'			.01	Nil
			7217		120.0	122.0	2.0'			Tr	Nil
			7218		122.0	124.0	2.0'			.09	.30
			7219		124.0	126.0	2.0'			Tr	Nil
			7220		126.0	128.0	2.0'			Tr	Nil
			7221		128.0	130.0	2.0'			Tr	Nil
			7222		130.0	132.0	2.0'			Tr	Nil
			7223		132.0	134.0	2.0'			Tr	.18
			7224		134.0	136.0	2.0'			Tr	.10
			7225		136.0	138.0	2.0'			Tr	Nil
			7226		138.0	140.0	2.0'			Tr	Nil
			7227		140.0	142.0	2.0'			Tr	Nil
			7228		142.0	144.0	2.0'			Tr	Nil
			7229		144.0	146.0	2.0'			Tr	Nil
			7230		146.0	148.0	2.0'			Tr	.14
			7231		148.0	150.0	2.0'			Tr	.66

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-24 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
117.8	154.0		7232		150.0	152.0	2.0'			Au	Ag
			7233		152.0	154.0	2.0'			Tr	.20
										Tr	Nil
154.0	187.0	ANDESITES	7234		154.0	156.0	2.0'			Tr	Nil
		Unit commences as a brown biotitic section with occasional Q.C. veins and veinlets.	7236		178.5	180.0	1.5'			Tr	Nil
		156.6-157.8 Q.C. bands									
		158.5 Colour change to green.									
		Infrequent biotitic sections and Q.C. veins occur thereafter.									
		179.2-179.6 Randomly orientated Q.C. veins. Black mineral. Tourmaline?									
		187.0 E.O.H. CASING PULLED. HOLE CEMENTED.									
		<u>SLUDGE ASSAYS</u>									
		<u>Metres</u>	<u>Feet</u>	<u>Au</u>	<u>Ag</u>						
		6 - 9	20 - 30	Trace	Nil						
		9 - 12	30 - 39	Trace	.32						
		12 - 15	39 - 49	Trace	Nil						
		15 - 18	49 - 59	Trace	Nil						
		18 - 21	59 - 69	Trace	.10						
		21 - 24	69 - 79	Trace	.28						
		24 - 27	79 - 89	Trace	Nil						
		27 - 30	89 - 99	Trace	Nil						
		30 - 33	99 - 108	Trace	.12						
		33 - 36	108 - 118	Trace	.20						
		36 - 39	118 - 128	Trace	.52						
		39 - 42	128 - 138	Trace	.12						
		42 - 45	138 - 148	.02	.20						
		45 - 48	148 - 158	.02	.68						
		48 - 51	158 - 167	Trace	Nil						
		51 - 54	167 - 177	Trace	.26						

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-25 LENGTH 246.1'
 LOCATION McFinley Peninsula
 LATITUDE L. 3 +00N DEPARTURE L. + 00W
 ELEVATION _____ AZIMUTH Grid East DIP -80°
 STARTED 05/06/1983 FINISHED 06/06/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
26.3'	80.5°				
246.1'	72.5°				

HOLE NO. 83-25 SHEET NO. 1
 REMARKS _____
 Drilled by St. Lambert
 LOGGED BY J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
				FROM	TO	TOTAL				
0	15.8	CASING							Au	Ag
15.8	74.2	ANDESITES Medium green fine grained essentially massive unit with infrequent Q.C. veins and veinlets. 33.9 Foliation due to long axes orientation of ferromagnesian (biotite?) developed 37.6 Change to brown biotitic completed. 38.3-41.2 Cherty Quartz Carbonate Band. Banding poorly defined. Minor to moderate Py and Po disseminated throughout. 43.0-44.0 Gradational colour change to green. 71.0-74.2 Fine grained grey green siliceous aspect.	7235		38.3	41.2	2.9'		Tr	Nil
74.2	77.5	DIORITE DYKE. Dark green ferromagnesian mineral in a grey white slightly calcareous matrix. Chilled margins.								
77.5	91.8	ANDESITES Similar to section above diorite. Occasional Q.C. veins.								
91.8	94.8	DIORITE DYKE Similar to above but more coarse grained and not as distinctively chilled margins.								
94.8	157.4	ANDESITES Similar to unit above. 102.0-147.0 approx. Pale to medium green talc chlorite schist. 104.8-105.1 Q.C. vein minor Po and Py. 147.0-157.4 Growth of brown biotite (?) crystals give a foliated aspect to parts of this section.								
157.4	161.8	CHERT UNIT Poorly developed, similar to those seen in 83-24.	7237		158.0	160.0	2.0'		Tr	.10

DIAMOND DRILL RECORD

 NAME OF PROPERTY McFinley, Red Lake, Ontario

 HOLE NO. 83-25 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
157.4	161.8	158.4-159.0 Minor Bx. with minor Q.C. vein parallel to core axis. 160.9-161.8 Well developed chert bands. Banding 40°CN. Very minor Po and Py.	7238		160.0	161.8	1.8'			Au	Ag
161.8	170.6	ANDESITES Medium green fine grained unit, essentially massive 166.0-166.6 Q.C. vein	7239		165.5	167.0	1.5'			Tr	.28
			7240		167.0	169.0	2.0'			Tr	.16
			7241		169.0	170.6	1.6'			Tr	Nil
170.6	216.8	CHERTY IRON FORMATION Interbanded grey white chert minor green chlorite and moderate magnetite. Occasional veinlets and bands of Po and Py. Bands generally dip at 30°CN Short section of brecciation. 191.8-191.9 Band of massive Po. 195/7-206.5 Moderate to heavy Q.C. veining randomly oriented. 194.6-197.9 Thin bands of biotitic material in an essentially cherty Q.C. matrix. 197.9-203.5 (very approx. Q.C. veining obscures contact) "Birdseye" tuff. (See 83-24) 206.7-210.3 Bands and veins of Py occur frequently. 211.3 onwards bands of biotitic andesite occur with increasing frequency--transition zone at base of chert unit. Last chert band at 216.8 approx. (broken core)	7242		170.6	173.0	2.4'			Tr	.10
			7243		173.0	175.0	2.0'			.02	.30
			7244		175.0	177.0	2.0'			Tr	.28
			7245		177.0	179.0	2.0'			.01	.46
			7246		179.0	181.0	2.0'			Tr	.12
			7247		181.0	183.0	2.0'			Tr	.24
			7248		183.0	185.0	2.0'			Tr	.24
			7249		185.0	187.0	2.0'			Tr	.28
			7250		187.0	189.0	2.0'			.01	.16
			7251		189.0	191.0	2.0'			Tr	Nil
			7252		191.0	193.0	2.0'			Tr	Nil
			7253		193.0	195.0	2.0'			Tr	.46
			7254		206.0	208.0	2.0'			Tr	Nil
7255		208.0	210.0	2.0'			Tr	Nil			
7256		210.0	212.0	2.0'			Tr	Nil			
216.8	246.1	ANDESITES Unit commences with a slightly brown (biotitic) colour changing to the more usual green at 220' approx. 223.0-223.2 Q.C. veins 223.5-224.6 Q.C. infilled microbreccia zone - "conglomerate" of sedimentary origin? 225.6-226.3 Quartz and Q.C. veins. 227.4-228.3 Q.C. vein 228.5-228.7 Q.C. vein 229.0-229.9 Q.C. vein 229.9-227.0 Brown biotitic section 227.0-227.3 Q.C. bands or veins Infrequent Q.C. bands and veins occur thereafter 246.1 E.O.H. CASING PULLED. HOLE CEMENTED.									

LANGRIDDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-25 Extra Assays SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	Au	Ag
					FROM	TO	TOTAL			OZ/TON	OZ/TON
			8147		170.6	173.0	2.4'			Tr	Ni1
			8148		173	175	2.0'			Tr	Ni1
			8149		175	177	2.0'			Tr	Ni1
			8150		177	179	2.0'			Tr	Ni1
			8151		179	181	2.0'			Tr	Ni1
			8152		181	183	2.0'			Tr	Ni1
			8153		183	185	2.0'			Tr	Ni1
			8154		185	187	2.0'			Tr	Ni1
			8155		187	189	2.0'			Tr	Ni1
			8156		189	191	2.0'			.01	Ni1
			8157		191	193	2.0'			Tr	Ni1
			8158		193	195	2.0'			.01	.44
			8159		206	208	2.0'			Tr	.62
			8160		208	210	2.0'			Tr	.48
			8161		210	212	2.0'			Tr	Ni1
			8208		212	214	2.0'			Tr	Ni1
			8209		214	216	2.0'			Tr	Ni1
			8210		216	218	2.0'			Tr	.60
			8211		218	220	2.0'			Tr	.40
			8212		220	222	2.0'			Tr	Ni1
			8213		222	224	2.0'			Tr	Ni1
			8214		224	226	2.0'			Tr	Ni1
			8215		226	228	2.0'			Tr	Ni1
			8216		228	230	2.0'			Tr	Ni1
		<u>Mineralized Zone</u>									
		<u>From</u> <u>To</u> <u>Total</u>	<u>oz/t</u>								
		170.6 189.0 18.4'	<u>Au</u>	<u>Ag</u>							
			NIL	0.12							

LANGRIDGES - TORONTO - 368-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-25 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ TON	OZ TON
					FROM	TO	TOTAL				
		<u>SLUDGE ASSAYS</u>									
		<u>Metres</u>	<u>Feet</u>	<u>Au</u>	<u>Ag</u>						
		6 - 9	20 - 30	Trace	.56						
		9 - 12	30 - 39	Trace	Nil						
		12 - 15	39 - 49	Trace	Nil						
		15 - 18	49 - 59	Trace	Nil						
		18 - 21	59 - 69	Trace	Nil						
		21 - 24	69 - 79	Trace	Nil						
		24 - 27	79 - 89	Trace	Nil						
		27 - 30	89 - 99	Trace	Nil						
		30 - 33	99 - 108	Trace	Nil						
		33 - 36	108 - 118	Trace	Nil						
		36 - 39	118 - 128	Trace	Nil						
		39 - 42	128 - 138	Trace	Nil						
		42 - 45	138 - 148	Trace	Nil						
		45 - 48	148 - 158	Trace	Nil						
		48 - 51	158 - 167	Trace	Nil						
		51 - 54	167 - 177	Trace	Nil						
		54 - 57	177 - 187	.02	.06						
		57 - 60	187 - 197	.01	.59						
		60 - 63	197 - 207	.03	.49						
		63 - 66	207 - 217	.01	.24						
		66 - 69	217 - 227	Trace	Nil						
		69 - 72	227 - 236	Trace	Nil						
		72 - 75	236 - 246	Trace	.30						

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-26 LENGTH 933.0'
 LOCATION McFinley Peninsula
 LATITUDE 4 + 00 N DEPARTURE 0 + 60 E
 ELEVATION _____ AZIMUTH North 76°E DIP -50°
 STARTED 07/06/1983 FINISHED 15/06/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
19.7	49.5°				
656	43.5°				
935.4	43.0°				

HOLE NO. 83-26 SHEET NO. 1

REMARKS _____

Drilled by St. Lambert

LOGGED BY J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
				FROM	TO	TOTAL				
0	13.8'	CASING							Au	Ag
13.8'	143.2'	ANDESITES Medium green coarse to fine grained essentially massive unit. Infrequent Q.C. veining. Possibly represents a number of fairly massive flows. Salient features noted below: 20.9 - 21.9 Q.C. vein 62.8 - 63.4 Q.C. vein. Brecciated with moderate to heavy blue grey-black hard mineral. Tourmaline?								
143.2'	149.8'	DIORITE DYKE Dark green ferromagnesian. phenocrysts in a grey, fine grained matrix. Fine grained margins - chilled. Q.C. bands in andesites at upper and lower margins.								
149.8'	181.5'	ANDESITES Similar in all respects to unit above Diorite. 149.9' - 152.1' Section with Q.C. veins and bands. 168' - 168.1' Q.C. vein 169.0' - 169.2' Q.C. vein 173.0' - 173.2' Q.C. vein 178.0' - 181.5' Section with Q.C. veining and banding. Minor brecciation Colour change to brown biotitic at 178.5'.	7257		177.5	179.5	2.0'		Tr	Nil
			7258		179.5	181.5	2.0'		Tr	Nil
181.5'	189.1'	CHERTY IRON FORMATION Banded grey-white chert with minor bands of magnetite, green chlorite, veins and bands of Po & Py, in v. minor amounts. Q.C. common throughout. Sections brecciated commonly containing minor to heavy accumulations of a dark grey crystalline mineral - note red streak - possibly Tennantite - Tetrahedrite. This mineral is well seen at 185.5' - 186.0'. Rare small garnets. Bands dip at approximately 50° CN.	7259		181.5	184	2.5'		.03	.15
			7260		184.0	186.0	2.0'		.05	Nil
			7261		186.0	188.0	2.0'		.06	.22
			7262		188.0	189.0	1.0'		Tr	Nil

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Redlake, Ontario
 HOLE NO. 83-26 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
189.1'	195.2'	<p>CHERTY BIOTITIC ANDESITES</p> <p>Brown biotitic fine grained unit with frequent Q.C. bands and veinlets and occasional inclusions of grey chert. Lower contact brecciated. Occasional Po & Py in veinlets.</p>	7263		189.0	191.0	2.0'			Au	Ag
			7264		191.0'	193.0'	2.0'			Tr	Nil
			7265		193.0	195.0	2.0'			Tr	.28
										Tr	.30
195.2	200.2	<p>CHERTY IRON FORMATION</p> <p>Similar to above unit with little or no brecciation. The dark grey ferromagnesian mineral noted above absent from this section. Rare garnets - seen at 199.2. Lower contact brecciated with heavy Po. Minor bands and veinlets of Py and Po throughout. Bands dip at 50°CN. V.G. at 196.3' in Q.C. 6x vein associated with Po. Au in thin micro veinlets and blebs.</p>	7266		195.0	197.0	2.0'			Av.6.41	Av.1.59
			7267		197.0	199.0	2.0'			Tr	Nil
			7268		199.0	200.2	1.2'			Tr	.22
200.2	310.7	<p>ANDESITES</p> <p>Unit commences with brown biotitic fine grained material with frequent Q.C. veinlets.</p> <p>201.4 - 201.9 CHERTY Q.C.</p> <p>206 - 206.1 CHERTY Q.C.</p> <p>206.1 - 218.7 (APPROX.) Biotitic andesite section with minor to moderate disseminated sulphides chiefly Po and Py with subordinate as Py.</p> <p>207.3 - 297.5 Somewhat silicified band</p> <p>208.1 - 208.4 Somewhat silicified band</p> <p>208.8 Silicified band</p> <p>210.0 Q.C. band</p> <p>212.9 - 213.7 (?) CHERTY Q.C. band</p> <p>215.0 Q.C. band</p> <p>215.7- 216.2 Q.C. band. Cherty aspect</p> <p>217.1 - 217.6 Cherty Q.C.</p> <p>218.0 Q.C. band</p> <p>Some of the structures seen through this section have a sedimentary appearance</p> <p>222.8 - 224.0 Chert unit. Minor 6x. Q.C. bands 55°CN. Section contains with minor Q.C. veins occasionally cherty looking.</p> <p>235.0 - 237.0 Greyish tinge to core - silicified, disseminated Po.</p> <p>257.4 - 257.9 Cherty Q.C. vein moderate AsPy</p> <p>259.2 - 259.4 Q.C. band - check for W. 55°CN</p> <p>260.7 - 260.9 This banded cherty material grey white. 45°CN</p>	7269		200.2	203.0	2.8'			.02	.06
			7270		206.0	208.0	2.0'			Tr	Nil
			7271		208.0	210.0	2.0'			Tr	Nil
			7272		210.0	212.0	2.0'			Tr	Nil
			7273		212.0	214.0	2.0'			Tr Nil	
			7274		214.0	216.0	2.0'			.04	Nil
			7275		216.0	218.8	2.8'			Tr	Nil
			7299		222.5	224.5	2.0'			Tr	Nil
			7300		234.0	236.0	2.0'			Tr	Nil
			7301		236.0	238.0	2.0'			Tr	Nil
			7276		257.2	258.2	1.0'			Tr	Nil
			7277		262.1	264.0	1.9'			Tr	Nil
			7278		300.9	302.8	1.9'			Tr	Nil
			7279		306.0	308.0	2.0'			Tr	Nil

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 83-26
 HOLE NO. _____ SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ / TON	OZ TON
					FROM	TO	TOTAL				
200.2	310.7	262.1 - 264.0 Blue grey Cherty Q.C. Minor Magnetite. Tr. Py,Po,AsPy, Ga Bands indistinct - dip at 60°CN. 280.9 - 283.9 "Lanprophyre" Dyke. Dark grey, very siliceous unit. 300.9 - 302.8 Grey white Quartz Carbonate vein showing some brecciation and some almost colloform textures. The carbonate component may be dolomitic since only low effervescence was noted. The weight of this section is noteworthy. Assay for BARIUM. 306.0-308.0 Silicified section. Minor Py disseminated. Lower contact of biotitic andesites brecciated.							Au	Ag	
310.7	320.3	QUARTZ FELDSPAR PORPHYRY Grey white unit. Py in blebs and veinlets. Upper and lower contacts brecciated with some Q.C.									
320.3	329.0	BIOTITIC ANDESITES Similar to unit above QFP Section above Diorite has sedimentary features such as "slumping" etc.	7280		326.9	329.9	3.0'		Tr	Nil	
329.9	333.6	DIORITE Dark green ferromagnesian phenocrysts in a grey white matrix - slightly calcareous. Upper margin fine grained - chilled, lower contact equigranular with remainder of sequence. Possibly a flow.									
333.6	335.8	BIOTITIC ANDESITES Similar to unit above diorite.	7281		333.6	335.8	2.2'		Tr	Nil	
335.8	347.2	CHERTY IRON FORMATION Grey white banded chert. Minor to moderate Py, Po in bands. Tr. AsPy. Minor brecciation. Bands 50° CN.	7282		335.8	338.0	2.2'		Tr	Nil	
			7283		338.0	340.0	2.0'		02	Nil	
			7284		340.0	342.0	2.0'		01	Nil	
			7285		342.0	344.0	2.0'		Tr	Nil	
			7286		344.0	346.0	2.0'		04	Nil	
			7287		346.0	347.2	1.2'		Tr	Nil	
347.2	448.6	BIOTITIC ANDESITES Similar to units above. 352.4 - 345.2 "Sandy" Poorly developed Cherty unit. Biotitic andesites continue Q.C. Veins, veinlets, and bands common. 365.0-365.7 Q.C. vein 376.6-377.5 Heavy Q.C.	7288		347.2	349.0	1.8'		04	Nil	
			7289		381.9	383.9	2.0'		01	Nil	
			7290		385.5	387.9	2.4'		01	Nil	

LANGRIDDGES - TORONTO - 366-1168

7' I.R.

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-26

SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
347.2	448.6	379.0 - 379.3 Q.C. vein 380.2 - 380.9 Q.C. vein 381.9-383.9 Q.C. vein - blue-grey cherty appearance to Quartz 386.5-387.9 Q.C. vein blue-grey cherty appearance, disseminated Py 390.7-392.3 Dark to medium grey sandy unit with subrounded feldspar ? porphyroblasts. Discrete blebs of Py. Somewhat banded appearance - flow banded Diorite? Dyke? 394.6-402.0 Cherty Quartz Carbonate Poorly developed chert zone with little definite banding. Unit brecciated throughout with Q.C. some sections with moderate Py. Poorly defined transitional contacts. Unit continues with heavy Q.C. in a brown biotitic matrix. Almost a con- glomeratic aspect with Q.C. blebs or clasts in biotitic andesite matrix. Green "talc" partings or schist planes begin to appear at approx. 418'. 425.0 Somewhat silicified zone commences 442.0 Colour change to green - green chlorite content increases with minor Q.C. veining. Localised Biotitic concentrations. Tr. Py. 148.0 - 148.6 Transitional contact to Talc Chlorite Schist	7291		394.6	396.0	1.4'			Au	Ag
			7292		396.0	398.0	2.0'			.04	Nil
			7293		398.0	400.0	2.0'			.04	Nil
			7294		400.0	402.0	2.0'			.02	Nil
			7302		402.0	404.0	2.0'			.08	Nil
			7295		442.0	444.0	2.0'			Tr	Nil
			7296		444.0	446.0	2.0'			Tr	.40
			7297		446.0	448.0	2.0			Tr	Nil
448.6	754.1	TALC CHLORITE SCHIST Banded grey-green talc chlorite and white quartz carbonate. Banding 35°C.N. 463.5-464.2 Dark green fine grained unit, lower margin chloritised dyke? Banding less pronounced through some sections but talc content high throughout. 508.5-516.1 ALTERED GABBROIC DYKE? Medium to dark green ferromagnesian phenocrysts in a lighter green fine grained matrix. Chloritised gabbro? 608.0-611.5 Heavy Q.C. - altered vein? 613.4-614.7 Fine grained dark grey green unit, chloritised margins dyke? 625.0-634.2 More massive grey unit with a less pronounced foliation when compared to the surrounding country rock. Relatively soft, therefore some talcose alteration has occurred. Upper contact sharp with some green chlorite. Transitional lower contact with bands of green chlorite, Q.C. and T.C.S. from 631.5-634.2. Quartz vein 629.1-629.3 Disseminated Py throughout. 637.0 Approx. Colour changes very gradually to grey with a greenish tinge. Units with discrete inclusions of Q.C. as distinct from bands become common. 654.8-655.1 Q.C. vein.	7298		448.0	450.0	2.0'			Tr	.30
			7466		512.0	514.0	2.0'			Tr	Nil
			7467		514.0	516.1	2.1'			Tr	Nil
			7468		516.1	518.0	1.9'			Tr	Nil
			7469		518.0	518.6	0.6'			Tr	Nil
			7471		518.6	520.0	1.4'			Tr	Nil
			7470		520.0	522.0	2.0'			Tr	Nil
			7472		748.2	750.0	1.8'			Tr	Nil
			7473		750.0	752.0	2.0'			Tr	Nil
			7474		752.0	754.0	2.0'			Tr	nil

1.8'C.R.

DIAMOND DRILL RECORD

 NAME OF PROPERTY McFinley, Red lake, Ontario

 HOLE NO. 83-26

 SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
448.6	754.1	664.2-665.0 Vuggy white dolomite (MgCaCo ₃) vein. 680.0-720.0 Unit with heavy Q.C. veinlets randomly oriented. 727.5-729.5 Fine grained grey talc 729.1-729.3 Brown biotite band. Quartzitic centre with minor Ga? veins of greenish chlorite? Band contact distinct but diffuse. Transitional over 1".								Au	Ag
754.1	817.2	ALTERED ANDESITES(?) Unit commences with a band of brown biotite to 754.3 then increasing green chlorite with subordinate Q.C. to 755.5 Essentially medium to fine grained chloritic rock thereafter occasional brown biotitic bands. 769.2-769.4 Q.C. band, diffuse contacts 771.8-802.0 Section with grey white Q.C. and subsidiary green-grey talc chlorite. 777.8-779.1 Moderate FUCHSITE in a grey white quartzitic ground mass Rare blue grey quartz veinlets. Tr. CPy. 781.3-782.4 Heavy Fuchsite. Blue grey quartzitic ground mass. Tr. CPy. 785.1-793.6 Heavy Fuchsite. Blue grey quartzitic ground mass. Tr. CPy. Occasional blue grey quartz veinlets. Tr. CPy. 802.0-817.2 "Altered" chloritic Andesites?	7475		754.0	756.0	2.0'			.22	.16
			7476		756.0	758.1	2.1'			Tr	Nil
			7303		777.8	780.0	2.2'			Tr	Nil
			7304		780.0	782.0	2.0'			Tr	Nil
			7305		782.0	784.0	2.0'			Tr	Nil
			7306		784.0	786.0	2.0'			Tr	.22
			7307		786.0	788.0	2.0'			Tr	Nil
			7308		788.0	790.0	2.0'			Tr	Nil
			7309		790.0	792.0	2.0'			Tr	.22
			7310		792.0	793.6	1.6'			Tr	Nil
817.2	933.0	TALC CHLORITE SCHIST Green-grey white talc chlorite schist. Common Q.C. in bands, inclusions and veinlets. Similar to unit above "Altered Andesite" zone. L.O.H. 933.0' CASING PULLED. HOLE CEMENTED.									

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontari

HOLE NO. 83-26

SHEET NO. 7

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ TON	OZ TON
					FROM	TO	TOTAL				
		<u>SLUDGE ASSAYS</u>									
		<u>Metres</u>	<u>Feet</u>	<u>Au</u>	<u>Ag</u>	con'd.					
						<u>Metres</u>	<u>Feet</u>	<u>Au</u>	<u>Ag</u>		
		6 - 9	20 - 30	Trace	.72	114 - 117	374 - 384	.07	Nil		
		9 - 12	30 - 39	Trace	.34	117 - 120	284 - 394	.04	Nil		
		12 - 15	39 - 49	Trace	.34	120 - 123	394 - 404	.08	Nil		
		15 - 18	49 - 59	Trace	.24	123 - 126	404 - 414	.03	Nil		
		18 - 21	59 - 69	Trace	.08	126 - 129	414 - 423	.05	Nil		
		21 - 24	69 - 79	Trace	Nil	129 - 132	423 - 433	.05	Nil		
		24 - 27	79 - 89	Trace	.18	132 - 135	433 - 443	.08	Nil		
		27 - 30	89 - 99	Trace	Nil	135 - 138	443 - 453	.12	Nil		
		30 - 33	99 - 108	Trace	Nil	138 - 141	453 - 463	.11	Nil		
		33 - 36	108 - 118	Trace	.10	141 - 144	463 - 473	.08	Nil		
		36 - 39	118 - 128	Trace	Nil	144 - 147	473 - 483	.02	Nil		
		39 - 42	128 - 138	Trace	Nil	147 - 150	483 - 492	.10	.24		
		42 - 45	138 - 148	Trace	Nil	150 - 153	492 - 502	.06	Nil		
		45 - 48	148 - 158	Trace	.14	153 - 156	502 - 512	.06	Nil		
		48 - 51	158 - 167	Trace	.10	156 - 159	512 - 522	.10	.26		
		51 - 54	167 - 177	Trace	.16	159 - 162	522 - 532	.05	Nil		
		54 - 57	177 - 187	.02	.16	162 - 165	532 - 542	.06	.36		
		57 - 60	187 - 197	.62	Nil	165 - 168	542 - 551	Trace	.12		
		60 - 63	197 - 207	.36	Nil	168 - 171	551 - 561	.01	Nil		
		63 - 66	207 - 217	Trace	Nil	171 - 174	561 - 571	.05	Nil		
		66 - 69	217 - 227	.24	.30	174 - 177	571 - 581	.05	.09		
		69 - 72	227 - 236	.32	.28	177 - 180	581 - 591	Trace	.20		
		72 - 75	336 - 246	.17	.07	180 - 183	591 - 601	.04	.84		
		75 - 78	246 - 256	.19	Nil	183 - 186	601 - 611	.03	.37		
		78 - 81	256 - 266	.14	Nil	186 - 189	611 - 620	Trace	Nil		
		81 - 84	266 - 276	.07	.09	189 - 192	620 - 630	.03	Nil		
		84 - 87	276 - 286	.08	Nil	192 - 195	630 - 640	Trace	.16		
		87 - 90	286 - 295	.13	.23	195 - 198	640 - 650	.01	.57		
		90 - 93	295 - 305	.08	Nil	198 - 201	650 - 659	Trace	Nil		
		93 - 96	305 - 315	.05	Nil	201 - 204	659 - 669	Trace	Nil		
		96 - 99	315 - 325	.10	Nil	204 - 207	669 - 679	.01	.22		
		99 - 102	325 - 335	.03	Nil	207 - 210	679 - 689	Trace	.54		
		102 - 105	335 - 345	.02	Nil	210 - 213	689 - 699	.01	Nil		
		105 - 108	345 - 355	.01	Nil	213 - 216	699 - 709	Trace	Nil		
		108 - 111	355 - 364	.06	Nil	216 - 219	709 - 719	Trace	Nil		
		111 - 114	364 - 374	.12	Nil						

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-26 SHEET NO. 8

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ TON	OZ TON
					FROM	TO	TOTAL				
		Sludge Assays continued									
		<u>Metres</u>	<u>Feet</u>	<u>Au</u>	<u>Ag</u>						
		219 - 222	719 - 728	.06	Nil						
		222 - 225	728 - 738	Trace	Nil						
		225 - 228	738 - 748	.04	Nil						
		228 - 231	748 - 758	.12	Nil						
		231 - 234	758 - 768	.02	Nil						
		234 - 237	768 - 778	.04	Nil						
		237 - 240	778 - 787	.01	Nil						
		240 - 243	787 - 797	.02	Nil						
		243 - 246	797 - 807	.01	Nil						
		246 - 249	807 - 817	Trace	Nil						
		249 - 252	817 - 827	.01	Nil						
		252 - 255	827 - 837	Trace	Nil						
		255 - 258	837 - 846	.01	Nil						
		258 - 261	846 - 856	.02	Nil						
		261 - 264	856 - 866	.01	Nil						
		264 - 267	866 - 876	Trace	Nil						
		267 - 270	876 - 886	Trace	Nil						
		270 - 273	886 - 896	.01	.31						
		273 - 276	896 - 906	.01	Nil						
		276 - 279	906 - 915	.01	.11						
		279 - 282	915 - 925	.02	Nil						
		282 - 285	925 - 935	Trace	Nil						

LANGRIDGES - TORONTO - 366-1188

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-27 LENGTH 403.7'
 LOCATION On "D" Zone, McFinley Peninsula
 LATITUDE 0 + 25N DEPARTURE 0 + 50W
 ELEVATION _____ AZIMUTH Grid East DIP -45°
 STARTED 15/06/1983 FINISHED 17/06/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
62.4'	43.5°				
403.7	40.0°				

HOLE NO. 83-27 SHEET NO. 1
 REMARKS _____
 Drilled by St. Lambert
 LOGGED BY J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
0	54.4	CASING										
54.4	74.7	ANDESITES Dark to medium green andesites. Variable grain size from medium to fine. Occasional brown somewhat biotitic bands. Rare Q.C. veining -occasionally brecciated. 73.0 approx. gradational change to brown biotitic Q.C. vein frequency increases within biotitic section. Base of section at first cherty Q.C. vein.	7311		73.0	74.7	1.7'			Tr	Ag	Nil
74.7	88.9	CHERT UNIT Grey white chert banded with minor magnetite at 75.2-75.5 Banded with brown biotitic andesite and minor Po and Py elsewhere. Brecciation and Q.C. veining common throughout. 78.6-80.4 "Birds eye" tuff? 80.4-81.0 Q.C. vein 81.2-82.3 -Andesitic "tuff"? band 84.0-86.3 "Birds eye" tuff band. Base of section set at last chert band at 88.9	7312		74.7	77.0	2.3'			Tr		.18
			7313		77.0	79.0	2.0'			Tr		Nil
			7314		79.0	81.0	2.0'			Tr		.22
			7315		81.0	83.0	2.0'			Tr		nil
			7316		83.0	85.0	2.0'			Tr		.40
			7217		85.0	87.0	2.0'			Tr		.16
			7318		87.0	89.0	2.0'			Tr		.12
88.9	93.5	BIOTITIC "TRANSITION" ZONE Bands and veins, veinlets of Q.C. on a biotitic host rock	7319		89.0	91.0	2.0'			Tr		Nil
			7320		91.0	93.5	2.5'			Tr		Nil
93.5	149.5	ANDESITE Similar to unit above chert. Somewhat sedimentary aspect to some sections. Infrequent Q.C. bands and veins. 139.0-139.6 Diorite										
149.5	152.1	DIORITE DYKE										
152.1	192.3	ANDESITES Similar to unit above										

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-27 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
152.1	192.3	185.8-186.4 Q.C. bands. 190.2 Colour change to brown biotitic with heavy Q.C. veining.	7321		190.0	192.3	2.3'			Au Tr	Ag .16
192.3	198.8	CHERTY IRON FORMATION Band grey white chert. Green chlorite bands occasionally garnetiferous. Short brecciated section. Minor Po, Py. Tr. AsPy. Bands 20°C.N.	7322 7323 7324		192.3 194.0 196.0	194.0 196.0 198.8	1.7' 2.0' 2.8'			.02 Tr Tr	.76 Nil Nil
198.8	266.0	BIOTITIC ANDESITES Brown fine grained unit with infrequent Q.C. veins. 200.8-201.5 Cherty Q.C. vein. 208.4-208.5 Q.C. band 209.1-209.2 Q.C. band. 210.7 Q.C. vein 211.3-212.2 Q.C. vein. Brecciated - check for Tungsten, Barium 212.7-213.3 Q.C. veinlet parallel to core axis 213.3-214.6 Q.C. vein brecciated, check for W and Ba. 216.6-219.0 Q.C. vein brecciated check for W and Ba. 220.2-223.7 Q.C. rich section. (note metasomatic absorption of andesite) 225.6-227.5 Q.C. vein, brecciated 228.3-228.5 Q.C. vein 234.6-236.3 Cherty Q.C. Banded 0-5°C.N. Minor Po and Py, brecciated Country rock brecciated through this section also. 240.0 approx. Gradual colour change to green grey, siliceous. 242.4-242.8 Q.C. vein 242.9-243.0 Cherty Q.C. band 243.2-243.6 Cherty Q.C. Band 248.6-249.1 Cherty Q.C. band 251.6-252.4 Banded Cherty Iron Formation. Bands 5-10°C.N.	7325 7326 7327 7328 7329 7330		198.8 201.0 234.6 242.0 248.0 251.6	201.0 203.0 236.3 244.0 249.1 252.6	2.2' 2.0' 1.7' 2.0' 1.1' 1.0'			Tr Tr .02 .01 Tr Tr	Nil Nil .16 Nil .20 .08
266.0	272.2	QUARTZ FELDSPAR PORPHYRY									
272.2	294.3	ANDESITES Unit commences with a brown biotitic section. 273.7-275.2 Cherty Iron Formation. Minor Py, Po. Bands 5°C.N. 275.6-276.1 Cherty Iron Formation. Minor Py, Po. Bands 5°C.N. Andesites become less brown biotitic after 276.1 286.6-287.9 Cherty Quartz Carbonate Unit. Minor Po, Py, AsPy. 287.9 Colour change to green	7331 7332		273.7 286.6	276.1 287.9	2.4' 1.3'			.04 .06	Nil .22

LANGRIDGES - TORONTO - 386-1188

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-27 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPH IDES	FOOTAGE		%	%	OZ. TON	OZ. TON
					FROM	TO					TOTAL
294.3	299.7	DIORITE DYKE. Chilled margins						Au	Ag	
299.7	312.0	ANDESITES Medium green fine grained unit. Rare Q.C. veining. 311.0 approx. Slight colour change to brown biotitic	7333		310.0	312.0	2.0'	Tr	.26	
312.0	317.8	CHERTY IRON FORMATION Banded grey white chert. Moderate magnetit minor Py, Po, AsPy. Occasional garnets on chlorite bands. Banding at 312.5 0-5°CN Banding at 317.0: 25°CN.	7334 7335 7336		312.0 314.0 316.0	314.0 316.0 317.8	2.0' 2.0' 1.8'	Tr .08 .03	.26 .20 .51	
317.8	366.3	ANDESITES Unit commences with fine grained brown biotitic 319.4-320.4 Cherty Q.C. Brecciated moderate Py, AsPy, Minor Po 320.4 Colour change to green grey-sedimentary aspect 325.0 approx. Colour change to brown biotitic 328.4-328.6 Cherty Q.C. vein brecciated 330.0-330.9 Brown biotitic andesite section with occasional diffuse Q.C. "bands" containing heavy Py, Moderate Sp, and minor AsPy 331.6-331.8 Cherty Q.C. vein, Heavy AsPy, moderate Py, Sp, Minor Po 332.7-333.4 Cherty Q.C. vein, Moderate AsPy, Sp, very minor Py. 333.7 Colour change to green. Occasional short brown biotitic sections occur after this point. Sedimentary appearance to some section. 341.3-345.5 Brown biotitic section with occasional Q.C. bands 342.8 Q.C. band moderate Py. 343.4 Q.C. band. Moderate Py, minor Py. Tr. Sp 343.6 Band of heavy Py 349.8 Diffuse Q.C. band with moderate Sp 352.1 Q.C. band minor Po, Py. 354.0 Q.C. band 355.0-356.0 Q.C. breccia Occasional brecciated Q.C. veins thereafter	7337 7338 7339 7340 7341 7342 7426 7343		317.8 319.4 320.4 320.4 327.0 329.0 329.0 331.0 334.0 342.6	319.4 320.4 322.0 329.0 331.0 334.0 344.6	1.6' 1.0' 1.6' 2.0' 2.0' 3.0' 2.0' 2.0'	.02 .09 .01 Tr .04 .04 Tr Tr	.30 .53 .17 .12 .76 .14 .14 .16	
366.3	372.2	DIORITE DYKE. Chilled margins.								
372.2	403.7	ANDESITES Similar to unit above. Chloritised bands siliceous after 374.0' Short biotitic sections. Occasional Q.C. bands, veins. 403.7 E.O.H. CASING PULLED. HOLE CEMENTED.								

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-27 SHEET NO. 3A EXTRA ASSAYS

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE		%	%	OZ. TON	OZ. TON	
					FROM	TO					TOTAL
		Previous assay number									
		7335	7420		314.0	316.0	2.0'			Au	Ag
		7336	7421		316.0	317.8	1.8'			.03	Nil
		7337	7422		317.8	319.4	1.6'			Tr	.36
		7338	7423		319.4	320.4	1.0'			Tr	Nil
		7341	7424		329.0	331.0	2.0'			.06	.18
		7342	7425		331.0	334.0	3.0'			.94	.92
										.03	Nil

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley - Red Lake, Ontario

HOLE NO. 83-27 Extra Assays SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH IDES	FOOTAGE		%	%	Au Ag		
					FROM	TO			TOTAL	OZ/TON	OZ/TON
			7789		152	154	2.0'			Tr	Nil
			7790		154	156	2.0'			Tr	Nil
			7791		156	158	2.0'			Tr	.56
			7792		158	160	2.0'			Tr	1.60
			7793		160	162	2.0'			Tr	Nil
			7794		162	164	2.0'			Tr	Nil
			7795		164	166	2.0'			Tr	.56
			7796		166	168	2.0'			Tr	1.18
			7797		168	170	2.0'			Tr	Nil
			7798		170	172	2.0'			Tr	Nil
			7799		172	174	2.0'			Tr	Nil
			7800		174	176	2.0'			Tr	Nil
			7819		176	178	2.0'			Tr	Nil
			7820		178	180	2.0'			Tr	Nil
			7821		180	182	2.0'			.01	Nil
			7822		182	184	2.0'			Tr	Nil
			7823		184	186	2.0'			Tr	Nil
			7824		186	188	2.0'			Tr	Nil
			7825		188	190	2.0'			Tr	Nil
			7826		236.3	238	1.7'			Tr	Nil
			7827		238	240	2.0'			Tr	Nil
			7828		240	242	2.0'			Tr	Nil
			7829		244	246	2.0'			Tr	Nil
			7830		246	248	2.0'			Tr	Nil
			7831		249.1	251.6	2.5'			Tr	Nil
			7832		252.6	255.0	2.4'			Tr	Nil
			7833		255	257	2.0'			Tr	Nil

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley Red Lake, Ontario

HOLE NO. 83-27 Extra Assays SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPH IDES	FOOTAGE			%	%	ASSAYS	Ag
					FROM	TO	TOTAL			Au	OZ/TON	OZ/TON
			7834		257	259	2.0'			Tr	.60
			7835		259	261	2.0'			Tr	Nil
			7836		261	263	2.0'			Tr	Nil
			7837		263	265	2.0'			Tr	Nil
			7838		265	266	1.0'			Tr	Nil
			7839		272.2	273.7	1.5'			Tr	Nil
			7840		276.1	278.0	1.9'			Tr	Nil
			7841		278	280	2.0'			Tr	Nil
			7842		280	282	2.0'			Tr	Nil
			7843		282	284	2.0'			Tr	Nil
			7844		284	286.6	2.6'			Tr	Nil
			7845		287.9	290.0	2.1'			Tr	Nil
			7846		290	292	2.0'			Tr	1.16
			7847		292	294	2.0'			Tr	.52
			7848		294	296	2.0			Tr	Nil
			7849		296	298	2.0'			Tr	Nil
			7850		298	300	2.0'			Tr	Nil
			7851		300	302	2.0'			Tr	Nil
			7852		302	304	2.0'			Tr	Nil
			7853		304	306	2.0'			Tr	Nil
			7854		306	308	2.0'			Tr	Nil
			7855		308	310	2.0'			Tr	.78
			7856		322	324	2.0'			Tr	Nil
			7857		324	327	3.0'			Tr	.62
			7858		336	338	2.0'			Tr	Nil
			7859		338	340	2.0'			Tr	Nil
			7860		340	342	2.0'			Tr	Nil

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley - Red Lake, Ontario

HOLE NO. 63-27 Extra Assays SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	Au	Ag
					FROM	TO	TOTAL			OZ./TON	OZ./TON
			7861		334	336	2.0'			.01	Nil
			7862		344.6	346.0	1.4'			Tr	Nil
			7863		346	348	2.0'			Tr	Nil
			7864		348	350	2.0'			Tr	Nil
			7865		350	352	2.0'			Tr	Nil
			7866		352	354	2.0'			Tr	Nil
			7867		354	356	2.0'			Tr	Nil
			7868		356	358	2.0'			Tr	Nil
			7869		358	360	2.0'			Tr	Nil
			7870		360	362	2.0'			Tr	Nil
			7871		362	364	2.0			Tr	Nil
			7872		364	366.3	2.3'			Tr	Nil
			7873		372.2	374.0	1.8'			Tr	Nil
			7874		374	376	2.0'			Tr	Nil
			7875		376	378	2.0'			Tr	Nil
			7876		378	380	2.0'			.03	Nil
			7877		380	382	2.0'			.01	Nil
			7878		382	384	2.0'			.01	Nil
			7879		384	386	2.0'			Tr	Nil
			7880		386	388	2.0'			.02	1.44
			7881		388	390	2.0'			.02	Nil
			7882		390	392	2.0'			.04	1.16
			7883		392	394	2.0'			.01	.78
			7884		394	396	2.0'			.03	1.78
			7885		396	398	2.0'			.02	1.58
			7886		398	400	2.0'			Tr	1.80
			7887		400	402	2.0'			.02	1.02

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-27 SHEET NO. 8

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ TON	OZ TON
				FROM	TO	TOTAL					
		<u>SLUDGE ASSAYS</u>									
		<u>Metres</u>	<u>Feet</u>	<u>Au</u>	<u>Ag</u>						
		18 - 21	59 - 69	Trace	.64						
		21 - 24	69 - 79	Trace	.24						
		24 - 27	79 - 89	Trace	.66						
		27 - 30	89 - 99	Trace	.54						
		30 - 33	99 - 108	Trace	1.20						
		33 - 36	108 - 118	Trace	.66						
		36 - 39	118 - 128	Trace	.36						
		39 - 42	128 - 138	Trace	.48						
		42 - 45	138 - 148	Trace	.40						
		45 - 48	148 - 158	Trace	.14						
		48 - 51	158 - 167	Trace	.76						
		51 - 54	167 - 177	Trace	.18						
		54 - 57	177 - 187	Trace	Nil						
		57 - 60	187 - 197	Trace	.44						
		60 - 63	197 - 207	Trace	Nil						
		63 - 66	207 - 217	Trace	Nil						
		66 - 69	217 - 227	.01	Nil						
		69 - 72	227 - 236	Trace	.22						
		72 - 75	236 - 246	Trace	Nil						
		75 - 78	246 - 556	Trace	.14						
		78 - 81	256 - 266	Trace	Nil						
		81 - 84	266 - 276	Trace	Nil						
		84 - 87	276 - 286	Trace	Nil						
		87 - 90	286 - 295	Trace	.26						
		90 - 93	295 - 305	Trace	.26						
		93 - 96	305 - 315	Trace	.34						
		96 - 99	315 - 325	.05	.49						
		99 - 102	325 - 335	.06	Nil						
		102 - 105	335 - 345	.05	Nil						
		105 - 108	345 - 355	.03	Nil						
		108 - 111	355 - 364	Trace	.26						
		111 - 114	364 - 374	Trace	.18						
		114 - 117	374 - 384	.06	Nil						
		117 - 120	384 - 394	Trace	Nil						
		120 - 123	394 - 404	Trace	.06						

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-28 LENGTH 278.9 feet
 LOCATION McFinley Peninsula
 LATITUDE 0 + 25N DEPARTURE 1 + 30 E
 ELEVATION _____ AZIMUTH Grid East DIP -45°
 STARTED 17/06/1983 FINISHED 19/06/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
39.4'	44.5°				
279.0	43.5°				

HOLE NO. 83-28 SHEET NO. 1

REMARKS _____

Drilled by St. Lambert

LOGGED BY J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
0	25	CASING										
25	105.0	ANDESITES										
		Medium green fine to medium grained unit with frequent Quartz Carbonate bands and veins.	7344		32.6	33.9	1.3'			.08	.22	
		27.5 Q.C. band	7428		32.6	33.9	1.3'			.07	Nil	(Check, other 1/2 of core)
		28.0-28.1 Q.C. band	7345		38.2	40.1	1.9'			Tr	.22	
		28.7-29.5 Q.C. bands minor Py, Sp, and Ga	7346		40.1	42.0	1.9'			.01	Nil	
		29.7 3/8 " Q.C. band moderate Py, Sp, and Ba	7347		42.0	44.0	2.0'			Tr	nil	
		30.6 Q.C. band	7348		44.0	46.0	2.0			Tr	Nil	
		31.0-31.2 Q.C. band	7349		52.5	54.5	2.0'			.01	Nil	
		32.4-32.5 Q.C. band	7350		71.8	74.5	2.7'			Tr	Nil	
		32.6-33.9 Cherty Quartz Carbonate Band. contorted banding. Heavy Py, minor Po, Tr CPy.	7351		76.5	78.5	2.0'			.03	.11	
		33.9 Colour change to brown biotitic. Frequent narrow randomly oriented Q.C. veinlets.	7352		87.0	90.0	3.0'			Tr	.06	
		35.9 Q.C. band moderate Ga										
		36.0 Q.C. band. moderate Po.										
		36.1-36.2 Q.C. band										
		38.2-38.9 Q.C. vein or band										
		38.9-40.1 Cherty Iron Formation. Bands 20°CN. Minor garnetiferous chlorite bands.										
		40.7-41.5 Cherty Iron Formation. Bands 15°CN.										
		42.0-43.2 Q.C. vein or band.										
		45.6-45.9 Cherty Iron Formation. Bands 20°CN.										
		46.6 Q.C. vein.										
		52.9 Q.C. vein										
		53.5-54.0 Cherty Q.C. vien moderate Po minor Py, AsPy.										
		72.0-74.5 Brecciated section with interstices filled with cherty Q.C.										
		76.9-77.3 Cherty Q.C. minor Magnetite tr AsPy										
		78.0-78.3 Cherty Q.C. minor Magnetite tr AsPy										
		78.6-79.6 Breccia zone with Q.C.										
		81.4-81.6 Q.C. vein										

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

 NAME OF PROPERTY McFinley, Red Lake, Ontario

 HOLE NO. 83-28

 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ / TON	OZ TON
					FROM	TO	TOTAL				
25	105	82.3-82.5 Q.C. vein. 87.0-87.3 Cherty Q.C. vein 88.8-89.7 Cherty Q.C. vein								Au	Ag
105.0	115.4	QUARTZ FELDSPAR PORPHYRY Medium grey white massive unit with rare Py in fractures. 105.0-105.1 Cherty Iron Formation. Bands 0-5°CN. 115.0-115.4 Cherty Iron Formation. Bands 5°CN. The presence of Iron formation at the Q.F.P. contacts with apparent concordance between the two units may indicate that the Q.F.P. represents an acid flow.									
115.4	126.4	ANDESITES Green fine to medium grained massive unit. Occasional Q.C. veins 123.4 Colour change to brown biotitic.									
126.4	131.0	DIORITE DYKE Crosscutting at high angle to core axis. Chilled margins.									
131.0	144.4	ANDESITES Unit commences as a fine grained brown biotitic rock with occasional Q.C.V. 131.9-132.5 Q.C. V. 133.3-134.0 Q.C.V.	7353 7354		131.5 142.5	134.0 144.4	2.5' 1.9'			Tr Tr	nil nil
144.4	147.0	CHERTY IRON FORMATION Grey white banded chert with minor magnetite. Short brecciated sections Tr Py, Po. Minor chlorite and Q.C. in bands. Bands dip at 15°CN.	7355		144.4	147.0	2.6'			.02	Nil
147.0	167.3	ANDESITES Unit commences with a brown biotitic fine grained rock Occasional Q.C.V. 150.0-151.6 Lamprophyre? dyke? 157.5-157.7 Q.C.V. 162.6-163.0 Bands of Q.C.--cherty aspect, heavy Py and moderate AsPy at 162.7 Moderate Py at 163.0. 165.6-165.8 Q.C.V. 165.9-166.2 Q.C.V. Sharp basal contact.	7356 7357 7358		147.0 162.4 165.0	149.0 165.0 167.3	2.0' 2.6' 2.3'			Tr .03 Tr	Nil Nil Nil

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

 NAME OF PROPERTY McFinley, Red Lake, Ontario

 HOLE NO. 83-28

 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ./TON	OZ. TON
					FROM	TO	TOTAL				
167.3	172.2	CHERTY IRON FORMATION Banded grey white chert. Minor magnetite and chlorite. Very minor Py and Po chiefly in bands. Short brecciated sections. Bands dip at 15°CN. Specks of V.G. at 171.3 associated with a cherty Q.C. vein in brecciated section.	7359		167.3	170.0	2.7'			Au	Ag
			7360		170.0	172.2	2.2'			.02	Nil
			7361		172.2	175.0	2.8'			Av..74	Av..71
			7362		175.0	177.2	2.2'			Tr	.16
172.2	229.1	ANDESITES Unit commences with fine grained brown biotitic rock 173.4-174.1 Cherty Q.C. band. heavy to massive Sp and Po with minor Py and AsPy at 173.6-173.7 174.0 Veinlet of Sp Thin Q.C. bands common through the upper part of section 176.4-177.2 Q.C. band (sinter unit?) Heavy AsPy at 176.8 and 177.1-177.2 with heavy Sp. 182.6 Q.C. band moderate Py. Minor Sp and AsPy. 185.0 Colour change to green. Occasional brown biotitic sections thereafter. 191.0-193.5 Q.F.P. upper contact brecciated. Lower contact sharp. Andesites begin to take on a sedimentary aspect for the rest of the drill hole. Some sections appear silicified. 210.3-210.6 Diorite dyke? Q.C. banding and veining occurs frequently throughout the lower part of section.									
			7361		172.2	175.0	2.8'			Tr	.16
			7362		175.0	177.2	2.2'			.03	Nil
			7363		177.2	179.0	1.8'			Tr	Nil
229.1	234.8	DIORITE DYKE Chilled margins.									
234.8	278.9	ANDESITES Similar to above Andesitic section. Sedimentary aspect to much of this section. 245.2-245.6 Q.C.V. 249.8-250.3 Q.C.V. 251.5-253.0 Q.C. bands. 278.9 E.O.H. CASING PULLED AND HOLE CEMENTED.									

V.G.

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley - Red Lake, Ontario
 HOLE NO. 83-28 Extra Assays SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH IDES	FOOTAGE			%	%	Au Ag	
					FROM	TO	TOTAL			OZ./TON	OZ./TON
			7889		54.5	56.0	1.5'			Tr	Nil
			7890		56	58	2.0'			Tr	1.18
			7891		58	60	2.0'			.02	.70
			7892		60	62	2.0'			.02	.46
			7893		62	64	2.0'			.01	2.02
			7894		64	66	2.0'			Tr	.92
			7895		66	68	2.0'			Tr	1.44
			7896		68	70	2.0'			Tr	Nil
			7897		70	71.8	1.8'			Tr	.54
			7898		74.5	76.5	2.0			Tr	1.30
			7899		78.5	80.0	1.5'			Tr	1.48
			7900		80	82	2.0'			Tr	1.38
			7901		82	84	2.0'			Tr	Nil
			7902		84	86	2.0'			.02	1.68
			7903		86	87	1.0'			Tr	.98
			7904		90	92	2.0'			.01	1.14
			7905		92	94	2.0'			.01	Nil
			7906		94	96	2.0'			.01	5.36
			7907		96	98	2.0'			Tr	.86
			7908		98	100	2.0'			.02	Nil
			7909		100	102	2.0'			Tr	Nil
			7910		102	104	2.0'			Tr	Nil
			7911		104	105	1.0'			Tr	Nil
			7912		115.4	117	1.6'			Tr	Nil
			7913		117	119	2.0'			Tr	Nil
			7914		119	121	2.0'			Tr	.98
			7915		121	123	2.0'			Tr	Nil

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley - Red Lake, Ontario

HOLE NO. 83-28 Extra Assays

SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS							
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Au Ag				
					FROM	TO			TOTAL	oz. ton	oz. ton		
			7916		123	125	2.0'			Tr	.80		
			7917		125.0	126.4	1.4'			Tr	.64		
			7918		131	133	2.0'			.01	Nil		
			7919		133	135	2.0'			.01	Nil		
			7922		167.3	170.0	2.7'			.01	Nil		
			7923		170.0	172.2	2.2'			.22	Nil		
			7924		172.2	175.0	2.8'			.05	Nil		
			7925		175	177	2.0'			.01	Nil		
			7926		177	179	2.0'			Tr	Nil		
			7927		138	140	2.0'			Tr	Nil		
			7928		1.40	142.5	2.5'			Tr	.80		
			7929		179	181	2.0'			Tr	1.16		
			7930		182	184	2.0'			.01	Nil		
			7931		184	186	2.0'			Tr	.38		
			7932		186	188	2.0'			.02	.52		
			7933		188	190	2.0'			.01	Nil		
			7934		190	191	1.0'			Tr	Nil		
		<u>Mineralized Zones</u>											
					oz/t								
			<u>From</u>	<u>To</u>	<u>Total</u>	<u>Au</u>	<u>Ag</u>						
			32.6	33.9	1.3'	0.08	0.22						
			56.0	98.0	42.0	0.01	1.02						
			(62.0	68.0	6.0'	Tr	1.46						
			(78.5	82.0	3.5'	Tr	1.43						
			(94.0	98.0	4.0'	0.01	3.11						
			172.2	167.3	4.9'	0.343	0.32						

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83 - 28 SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
		<u>SLUDGE ASSAYS</u>									
		<u>Metres</u> <u>Feet</u>	<u>Au</u>	<u>Ag</u>							
		6 - 9 20 - 30	Trace	Nil							
		9 - 12 30 - 39	Insufficient	sample							
		12 - 15 39 - 49	"	"							
		15 - 18 49 - 59	"	"							
		18 - 21 59 - 69	"	"							
		21 - 24 69 - 79	"	"							
		24 - 27 79 - 89	Trace	.20							
		27 - 30 89 - 99	Trace	.12							
		30 - 33 99 - 108	Trace	.20							
		33 - 36 108 - 118	.01	.35							
		36 - 39 118 - 128	.01	.05							
		39 - 42 128 - 138	Trace	.44							
		42 - 45 138 - 148	.03	.21							
		45 - 48 148 - 158	.01	.15							
		48 - 51 158 - 167	.01	.11							
		51 - 54 167 - 177	.11	.63							
		54 - 57 177 - 187	Insufficient	sample							
		57 - 60 187 - 197	.03	Nil							
		60 - 63 197 - 207	.04	.20							
		63 - 66 207 - 217	.05	.23							
		66 - 69 217 - 227	.04	.14							
		69 - 72 227 - 236	.01	Nil							
		72 - 75 236 - 246	.09	.31							
		75 - 78 246 - 256	.07	.15							
		78 - 81 256 - 266	.10	.24							
		81 - 84 266 - 276	.03	.17							

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-29 LENGTH 196.9 feet
 LOCATION McFinley Peninsula
 LATITUDE L0 + 30S DEPARTURE L + 60 E
 ELEVATION _____ AZIMUTH Grid East DIP -45°
 STARTED 19/06/1983 FINISHED 21/06/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
29.5	43°				
187.1	42.5°				

HOLE NO. 83-29 SHEET NO. 1

REMARKS _____

Drilled by St. Lambert

LOGGED BY J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON		
					FROM	TO	TOTAL						
0	21.5	CASING											
21.5	76.8	ANDESITES Grey-green medium to coarse grained unit. Foliated and somewhat altered in appearance. Possibly sediments. Occasional Q.C.V. 36.0 Colour change to brown biotitic 45.8-46.7 Cherty Iron Formation. Bands 15°CN. Minor chlorite with garnets. Minor Py, Po. 50.4-51.0 Cherty Q.C.V. 59.0-60.7 Cherty Iron Formation. Heavy green chlorite with garnets in bands. Minor Py, Po, and Tr AsPy. 61.0 approx. Colour change to grey green 76.0 Colour change to brown biotitic	7364		45.8	46.7	0.9'			.02	Nil		
			7365		50.0	51.0	1.0'			Tr	Nil		
			7366		59.0	60.7	1.7'			.01	Nil		
76.8	88.1	Q.F.P. Sharp upper contact. 82.4-84.2 Brown biotitic andesite.											
88.1	116.5	ANDESITES Medium green fine grained unit. 89.4-89.8 Cherty Q.C. Banded with minor Py, Po, and CPy. 96.6-98.1 Cherty Iron Formation. Bands 15°CN. Minor Py, Po 104.5-106.5 Cherty Iron Formation. Bands 10°CN. 106.5 Colour change to brown biotitic. 112.0-113.6 LAMPROPHYRE? dyke 114.2-115.8 Q.C. veins or bands Transitional and somewhat chloritised basal contact.	7367		89.0	90.0	1.0'			.04	Nil		
			7368		96.6	98.1	1.5'			.02	Nil		
			7369		104.5	106.5	2.0'			.04	Nil		
			7370		114.0	116.5	2.5'			Tr	Nil		
116.5	123.9	CHERTY IRON FORMATION Banded grey white chert, minor magnetite. Trace Py and Po - chiefly in veinlets and thin bands. Short brecciated sections. Rare green	7371		116.5	118.0	1.5'			.03	Nil		
			7372		118.0	120.0	2.0'						

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

 NAME OF PROPERTY McFinley, Red Lake, Ontario

 HOLE NO. 83-29

 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPH. IDES	FOOTAGE		%	%	OZ. TON	OZ. TON	
					FROM	TO					TOTAL
116.5	123.9	chlorite bands. Sharp basal contact on diorite. Bands dip at 15°CN.	7373		120.0	122.0	2.0'			Au	Ag
			7374		122.0	123.9	1.9'			.04	.12
										.02	Nil
123.9	128.8	DIORITE DYKE. Chilled margins.	7375		123.9	125.0	1.1'			Tr	.26
128.8	196.9	ANDESITES Unit commences with a fine grained brown biotitic massive rock.	7376		128.8	131.0	2.2'			Tr	.08
		133.0 Colour change to green.	7377		146.0	147.6	1.6'			Tr	.24
		146.5 Colour change to brown (carbonate?)	7378		147.6	148.8	1.2'			.10	1.02
		147.2 Q.C. vein minor Sp, Ga, Po, Py.	7379		148.8	151.0	2.2'			Tr	.20
		147.6-148.8 Cherty Iron Formation.	7380		151.0	152.5	1.5'			Tr	.22
		Banded Py, moderate AsPy, minor Sp, Tr.Ga. Bands dip at 15°CN.	7381		152.5	154.5	2.0'			.10	1.38
		Transitional contacts.	7382		154.5	155.7	1.2'			Tr	.60
		155.7-156.5 Cherty Q.C. Heavy magnetite, AsPy. Minor Py, Po.	7383		155.7	156.7	1.0'			.05	Nil
		158.4-158.8 Q.C. vein. Moderate AsPy, Sp, Py, Ga, minor Po.	7384		156.7	159.0	2.3'			Tr	1.20
		169.0 Colour change to green.	7385		159.0	161.0	2.0'			Tr	.26
		170.5 Colour change to brown biotitic									
		171.1-172.7 Q.F.P. dyke?									
		173.1-173.2 Q.F.P. Dyke?									
		175.0 Colour change to green.									
		184.0-189.0 Section with Q.C. veining. Carbonate rusty, showing signs of weathering - open water channel?									
		196.9 E.O.H. CASING PULLED. HOLE CEMENTED.									
		<u>Extra Assays</u>									
		Previous Assay Number:									
		7381	7429		152.5	154.5	2.0'			.14	1.08
		7382	7430		154.5	155.7	1.2'			.03	.21
		7383	7431		155.7	156.7	1.0'			.05	.07
		7384	7432		156.7	159.0	2.3'			.01	.69

LANGRIGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley - Red Lake, Ontario

HOLE NO. 83-29 Extra Assays SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Au		Ag	
					FROM	TO	TOTAL	%	%	OZ./TON	OZ./TON
			8038		89	90	1.0'			Tr	.62
			8039		96.6	98.1	1.5'			Tr	.40
			8040		104.5	106.5	2.0'			Tr	Nil
			8041		114.0	116.5	2.5'			Tr	Nil
			8042		116.5	118.0	1.5'			.01	.48
			8043		118	120	2.0'			Tr	.60
			8044		120	122	2.0'			Tr	1.12
			8045		122	125	3.0'			Tr	Nil
			8046		128.9	131.0	2.2'			.01	Nil
			8047		146.0	147.6	1.6'			.01	1.24
			8048		147.6	148.8	1.2'			.01	.40
			8049		148.8	151.0	2.2'			Tr	Nil
			8050		151.0	152.5	1.5'			Tr	Nil
			8051		159	161	2.0'			Tr	Nil
			8052		90	92	2.0'			Tr	Nil
			8053		92	94	2.0'			Tr	Nil
			8054		94	96.6	2.6'			Tr	.46
			8055		98.1	100.0	1.9'			Tr	Nil
			8056		100	102	2.0'			Tr	Nil
			8057		102.0	104.5	2.5'			Tr	Nil
			8058		106.5	108	1.5'			Tr	.56
			8059		108	110	2.0'			Tr	Nil
			8060		110	112	2.0'			.01	Nil
			8061		112	114	2.0'			Tr	Nil
			8062		131	133	2.0'			Tr	Nil
			8063		133	135	2.0'			Tr	.70
			8064		135	137	2.0'			Tr	Nil

LANGRIDGES - TORONTO - 368-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley - Red Lake, Ontario

HOLE NO. 83-29 Extra Assays SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS							
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Au Ag				
					FROM	TO			TOTAL	OZ./TON	OZ./TON		
			8065		137	139	2.0'			Tr	.52		
			8066		139	141	2.0'			Tr	Nil		
			8067		141	143	2.0'			Tr	Nil		
		N.B.3' cut due to marker error	8068		143	146	3.0'			Tr	Nil		
			8069		161	163	2.0'			Tr	Nil		
			8070		163	165	2.0			Tr	Nil		
			8071		165	167	2.0'			Tr	Nil		
			8072		167	169	2.0'			Tr	Nil		
			8073		169	171	2.0'			Tr	.53		
			8074		171	173	2.0'			Tr	Nil		
			8075		173	175	2.0'			Tr	Nil		
			8076		175	177	2.0'			Tr	Nil		
			8077		177	179	2.0'			Tr	Nil		
			8078		179	181	2.0'			Tr	Nil		
			8079		181	183	2.0'			Tr	Nil		
			8080		183	185	2.0'			Tr	Nil		
			8081		185	187	2.0'			Tr	Nil		
			8082		187	189	2.0'			Tr	Nil		
			8083		189	191	2.0'			Tr	.84		
			8084		191	193	2.0'			Tr	Nil		
			8085		193	195	2.0'			Tr	1.10		
			8086		195	196.9	1.9'			Tr	Nil		
		<u>Mineralized Zones</u>											
					<u>oz/t</u>								
			<u>From</u>	<u>To</u>	<u>Total</u>	<u>Au</u>	<u>Ag</u>						
			116.5	122.0	5.5'	0.04	0.04						
			147.6	159.0	11.4'	0.041	0.57						

LANGRIDGES - TORONTO - 368-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-29 SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ TON	OZ TON
					FROM	TO	TOTAL				
		<u>SLUDGE ASSAYS</u>									
		<u>Metres</u>	<u>Feet</u>	<u>Au.</u>	<u>Ag.</u>						
		6 - 9	20 - 30	.12	.32						
		9 - 12	30 - 39	.05	.13						
		12 - 15	39 - 49	.03	Nil						
		15 - 18	49 - 59	.03	.29						
		18 - 21	59 - 69	Trace	.06						
		21 - 24	69 - 79	Trace	Nil						
		24 - 27	79 - 89	Trace	.22						
		27 - 30	89 - 99	Trace	.26						
		30 - 33	99 - 108	.01	Nil						
		33 - 36	108 - 118	Trace	.10						
		36 - 39	118 - 128	.04	Nil						
		39 - 42	128 - 138	Trace	Nil						
		42 - 45	138 - 148	.02	Nil						
		45 - 48	148 - 158	.13	.81						
		48 - 51	158 - 167	.09	.41						
		51 - 54	167 - 177	.08	.38						
		54 - 57	177 - 187	.03	.35						
		57 - 60	187 - 197	.02	.24						

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-30 LENGTH 1207.7'
 LOCATION McFinley Peninsula
 LATITUDE 0 + 75N DEPARTURE 0 + 70 W
 ELEVATION _____ AZIMUTH Grid East DIP -50°
 STARTED 21/06/1983 FINISHED 29/06/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
68.9'	50.5°				
590.8'	42.5°				
1152.0'	42.0°				

HOLE NO. 83-30 SHEET NO. 1

REMARKS _____

Drilled by St. Lambert
 LOGGED BY J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON		
					FROM	TO	TOTAL						
0	59.9	CASING											
59.9	112.3	ANDESITES Medium to pale green fine grained with a high proportion of talc and chlorite. Schistose where broken. could be classified as a talc chlorite schist but is not similar to the main band in East Bay. 62.8-64.5 Diorite Dyke. Slight chilling on margins. 72.3-76.8 Diorite Dyke. Slight chilling on margins. 98.0 approx. Gradually diminishing talc chlorite alteration. Foliation outlined by long axes orientation of Biotite? crystals development 105.4-105.6 Q.C. vein brecciated. 110.6-111.3 Chert Unit. Interbanded grey white chert and green chlorite Bands 25°CN.	7386		110.0	112.3	2.3'			Tr	Ag		
112.3	121.0	CHERT FORMATION Grey white chert with interbanded green chlorite, biotitic andesite and minor Py, Po. Bands generally 30°CN. Sections brecciated. 116.1-119.0 (approx.) Interbanded brown biotitic andesite (tuff?) and Q.C. - Similarities with "Bird's eye" tuff zone noted in other drillholes. Base of section brecciated and difficult to fix with exactitude. Lost chert at approximately 121.0. Possible FUCHSITE development along veinlets at 119.5.	7387 7388 7389 7390 7391 7392 7393 7394		112.3 114.0 116.0 118.0 121.0 123.0 125.0 127.0 129.0	114.0 116.0 118.0 121.0 123.0 125.0 127.0 129.0	1.7' 2.0' 2.0' 3.0' 2.0' 2.0' 2.0' 2.0'			Tr .01 Tr Tr Tr Tr Tr Tr	Nil Nil .38 .44 .14 Nil Nil .10		
121.0	274.0	ANDESITES Unclear top contact due to Q.C. brecciation and badly broken core. Brown biotitic to 128.0 approx. Brecciation dies out at 128.5'. 124.5-127.5 approx. Banded somewhat silicious unit with minor Py, Po. and Tr. Sp and Ga in bands. Possibly a poorly developed chert.	7395 7376 7397 7407		202.7 205.0 210.4 242.0	205.0 207.4 211.2 244.3	2.3' 2.4' 0.8' 2.3'			Tr Tr .04 Tr	.34 Nil .14 Nil		

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-30

SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ. TON	OZ. TON
					FROM	TO					TOTAL
121.0	274.0	Bands at 25°CN. 133.4-133.6 Q.C. band brecciated Section through this area has somewhat sedimentary appearance in places. 137.4-138.0 Q.C. band - brecciated. 138.5-139.5 Q.C. band - brecciated. Note moderate amounts of black mineral. (Tourmaline?) Massive green andesites continue with occasional Q.C. bands and veins to 168.5 where a foliation gradually develops together with a sedimentary appearance. 182.6-183.0 Q.C. vein. 183.4-184.1 Q.C. vein. 184.5 approx. Return to more massive green andesites. 197.5 Foliated andesites. 202.7-207.4 Cherty Iron Formation. Grey white chert interbanded with magnetite. Occasional green chlorite (often garnetiferous) and minor Po, Py chiefly in bands but also in veinlets. Sections brecciated. Transitional contacts. Bands dip at 15°CN. 207.4 Andesites altered to Brown biotitic with frequent Q.C. veins and bands. 210.5-210.9 Cherty Iron Formation. Brecciated, minor Py, Po. Poorly banded at 30°CN approx. 244.3-245.3 Cherty Iron Formation. Magnetite bands 5°CN; transitional contacts. Brecciated sections. Minor Py, Po - bands, veinlets. 247.2-248.6 Cherty Iron Formation. Magnetite bands 30°CN. Brecciated in sections. Transitional contacts. Minor Py, Po in bands, veinlets. 264.0-264.7 Cherty Iron Formation. Magnetite bands 25°CN. Minor Po in bands. 264.7 Colour change to green - sedimentary aspect - tuffaceous? 270.1-270.4 Banded Q.C., chert, minor sulphide - Py and Po. Minor magnetite Bands 20°CN. 271.0 Q.C. veining 272.0 approx. Colour change to brown. Brecciated basal contact.	7398	244.3	245.3	1.0'			Au	Ag
			7408	245.3	247.2	1.9'			.05	Nil
			7399	247.2	248.6	1.4'			Tr	Nil
			7409	248.6	251.0	2.4'			.31	.27
			7418	262.0	264.0	2.0'			Tr	Nil
			7400	264.0	265.0	1.0'			Tr	Nil
			7419	265.0	267.0	2.0'			.06	Nil
			7401	269.8	270.8	1.0'			Tr	Nil
									.12	
274.0	281.1	QUARTZ FELDSPAR PORPHYRY Brecciated contacts.								

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

 NAME OF PROPERTY McFinley, Red Lake, Ontario

 HOLE NO. 83-30

 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ. TON	OZ. TON	
					FROM	TO					TOTAL
281.1	281.4	ANDESITES Brown biotitic fine grained.							Au	Ag	
281.4	286.1	DIORITE DYKE. Chilled margins.									
286.1	334.7	ANDESITES Green, fine grained, sedimentary(?) aspect. 289.2 Colour change to brown biotitic. 293.0-294.6 Cherty Iron Formation. Minor Sp, moderate Po in Q.C. at 294.0-294.1 Bands dip at 25°CN. 299.1 Colour change to green. -slight foliation developed. 307.4 Colour change to brown biotitic. Occasional Q.C. bands and veins. 313.0 Colour change to grey green -siliceous? 316.0 Colour change to brown biotitic 317.70318.6 Q.C. veins -brecciated. 319.9-320.0 Q.C. veins 324.9-325.9 Q.F.P. dyke? Py and Po in veinlets. 329.9-330.2 Q.C. vein - note dark grey mineral. Note Q.C. "alteration" on lower side of vein to 331.2. Sharp basal contact.	7402		293.0	294.6	1.6'			Tr	Nil
			7403		333.0	334.7	1.7'			Tr	Nil
334.7	338.7	CHERTY IRON FORMATION Banded grey white chert with moderate magnetite. Minor Po and Py. Tr. AsPy. Bands dip at 25°CN.	7404		334.7	336.7	2.0'			Tr	.18
			7405		336.7	338.7	2.0'			.03	.09
338.7	523.6	ANDESITES Brown biotitic to 339.6 -green thereafter with occasional short biotitic sections. Some sections have a sedimentary appearance. Q.C. veins and bands occur occasionally throughout the sequence. 347.8 Colour change to brown biotitic with bands and veinlets of Q.C. giving a sedimentary look to the section - slumping and minor folding etc. Sp in a veinlet at 348.1 Occasional Tr. Py. 351.0-352.0 approx. Moderate to heavy concentrations of green chlorite Folded and slumped appearance. Tr. disseminated Py. 352.7 Veinlet of Sp and Po in Q.C. 354.8-355.6 Cherty bands. Tr disseminated Py. 356.0 Colour change to green. 356.1-356.5 Small fold noted in core - sedimentary slump feature. 360.0 approx. Gradual change to more massive green andesite. 371.0 Colour change to brown biotitic.	7406		338.7	341.0	2.3'			Tr	.10
			7410		347.0	349.0	2.0'			Tr	Nil
			7411		349.0	351.0	2.0'			Tr	Nil
			7412		351.0	353.0	2.0'			Tr	Nil
			7413		353.0	355.0	2.0'			Tr	Nil
			7414		355.0	357.0	2.0'			Tr	Nil
			7415		357.0	359.0	2.0'			.02	Nil
			7416		359.0	361.0	2.0'			Tr	Nil
			7417		413.5	415.5	2.0'			.04	.08

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-30 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
338.7	523.6	372.0 Q.C. vein or band. Heavy Py 373.3 Q.C. vein. Well developed crystals of biotite. 373.8-376.2 DIORITE DYKE, Chilled margins 376.2 Colour change to green 390.0 approx. More grey siliceous massive aspect to core. Occasional Quartz veins. 403.0 approx. Sedimentary features return. 413.0 approx. Colour change to brownish green -biotitic? 413.5-415.5 Quartz veins in brownish biotitic? Andesite Minor fold noted at 414.3 Moderate Py on Quartz vein at 414.6 and heavy Py on Quartz vein at 415.1 416.0 approx. Colour change to green grey. Sedimentary aspect. Occasional quartz veins. 431.0 Colour change to brown biotite. 436.5 Colour change to green. Sedimentary? features common. 431.1 Brown biotitic section commences. 431.6-432.3 Frequent Q.C. veins with occasional minor Py. Occasional Q.C.V. in sections. 438.5-439.1 Q.C. vein brecciated. 440.0 Colour change to green. 447.4-456.1 DIORITE DYKE. Chilled margins. 456.1 Green brown andesites? sedimentary? features. 462.2-464.9 DIORITE DYKE. Chilled margins. 464.9 Green brown andesites? sedimentary features. Occasional Q.C. bands and veins. Sometimes extensive, often associated with "structural" features -folding, slumping, etc. Occasional brown biotitic section. Occasional "bleached" sections along microveins e.g. 488.5 Infrequent "microconglomeratic" appearing sections similar to slump breccias. Unit consistently brown biotitic after 500.0' approx. Transitional basal contact over last 1.0'							Au	Ag	
523.6	539.2	QUARTZ FELDSPAR PORPHYRY Grey white massive unit with abundant quartz eyes and rare feldspars. May be an altered acid flow or tuff as indicated by the transitional upper and lower contacts. Slight buff coloration suggests sericitisation.	7462		531.0	533.0	2.0'			Tr	Nil
			7463		533.0	535.0	2.0'			Tr	Nil
			7464		535.0	537.0	2.0'			Tr	Nil
			7465		537.0	539.2	2.2'			.01	Nil

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-30 SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPH IDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
539.2	573.4	ANDESITES. Transition zone with interbedded unit tuff? and biotitic andesites with Q.C. 540.8-543.6 Cherty Iron Formation. Banded grey white chert, minor magnetite and infrequent chlorite. Bands dip at 20°CN. Heavy Py and Po in bands from 542.8-543.2. Minor brecciation at base of section. 543.6 Biotitic andesites continue with moderate to heavy Q.C.V. 547.5-555.3 Biotitic andesites with frequent intercalations of white grey units -acid volcanics or incipient chert zone development. 556.3-556.6 Cherty Q.C.V. Minor Py, Po 365.3-365.8 Q.C.V. Last 10' of section shows green chloritic bands moving throughout the biotitic andesites.	7448		539.2	540.8	1.6'			.01	.13
			7427		540.8	543.6	2.8'			.04	.70
			7449		543.6	545.6	2.0'			Tr	Nil
			7450		545.6	547.6	2.0'			Tr	.54
			7451		547.6	549.6	2.0'			Tr	.14
			7452		549.6	551.6	2.0'			Tr	Nil
			7453		551.6	553.6	2.0'			Tr	Nil
			7454		553.6	556.0	2.4'			.05	Nil
			7433		556.0	557.0	1.0'			Tr	.38
			7455		557.0	559.0	2.0'			Tr	Nil
			7456		559.0	561.0	2.0'			Tr	Nil
			7457		561.0	563.0	2.0'			Tr	Nil
			7458		563.0	565.0	2.0'			Tr	Nil
			7434		565.0	566.0	1.0'			Tr	.20
			7459		566.0	568.0	2.0'			Tr	Nil
			7460		568.0	570.0	2.0'			.02	Nil
			7461		570.0	571.0	1.0'			Tr	Nil
			7435		571.0	573.0	2.0'			Tr	.24
573.4	600.4	TRANSITION ZONE Lithologically mixed series. Unit commences with banded Quartz Carbonate(?) (-NOTE: No effervescence with 10% HCl. Could be dolomitic) and andesites to 576.3. Minor green talc chlorite also present 576.3-587.0 Green white coloured unit composed of Quartz Dolomite? (No effervescence with 10% HCl) and green talc chlorite. Occasional concentrations of reddish Sp, Po, and Py. -Probably less than 2% in toto. Unit passes transitionally into talc chlorite schist at 587.0 approx. 592.0-594.0 Green chlorite band. 594.0-596.5 Quartz dolomite? section. 596.5-600.4 LAMPROPHYRE DYKE? -altered appearance. Trace of disseminated Py. Chloritised margins. Foliation present. -May be due to structural shearing.	7436		573.0	575.0	2.0'			.05	.79
			7437		575.0	577.0	2.0'			.05	.47
			7438		577.0	579.0	2.0'			.03	Nil
			7439		579.0	581.0	2.0'			.05	1.43
			7440		581.0	583.0	2.0'			Tr	.24
			7441		583.0	585.0	2.0'			.04	.24
			7442		585.0	587.0	2.0'			Tr	.22
			7443		587.0	589.0	2.0'			Tr	.08
			7444		589.0	591.0	2.0'			Tr	Nil
			7445		591.0	593.0	2.0'			Tr	Nil
			7446		593.0	596.5	3.5'			.02	Nil
			7447		596.5	600.4	3.9'			.02	.46
600.4	695.9	TALC CHLORITE SCHIST Grey white talc with carbonate(?) bands, inclusiona and veinlets. 689.0-695.9 Gradational increase in green chlorite content. Massive green chlorite over last .5'.									

LANGRIDGES - TORONTO - 366-1188

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-30 SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
695.9	732.8	DIORITE(?) SILL(?) Very fine grained over first 2.0'. Contact diffuse with green chlorite above. Main body of unit relatively coarse grained with medium to dark green ferromagnesian phenocrysts in a grey white fine grained matrix. Lower contact diffuse with green chloritisation. Note black ferromagnesian porphyroblasts in contact area. Unit becomes progressively more fine grained over last 3.0'							Au	Ag	
732.8	974.8	TALC CHLORITE SCHIST Similar to unit above Diorite. 918.3 - ALTERED DYKE? Unit commences with 0.5' approx. of a dark green crystalline rock with a sharp upper contact. Unit diffuses into dark green acicular? ferromagnesian crystals in a grey white calcareous matrix. 920.0-928.0 Green andesitic material with minimal talc chlorite content. Alteration variable within this section however from Talc chlorite schist to a fine grained grey green siliceous? unit. 926.8-927.0 Carbonate band. 928.0-937.0(approx.) Dark green ferromagnesian acicular crystals in a grey white calcareous matrix. Lower contact transitional becoming progressively finer grained. 937.0-941.0 Finer grained unit of above. Contact with Talc chlorite schist over 940.0-941.0. 948.0-952.0 Section with heavy crystalline green chlorite(?). White carbonate very common throughout. 969.0-974.0 Section similar to that at 948.0-952.0 Transitional base over 0.8'									
974.8	1024.0	ANDESITES Medium to pale green fine grained unit essentially massive. Transitional base over last 2.0' to 1024.0 989.0-1023.0 Occasional green-grey Quartzitic veinlets.									
1024.0	1207.7	TALC CHLORITE SCHIST Similar in many respects to the main body of talc chlorite schist. However some sections contain less talc, indicating that the T.C.S. zone may be transitionally dying out. 1102.7-1123.8 Recrystallized green brown section with moderate carbonate content. -ALTERED DIORITIC DYKE? 1134.3-1134.6 Q.F.P. Dyke. Relatively unaltered.									

LANGRIDGES - TORONTO - 366-1188

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-30 SHEET NO. 7

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPH IDES	FOOTAGE		%	%	OZ / TON	OZ TON
					FROM	TO					TOTAL
1024.0	1207.0	1134.7-1135.2 Q.F.P. Dyke. Relatively unaltered. 1184.8-1185.5 Carbonate veining with green chlorite and minor muscovite. Hole ended in typical Talc Chlorite Schist. 1207.7 E.O.H. CASING PULLED. HOLE CEMENTED.							Au	Ag

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley - Red Lake, Ontario

HOLE NO. 83-30 Extra Assays SHEET NO. 8

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH, IDES	FOOTAGE			%	%	Au Ag	
					FROM	TO	TOTAL			OZ/TON	OZ/TON
			8117		210.2	211.2	1.0'			.01	Nil
			8118		537.0	539.2	2.2'			Tr	Nil
			8119		539.0	540.8	1.8'			Tr	Nil
			8120		540.8	543.6	2.8'			.01	Nil
			8121		543.6	545.6	2.'			Tr	Nil
			8122		553.6	556.0	2.4'			Tr	Nil
			8123		556	557	1.0'			Tr	Nil
			8124		568	570	2.0'			Tr	.40
			8125		570	571	1.0'			Tr	Nil
			8126		571	573	2.0'			Tr	Nil
			8127		573	575	2.0'			.07	.32
			8128		575	577	2.0'			.04	.64
			8129		577	579	2.0'			.02	Nil
			8130		579	581	2.0'			.01	Nil
			8131		581	583	2.0'			.01	.32
			8132		583	585	2.0'			.08	.50
			8133		585	587	2.0			.02	.68
			8217		207.4	209	1.6'			Tr	.36
			8218		209.0	210.4	1.4'			Tr	Nil
			8219		211.2	213.0	1.8'			Tr	.42
			8220		213	215	2.0'			Tr	Nil
			8221		215	217	2.0'			Tr	Nil
			8222		217	219	2.0'			Tr	Nil
			8223		219	221	2.0'			Tr	.52
			8224		221	223	2.0'			Tr	Nil
			8225		223	225	2.0'			Tr	Nil
			8226		225	227	2.0'			Tr	Nil

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley - Red Lake, Ontario

HOLE NO. 83-30 Extra Assays SHEET NO. 9

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			Au		Ag	
					FROM	TO	TOTAL	%	%	OZ./TON	OZ./TON
			8227		227	229	2.0'			Tr	.60
			8228		229	231	2.0'			Tr	.28
			8229		231	233	2.0'			.01	Nil
			9230		233	235	2.0'			.02	Nil
			8231		235	237	2.0'			Tr	.58
			8232		237	239	2.0'			Tr	Nil
			8233		239	241	2.0'			Tr	Nil
			8234		241	242	1.0'			Tr	Nil
			8235		251	253	2.0'			Tr	Nil
			8236		253	255	2.0'			Tr	Nil
			8237		255	257	2.0'			Tr	Nil
			8238		257	259	2.0'			Tr	.30
			8239		259	261	2.0'			Tr	.40
			8240		261	262	1.0'			Tr	Nil
			8241		267.0	269.8	2.8'			Tr	Nil
			8242		294	296	2.0'			Tr	Nil
			8243		296	298	2.0'			Tr	Nil
			8244		298	300	2.0'			Tr	Nil
			8245		300	302	2.0'			Tr	Nil
			8246		302	304	2.0'			Tr	Nil
			8247		304	306	2.0'			Tr	.40
			8248		306	308	2.0'			Tr	.54
			8249		308	310	2.0'			Tr	.62
			8250		310	312	2.0'			Tr	Nil
			8251		312	314	2.0'			Tr	Nil
			8252		314	316	2.0'			Tr	.42

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley - Red Lake, Ont.

HOLE NO. 83-30 Extra Assays SHEET NO. 10

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS																											
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	Au	Ag																						
					FROM	TO	TOTAL			OZ/TON	OZ/TON																						
			8253		316	318	2.0'			Tr	Nil																						
			8254		318	320	2.0'			Tr	.46																						
			8255		320	322	2.0'			Tr	Nil																						
			8256		322	324	2.0'			Tr	Nil																						
			8257		324	326	2.0'			Tr	Nil																						
			8258		326	328	2.0'			Tr	Nil																						
			8259		328	330	2.0'			Tr	Nil																						
			8260		330	333	3.0'			Tr	Nil																						
<p><u>Mineralized Zones</u></p> <table border="1"> <thead> <tr> <th rowspan="2"><u>From</u></th> <th rowspan="2"><u>To</u></th> <th rowspan="2"><u>Total</u></th> <th colspan="2"><u>oz/t</u></th> </tr> <tr> <th><u>Au</u></th> <th><u>Ag</u></th> </tr> </thead> <tbody> <tr> <td>210.4</td> <td>211.2</td> <td>0.8'</td> <td>0.04</td> <td>0.14</td> </tr> <tr> <td>244.3</td> <td>248.6</td> <td>4.3'</td> <td>0.11</td> <td>0.09</td> </tr> <tr> <td>573.0</td> <td>585.0</td> <td>12.0'</td> <td>0.04</td> <td>0.53</td> </tr> </tbody> </table>												<u>From</u>	<u>To</u>	<u>Total</u>	<u>oz/t</u>		<u>Au</u>	<u>Ag</u>	210.4	211.2	0.8'	0.04	0.14	244.3	248.6	4.3'	0.11	0.09	573.0	585.0	12.0'	0.04	0.53
<u>From</u>	<u>To</u>	<u>Total</u>	<u>oz/t</u>																														
			<u>Au</u>	<u>Ag</u>																													
210.4	211.2	0.8'	0.04	0.14																													
244.3	248.6	4.3'	0.11	0.09																													
573.0	585.0	12.0'	0.04	0.53																													

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-30 SHEET NO. 11

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ TON	OZ TON
					FROM	TO	TOTAL				
		<u>SLUDGE ASSAYS</u>	cont.								
		<u>Metres</u> <u>Feet</u>	<u>Metres</u>		<u>Feet</u>		<u>Au</u>	<u>Ag</u>			
		18 - 21 59 - 69	123 - 126		404 - 414		.03	.31			
		21 - 24 69 - 79	126 - 129		414 - 423		.04	Nil			
		24 - 27 79 - 89	129 - 132		423 - 433		.01	Nil			
		27 - 30 89 - 99	132 - 135		433 - 443		.02	Nil			
		30 - 33 99 - 108	135 - 138		443 - 453		Trace	Nil			
		33 - 36 108 - 118	138 - 141		453 - 463		.01	Nil			
		36 - 39 118 - 128	141 - 144		463 - 473		Trace	.06			
		39 - 42 128 - 138	144 - 147		473 - 483		Trace	.08			
		42 - 45 138 - 148	147 - 150		483 - 492		.01	Nil			
		45 - 48 148 - 158	150 - 153		492 - 502		.02	.50			
		48 - 51 158 - 167	153 - 156		502 - 512		.01	.57			
		51 - 54 167 - 177	156 - 159		512 - 522		.03	.07			
		54 - 57 177 - 187	159 - 162		522 - 532		.07	Nil			
		57 - 60 187 - 197	162 - 165		532 - 542		.02	.18			
		60 - 63 197 - 207	165 - 168		542 - 551		.14	.46			
		63 - 66 207 - 217	168 - 171		551 - 561		.04	.22			
		66 - 69 217 - 227	171 - 174		561 - 571		.01	Nil			
		69 - 72 227 - 236	174 - 177		571 - 581		.24	.10			
		72 - 75 236 - 246	177 - 180		581 - 591		No samples				
		75 - 78 246 - 256	180 - 183		591 - 600		.12	Nil			
		78 - 81 256 - 266	183 - 186		600 - 610		.09	Nil			
		81 - 84 266 - 276	186 - 189		610 - 620		.06	Nil			
		84 - 87 276 - 286	189 - 192		620 - 630		.06	Nil			
		87 - 90 286 - 295	192 - 195		630 - 640		.06	Nil			
		90 - 93 295 - 305	195 - 198		640 - 650		.05	Nil			
		93 - 96 305 - 315	198 - 201		650 - 659		.01	Nil			
		96 - 99 315 - 325	201 - 204		659 - 669		.02	Nil			
		99 - 102 325 - 335	204 - 207		669 - 679		.05	.21			
		102 - 105 335 - 345	207 - 210		679 - 689		.01	Nil			
		105 - 108 345 - 355	210 - 213		689 - 699		.03	.27			
		108 - 111 355 - 364	213 - 216		699 - 709		.01	.20			
		111 - 114 364 - 374	216 - 219		709 - 719		.02	Nil			
		114 - 117 374 - 384	219 - 222		719 - 728		Trace	.18			
		117 - 120 384 - 394	222 - 225		728 - 738		Trace	.06			
		120 - 123 394 - 404	225 - 228		738 - 748		Trace	.44			
			228 - 231		748 - 758		Trace	.14			

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-31 LENGTH 492.3 feet
 LOCATION McFinley Peninsula
 LATITUDE 0+75N DEPARTURE 0+70W
 ELEVATION _____ AZIMUTH Grid East DIP - 75°
 STARTED 30/6/1983 FINISHED 6/7/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
49.2'	75°				
482.5°	71°				

HOLE NO. 83-31 SHEET NO. 1

REMARKS _____

Drilled by St. Lambert

LOGGED BY J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
0	39.6	CASING									
39.6	135.5	ANDESITES									
		Medium green colored essentially massive fine grained rock. Rare Q.C. veins.									
		42.3 - 43.0 Brecciated section with Q.C. Silicified sections occur frequently - chiefly below 47.0' where the whole sequence gradationally changes to a green grey fine grained siliceous unit down to 57.0.									
		57.0 - 64.9 Green chloritised section with crosscutting brecciated Q.C. veins 58.7 - 62.0 with a purplish pink mineral (Fluorite) and a black ferromagnesian mineral.									
		64.9 - 67.6 DIORITE DYKE - chilled margins									
		79.0 - 80.3 Carbonate infilled brecciated section - minor Fluorite? Tr. Po and Py.									
		94.5 - 98.9 DIORITE DYKE - chilled margins									
		98.9 - 124.0 Medium to pale green chloritised andesites with dark green ocular ferromagnesian crystals randomly oriented rare Q.C. veins.									
		124.0 approx. foliation developed by brownish (biotitic) crystals in a chloritic andesitic groundmass.									
		133.5 approx. Unit changes to medium green andesites. Somewhat grey siliceous appearance.									

DIAMOND DRILL RECORD

 NAME OF PROPERTY McFinley, Red Lake, Ontario

 HOLE NO. 83-31

 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
135.5	148.8	CHERTY IRON FORMATION Grey white banded chert minor Po, Py, occasional green chlorite bands. Short sections extensively brecciated. Occasional Q.C. veinlets, bands dip at 45°CN. 145.0 - 146.2 Q.C. Vein Cherty component of the formation diminishes at the Q.C. vein. 146.2 - 147.2 Siliceous biotitic andesite (?) tuff (?) 147.2 - 148.8 Q.C. Veins	7477		133.5	135.5	2.0'			Av.	Ag.
			7478		135.5	138.0	2.5'			Tr.	Nil
			7479		138.0	140.0	2.0'			.03	Nil
			7480		140.0	142.0	2.0'			Tr.	.14
										Tr.	.20
			7481		142.0	144.0	2.0'			Tr.	Nil
			7483		144.0	146.0	2.0'			Tr.	Nil
148.8	153.2	DIORITE DYKE - chilled margins									
153.2	163.7	BIOTITIC CHERTY ANDESITES (Transition Zone) : Interbanded brownish white gray chert and biotitic andesites? Minor Py, Po and Tr. Sp and Ga seen at and Q.C.V. occurs occasionally particularly in association with the sulphides noted above Bands dip at 50°CN. Base of unit defined at last chert band at 163.7 approx., but is essentially transitional.	7484		153.2	156.0	2.8'			Tr.	.18
			7485		156.0	158.0	2.0'			Tr.	.36
			7486		158.0	160.0	2.0'			Tr.	Nil
			7487		160.0	162.0	2.0'			Tr.	.30
			7488		162.0	164.0	2.0'			Tr.	Nil
			7489		164.0	166.0	2.0'			Tr.	Nil
163.7	351.2	ANDESITES Unit commences with a slightly brown biotitic rock to 105.0 after which a medium green color . The foliation developed suggests a sedimentary origin for this part of the sequence. Occasional Q.C.V. 168.4 - 168.5 Q.C. band moderate Sp, Minor Py, Tr. Ga. 178.2 Q.C. band, minor Sp., Tr. Ga., moderate Py/ 190.0 approx. Sequence becomes more massive - foliation absent. 202.0 - 203.7 Q.C.V. brecciated. 203.7 approx. Foliation reappears gradationally.									

DIAMOND DRILL RECORD

 NAME OF PROPERTY McFinley, Red Lake, Ontario

 HOLE NO. 83-31

 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPH. IDES	FOOTAGE		%	%	OZ./TON	OZ. TON
					FROM	TO					TOTAL
		233.0 approx.							Av.	Ag.
		257.5								
		262.9								
		263.2 - 264.0								
		265.2 - 265.8	7492		263.0	265.0	2.0'		Tr.	Nil
		269.1 - 269.7	7490		265.0	266.0	1.0'		Tr.	.22
		270.5 - 276.5	7726		266.0	268.9	2.9'		Tr.	.52
		300.1 - 301.1	7491		268.9	269.9	1.0'		.05	.32
		307.5 - 308.2	7727		269.9	272.0	2.1'		Tr.	.54
		312.8 - 313.1	7493		300.1	301.1	1.0'		.02	.44
		317.2 - 318.4	7494		307.4	308.4	1.0'		.03	.07
		318.4 - 326.2	7494		312.3	313.3	1.0'		.02	.14
		326.2 - 327.7	7496		317.2	318.4	1.2'		Tr.	.06
		334.5 - 337.8	7497		318.4	320.0	1.6'		Tr.	.32
		337.8	7498		320.0	322.0	2.0'		Tr.	.10
		340.6 - 341.4	7499		322.0	324.0	2.0'		Tr.	.44
			7500		324.0	326.2	2.2'		Tr.	.22
			7601		326.2	327.7	1.5'		Tr.	.40
			7774		327.7	330.0	2.3'		Tr.	Nil
			7775		330.0	332.5	2.5'		.02	Nil
			7728		332.5	334.5	2.0'		.01	.50
			7602		334.5	337.8	3.3'		.08	.38
			7729		337.8	340.5	2.7'		Tr.	.60

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-31 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
		345.3 - 345.7	7638		340.5	343.0	2.5'			Av.	Ag.
		Bands dip at 30°CN	7639		343.0	345.0	2.0'			.01	.27
		Crosscutting basal contact - possible sedimentary fracture.	7603		345.0	346.0	1.0'			Tr.	.16
		346.0 approx. Gradational color change to brown biotitic.									
		346.7 - 346.8 Acid volcanic bands?									
		347.4 - 347.6 Acid volcanic bands?									
		350.9 - 351.2 Q.C. vein brecciated includes fragments of Q.F.P.									
351.2	359.9	Q.F.P. Gray buff color sericitic, occasional quartz vein with Py.									
359.9	384.9	ANDESITES Unit commences with a brown biotitic fine grained rock with occasional Q.C.V.									
		365.5 - 366.2 Brecciated bleached appearance	7730		364.0	366.1	2.2'			Tr.	.36
		366.2 - 363.0 Cherty Iron Formation	7604		366.2	368.0	1.8			.11	Ni1
		Minor Py, little brecciation	7731		368.0	370.0	2.0'			.01	.57
		Bands dip at 35°CN	7776		370.0	372.0	2.0'			Tr.	.06
		374.2 - 382.0 DIORITE DYKE - chilled margins.									1.6'CR
334.9	392.8	CHERTY IRON FORMATION Grey white chert banded with blue gray magnetite, minor brecciation with Q.C. Occasional minor Po, Py with Tr. AsPy. Garnets in green chlorite band at 392.3. Bands dip at 40°CN. Somewhat transitional basal contact	7605		383.0	384.9	1.9'			Tr.	.24
			7606		384.9	387.0	2.1'			.07	.13
			7607		387.0	389.0	2.0'			.04	.30
			7608		389.0	391.0	2.0'			.02	.50
			7609		391.0	392.8	1.8'			.02	Ni1
			7610		392.8	395.0	2.2'			Tr.	Ni1
392.8	492.3	ANDESITES Unit commences with a brown biotitic rock with fragment Q.C.V.									
		396.0 - 397.5 Grey brown somewhat siliceous zone Sedimentary appearance in places.									
		402.5 - 404.0 Section with "bleached" brecciated areas.									
		405.0 - 409.0 Section with "bleached" brecciated area, Tr. Sp, Py and Po. in quartz veinlets.									

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-31 SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ TON
					FROM	TO	TOTAL				
		411.3 - 411.6								Av.	Ag.
		409.0 - 412.2									
		417.1 - 420.7									
		423.4 - 430.0									
		435.3 - 435.8									
		450.5 - 450.9									
		450.9 - 453.0	7611		450.5	453.0	1.5'			.03	.69
			7612		453.0	454.2	1.2'			Tr.	.34
			7613		454.0	456.6	1.6'			.10	1.18
			7777		456.6	459.0	2.4'			Tr.	.36
		453.0 - 454.0									
		454.2 - 454.6									
		454.6 - 455.6									
		463.4 - 466.5									
		467.0									
		469.9 - 410.0									
		470.3 - 472.8									
		470.7 - 472.8									
		472.8 - 474.8									

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-31

SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ. TON	OZ. TON			
					FROM	TO					TOTAL		
		494.8 - 474.8											
		DIORITE, chilled lower margin, coarse upper margin.											
		474.8 - 478.1											
		Q.F.P. chilled margine - dyke.											
		478.1 - 484.7											
		Grey green andesites, occasional Q.C.V. sedimentary appearance.											
		484.7											
		Color change to brown biotitic.											
		486.1 - 489.7											
		DIORITE DYKE, chilled margins											
		489.7 - 492.3											
		Grey green andesites, sedimentary appearance.											
		492.3											
		E.O.H. CASING PULLED, HOLE CEMENTED.											

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-31 Extra Assays SHEET NO. 7

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPH IDES	FOOTAGE		%	%	Au		Ag	
					FROM	TO			TOTAL	OZ./TON		OZ./TON
			7935		263	265	2.0'			.01	.50	
			7936		265	266	1.0'			Tr	.44	
			7937		266	268.9	2.9'			Tr	.46	
			7938		268.9	269.9	1.0'			.04	Nil	
			7939		269.9	272.0	2.1'			Tr	.66	
			7940		300.1	301.1	1.0'			Tr	1.24	
			7941		307.4	308.4	1.0'			Tr	1.02	
			7942		312.3	313.3	1.0'			.01	.64	
			7943		317.2	318.4	1.2'			.01	.42	
			7944		318.4	320.0	1.6'			Tr	Nil	
			7945		320	322	2.0'			.01	Nil	
			7946		322	324	2.0'			.01	1.06	
			7947		324	326	2.0'			.04	1.42	
			7948		326.0	327.7	1.7'			.02	.82	
			7949		327.7	330.0	2.3'			Tr	Nil	
			7950		330.0	332.5	2.5'			Tr	Nil	
			7951		332.5	334.5	2.0'			.01	Nil	
			7952		334.5	337.8	3.3'			.06	Nil	
			7953		337.8	340.5	2.7'			Tr	1.06	
			7954		340.5	343.0	2.5'			Tr	Nil	
			7955		343	345	2.0'			Tr	Nil	
			7956		345	346	1.0'			Tr	Nil	
			7957		364.0	366.1	2.1'			Tr	Nil	
			7958		366.1	368.0	1.9'			.01	.70	
			7959		368	370	2.0'			Tr	.46	
			7960		370	372	2.0'			.17	1.80	
			7961		383.0	384.9	1.9'			.02	1.04	

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley - Red Lake, Ontario

HOLE NO. 83-31 Extra Assays SHEET NO. 8

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE		%	%	Au Ag		
					FROM	TO			TOTAL	OZ./TON	OZ./TON
			7962		384.9	387.0	2.1'			.02	.86
			7963		387	389	2.0'			.06	1.02
			7964		389	391	2.0'			.02	Nil
			7965		391.0	392.8	1.8'			.09	.52
			7966		392.8	395.0	2.2'			Tr	Nil
			7967		450.5	453.0	2.5'			.03	.44
			7968		453.0	454.2	1.2'			.02	.62
			7969		454.2	456.6	2.4'			.06	.82
			7970		456.6	459.0	2.4'			.07	Nil
			7971		272	274	2.0'			Tr	Nil
			7972		274	276	2.0'			Tr	Nil
			7973		276	278	2.0'			.01	Nil
			7974		278	280	2.0'			.01	.78
			7975		280	282	2.0'			.01	Nil
			7976		282	284	2.0'			Tr	Nil
		Cumulative error in marking of runs becomes excessive by this point "long" run taken)	7977		284	286	3.7'			Tr	Nil
		)	7978		286	288	2.2'*			Tr	Nil
		)	7979		288	290	2.0'			Tr	.46
			7980		290	292	2.0'			.02	.78
			7981		292	294	2.0'			Tr	Nil
			7982		294	296	2.0'			Tr	.68
			7983		296	298	2.0'			Tr	Nil
			7984		298	300.1	2.1'			Tr	Nil
			7985		300.1	304.0	3.9'			Tr	Nil
			7986		308.4	310.0	1.6'			Tr	Nil
			7987		310.0	312.3	2.3'			Tr	Nil
			7988		313.3	315.0	1.7'			.01	Nil

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley - Red Lake, Ontario

HOLE NO. 83-31 Extra Assays SHEET NO. 9

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH IDES	FOOTAGE		%	%	Au	Ag	
					FROM	TO			TOTAL	OZ./TON	OZ./TON
			7989		315.0	317.2	2.2'			.01	Nil
			7990		346	348	2.0'			Tr	.82
			7991		348	350	2.0'			Tr	.70
			7992		350	352	2.0'			Tr	Nil
			7993		352	354	2.0'			Tr	Nil
			7994		354	356	2.0'			Tr	Nil
			7995		356	358	2.0'			Tr	Nil
			7996		358	360	2.0'			Tr	Nil
			7997		360	362	2.0'			Tr	Nil
			7998		362	364	2.0'			Tr	Nil
			7999		372	374	2.0'			Tr	.60
			8000		374	376	2.0'			Tr	Nil
			8001		376	378	2.0'			Tr	.60
			8002		378	380	2.0'			Tr	Nil
			8003		380	382	2.0'			Tr	1.24
			8004		382	383	1.0'			Tr	Nil
			8005		395	397	2.0'			.01	.50
			8006		397	399	2.0'			Tr	Nil
			8007		399	401	2.0'			Tr	Nil
			8008		401	403	2.0'			Tr	Nil
			8009		403	405	2.0'			Tr	Nil
			8010		405	407	2.0'			Tr	Nil
			8011		407	409	2.0'			Tr	Nil
			8012		409	411	2.0'			Tr	Nil
			8013		411	413	2.0'			Tr	Nil
			8014		413	415	2.0'			Tr	Nil
			8015		415	417	2.0'			Tr	Nil

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley - Red Lake, Ontario

HOLE NO. 83-31 Extra Assays SHEET NO. 10

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	Au Ag	
					FROM	TO	TOTAL			OZ. TON	OZ. TON
			8016		417	419	2.0'			Tr	Nil
			8017		419	421	2.0'			Tr	Nil
			8018		421	423	2.0'			Tr	Nil
			8019		423	425	2.0'			Tr	Nil
			8020		425	427	2.0'			Tr	Nil
			8021		427	429	2.0'			Tr	1.02
			8022		429	431	2.0'			Tr	Nil
			8023		431	433	2.0'			Tr	Nil
			8024		433	435	2.0'			Tr	Nil
			8025		435	437	2.0'			.01	Nil
			8026		437	439	2.0'			.01	.34
			8027		439	441	2.0'			.02	.44
			8028		441	443	2.0'			.02	Nil
			8029		443	445	2.0'			Tr	Nil
			8030		445	447	2.0'			Tr	Nil
			8031		447	449	2.0'			Tr	Nil
			8032		449	450	1.0'			.01	.74
			8033		459	461	2.0'			Tr	Nil
			8034		461	463	2.0'			Tr	Nil
			8035		463	465	2.0'			Tr	Nil
			8036		465	467	2.0'			Tr	1.26
			8037		467	469	2.0'			Tr	Nil
		<u>Mineralized Zones</u>									
					<u>oz/t</u>						
		<u>From</u>	<u>To</u>	<u>Total</u>	<u>Au</u>	<u>Ag</u>					
		330.0	337.8	7.8'	0.043	0.29					
		(334.5	337.8	3.3'	0.08	0.38)					
		366.2	372.0	5.8'	0.10	0.82					
		383.0	392.8	9.8'	0.04	0.70					
		450.5	459.0	6.7'	0.05	0.40					

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-31 SHEET NO. 11

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE		%	%	OZ. TON	OZ. TON	
					FROM	TO	TOTAL				
		<u>SLUDGE ASSAYS</u>									
		<u>Metres</u> <u>Feet</u>	<u>Au</u>	<u>Ag</u>					<u>Au.</u>	<u>Ag.</u>	
		12 - 15 39 - 49	Trace	Nil							
		15 - 18 49 - 59	Trace	.20							
		18 - 21 59 - 69	Trace	.28							
		21 - 24 69 - 79	Trace	.08							
		24 - 27 79 - 89	Trace	Nil							
		27 - 30 89 - 99	Trace	Nil							
		30 - 33 99 - 108	Trace	Nil							
		33 - 36 108 - 118	Trace	Nil							
		36 - 39 118 - 128	.09	Nil							
		39 - 42 128 - 138	Trace	.14							
		42 - 45 138 - 148	.06	Nil							
		45 - 48 148 - 158	Trace	Nil							
		48 - 51 158 - 167	.02	.40							
		51 - 54 167 - 177	Trace	.06							
		54 - 57 177 - 187	Trace	.12							
		57 - 60 187 - 197	Trace	.24							
		60 - 63 197 - 207	Trace	.18							
		63 - 66 207 - 217	Trace	.30							
		66 - 69 217 - 227	Trace	.14							
		69 - 72 227 - 236	Trace	.06							
		72 - 75 237 - 246	.04	.20							
		75 - 78 246 - 256	.06	.10							
		78 - 81 256 - 266	Trace	.38							
		81 - 84 266 - 276	.05	.35							
		84 - 87 276 - 286	Trace	.34							
		87 - 90 286 - 295	.04	.42							
		90 - 93 295 - 305	Trace	.44							
		93 - 96 205 - 315	.05	.13							
		96 - 99 315 - 325	.04	.30							
		99 - 102 325 - 335	.06	.28							
		102 - 105 335 - 345	.06	.18							
		105 - 108 345 - 355	Trace	.38							
		108 - 111 355 - 364	Trace	Nil							
		111 - 114 364 - 374	Trace	.26							
		114 - 117 374 - 384	Trace	.16							

Cont.

Metres Feet

117 - 120
120 - 123
123 - 126
126 - 129
129 - 132
132 - 135
135 - 138
138 - 141
141 - 144
144 - 147
147 - 150

384 - 394
394 - 404
404 - 414
414 - 423
423 - 433
433 - 443
443 - 453
453 - 463
463 - 473
473 - 483
483 - 492

.08
Trace
.02
.05
Trace
Trace
Trace
.08
.05
.05
.02

.06
Nil
.12
.43
.10
.70
.06
.50
.15
.27
Nil

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-32 LENGTH 452.9
 LOCATION On McFinley Peninsula
 LATITUDE 5+20N DEPARTURE 0+00 (on B.L.)
 ELEVATION _____ AZIMUTH Grid East DIP -45°
 STARTED 7/7/1983 FINISHED 12/7/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
13.1	47°				
452.9	41°				

HOLE NO. 83.32 SHEET NO. 1

REMARKS _____

Drilled by St. Lambert

J.F.W.

LOGGED BY _____

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
0	14.3	CASING										
14.8		CHERT UNIT	7614		14.8	17.0	2.2'			Tr.	.80	
		N.B. This sequence is termed "Chert Unit" overall but in fact may be subdivided into the following sub-units:	7615		17.0	19.0	2.0'			Tr.	.10	
		14.8-17.6 Cherty Q.C. section with interbanded biotitic andesites? Commonly brecciated with cross cutting quartz veinlets. Banding gives a generalized dip of 30°CN	7616		19.0	21.0	2.0'			Tr.	Nil	
		17.6 - 23.7 "Birds Eye" Tuff? Occasional Q.C.V. speck of Ga in Q.C.V. at 22.8	7617		21.0	23.0	2.0'			Tr.	.18	
		23.7 - 24.8 (Diffuse contacts) Cherty biotitic tuff. Minor Po, Py, Tr. AsPy.	7618		23.0	25.0	2.0'			Tr.	Nil	
		26.8 - 33.1 Cherty Sulphide Iron Formation, Grey White chert interbanded with moderate to heavy Po, Minor Py, Tr. Aspy, Sp., Ga., Cpy. Short sections brecciated bands dip at 25°CN occ. Q.C.V. Transitional basal contact.	7619		25.0	27.0	2.0'			Tr.	Nil	
			7620		27.0	29.0	2.0'			Tr.	.34	
			7621		29.0	31.0	2.0'			Tr.	1.00	
			7622		31.0	33.0	2.0'			Tr.	.60	
			7623		33.0	35.0	2.0'			Tr.	.54	
33.1	42.9	ANDESITES										
		Unit commences with a brown biotitic section to 35.0 approximately, (transitional base of overlying chert) with common Q.C.V. -										
		35.0 approx. Color changes gradationally to greenish grey. Occasional Q.C.V. Unit may be quite silicious.										
		42.6 approx. Gradational color change to brownish - somewhat biotitic?										
		Transitional base to sequence.										

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-32

SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
42.9		<p>CHERT UNIT</p> <p>Sequence comprised of a number of sub-units as follows:</p> <p>42.9-43.1 Q.C.V. minor Ga., Sp., Po, Py</p> <p>43.1-52.3 Grey brown interbanded chert and biotitic andesites? Moderate Po with Tr Py, Sp and Ga? Possibly As Py also. Short diffuse sections of grey white chert.</p> <p>Speck of V.G. at 39.8'</p> <p>Cross cutting vein of Cpy at 49.7-49.9</p> <p>Bands dip at 25° CN</p> <p>Transitional base to unit</p> <p>52.3-54.3 Biotitic andesites with subordinate chert and Q.C.V. Minor to moderate Po. Bands dip at 30° CN</p> <p>Note disseminated Po in biotitic andesite?</p> <p>54.3-58.1 Banded grey white chert and subordinate green chlorite bands. Minor to moderate Po and Py in bands. Occasional brecciation. Sharp basal contact</p> <p>Frequent Q.C.V. Bands dip at 35° CN</p> <p>58.1 Biotitic andesites with subordinate chert, minor Po in bands. Infrequent Q.C.V.</p>	7624	41.0	42.9	1.9'			Tr.	.46	
			7625	42.9	45.0	2.1'			Tr.	Nil	
			7626	45.0	47.0	2.0'			Tr.	.26	
			7627	47.0	49.0	2.0'			Av.	.015	Av. .405 V.G.
			7628	49.0	51.0	2.0'			Tr.	.20	
			7629	51.0	53.0	2.0'			Tr.	.18	
			7630	53.0	55.0	2.0'			Tr.	Nil	
			7631	55.0	57.0	2.0'			Tr.	Nil	
			7632	57.0	59.0	2.0'			Tr.	Nil	
			7633	59.0	61.0	2.0'			Tr.	Nil	
			7634	61.0	63.0	2.1'			Tr.	.22	
			7635	63.0	65.0	2.0'			Tr.	Nil	
			7636	67.0	69.0	2.0'			Tr.	Nil	
			7637	67.0	69.0	2.0'			Tr.	Nil	
67.1		<p>58.1-63.0 Transitional base from 62.0-63.0</p> <p>Bands dip at 40° CN</p> <p>63.0-67.1 Grey white chert interbanded with green andesitic material. Trace Py, Po. Very infrequent thin (1/8") Brown biotitic bands. Bands dip at 25° CN Basal contact set at last cherty band.</p>									
67.1	127.2	<p>ANDESITES</p> <p>Medium green medium grained unit with rare hands and veins Q.C.V. Very infrequent traces of Po, Py and AsPy. Unit is generally massive with occasional foliation.</p>									

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

 NAME OF PROPERTY McFinley, Red Lake, Ontario

 HOLE NO. 83-32

 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPH IDES	FOOTAGE		%	%	OZ/TON	OZ TON
					FROM	TO					TOTAL
		104.8-108.1 Carbonate vein - brecciated country rock 114.7-115.5 approx. Somewhat brown biotitic section Q.C.V. present								
127.1	131.4	DIORITE DYKE Chilled fine grained margins								
131.4		ANDESITES Similar to unit above Diorite								
		150.0 Gradual change from this point. Q.C. bands and beins and somewhat biotitic bands appear.								
		155.6-159.2 CHERTY IRON FORMATION	7640	155.6	157.5	0.9'			Tr.	Nil
		Minor Q.C. occasional brecciation, very minor Po & Py Little magnetite noted Bands dip at 20°CN	7641	157.5	159.2	1.7'			Tr.	Nil
		154.2 Brown biotitic andesites. Infrequent Q.C. bands, occasional brecciated	7642	173.5	174.5	1.0'			Tr.	Nil
		173.8-174.1 Chert, Q.C. Band. Brecciated garnets on on lower contact with green-black chlorite	7643	177.2	179.0	1.8'			.01	.27
		177.8-178.5 Cherty Q.C. band. Garnets in green chlorite at base.	7644	179.0	181.0	2.0'			TR.	.36
			7645	181.0	183.0	2.0'			Tr.	.16
		178.5 Biotitic andesites with a high carbonate content in madinx. Bands of disseminated Py common	7646	183.0	185.0	2.0'			.01	Nil
		183.2-183.5 Grey diffuse zone ^a siliceous with heavy dissem. Py	7647	185.0	187.1	2.1'			.05	.53
		183.6-183.8 Q.C.V.	7648	187.1	189.0	1.9'			.06	.28
			7649	139.0	191.0	2.0'			.04	.10
		183.9-194.1 Q.C.V.	7650	191.0	193.0	2.0'			Tr.	.26
		184.4-184.9 Q.C.V.	7651	193.0	195.0	2.0'			Tr.	.16
		✓185.8-186-8 CHERTY IRON FORMATION Banded grey white chert and heavy Py. Bands dip at 15°CN								
		189.6-189.8 Cherty Q.C. unit Minor Py, AsPy								
		192.9-193.1 Cherty Q.C. band - Iron formation Minor Po, Py and magnetite								

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-32

SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ./TON	OZ./TON
					FROM	TO					TOTAL
		194.2-194.6 Cherty Q.C. band Minor AsPy								
		202.8-203.2 Brecciated Q.C.V.								
		203.7-204.4 Cherty Iron Formation Brecciated, minor Po. Garnets in green chlorite bands at top of section	7652		202.6	204.6	2.0'		Tr.	Nil
	228.5	209.4-210.1 Cherty Iron Formation Brecciated minor Po Bands dip at 10!CN Note garnets in green chlorite bands	7653		209.0	211.0	2.0'		.02	Nil
		Biotitic andesites continue with common Q.C. veinlets								
		218.9 - 219.6 Cherty Iron Formation Brecciated, Minor Po, Py	7654		218.5	219.6	1.1'		Tr.	Nil
		220.7-223.7 Section with frequent siliceous bands with Po and Py	7655		219.6	222.0	2.4'		Tr.	.06
			7656		222.0	224.0	2.0'		Tr.	Nil
		227.8-228.5 Cherty (?) Unit Banded with green chlorite and minor Py. Bands dip at 25°CN Sharp contact at 228.5	7657		227.5	228.5	1.0'		Tr.	Nil
228.5	236.0	QUARTZ FELDSPAR PORPHY Medium grey medium grained unit with grained margin DYKE? Basal contact unclear due to Q.C.V. 235.1-236.0 Q.C.V. very minor Py	7658		235.0	236.0	1.0'		.01	Nil
236.0		ANDESITES Unit commences with a fine grained brown biotitic rock. 238.0 Colour change to grey brown 239.3-292.2 Section with frequent Q.C.V. 242.2-242.6 Q.C.V. 242.6 Color change to brown biotitic 245.2-246.7 CHERTY IRON FORMATION Brecciated with navy irregular banding. Bands dip at varying angles 0-25°CN								
		262.8-263.0 Q.C.V.								
		263.0 approx. Gradational color change to grey green with a definite foliation sedimentary?	7659		245.2	246.7	1.5'		Tr.	Nil

LANGRIDGES - TORONTO - 368-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-32

SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
		277.5 Q.C.V.									
		278.0-279.5 Q.F.P.									
		279.5 Color change to brown biotitic									
		280.3 Color change to grey green									
		286.3 Color change to brown biotitic									
		291.0 Gradational color change to grey green. Tuffaceous appearance	7778		294.0	296.8	2.8'			Tr.	.12
		296.8-302.4 CHERTY IRON FORMATION	7662		296.8	300.5	3.7'			.33	Nil
		Brecciated throughout, minor Py, Po. Frequent green chlorite and Q.C.V.	7663		300.5	302.4	1.9			.09	.33
		Generally not banded but 10-20°CN Dip noted. Gradational basal contact with occasional Q.C. and siliceous bands to 305-1.	7664		302.4	305.1	2.7			Tr.	
		304.7-304.9 DIORITE									
		306.8-310.3 DIORITE chilled margins									
		310.3 Green andesitic? rock - sedimentary appearance Tuff?									
		314.0 Gradational color change to brown - biotitic? with brown carbonate. Unit contains frequent interbanded									
		317.8-317.9 Thin Q.C. band with heavy AsPy minor Py Po	7665		317.3	318.3	1.0'			.03	.47
		329.0 Color change to green grey - sedimentary?									
		330.8-332.3 Diorite (?) Finer grained margins, Dyke?									
		334.8-336.7 Brown biotitic section - sediment?									
		336.7 Green gray sediment									
		346.5 -350.0 Brown biotitic section									
		350.0-377.5 Green gray - silicious. Green chlorite bands occur at frequent intervals and may represent pillow salvages									
		377.5 Continuing green andesites but with a some- what sedimentary appearance - flow?									
		380.2-386.2 Diorite Dyke? Chilled margins. Note lower 1.5' is brecciated with "bleaching" along borders of breccia fragments.									
		386.2 Grey brown siliceous andesites with extensive brecciation and bleaching in sections to 393.0 approx. Note: Bleaching and brecciation affects diorite intrusive and andesites - may be useful for structural interpretation.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-32

SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPH. IDES	FOOTAGE		%	%	OZ. TON	OZ. TON
					FROM	TO					TOTAL
	415.0	Sequence gradationally changes to biotitic andesites interbedded with Q.C. Occasional minor Py, Po, Tr. Sp, AsPy.								
	396.0-398.3	Q.F.O. or altered acid tuff (more probably Buff color suggests sericitisation Boundaries approximate, minor biotitic bands at upper and lower contacts	7666		390.0	392.0	2.0'		.01	.37
			7667		392.0	394.0	2.0'		.01	Nil
			7668		394.0	396.0	2.0'		Tr.	Nil
			7669		396.0	398.3	2.3'		Tr.	Nil
	400.7-401.9	Q.C.V. minor Py	7670		398.3	400.0	1.7'		Tr.	.14
	402.7	Color changes gradationally to medium to pale green with occasional Q.C. Start of transition zone to talc chlorite schist	7671		400.0	402.0	2.0'		Tr.	Nil
			7672		402.0	404.0	2.0'		.02	.22
			7673		404.0	406.0	2.0'		Tr.	.24
415.0	452.9	TALC CHLORITE SCHIST Grey green banded unit with a high talc content. Infrequent Q.C.V. at start of section	7674		406.0	408.0	2.0'		Tr.	Nil
			7675		408.0	410.0	2.1'		Tr.	Nil
			7676		410.0	412.0	2.0'		Tr.	Nil
			7677		412.0	414.0	2.0'		Tr.	Nil
	452.9	E.O.H. CASSING PULLED, HOLE CEMENTED.								

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley - Red Lake, Ontario

HOLE NO. 83-32 Extra Assays SHEET NO. 7

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	Au Ag	
					FROM	TO	TOTAL			OZ/TON	OZ/TON
			8134		29	31	2.0'			Tr	.68
			8135		41.0	42.0	1.9'			Tr	Nil
			8136		45	47	2.0'			Tr	Nil
			8137		47	49	2.0'			Tr	Nil
			8138		183	185	2.0'			Tr	Nil
			8139		185	187	2.0'			.03	Nil
			8140		187	189	2.0'			.06	.64
			8141		189	191	2.0'			.02	Nil
			8142		191	193	2.0'			Tr	.60
			8143		193	195	2.0'			Tr	Nil
			8144		294.0	296.8	2.8'			Tr	.80
			8145		300.5	302.4	1.9'			.11	.52
			8146		302.4	305.1	2.7'			Tr	Nil
			8184		195	197	2.0'			Tr	.46
			8185		197	199	2.0'			Tr	Nil
			8186		199	201	2.0'			Tr	Nil
			8187		201.0	202.6	1.6'			Tr	Nil
			8188		204.6	207.0	2.4'			Tr	Nil
			8189		207	209	2.0'			Tr	Nil
			8190		211	213	2.0'			Tr	.40
			8191		213	215	2.0'			Tr	Nil
			8192		215	217	2.0'			Tr	Nil
			8193		217	218.5	1.5'			Tr	Nil
			8194		224	226	2.0'			Tr	Nil
			8195		226.0	227.5	1.5'			Tr	Nil
			8196		239	241	2.0'			Tr	Nil
			8197		241	243	2.0'			Tr	Nil

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-33 LENGTH 413.5 feet
 LOCATION On McFinley Peninsula
 LATITUDE 6+20N DEPARTURE 0+00 (on B/L)
 ELEVATION _____ AZIMUTH Grid East DIP -45
 STARTED 12/7/1983 FINISHED 15/7/1983

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
131.1	44°				
413.5	42.5°				

HOLE NO. 83-33 SHEET NO. 1
 REMARKS _____
 Drilled by St. Lambert
 LOGGED BY J.F.W.

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON		
					FROM	TO	TOTAL						
0	12.5	CASING											
12.5	71.7	CHERT UNIT											
		N.B. While this part of the succession is categorized as a "Chert Unit" it can be subdivided as follows:											
		12.5-16.5 Cherty Q.C. with interbedded biotitic andesites?	7678		12.5	15.0	2.5'			Av.	Ag.		
		Andestic bands are uneven and occasionally brecciated. Very minor Py and Po. Bands dip at 30°CN.	7679		15.0	17.0	2.0'			Tr.	Nil		
		16.5-29.0 "Birds Eye" Tuff	7680		17.0	19.0	2.0'			Tr.	Nil		
		Occasional Q.C.V.	7681		19.0	21.0	2.0'			Tr.	Nil		
		Trace Py and Po	7682		21.0	23.0	2.0'			Tr.	.20		
		29.0-36.5 Similar to unit above "Birds Eye" Tuff. (Approx.) Last B.E. Tuff occurs at 34.8. Occ. Py, Po in bands.	7683		23.0	25.0	2.0'			Tr.	Nil		
		Thin (1/8") bands of fuchsite? at 32.8, 33.8 and 34.4	7684		26.0	27.0	2.0'			Tr.	Nil		
		Transitional top and base to this section	7685		27.0	29.0	2.0'			Tr.	Nil		
		36.5 CHERTY SULPHIDE IRON FORMATION	7686		29.0	31.0	2.0'			Tr.	Nil		
			7687		31.0	33.0	2.0'			.01	Nil		
			7688		33.0	35.0	2.0'			TR.	.20		
			7689		35.0	37.0	2.0'			Tr.	.26		
			7690		37.0	39.0	2.0'			.01	.63		
			7691		39.0	41.0	2.0'			Tr.	.12		

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario
 HOLE NO. 83-33 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ TON
					FROM	TO	TOTAL				
2.5	71.7	Grey white chert with occasional bands of Py, Po - chiefly Po. Heavy Po at 37.4 - 37.9. Bands dip at 30°CN. 24.0 - 42.7 Biotitic andesite. 42.7 - 45.5 Grey white massive chert with occasional green chlorite bands microbrecciated throughout. 45.5 - 54.0 Biotitic andesite chert unit. Chert dominant. Frequent minor bands of sulphides chiefly Po with rare Py and Tr. AsPy? Bands dip 10°CN to 49' but become increasingly disturbed and brecciated thereafter. From approx. 51' to 54' some of the brecciation appears to be synsedimentary, i.e. intraformational conglomerates 54.0 - 56.5 Biotitic andesites /cherty quartz carbonates - similar to unit at top of this section V.G. associated with but not entirely restricted to a crosscutting Q.C. at 70°CN. Centre of V.G. occurs at 56.2 and the occurrence runs through the core. Transitional base on the underlying unit. 56.5 - 63.7 Cherty biotitic andesites - chert dominant Frequent minor sulphide bands - chiefly Po, very minor Py. Rare breccia Bands dip at 15°CN. 63.7 - 64.5 Biotitic andesite 64.7 - 66.3 Grey white chert with minor green chlorite bands dipping at 15°CN. Minor Po. Microbrecciation throughout, occasional quartz veins. 66.3 - 69.1 Cherty biotitic andesite, minor banded Po bands dip 20°CN. 69.1 - 71.7 Chert unit continues with gradational change of interbanded andesites from brown biotitic to green chloritic. Note occasional Q.C. brecciation Sharp basal contact.	7692	41.0	43.0	2.0'			Av.	Ag.	
			7693	43.0	45.0	2.0'			.01	Nil	
			7694	45.0	47.0	2.0'			.02	Nil	
			7695	47.0	49.0	2.0'			.04	Nil	
									Tr.	Nil	
			7696	49.0	51.0	2.0'			Tr.	Nil	
			7697	51.0	53.0	2.0'			Tr.	.10	
			7698	53.0	55.0	2.0'			Tr.	Nil	
			7699	55.0	57.0	2.0'		Av.	99.22	Av. 13.83	
			7700	57.0	59.0	2.0'			Tr.	Nil	
			7701	59.0	61.0	2.0'			Tr.	.12	
			7702	61.0	63.0	2.0'			Tr.	Nil	
			7703	63.0	65.0	2.0'			Tr.	Nil	
			7704	65.0	67.0	2.0'			.02	Nil	
			7705	67.0	69.0	2.0'			Tr.	Nil	
			7706	69.0	71.7	2.7'			Tr.	.12	
			7707	71.7	74.0	2.3'			Tr.	.18	
12.5	71.7										
71.7	103.7	ANDESITES									

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-33

SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPH IDES	FOOTAGE		%	%	OZ. TON	OZ. TON
					FROM	TO					TOTAL
71.7	103.7	Medium to pale green medium-fine grained andesites. Foliated sections - Tuff? Infrequent Q.C. veins and bands. Short sections somewhat biotitic.							Av.	Ag.
103.7	107.9	Diorite Dyke Chilled margins.								
107.9	148.9	Andesites Similar to unit above Diorite 127.2 - 127.9 Banded green andesites and Q.C. 148.0 Gradational color change to brown biotitic	7708		148.8	151.0	2.0'		.03	.31
			7709		151.0	153.0	2.0'		Tr.	.14
148.9	156.2	CHERTY IRON FORMATION Grey white chert with minor magnetite, minor Py and Po in bands and veinlets. Tr. AsPy. Unit brecciated to 153.5 . Occasional Q.C. in brecciated area. Bands dip at 15°CN.	7710		153.0	155.0	2.0'		Tr.	.06
			7711		155.0	156.2	1.2'		Tr.	Nil
156.2	233.9	ANDESITES								
156.2	223.9	Unit commences as a brownish biotitic medium-fine grained rock with occasional Q.C. veins/bands. 164.5 - 164.8 Q.C./Chert 165.0 - 166.0 Cherty Q.C. moderate AsPy, Minor Py, Po. Tr. Sp. N.B. Andesites in the area of these Q.C./Chert zones contain minor to moderate disseminated Py with associated minor AsPy? Common Q.C.V. 166.5 - 167.3 Crosscutting Q.C. veins 170.2.- 170.6 Grey white chert band 173.1 - 173.6 Cherty iron formation, brecciated 173.4 - 173.6 Grey white chert band 177.5 - 180.5 Heavy Q.C. banding and veining. Partial absorption of country rock is indicated.	7712		163.0	165.0	2.0'		.02	Nil
			7713		165.0	167.0	2.0'		.04	.10
			7714		167.0	169.0	2.0'		.02	Nil
			7715		169.0	171.0	2.0'		Tr.	Nil
			7716		171.0	173.0	2.0'		Tr.	.26
			7717		173.0	175.0	2.0'		.02	.56

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

 NAME OF PROPERTY McFinley, Red Lake, Ontario

 HOLE NO. 83-33

 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
		184.0 - 184.8	Q.C. vein moderate AsPy minor Py	7718	182.0	184.0	2.0'			Av.	Ag.
		188.0 - 188.2	Chert Band - brecciated	7719	184.0	186.0	2.0'			Tr.	Nil
		197.2 - 198.1	Q.C. vein	7720	186.0	188.0	2.0'			Tr.	Nil
		201.9 - 202.1	Q.C. band very minor Po							.01	Nil
		202.1 - 204.4	Diffuse Q.C. banding								
156.2	223.9	203.1	1/2" chert band.								
		204.4 - 204.9	Cherty Iron Formation. Brecciated								
		204.9 - 213.7	Frequent Q.C. banding. Sedimentary aspect to much of this section	7721	197.0	199.0	2.0'			Tr.	Nil
		213.7 - 214.6	Cherty Iron Formation, brecciated, very minor Py, Po	7722	201.5	203.5	2.0'			Tr.	Nil
		214.6	Gradual color change to green from this point as biotitic content diminishes.								
		215.9	1/2 cherty Q.C. band.	7724	213.6	214.6	1.0'			Tr.	Nil
		220.2 - 221.2	Cherty Iron Formation. Well banded at 20°CN.								
223.9	232.1	229.1 - 230.2	QUARTZ FELDSPAR PORPHYRY Grey white medium to fine-grained unit suggestion of chilled margins. "Raft" of botitic andesite. Note: Brecciated lower contact with a raft of biotitic andesite incorporated in the Q.F.P.	7725	220.2	221.2	1.0'			Tr.	Nil
232.1	380.0	238.0 - 238.9	ANDESITES Unit commences dominantly green, but gradually changes to brown biotitic from 234.5 onwards. Cherty Iron Formation. Somewhat brecciated Minor Po, Py in bands Green chlorite bands occur occasionally, garrets at 238.6. Bands dip at 15°CN Sharp upper contact, transitional basal contact.	7732	238.0	239.0	1.0'			.04	.12

LANGRIDGES - TORONTO - 368-1168

DIAMOND DRILL RECORD

 NAME OF PROPERTY McFinley, Red Lake, Ontario

 HOLE NO. 83.33

 SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
		244.8 - 249.6	7733		244.8	247.0	2.2'			Av/	Ag.
		Unit brecciated to 248'	7734		247.0	249.6	2.6'			.01	.09
		Minor Po, Py, occasional green chlorite								.03	Nil
		Bands dip at 10°CN									
		Gradational bottom contact. Sharp upper contact.									
		Biotitic andesites with minor Q.C. continues to 254.0.									
		254.0									
		Color change to grey-green - siliceous sections.									
232.1	380.0	262.2 - 262.3									
		Chert or acid tuff band									
		266.0 - 267.1									
		Q.F.P. or altered acid tuff (Rhyolite)									
		272.4 - 273.0	7735		273.5	275.0	1.5'			Tr.	.28
		Diorite Dyke. Chilled margins	7736		275.0	276.6	1.6'			Tr.	.22
		273.5 approx.									
		Cherty quartz and Q.C. bands and beins become very common from this point on.									
		276.1 - 276.5									
		"Conglomeratic" appearance to cherty in a biotitic andestic matix.									
		276.5 - 276.8									
		Chert or acid tuff? band (acid volcanic more probable)									
		276.8 - 280.6									
		Diorite Dyke chilled margins									
		280.6 - 282.5	7737		282.5	284.0	1.5'			.03	.27
		Q.F.P. or altered acid tuff (rhyolite)	7738		284.0	286.0	2.0'			.03	Nil
		Note - cherty quartz bands at 280.9 - 281.1									
		282.5 - 285.0	7739		286.0	288.0	2.0'			Tr.	Nil
		Brownish green andesites with frequent blue (approx.) grey cherty quartz bands and beinlets. Occasional Py, Po.									
		284.0 - 284.3	7740		288.0	290.0	2.0'			Tr.	Nil
		Cherty Q.C. band, minor Py, Po.	7741		290.0	292.0	2.0'			.02	Nil
		287.8 - 288									
		Q.C. vein minor Py	7742		292.0	294.0	2.0'			Tr.	.10
		289.7 - 289.8									
		Q.C. vein, tr. Py	7743		294.0	295.7	1.7'			.09	.45
		291.8 - 292.0									
		Cherty Q.C. Band, Tr. Py, Po, AsPy									

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

 NAME OF PROPERTY McFinley, Red Lake, Ontario

 HOLE NO. 83-33

 SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPH IDES	FOOTAGE		%	%	OZ. TON	OZ. TON
					FROM	TO					TOTAL
232.1	380.0	295.3 - 295.7							Av.	Ag.
		295.7 - 296.8	7801		295.7	296.8	1.1'		Tr.	Nil
			7744		296.8	298.0	1.2		.04	1.94
		296.8 - 297.3	7745		298.0	300.0	2.0'		Tr.	.28
		298.8 - 299.1	7746		300.0	302.0	2.0'		.02	.38
		299.6 - 229.8	7747		302.0	304.0	2.0'		Tr.	.38
		301.0 - 301.1								
		305.3 approx.	7748		304.0	305.8	1.8'		Tr.	.40
		318.3 approx.	7749		318.3	320.0	1.7'		Tr.	.50
			7750		320.0	322.0	2.0'		Tr.	.42
		321.1 - 321.2	7751		322.0	324.0	2.0'		Tr.	.34
			7752		324.0	326.0	2.0'		Tr.	.36
			7753		326.0	328.0	2.0'		Tr.	Nil
			7754		328.0	330.0	2.0'		Tr.	.18
			7755		330.0	332.0	2.0'		Tr.	.26
			7756		332.0	334.0	2.0'		Tr.	.54
232.1	380.0	Q.C. veins tend to become less frequent from 335.0 onwards in this section.								
		345.5								
		349.4								
		349.9 approx.	7757		350.0	352.0	2.0'		Tr.	.58
			7758		352.0	354.0	2.0'		Tr.	.22
			7759		354.0	356.0	2.0'		Tr.	Nil
			7760		356.0	358.0	2.0'		Tr.	.76
			7761		358.0	360.0	2.0'		Tr.	.70
			7762		360.0	362.0	2.0'		Tr.	.16
			7763		362.0	364.0	2.0'		Tr.	.32
		368.0 - 328.0	7764		364.0	366.0	2.0'		Tr.	.34

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-33

SHEET NO. 7

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ. TON	OZ. TON	
					FROM	TO	TOTAL					
		372.7 - 374.3	Medium to dark grey unit - highly siliceous Lamprophyre? dyke? or silicified andesite.	7765		366.0	368.0	2.0'			Av.	Ag.
		378.7 - 380.0	Q.C. vein with green chlorite bands Transition zone to Talc Chlorite Schist.	7766		368.0	370.8	2.8'			Tr.	.06
				7767		370.8	372.7	1.9'			Tr.	.16
				7768		372.7	374.3	1.6'			Tr.	Nil
380.0	413.5	TALC CHLORITE SCHIST										
		Contact placed at first 6" band of typical grey-green Talc Chlorite Schist.		7769		374.3	376.0	1.7'			Tr.	Nil
		390.2 - 390.7 Q.C.V.		7770		376.0	378.0	2.0'			Tr.	Nil
		391.8 - 393.8 Q.C.V., Tr. Py, minor biotite and green chlorite		7771		378.0	380.0	2.0'			Tr.	Nil
				7772		380.0	382.0	2.0'			Tr.	Nil
		413.5 E,O.H. CASING PULLED. HOLE CEMENTED										
				7773		391.8	393.8	2.0'			Tr.	Nil

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley, Red Lake, Ontario

HOLE NO. 83-33 Extra Assays SHEET NO. 8

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH, IDES	FOOTAGE			%	%	Au Ag	
					FROM	TO	TOTAL			OZ./TON	OZ./TON
			8087		282.5	284.0	1.5'			.02	Nil
			8088		284	286	2.0'			Tr	Nil
			8089		286	288	2.0'			.01	Nil
			8090		288	290	2.0'			Tr	.60
			8091		290	292	2.0'			.04	Nil
			8092		292	294	2.0'			Tr	Nil
			8093		294.0	295.7	1.7'			.05	Nil
			8094		295.7	296.8	1.1'			.01	Nil
			8095		296.8	298.0	1.2'			.02	.68
			8096		298	300	2.0'			Tr	Nil
			8097		300	302	2.0'			Tr	Nil
			8098		302	304	2.0'			Tr	.82
			8099		356	358	2.0'			Tr	Nil
			8100		358	360	2.0'			Tr	Nil
			8162		156.2	158.0	1.8'			.02	.74
			8163		158	160	2.0'			.03	Nil
			8164		160	163	3.0'			Tr	Nil
			8165		199.0	201.5	2.5'			Tr	1.00
			8166		205.5	208.0	2.5'			Tr	Nil
			8167		208	210	2.0'			Tr	Nil
			8168		210	212	2.0'			Tr	Nil
			8169		212	213.6	1.6'			Tr	Nil
			8170		214.6	217.0	2.4'			Tr	Nil
			8171		217.0	220.2	3.2'			Tr	.30
			8172		234	236	2.0'			Tr	Nil
			8173		236	238	2.0'			Tr	Nil
			8174		239	241	2.0'			Tr	Nil

DIAMOND DRILL RECORD

NAME OF PROPERTY McFinley - Red Lake, Ontario

HOLE NO. 83-33 Extra Assays SHEET NO. 9

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS																																
FROM	TO		NO.	% SULPH IDES	FOOTAGE		%	%	Au	Ag																												
					FROM	TO			TOTAL	oz/ton	oz/ton																											
			8175		241	243	2.0'			.02	Nil																											
			8176		243.0	244.8	1.8'			.03	Nil																											
			8177		249.6	252.0	2.4'			Tr	Nil																											
			8178		252	254	2.0'			Tr	Nil																											
			8179		280.6	282.5	1.9'			Tr	Nil																											
<p><u>Mineralized Zones</u></p> <table border="1"> <thead> <tr> <th rowspan="2"><u>From</u></th> <th rowspan="2"><u>To</u></th> <th rowspan="2"><u>Total</u></th> <th colspan="2"><u>oz/t</u></th> </tr> <tr> <th><u>Au</u></th> <th><u>Ag</u></th> </tr> </thead> <tbody> <tr> <td>55.0</td> <td>57.0</td> <td>2.0'</td> <td>99.22</td> <td>13.83</td> </tr> <tr> <td>55.0</td> <td>60.0</td> <td>5.0'</td> <td>39.7</td> <td>5.5</td> </tr> <tr> <td>238.0</td> <td>249.6</td> <td>11.6'</td> <td>0.02</td> <td>-</td> </tr> <tr> <td>294.0</td> <td>298.0</td> <td>4.0'</td> <td>0.05</td> <td>-</td> </tr> </tbody> </table>												<u>From</u>	<u>To</u>	<u>Total</u>	<u>oz/t</u>		<u>Au</u>	<u>Ag</u>	55.0	57.0	2.0'	99.22	13.83	55.0	60.0	5.0'	39.7	5.5	238.0	249.6	11.6'	0.02	-	294.0	298.0	4.0'	0.05	-
<u>From</u>	<u>To</u>	<u>Total</u>	<u>oz/t</u>																																			
			<u>Au</u>	<u>Ag</u>																																		
55.0	57.0	2.0'	99.22	13.83																																		
55.0	60.0	5.0'	39.7	5.5																																		
238.0	249.6	11.6'	0.02	-																																		
294.0	298.0	4.0'	0.05	-																																		

LANGRIDGES - TORONTO - 366-1168



52N04NE0028 63.4282 BATEMAN

010C

TABLE OF CONTENTS

	<u>Page</u>
SUMMARY.....	(i)
INTRODUCTION.....	1
PROPERTY LOCATION & ACCESS.....	1
LAND TENURE, OWNERSHIP.....	2
HISTORY OF PROPERTY.....	4
GENERAL GEOLOGY.....	6
ECONOMIC GEOLOGY.....	8
EXPLORATION RESULTS.....	10
RESERVE ESTIMATES.....	14
INTERPRETIVE CONSIDERATIONS.....	16
EVALUATION PROGRAM.....	17
GENERAL CONSIDERATIONS.....	17
PROGRAM OUTLINE.....	18
ESTIMATED COST OF PROGRAM.....	20
CONCLUSIONS & RECOMMENDATIONS.....	22
CERTIFICATE OF QUALIFICATION.....	24

Figures & Plans

	<u>Following Page</u>
Figure 1 - General Location Plan.....	2
Figure 2 - Claim Location Plan.....	3
Figure 3 - General Geology of Red Lake Area.....	6
Figure 4 - Aerogeophysical Plan, McFinley Area.....	8
Figure 5 - Interpretive Geological Plan, McFinley Area.	8
Figure 6 - Drill Section, 7+00S	13
Figure 7 - Plan of Proposed and Existing Workings.....	18
Map No. 1 - Diamond Drilling Compilation Plan.....	in pocket
Map No. 2 - Geophysical Compilation Plan.....	in pocket
Exhibit 1-3 -Longitudinal Sections, Tonnage & Grade...	in pocket

Appendices

Appendix I - Geological Report, W.R. Newman; December, 1946.	
Appendix II - Summary of Report by R.J. Mongeau; March 30, 1981	
Appendix III - Statement of Mineral Inventory, R.J. Mongeau; Aug.22, 1983.	

SUMMARY

This report on the McFinley Red Lake property has been prepared for Sabina Industries Limited and McFinley Mines Limited by G.M. Hogg, P.Eng. The 30 claim property is located in the southwestern part of Bateman Township, Ontario, lying approximately 4 miles north of the Campbell Red Lake and Dickenson mines of the Red Lake district. Sabina Industries retains a 60 percent interest in the property, and McFinley Mines the remaining 40 percent.

The original claims were staked in 1922 on a high grade silver showing, but the property was subsequently explored for gold through the 1930's and 1940's by trenching and diamond drilling. Several high grade gold occurrences were located on the McFinley Peninsula, and on McFinley Island to the northeast during the course of this work. In 1956 an underground evaluation program on the McFinley Peninsula was undertaken by Little Long Lac interests. A shaft was sunk to a depth of 423 feet, and a few hundred feet of drifting and underground drilling were completed, mainly on the 150' and 400' Levels. The program was terminated in 1957 with inconclusive results.

Sabina Industries acquired its position in the property through the performance of a diamond drilling program in 1975. Subsequent work has been carried out jointly by the two Companies, including geophysical surveys and additional diamond drilling during 1982 and 1983. Encouraging drill results have been forthcoming from the north part of the McFinley Peninsula, where very high grade gold values occur associated with mineralized iron formation. In this area it has recently been estimated that 426,300 tons of material grading 0.44 oz.Au/ton and 1.09 oz.Ag/ton may be present to a depth of approximately 500 feet (uncut).

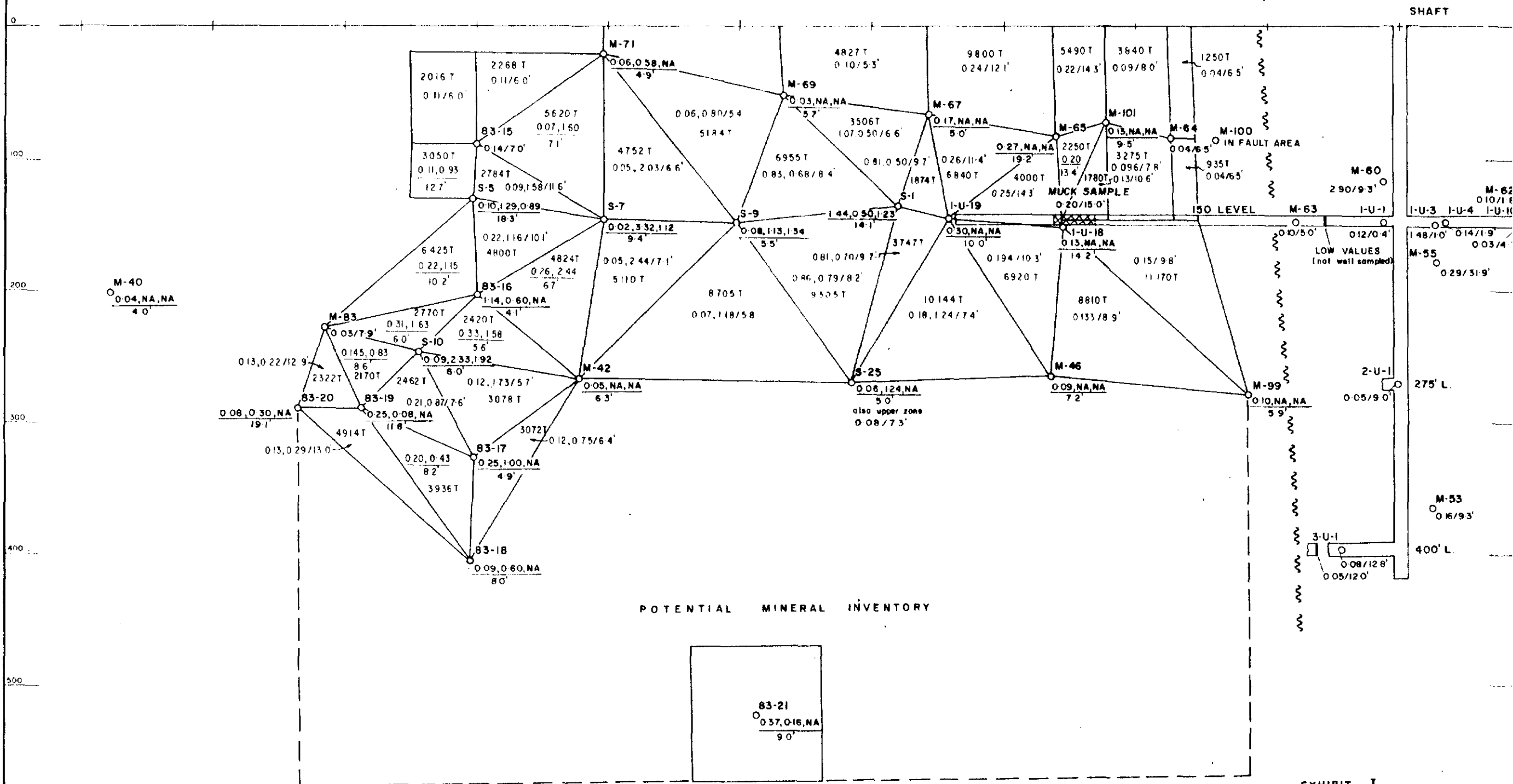
The geological environment of the McFinley property is similar in many respects to that of the Campbell Red Lake-Dickenson area. Gold occurs both as erratic, high grade concentrations in iron formation, and in contact-related quartz carbonate zones. These occurrences are essentially stratabound, and are believed of ultimate sedimentary origin.

The estimation of drill-indicated reserves in iron formation-associated zones in these areas is recognized as conjectural. This is because of the highly erratic distribution of native gold, and because of the presence of multiple mineralized horizons which confuse zonal projection. At the Campbell and Dickenson mines it has long been the practise to evaluate drill-indicated mineralized zones by underground methods, as recommended in this report, often on the basis of very low drill hole assays.

An underground exploration and development program is recommended for the McFinley property at this time. The object of the program is the lateral and vertical definition of mineralized zones of both the iron

formation and quartz carbonate-associated types, and their thorough testing by channel and bulk sampling methods.

The recommended program will involve the utilization of the existing shaft and underground workings for access, with the extension of these workings into drill-defined gold bearing zones. Provision for raising and underground drilling is included. This program is estimated to cost \$ 2,438,700 and will require approximately 10 months for completion.



POTENTIAL MINERAL INVENTORY

LEGEND

S-25 D.D. Hole and number.

O 144,050,123 oz. ton / % Au, Ag, Zn width (ft)

NOTE Underground holes have not been well sampled.

EXHIBIT I

To accompany ore reserve calculation by R.J. Mongeau, P. Eng of July, 1985.



	TONS	GRADE OZ / TON	
		GOLD	SILVER
DRILL INDICATED MINERAL INVENTORY	200,390	0.26	1.03
POTENTIAL MINERAL INVENTORY	166,000	0.26	1.03
TOTAL TONNAGE	366,000	0.26	1.03

**SABINA INDUSTRIES LTD.
AND MCFINLEY MINES LTD.**
MCFINLEY RED LAKE PROPERTY
BATEMAN TWP., RED LAKE AREA
DISTRICT OF KENORA, ONTARIO
**VERTICAL LONGITUDINAL SECTION
'D' ZONE**

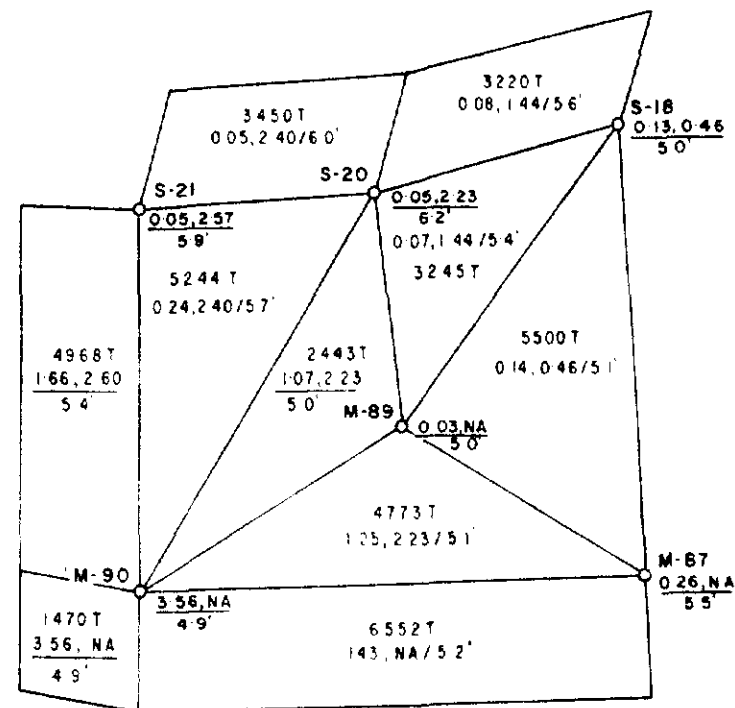
Survey Date June / 85 Drawn By gmes Map Ref
Revisions Cracked By Map No



S2N04NE0028 63.4282 BATEMAN

24 S 23 S 22 S 21 S 20 S 19 S 18 S 17 S 16 S 15 S 14 S 13 S 12 S

100
200
300
400
500
600



S-16
O NIL, 0.33 / 3.7'

M-39

M-34
O 0.06, NA / 6.1'

M-37
O 0.04, NA / 4.1'

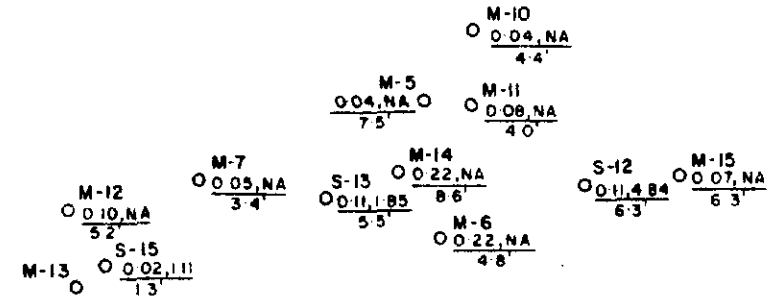
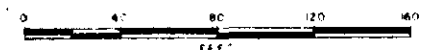


EXHIBIT II

To accompany ore reserve calculation by R. J. Mongeau, P.Eng. of July, 1983.



LEGEND

S-20 DD. Hole and number
O 0.07, 1.44 / 5.4' Au, Ag / width (ft)

DRILL INDICATED MINERAL INVENTORY TONS 40,860
AVERAGE WIDTH = 5.4 ft

GRADE	OZ / TON
GOLD	0.94
SILVER	1.80



52N04NE0028 63.4282 BATEMAN

230

SABINA INDUSTRIES LTD. AND MCFINLEY MINES LTD.
MCFINLEY RED LAKE PROPERTY
BATEMAN TWP., RED LAKE AREA
DISTRICT OF KENORA, ONTARIO
**VERTICAL LONGITUDINAL SECTION
D ZONE SOUTH AREA**

Date July, 1983 Drawn By G.M.S. Map No.

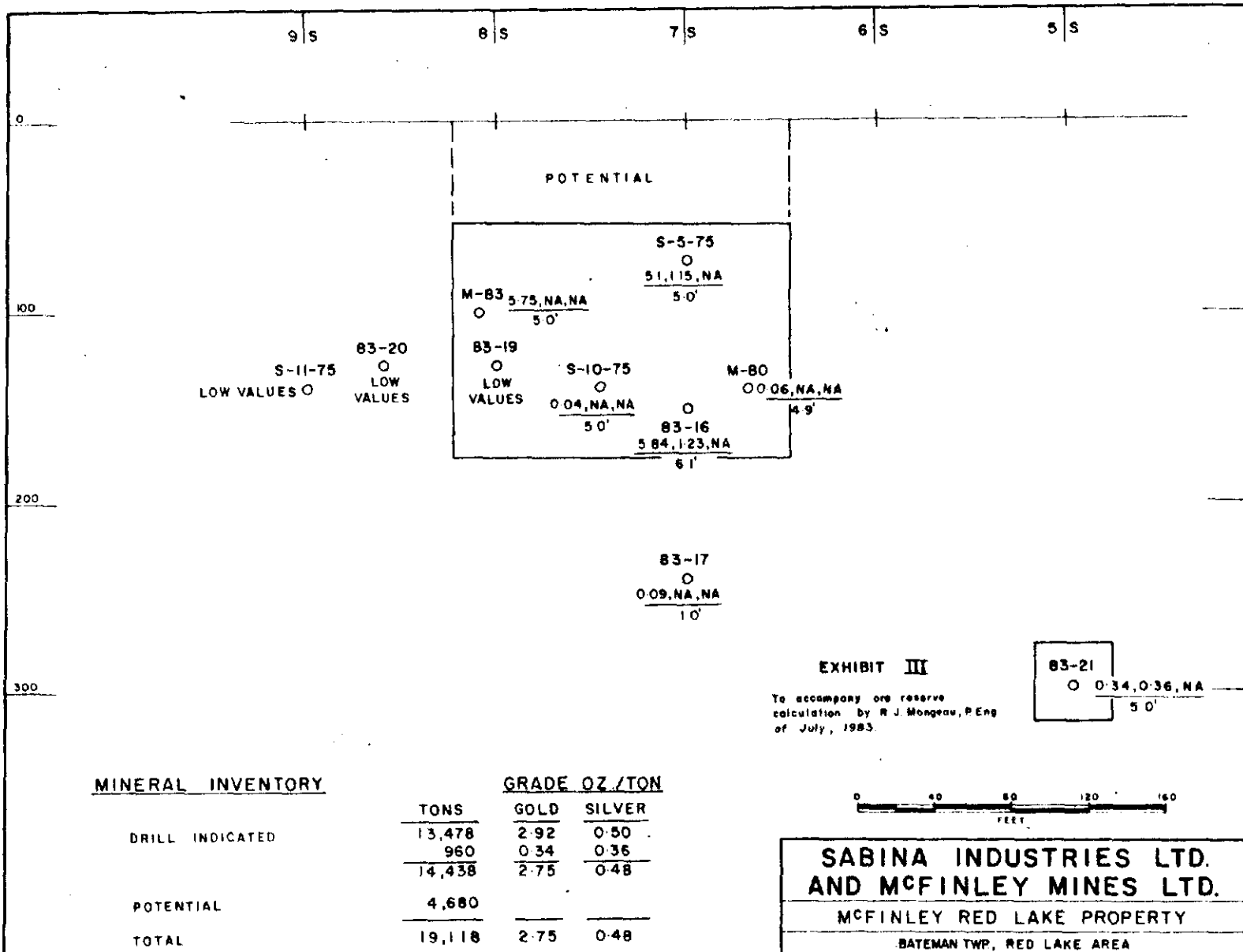


EXHIBIT III

To accompany ore reserve calculation by R. J. Mongeau, P. Eng. of July, 1983.

MINERAL INVENTORY

	TONS	GRADE OZ./TON	
		GOLD	SILVER
DRILL INDICATED	13,478	2.92	0.50
	960	0.34	0.36
	14,438	2.75	0.48
POTENTIAL	4,680		
TOTAL	19,118	2.75	0.48

**SABINA INDUSTRIES LTD.
AND MCFINLEY MINES LTD.**

MCFINLEY RED LAKE PROPERTY

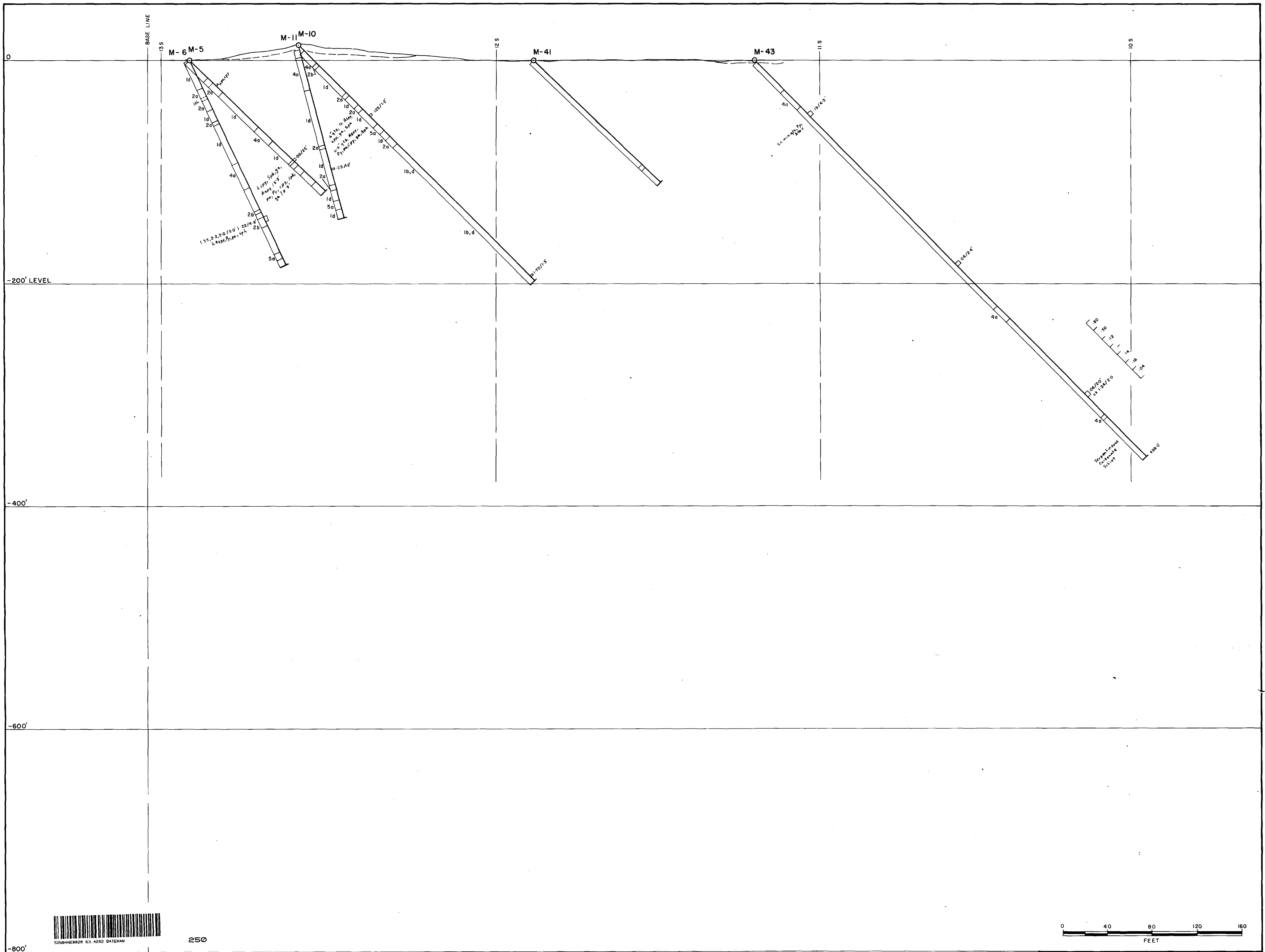
BATEMAN TWP, RED LAKE AREA
DISTRICT OF KENORA, ONTARIO

**VERTICAL LONGITUDINAL SECTION
DA ZONE
SOUTH OF THE SHAFT**

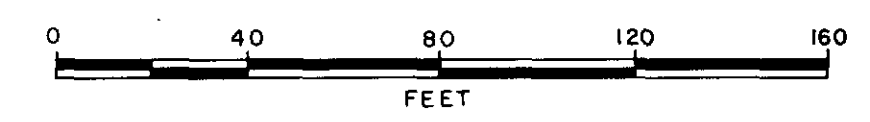
Date: June / 83 Drawn By: Map No:



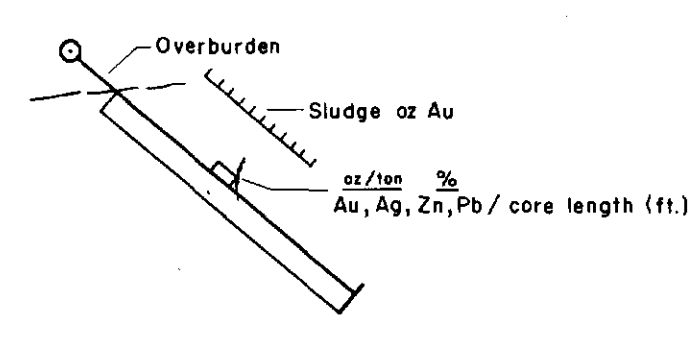
52N04NE0028 63.4282 BATEMAN



250



L E G E N D					
1a	Green, massive andesite	2d	Carbonaceous argillite, graphitic schist, locally garnetiferous	5a	Diorite
1b	Schistose andesite, chlorite schist	3a	Peridotite, meta-hornblendite	5b	Diabase, basalt
1c	Chlorite - amphibole schist, dioritic andesite	3b	Carbonate - chlorite - amphibole - talc schist	5c	Lamprophyre
1d	Brown biotite - chlorite schist	4a	Quartz and/or feldspar porphyry	5e	Chlorite - amphibole schist
1e	Dark grey cherty andesite, silicified and carbonatized	4b	Green to grey sericitic schist, sericitic quartz porphyry	Au	Gold
2a	Layered iron formation, garnetiferous	4c	Aplite	Ag	Silver
2b	Cherty layered iron formation	4d	Granite	sph(Zn)	sphalerite (Zinc %)
2c	Argillite, slate, sericite - chlorite - phyllite and schist	4e	Granodiorite	gal(Pb)	galena (Lead %)
				cpy(Cu)	chalcopyrite (Copper %)
				Aspy	arsenopyrite
				s.c.	Carbonatization - slightly
				m.c.	- moderately
				h.c.	- strongly
				qv	quartz carbonate vein
				s.s.	Silicification - slightly
				m.s.	- moderately
				h.s.	- strongly
				M	Amygdaloidal (feldspar, quartz, carbonate)
				VG	Visible Gold
				bx	breccia
				Py	pyrite
				po	pyrrhotite
				Sul	Sulphides
				mass	massive
				h	heavy
				min	minor
				shear	Shearing



**SABINA INDUSTRIES LTD.
AND M^C FINLEY MINES LTD.**

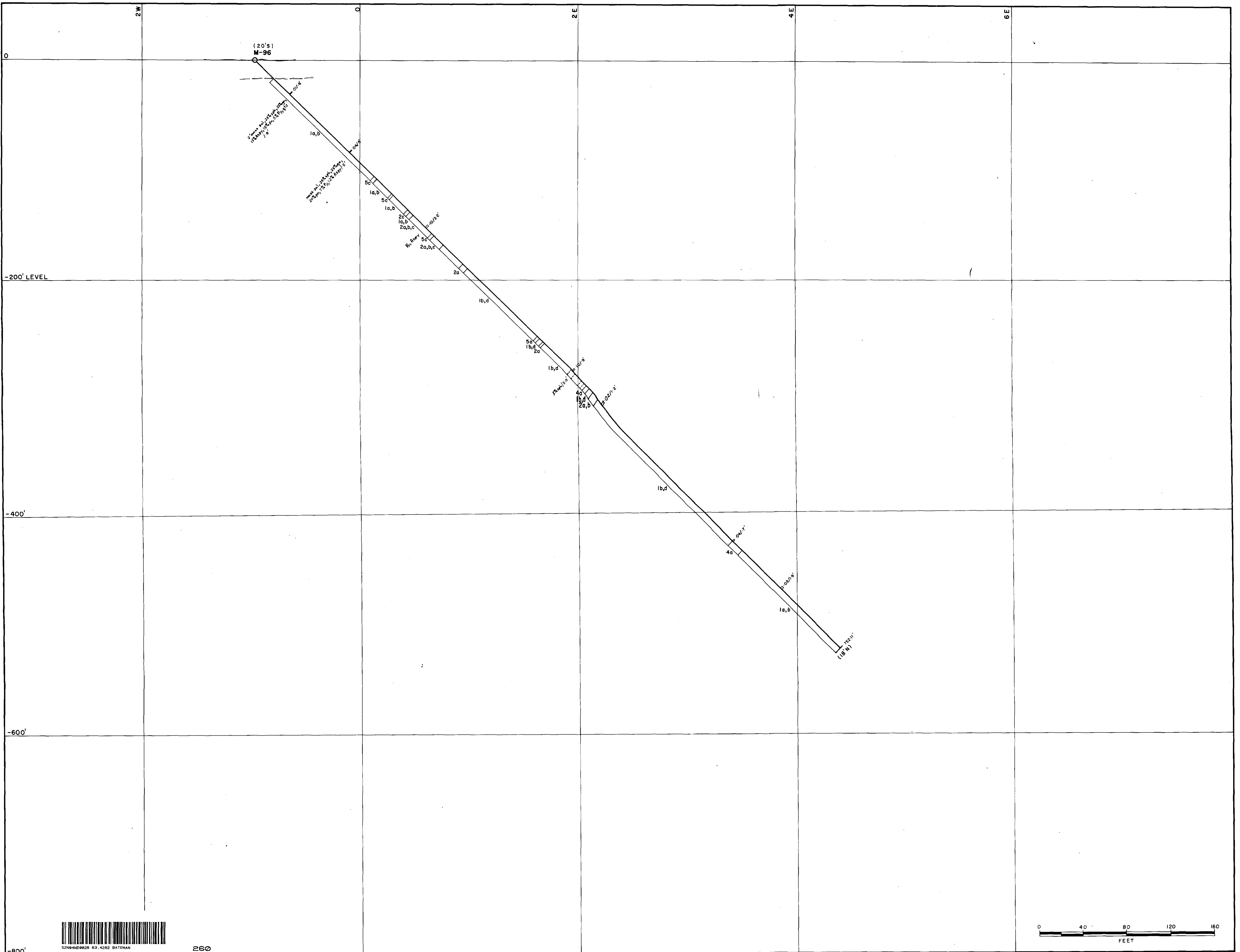
MCFINLEY RED LAKE PROPERTY

BATEMAN TWP, RED LAKE AREA
DISTRICT OF KENORA, ONTARIO

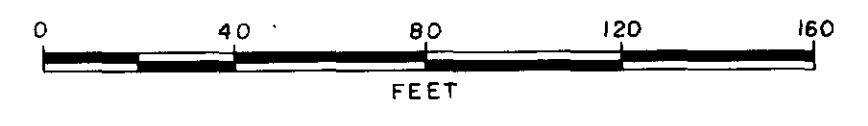
TRUE SECTION
M-5, M-6, M-10, M-11, M-41, M-43

Date: Sept./82 By: / gmes Map No:

63-4282

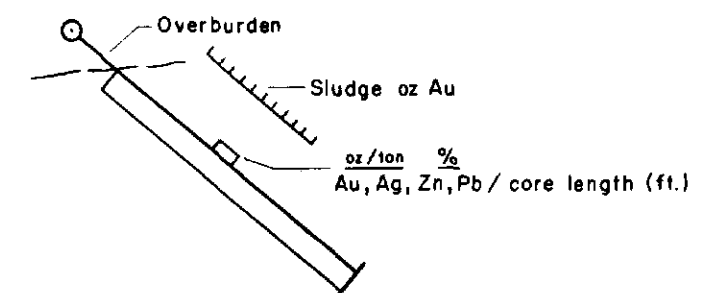


260



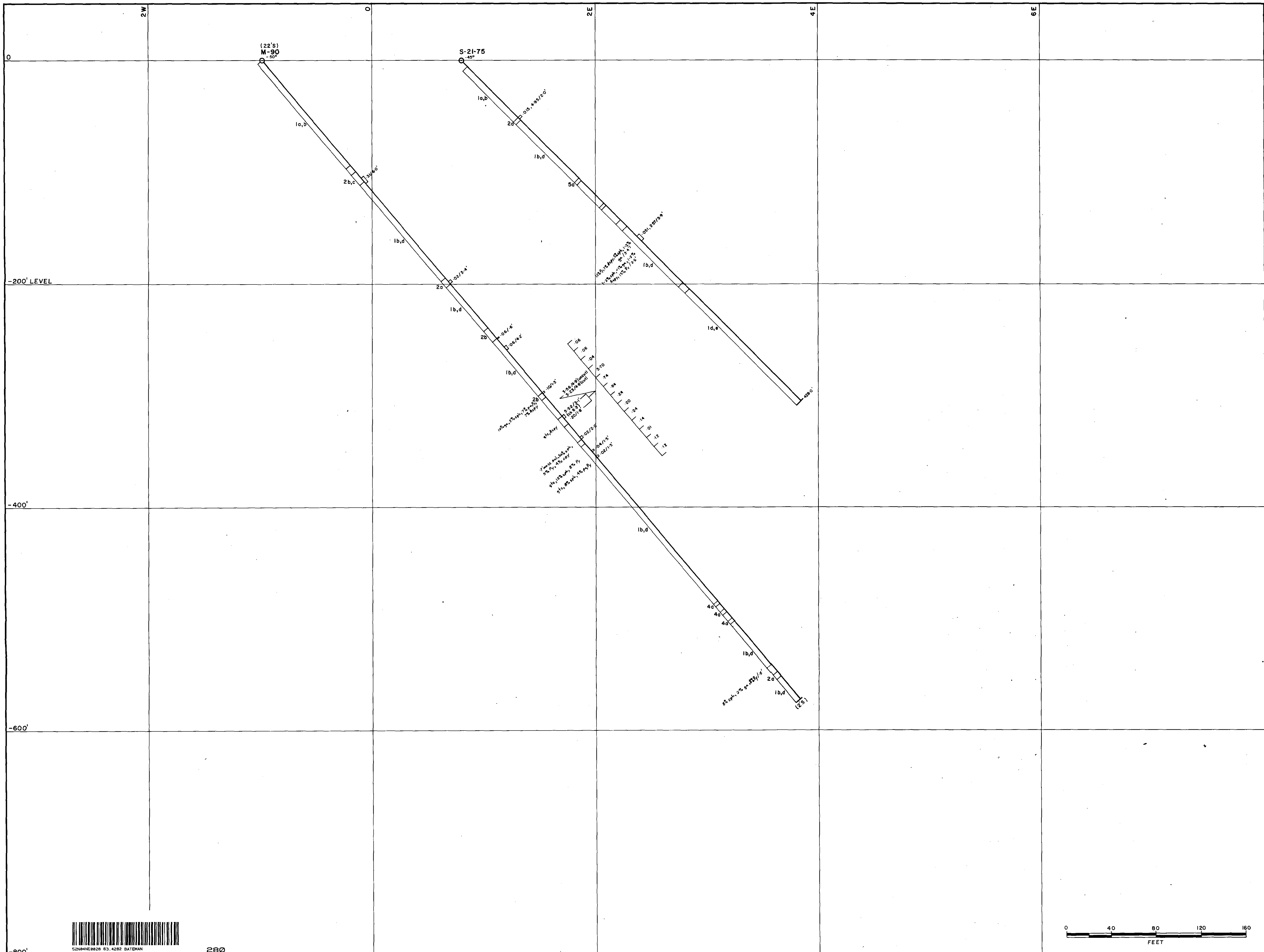
L E G E N D

1a Green, massive andesite	2d Carbonaceous argillite, graphitic schist, locally garnetiferous	5a Diorite	s.c. Carbonatization - slightly	Sul Sulphides
1b Schistose andesite, chlorite schist	3a Peridotite, meta-hornblendite	5b Diabase, basalt	m.c. - moderately	massive
1c Chlorite - amphibole schist, dioritic andesite	3b Carbonate - chlorite - amphibole - talc schist	5c Lamprophyre	h.c. - strongly	h heavy
1d Brown biotite - chlorite schist	4a Quartz and/or feldspar porphyry	5e Chlorite - amphibole schist	qc.v. - quartz carbonate vein	min minor
1e Dark grey cherty andesite, silicified and carbonatized	4b Green to grey sericitic schist, sericitic quartz porphyry	Au Gold	s.s. Silicification - slightly	~~~~~ Shearing
2a Layered iron formation, garnetiferous	4c Aplite	Ag Silver	m.s. - moderately	
2b Cherty layered iron formation	4d Granite	sph(Zn) sphalerite (Zinc %)	h.s. - strongly	
2c Argillite, slate, sericite-chlorite - phyllite and schist	4e Granodiorite	gal(Pb) galena (Lead %)	M Amygdaloidal (feldspar, quartz, carbonate)	
		cpy(Cu) chalcopyrite (Copper %)	V.G. Visible Gold	
		Aspy arsenopyrite	bx breccia	
			Py pyrite	
			po pyrrolite	



**SABINA INDUSTRIES LTD.
AND McFINLEY MINES LTD.**
MCFINLEY RED LAKE PROPERTY
BATEMAN TWP, RED LAKE AREA
DISTRICT OF KENORA, ONTARIO
SECTION 23+00S
M-96
Date: Sept, /82 By: / gmes Map No:

63-4282



280

L E G E N D

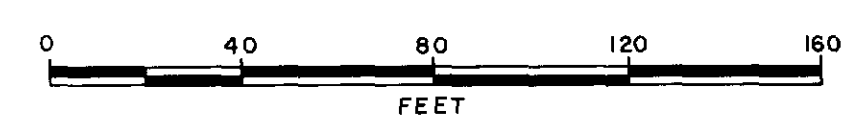
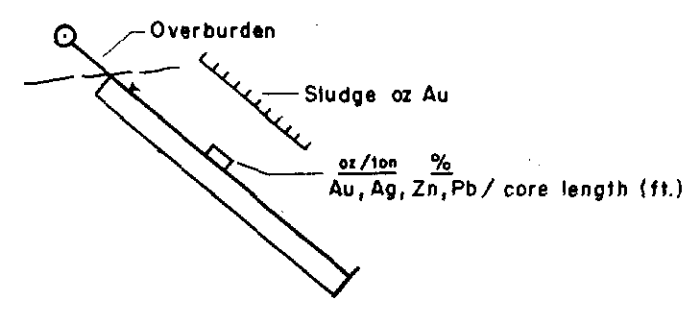
- 1a Green, massive andesite
- 1b Schistose andesite, chlorite schist
- 1c Chlorite - amphibole schist, dioritic andesite
- 1d Brown biotite - chlorite schist
- 1e Dark grey cherty andesite, silicified and carbonatized
- 2a Layered iron formation, garnetiferous
- 2b Cherty layered iron formation
- 2c Argillite, slate, sericite-chlorite - phyllite and schist

- 2d Carbonaceous argillite, graphitic schist, locally garnetiferous
- 3a Peridotite, meta-hornblendite
- 3b Carbonate - chlorite - amphibole - talc schist
- 4a Quartz and/or feldspar porphyry
- 4b Green to grey sericitic schist, sericitic quartz porphyry
- 4c Aplite
- 4d Granite
- 4e Granodiorite

- 5a Diorite
- 5b Diabase, basalt
- 5c Lamprophyre
- 5e Chlorite - amphibole schist
- Au Gold
- Ag Silver
- sph(Zn) sphalerite (Zinc %)
- gal(Pb) galena (Lead %)
- cpy(Cu) chalcopyrite (Copper %)
- Aspy arsenopyrite

- s.c. Carbonatization - slightly
- m.c. - moderately
- h.c. - strongly
- qc.v. - quartz carbonate vein
- s.s. Silicification - slightly
- m.s. - moderately
- h.s. - strongly
- M Amygdaloidal (feldspar, quartz, carbonate)
- VG Visible Gold
- bx breccia
- Py pyrite
- po pyrrotite

- Sul Sulphides
- mass massive
- h heavy
- min minor
- Shearing



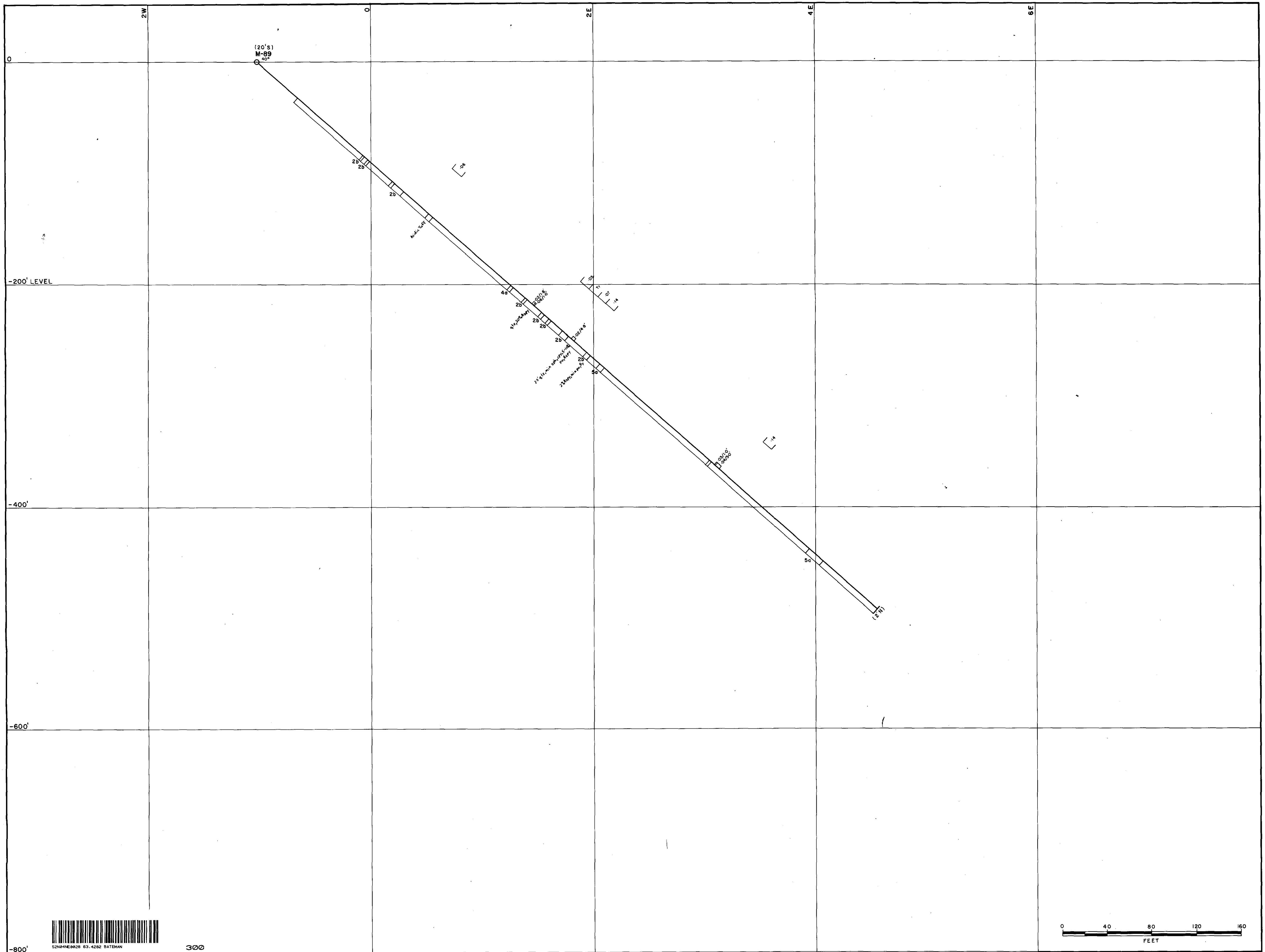
**SABINA INDUSTRIES LTD.
AND McFINLEY MINES LTD.**
McFINLEY RED LAKE PROPERTY

BATEMAN TWP, RED LAKE AREA
DISTRICT OF KENORA, ONTARIO

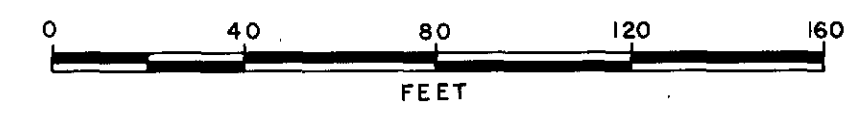
SECTION 21+00S
M-90,S-21-75

Date: Sept./82 By: / gmes Map No:

63-4282

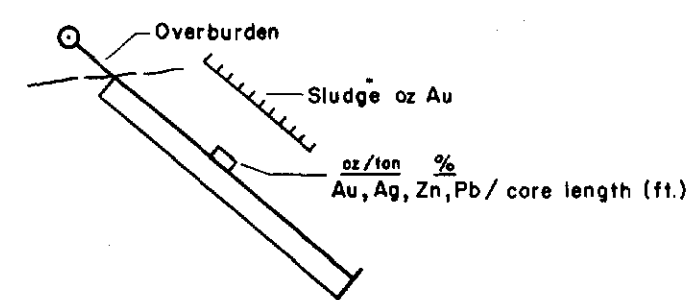


300



L E G E N D

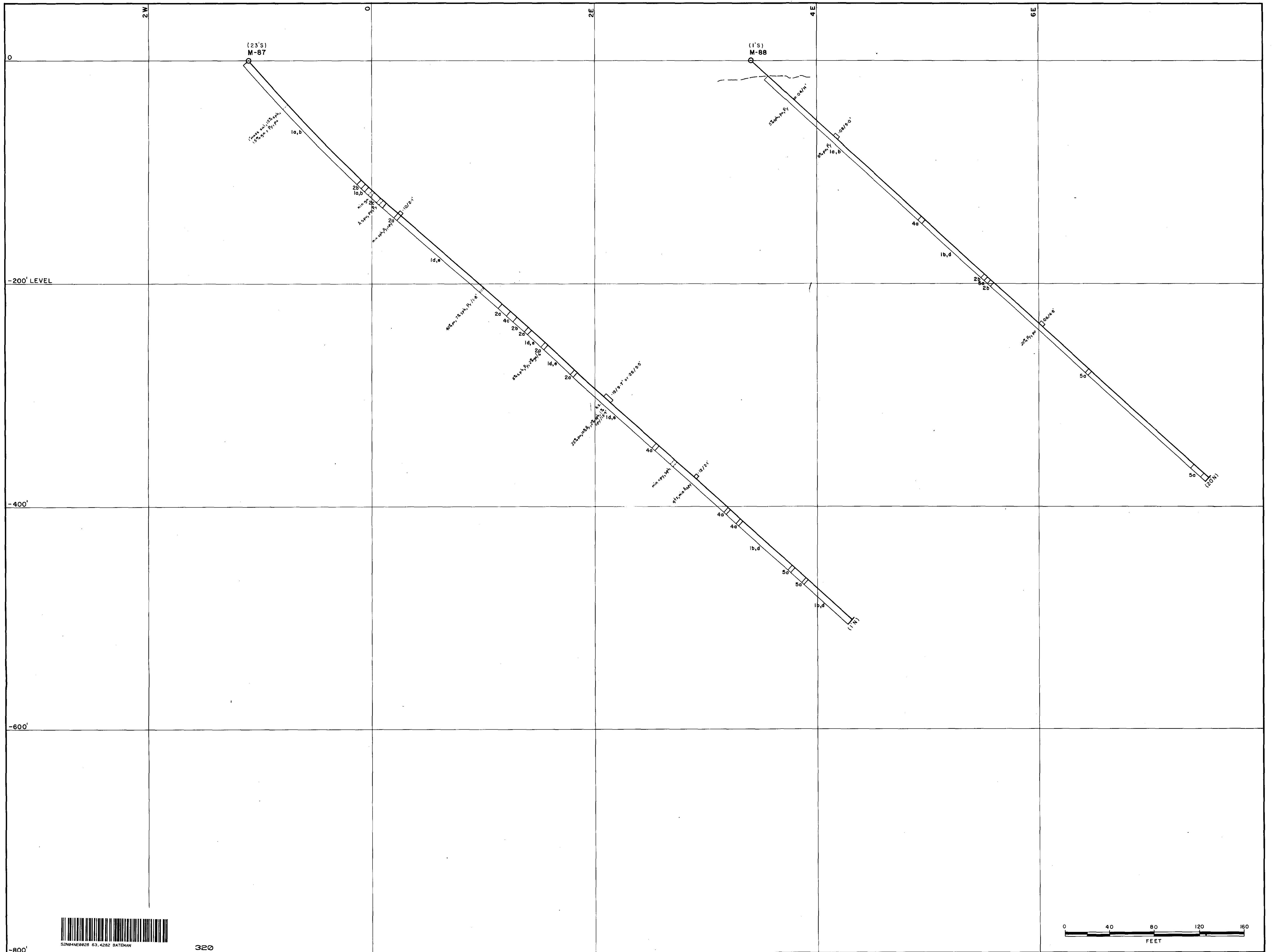
1a Green, massive andesite	2d Carbonaceous argillite, graphitic schist, locally garnetiferous	5a Diorite	s.c. Carbonatization - slightly	Sul Sulphides
1b Schistose andesite, chlorite schist	3a Peridotite, meta-hornblende	5b Diabase, basalt	m.c. - moderately	mass massive
1c Chlorite - amphibole schist, dioritic andesite	3b Carbonate - chlorite - amphibole - talc schist	5c Lamprophyre	h.c. - strongly	h heavy
1d Brown biotite - chlorite schist	4a Quartz and/or feldspar porphyry	5e Chlorite - amphibole schist	qc.v. - quartz carbonate vein	min minor
1e Dark grey cherty andesite, silicified and carbonatized	4b Green to grey sericitic schist, sericitic quartz porphyry	Au Gold	s.s. Silicification - slightly	shear Shearing
2a Layered iron formation, garnetiferous	4c Aplite	Ag Silver	m.s. - moderately	
2b Cherty layered iron formation	4d Granite	sph(Zn) sphalerite (Zinc %)	h.s. - strongly	
2c Argillite, slate, sericite-chlorite - phyllite and schist	4e Granodiorite	gal(Pb) galena (Lead %)	M Amygdaloidal (feldspar, quartz, carbonate)	
		cpy(Cu) chalcopyrite (Copper %)	VG Visible Gold	
		Aspy arsenopyrite	bx breccia	
			Py pyrite	
			pe pyrrolite	



**SABINA INDUSTRIES LTD.
AND M^C FINLEY MINES LTD.**
M^C FINLEY RED LAKE PROPERTY
BATEMAN TWP, RED LAKE AREA
DISTRICT OF KENORA, ONTARIO
SECTION 19+50S
M-89

Date: Sept, /82 By: / gmes Map No:

63-4282



320

L E G E N D

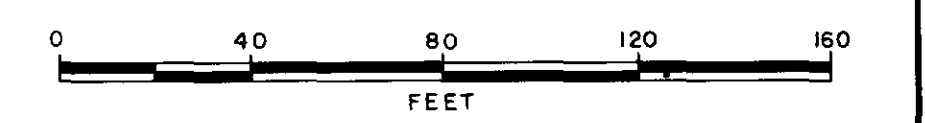
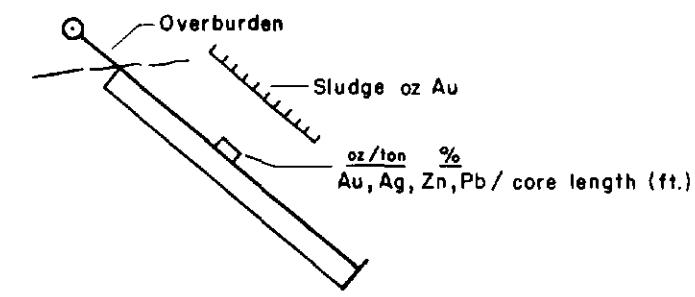
- 1a Green, massive andesite
- 1b Schistose andesite, chlorite schist
- 1c Chlorite - amphibole schist, dioritic andesite
- 1d Brown biotite - chlorite schist
- 1e Dark grey cherty andesite, silicified and carbonatized
- 2a Layered iron formation, garnetiferous
- 2b Cherty layered iron formation
- 2c Argillite, slate, sericite-chlorite - phyllite and schist

- 2d Carbonaceous argillite, graphitic schist, locally garnetiferous
- 3a Peridotite, meta-hornblende
- 3b Carbonate - chlorite - amphibole - talc schist
- 3c Quartz and/or feldspar porphyry
- 4a Green to grey sericitic schist, sericitic quartz porphyry
- 4b Aplite
- 4c Granite
- 4d Granodiorite

- 5a Diorite
- 5b Diabase, basalt
- 5c Lamprophyre
- 5e Chlorite - amphibole schist
- Au Gold
- Ag Silver
- sph(Zn) sphalerite (Zinc %)
- gal(Pb) galena (Lead %)
- cpy(Cu) chalcopyrite (Copper %)
- Aspy arsenopyrite

- s.c. Carbonatization - slightly
- m.c. - moderately
- h.c. - strongly
- qcw - quartz carbonate vein
- s.s. Silicification - slightly
- m.s. - moderately
- h.s. - strongly
- M Amygdaloidal (feldspar, quartz, carbonate)
- VG Visible Gold
- bx breccia
- Py pyrite
- po pyrrhotite

- Sul Sulphides
- mass massive
- h heavy
- min minor
- Shearing



**SABINA INDUSTRIES LTD.
AND McFINLEY MINES LTD.**

MCFINLEY RED LAKE PROPERTY

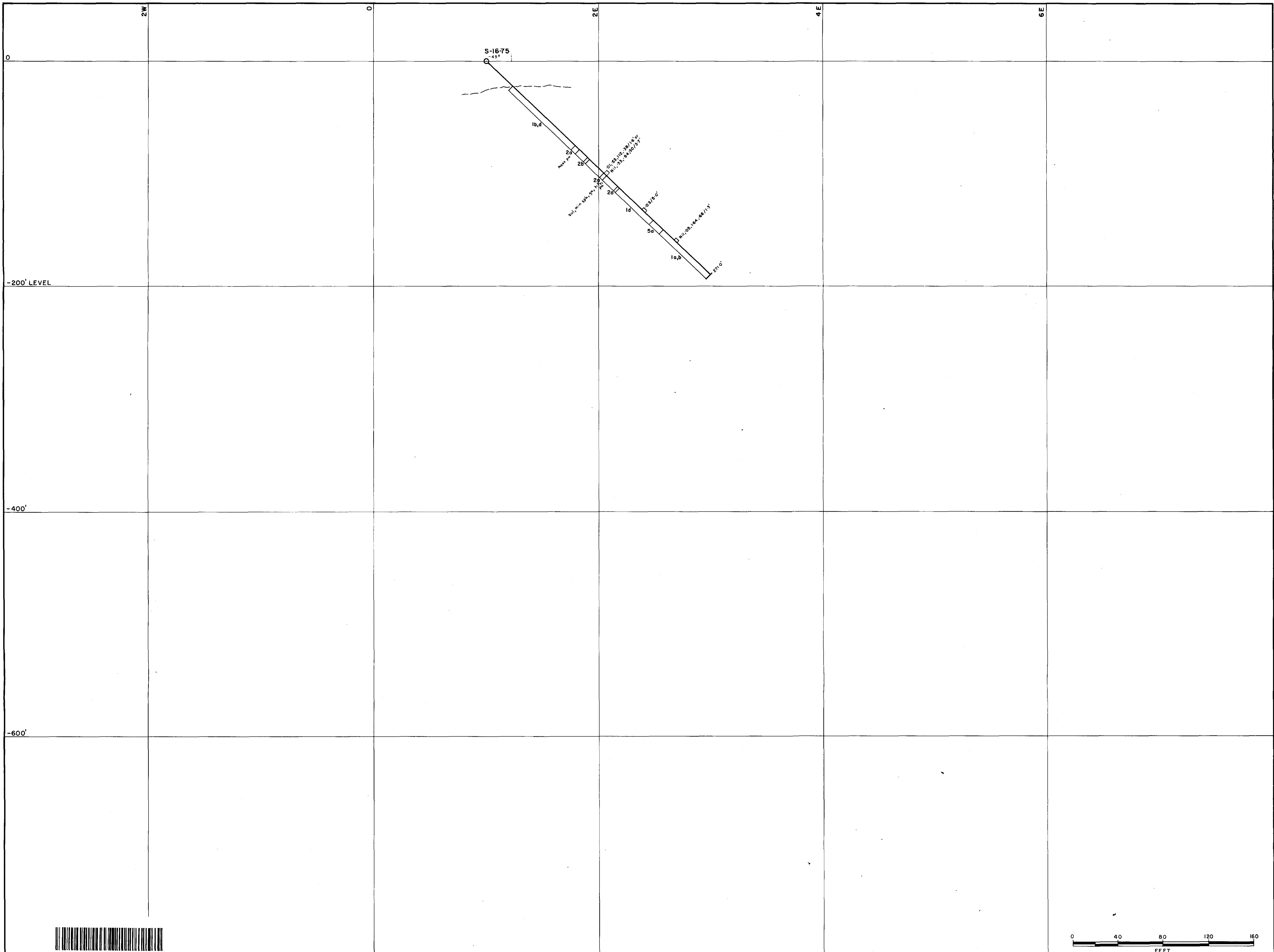
BATEMAN TWP, RED LAKE AREA
DISTRICT OF KENORA, ONTARIO

SECTION 18+50S

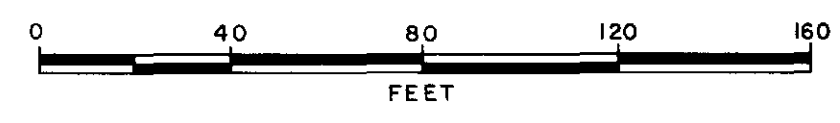
M-87, M-88

Date: Sept./82 By: / gmes Map No:

63.4282

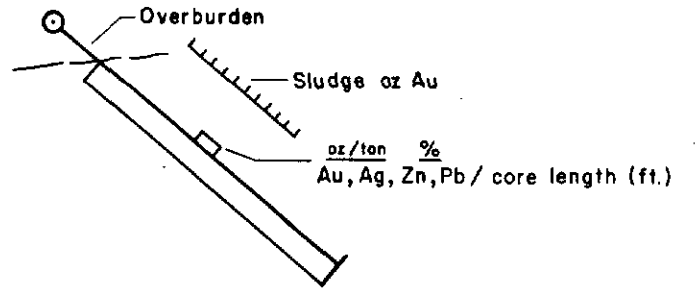


330



L E G E N D

<p>1a Green, massive andesite</p> <p>1b Schistose andesite, chlorite schist</p> <p>1c Chlorite - amphibole schist, dioritic andesite</p> <p>1d Brown biotite - chlorite schist</p> <p>1e Dark grey cherty andesite, silicified and carbonized</p> <p>2a Layered iron formation, garnetiferous</p> <p>2b Cherty layered iron formation</p> <p>2c Argillite, slate, sericite - chlorite - phyllite and schist</p>	<p>2d Carbonaceous argillite, graphitic schist, locally garnetiferous</p> <p>3a Peridotite, meta-hornblendite</p> <p>3b Carbonate - chlorite - amphibole - talc schist</p> <p>4a Quartz and/or feldspar porphyry</p> <p>4b Green to grey sericitic schist, sericitic quartz porphyry</p> <p>4c Aplite</p> <p>4d Granite</p> <p>4e Granodiorite</p>	<p>5a Diorite</p> <p>5b Diabase, basalt</p> <p>5c Lamprophyre</p> <p>5e Chlorite - amphibole schist</p> <p>Au Gold</p> <p>Ag Silver</p> <p>sph(Zn) sphalerite (Zinc %)</p> <p>gal(Pb) galena (Lead %)</p> <p>cpy(Cu) chalcopyrite (Copper %)</p> <p>Aspy arsenopyrite</p>	<p>s.c. Carbonatization - slightly</p> <p>m.c. - moderately</p> <p>h.c. - strongly</p> <p>qcw - quartz carbonate vein</p> <p>s.s. Silicification - slightly</p> <p>m.s. - moderately</p> <p>h.s. - strongly</p> <p>M Amygdaloidal (feldspar, quartz, carbonate)</p> <p>VG Visible Gold</p> <p>bx breccia</p> <p>Py pyrite</p> <p>po pyrrhotite</p>	<p>Sul Sulphides</p> <p>mass massive</p> <p>h heavy</p> <p>min minor</p> <p>Shearing</p>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------



**SABINA INDUSTRIES LTD.
AND McFINLEY MINES LTD.**

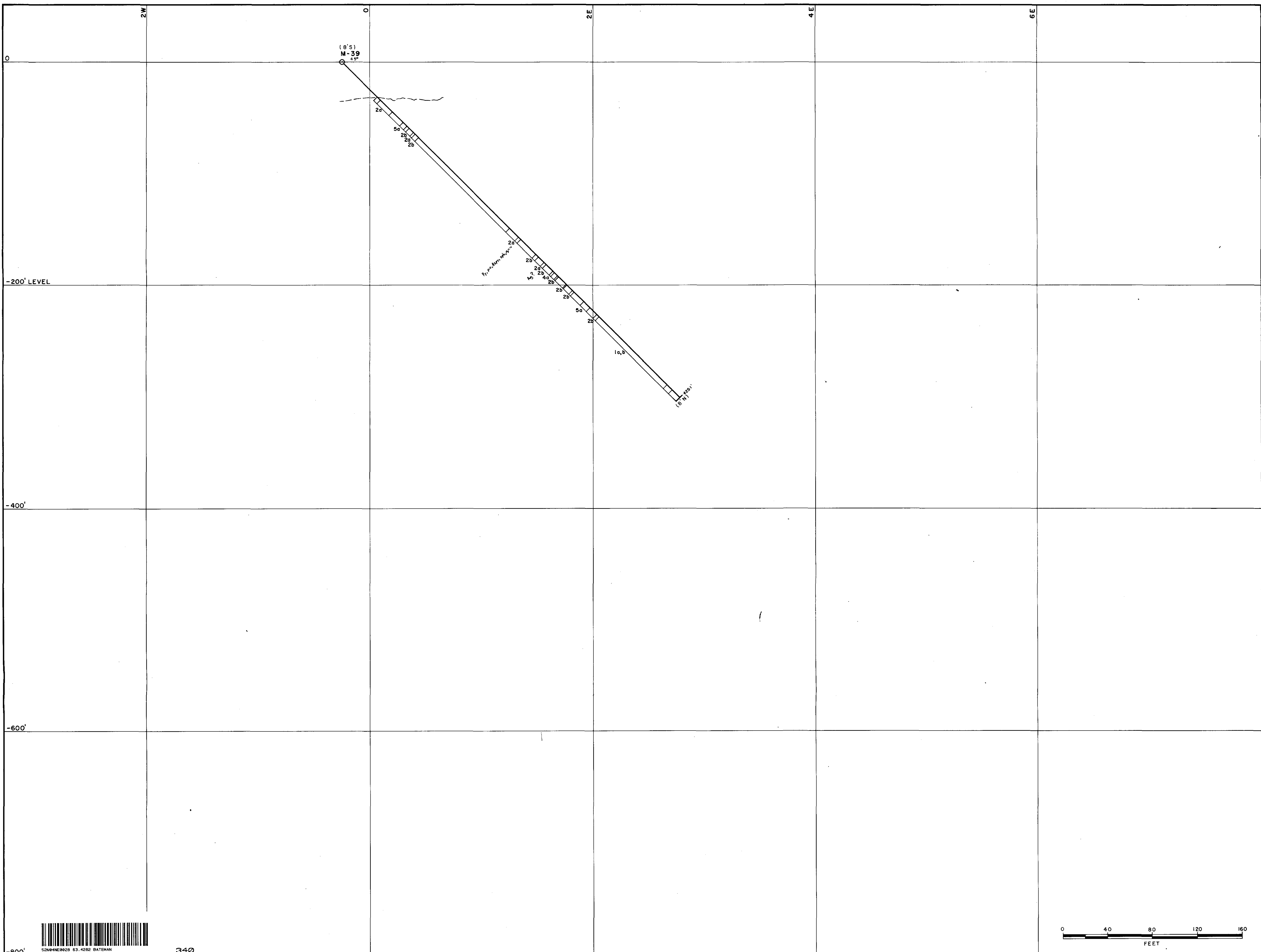
McFINLEY RED LAKE PROPERTY

BATEMAN TWP, RED LAKE AREA
DISTRICT OF KENORA, ONTARIO

SECTION 18+00S

S-16-75

Date: Sept./82 By: /gmes Map No:



340

L E G E N D

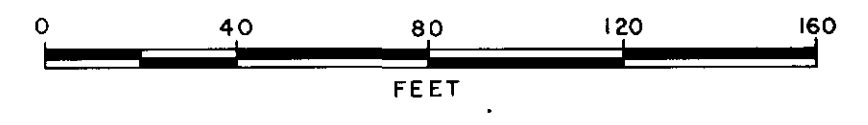
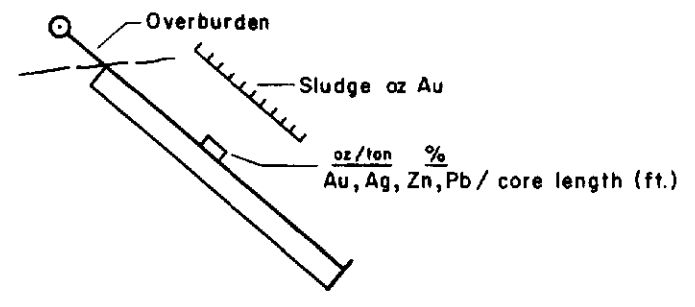
- 1a Green, massive andesite
- 1b Schistose andesite, chlorite schist
- 1c Chlorite - amphibole schist, dioritic andesite
- 1d Brown biotite - chlorite schist
- 1e Dark grey cherty andesite, silicified and carbonatized
- 2a Layered iron formation, garnetiferous
- 2b Cherty layered iron formation
- 2c Argillite, slate, sericite-chlorite - phyllite and schist

- 2d Carbonaceous argillite, graphitic schist, locally garnetiferous
- 3a Peridotite, meta-hornblendite
- 3b Carbonate - chlorite - amphibole - talc schist
- 4a Quartz and/or feldspar porphyry
- 4b Green to grey sericitic schist, sericitic quartz porphyry
- 4c Aplite
- 4d Granite
- 4e Granodiorite

- 5a Diorite
- 5b Diabase, basalt
- 5c Lamprophyre
- 5e Chlorite - amphibole schist
- Au Gold
- Ag Silver
- sph(Zn) sphalerite (Zinc %)
- gal(Pb) galena (Lead %)
- cpy(Cu) chalcopyrite (Copper %)
- Aspy arsenopyrite

- s.c. Carbonatization - slightly
- m.c. - moderately
- h.c. - strongly
- qcw quartz carbonate vein
- ss Silicification - slightly
- ms - moderately
- h.s. - strongly
- M Amygdaloidal (feldspar, quartz, carbonate)
- VG Visible Gold
- bx breccia
- Py pyrite
- po pyrrotite

- Sul Sulphides
- mass massive
- h heavy
- min minor
- Shearing



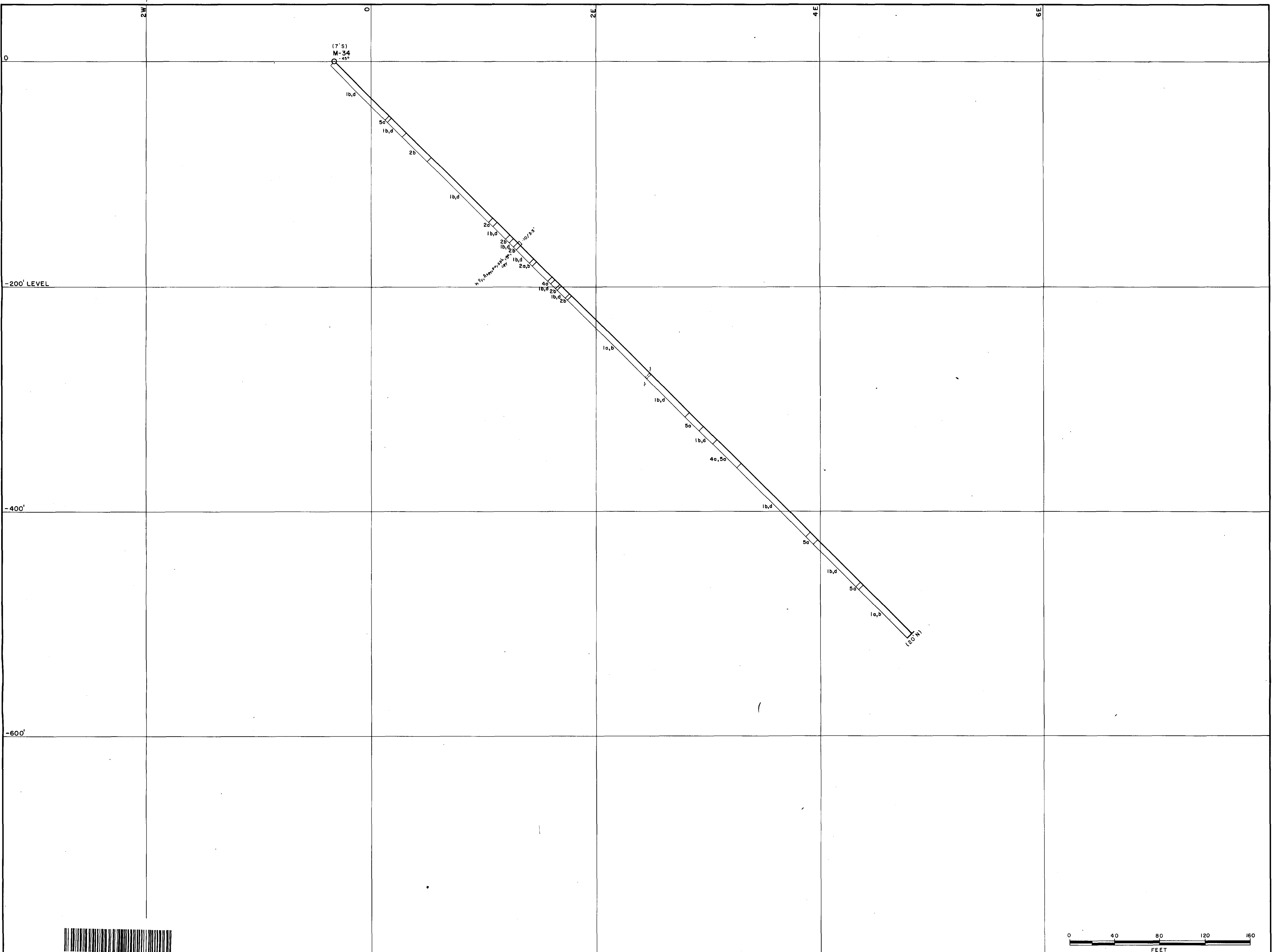
**SABINA INDUSTRIES LTD.
AND M^C FINLEY MINES LTD.**
M^CFINLEY RED LAKE PROPERTY

BATEMAN TWP, RED LAKE AREA
DISTRICT OF KENORA, ONTARIO

SECTION 17+65S

M-39

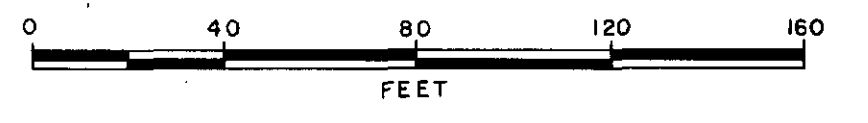
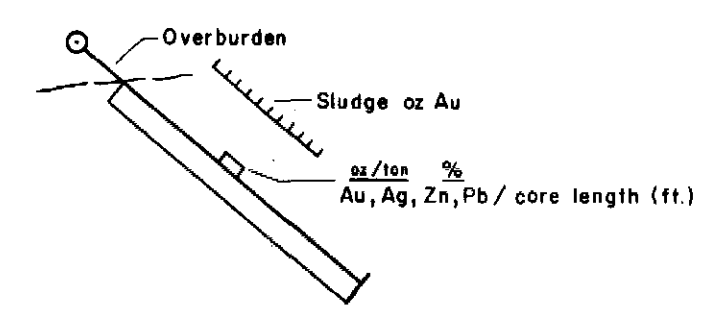
Date: Sept., /82 By: / gmes Map No:



350

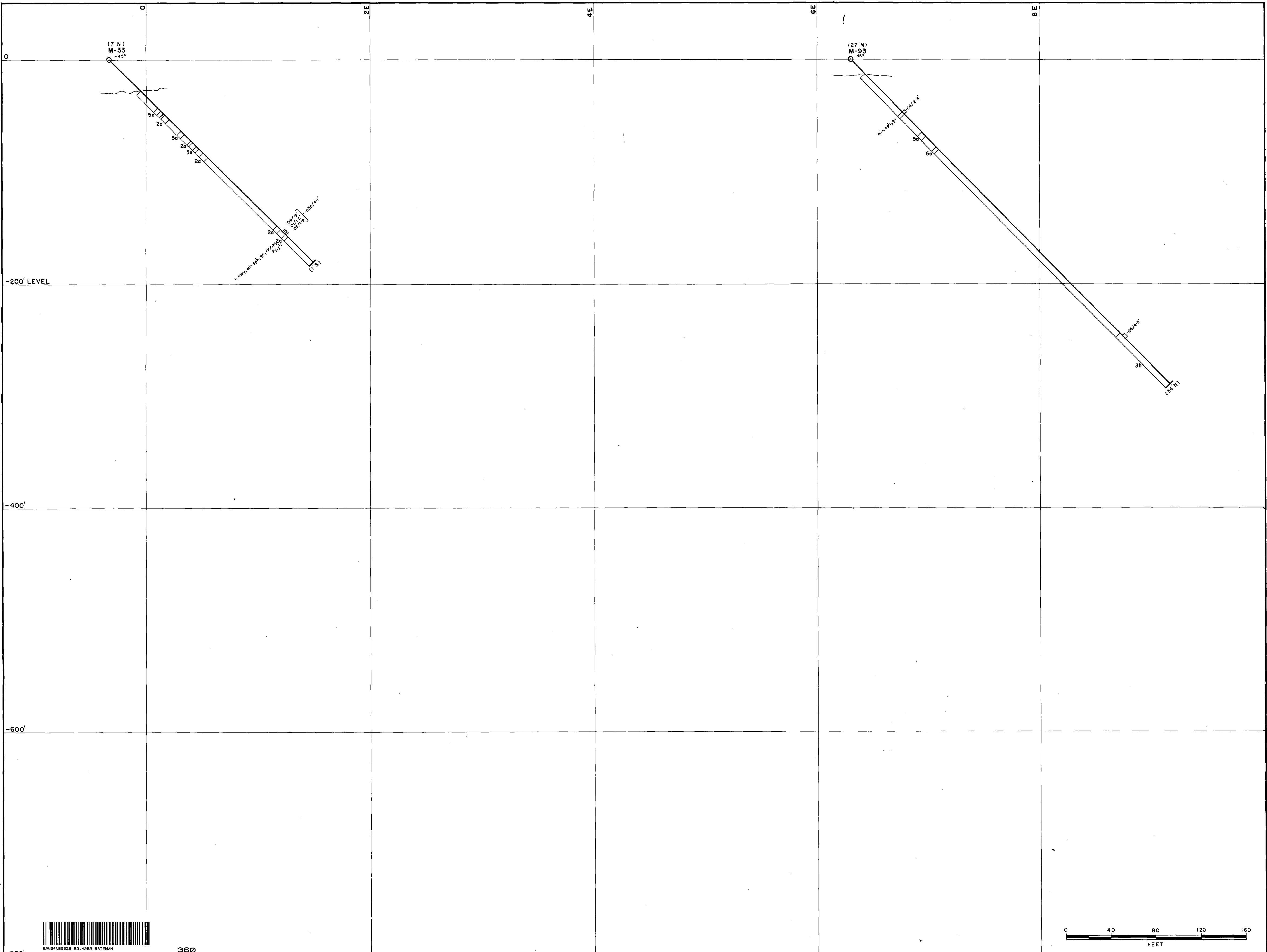
L E G E N D

<p>1a Green, massive andesite</p> <p>1b Schistose andesite, chlorite schist</p> <p>1c Chlorite - amphibole schist, dioritic andesite</p> <p>1d Brown biotite - chlorite schist</p> <p>1e Dark grey cherty andesite, silicified and carbonatized</p> <p>2a Layered iron formation, garnetiferous</p> <p>2b Cherty layered iron formation</p> <p>2c Argillite, slate, sericite-chlorite - phyllite and schist</p>	<p>2d Carbonaceous argillite, graphitic schist, locally garnetiferous</p> <p>3a Peridotite, meta-hornblende</p> <p>3b Carbonate - chlorite - amphibole - talc schist</p> <p>4a Quartz and/or feldspar porphyry</p> <p>4b Green to grey sericitic schist, sericitic quartz porphyry</p> <p>4c Aplite</p> <p>4d Granite</p> <p>4e Granodiorite</p>	<p>5a Diorite</p> <p>5b Diabase, basalt</p> <p>5c Lamprophyre</p> <p>5e Chlorite - amphibole schist</p> <p>Au Gold</p> <p>Ag Silver</p> <p>sph(Zn) sphalerite (Zinc %)</p> <p>gal(Pb) galena (Lead %)</p> <p>cpy(Cu) chalcopyrite (Copper %)</p> <p>Aspy arsenopyrite</p>	<p>s.c. Carbonatization - slightly</p> <p>m.c. - moderately</p> <p>h.c. - strongly</p> <p>qcv - quartz carbonate vein</p> <p>s.s. Silicification - slightly</p> <p>m.s. - moderately</p> <p>h.s. - strongly</p> <p>M Amygdaloidal (feldspar, quartz, carbonate)</p> <p>VG Visible Gold</p> <p>bx breccia</p> <p>Py pyrite</p> <p>po pyrrhotite</p>	<p>Sul Sulphides</p> <p>mass massive</p> <p>h heavy</p> <p>min minor</p> <p>Shearing</p>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------

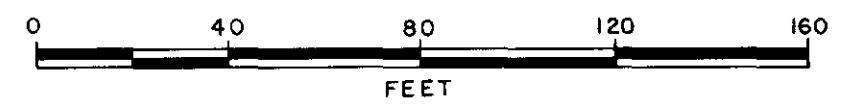


**SABINA INDUSTRIES LTD.
AND McFINLEY MINES LTD.**
MCFINLEY RED LAKE PROPERTY
BATEMAN TWP., RED LAKE AREA
DISTRICT OF KENORA, ONTARIO
SECTION 15+65 S
M-34
Date: Sept./82 By: / gmes Map No:

63-4282



360



L E G E N D

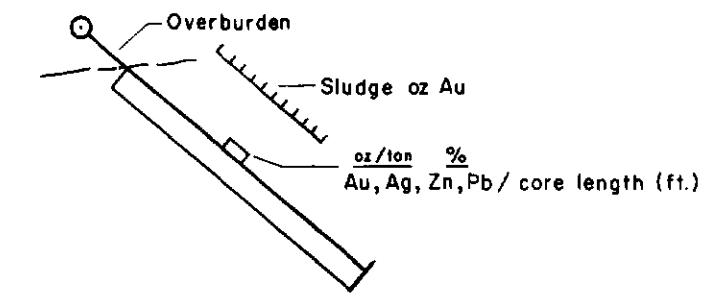
- 1a Green, massive andesite
- 1b Schistose andesite, chlorite schist
- 1c Chlorite - amphibole schist, dioritic andesite
- 1d Brown biotite - chlorite schist
- 1e Dark grey cherty andesite, silicified and carbonatized
- 2a Layered iron formation, garnetiferous
- 2b Cherty layered iron formation
- 2c Argillite, slate, sericite-chlorite - phyllite and schist

- 2d Carbonaceous argillite, graphitic schist, locally garnetiferous
- 3a Peridotite, meta-hornblendite
- 3b Carbonate - chlorite - amphibole - talc schist
- 4a Quartz and/or feldspar porphyry
- 4b Green to grey sericitic schist, sericitic quartz porphyry
- 4c Aplite
- 4d Granite
- 4e Granodiorite

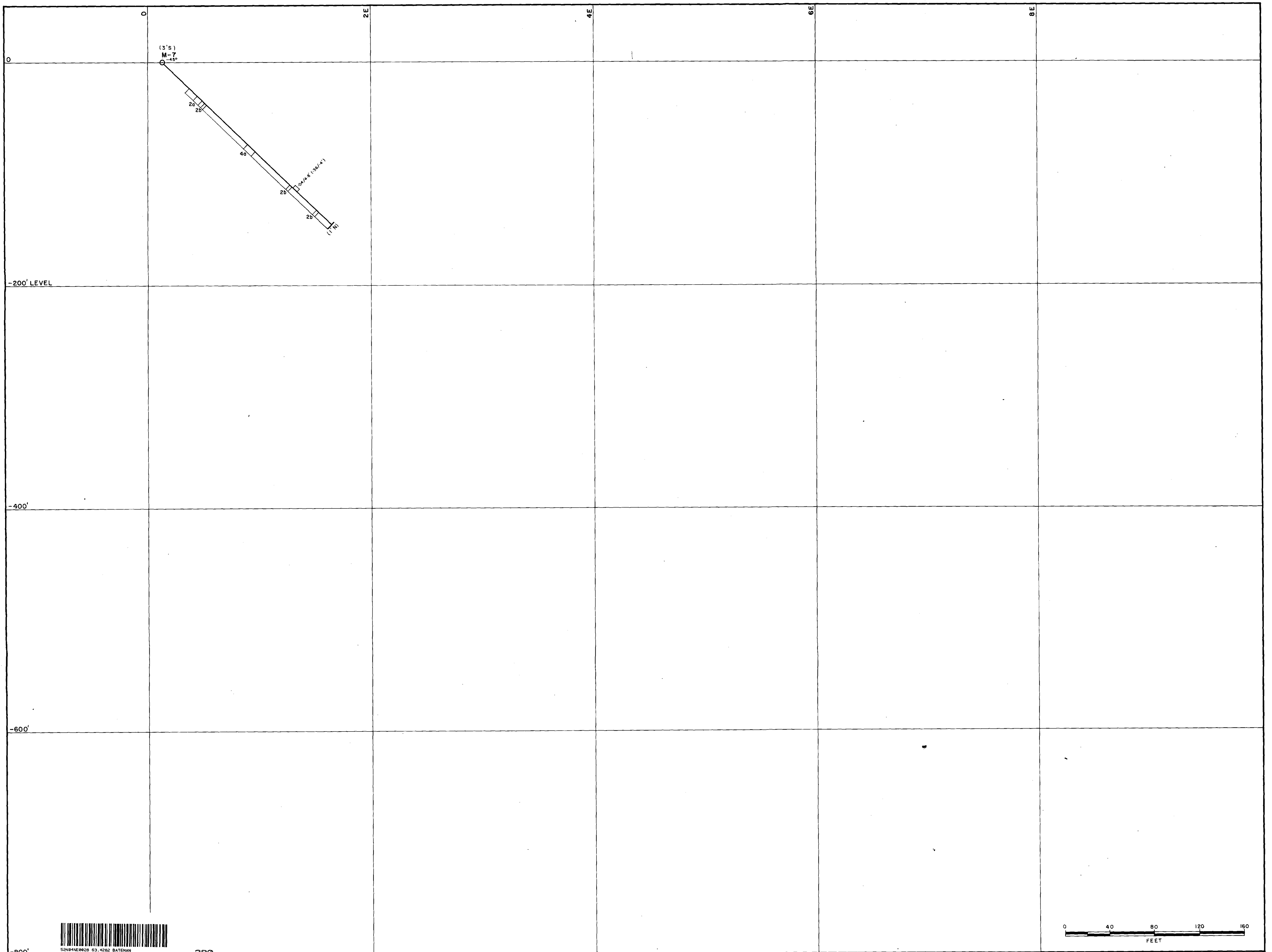
- 5a Diorite
- 5b Diabase, basalt
- 5c Lamprophyre
- 5e Chlorite - amphibole schist
- Au Gold
- Ag Silver
- sph(Zn) sphalerite (Zinc %)
- gal(Pb) galena (Lead %)
- cpy(Cu) chalcopyrite (Copper %)
- Aspy arsenopyrite

- s.c. Carbonatization - slightly
- m.c. - moderately
- h.c. - strongly
- qcv - quartz carbonate vein
- s.s. Silicification - slightly
- m.s. - moderately
- h.s. - strongly
- M Amygdaloidal (feldspar, quartz, carbonate)
- VG Visible Gold
- bx breccia
- Py pyrite
- po pyrrhotite

- Sul Sulphides
- mass massive
- h heavy
- min minor
- Shearing



**SABINA INDUSTRIES LTD.
AND McFINLEY MINES LTD.**
McFINLEY RED LAKE PROPERTY
BATEMAN TWP, RED LAKE AREA
DISTRICT OF KENORA, ONTARIO
SECTION 14+90S
M 33, M-93
Date: Sept., /82 By: / gmes Map No:



380

L E G E N D

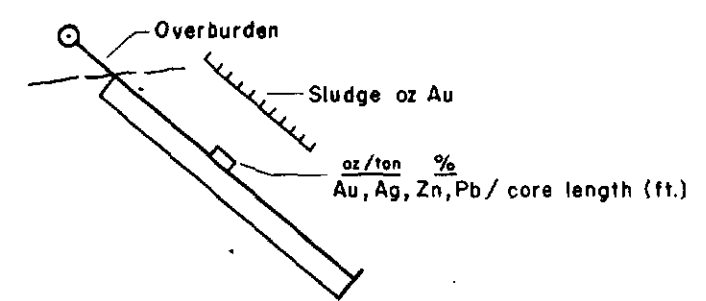
- 1a Green, massive andesite
- 1b Schistose andesite, chlorite schist
- 1c Chlorite - amphibole schist, dioritic andesite
- 1d Brown biotite - chlorite schist
- 1e Dark grey cherty andesite, silicified and carbonatized
- 2a Layered iron formation, garnetiferous
- 2b Cherty layered iron formation
- 2c Argillite, slate, sericite-chlorite - phyllite and schist

- 2d Carbonaceous argillite, graphitic schist, locally garnetiferous
- 3a Peridotite, meta-hornblendite
- 3b Carbonate - chlorite - amphibole - talc schist
- 4a Quartz and/or feldspar porphyry
- 4b Green to gray sericitic schist, sericitic quartz porphyry
- 4c Aplite
- 4d Granite
- 4e Granodiorite

- 5a Diorite
- 5b Diabase, basalt
- 5c Lamprophyre
- 5e Chlorite - amphibole schist
- Au Gold
- Ag Silver
- sph(Zn) sphalerite (Zinc %)
- gal(Pb) galena (Lead %)
- cpy(Cu) chalcopyrite (Copper %)
- Aspy arsenopyrite

- s.c. Carbonatization - slightly
- m.c. - moderately
- h.c. - strongly
- acv - quartz carbonate vein
- s.s. Silicification - slightly
- m.s. - moderately
- h.s. - strongly
- M Amygdaloidal (feldspar, quartz, carbonate)
- VG Visible Gold
- bx breccia
- Py pyrite
- po pyrrotite

- Sul Sulphides
- mass massive
- h heavy
- min minor
- Shearing



**SABINA INDUSTRIES LTD.
AND McFINLEY MINES LTD.**
McFINLEY RED LAKE PROPERTY

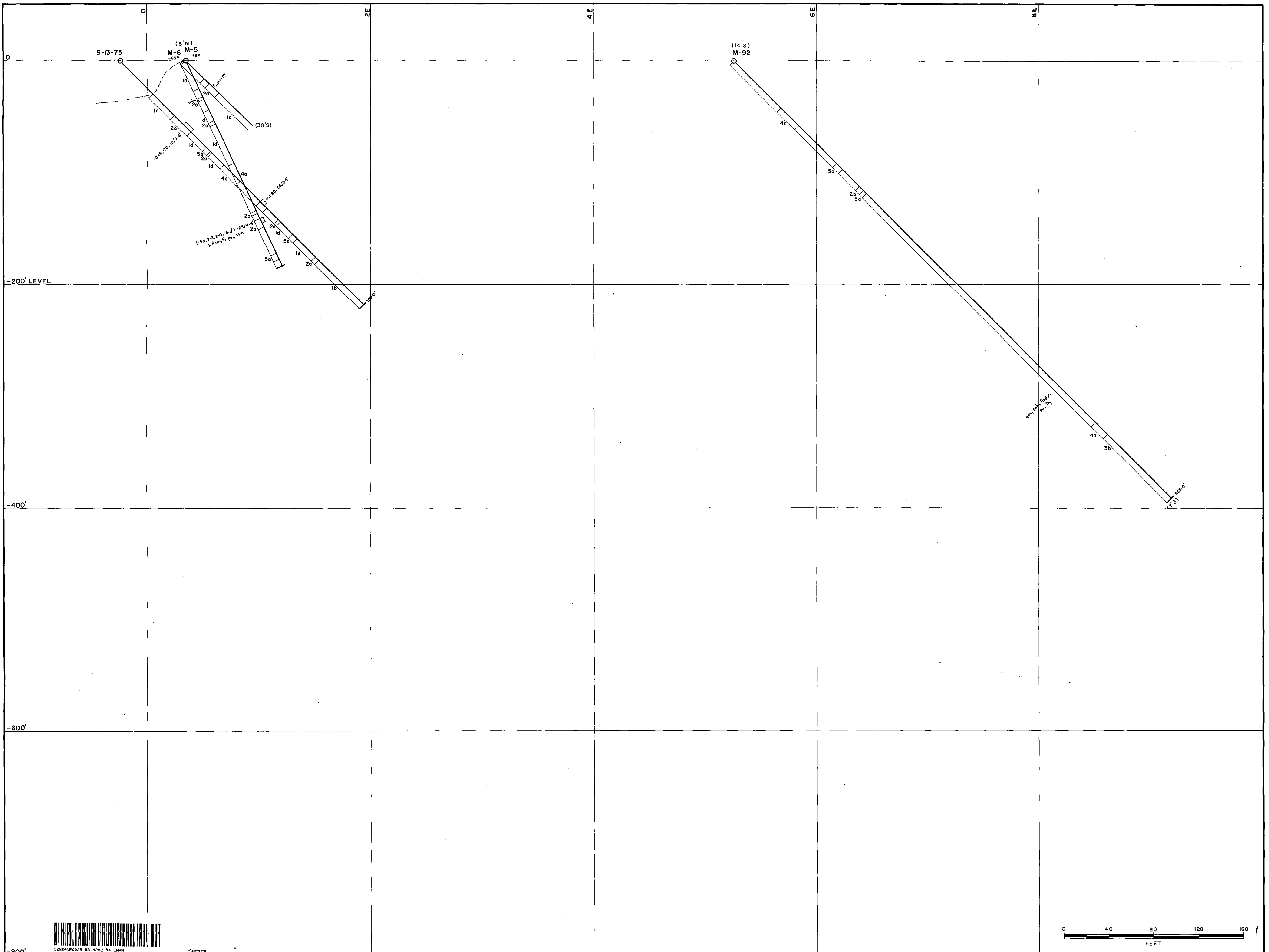
BATEMAN TWP, RED LAKE AREA
DISTRICT OF KENORA, ONTARIO

SECTION 13+60S

M-7

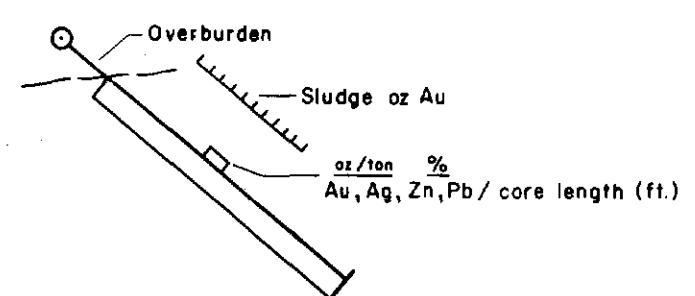
Date: Sept./82 By: / gmes Map No:

63-4282



L E G E N D

<p>1a Green, massive andesite</p> <p>1b Schistose andesite, chlorite schist</p> <p>1c Chlorite - amphibole schist, dioritic andesite</p> <p>1d Brown biotite - chlorite schist</p> <p>1e Dark grey cherty andesite, silicified and carbonatized</p> <p>2a Layered iron formation, garnetiferous</p> <p>2b Cherty layered iron formation</p> <p>2c Argillite, slate, sericite-chlorite - phyllite and schist</p>	<p>2d Carbonaceous argillite, graphitic schist, locally garnetiferous</p> <p>3a Peridotite, meta-hornblendite</p> <p>3b Carbonate - chlorite - amphibole - talc schist</p> <p>4a Quartz and/or feldspar porphyry</p> <p>4b Green to grey sericitic schist, sericitic quartz porphyry</p> <p>4c Aplite</p> <p>4d Granite</p> <p>4e Granodiorite</p>	<p>5a Diorite</p> <p>5b Diabase, basalt</p> <p>5c Lamprophyre</p> <p>5e Chlorite - amphibole schist</p> <p>Au Gold</p> <p>Ag Silver</p> <p>sph(Zn) sphalerite (Zinc %)</p> <p>gal(Pb) galena (Lead %)</p> <p>cpy(Cu) chalcopyrite (Copper %)</p> <p>Aspy arsenopyrite</p>	<p>s.c. Carbonatization - slightly</p> <p>m.c. - moderately</p> <p>h.c. - strongly</p> <p>qcv - quartz carbonate vein</p> <p>s.s. Silicification - slightly</p> <p>m.s. - moderately</p> <p>h.s. - strongly</p> <p>M Amygdaloidal (feldspar, quartz, carbonate)</p> <p>VG Visible Gold</p> <p>bx breccia</p> <p>Py pyrite</p> <p>po pyrrholite</p>	<p>Sul Sulphides</p> <p>mass massive</p> <p>h heavy</p> <p>min minor</p> <p>Shearing</p>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------



**SABINA INDUSTRIES LTD.
AND M^C FINLEY MINES LTD.**

M^C FINLEY RED LAKE PROPERTY

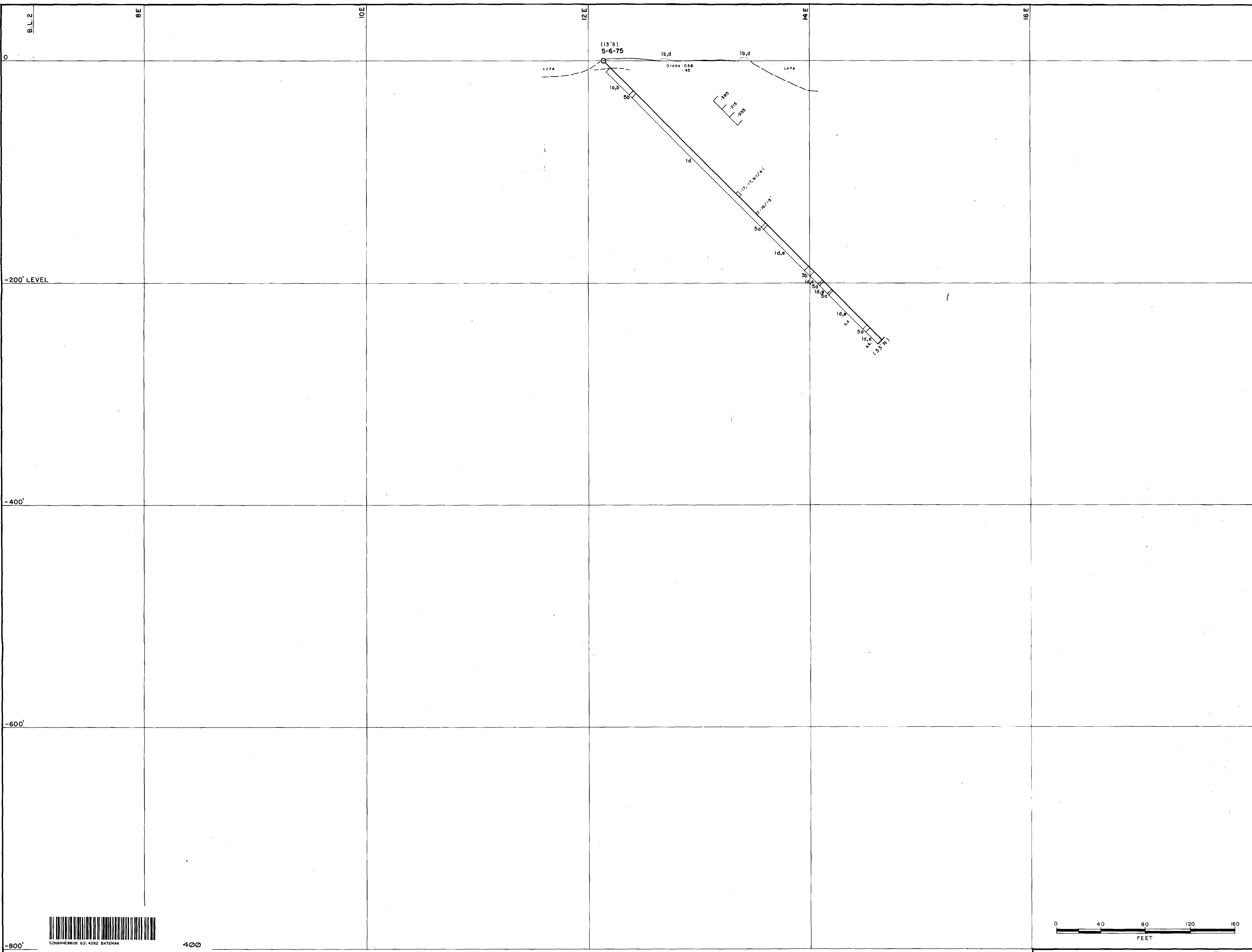
BATEMAN TWP, RED LAKE AREA
DISTRICT OF KENORA, ONTARIO

SECTION 13+00S

S-13-75, M-92, M-5, M-6

Date: Sept., /82 By: / gmes Map No:

63-4282



400

L E G E N D

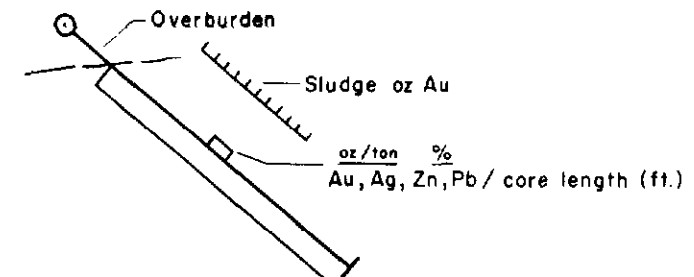
- 1a Green, massive andesite
- 1b Schistose andesite, chlorite schist
- 1c Chlorite - amphibole schist, dioritic andesite
- 1d Brown biotite - chlorite schist
- 1e Dark grey cherty andesite, silicified and carbonatized
- 2a Layered iron formation, garnetiferous
- 2b Cherty layered iron formation
- 2c Argillite, slate, sericite-chlorite - phyllite and schist

- 2d Carbonaceous argillite, graphitic schist, locally garnetiferous
- 3a Peridotite, meta-hornblendite
- 3b Carbonate - chlorite - amphibole - talc schist
- 4a Quartz and/or feldspar porphyry
- 4b Green to grey sericitic schist, sericitic quartz porphyry
- 4c Aplite
- 4d Granite
- 4e Granodiorite

- 5a Diorite
- 5b Diabase, basalt
- 5c Lamprophyre
- 5e Chlorite - amphibole schist
- Au Gold
- Ag Silver
- sph(Zn) sphalerite (Zinc %)
- gal(Pb) galena (Lead %)
- cpy(Cu) chalcopyrite (Copper %)
- Aspy arsenopyrite

- s.c. Carbonatization - slightly
- m.c. - moderately
- h.c. - strongly
- qcv - quartz carbonate vein
- s.s. Silicification - slightly
- m.s. - moderately
- h.s. - strongly
- M Amygdaloidal (feldspar, quartz, carbonate)
- VG Visible Gold
- bx breccia
- Py pyrite
- po pyrrolite

- Sul Sulphides
- mass massive
- h heavy
- min minor
- Shearing



**SABINA INDUSTRIES LTD.
AND M^C FINLEY MINES LTD.**

M^C FINLEY RED LAKE PROPERTY

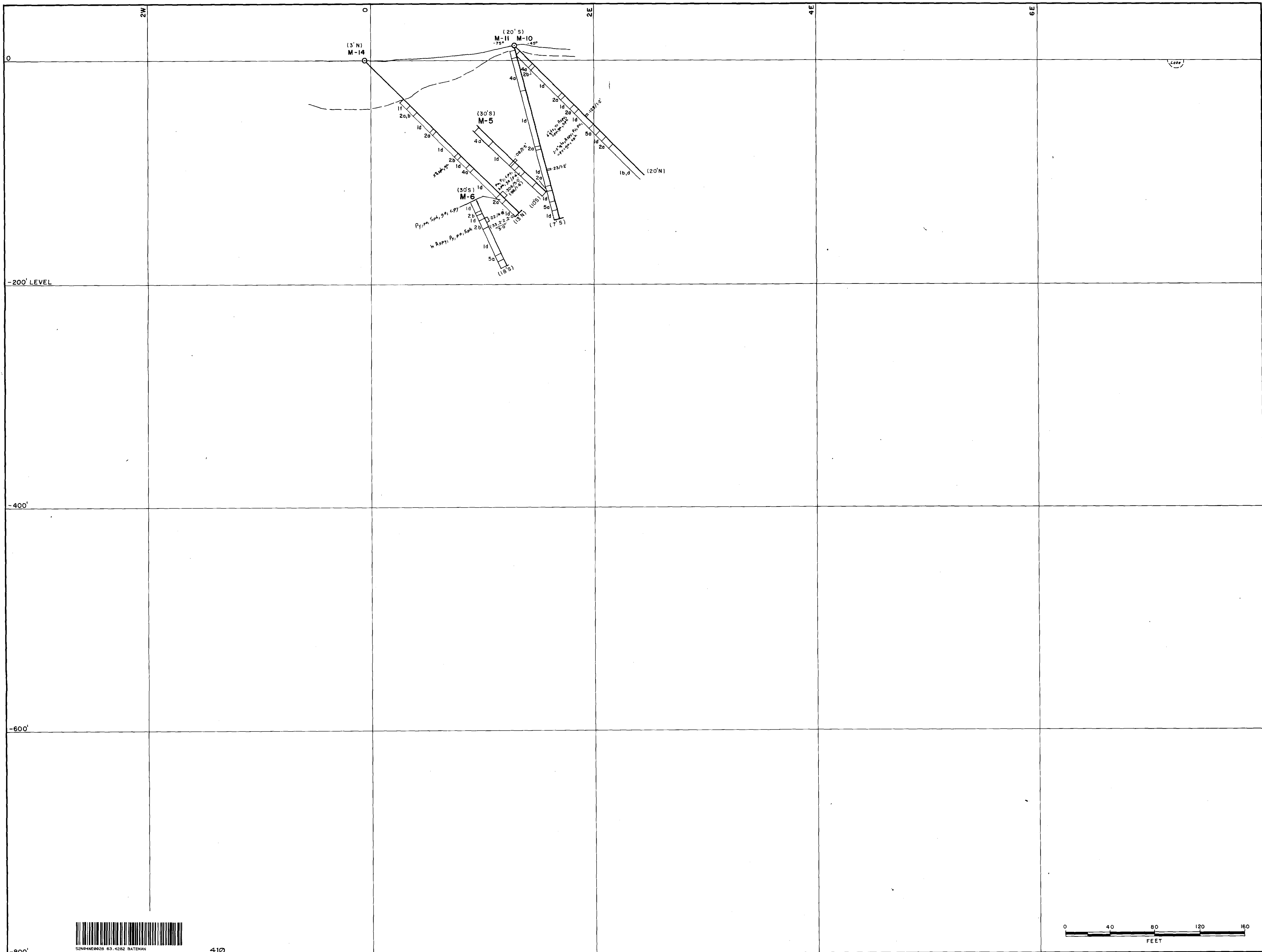
BATEMAN TWP, RED LAKE AREA
DISTRICT OF KENORA, ONTARIO
B.L.-2

SECTION 13+00S

S-6-75

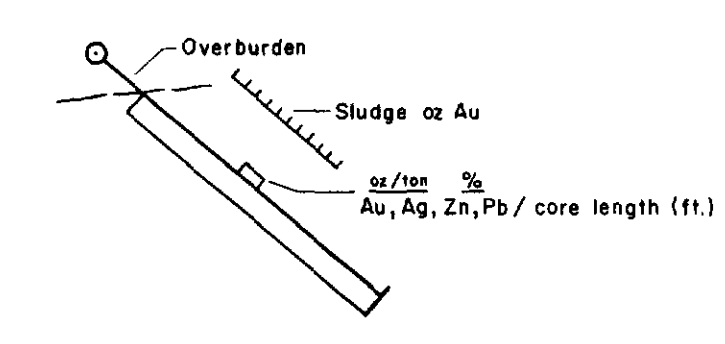
Date: Sept./82 By: / gmes Map No:

63-4282



L E G E N D

1a Green, massive andesite	2d Carbonaceous argillite, graphitic schist, locally garnetiferous	5a Diorite	s.c. Carbonatization - slightly	Sul Sulphides
1b Schistose andesite, chlorite schist	3a Peridotite, meta-hornblendite	5b Diabase, basalt	m.c. - moderately	mass massive
1c Chlorite - amphibole schist, dioritic andesite	3b Carbonate - chlorite - amphibole - talc schist	5c Lamprophyre	h.c. - strongly	h heavy
1d Brown biotite - chlorite schist	4a Quartz and/or feldspar porphyry	5e Chlorite - amphibole schist	qc.v. - quartz carbonate vein	min minor
1e Dark grey cherty andesite, silicified and carbonatized	4b Green to grey sericitic schist, sericitic quartz porphyry	Au Gold	s.s. Silicification - slightly	Shearing
2a Layered iron formation, garnetiferous	4c Aplite	Ag Silver	m.s. - moderately	
2b Cherty layered iron formation	4d Granite	sph(Zn) sphalerite (Zinc %)	h.s. - strongly	
2c Argillite, slate, sericite-chlorite - phyllite and schist	4e Grandiorite	gal(Pb) galena (Lead %)	M Amygdaloidal (feldspar, quartz, carbonate)	
		cpy(Cu) chalcopyrite (Copper %)	VG Visible Gold	
		Aspy arsenopyrite	bx breccia	
			Py pyrite	
			po pyrrolite	



**SABINA INDUSTRIES LTD.
AND M^C FINLEY MINES LTD.**

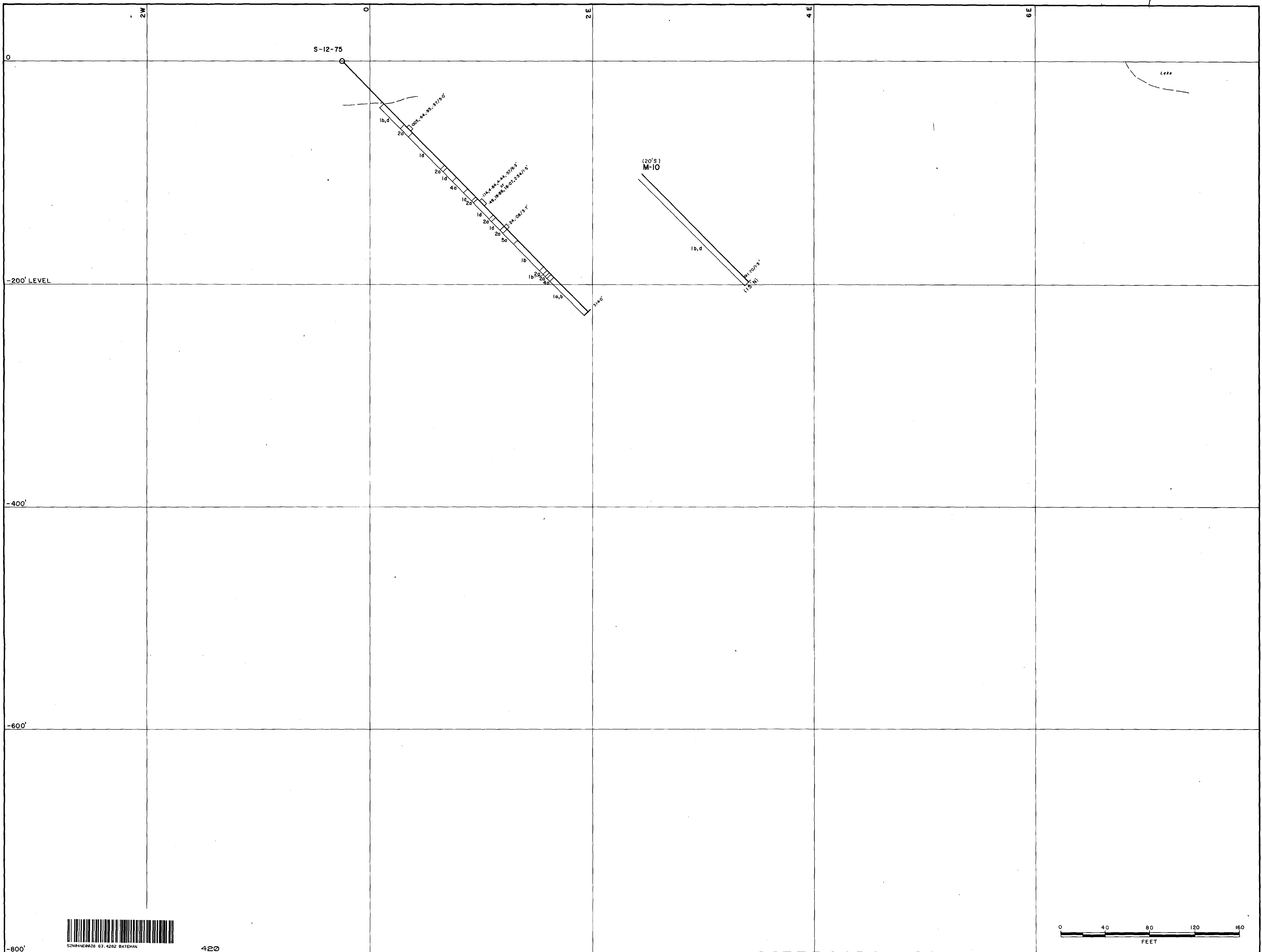
M^C FINLEY RED LAKE PROPERTY

BATEMAN TWP, RED LAKE AREA
DISTRICT OF KENORA, ONTARIO

SECTION 12+40S
M-14, M-10, M-11

Date: Sept., /82 By: / gmes Map No:

63-4282



420

L E G E N D

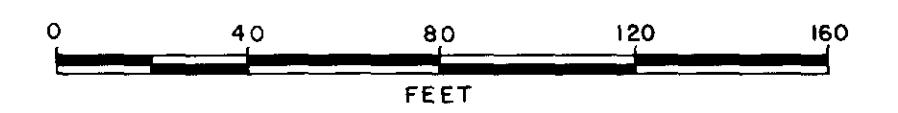
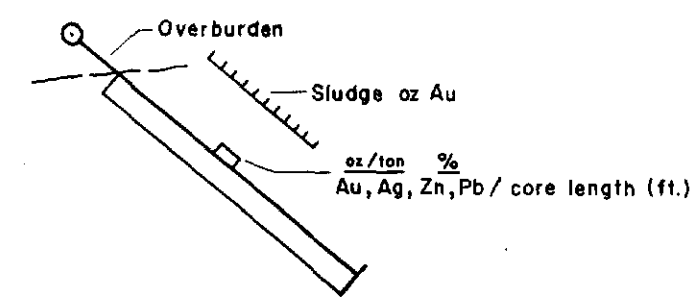
- 1a Green, massive andesite
- 1b Schistose andesite, chlorite schist
- 1c Chlorite - amphibole schist, dioritic andesite
- 1d Brown biotite - chlorite schist
- 1e Dark grey cherty andesite, silicified and carbonatized
- 2a Layered iron formation, garnetiferous
- 2b Cherty layered iron formation
- 2c Argillite, slate, sericite-chlorite - phyllite and schist

- 2d Carbonaceous argillite, graphitic schist, locally garnetiferous
- 3a Peridotite, meta-hornblendite
- 3b Carbonate - chlorite - amphibole - talc schist
- 4a Quartz and/or feldspar porphyry
- 4b Green to grey sericitic schist, sericitic quartz porphyry
- 4c Aplite
- 4d Granite
- 4e Granodiorite

- 5a Diorite
- 5b Diabase, basalt
- 5c Lamprophyre
- 5e Chlorite - amphibole schist
- Au Gold
- Ag Silver
- sph(Zn) sphalerite (Zinc %)
- gal(Pb) galena (Lead %)
- cpy(Cu) chalcopyrite (Copper %)
- Aspy arsenopyrite

- s.c. Carbonatization - slightly
- m.c. - moderately
- h.c. - strongly
- qcw - quartz carbonate vein
- ss Silicification - slightly
- m.s. - moderately
- h.s. - strongly
- M Amygdaloidal (feldspar, quartz, carbonate)
- VG Visible Gold
- bx breccia
- Py pyrite
- po pyrrhotite

- Sul Sulphides
- mass massive
- h heavy
- min minor
- Shearing



**SABINA INDUSTRIES LTD.
AND M^C FINLEY MINES LTD.**
M^CFINLEY RED LAKE PROPERTY

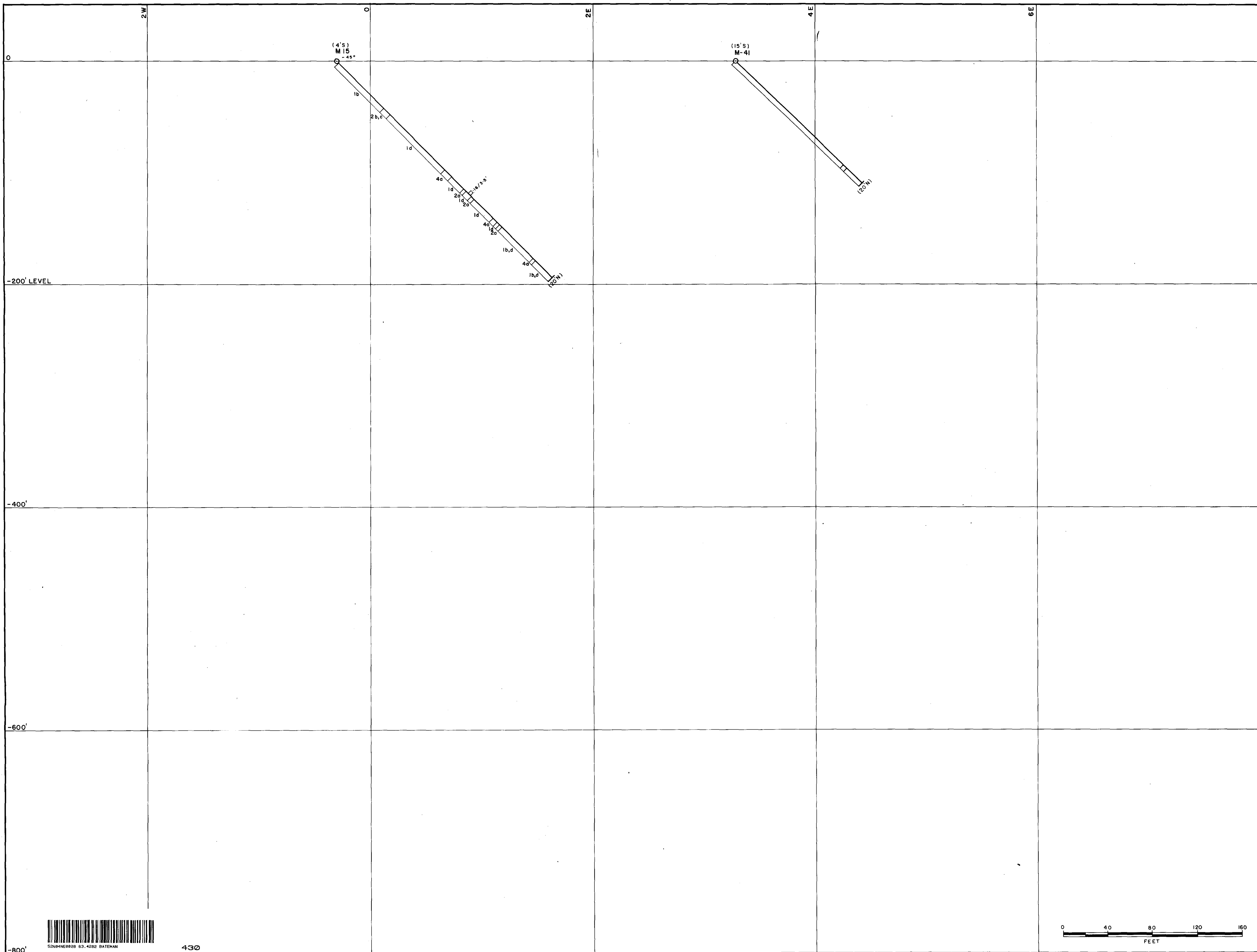
BATEMAN TWP, RED LAKE AREA
DISTRICT OF KENORA, ONTARIO

SECTION 12+00S

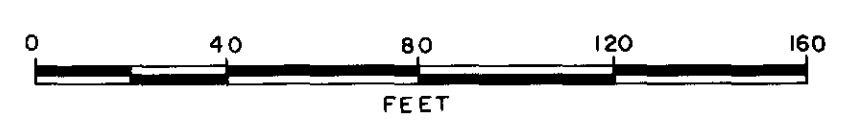
S-12-75

Date: Sept, /82 By: / gmes Map No:

63.4282



430



- 1a Green, massive andesite
- 1b Schistose andesite, chlorite schist
- 1c Chlorite - amphibole schist, dioritic andesite
- 1d Brown biotite - chlorite schist
- 1e Dark grey cherty andesite, silicified and carbonatized
- 2a Layered iron formation, garnetiferous
- 2b Cherty layered iron formation
- 2c Argillite, slate, sericite-chlorite - phyllite and schist

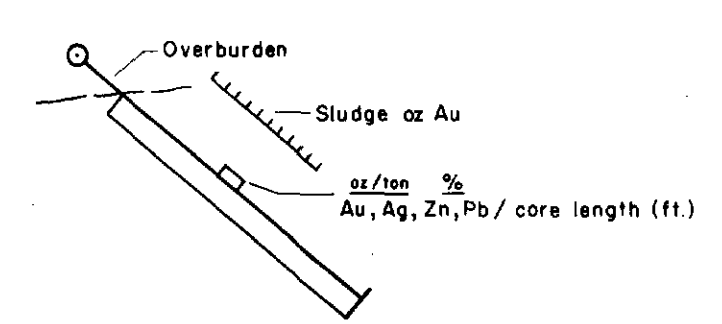
- 2d Carbonaceous argillite, graphitic schist, locally garnetiferous
- 3a Peridotite, meta-hornblendite
- 3b Carbonate - chlorite - amphibole - talc schist
- 4a Quartz and/or feldspar porphyry
- 4b Green to grey sericitic schist, sericitic quartz porphyry
- 4c Aplite
- 4d Granite
- 4e Granodiorite

L E G E N D

- 5a Diorite
- 5b Diabase, basalt
- 5c Lamprophyre
- 5e Chlorite - amphibole schist
- Au Gold
- Ag Silver
- sph(Zn) sphalerite (Zinc %)
- gal(Pb) galena (Lead %)
- cpy(Cu) chalcopyrite (Copper %)
- Aspy arsenopyrite

- s.c. Carbonatization - slightly
- m.c. - moderately
- h.c. - strongly
- qcw - quartz carbonate vein
- s.s. Silicification - slightly
- m.s. - moderately
- h.s. - strongly
- M Amygdaloidal (feldspar, quartz, carbonate)
- V.G. Visible Gold
- bx breccia
- Py pyrite
- po pyrrolite

- Sul Sulphides
- mass massive
- h heavy
- min minor
- Shearing



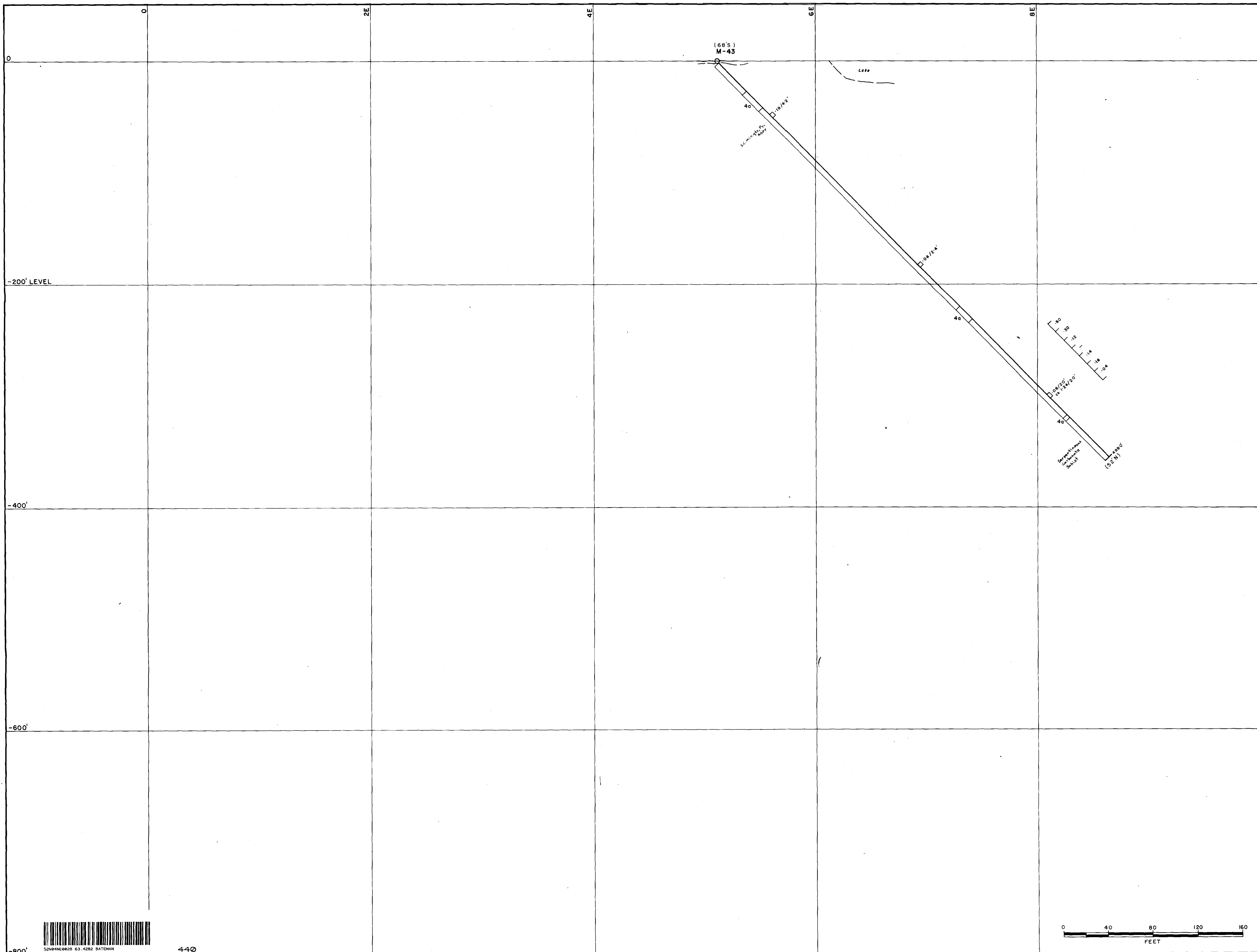
**SABINA INDUSTRIES LTD.
AND M^C FINLEY MINES LTD.**
M^CFINLEY RED LAKE PROPERTY

BATEMAN TWP, RED LAKE AREA
DISTRICT OF KENORA, ONTARIO

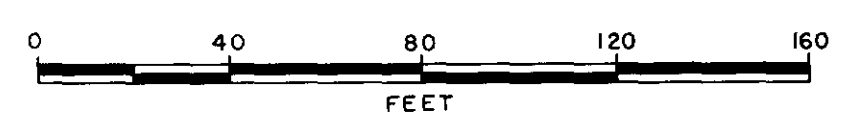
SECTION 11+70S
M-15, M-41

63.4282

Date: Sept., /82 By: / gmes Map No:

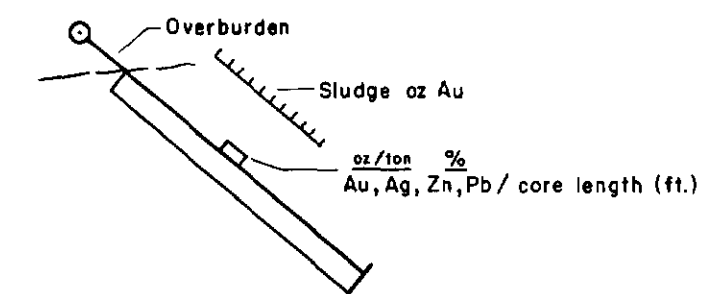


440



L E G E N D

1a Green, massive andesite	2d Carbonaceous argillite, graphitic schist, locally garnetiferous	5a Diorite	s.c. Carbonatization - slightly	Sul Sulphides
1b Schistose andesite, chlorite schist	3a Peridotite, meta-hornblendite	5b Diabase, basalt	m.c. - moderately	mass massive
1c Chlorite - amphibole schist, dioritic andesite	3b Carbonate - chlorite - amphibole - talc schist	5c Lamprophyre	h.c. - strongly	h heavy
1d Brown biotite - chlorite schist	4a Quartz and/or feldspar porphyry	5e Chlorite - amphibole schist	qcv - quartz carbonate vein	min minor
1e Dark grey cherty andesite, silicified and carbonatized	4b Green to gray sericitic schist, sericitic quartz porphyry	Au Gold	s.s. Silicification - slightly	--- Shearing
2a Layered iron formation, garnetiferous	4c Aplite	Ag Silver	m.s. - moderately	
2b Cherty layered iron formation	4d Granite	sph(Zn) sphalerite (Zinc %)	h.s. - strongly	
2c Argillite, slate, sericite-chlorite - phyllite and schist	4e Granodiorite	gp(Pb) galena (Lead %)	M Amygdaloidal (feldspar, quartz, carbonate)	
		cpy(Cu) chalcopyrite (Copper %)	VG Visible Gold	
		Aspy arsenopyrite	bx breccia	
			Py pyrite	
			po pyrrhotite	



**SABINA INDUSTRIES LTD.
AND M^C FINLEY MINES LTD.**
M^C FINLEY RED LAKE PROPERTY

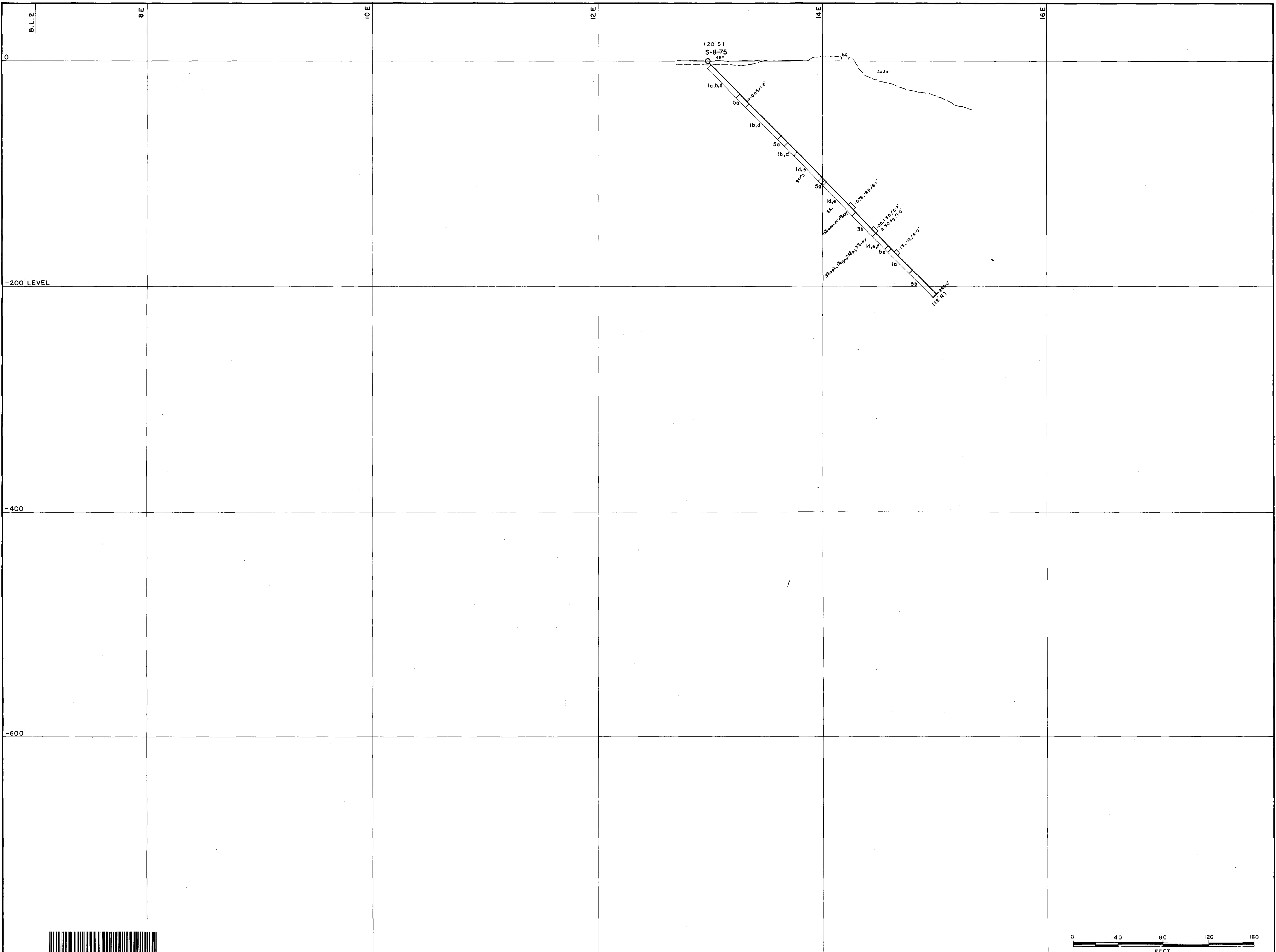
BATEMAN TWP., RED LAKE AREA
DISTRICT OF KENORA, ONTARIO

SECTION 10+50S

M-43

Date: Sept./82 By: / gmes Map No:

63-4282



460

L E G E N D

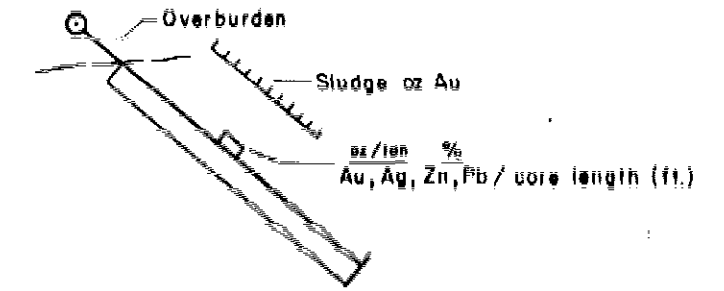
- 1a Green, massive andesite
- 1b Schistose andesite, chlorite schist
- 1c Chlorite - amphibole schist, dioritic andesite
- 1d Brown biotite - chlorite schist
- 1e Dark grey cherty andesite, silicified and carbonatized
- 2a Layered iron formation, garnetiferous
- 2b Cherty layered iron formation
- 2c Argillite, slate, sericite-chlorite - phyllite and schist

- 3a Carbonaceous argillite, graphitic schist, locally garnetiferous
- 3b Peridotite, meta-hornblende
- 3c Carbonate - chlorite - amphibole - talc schist
- 3d Quartz and/or feldspar porphyry
- 4a Green to grey sericitic schist, sericitic quartz porphyry
- 4b Aplite
- 4c Granite
- 4d Granodiorite

- 5a Diorite
- 5b Diabase, basalt
- 5c Lamprophyre
- 5d Chlorite - amphibole schist
- Au Gold
- Ag Silver
- sph(Zn) sphalerite (Zinc %)
- gal(Pb) galena (Lead %)
- cpy(Cu) chalcopyrite (Copper %)
- Aspy arsenopyrite

- s.c Carbonatization - slightly
- m.c - moderately
- h.c - strongly
- SEV = quartz carbonate vein
- ss Silicification - slightly
- m.s. - moderately
- h.s. - strongly
- M Amygdaloidal (feldspar, quartz, carbonate)
- VG Visible Gold
- bx breccia
- Py pyrite
- pyrrhyllite

- Sul Sulphides
- moss massive
- h heavy
- min minor
- shearing shearing



**SABINA INDUSTRIES LTD.
AND McFINLEY MINES LTD.**

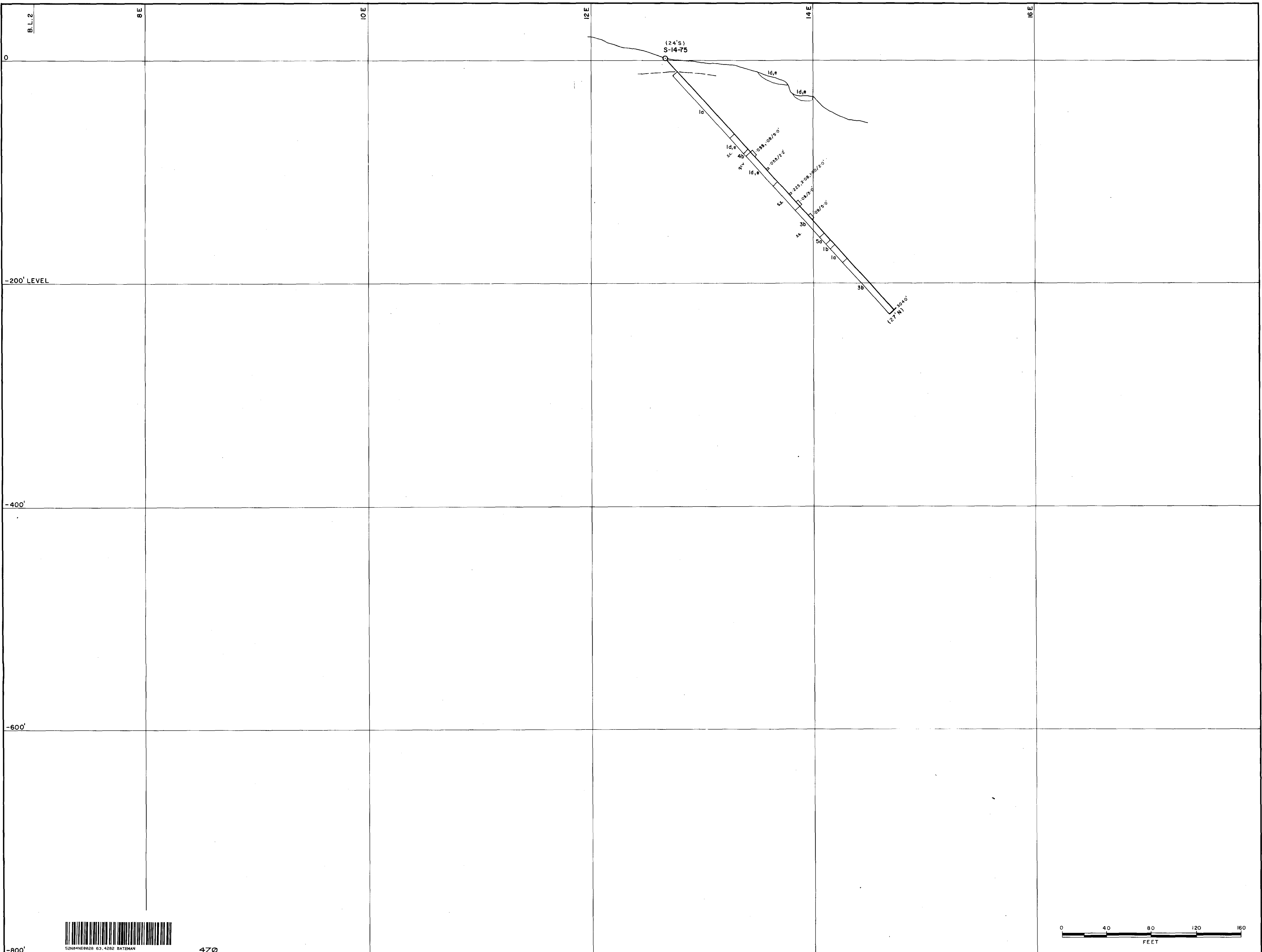
McFINLEY RED LAKE PROPERTY

BATEMAN TWP, RED LAKE AREA
DISTRICT OF KENORA, ONTARIO

SECTION 10+30S

S-8-75

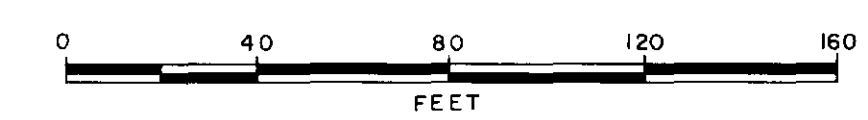
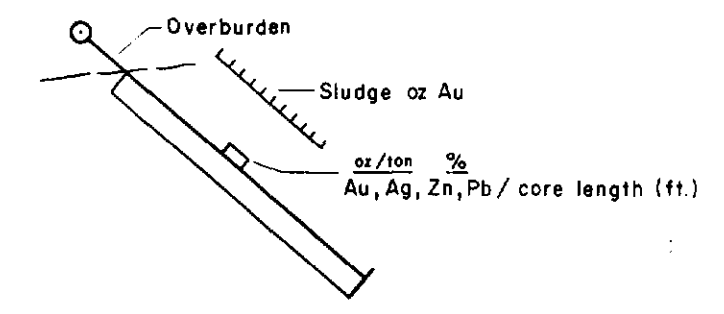
Date: Sept. 1988 BY: JGM/MS Map No:



470

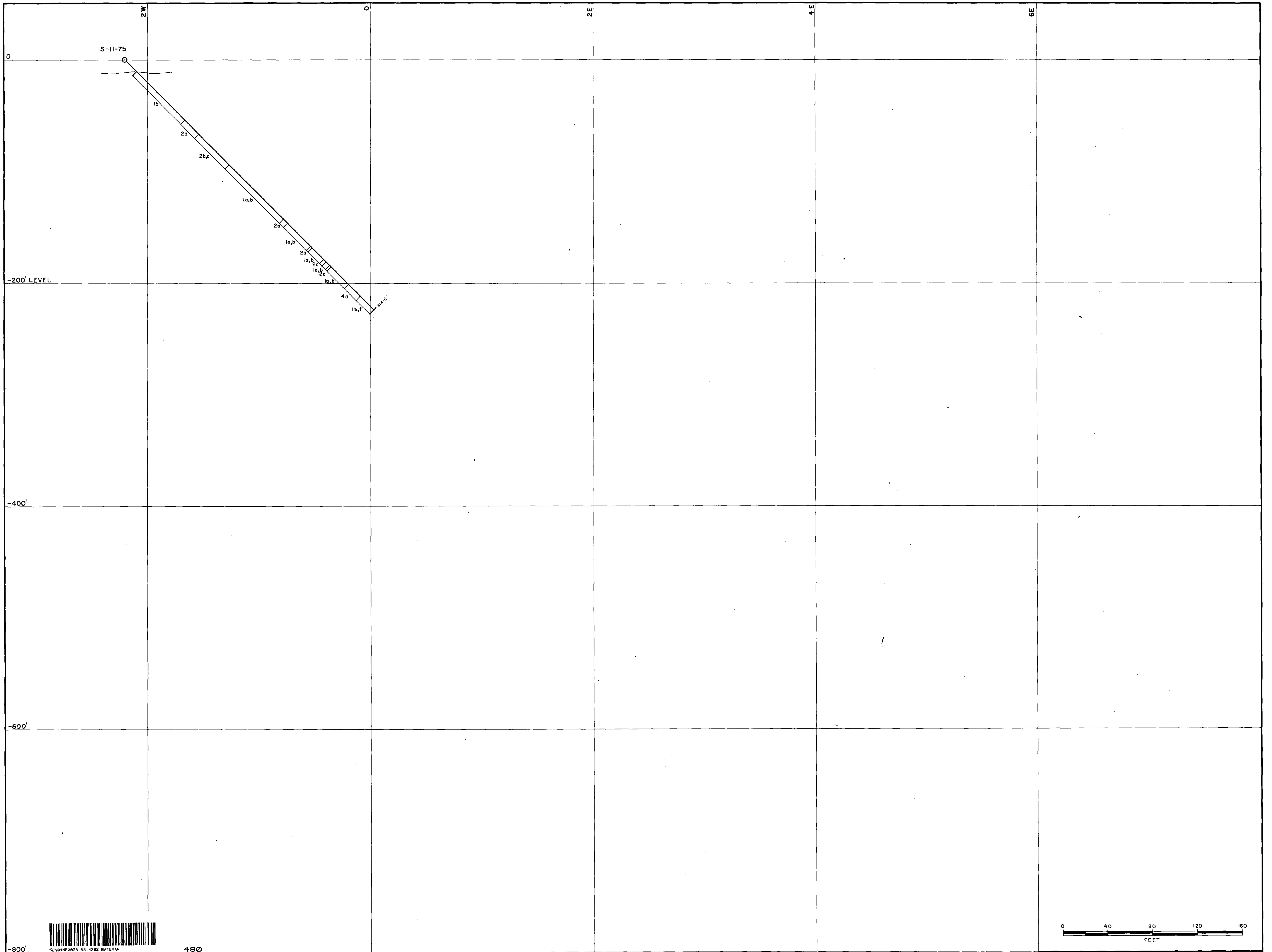
L E G E N D

1a Green, massive andesite	2d Carbonaceous argillite, graphitic schist, locally garnetiferous	5a Diorite
1b Schistose andesite, chlorite schist	3a Peridotite, meta-hornblendite	5b Diabase, basalt
1c Chlorite - amphibole schist, dioritic andesite	3b Carbonate - chlorite - amphibole - talc schist	5c Lamprophyre
1d Brown biotite - chlorite schist	4a Quartz and/or feldspar porphyry	5e Chlorite - amphibole schist
1e Dark grey cherty andesite, silicified and carbonatized	4b Green to grey sericitic schist, sericitic quartz porphyry	Au Gold
2a Layered iron formation, garnetiferous	4c Aplite	Ag Silver
2b Cherty layered iron formation	4d Granite	sph(Zn) sphalerite (Zinc %)
2c Argillite, slate, sericite-chlorite - phyllite and schist	4e Granodiorite	gal(Pb) galena (Lead %)
		cpy(Cu) chalcopyrite (Copper %)
		Aspy arsenopyrite
		s.c. Carbonatization - slightly
		m.c. - moderately
		h.c. - strongly
		qcw - quartz carbonate vein
		s.s. Silicification - slightly
		m.s. - moderately
		h.s. - strongly
		M Amygdaloidal (feldspar, quartz, carbonate)
		VG Visible Gold
		bx breccia
		Py pyrite
		po pyrrhotite
		Sul Sulphides
		mass massive
		h heavy
		min minor
		Shearing



**SABINA INDUSTRIES LTD.
AND McFINLEY MINES LTD.**
McFINLEY RED LAKE PROPERTY
BATEMAN TWP, RED LAKE AREA
DISTRICT OF KENORA, ONTARIO
B.L.2
SECTION 9+00S
S-14-75
Date: Sept, /82 By: / gmes Map No:

63-4282



480



L E G E N D

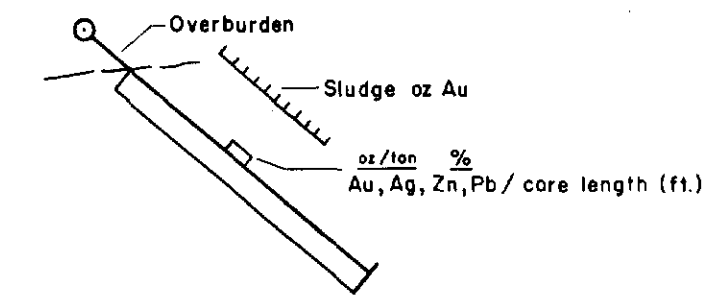
- 1a Green, massive andesite
- 1b Schistose andesite, chlorite schist
- 1c Chlorite - amphibole schist, dioritic andesite
- 1d Brown biotite - chlorite schist
- 1e Dark grey cherty andesite, silicified and carbonatized
- 2a Layered iron formation, garnetiferous
- 2b Cherty layered iron formation
- 2c Argillite, slate, sericite-chlorite - phyllite and schist

- 2d Carbonaceous argillite, graphitic schist, locally garnetiferous
- 3a Peridotite, meta-hornblende
- 3b Carbonate-chlorite - amphibole - talc schist
- 4a Quartz and/or feldspar porphyry
- 4b Green to grey sericitic schist, sericitic quartz porphyry
- 4c Aplite
- 4d Granite
- 4e Granodiorite

- 5a Diorite
- 5b Diabase, basalt
- 5c Lamprophyre
- 5e Chlorite - amphibole schist
- Au Gold
- Ag Silver
- sph(Zn) sphalerite (Zinc %)
- gal(Pb) galena (Lead %)
- cpy(Cu) chalcopyrite (Copper %)
- Aspy arsenopyrite

- s.c. Carbonatization - slightly
- m.c. - moderately
- h.c. - strongly
- qv. quartz carbonate vein
- s.s. Silicification - slightly
- m.s. - moderately
- h.s. - strongly
- M Amygdaloidal (feldspar, quartz, carbonate)
- V.G. Visible Gold
- bx breccia
- Py pyrite
- po pyrrhotite

- Sul Sulphides
- mass massive
- h heavy
- min minor
- Shearing



**SABINA INDUSTRIES LTD.
AND M^C FINLEY MINES LTD.**

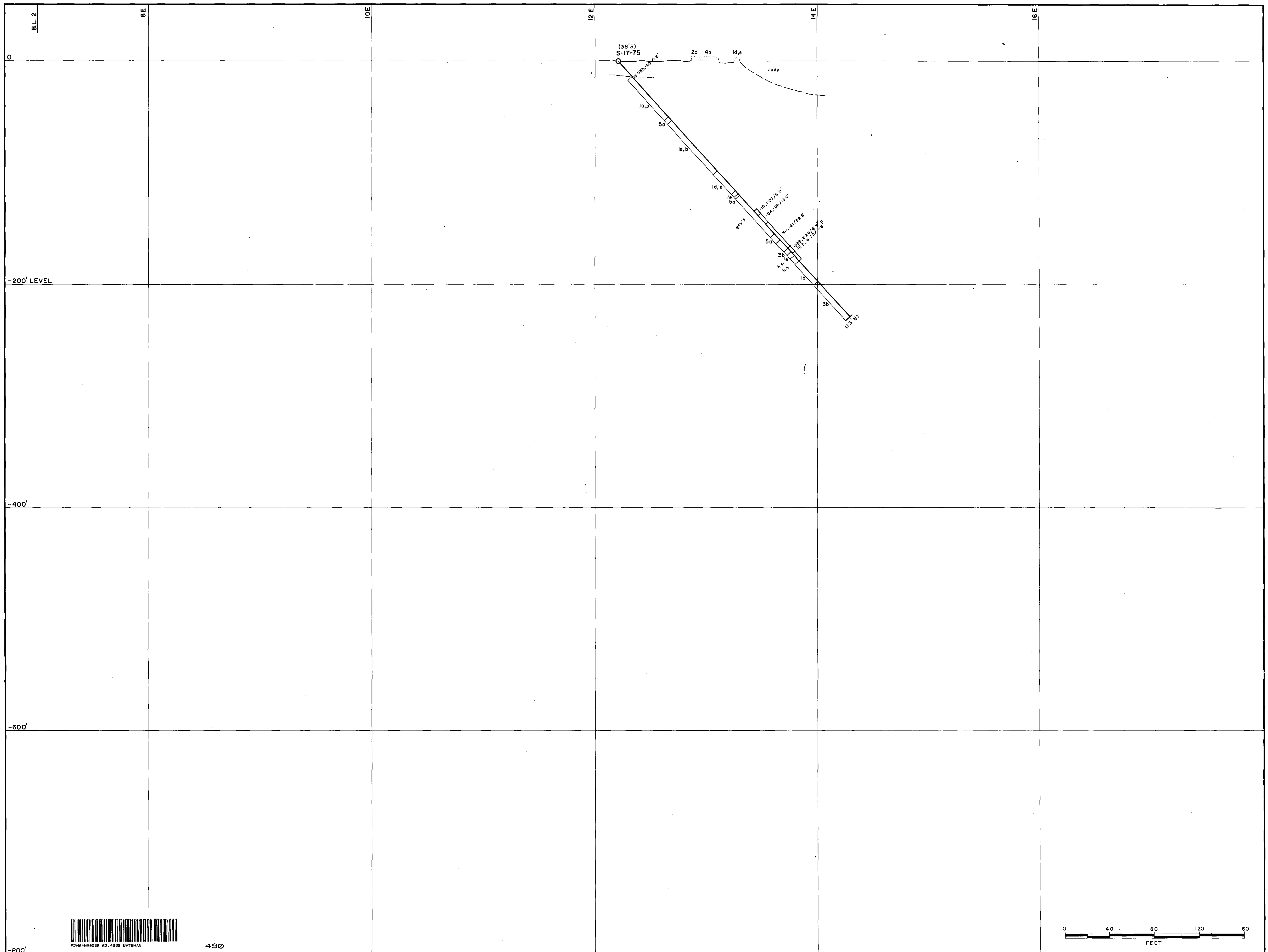
M^C FINLEY RED LAKE PROPERTY

BATEMAN TWP, RED LAKE AREA
DISTRICT OF KENORA, ONTARIO

SECTION 9+00S

S-11-75

Date: Sept., /82 By: / gmes Map No:



490

L E G E N D

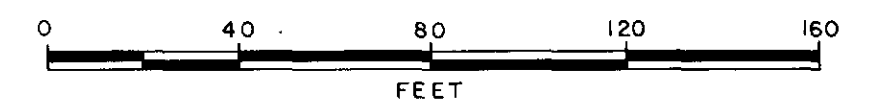
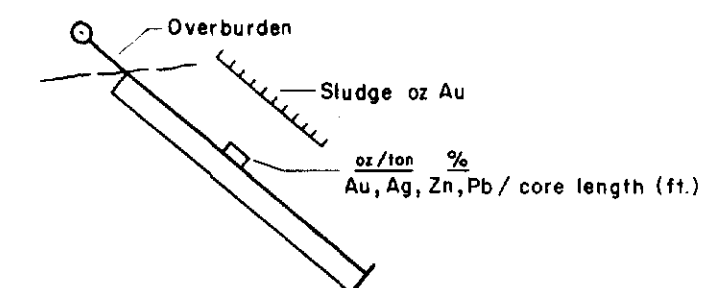
- 1a Green, massive andesite
- 1b Schistose andesite, chlorite schist
- 1c Chlorite - amphibole schist, dioritic andesite
- 1d Brown biotite - chlorite schist
- 1e Dark grey cherty andesite, silicified and carbonatized
- 2a Layered iron formation, garnetiferous
- 2b Cherty layered iron formation
- 2c Argillite, slate, sericite-chlorite - phyllite and schist

- 2d Carbonaceous argillite, graphitic schist, locally garnetiferous
- 3a Peridotite, meta-hornblendite
- 3b Carbonate - chlorite - amphibole - talc schist
- 4a Quartz and/or feldspar porphyry
- 4b Green to grey sericitic schist, sericitic quartz porphyry
- 4c Aplite
- 4d Granite
- 4e Granodiorite

- 5a Diorite
- 5b Diabase, basalt
- 5c Lamprophyre
- 5e Chlorite - amphibole schist
- Au Gold
- Ag Silver
- sph(Zn) sphalerite (Zinc %)
- gal(Pb) galena (Lead %)
- cpy(Cu) chalcocopyrite (Copper %)
- Aspy arsenopyrite

- s.c. Carbonatization - slightly
- m.c. - moderately
- h.c. - strongly
- qcw - quartz carbonate vein
- s.s. Silicification - slightly
- m.s. - moderately
- h.s. - strongly
- M Amygdaloidal (feldspar, quartz, carbonate)
- VG Visible Gold
- bx breccia
- Py pyrite
- po pyrrhotite

- Sul Sulphides
- mass massive
- h heavy
- min minor
- Shearing



**SABINA INDUSTRIES LTD.
AND McFINLEY MINES LTD.**
McFINLEY RED LAKE PROPERTY

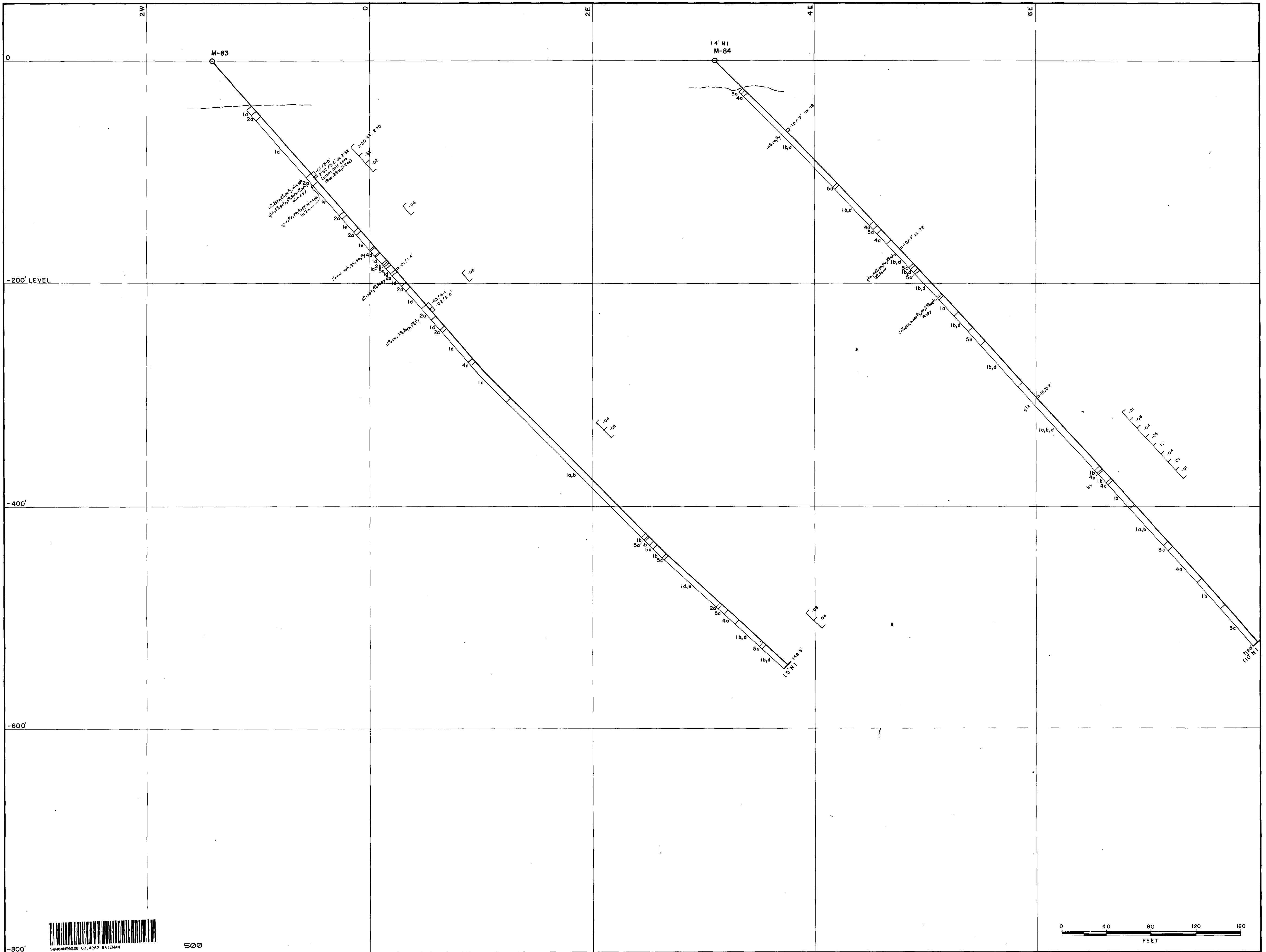
BATEMAN TWP., RED LAKE AREA
DISTRICT OF KENORA, ONTARIO

B.L. 2
SECTION 8+10 S

S-17-75

Date: Sept./82 By: / gmes. Map No:

63-4282



L E G E N D

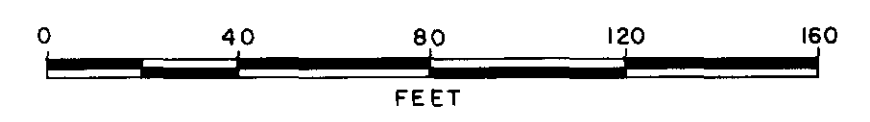
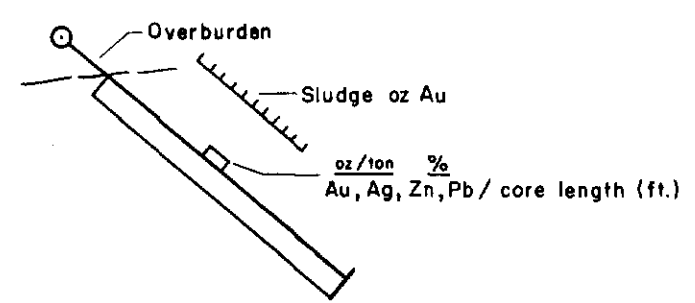
- 1a Green, massive andesite
- 1b Schistose andesite, chlorite schist
- 1c Chlorite - amphibole schist, dioritic andesite
- 1d Brown biotite - chlorite schist
- 1e Dark grey cherty andesite, silicified and carbonatized
- 2a Layered iron formation, garnetiferous
- 2b Cherty layered iron formation
- 2c Argillite, slate, sericite-chlorite - phyllite and schist

- 2d Carbonaceous argillite, graphitic schist, locally garnetiferous
- 3a Peridotite, meta-hornblende
- 3b Carbonate - chlorite - amphibole - talc schist
- 4a Quartz and/or feldspar porphyry
- 4b Green to grey sericitic schist, sericitic quartz porphyry
- 4c Aplite
- 4d Granite
- 4e Granodiorite

- 5a Diorite
- 5b Diabase, basalt
- 5c Lamprophyre
- 5e Chlorite - amphibole schist
- Au Gold
- Ag Silver
- sph(Zn) sphalerite (Zinc %)
- gal(Pb) galena (Lead %)
- cpy(Cu) chalcopyrite (Copper %)
- Aspy arsenopyrite

- s.c. Carbonatization - slightly
- m.c. - moderately
- h.c. - strongly
- qcv - quartz carbonate vein
- s.s. Silicification - slightly
- m.s. - moderately
- h.s. - strongly
- M Amygdaloidal (feldspar, quartz, carbonate)
- VG Visible Gold
- bx breccia
- Py pyrite
- po pyrrotite

- Sul Sulphides
- mass massive
- h heavy
- min minor
- Shearing



**SABINA INDUSTRIES LTD.
AND M^C FINLEY MINES LTD.**

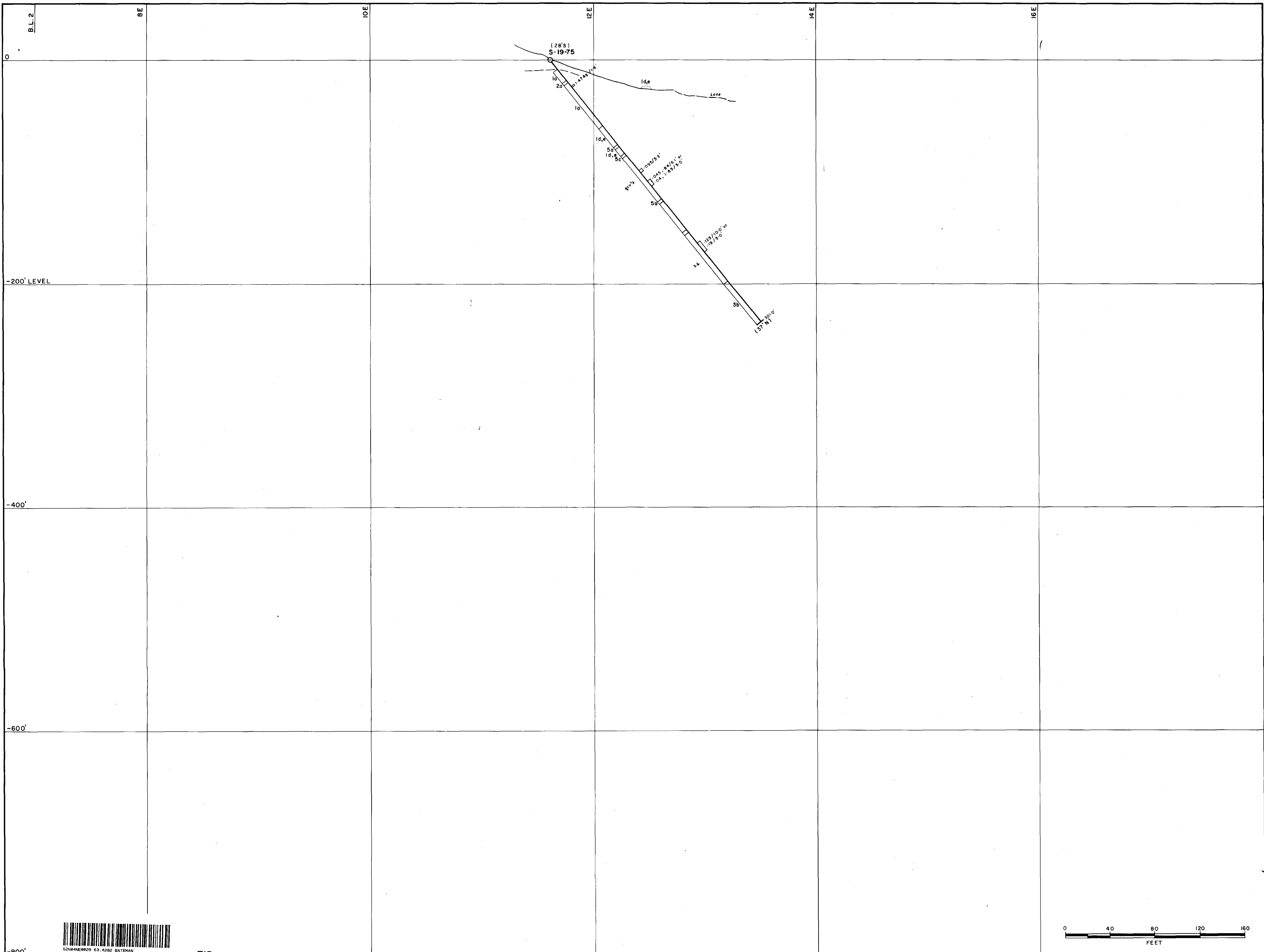
M^CFINLEY RED LAKE PROPERTY

BATEMAN TWP, RED LAKE AREA
DISTRICT OF KENORA, ONTARIO

SECTION 8+10S

M-83, M-84

Date: Sept., /82 By: / gmes Map No:



510

L E G E N D

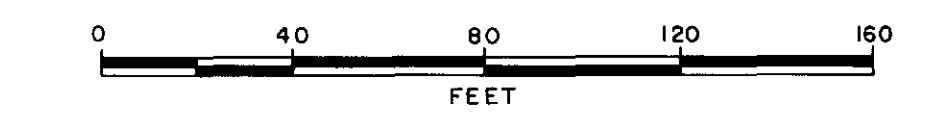
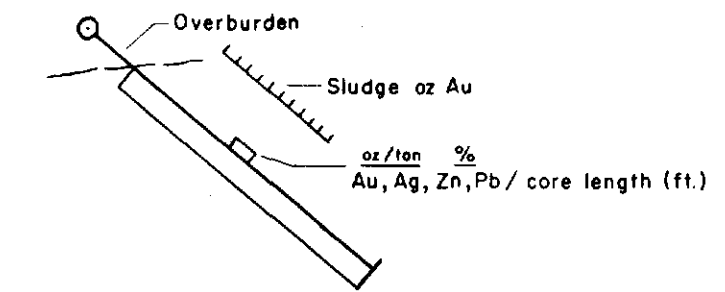
- 1a Green, massive andesite
- 1b Schistose andesite, chlorite schist
- 1c Chlorite - amphibole schist, dioritic andesite
- 1d Brown biotite - chlorite schist
- 1e Dark grey cherty andesite, silicified and carbonatized
- 2a Layered iron formation, garnetiferous
- 2b Cherty layered iron formation
- 2c Argillite, slate, sericite - chlorite - phyllite and schist

- 3d Carbonaceous argillite, graphitic schist, locally garnetiferous
- 3a Peridotite, meta-hornblendite
- 3b Carbonate - chlorite - amphibole - talc schist
- 4a Quartz and/or feldspar porphyry
- 4b Green to grey sericitic schist, sericitic quartz porphyry
- 4c Aplite
- 4d Granite
- 4e Granodiorite

- 5a Diorite
- 5b Diabase, basalt
- 5c Lamprophyre
- 5e Chlorite - amphibole schist
- Au Gold
- Ag Silver
- sph(Zn) sphalerite (Zinc %)
- gal(Pb) galena (Lead %)
- cpy(Cu) chalcopyrite (Copper %)
- Aspy arsenopyrite

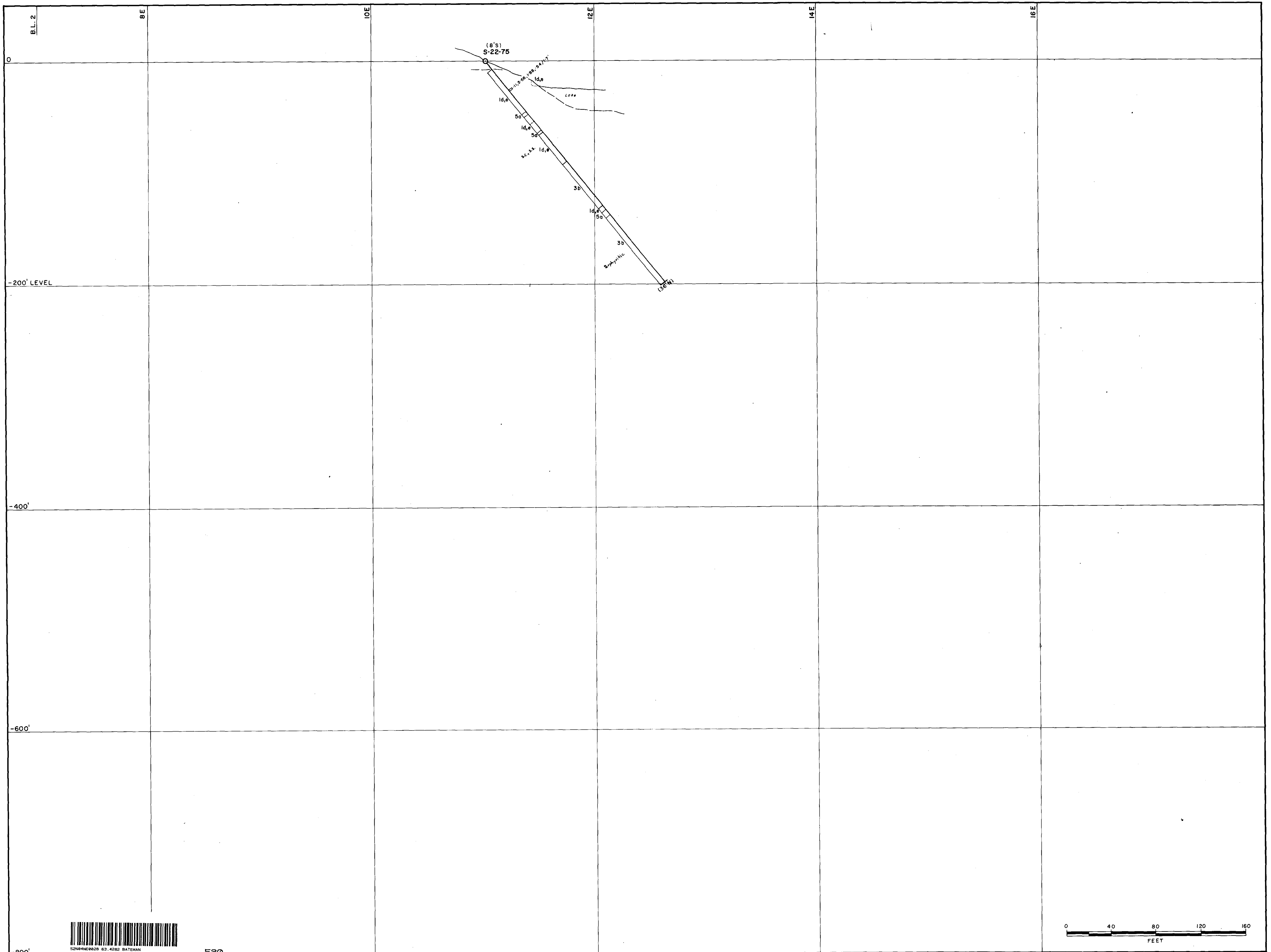
- s.c. Carbonatization - slightly
- m.c. - moderately
- h.c. - strongly
- qcv - quartz carbonate vein
- s.s. Silicification - slightly
- m.s. - moderately
- h.s. - strongly
- M Amygdaloidal (feldspar, quartz, carbonate)
- VG Visible Gold
- bx breccia
- Py pyrite
- po pyrrolite

- Sul Sulphides
- mass massive
- h heavy
- min minor
- strongly strongly



**SABINA INDUSTRIES LTD.
AND McFINLEY MINES LTD.**
McFINLEY RED LAKE PROPERTY
BATEMAN TWP, RED LAKE AREA
DISTRICT OF KENORA, ONTARIO
B.L. 2
SECTION 6+10S
S-19-75

Date: Sept., 82 By: / gmes Map No:



520

L E G E N D

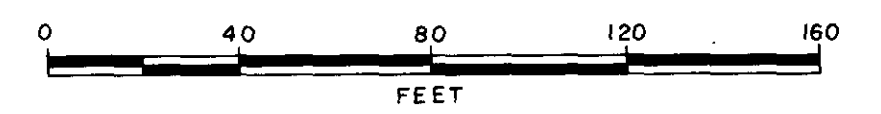
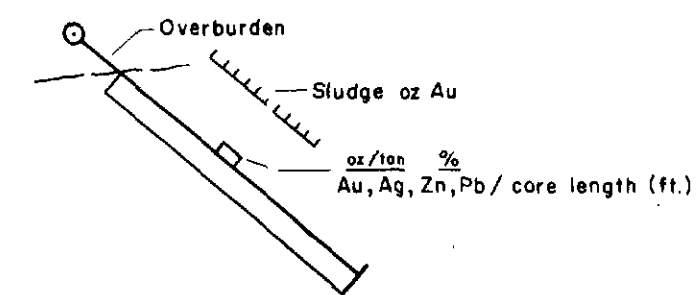
- 1a Green, massive andesite
- 1b Schistose andesite, chlorite schist
- 1c Chlorite - amphibole schist, dioritic andesite
- 1d Brown biotite - chlorite schist
- 1e Dark grey cherty andesite, silicified and carbonated
- 2a Layered iron formation, garnetiferous
- 2b Cherty layered iron formation
- 2c Argillite, slate, sericite-chlorite - phyllite and schist

- 2d Carbonaceous argillite, graphitic schist, locally garnetiferous
- 3a Peridotite, meta-hornblende
- 3b Carbonate - chlorite - amphibole - talc schist
- 4a Quartz and/or feldspar porphyry
- 4b Green to grey sericitic schist, sericitic quartz porphyry
- 4c Aplite
- 4d Granite
- 4e Granodiorite

- 5a Diorite
- 5b Diabase, basalt
- 5c Lamprophyre
- 5e Chlorite - amphibole schist
- Au Gold
- Ag Silver
- sph(Zn) sphalerite (Zinc %)
- gal(Pb) galena (Lead %)
- cpy(Cu) chalcocopyrite (Copper %)
- Aspy arsenopyrite

- s.c. Carbonatization - slightly
- m.c. - moderately
- h.c. - strongly
- qc.v. - quartz carbonate vein
- s.s. Silicification - slightly
- m.s. - moderately
- h.s. - strongly
- M Amygdaloidal (feldspar, quartz, carbonate)
- V.G. Visible Gold
- bx breccia
- Py pyrite
- po pyrrhotite

- Sul Sulphides
- mass massive
- h heavy
- min minor
- Shearing



**SABINA INDUSTRIES LTD.
AND M^C FINLEY MINES LTD.**

M^C FINLEY RED LAKE PROPERTY

BATEMAN TWP., RED LAKE AREA
DISTRICT OF KENORA, ONTARIO
B.L. 2
SECTION 3+30 S
S-22-75 /

Date: Sept. / 82 By: / gmes Map No.

63.4282