REPORT NO. 202

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DIGHEM^{III} SURVEY

OF THE

STURGEON LAKE AND KAKAGI LAKE AREAS, ONTARIO

FOR

SAULT MEADOWS ENERGY CORPORATION

BY

DIGHEM LIMITED

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PRESIDENT

SUMMARY AND RECOMMENDATIONS

A total of 549 km of survey was flown in April and July, 1984, over properties held by Sault Meadows Energy Corporation in the Sturgeon Lake and Kakagi Lake areas.

The survey outlined several discrete bedrock conductors in the midst of many overburden conductors. The bedrock anomalies generally warrant further investigation using appropriate surface exploration techniques, providing they have not been explored earlier.

LOCATION MAP

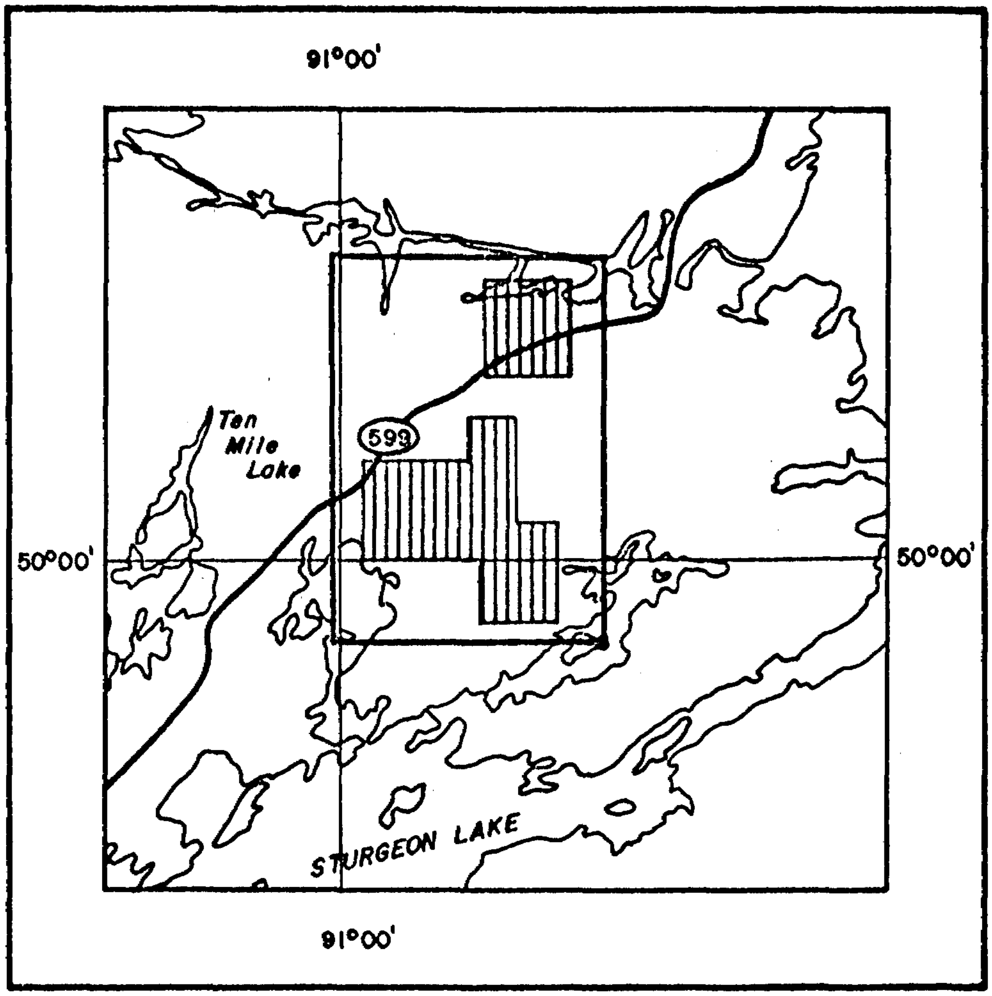

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FIGURE 1A

THE SURVEY AREA

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INTRODUCTION

A DIGHEM^{III} survey was flown over a number of claim blocks with 300 m line-spacings for Sault Meadows Energy Corporation. A total of 122 km was flown on April 22, 1984 in the Sturgeon Lake area of Ontario (Figure 1a), and 427 km was flown from July 6 to 8 in the Kakagi Lake area (Figure 1b).

The NSM Astar turbine helicopter flew at an average airspeed of 115 km/h with an EM bird height of approximately 32 m. Ancillary equipment consisted of a Sonotek PMH 5010 magnetometer with its bird at an average height of 47 m, a Sperry radio altimeter, a Geocam sequence camera, an RMS GR33 analog recorder, a Sonotek SDS 1200 digital data acquisition system and a Digidata 1140 9-track 800-bpi magnetic tape recorder. The analog equipment recorded four channels of EM data at approximately 900 Hz, two channels of EM data at approximately 7200 Hz, two ambient EM noise channels (for the coaxial and coplanar receivers), two channels of magnetics (coarse and fine count), and a channel of radio altitude. The digital equipment recorded the EM data with a sensitivity of 0.2 ppm and the magnetic field to one nT (i.e., one gamma).

Appendix A provides details on the data channels, their respective sensitivities, and the flight path recovery procedure. Noise levels of less than 2 ppm are generally maintained for wind speeds up to 35 km/h. Higher winds may cause the system to be grounded because excessive bird swinging produces difficulties in flying the helicopter. The swinging results from the 5 m^2 of area which is presented by the bird to broadside gusts. The DIGHEM system nevertheless can be flown under wind conditions that seriously degrade other AEM systems.

It should be noted that the anomalies shown on the electromagnetic anomaly map are based on a near-vertical, half plane model. This model best reflects "discrete" bedrock conductors. Wide bedrock conductors or flat-lying conductive units, whether from surficial or bedrock sources, may give rise to very broad anomalous responses on the EM profiles. These may not appear on the electromagnetic anomaly map if they have a regional character rather than a locally anomalous character. These broad conductors, which more closely approximate a half space model, will be maximum coupled to the horizontal (coplanar) coil-pair and are clearly evident on the resistivity map. The resistivity

SECTION I: SURVEY RESULTS

CONDUCTORS IN THE SURVEY AREA

The electromagnetic anomaly map shows the anomaly locations with the interpreted conductor type, dip, conductance and depth being indicated by symbols. Direct magnetic correlation is also shown if it exists. The strike direction and length of the conductors are indicated when anomalies can be correlated from line to line. When studying the map sheets for follow-up planning, consult the anomaly listings appended to this report to ensure that none of the conductors are overlooked.

Sturgeon Lake

The Sturgeon Lake survey covered two small areas with 122 km of flying, the results of which are shown on one map sheet for each parameter. Table I-1 summarizes the EM responses on the Sturgeon Lake sheet with respect to conductance grade and interpretation.

The resistivity map shows the conductive properties of the Sturgeon Lake area. Some of the resistivity lows (i.e., conductive areas) coincide with bedrock conductors and others indicate lakes. The resistivity is generally greater than 300 ohm-m over the lakes, but often is below 30 ohm-m

TABLE I-1

EM ANOMALY STATISTICS OF THE STURGEON LAKE AREA

CONDUCTOR GRADE	CONDUCTANCE RANGE	NUMBER OF RESPONSES
6	> 99 MHOS	1
5	50-99 MHOS	0
4	20-49 MHOS	5
3	10-19 MHOS	4
2	5- 9 MHOS	1
1	< 5 MHOS	61
X	INDETERMINATE	51
TOTAL		123

CONDUCTOR MODEL	MOST LIKELY SOURCE	NUMBER OF RESPONSES
B	DISCRETE BEDROCK	11
S	COVER	103
L	CULTURE	9
TOTAL		123

(SEE EM MAP LEGEND FOR EXPLANATIONS)

over bedrock conductors. The resistivity patterns may aid geologic mapping and in extending the length of known zones.

A powerline runs through part of the Sturgeon Lake area. It influences the resistivity and electromagnetic anomaly patterns somewhat but has negligible effect on the usefulness of airborne exploration of the property.

The total field magnetic map is quite inactive except for the southwest corner.

The enhanced magnetic map shows a number of individual magnetic zones much more distinctly than the total field magnetic map. For example, there is a magnetic correlation with 105D-106B* which shows clearly on the enhanced map but which is barely visible on the total field map. The enhanced map, which is proprietary to Dighem Limited, is more suited to exploration than the total field map.

The following description of EM anomalies focusses primarily on the probably bedrock conductors (interpretive symbol "B" or "B?"). Anomalies which have been interpreted as due to conductive overburden (interpretive symbol "S" or "S?") or culture ("L") are generally ignored in this discussion.

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* EM anomaly B on line 106.

Anomalies 1E-2E, 4E-5xA

These two conductors may occur along a single geologic horizon over a strike length in excess of 4600 ft. They are non-magnetic, but are located adjacent to magnetic features. The conductance grade is 3 to 4. Well-defined resistivity anomalies are associated with the conductors. They are excellent targets.

Anomaly 7C

A single-line grade 1 conductor occurs near a lake. It is non-magnetic and poorly conductive.

Anomaly 15xB

An x-type EM response may be worth following up only because the number of targets from this survey are limited.

Anomaly 18A

The single-line anomaly represents an excellent target. Magnetic correlation exists with this highly conductive grade 6 conductor. A strong resistivity anomaly occurs.

Both the resistivity and enhanced magnetic maps suggest the conductor may extend westward to line 17.

Anomaly 101A

A single-line grade 1 conductor was located off the survey area as the helicopter had commenced its turn. The conductor is non-magnetic and could possibly be caused by conductive surficial cover.

Anomaly 102A

An excellent single-line target, with a strong resistivity anomaly, occurs on the north flank of a small enhanced magnetic feature. The conductance grade is 3.

Anomaly 105D-106B

This two-line conductor also forms an excellent target. The conductance grade varies from 1 to 4. The conductor may appear to be on strike with 102A. However, it correlates directly with an enhanced magnetic anomaly, whereas 102A occurs on a magnetic flank.

LOCATION MAP

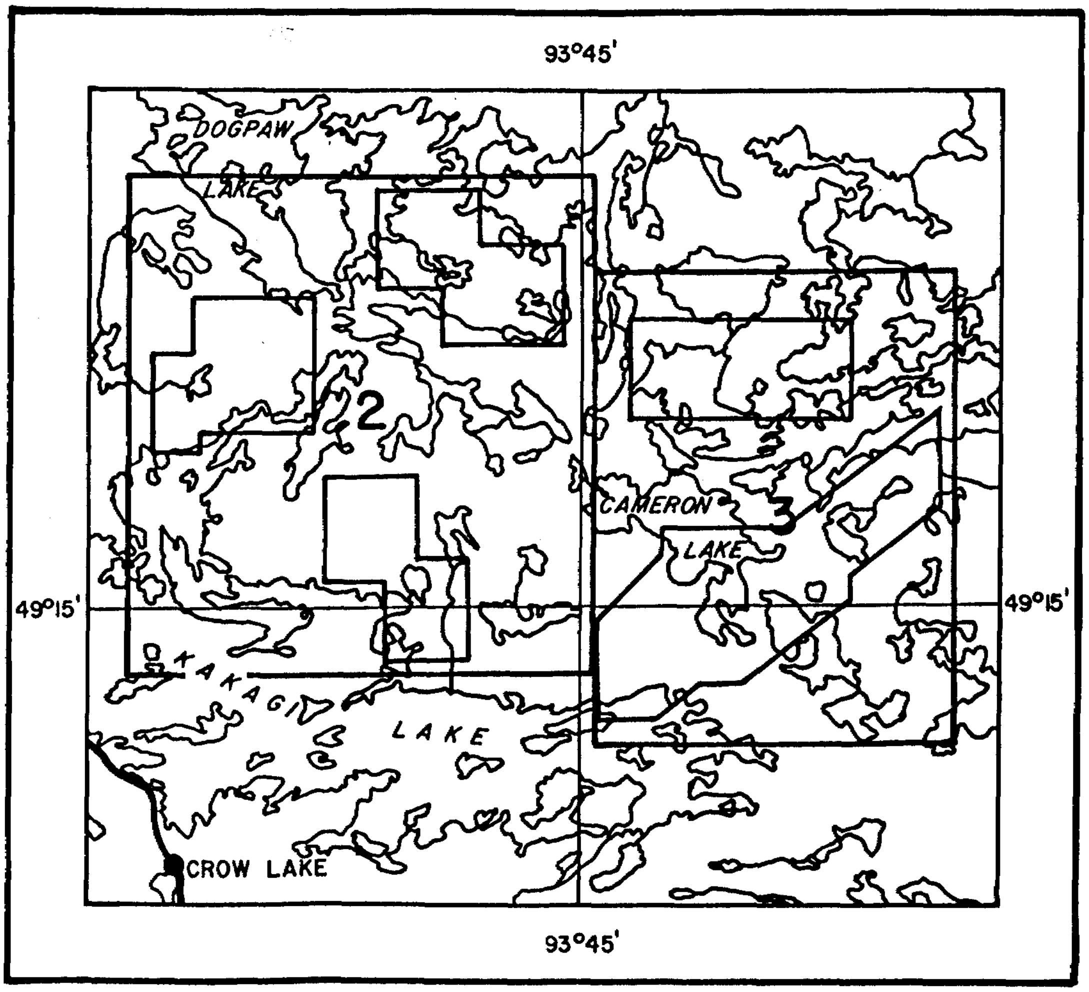

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FIGURE 1B

THE SURVEY AREA

Anomaly 105A

A strong single-line grade 4 conductor, with a well-defined resistivity anomaly, yields an attractive target. A small magnetic correlation exists.

Kakagi Lake

The Kakagi Lake survey covered five small areas with 427 km of flying, the results of which are shown on two map sheets for each parameter. Table I-2 summarizes the EM responses on the Kakagi Lake sheets with respect to conductance grade and interpretation.

The resistivity maps show the conductive properties of the survey areas. Most of the resistivity lows (i.e., conductive areas) coincide with lakes and, apparently, structural zones. The resistivity patterns may aid in geologic mapping and in extending the length of known zones.

TABLE I-2

EM ANOMALY STATISTICS OF THE KAKAGI LAKE AREA

CONDUCTOR GRADE	CONDUCTANCE RANGE	NUMBER OF RESPONSES
6	> 99 MHOS	0
5	50-99 MHOS	0
4	20-49 MHOS	1
3	10-19 MHOS	8
2	5- 9 MHOS	21
1	< 5 MHOS	642
X	INDETERMINATE	48
TOTAL		720

CONDUCTOR MODEL	MOST LIKELY SOURCE	NUMBER OF RESPONSES
B	DISCRETE BEDROCK	26
S	COVER	694
TOTAL		720

(SEE EM MAP LEGEND FOR EXPLANATIONS)

The total field and enhanced magnetic maps are highly active. A comparison of the total field magnetic map with the resistivity map shows the existence of a number of probable structures. Note the zone which runs through 212K and 215J of sheet 2. Another example is the zone which runs along line 313. It has a major impact on the resistivity map as it separates two conductive areas.

A low resistivity zone, having a width in excess of 1/2 mile, encompasses 301K-3046, 305D-G, etc. Several EM anomalies in this zone have been interpreted as "S?". They may actually be caused by weak bedrock or structural conductivity, rather than conductive overburden. Nevertheless, those anomalies that are interpreted as "S" or "S?" do not have the features which are characteristic of mineralization.

The following description of EM anomalies focusses primarily on the probably bedrock conductors (interpretive symbol "B" or "B?"). Anomalies which have been interpreted as due to conductive overburden (interpretive symbol "S" or "S?") or culture ("L") are generally ignored in this discussion.

Anomaly 202B	A weak single-line EM anomaly occurs without magnetic association. There is a local resistivity low. This grade 1 anomaly is not attractive but it could reflect weak bedrock conductivity.
Anomalies 207D-208C, 211A-214B	These grade 1 EM anomalies coincide with or occur close to magnetic features. They have also generated distinct resistivity lows. These anomalies likely reflect bedrock conductors.
208O	Bedrock conductivity may have produced this weak non-magnetic anomaly.
212K	This grade 1 non-magnetic anomaly appears to occur along a structure which strikes parallel to the flight line. Note the location of this anomaly on the resistivity and total field magnetic maps. If this anomaly reflects bedrock conductivity, then other EM

anomalies on this same structure (e.g., 213H, 214R) may have a similar cause.

301K-304G

A grade 1 conductor runs across four lines, coinciding with a resistivity low and a magnetic high.

308O

A single-line grade 4 EM anomaly occurs which is an excellent target. It correlates directly with a 30 gamma magnetic anomaly as can be seen on the profile. This target appears to occur within a north-striking structure as suggested by the total field magnetic map. The direct correlation between EM and magnetics, however, can only be seen on the enhanced magnetic map. This example illustrates the benefit of having Dighem's proprietary enhanced magnetic map in addition to the total field magnetic map.

316H

A bedrock conductor is the most probable cause of the non-magnetic grade 3 EM anomaly. It occurs within a conductive lake, but the anomaly shapes from the various coil combinations imply that a bedrock conducter has contributed to the overall response. It is located within a north-striking structure as can be seen on both the total field magnetic and resistivity maps.

Only one bedrock conductor appears to exist on the 400-series lines of sheet 2. This is 401G-402G, of which only 401G is a fairly interesting target. The other EM anomalies, without exception, appear to reflect conductive surface material. Some of the "S?" anomalies may be structurally controlled, e.g., 409C-412A.

The 500-series lines of sheet 3 contain only two bedrock conductors, as follows:

510L-511M

A two-line grade 3 conductor occurs within a lake. The lack of a correlating resistivity low suggests it may simply reflect a more conductive part of the lake bottom. As a result, the conductor is questionable. There is no magnetic correlation.

517E-519D, 517D, 517F

These anomalies are, in all likelihood, caused by bedrock conductors. They occur in a conductive lake but their anomaly characteristics are highly indicative of a bedrock source. The conductors occur on the north flank of an enhanced magnetic high.

Anomalies 504D-506G and 524C have the interpretive symbol "S?" and, hence, probably have a surficial origin. There is a possibility that they reflect very weak bedrock conductivity.

Arcuate patterns to the magnetics and resistivity on the east side of the 500-series grid indicates that the conductive patterns are structurally controlled. The arcuate resistivity anomaly, encompassing 527F, 529B, 529F, etc, correlates with a conductive lake which is arcuate in shape.

The 600-series lines contain only one bedrock conductor, 623I, which may extend eastward to 624D. There is a magnetic association as can best be seen on the enhanced magnetic map. Anomaly 623I is of conductance grade 3, and is a fairly attractive target.

As for the other survey blocks, the "S?" anomalies might be worth investigating if the geology was particularly attractive. Anomalies 613F, 615I and 617I-618H are perhaps somewhat more attractive than the other anomalies of this type.

SECTION II: BACKGROUND INFORMATION

ELECTROMAGNETICS

DIGHEM electromagnetic responses fall into two general classes, discrete and broad. The discrete class consists of sharp, well-defined anomalies from discrete conductors such as sulfide lenses and steeply dipping sheets of graphite and sulfides. The broad class consists of wide anomalies from conductors having a large horizontal surface such as flatly dipping graphite or sulfide sheets, saline water-saturated sedimentary formations, conductive overburden and rock, and geothermal zones. A vertical conductive slab with a width of 200 m would straddle these two classes.

The vertical sheet (half plane) is the most common model used for the analysis of discrete conductors. All anomalies plotted on the electromagnetic map are analyzed according to this model. The following section entitled **Discrete conductor analysis** describes this model in detail, including the effect of using it on anomalies caused by broad conductors such as conductive overburden.

The conductive earth (half space) model is suitable for broad conductors. Resistivity contour maps result from the use of this model. A later section entitled **Resistivity mapping** describes the method further, including the effect of using it on anomalies caused by discrete conductors such as sulfide bodies.

Geometric interpretation

The geophysical interpreter attempts to determine the geometric shape and dip of the conductor. This qualitative interpretation of anomalies is indicated on the map by means of interpretive symbols (see EM map legend). Figure II-1 shows typical DIGHEM anomaly shapes and the interpretive symbols for a variety of conductors. These classic curve shapes are used to guide the geometric interpretation.

Discrete conductor analysis

The EM anomalies appearing on the electromagnetic map are analyzed by computer to give the conductance (i.e., conductivity-thickness product) in mhos of a vertical sheet model. This is done regardless of the interpreted geometric shape of the conductor. This is not an unreasonable procedure, because the computed conductance increases as the electrical quality of the conductor increases, regardless of its true shape. DIGHEM anomalies are divided into six

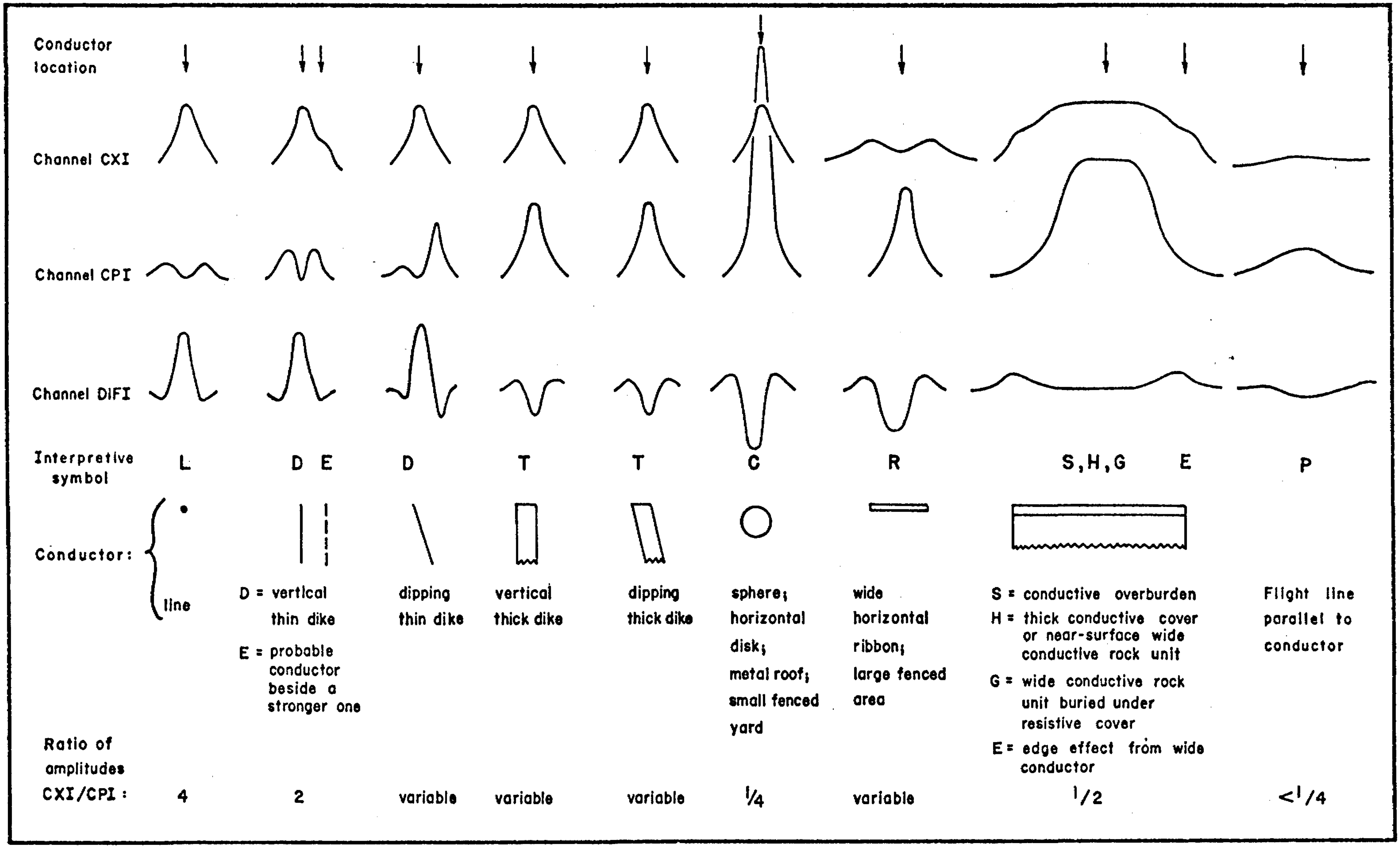

Figure II - 1 Typical DIGHEM anomaly shapes grades of conductance, as shown in Table II-1. The conductance in mhos is the reciprocal of resistance in ohms.

Table II-1. EM Anomaly Grades

Anomaly Grade	Mho Range
6	> 99
5	50 - 99
4	20 - 49
3	10 - 19
2	5 - 9
1	< 5

The conductance value is a geological parameter because it is a characteristic of the conductor alone; it generally is independent of frequency, and of flying height or depth of burial apart from the averaging over a greater portion of the conductor as height increases.[1] Small anomalies from deeply buried strong conductors are not confused with small anomalies from shallow weak conductors because the former will have larger conductance values.

Conductive overburden generally produces broad EM responses which are not plotted on the EM maps. However, patchy conductive overburden in otherwise resistive areas

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1 This statement is an approximation. DIGHEM, with its short coil separation, tends to yield larger and more accurate conductance values than airborne systems having a larger coil separation.

can yield discrete anomalies with a conductance grade (cf. Table II-1) of 1, or even of 2 for conducting clays which have resistivities as low as 50 ohm-m. In areas where ground resistivities can be below 10 ohm-m, anomalies caused by weathering variations and similar causes can have any conductance grade. The anomaly shapes from the multiple coils often allow such conductors to be recognized, and these are indicated by the letters S, H, G and sometimes E on the map (see EM legend).

For bedrock conductors, the higher anomaly grades indicate increasingly higher conductances. Examples: DIGHEM's New Insco copper discovery (Noranda, Canada) yielded a grade 4 anomaly, as did the neighbouring copper-zinc Magusi River ore body; Mattabi (copper-zinc, Sturgeon Lake, Canada) and Whistle (nickel, Sudbury, Canada) gave grade 5; and DIGHEM's Montcalm nickel-copper discovery (Timmins, Canada) yielded a grade 6 anomaly. Graphite and sulfides can span all grades but, in any particular survey area, field work may show that the different grades indicate different types of conductors.

Strong conductors (i.e., grades 5 and 6) are characteristic of massive sulfides or graphite. Moderate conductors (grades 3 and 4) typically reflect sulfides of a less massive character or graphite, while weak bedrock conductors (grades 1 and 2) can signify poorly connected graphite or heavily disseminated sulfides. Grade 1 conductors may not respond to ground EM equipment using frequencies less than 2000 Hz.

The presence of sphalerite or gangue can result in ore deposits having weak to moderate conductances. As an example, the three million ton lead-zinc deposit of Restigouche Mining Corporation near Bathurst, Canada, yielded a well defined grade 1 conductor. The 10 percent by volume of sphalerite occurs as a coating around the fine grained massive pyrite, thereby inhibiting electrical conduction.

Faults, fractures and shear zones may produce anomalies which typically have low conductances (e.g., grades 1 and 2). Conductive rock formations can yield anomalies of any conductance grade. The conductive materials in such rock formations can be salt water, weathered products such as clays, original depositional clays, and carbonaceous material.

On the electromagnetic map, a letter identifier and an interpretive symbol are plotted beside the EM grade symbol. The horizontal rows of dots, under the interpretive symbol, indicate the anomaly amplitude on the flight record. The vertical column of dots, under the anomaly letter, gives the estimated depth. In areas where anomalies are crowded, the letter identifiers, interpretive symbols and dots may be obliterated. The EM grade symbols, however, will always be discernible, and the obliterated information can be obtained from the anomaly listing appended to this report.

The purpose of indicating the anomaly amplitude by dots is to provide an estimate of the reliability of the conductance calculation. Thus, a conductance value obtained from a large ppm anomaly (3 or 4 dots) will tend to be accurate whereas one obtained from a small ppm anomaly (no dots) could be quite inaccurate. The absence of amplitude dots indicates that the anomaly from the coaxial coil-pair is 5 ppm or less on both the inphase and quadrature channels. Such small anomalies could reflect a weak conductor at the surface or a stronger conductor at depth. The conductance grade and depth estimate illustrates which of these possibilities fits the recorded data best.

Flight line deviations occasionally yield cases where two anomalies, having similar conductance values but dramatically different depth estimates, occur close together on the same conductor. Such examples illustrate the reliability of the conductance measurement while showing that the depth estimate can be unreliable. There are a number of factors which can produce an error in the depth estimate, including the averaging of topographic variations by the altimeter, overlying conductive overburden, and the location and attitude of the conductor relative to the flight line. Conductor location and attitude can provide an erroneous depth estimate because the stronger part of the conductor may be deeper or to one side of the flight line, or because it has a shallow dip. A heavy tree cover can also produce errors in depth estimates. This is because the depth estimate is computed as the distance of bird from conductor, minus the altimeter reading. The altimeter can lock onto the top of a dense forest canopy. This situation yields an erroneously large depth estimate but does not affect the conductance estimate.

Dip symbols are used to indicate the direction of dip of conductors. These symbols are used only when the anomaly shapes are unambiguous, which usually requires a fairly resistive environment.

A further interpretation is presented on the EM map by means of the line-to-line correlation of anomalies, which is based on a comparison of anomaly shapes on adjacent lines. This provides conductor axes which may define the geological structure over portions of the survey area. The absence of conductor axes in an area implies that anomalies could not be correlated from line to line with reasonable confidence.

DIGHEM electromagnetic maps are designed to provide a correct impression of conductor quality by means of the conductance grade symbols. The symbols can stand alone with geology when planning a follow-up program. The actual conductance values are printed in the attached anomaly list for those who wish quantitative data. The anomaly ppm and depth are indicated by inconspicuous dots which should not distract from the conductor patterns, while being helpful to those who wish this information. The map provides an interpretation of conductors in terms of length, strike and dip, geometric shape, conductance, depth, and thickness (see below). The accuracy is comparable to an interpretation from a high quality ground EM survey having the same line spacing.

The attached EM anomaly list provides a tabulation of anomalies in ppm, conductance, and depth for the vertical sheet model. The EM anomaly list also shows the conductance and depth for a thin horizontal sheet (whole plane) model, but only the vertical sheet parameters appear on the EM map. The horizontal sheet model is suitable for a flatly dipping thin bedrock conductor such as a sulfide sheet having a thickness less than 10 m. The list also shows the resistivity and depth for a conductive earth (half space) model, which is suitable for thicker slabs such as thick conductive overburden. In the EM anomaly list, a depth value of zero for the conductive earth model, in an area of thick cover, warns that the anomaly may be caused by conductive overburden.

Since discrete bodies normally are the targets of EM surveys, local base (or zero) levels are used to compute local anomaly amplitudes. This contrasts with the use of true zero levels which are used to compute true EM amplitudes. Local anomaly amplitudes are shown in the EM anomaly list and these are used to compute the vertical sheet parameters of conductance and depth. Not shown in the EM anomaly list are the true amplitudes which are used to compute the horizontal sheet and conductive earth parameters.

X-type electromagnetic responses

DIGHEM maps contain x-type EM responses in addition to EM anomalies. An x-type response is below the noise threshold of 3 ppm, and reflects one of the following: a weak conductor near the surface, a strong conductor at depth (e.g., 100 to 120 m below surface) or to one side of the flight line, or aerodynamic noise. Those responses that have the appearance of valid bedrock anomalies on the flight profiles are indicated by appropriate interpretive symbols (see EM map legend). The others probably do not warrant further investigation unless their locations are of considerable geological interest.

The thickness parameter

DIGHEM can provide an indication of the thickness of a steeply dipping conductor. The amplitude of the coplanar anomaly (e.g., CPI) increases relative to the coaxial anomaly (e.g., CXI) as the apparent thickness increases, i.e., the thickness in the horizontal plane. (The thickness is equal to the conductor width if the conductor dips at 90 degrees and strikes at right angles to the flight line.) This report refers to a conductor as <u>thin</u> when the thickness is likely to be less than 3 m, and <u>thick</u> when in excess of 10 m. Thin conductors are indicated on the EM map by the interpretive symbol "D", and thick conductors by "T". For base metal exploration in steeply dipping geology, thick conductors can be high priority targets because many massive sulfide ore bodies are thick, whereas non-economic bedrock conductors are often thin. The system cannot sense the thickness when the strike of the conductor is subparallel to the flight line, when the conductor has a shallow dip, when the anomaly amplitudes are small, or when the resistivity of the environment is below 100 ohm-m.

<u>Resistivity mapping</u>

Areas of widespread conductivity are commonly encountered during surveys. In such areas, anomalies can be generated by decreases of only 5 m in survey altitude as well as by increases in conductivity. The typical flight record in conductive areas is characterized by inphase and quadrature channels which are continuously active. Local EM peaks reflect either increases in conductivity of the earth or decreases in survey altitude. For such conductive areas, apparent resistivity profiles and contour maps are necessary for the correct interpretation of the airborne data. The advantage of the resistivity parameter is that anomalies caused by altitude changes are virtually eliminated, so the resistivity data reflect only those anomalies caused by conductivity changes. The resistivity analysis also helps the interpreter to differentiate between conductive trends in the bedrock and those patterns typical of conductive overburden. For example, discrete conductors will generally appear as narrow lows on the contour map and broad conductors (e.g., overburden) will appear as wide lows.

The resistivity profile (see table in Appendix A) and the resistivity contour map present the apparent resistivity using the so-called pseudo-layer (or buried) half space model defined in Fraser (1978)[2]. This model consists of a resistive layer overlying a conductive half space. The depth channel (see Appendix A) gives the apparent depth below surface of the conductive material. The apparent depth is simply the apparent thickness of the overlying resistive layer. The apparent depth (or thickness) parameter will be positive when the upper layer is more resistive than the underlying material, in which case the apparent depth may be quite close to the true depth.

The apparent depth will be negative when the upper layer is more conductive than the underlying material, and will be zero when a homogeneous half space exists. The apparent depth parameter must be interpreted cautiously because it will contain any errors which may exist in the measured altitude of the EM bird (e.g., as caused by a dense tree cover). The inputs to the resistivity algorithm are the inphase and quadrature components of the coplanar coil-pair. The outputs are the apparent resistivity of the

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2 Resistivity mapping with an airborne multicoil electromagnetic system: Geophysics, v. 43, p. 144-172.

conductive half space (the source) and the sensor-source distance. The flying height is not an input variable, and the output resistivity and sensor-source distance are independent of the flying height. The apparent depth, discussed above, is simply the sensor-source distance minus the measured altitude or flying height. Consequently, errors in the measured altitude will affect the apparent depth parameter but not the apparent resistivity parameter.

The apparent depth parameter is a useful indicator of simple layering in areas lacking a heavy tree cover. The DIGHEM system has been flown for purposes of permafrost mapping, where positive apparent depths were used as a measure of permafrost thickness. However, little quantitative use has been made of negative apparent depths because the absolute value of the negative depth is not a measure of the thickness of the conductive upper layer and, therefore, is not meaningful physically. Qualitatively, a negative apparent depth estimate usually shows that the EM anomaly is caused by conductive overburden. Consequently, the apparent depth channel can be of significant help in distinguishing between overburden and bedrock conductors.

The resistivity map often yields more useful information on conductivity distributions than the EM map. In comparing the EM and resistivity maps, keep in mind the following:

(a) The resistivity map portrays the absolute value of the earth's resistivity.
(Resistivity = 1/conductivity.)

(b) The EM map portrays anomalies in the earth's resistivity. An anomaly by definition is a change from the norm and so the EM map displays anomalies, (i) over narrow, conductive bodies and (ii) over the boundary zone between two wide formations of differing conductivity.

The resistivity map might be likened to a total field map and the EM map to a horizontal gradient in the direction of flight[3]. Because gradient maps are usually more sensitive than total field maps, the EM map therefore is to be preferred in resistive areas. However, in conductive areas, the absolute character of the resistivity map usually causes it to be more useful than the EM map.

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[3] The gradient analogy is only valid with regard to the identification of anomalous locations.

Interpretation in conductive environments

Environments having background resistivities below 30 ohm-m cause all airborne EM systems to yield very large responses from the conductive ground. This usually prohibits the recognition of discrete bedrock conductors. The processing of DIGHEM data, however, produces six channels which contribute significantly to the recognition of bedrock conductors. These are the inphase and quadrature difference channels (DIFI and DIFQ), and the resistivity and depth channels (RES and DP) for each coplanar frequency; see table in Appendix A.

The EM difference channels (DIFI and DIFQ) eliminate up to 99% of the response of conductive ground, leaving responses from bedrock conductors, cultural features (e.g., telephone lines, fences, etc.) and edge effects. An edge effect arises when the conductivity of the ground suddenly changes, and this is a source of geologic noise. While edge effects yield anomalies on the EM difference channels, they do not produce resistivity anomalies. Consequently, the resistivity channel aids in eliminating anomalies due to edge effects. On the other hand, resistivity anomalies will coincide with the most highly conductive sections of conductive ground, and this is another source of geologic noise. The recognition of a bedrock conductor in a conductive environment therefore is based on the anomalous responses of the two difference channels (DIFI and DIFQ) and the two resistivity channels (RES). The most favourable situation is where anomalies coincide on all four channels.

The DP channels, which give the apparent depth to the conductive material, also help to determine whether a conductive response arises from surficial material or from a conductive zone in the bedrock. When these channels ride above the zero level on the electrostatic chart paper (i.e., depth is negative), it implies that the EM and resistivity profiles are responding primarily to a conductive upper layer, i.e., conductive overburden. If both DP channels are below the zero level, it indicates that a resistive upper layer exists, and this usually implies the existence of a bedrock conductor. If the low frequency DP channel is below the zero level and the high frequency DP is above, this suggests that a bedrock conductor occurs beneath conductive cover.

Channels REC1, REC2, REC3 and REC4 are the anomaly recognition functions. They are used to trigger the conductance channel CDT which identifies discrete conductors. In highly conductive environments, channel REC2 is deactivated because it is subject to corruption by highly conductive earth signals. Similarly, in moderately conductive environments, REC4 is deactivated. Some of the automatically selected anomalies (channel CDT) are discarded by the geophysicist. The automatic selection algorithm is intentionally oversensitive to assure that no meaningful responses are missed. The interpreter then classifies the anomalies according to their source and eliminates those that are not substantiated by the data, such as those arising from geologic or aerodynamic noise.

Reduction of geologic noise

Geologic noise refers to unwanted geophysical responses. For purposes of airborne EM surveying, geologic noise refers to EM responses caused by conductive overburden and magnetic permeability. It was mentioned above that the EM difference channels (i.e., channel DIFI for inphase and DIFQ for quadrature) tend to eliminate the response of conductive overburden. This marked a unique development in airborne EM technology, as DIGHEM is the only EM system which yields channels having an exceptionally high degree of immunity to conductive overburden.

Magnetite produces a form of geological noise on the inphase channels of all EM systems. Rocks containing less than 1% magnetite can yield negative inphase anomalies caused by magnetic permeability. When magnetite is widely distributed throughout a survey area, the inphase EM channels may continuously rise and fall reflecting variations in the magnetite percentage, flying height, and overburden thickness. This can lead to difficulties in recognizing deeply buried bedrock conductors, particularly if conductive overburden also exists. However, the response of broadly distributed magnetite generally vanishes on the inphase difference channel DIFI. This feature can be a significant aid in the recognition of conductors which occur in rocks containing accessory magnetite.

EM magnetite mapping

The information content of DIGHEM data consists of a combination of conductive eddy current response and magnetic permeability response. The secondary field resulting from conductive eddy current flow is frequency-dependent and consists of both inphase and quadrature components, which are positive in sign. On the other hand, the secondary field resulting from magnetic permeability is independent of frequency and consists of only an inphase component which is negative in sign. When magnetic permeability manifests itself by decreasing the measured amount of positive inphase, its presence may be difficult to recognize. However, when it manifests itself by yielding a negative inphase anomaly (e.g., in the absence of eddy current flow), its presence is assured. In this latter case, the negative component can be used to estimate the percent magnetite content.

A magnetite mapping technique was developed for the coplanar coil-pair of DIGHEM. The technique yields channel "FEO" (see Appendix A) which displays apparent weight percent magnetite according to a homogeneous half space model.[4] The method can be complementary to magnetometer mapping in certain cases. Compared to magnetometry, it is far less sensitive but is more able to resolve closely spaced magnetite zones, as well as providing an estimate of the amount of magnetite in the rock. The method is sensitive to 1/4% magnetite by weight when the EM sensor is at a height of 30 m above a magnetitic half space. It can individually resolve steeply dipping narrow magnetite-rich bands which are separated by 60 m. Unlike magnetometry, the EM magnetite method is unaffected by remanent magnetism or magnetic latitude.

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[4] Refer to Fraser, 1981, Magnetite mapping with a multi-coil airborne electromagnetic system: Geophysics, v. 46, p. 1579-1594.

The EM magnetite mapping technique provides estimates of magnetite content which are usually correct within a factor of 2 when the magnetite is fairly uniformly distributed. EM magnetite maps can be generated when magnetic permeability is evident as indicated by anomalies in the magnetite channel FEO.

Like magnetometry, the EM magnetite method maps only bedrock features, provided that the overburden is characterized by a general lack of magnetite. This contrasts with resistivity mapping which portrays the combined effect of bedrock and overburden.

Recognition of culture

Cultural responses include all EM anomalies caused by man-made metallic objects. Such anomalies may be caused by inductive coupling or current gathering. The concern of the interpreter is to recognize when an EM response is due to culture. Points of consideration used by the interpreter, when coaxial and coplanar coil-pairs are operated at a common frequency, are as follows:

1. Channels CXS and CPS (see Appendix A) measure 50 and 60 Hz radiation. An anomaly on these channels shows

that the conductor is radiating cultural power. Such an indication is normally a guarantee that the conductor is cultural. However, care must be taken to ensure that the conductor is not a geologic body which strikes across a power line, carrying leakage currents.

2. A flight which crosses a line (e.g., fence, telephone line, etc.) yields a center-peaked coaxial anomaly and an m-shaped coplanar anomaly.[5] When the flight crosses the cultural line at a high angle of intersection, the amplitude ratio of coaxial/coplanar (e.g., CXI/CPI) is 4. Such an EM anomaly can only be caused by a line. The geologic body which yields anomalies most closely resembling a line is the vertically dipping thin dike. Such a body, however, yields an amplitude ratio of 2 rather than 4. Consequently, an m-shaped coplanar anomaly with a CXI/CPI amplitude ratio of 4 is virtually a guarantee that the source is a cultural line.

3. A flight which crosses a sphere or horizontal disk yields center-peaked coaxial and coplanar anomalies with a CXI/CPI amplitude ratio (i.e., coaxial/coplanar) of 1/4. In the absence of geologic bodies of this geometry, the most likely conductor is a metal roof or

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5 See Figure II-1 presented earlier.

small fenced yard.[6] Anomalies of this type are virtually certain to be cultural if they occur in an area of culture.

4. A flight which crosses a horizontal rectangular body or wide ribbon yields an m-shaped coaxial anomaly and a center-peaked coplanar anomaly. In the absence of geologic bodies of this geometry, the most likely conductor is a large fenced area.[6] Anomalies of this type are virtually certain to be cultural if they occur in an area of culture.

5. EM anomalies which coincide with culture, as seen on the camera film, are usually caused by culture. However, care is taken with such coincidences because a geologic conductor could occur beneath a fence, for example. In this example, the fence would be expected to yield an m-shaped coplanar anomaly as in case #2 above. If, instead, a center-peaked coplanar anomaly occurred, there would be concern that a thick geologic conductor coincided with the cultural line.

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[6] It is a characteristic of EM that geometrically identical anomalies are obtained from: (1) a planar conductor, and (2) a wire which forms a loop having dimensions identical to the perimeter of the equivalent planar conductor.

6. The above description of anomaly shapes is valid when the culture is not conductively coupled to the environment. In this case, the anomalies arise from inductive coupling to the EM transmitter. However, when the environment is quite conductive (e.g., less than 100 ohm-m at 900 Hz), the cultural conductor may be conductively coupled to the environment. In this latter case, the anomaly shapes tend to be governed by current gathering. Current gathering can completely distort the anomaly shapes, thereby complicating the identification of cultural anomalies. In such circumstances, the interpreter can only rely on the radiation channels CXS and CPS, and on the camera film.

TOTAL FIELD MAGNETICS

The existence of a magnetic correlation with an EM anomaly is indicated directly on the EM map. An EM anomaly with magnetic correlation has a greater likelihood of being produced by sulfides than one that is non-magnetic. However, sulfide ore bodies may be non-magnetic (e.g., the Kidd Creek deposit near Timmins, Canada) as well as magnetic (e.g., the Mattabi deposit near Sturgeon Lake, Canada).

The magnetometer data are digitally recorded in the aircraft to an accuracy of one nT (i.e., one gamma). The digital tape is processed by computer to yield a total field magnetic contour map. When warranted, the magnetic data also may be treated mathematically to enhance the magnetic response of the near-surface geology, and an enhanced magnetic contour map is then produced. The response of the enhancement operator in the frequency domain is illustrated in Figure II-2. This figure shows that the passband components of the airborne data are amplified 20 times by the enhancement operator. This means, for example, that a 100 nT anomaly on the enhanced map reflects a 5 nT anomaly for the passband components of the airborne data.

The enhanced map, which bears a resemblance to a downward continuation map, is produced by the digital bandpass filtering of the total field data. The enhancement is equivalent to continuing the field downward to a level (above the source) which is 1/20th of the actual sensor-source distance.

Because the enhanced magnetic map bears a resemblance to a ground magnetic map, it simplifies the recognition of trends in the rock strata and the interpretation of

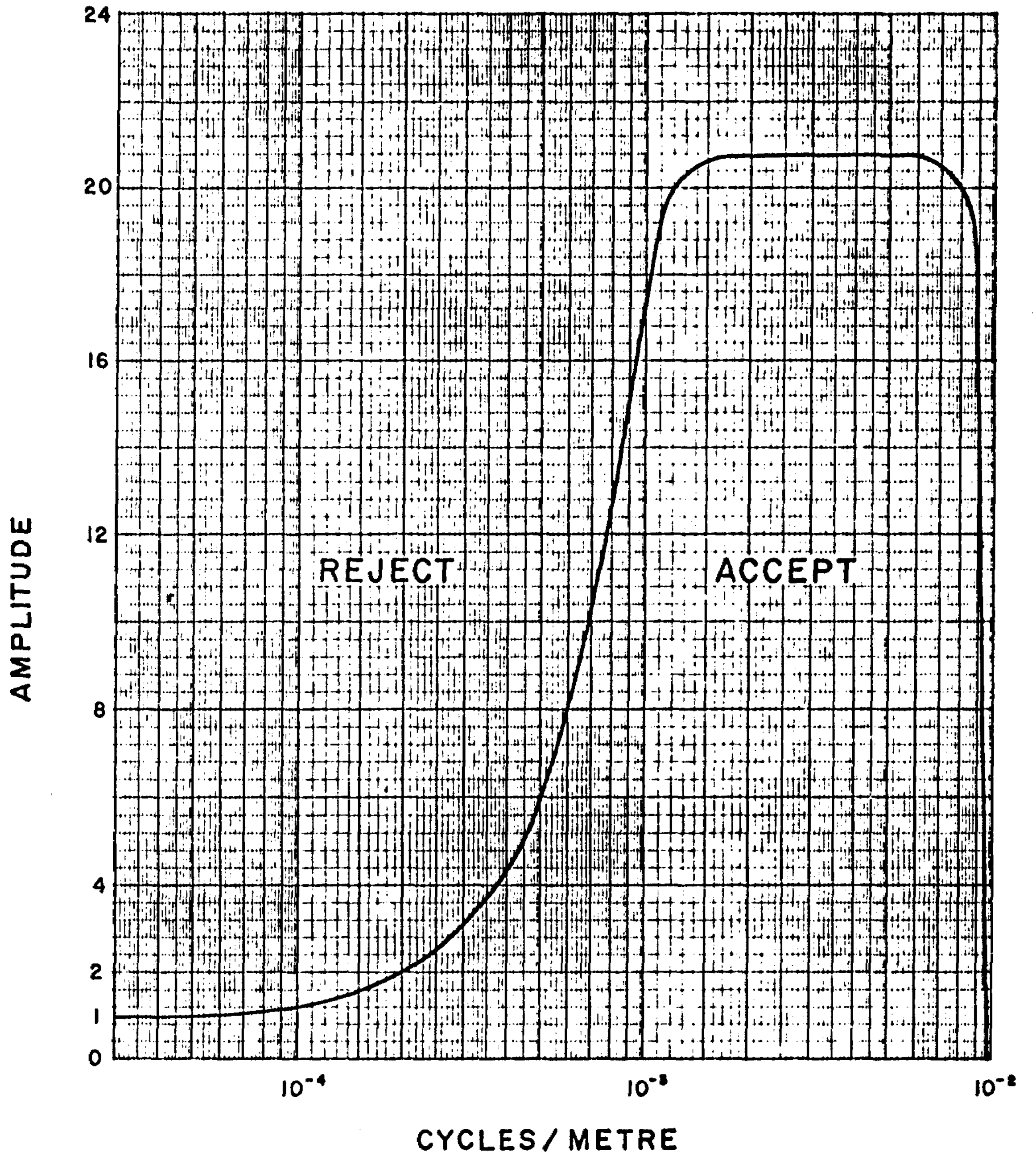

Figure II-2 Frequency response of magnetic enhancement operator.

geological structure. It defines the near-surface local geology while de-emphasizing deep-seated regional features. It primarily has application when the magnetic rock units are steeply dipping and the earth's field dips in excess of 60 degrees.

MAPS ACCOMPANYING THIS REPORT

Twelve map sheets accompany this report:

Electromagnetic Anomalies	3 map sheets
Resistivity	3 map sheets
Total Field Magnetics	3 map sheets
Enhanced Magnetics	3 map sheets

Respectfully submitted,
DIGHEM LIMITED

D.C. Fraser
President

AE DCF-455

A P P E N D I X A

THE FLIGHT RECORD AND PATH RECOVERY

Both analog and digital flight records were produced. The analog profiles were recorded on chart paper in the aircraft during the survey. The digital profiles were generated later by computer and plotted on electrostatic chart paper at a scale of 1:15,840 The digital profiles are listed in Table A-1.

In Table A-1, the log resistivity scale of 0.03 decade/mm means that the resistivity changes by an order of magnitude in 33 mm. The resistivities at 0, 33, 67, 100 and 133 mm up from the bottom of the digital flight record are respectively 1, 10, 100, 1,000 and 10,000 ohm-m.

The fiducial marks on the flight records represent points on the ground which were recovered from camera film. Continuous photographic coverage allowed accurate photo-path recovery locations for the fiducials, which were then plotted on the geophysical maps to provide the track of the aircraft.

The fiducial locations on both the flight records and flight path maps were examined by a computer for unusual helicopter speed changes. Such speed changes may denote an error in flight path recovery. The resulting flight path locations therefore reflect a more stringent checking than is normally provided by manual flight path recovery techniques.

Table A-1. The Digital Profiles

Channel Name	(Freq)	Observed parameters	Scale units/mm
MAG		magnetics	10 nT
ALT		bird height	3 m
CXI	(900 Hz)	vertical coaxial coil-pair inphase	1 ppm
CXQ	(900 Hz)	vertical coaxial coil-pair quadrature	1 ppm
CXS	(900 Hz)	ambient noise monitor (coaxial receiver)	1 ppm
CPI	(900 Hz)	horizontal coplanar coil-pair inphase	1 ppm
CPQ	(900 Hz)	horizontal coplanar coil-pair quadrature	1 ppm
CPS	(900 Hz)	ambient noise monitor (coplanar receiver)	1 ppm
CPI	(7200 Hz)	horizontal coplanar coil-pair inphase	1 ppm
CPQ	(7200 Hz)	horizontal coplanar coil-pair quadrature	1 ppm
		Computed Parameters	
DIFI	(900 Hz)	difference function inphase from CXI and CPI	1 ppm
DIFQ	(900 Hz)	difference function quadrature from CXQ and CPQ	1 ppm
REC1		first anomaly recognition function	1 ppm
REC2		second anomaly recognition function	1 ppm
REC3		third anomaly recognition function	1 ppm
REC4		fourth anomaly recognition function	1 ppm
CDT		conductance	1 grade
RES	(900 Hz)	log resistivity	.03 decade
RES	(7200 Hz)	log resistivity	.03 decade
DP	(900 Hz)	apparent depth	3 m
DP	(7200 Hz)	apparent depth	3 m
FEO%	(900 Hz)	apparent weight percent magnetite	0.25%

APPENDIX B

EM ANOMALY LIST

ANOMALY/ FID/INTERP	COAXIAL 900 HZ REAL PPM	COAXIAL 900 HZ QUAD PPM	COPLANAR 900 HZ REAL PPM	COPLANAR 900 HZ QUAD PPM	COPLANAR 7200 HZ REAL PPM	COPLANAR 7200 HZ QUAD PPM	VERTICAL DIKE COND MHOS	VERTICAL DIKE DEPTH* M	HORIZONTAL SHEET COND MHOS	HORIZONTAL SHEET DEPTH M	CONDUCTIVE EARTH RESIS OHM-M	CONDUCTIVE EARTH DEPTH M
LINE 1 (FLIGHT 3)												
A 360 S	2	6	0	16	36	129	1	0	1	16	316	0
B 356 S	3	10	0	24	47	212	1	0	1	10	336	0
D 350 S	2	4	0	16	25	127	1	0	1	11	555	0
E 323 B	21	8	20	10	41	8	35	23	4	108	11	85
LINE 2 (FLIGHT 3)												
B 394 S	4	4	0	8	13	75	1	0	1	11	772	0
D 411 L	6	1	0	2	2	10	28	50	1	195	1035	0
E 413 B	0	1	10	2	14	13	18	53	7	139	5	121
H 421 S	6	1	2	8	14	66	1	0	1	7	903	0
LINE 3 (FLIGHT 3)												
B 490 S	0	8	0	23	63	174	1	0	1	13	228	0
C 488 S	0	10	1	26	88	202	1	0	1	14	151	0
D 456 S	0	7	0	16	35	134	1	0	1	8	445	0
E 446 L	4	1	5	2	11	3	26	50	3	187	20	153
LINE 4 (FLIGHT 3)												
C 530 S	1	3	2	9	27	76	1	0	1	17	410	0
D 539 S	1	2	1	1	5	20	1	0	1	18	1833	0
E 549 B	1	2	9	3	13	46	13	57	8	161	3	146
LINE 5 (FLIGHT 3)												
B 624 S	0	0	1	0	2	6	1	7	1	67	3097	9
D 603 S	0	2	0	7	10	62	1	0	1	10	1116	0
E 598 S	1	4	1	10	32	89	1	0	1	15	406	0
LINE 6 (FLIGHT 3)												
A 638 S	0	2	0	6	13	56	1	0	1	9	924	0
B 654 S	0	1	2	2	6	30	1	0	1	19	1233	0
D 680 S	5	1	2	1	3	18	1	0	1	7	2567	0
LINE 7 (FLIGHT 3)												
C 720 B?	5	1	0	1	18	18	1	7	1	90	98	67
LINE 9 (FLIGHT 3)												
A 866 S	0	1	1	8	24	64	1	0	1	15	540	0
B 862 S	0	2	0	8	9	75	1	0	1	0	1393	0
E 838 S	4	0	1	0	3	0	8	91	1	203	538	153
LINE 10 (FLIGHT 3)												
A 877 S	1	1	2	3	9	30	1	0	1	17	1108	0

* ESTIMATED DEPTH MAY BE UNRELIABLE BECAUSE THE STRONGER PART OF THE CONDUCTOR MAY BE DEEPER OR TO ONE SIDE OF THE FLIGHT LINE, OR BECAUSE OF A SHALLOW DIP OR OVERBURDEN EFFECTS.

ANOMALY/ FID/INTERP	COAXIAL 900 HZ REAL PPM	COAXIAL 900 HZ QUAD PPM	COPLANAR 900 HZ REAL PPM	COPLANAR 900 HZ QUAD PPM	COPLANAR 7200 HZ REAL PPM	COPLANAR 7200 HZ QUAD PPM	VERTICAL DIKE COND MHOS	VERTICAL DIKE DEPTH* M	HORIZONTAL SHEET COND MHOS	HORIZONTAL SHEET DEPTH M	CONDUCTIVE EARTH RESIS OHM-M	CONDUCTIVE EARTH DEPTH M
LINE 11	(FLIGHT		3)									
A 1049 S	2	2	0	4	9	47	1	0	1	6	1171	0
C 1036 S	2	4	0	10	27	93	1	0	1	8	509	0
E 1028 S	2	0	0	0	1	2	1	46	1	146	7459	21
LINE 12	(FLIGHT		3)									
B 1102 S	3	2	0	10	12	88	1	0	1	2	1105	0
C 1107 S	0	4	0	16	42	132	1	0	1	9	356	0
E 1112 S	2	2	1	2	11	35	4	45	1	159	1035	0
G 1118 S	4	2	2	7	28	57	1	0	1	17	347	0
LINE 13	(FLIGHT		3)									
C 1230 S	0	3	0	5	8	70	1	0	1	7	1411	0
D 1228 S	0	3	0	6	8	68	1	0	1	7	1443	0
H 1185 S	4	1	1	2	6	32	1	0	1	8	1626	0
I 1180 S	1	2	0	2	7	34	1	0	1	9	1378	0
LINE 14	(FLIGHT		3)									
B 1286 S	1	2	0	4	6	58	1	0	1	3	1730	0
D 1305 S	0	9	1	26	72	207	1	0	1	12	236	0
F 1342 S	0	4	1	13	18	125	1	0	1	7	811	0
LINE 15	(FLIGHT		3)									
C 1552 S	3	2	2	4	9	60	1	0	1	4	1355	0
E 1533 S	0	3	4	13	22	114	1	0	1	10	635	0
H 1505 S	4	2	1	7	17	68	1	0	1	8	725	0
LINE 17	(FLIGHT		3)									
A 1940 S	0	4	0	15	43	115	1	0	1	5	310	0
B 1915 S	0	4	0	11	20	100	1	0	1	10	644	0
D 1888 S	0	2	0	6	5	64	1	0	1	0	2212	0
G 1867 S	1	3	0	5	11	47	1	0	1	15	988	0
LINE 18	(FLIGHT		3)									
C 1988 S	1	1	0	2	8	24	1	6	1	50	1062	15
D 1996 S	1	2	0	4	6	44	1	0	1	9	1798	0
G 2031 B	50	9	83	14	103	5	184	6	11	95	2	84
I 2043 S	0	3	0	11	15	88	1	0	1	16	720	0
LINE 19	(FLIGHT		3)									
C 2867 S	0	2	2	8	21	78	1	0	1	6	597	0
D 2854 S	2	2	1	5	15	49	1	0	1	14	648	0

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	COAXIAL 900 HZ		COPLANAR 900 HZ		COPLANAR 7200 HZ		VERTICAL DIKE		HORIZONTAL SHEET		CONDUCTIVE EARTH	
ANOMALY/ FID/INTERP	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	COND MHOS	DEPTH* M	COND MHOS	DEPTH M	RESIS OHM-M	DEPTH M
LINE 19	(FLIGHT	3)										
E 2850 S	4	1	2	4	12	24	1	0	1	26	608	0
LINE 20	(FLIGHT	3)										
A 2919 S	0	7	2	24	69	193	1	0	1	9	225	0
C 2929 S	1	2	1	2	6	26	1	0	1	32	1056	0
D 2935 S	1	1	1	4	7	35	1	0	1	18	1154	0
E 2941 S	4	2	2	4	12	41	1	0	1	20	785	0
LINE 101	(FLIGHT	3)										
A 1388 B?	2	1	4	1	8	8	1	36	1	106	445	70
LINE 102	(FLIGHT	3)										
A 1466 B	4	1	5	3	17	8	17	54	3	174	19	142
E 1445 S	2	1	5	0	5	10	1	0	1	115	567	72
LINE 105	(FLIGHT	3)										
A 2078 B	17	6	20	9	40	15	36	22	4	111	11	87
C 2094 S	0	1	0	1	4	14	1	16	1	58	1752	18
D 2100 B	0	2	0	5	15	27	1	4	1	51	483	21
LINE 106	(FLIGHT	3)										
A 2162 S	4	2	0	0	4	24	1	0	1	100	732	56
B 2152 B	12	7	22	9	42	8	25	19	2	124	27	92
C 2132 S	1	1	0	0	2	8	1	0	1	53	6910	0
LINE 107	(FLIGHT	3)										
A 2195 L	0	2	2	1	19	24	1	10	2	113	10	105
LINE 108	(FLIGHT	3)										
D 2260 L	1	6	3	4	21	45	2	18	1	141	174	85
LINE 109	(FLIGHT	3)										
F 2296 L	5	2	1	2	10	27	14	60	1	205	877	53
LINE 110	(FLIGHT	3)										
C 2350 L	1	1	0	1	13	19	1	15	1	133	47	114
LINE 111	(FLIGHT	3)										
C 2391 L	0	1	2	1	8	44	1	0	1	33	1213	0

* ESTIMATED DEPTH MAY BE UNRELIABLE BECAUSE THE STRONGER PART OF THE CONDUCTOR MAY BE DEEPER OR TO ONE SIDE OF THE FLIGHT LINE, OR BECAUSE OF A SHALLOW DIP OR OVERBURDEN EFFECTS.

ANOMALY/ FID/INTERP	COAXIAL 900 HZ REAL PPM	COAXIAL 900 HZ QUAD PPM	COPLANAR 900 HZ REAL PPM	COPLANAR 900 HZ QUAD PPM	COPLANAR 7200 HZ REAL PPM	COPLANAR 7200 HZ QUAD PPM	VERTICAL DIKE COND MHOS	VERTICAL DIKE DEPTH* M	HORIZONTAL SHEET COND MHOS	HORIZONTAL SHEET DEPTH M	CONDUCTIVE EARTH RESIS OHM-M	CONDUCTIVE EARTH DEPTH M
LINE 201 (FLIGHT 3)												
A 97 S	0	8	0	20	34	165	1	0	1	13	142	0
B 114 S	0	1	0	1	3	12	1	0	1	21	5002	0
C 126 S	0	1	0	3	6	28	1	0	1	14	1565	0
LINE 202 (FLIGHT 3)												
B 237 B?	0	2	3	8	20	80	1	0	1	19	626	0
E 222 S	0	8	0	25	77	159	1	0	1	10	172	0
F 220 S	3	8	0	25	77	159	1	0	1	117	1035	0
LINE 203 (FLIGHT 3)												
B 256 S	6	19	12	53	183	165	3	0	1	16	32	4
F 273 S	0	10	0	30	144	173	2	0	1	13	62	0
G 293 S	0	9	0	31	108	225	1	0	1	7	444	0
H 296 S	0	9	0	28	57	222	1	0	1	5	318	0
I 303 S	0	2	0	5	3	47	1	0	1	0	2462	0
J 309 S	0	1	0	2	0	12	1	0	1	40	5748	0
LINE 204 (FLIGHT 3)												
A 396 S	8	18	8	33	42	178	3	0	1	32	86	4
B 391 S	2	7	5	14	52	71	2	9	1	68	179	25
G 376 S	6	20	5	56	240	345	2	0	1	15	294	0
H 362 S	2	1	1	4	7	41	1	0	1	19	1513	0
I 358 S	0	2	1	5	7	52	1	3	1	97	999	0
K 350 S	0	1	0	4	7	47	1	0	1	157	1035	0
LINE 205 (FLIGHT 3)												
A 408 S	5	3	10	27	133	36	5	9	1	29	111	0
D 415 S	0	6	2	21	99	121	1	0	1	16	494	0
F 424 S	3	9	2	28	134	140	2	0	1	17	56	4
H 439 S	0	5	0	18	53	132	1	0	1	9	259	0
L 450 S	4	9	0	24	61	183	1	0	1	43	749	0
M 454 S	0	4	0	15	36	110	1	0	1	34	721	0
N 463 S?	0	0	0	3	0	31	1	0	1	7	3595	0
LINE 206 (FLIGHT 3)												
A 597 S	6	12	5	30	26	104	2	2	1	25	151	0
C 590 S	0	18	4	55	222	367	1	0	1	0	311	0
E 580 S	8	26	14	83	327	314	2	0	1	17	112	0
H 562 S	7	52	18	146	650	499	2	0	1	6	104	0
K 550 S	4	8	0	26	114	177	1	0	1	10	106	0
M 544 S	0	1	0	3	6	12	1	7	1	61	1007	21

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202B-KAKAGI LAKE

	COAXIAL 900 HZ		COPLANAR 900 HZ		COPLANAR 7200 HZ		VERTICAL DIKE		HORIZONTAL SHEET		CONDUCTIVE EARTH	
ANOMALY/ FID/INTERP	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	COND MHOS	DEPTH* M	COND MHOS	DEPTH M	RESIS OHM-M	DEPTH M
LINE 206 (FLIGHT 3)												
N 538 S	0	1	0	1	2	10	1	0	1	33	6079	0
LINE 207 (FLIGHT 3)												
B 617 S	2	5	2	14	80	63	3	0	1	20	54	6
D 622 B?	2	15	1	38	127	141	2	0	1	24	63	10
G 645 S	0	4	0	8	14	67	1	0	1	10	892	0
H 647 S	1	4	0	9	24	82	1	0	1	14	517	0
J 654 S	4	1	0	2	3	31	1	0	1	25	2814	0
L 660 S	6	2	0	2	3	32	1	0	1	0	3219	0
O 679 S	0	5	0	18	53	139	1	0	1	14	606	0
P 687 S	0	6	0	12	22	97	1	0	1	30	717	0
R 695 S	0	10	0	33	160	196	2	0	1	10	64	0
LINE 208 (FLIGHT 3)												
A 787 S	2	13	3	32	144	189	1	0	1	19	193	0
C 781 B?	1	13	1	30	107	165	1	0	1	28	99	12
L 730 S?	0	1	0	7	9	60	1	0	1	9	1255	0
O 721 B?	2	3	0	10	15	88	2	16	1	41	749	0
LINE 209 (FLIGHT 3)												
B 825 S	0	5	0	17	60	124	1	0	1	17	616	0
E 879 S	0	2	0	4	0	55	1	0	1	0	2521	0
LINE 210 (FLIGHT 3)												
A 1000 S	1	5	3	8	61	144	2	10	1	23	435	0
B 997 S	2	13	3	30	138	195	1	0	1	4	431	0
C 992 S	0	11	3	41	198	237	1	0	1	1	367	0
D 987 S	0	13	2	47	177	344	1	0	1	1	352	0
E 981 S	1	21	1	57	209	427	1	1	1	0	313	0
F 976 S	12	7	0	27	91	187	1	0	1	16	152	0
LINE 211 (FLIGHT 3)												
A 1021 B?	0	20	4	48	139	172	1	0	1	0	333	0
B 1026 S	0	5	2	8	23	75	2	7	1	17	626	0
D 1028 S	0	3	2	11	49	99	1	0	1	30	432	0
F 1033 S	0	3	0	7	27	64	1	0	1	52	748	0
I 1070 S	0	0	0	2	1	27	1	0	1	3	4069	0
LINE 212 (FLIGHT 3)												
A 1236 S	0	4	3	12	43	104	1	0	1	20	269	0
B 1229 B?	7	22	9	65	199	158	2	0	1	0	304	0

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	COAXIAL 900 HZ		COPLANAR 900 HZ		COPLANAR 7200 HZ		VERTICAL DIKE		HORIZONTAL SHEET		CONDUCTIVE EARTH	
ANOMALY/ FID/INTERP	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	COND MHOS	DEPTH* M	COND MHOS	DEPTH M	RESIS OHM-M	DEPTH M
LINE 212 (FLIGHT 3)												
D 1225 S	2	10	9	33	145	203	2	0	1	15	79	1
F 1218 S	0	0	0	1	5	12	1	33	1	204	1035	0
J 1195 S	2	0	0	1	0	17	1	0	1	44	6009	0
K 1193 B?	3	2	0	10	17	91	1	0	1	17	795	0
L 1189 S?	0	1	0	5	11	64	1	0	1	12	1099	0
M 1186 S	1	2	0	4	5	43	1	0	1	7	2110	0
LINE 213 (FLIGHT 3)												
A 1256 S?	4	5	2	18	92	113	2	0	1	19	81	3
C 1268 B?	0	8	0	30	99	93	2	0	1	18	53	4
D 1272 S	4	6	1	16	66	125	1	0	1	10	178	0
E 1282 S?	0	5	1	11	40	80	1	0	1	25	736	0
H 1309 S	1	13	3	53	254	192	1	0	1	0	322	0
I 1313 S	1	3	0	10	24	81	1	0	1	21	516	0
LINE 214 (FLIGHT 3)												
B 1406 B?	0	11	8	28	53	139	1	0	1	25	153	8
E 1396 S?	6	4	1	19	61	152	1	0	1	8	230	0
I 1384 S?	0	13	8	37	138	82	4	5	1	7	413	0
J 1382 S?	0	21	2	56	238	318	1	0	1	0	277	0
K 1377 S	3	3	7	11	33	24	2	17	1	76	83	56
N 1370 S?	0	9	0	26	5	227	1	0	1	12	511	0
P 1362 S?	1	3	1	6	21	64	1	0	1	12	552	0
R 1354 S	2	3	0	6	20	61	1	0	1	25	589	0
S 1350 S	0	7	0	21	101	150	1	0	1	1	490	0
LINE 215 (FLIGHT 3)												
A 1444 S	1	4	1	8	25	67	1	0	1	23	410	0
C 1449 S	3	8	1	22	81	133	1	0	1	11	110	0
F 1467 S	0	1	0	2	0	12	1	0	1	67	6627	0
J 1505 S	0	4	0	12	43	95	1	0	1	9	268	0
LINE 216 (FLIGHT 3)												
A 1612 S?	6	3	0	8	24	60	1	0	1	25	526	2
B 1609 S?	4	5	0	13	34	118	1	0	1	20	419	0
E 1599 S?	0	3	0	8	27	71	1	0	1	21	419	0
F 1579 S	1	15	0	40	151	252	1	0	1	8	99	0
G 1576 S	0	18	0	12	193	64	11	0	1	10	70	0
J 1562 S	0	3	0	11	26	92	1	0	1	21	506	0
K 1551 S?	3	4	0	12	23	97	1	0	1	18	617	0
L 1542 S	1	18	0	51	237	304	1	0	1	0	343	0

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ANOMALY/ FID/INTERP	COAXIAL 900 HZ REAL PPM	COAXIAL 900 HZ QUAD PPM	COPLANAR 900 HZ REAL PPM	COPLANAR 900 HZ QUAD PPM	COPLANAR 7200 HZ REAL PPM	COPLANAR 7200 HZ QUAD PPM	VERTICAL DIKE COND MHOS	VERTICAL DIKE DEPTH* M	HORIZONTAL SHEET COND MHOS	HORIZONTAL SHEET DEPTH M	CONDUCTIVE EARTH RESIS OHM-M	CONDUCTIVE EARTH DEPTH M
LINE 216	(FLIGHT		3)									
M 1536 S	2	12	1	27	142	134	3	0	1	18	53	5
LINE 217	(FLIGHT		3)									
A 1673 S	2	5	0	11	25	108	1	0	1	13	578	0
B 1675 S	2	3	0	7	11	72	1	0	1	14	1146	0
C 1682 S	2	23	4	5	23	155	1	0	1	3	327	0
D 1684 S	4	2	7	64	264	94	2	1	1	14	203	0
E 1698 S	5	20	4	55	270	270	3	0	1	17	29	6
G 1710 S	0	1	0	0	0	12	1	0	1	22	5687	0
LINE 218	(FLIGHT		3)									
A 1761 S	1	10	1	43	195	147	4	0	1	15	137	0
C 1750 S	0	8	0	22	58	167	1	0	1	10	269	0
D 1746 S	6	8	6	37	180	82	3	1	1	9	284	0
E 1743 S	6	1	10	46	61	61	4	10	1	15	136	0
F 1738 S	4	10	4	39	200	93	2	0	1	16	526	0
G 1729 S	7	41	12	108	476	410	4	0	1	18	20	10
I 1719 S	2	12	0	31	104	233	1	0	1	5	152	0
LINE 301	(FLIGHT		2)									
B 72 S	1	18	3	53	254	302	1	0	1	3	297	0
C 73 S	2	17	3	31	162	302	1	0	1	12	51	0
E 76 S	0	11	1	29	114	196	1	0	1	9	112	0
I 92 S	13	13	7	43	201	191	3	0	1	12	35	0
J 95 S	3	13	4	33	125	160	2	0	1	15	50	2
K 103 B	0	19	3	28	100	136	2	0	1	17	529	0
LINE 302	(FLIGHT		2)									
A 166 S	1	7	1	12	37	87	1	0	1	20	342	0
F 148 S	2	3	2	7	19	54	1	0	1	23	575	0
G 137 B	0	16	3	38	108	105	2	0	1	4	438	0
LINE 303	(FLIGHT		2)									
A 186 S?	1	13	3	40	187	238	1	0	1	6	409	0
C 191 S	0	3	0	8	29	83	1	0	1	14	441	0
D 211 S?	0	6	2	13	52	84	1	0	1	29	744	0
F 218 B	0	15	9	26	93	133	3	0	1	14	558	0
J 229 S	0	3	2	17	87	85	2	0	1	12	66	0
LINE 304	(FLIGHT		2)									
A 288 S	4	1	1	3	22	16	2	0	1	36	148	12

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	COAXIAL 900 HZ		COPLANAR 900 HZ		COPLANAR 7200 HZ		VERTICAL DIKE		HORIZONTAL SHEET		CONDUCTIVE EARTH	
ANOMALY/ FID/INTERP	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	COND MHOS	DEPTH* M	COND MHOS	DEPTH M	RESIS OHM-M	DEPTH M
LINE 304 (FLIGHT 2)												
C 274 S	1	1	1	4	4	30	1	0	1	17	2171	0
E 262 S?	0	10	0	21	57	130	1	0	1	17	227	0
F 256 S	16	7	2	30	140	215	7	9	1	7	479	0
G 252 B?	0	5	1	6	17	50	1	10	1	74	886	0
I 244 S	0	0	2	1	3	15	1	0	1	19	3033	0
LINE 305 (FLIGHT 2)												
B 316 S?	0	3	9	8	29	53	1	0	1	17	249	0
D 320 S?	0	7	3	22	33	136	1	0	1	29	343	6
E 323 S?	0	6	0	22	56	136	4	20	1	19	506	0
F 326 S?	0	10	0	21	78	145	3	9	1	17	509	0
G 328 S?	0	10	1	21	35	145	1	0	1	9	363	0
LINE 306 (FLIGHT 2)												
A 416 S?	1551	1	1	6	29	38	1	0	1	32	208	9
C 411 S?	3	10	2	29	118	201	1	0	1	14	105	0
D 399 S?	3	3	6	6	21	31	7	25	2	137	54	96
E 396 S?	0	2	0	7	21	53	1	0	1	44	268	19
F 388 S?	0	3	2	13	33	78	1	0	1	23	299	0
I 368 S?	0	1	1	0	6	5	1	32	1	139	227	105
LINE 307 (FLIGHT 2)												
B 428 S?	2	4	1	17	60	123	1	0	1	13	197	0
D 441 S?	0	1	2	3	14	29	1	0	1	46	746	13
F 448 S?	0	5	0	13	22	59	6	31	1	42	704	0
K 477 S?	1550	1550	4	2	11	7	2	24	1	117	120	90
LINE 308 (FLIGHT 2)												
A 565 S	4	8	1	25	86	135	1	0	1	17	90	2
B 562 S	5	9	1	22	112	90	2	0	1	7	481	0
C 556 S	1	6	0	16	63	134	1	0	1	18	220	0
D 550 S	2	24	2	60	280	370	1	0	1	0	290	0
F 543 S	0	14	2	34	139	220	2	0	1	15	73	2
I 518 S	0	8	0	27	67	73	1	0	1	11	479	0
N 499 S?	0	7	1	23	99	168	1	0	1	12	112	0
O 490 B	6	3	15	6	31	7	26	26	5	129	9	106
LINE 309 (FLIGHT 2)												
B 577 S	3	3	2	33	131	231	1	0	1	21	66	6
C 581 S	1	14	0	26	68	218	1	0	1	12	184	0
D 590 S	7	63	15	167	743	155	1	0	1	5	121	0

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ANOMALY/ FID/INTERP	COAXIAL 900 HZ REAL PPM	COAXIAL 900 HZ QUAD PPM	COPLANAR 900 HZ REAL PPM	COPLANAR 900 HZ QUAD PPM	COPLANAR 7200 HZ REAL PPM	COPLANAR 7200 HZ QUAD PPM	VERTICAL DIKE COND MHOS	VERTICAL DIKE DEPTH* M	HORIZONTAL SHEET COND MHOS	HORIZONTAL SHEET DEPTH M	CONDUCTIVE EARTH RESIS OHM-M	CONDUCTIVE EARTH DEPTH M
LINE 309	(FLIGHT 2)											
F 594 S	11	66	22	210	723	708	4	0	1	11	16	4
I 603 S	5	10	0	23	105	158	2	0	1	26	685	0
K 610 S?	0	7	0	9	18	72	1	0	1	22	383	0
L 613 S?	1	2	0	9	22	79	1	0	1	24	561	0
M 624 S?	0	3	2	11	30	96	8	40	1	87	886	6
Q 650 S?	0	7	0	20	53	166	1	0	1	8	286	0
T 660 S?	7	1	1	3	16	39	1	0	1	31	408	2
LINE 310	(FLIGHT 2)											
A 799 S	2	17	6	42	184	212	2	0	1	15	57	3
C 794 S	6	16	6	37	159	216	2	0	1	14	57	1
F 783 S	0	23	0	60	275	367	1	0	1	0	297	0
H 772 S	5	24	2	57	250	369	1	0	1	0	335	0
J 755 S	0	9	2	17	35	127	1	0	1	19	367	0
K 748 S	1	1	0	1	1	23	1	0	1	0	3887	0
L 745 S	1	2	0	4	4	38	1	0	1	0	2388	0
LINE 311	(FLIGHT 2)											
B 819 S?	6	11	4	34	70	43	3	0	1	29	266	0
D 825 S	4	19	0	46	148	206	1	0	1	0	332	0
G 835 S?	0	16	0	42	185	222	1	0	1	3	355	0
J 843 S?	0	12	0	22	93	153	1	0	1	23	131	6
K 853 S	1	21	5	53	240	212	1	0	1	7	269	0
L 857 S	6	0	5	36	202	103	3	9	1	2	314	0
M 862 S	0	7	0	21	66	71	2	0	1	8	186	0
O 871 S	0	1	1	2	9	10	1	31	1	57	839	22
Q 876 S?	0	4	0	11	37	76	1	0	1	21	305	0
LINE 312	(FLIGHT 2)											
A 1014 S	0	3	0	7	21	58	1	0	1	27	451	3
B 1008 S	2	5	2	25	57	95	1	0	1	21	84	6
C 1005 S	1	12	2	34	159	200	2	0	1	17	65	3
E 1000 S	0	1	0	3	7	27	1	0	1	32	1369	0
F 987 S	0	2	0	4	11	29	1	6	1	43	862	11
H 983 S?	0	13	0	32	108	125	2	0	1	28	85	12
K 976 S	0	1	0	18	104	119	1	0	1	7	434	0
M 973 S	0	6	0	20	81	130	1	0	1	15	94	1
O 966 S	0	6	0	17	75	74	2	0	1	21	83	5
LINE 313	(FLIGHT 2)											
A 1078 S?	0	1	0	2	4	19	1	0	1	23	1977	0

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LINE 314	(FLIGHT	2)										
A 1184 S	0	5	0	12	52	81	1	0	1	27	194	7
B 1179 S	0	4	0	12	48	87	1	0	1	24	222	4
D 1170 S	2	20	9	58	169	176	1	0	1	10	172	0
F 1161 S	0	9	0	27	115	198	1	0	1	7	113	0
G 1154 S?	4	2	1	3	14	11	9	50	1	136	1035	0
I 1149 S	3	5	1	16	59	121	1	0	1	9	162	0
J 1140 S?	3	0	0	0	7	4	2	50	1	130	366	93
LINE 315	(FLIGHT	2)										
A 1209 S	1	12	2	27	135	162	1	0	1	12	402	0
B 1215 S	1	19	3	43	188	247	2	0	1	17	52	5
C 1222 S?	1	5	0	7	21	63	1	1	1	31	337	9
E 1237 S?	8	4	8	8	24	30	14	40	2	85	28	58
G 1251 S?	2	6	8	13	36	83	3	13	2	73	48	42
LINE 316	(FLIGHT	2)										
A 1308 S	1	6	1	16	77	65	2	0	1	16	71	1
B 1305 S	1	5	0	16	80	97	2	0	1	15	101	0
C 1295 S	0	8	3	23	75	50	3	1	1	12	63	0
E 1282 S	1	3	7	9	29	75	1	0	1	26	359	4
F 1275 S	1	0	3	2	4	21	1	2	1	65	364	37
H 1266 B	6	5	12	13	49	47	10	11	2	74	31	44
LINE 317	(FLIGHT	2)										
A 1332 S	1	9	0	27	109	166	1	0	1	11	505	0
D 1344 S	2	10	0	27	115	172	1	0	1	12	458	0
H 1361 S?	1	1	0	2	6	28	1	0	1	20	1798	0
I 1365 S?	0	1	0	3	8	39	1	0	1	19	1406	0
K 1371 S?	4	0	0	1	8	13	1	19	1	75	758	37
LINE 401	(FLIGHT	2)										
A 1655 S	1	5	1	17	70	117	1	0	1	15	136	0
B 1660 S	1	4	0	12	59	71	1	0	1	10	135	0
C 1669 S	1	15	0	26	95	189	1	0	1	12	112	0
D 1671 S	1	15	0	23	21	204	1	0	1	9	432	0
E 1676 S	1	2	0	3	18	40	1	0	1	21	225	0
F 1681 S	2	7	0	12	48	101	1	0	1	15	173	0
G 1684 B	7	34	10	95	444	326	2	0	1	8	182	0
I 1692 S	0	4	1	5	14	36	1	0	1	23	473	0
LINE 402	(FLIGHT	2)										
A 1748 S	4	10	3	27	148	76	6	0	1	17	28	5

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LINE 402 (FLIGHT 2)												
B 1744 S	1	5	0	14	62	120	1	0	1	12	236	0
C 1737 S	0	7	0	13	53	103	1	0	1	16	232	0
D 1735 S	0	7	0	3	48	41	2	13	1	25	267	5
F 1725 S	1	23	5	22	122	69	1	0	1	0	256	0
G 1723 B?	1	20	5	62	225	135	5	0	1	14	34	4
H 1716 S	1	4	1	16	84	94	2	0	1	20	112	3
J 1708 S	0	2	5	4	24	42	1	0	1	35	42	19
LINE 403 (FLIGHT 2)												
A 1762 S	3	6	0	8	35	39	1	0	1	17	104	0
B 1764 S	1	3	0	14	29	53	1	0	1	14	288	0
C 1773 S	0	5	0	16	54	122	1	0	1	19	248	0
D 1777 S	0	2	0	2	11	35	1	0	1	32	590	5
E 1782 S	1	2	0	5	24	41	1	0	1	17	291	0
F 1785 S	2	7	0	13	77	81	1	0	1	18	663	0
G 1799 S	0	19	3	50	216	242	1	0	1	4	345	0
H 1805 S	2	6	0	16	70	130	1	0	1	22	94	6
LINE 404 (FLIGHT 2)												
A 1862 S?	0	2	0	3	11	22	1	11	1	61	684	27
B 1851 S?	2	2	0	4	13	35	1	0	1	27	839	0
C 1846 S?	1	3	0	3	18	53	1	0	1	24	607	0
E 1841 S	0	13	1	31	148	141	3	0	1	11	69	0
F 1837 S	2	16	2	42	122	148	2	0	1	11	30	0
H 1824 S	4	4	0	11	56	46	2	0	1	28	90	10
LINE 405 (FLIGHT 2)												
B 1965 S?	0	3	0	6	5	54	1	0	1	3	2264	0
C 1975 S?	2	1	0	4	6	37	1	0	1	19	1839	0
D 1988 S?	1	11	1	33	164	183	1	0	1	0	435	0
E 2008 S?	0	3	1	9	39	76	1	0	1	17	287	0
LINE 406 (FLIGHT 2)												
A 2076 S?	1	3	0	13	29	109	1	0	1	16	483	0
B 2058 S?	0	6	1	17	65	134	1	0	1	7	199	0
C 2050 S?	1	2	1	8	25	66	1	0	1	20	486	0
D 2046 S?	0	1	1	2	3	22	1	0	1	19	3370	0
F 2038 S	1	8	1	21	22	82	1	0	1	17	590	0
G 2036 S	2	8	1	21	102	140	2	0	1	13	97	0
LINE 407 (FLIGHT 3)												
A 1969 S	0	1	0	2	3	33	1	0	1	10	2795	0

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ANOMALY/ FID/INTERP	COAXIAL 900 HZ REAL PPM	COAXIAL 900 HZ QUAD PPM	COPLANAR 900 HZ REAL PPM	COPLANAR 900 HZ QUAD PPM	COPLANAR 7200 HZ REAL PPM	COPLANAR 7200 HZ QUAD PPM	VERTICAL DIKE COND MHOS	VERTICAL DIKE DEPTH* M	HORIZONTAL SHEET COND MHOS	HORIZONTAL SHEET DEPTH M	CONDUCTIVE EARTH RESIS OHM-M	CONDUCTIVE EARTH DEPTH M
LINE 407	(FLIGHT		3)									
C 1980 S?	1	8	1	19	93	28	10	1	1	19	108	3
D 1982 S?	1	8	0	20	82	147	1	0	1	13	150	0
LINE 408	(FLIGHT		3)									
C 2083 S	0	2	4	5	22	31	2	30	1	110	196	57
E 2075 S	2	1	0	2	8	38	1	0	1	35	606	6
F 2068 S	2	9	3	35	163	161	1	0	1	38	258	0
G 2065 S	6	20	6	53	262	166	5	0	1	11	21	1
J 2049 S	2	17	2	54	230	342	2	0	1	16	58	4
K 2047 S	2	17	2	58	267	373	1	0	1	6	323	0
M 2040 S	0	4	0	10	21	102	1	0	1	14	642	0
O 2036 S	4	8	1	27	82	219	1	0	1	13	194	0
P 2027 S	1	5	1	11	38	65	1	0	1	14	346	0
U 2011 S?	0	1	1	2	4	23	1	0	1	28	1914	0
LINE 409	(FLIGHT		3)									
A 2101 S	770	8	1	22	107	129	2	0	1	11	74	0
C 2105 S?	0	10	2	21	97	142	1	0	1	12	94	0
D 2117 S	3	3	1	8	21	61	1	0	1	41	278	16
E 2118 S	3	3	0	8	28	61	1	0	1	15	334	0
F 2135 S	0	3	0	8	22	77	1	0	1	13	554	0
H 2142 S	2	14	1	45	198	186	3	0	1	16	61	3
I 2143 S	2	14	0	45	190	186	3	0	1	17	57	4
K 2153 S	0	7	0	18	74	110	1	0	1	21	678	0
M 2160 S?	1	1	0	4	4	45	1	0	1	0	2980	0
N 2172 S	1	1	0	3	7	31	1	0	1	36	1382	3
LINE 410	(FLIGHT		3)									
A 2325 S	3	17	2	47	234	282	2	0	1	9	50	0
B 2321 S?	4	21	4	48	247	211	4	0	1	15	33	4
C 2317 S	4	4	0	8	29	76	1	0	1	28	315	6
D 2311 S	3	6	0	8	28	69	1	0	1	40	232	18
E 2308 S	0	6	1	13	47	111	1	0	1	12	250	0
H 2290 S	6	13	1	41	184	248	2	0	1	15	348	0
I 2286 S	3	13	1	35	169	217	1	0	1	45	314	4
J 2283 S	3	7	1	18	57	124	1	0	1	16	243	0
K 2272 S?	3	9	1	27	107	150	2	0	1	12	121	0
N 2252 S	5	2	0	5	15	51	1	0	1	12	732	0
LINE 411	(FLIGHT		3)									
A 2348 S?	3	14	2	26	122	151	2	0	1	13	79	0

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202B-KAKAGI LAKE

	COAXIAL 900 HZ		COPLANAR 900 HZ		COPLANAR 7200 HZ		VERTICAL DIKE		HORIZONTAL SHEET		CONDUCTIVE EARTH	
ANOMALY/ FID/INTERP	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	COND MHOS	DEPTH* M	COND MHOS	DEPTH M	RESIS OHM-M	DEPTH M
LINE 411 (FLIGHT 3)												
B 2357 S	2	4	1	9	32	67	1	0	1	28	231	7
C 2360 S	1	9	1	22	89	149	1	0	1	8	123	0
F 2381 S	6	2	0	7	21	64	1	0	1	14	538	0
H 2387 S	0	4	1	16	62	112	1	0	1	11	172	0
K 2404 S	8	3	0	10	34	90	1	0	1	17	360	0
L 2406 S	5	3	0	6	11	48	1	0	1	18	1046	0
M 2413 S	2	11	2	35	173	148	1	0	1	8	492	0
LINE 412 (FLIGHT 3)												
A 2562 S?	4	21	6	56	271	219	1	0	1	2	213	0
C 2553 S	3	6	1	15	68	88	1	0	1	15	116	0
D 2551 S	4	5	1	16	74	39	4	0	1	14	121	0
E 2518 S	0	2	0	6	28	58	1	0	1	21	343	0
F 2509 S	0	3	0	10	25	76	1	0	1	19	491	0
G 2504 S	1	18	1	55	246	343	1	0	1	0	323	0
H 2492 S	1	6	0	9	38	70	1	0	1	22	220	0
LINE 413 (FLIGHT 3)												
A 2580 S	4	13	2	36	178	115	1	0	1	0	451	0
C 2587 S	5	1	0	1	9	17	1	0	1	48	549	15
D 2593 S	1	6	0	13	56	47	2	0	1	12	163	0
E 2596 S	2	7	0	18	98	95	2	0	1	13	73	0
G 2622 S	0	8	0	26	103	152	1	0	1	10	121	0
H 2625 S	3	1	0	6	5	44	4	42	1	136	1035	0
LINE 414 (FLIGHT 3)												
A 2707 S	4	21	5	59	301	264	1	0	1	4	193	0
B 2702 S?	3	4	1	7	25	61	1	0	1	20	283	0
C 2695 S	0	6	1	13	50	88	1	0	1	14	146	0
D 2693 S	3	5	0	15	79	95	2	0	1	12	105	0
F 2690 S?	0	6	1	20	80	144	1	0	1	21	151	4
I 2671 S	2	12	0	41	166	288	1	0	1	7	421	0
K 2657 S	2	4	0	12	32	103	1	0	1	6	451	0
LINE 415 (FLIGHT 3)												
C 2735 S	5	22	7	61	10	42	2	0	1	5	203	0
D 2737 S	4	22	6	58	257	255	1	0	1	0	251	0
F 2764 S	0	9	0	33	121	138	2	0	1	11	123	0
LINE 416 (FLIGHT 3)												
A 2840 S	2	22	7	60	265	235	1	0	1	10	154	0

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ANOMALY/ FID/INTERP	COAXIAL 900 HZ REAL PPM	COAXIAL 900 HZ QUAD PPM	COPLANAR 900 HZ REAL PPM	COPLANAR 900 HZ QUAD PPM	COPLANAR 7200 HZ REAL PPM	COPLANAR 7200 HZ QUAD PPM	VERTICAL DIKE COND MHOS	VERTICAL DIKE DEPTH* M	HORIZONTAL SHEET COND MHOS	HORIZONTAL SHEET DEPTH M	CONDUCTIVE EARTH RESIS OHM-M	CONDUCTIVE EARTH DEPTH M
LINE 416	(FLIGHT		3)									
C 2837 S	8	30	14	79	336	27	2	0	1	17	124	0
D 2833 S?	4	2	1	6	20	52	1	0	1	26	549	0
F 2798 S	7	45	11	116	542	425	5	0	1	11	16	3
G 2793 S	4	19	6	59	284	247	1	0	1	0	327	0
LINE 417	(FLIGHT		3)									
A 2892 S	2	22	6	57	260	198	1	0	1	8	153	0
B 2897 S?	3	6	1	14	55	85	1	0	1	19	199	0
D 2905 S	0	6	1	22	98	135	2	0	1	17	90	1
F 2911 S	3	29	10	72	332	92	1	0	1	10	204	0
H 2928 S	3	7	1	23	102	154	1	0	1	21	108	5
I 2932 S?	4	9	1	22	79	118	1	0	1	8	166	0
LINE 418	(FLIGHT		3)									
B 3164 S	4	12	2	32	131	135	2	0	1	10	66	0
C 3161 S	3	14	2	25	118	176	2	0	1	10	65	0
D 3158 S	9	14	2	35	150	204	2	0	1	14	53	1
G 3149 S	3	20	7	53	234	216	1	0	1	11	364	0
I 3143 S	4	11	2	31	160	122	4	0	1	17	39	5
K 3139 S	0	2	2	6	19	53	1	0	1	32	562	5
L 3129 S	1	4	1	12	46	99	1	0	1	13	259	0
N 3124 S	0	1	0	3	21	24	1	15	1	50	336	24
O 3120 S	2	3	1	10	50	68	1	0	1	15	137	0
P 3111 S	2	6	1	14	71	79	2	0	1	21	84	4
LINE 419	(FLIGHT		3)									
A 3182 S	3	4	0	2	11	12	4	42	1	117	1035	0
D 3194 S	3	19	6	49	234	183	1	0	1	7	238	0
F 3210 S	0	15	0	44	179	200	2	0	1	10	83	0
H 3220 S	0	12	1	35	165	185	1	0	1	0	405	0
I 3225 S	0	1	0	6	21	60	1	0	1	14	455	0
J 3229 S	3	2	0	4	19	40	1	0	1	16	426	0
LINE 420	(FLIGHT		3)									
A 3297 S?	1	5	1	11	37	92	1	0	1	18	297	0
B 3289 S	6	26	3	69	316	276	1	0	1	7	248	0
C 3277 S	0	12	1	27	95	188	1	0	1	11	140	0
E 3273 S	7	4	1	8	35	82	1	0	1	23	333	1
F 3272 S	4	4	1	8	24	78	1	0	1	13	542	0
G 3264 S	2	24	3	75	339	498	1	0	1	0	295	0
H 3250 S	1	3	1	6	16	67	1	0	1	25	690	0

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ANOMALY/ FID/INTERP	COAXIAL 900 HZ REAL PPM	COAXIAL 900 HZ QUAD PPM	COPLANAR 900 HZ REAL PPM	COPLANAR 900 HZ QUAD PPM	COPLANAR 7200 HZ REAL PPM	COPLANAR 7200 HZ QUAD PPM	VERTICAL DIKE COND MHOS	VERTICAL DIKE DEPTH* M	HORIZONTAL SHEET COND MHOS	HORIZONTAL SHEET DEPTH M	CONDUCTIVE EARTH RESIS OHM-M	CONDUCTIVE EARTH DEPTH M
LINE 420	(FLIGHT		3)									
I 3241 S	5	13	4	33	158	137	2	0	1	9	335	0
LINE 421	(FLIGHT		3)									
B 3324 S	4	12	5	40	70	66	2	0	1	11	173	0
D 3328 S	4	31	4	71	334	364	3	0	1	15	31	5
E 3332 S	6	10	1	24	108	135	2	0	1	13	539	0
G 3352 S	0	9	1	23	112	148	2	0	1	7	97	0
H 3353 S	1	9	1	23	37	148	1	0	1	27	257	5
J 3361 S	1551	1	1	4	11	47	1	0	1	7	1038	0

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ANOMALY/	FID/INTERP	COAXIAL 900 HZ REAL PPM	COAXIAL 900 HZ QUAD PPM	COPLANAR 900 HZ REAL PPM	COPLANAR 900 HZ QUAD PPM	COPLANAR 7200 HZ REAL PPM	COPLANAR 7200 HZ QUAD PPM	VERTICAL DIKE COND MHOS	VERTICAL DIKE DEPTH* M	HORIZONTAL SHEET COND MHOS	HORIZONTAL SHEET DEPTH M	CONDUCTIVE EARTH RESIS OHM-M	CONDUCTIVE EARTH DEPTH M
LINE 501	(FLIGHT 6)												
A	80 S	775	2	2	2	9	10	1	0	1	31	426	0
B	91 S	0	5	3	16	77	62	3	0	1	18	63	3
D	106 S	1	5	3	18	83	49	4	0	1	14	31	0
E	113 S	1	8	1	27	66	185	1	0	1	6	102	0
G	124 S	0	2	1	2	9	33	1	0	1	26	1137	0
LINE 502	(FLIGHT 6)												
A	194 S	2	8	1	20	76	141	1	0	1	13	161	0
B	189 S	0	2	0	4	12	9	1	0	1	110	1035	0
D	177 S	4	1	0	1	4	23	1	0	1	17	2263	0
E	169 S	1	4	0	12	28	104	1	0	1	17	496	0
F	167 S	1	3	0	9	30	91	1	0	1	21	463	0
G	158 S	2	11	0	29	90	243	1	0	1	6	190	0
LINE 503	(FLIGHT 6)												
A	220 S	2	2	1	5	28	24	2	0	1	24	156	0
B	226 S	1	5	0	13	53	87	1	0	1	18	157	0
C	229 S	0	4	1	12	58	65	2	0	1	17	103	0
D	246 S?	0	2	1	2	12	32	1	0	1	25	690	0
F	266 S	2	8	2	21	116	98	3	0	1	12	45	0
LINE 504	(FLIGHT 6)												
A	344 S	1	15	4	33	147	126	1	0	1	15	251	0
B	338 S	0	5	1	9	42	71	1	0	1	17	152	0
C	334 S	0	5	3	10	4	51	1	0	1	51	273	2
D	328 S?	0	4	1	10	41	38	2	0	1	37	132	17
F	301 S	2	8	0	19	44	169	1	0	1	10	355	0
G	291 S	1	11	0	27	119	198	1	0	1	7	525	0
LINE 505	(FLIGHT 6)												
A	363 S	2	2	1	2	19	20	1	0	1	24	106	4
B	369 S	2	7	8	19	68	39	3	0	1	32	111	0
C	379 S?	0	3	0	6	30	44	1	0	1	45	168	23
E	385 S	2	1	1	2	12	24	1	0	1	25	605	0
F	395 S	3	14	2	27	48	90	1	0	1	20	67	6
G	397 S	2	14	1	33	146	221	2	0	1	13	88	0
H	408 S	1	8	3	20	109	101	2	0	1	12	52	0
LINE 506	(FLIGHT 6)												
A	479 S	3	1	4	25	107	85	3	0	1	21	53	7
C	473 S	4	9	11	26	64	116	4	15	1	31	68	6

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ANOMALY/ FID/INTERP	COAXIAL 900 HZ REAL PPM	COAXIAL 900 HZ QUAD PPM	COPLANAR 900 HZ REAL PPM	COPLANAR 900 HZ QUAD PPM	COPLANAR 7200 HZ REAL PPM	COPLANAR 7200 HZ QUAD PPM	VERTICAL DIKE COND MHOS	VERTICAL DIKE DEPTH* M	HORIZONTAL SHEET COND MHOS	HORIZONTAL SHEET DEPTH M	CONDUCTIVE EARTH RESIS OHM-M	CONDUCTIVE EARTH DEPTH M
LINE 506	(FLIGHT		6)									
F 465 S	2	18	2	41	181	253	1	0	1	3	353	0
G 460 S?	0	2	2	4	27	37	1	12	1	37	391	12
J 455 S	0	1	1	3	7	18	1	2	1	17	1416	0
L 442 S	2	8	1	17	41	154	1	0	1	12	379	0
M 430 S?	2	3	1	2	21	9	4	21	1	100	43	82
N 428 S	2	3	1	8	35	66	1	0	1	11	273	0
LINE 507	(FLIGHT		6)									
B 655 S	4	8	9	28	71	53	3	1	1	22	48	9
C 651 S	3	5	6	13	41	11	3	15	1	28	101	0
D 645 S	0	15	5	31	126	154	2	0	1	17	64	4
E 618 S	1	8	2	30	152	149	1	0	1	7	370	0
F 611 S?	1	1	1	4	7	46	1	0	1	6	1377	0
LINE 508	(FLIGHT		6)									
A 693 S	2	6	2	22	111	86	3	0	1	17	64	3
C 724 S	1	24	1	64	269	442	2	0	1	9	59	0
D 728 S	1	2	1	8	17	77	1	0	1	11	665	0
LINE 509	(FLIGHT		6)									
A 877 S	1	14	1	25	121	158	1	0	1	13	552	0
B 868 S?	1	3	0	2	12	31	1	13	1	187	1035	0
E 822 S	1	13	3	44	212	162	1	0	1	0	387	0
F 786 S	1	8	3	26	108	116	1	0	1	5	506	0
LINE 510	(FLIGHT		6)									
A 895 S	1	14	1	40	193	197	1	0	1	0	390	0
B 913 S	0	2	0	9	36	51	1	0	1	21	193	0
C 924 S	2	4	0	18	90	97	1	0	1	22	742	0
E 928 S	3	6	0	21	87	148	1	0	1	17	120	0
F 932 S	2	2	0	15	63	112	1	2	1	24	675	0
G 934 S	0	6	0	18	46	131	1	0	1	9	109	0
H 938 S	2	9	3	57	282	233	1	0	1	0	348	0
J 954 S	0	5	0	19	82	87	2	0	1	12	107	0
K 964 S	0	4	1	16	52	99	1	0	1	13	203	0
L 968 B?	11	18	14	42	151	192	5	2	1	22	223	0
M 973 S	1	9	4	23	95	173	1	0	1	18	44	6
LINE 511	(FLIGHT		6)									
A 1076 S	0	0	0	3	6	19	1	7	1	49	1327	12
C 1071 S	3	0	0	1	0	14	1	0	1	53	6303	0

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ANOMALY/ FID/INTERP	COAXIAL 900 HZ REAL PPM	COAXIAL 900 HZ QUAD PPM	COPLANAR 900 HZ REAL PPM	COPLANAR 900 HZ QUAD PPM	COPLANAR 7200 HZ REAL PPM	COPLANAR 7200 HZ QUAD PPM	VERTICAL DIKE COND MHOS	VERTICAL DIKE DEPTH* M	HORIZONTAL SHEET COND MHOS	HORIZONTAL SHEET DEPTH M	CONDUCTIVE EARTH RESIS OHM-M	CONDUCTIVE EARTH DEPTH M
LINE 511	(FLIGHT		6)									
E 1063 S	0	1	0	3	7	42	1	0	1	11	1364	0
F 1048 S	1	14	0	43	216	219	1	0	1	0	409	0
G 1044 S	2	5	0	14	63	118	1	0	1	21	173	2
H 1027 S	2	29	8	84	387	292	5	0	1	13	17	4
I 1020 S	0	17	4	41	175	144	1	0	1	8	309	0
L 1002 S	5	22	8	63	272	17	2	0	1	13	190	0
M 998 B?	16	10	17	24	89	50	13	22	1	18	140	0
O 995 S	7	20	20	36	141	120	3	2	1	20	31	10
LINE 512	(FLIGHT		6)									
A 1107 S?	0	0	0	1	5	11	1	10	1	42	6065	0
F 1150 S	2	6	9	31	115	64	5	0	1	22	25	10
LINE 513	(FLIGHT		6)									
A 1251 S?	3	2	2	9	20	82	1	0	1	12	630	0
C 1232 S	5	28	10	73	345	336	2	0	1	11	155	0
D 1226 S	7	5	4	11	42	94	1	0	1	17	268	0
F 1203 S	6	11	8	28	73	178	1	0	1	16	39	4
G 1197 S	4	9	9	23	42	66	3	5	1	21	85	0
H 1187 S	3	6	5	9	22	78	3	7	1	23	109	0
LINE 514	(FLIGHT		6)									
A 1334 S?	0	1	0	5	13	45	1	0	1	12	804	0
B 1343 S	0	0	0	2	1	34	1	0	1	0	3457	0
C 1350 S	2	6	1	20	73	113	1	0	1	18	138	1
E 1360 S	5	13	1	34	200	36	2	0	1	12	202	0
F 1364 S	8	14	10	29	109	143	4	0	1	31	97	0
H 1371 S	2	1	0	1	11	18	1	0	1	41	559	8
J 1377 S	3	5	1	14	51	107	1	0	1	17	216	0
L 1381 S	3	10	2	25	80	149	1	0	1	16	70	2
M 1386 S	2	7	0	15	72	100	1	0	1	16	113	1
N 1389 S	2	11	2	21	111	147	2	0	1	14	75	1
O 1391 S	2	11	1	18	88	155	1	0	1	15	63	3
LINE 515	(FLIGHT		6)									
B 1490 S?	1	2	1	3	11	46	1	0	1	32	687	3
C 1480 S	0	13	0	34	141	258	1	0	1	8	102	0
E 1473 S	1	8	0	22	76	180	1	0	1	11	188	0
F 1470 S	6	13	3	32	110	198	2	1	1	9	426	0
G 1462 S	1	18	1	34	162	255	2	0	1	11	69	0
I 1451 S	8	9	10	29	119	33	5	14	1	28	92	1

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202B-KAKAGI LAKE

ANOMALY/ FID/INTERP	COAXIAL 900 HZ REAL PPM	COAXIAL 900 HZ QUAD PPM	COPLANAR 900 HZ REAL PPM	COPLANAR 900 HZ QUAD PPM	COPLANAR 7200 HZ REAL PPM	COPLANAR 7200 HZ QUAD PPM	VERTICAL DIKE COND MHOS	VERTICAL DIKE DEPTH* M	HORIZONTAL SHEET COND MHOS	HORIZONTAL SHEET DEPTH M	CONDUCTIVE EARTH RESIS OHM-M	CONDUCTIVE EARTH DEPTH M
LINE 515 (FLIGHT 6)												
J 1449 S	5	12	10	29	122	33	13	6	1	18	27	8
K 1446 S	4	10	6	23	82	45	4	3	1	16	64	2
L 1443 S	0	12	2	34	145	201	2	0	1	10	103	0
M 1431 S	0	6	0	11	33	104	1	0	1	17	295	0
N 1427 S	4	18	2	34	131	257	1	0	1	6	356	0
O 1420 S	11	25	22	87	139	51	4	1	1	20	70	0
P 1412 S	2	10	6	20	96	202	1	0	1	17	39	6
LINE 516 (FLIGHT 6)												
C 1539 S	1	3	1	3	11	13	1	10	1	68	128	45
D 1546 S	0	4	2	7	25	39	1	0	1	23	130	2
E 1556 S	7	11	11	35	116	67	4	0	1	20	19	9
F 1558 S	5	5	13	34	173	91	4	2	1	22	77	0
H 1564 S	1	10	1	27	108	199	1	0	1	14	88	0
J 1570 S	2	3	5	23	132	109	3	0	1	17	47	4
K 1579 S	6	4	7	6	37	33	11	26	1	28	56	1
L 1586 S	1	6	2	12	62	61	2	0	1	17	44	5
LINE 517 (FLIGHT 6)												
A 1686 S	0	5	1	15	41	118	1	0	1	16	304	0
C 1680 S	0	12	3	43	205	272	2	0	1	12	58	0
D 1665 B?	8	39	13	94	430	470	2	0	1	9	139	0
E 1663 B	13	39	21	94	430	466	3	0	1	23	95	0
F 1661 B	14	16	21	49	58	130	6	15	2	72	46	44
G 1650 S	2	15	3	33	165	184	2	0	1	12	55	0
H 1643 S	5	17	4	35	158	158	2	0	1	13	194	0
I 1638 S	2	11	3	25	146	90	1	0	1	5	335	0
J 1633 S	1	6	2	15	70	129	1	0	1	13	112	0
K 1627 S?	9	21	10	43	171	194	3	7	1	14	223	0
M 1624 S	2	19	10	37	191	261	2	0	1	15	50	4
N 1620 S	1	11	3	40	170	102	1	1	1	18	209	0
O 1617 S	6	10	7	40	120	102	3	10	1	17	163	0
P 1614 S	6	29	8	61	270	197	2	1	1	11	177	0
LINE 518 (FLIGHT 6)												
B 1719 S	2	17	4	44	199	263	2	0	1	15	54	2
C 1730 S?	3	21	4	46	215	279	1	0	1	13	198	0
D 1732 B	14	28	13	80	374	240	3	0	1	10	116	0
F 1744 S	0	10	1	28	102	196	1	0	1	10	128	0
G 1746 S	4	9	1	20	107	160	1	0	1	14	67	0
H 1751 S	0	6	1	12	53	101	1	0	1	11	203	0

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	COAXIAL 900 HZ		COPLANAR 900 HZ		COPLANAR 7200 HZ		VERTICAL DIKE		HORIZONTAL SHEET		CONDUCTIVE EARTH	
ANOMALY/ FID/INTERP	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	COND MHOS	DEPTH* M	COND MHOS	DEPTH M	RESIS OHM-M	DEPTH M
LINE 518	(FLIGHT	6)										
I 1766 S	1	7	7	23	94	68	2	0	1	34	83	1
J 1770 S	2	5	3	17	85	81	2	2	1	19	203	0
LINE 519	(FLIGHT	6)										
B 1878 S	1	6	1	14	37	134	1	0	1	8	399	0
C 1871 S?	4	2	1	5	17	47	1	0	1	21	563	0
D 1863 B?	2	9	6	17	62	92	2	0	1	53	110	15
E 1846 S	1	2	1	3	7	32	1	0	1	32	1199	1
F 1833 S	5	2	0	6	10	54	1	0	1	20	1137	0
G 1824 S	9	15	11	35	136	143	4	4	1	46	144	10
I 1821 S	8	10	7	1	48	29	9	26	1	20	177	0
J 1819 S	1	12	5	39	177	236	2	0	1	14	67	1
K 1813 S	1	5	1	15	75	104	1	0	1	22	109	5
L 1808 S	2	4	1	10	49	102	1	0	1	34	495	0
LINE 520	(FLIGHT	6)										
A 1964 S	0	3	1	9	35	75	1	0	1	13	303	0
B 1979 S?	3	2	2	7	27	65	1	0	1	13	371	0
C 1989 S	2	14	4	37	172	189	1	0	1	22	221	0
D 1991 S	5	19	3	38	179	223	2	0	1	15	262	0
E 1999 S	0	10	5	29	142	119	3	0	1	11	37	0
LINE 521	(FLIGHT	6)										
A 2079 S	4	6	5	44	212	213	3	0	1	16	71	3
B 2074 S	1	6	1	22	70	174	1	0	1	11	190	0
C 2072 S	0	11	1	37	101	318	1	0	1	13	239	0
E 2050 S	3	14	4	30	110	149	2	0	1	17	97	1
G 2041 S	0	14	2	34	166	234	2	0	1	7	68	0
I 2035 S?	0	3	1	7	17	67	1	0	1	16	692	0
LINE 522	(FLIGHT	6)										
A 2125 S	2	5	2	9	56	75	1	0	1	17	71	3
B 2129 S	0	6	1	16	65	117	1	0	1	14	175	0
C 2134 S?	1	2	0	4	15	43	1	0	1	16	688	0
D 2150 S	3	19	4	48	253	234	1	0	1	2	250	0
F 2159 S?	3	2	1	7	32	58	1	0	1	13	290	0
LINE 523	(FLIGHT	6)										
A 2233 S	1	9	2	20	71	94	1	0	1	17	58	4
LINE 524	(FLIGHT	6)										
A 2247 S	1	1	0	4	19	42	1	0	1	16	324	0

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ANOMALY/ FID/INTERP	COAXIAL 900 HZ REAL PPM	COAXIAL 900 HZ QUAD PPM	COPLANAR 900 HZ REAL PPM	COPLANAR 900 HZ QUAD PPM	COPLANAR 7200 HZ REAL PPM	COPLANAR 7200 HZ QUAD PPM	VERTICAL DIKE COND MHOS	VERTICAL DIKE DEPTH* M	HORIZONTAL SHEET COND MHOS	HORIZONTAL SHEET DEPTH M	CONDUCTIVE EARTH RESIS OHM-M	CONDUCTIVE EARTH DEPTH M
LINE 524	(FLIGHT		6)									
C 2271 S?	3	1	1	1	4	11	1	0	1	52	1578	8
LINE 525	(FLIGHT		6)									
A 2372 S	2	7	1	12	28	141	1	0	1	12	484	0
B 2360 S	1	24	1	58	251	416	1	1	1	2	321	0
C 2357 S	1	9	1	26	51	145	1	0	1	14	314	0
D 2322 S?	1	2	1	6	9	47	1	0	1	16	1243	0
LINE 526	(FLIGHT		6)									
B 2388 S	3	13	3	30	135	135	1	0	1	18	270	0
C 2399 S	1	9	1	23	86	97	2	0	1	14	173	0
D 2401 S	1	11	1	27	61	98	1	0	1	11	451	0
LINE 527	(FLIGHT		6)									
A 2569 S	1	12	6	48	235	162	1	0	1	8	250	0
E 2537 S	1	3	0	7	15	74	1	2	1	71	837	0
F 2531 S	0	3	0	9	12	72	1	0	1	16	1066	0
H 2511 S	0	22	6	61	303	291	1	0	1	5	231	0
LINE 528	(FLIGHT		6)									
A 2605 S?	2	1	1	1	5	28	1	0	1	32	1698	0
B 2624 S	2	1	1	4	27	15	3	13	1	36	158	15
C 2635 S	2	2	0	7	22	59	1	0	1	22	505	0
LINE 529	(FLIGHT		6)									
B 2712 S	2	4	1	8	39	17	2	22	1	51	672	0
C 2710 S	4	2	1	7	26	20	2	23	1	29	212	10
D 2706 S	1	4	1	11	45	99	1	0	1	24	437	1
F 2693 S	0	4	1	12	37	96	1	0	1	23	321	1
LINE 530	(FLIGHT		6)									
B 2780 S	0	2	1	5	19	56	1	0	1	24	512	0
LINE 531	(FLIGHT		6)									
A 2887 S	0	1	0	3	0	32	1	0	1	3	3370	0
B 2865 S	3	4	0	11	15	68	1	0	1	14	831	0
D 2852 S	1	5	0	17	40	151	1	0	1	11	391	0
LINE 534	(FLIGHT		6)									
A 3073 S	2	5	0	13	41	116	1	0	1	13	306	0
B 3092 S	1551	1	0	2	19	20	1	0	1	33	239	6

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202B-KAKAGI LAKE

ANOMALY/ FID/INTERP	COAXIAL 900 HZ REAL PPM	COAXIAL 900 HZ QUAD PPM	COPLANAR 900 HZ REAL PPM	COPLANAR 900 HZ QUAD PPM	COPLANAR 7200 HZ REAL PPM	COPLANAR 7200 HZ QUAD PPM	VERTICAL DIKE COND MHOS	VERTICAL DIKE DEPTH* M	HORIZONTAL SHEET COND MHOS	HORIZONTAL SHEET DEPTH M	CONDUCTIVE EARTH RESIS OHM-M	CONDUCTIVE EARTH DEPTH M
LINE 535 (FLIGHT 6)												
B 3115 S	2	1	0	2	0	22	8	90	1	217	1035	0
C 3105 S	1	2	1	4	17	17	1	0	1	31	293	3
LINE 536 (FLIGHT 6)												
A 3209 S	0	2	0	3	25	32	1	0	1	20	251	0
LINE 538 (FLIGHT 6)												
A 3289 S	2	1	0	3	4	21	1	0	1	3	2258	0
LINE 539 (FLIGHT 6)												
B 3377 S	1	2	0	4	11	44	1	0	1	26	982	0
LINE 601 (FLIGHT 5)												
A 2020 S	1	4	2	10	50	66	1	0	1	13	151	0
B 2015 S?	1	3	1	6	16	36	1	0	1	34	571	5
C 1999 S	6	14	1	32	137	242	1	0	1	9	107	0
D 1995 S	6	1	1	1	7	11	1	26	1	46	1175	11
E 1963 S	2	8	1	6	9	6	1	0	1	81	689	0
LINE 602 (FLIGHT 5)												
B 1894 S	1	3	1	5	22	55	1	0	1	27	551	2
C 1901 S	2	20	2	45	225	281	1	0	1	3	339	0
D 1917 S	0	6	0	8	20	83	1	0	1	6	674	0
G 1929 S	14	3	1	3	6	35	1	0	1	14	1826	0
I 1937 S?	1	2	0	4	9	54	1	0	1	18	1244	0
LINE 603 (FLIGHT 5)												
B 1862 S	1	2	0	3	12	31	1	0	1	19	762	0
D 1851 S	5	7	9	23	112	42	8	6	1	16	43	4
E 1846 S	5	15	7	38	162	118	2	2	1	12	130	0
G 1835 S	5	24	4	54	257	244	1	0	1	6	267	0
H 1827 S	4	2	0	4	18	46	1	0	1	17	634	0
LINE 604 (FLIGHT 5)												
C 1764 S	3	25	3	60	297	377	1	0	1	0	275	0
E 1775 S	4	12	2	8	46	178	2	13	1	9	304	0
F 1777 S	3	17	3	40	164	210	2	0	1	12	44	1
LINE 605 (FLIGHT 5)												
A 1730 S	0	5	0	9	27	73	1	0	1	14	492	0
B 1727 S	2	20	2	61	280	372	1	0	1	0	318	0

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202B-KAKAGI LAKE

	COAXIAL 900 HZ		COPLANAR 900 HZ		COPLANAR 7200 HZ		VERTICAL DIKE		HORIZONTAL SHEET		CONDUCTIVE EARTH	
ANOMALY/ FID/INTERP	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	COND MHOS	DEPTH* M	COND MHOS	DEPTH M	RESIS OHM-M	DEPTH M
LINE 605 (FLIGHT 5)												
C 1721 S	2	15	1	35	159	247	2	0	1	14	61	2
D 1717 S	2	18	1	35	133	248	1	0	1	14	92	0
E 1709 S	1	19	0	45	151	380	1	0	1	3	344	0
LINE 606 (FLIGHT 5)												
A 1547 S	1551	5	1	12	62	85	1	0	1	13	133	0
B 1553 S	2	11	0	26	101	216	1	0	1	16	516	0
D 1559 S	2	8	0	10	40	89	1	0	1	29	701	0
E 1568 S	7	20	2	41	152	232	2	0	1	1	309	0
F 1570 S	0	22	0	51	197	349	1	4	1	3	329	0
H 1582 S	4	20	0	39	181	256	2	0	1	11	67	0
LINE 607 (FLIGHT 5)												
B 1494 S	2	8	1	11	36	80	1	0	1	11	341	0
C 1481 S	6	27	3	61	269	360	1	0	1	8	298	0
E 1478 S	5	16	3	33	139	206	2	0	1	28	530	0
F 1473 S	7	26	5	62	264	328	2	0	1	12	283	0
G 1470 S	1	4	5	62	264	63	1	0	1	15	218	0
L 1438 S	1548	10	1	15	74	105	1	0	1	15	121	0
LINE 608 (FLIGHT 5)												
A 1375 S	0	11	2	29	140	64	7	0	1	17	54	4
B 1382 S	3	8	5	22	106	44	2	0	1	14	219	0
C 1389 S	3	11	2	27	139	109	3	0	1	17	48	5
I 1425 S	9	11	8	28	102	121	4	0	1	23	198	0
LINE 609 (FLIGHT 5)												
B 1359 S	7	8	8	48	170	120	3	6	1	14	177	0
C 1355 S	4	9	6	22	100	39	7	10	1	17	44	6
E 1339 S	3	8	3	10	61	38	3	8	1	17	64	4
F 1324 S	5	15	0	30	129	204	1	0	1	14	97	0
LINE 610 (FLIGHT 5)												
A 1200 S	4	15	0	38	134	229	1	0	1	15	99	1
B 1205 S	8	9	3	18	33	50	4	8	1	3	466	0
C 1214 S?	4	8	0	16	64	144	1	0	1	9	221	0
D 1219 S	4	17	2	38	189	211	1	0	1	0	345	0
E 1227 S	2	17	0	41	178	263	2	0	1	14	75	0
G 1250 S	0	8	2	13	64	50	2	0	1	20	81	3
LINE 611 (FLIGHT 5)												
A 1180 S	0	6	3	13	70	56	3	4	1	16	59	3

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ANOMALY/ FID/INTERP	COAXIAL 900 HZ REAL PPM	COAXIAL 900 HZ QUAD PPM	COPLANAR 900 HZ REAL PPM	COPLANAR 900 HZ QUAD PPM	COPLANAR 7200 HZ REAL PPM	COPLANAR 7200 HZ QUAD PPM	VERTICAL DIKE COND MHOS	VERTICAL DIKE DEPTH* M	HORIZONTAL SHEET COND MHOS	HORIZONTAL SHEET DEPTH M	CONDUCTIVE EARTH RESIS OHM-M	CONDUCTIVE EARTH DEPTH M
LINE 611	(FLIGHT		5)									
D 1149 S	0	5	0	10	28	97	1	0	1	9	472	0
E 1132 S	0	5	0	6	16	54	1	0	1	93	992	0
F 1127 S	2	8	0	9	34	78	1	0	1	33	726	0
LINE 612	(FLIGHT		5)									
C 1057 S	0	1	1	12	23	38	1	0	1	20	45	5
G 1084 S	0	1	0	0	0	12	1	0	1	78	7638	0
I 1099 S	1	12	0	14	44	29	1	0	1	33	752	0
K 1106 S	3	6	1	20	98	85	3	0	1	16	68	2
LINE 613	(FLIGHT		5)									
A 996 S	3	11	0	25	86	175	1	0	1	15	91	0
B 988 S	0	9	0	17	65	144	1	0	1	14	202	0
C 986 S	5	12	0	34	172	246	2	0	1	10	75	0
F 960 S?	0	3	0	9	20	98	1	0	1	10	688	0
G 948 S	0	9	0	24	77	190	1	0	1	12	220	0
LINE 614	(FLIGHT		5)									
A 881 S	0	8	0	16	72	112	1	0	1	12	139	0
B 888 S	2	11	0	38	137	292	1	0	1	14	512	0
LINE 615	(FLIGHT		5)									
D 861 S	2	0	0	1	8	19	1	10	1	90	666	52
E 856 S	5	2	0	9	34	84	5	18	1	190	1035	0
F 848 S	8	32	6	88	431	396	1	0	1	0	285	0
G 834 S	0	9	0	6	15	74	1	1	1	112	1021	8
I 822 S?	0	2	0	9	18	96	1	0	1	14	765	0
LINE 616	(FLIGHT		5)									
B 741 S	1	2	0	5	21	38	1	0	1	7	445	0
LINE 617	(FLIGHT		5)									
B 674 S	0	4	0	13	67	82	2	0	1	13	115	0
G 655 S	0	4	0	13	29	59	1	0	1	10	388	0
H 651 S	3	8	0	21	103	135	2	0	1	19	96	3
I 637 S?	0	1	0	1	0	23	1	0	1	4	3595	0
J 633 S	0	1	0	2	2	27	1	0	1	0	3660	0
LINE 618	(FLIGHT		5)									
A 573 S	1	1	0	2	8	39	1	0	1	3	1398	0
B 581 S	0	6	0	21	87	169	1	0	1	10	161	0

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202B-KAKAGI LAKE

ANOMALY/ FID/INTERP	COAXIAL 900 HZ REAL PPM	COAXIAL 900 HZ QUAD PPM	COPLANAR 900 HZ REAL PPM	COPLANAR 900 HZ QUAD PPM	COPLANAR 7200 HZ REAL PPM	COPLANAR 7200 HZ QUAD PPM	VERTICAL DIKE COND MHOS	VERTICAL DIKE DEPTH* M	HORIZONTAL SHEET COND MHOS	HORIZONTAL SHEET DEPTH M	CONDUCTIVE EARTH RESIS OHM-M	CONDUCTIVE EARTH DEPTH M
LINE 618 (FLIGHT 5)												
C 584 S	0	2	0	4	14	59	1	0	1	13	761	0
D 593 S	2	1	0	3	11	26	1	0	1	26	755	0
F 598 S	4	11	0	14	70	94	1	0	1	20	134	3
H 612 S?	0	2	0	6	9	54	1	0	1	0	1223	0
LINE 619 (FLIGHT 5)												
B 551 S	2	25	1	69	329	396	1	0	1	0	286	0
C 545 S	6	18	1	34	170	206	2	0	1	0	393	0
D 540 S	5	24	2	53	251	297	1	0	1	0	306	0
E 531 S	1	5	0	17	57	133	1	0	1	14	243	0
F 527 S	3	28	3	16	15	41	1	0	1	19	553	0
G 524 S	3	8	4	25	25	38	2	0	1	19	316	0
I 515 S?	0	0	0	2	4	27	1	0	1	23	2459	0
K 509 S	4	2	0	6	9	59	1	0	1	1	1298	0
L 507 S	4	2	0	5	12	52	1	0	1	5	987	0
LINE 620 (FLIGHT 5)												
B 447 S	3	15	2	31	128	227	1	0	1	6	432	0
C 450 S	8	30	13	80	374	73	2	0	1	7	115	0
D 453 S	4	25	9	72	392	410	3	0	1	10	33	1
E 455 S	0	13	2	23	64	207	1	0	1	6	274	0
F 465 S	0	14	2	35	153	188	1	0	1	11	444	0
G 472 S	5	7	11	27	134	24	4	13	1	32	111	2
H 484 S	0	1	0	4	6	26	1	0	1	22	1728	0
I 487 S	1	0	0	3	8	14	1	20	1	53	991	18
J 492 S	1551	3	0	4	21	39	1	0	1	11	481	0
LINE 621 (FLIGHT 5)												
A 423 S	2	12	1	37	168	241	1	0	1	0	423	0
B 412 S	1	8	1	17	64	136	1	0	1	13	184	0
C 398 S	0	3	1	5	19	43	1	0	1	23	491	0
D 395 S	4	1	0	7	26	65	1	0	1	14	457	0
F 388 S	3	10	4	20	96	24	2	0	1	27	212	0
G 379 S	1	5	1	7	22	74	1	0	1	8	504	0
H 373 S	1	8	0	11	39	100	1	0	1	12	326	0
I 367 S	1	2	1	3	14	27	1	0	1	19	522	0
LINE 622 (FLIGHT 5)												
B 317 S	20	24	6	55	230	214	3	0	1	16	35	4
D 319 S	20	20	6	56	244	208	4	0	1	15	33	5
G 343 S	4	6	2	16	65	146	1	0	1	19	177	2

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ANOMALY/ FID/INTERP	COAXIAL 900 HZ REAL PPM	COAXIAL 900 HZ QUAD PPM	COPLANAR 900 HZ REAL PPM	COPLANAR 900 HZ QUAD PPM	COPLANAR 7200 HZ REAL PPM	COPLANAR 7200 HZ QUAD PPM	VERTICAL DIKE COND MHOS	VERTICAL DIKE DEPTH* M	HORIZONTAL SHEET COND MHOS	HORIZONTAL SHEET DEPTH M	CONDUCTIVE EARTH RESIS OHM-M	CONDUCTIVE EARTH DEPTH M
LINE 622 (FLIGHT 5)												
I 346 S	1	3	0	6	20	84	1	0	1	14	340	0
J 349 S	7	15	1	36	170	258	2	0	1	4	354	0
K 353 S	3	19	0	52	207	394	1	0	1	1	304	0
M 359 S	2	13	0	44	96	166	1	0	1	13	112	0
LINE 623 (FLIGHT 5)												
A 290 S	8	5	1	10	33	79	1	0	1	8	339	0
B 284 S	0	11	1	27	125	202	1	0	1	11	99	0
D 279 S	1	4	1	11	30	95	1	0	1	12	435	0
E 271 S	1	9	1	20	57	171	1	0	1	12	262	0
F 267 S	6	7	0	11	20	110	3	28	1	32	604	0
G 262 S	3	6	2	17	57	135	1	0	1	20	126	5
H 258 S	1	5	9	14	70	84	2	3	1	21	94	7
I 256 B	12	5	10	14	70	84	16	32	1	53	89	21
LINE 624 (FLIGHT 5)												
A 192 S	0	2	1	6	9	47	1	0	1	17	832	0
C 209 S	9	14	4	27	169	158	3	10	1	22	199	0
D 210 B?	1	13	4	29	125	168	2	0	1	24	66	10
E 214 S	4	16	1	30	139	190	1	0	1	27	286	0
F 217 S	4	24	3	30	138	190	1	0	1	9	343	0
G 221 S	2	15	1	37	134	286	1	0	1	17	119	2

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52F05SE0086 2.7325 ROWAN LAKE

900

Mining Lands Section

File No 2.7325

Control Sheet

TYPE OF SURVEY

✓ GEOPHYSICAL

___ GEOLOGICAL

___ GEOCHEMICAL

___ EXPENDITURE

MINING LANDS COMMENTS:

L.D. [illegible]

2. Hurst.

Signature of Assessor

Date

FWM

Nov 5th 194/84

Ministry of Natural Resources
Ontario

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

Mining Act

2.7325

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

Type of Survey(s): AIRBORNE GEOPHYSICS

Township or Area: ROWAN LAKE M-2580

Claim Holder(s): RAYLLOYD RESOURCES LTD

Prospector's Licence No.: T-72

Address: 20 QUEEN ST. W SUITE 1014 BOX 69 TORONTO M5H 3R3

Survey Company: DIGHEM III SURVEY.

Date of Survey (from & to): 22 4 84 10 7 84 (Day | Mo. | Yr. | Day | Mo. | Yr.)

Total Miles of line Cut:

Name and Address of Author (of Geo-Technical report): D.C FRASER DIGHEM LTD TORONTO ONT.

Credits Requested per Each Claim in Columns at right

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

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

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	40
	Magnetometer	40
	Radiometric	

Expenditures (excludes power stripping)

Type of Work Performed:

Performed on Claim(s):

Calculation of Expenditure Days Credits

Total Expenditures $ ÷ 15 = Total Days Credits

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

Mining Claims Traversed (List in numerical sequence)

Prefix	Number	Expend. Days Cr.
K	729161	
	729162	
	729163	
	729164	
	729165	
	729166	
	729167	
	729168	
	729169	
	729170	
	729171	
	729172	
	729173	
	729174	
	729175	
	729176	
	729177	
	729178	
	729179	
	729180	
	729182	
	729183	

RECEIVED OCT 04 1984 MINING LANDS SECTION

MINING DIV. RECEIVED SEP 06 1984 AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

See reverse work statement.

K 718895

Total number of mining claims covered by this report of work: 22

For Office Use Only		
Total Days Cr. Recorded: 1760	Date Recorded: Sept. 06, 1984	Mining Recorder: M.E. Lemay (Acting)
	Date Approved as Recorded	Branch Director

Date: SEPT 5/84 Recorded Holder or Agent (Signature): [signature]

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying: JACK CUREATZ PO BOX 1055, WAWA, ONT (705) 856 2476

Date Certified: SEPT. 5/84 Certified by (Signature): [signature]

1362 (81/9)

F.W.M.

1

Nov 5th

195-84

Ministry of Natural Resources
Ontario

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

90 miles

The Mining Act 2.7325

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

Type of Survey(s): AIRBORNE SURVEY

Township or Area: DOGPAW LAKE G.2613

Claim Holder(s): SAULT MEADOWS ENERGY CORP.

Prospector's Licence No.: T1380

Address: 20 Queen ST. W. Suite 1014, Box 69 TORONTO ONT M5H 3S3

Survey Company: DIGHEM III SURVEY

Date of Survey (from & to): 22 Day | 4 Mo. | 84 Yr. | 10 Day | 7 Mo. | 84 Yr.

Total Miles of line Cut:

Name and Address of Author (of Geo-Technical report): D.C. FRASER DIGHEM LTD. TORONTO, ONT

Credits Requested per Each Claim in Columns at right

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

RECEIVED
OCT 04 1984
MINING LANDS SECTION

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

KENORA MINING DIV.
RECEIVED
SEP 06 1984
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

Calculation of Expenditure Days Credits

Total Expenditures $ ÷ 15 = Total Days Credits

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

Mining Claims Traversed (List in numerical sequence)

Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
K.	440301		K	~~639171~~	cancelled
	440302			~~639172~~	"
	440303			~~639173~~	"
	440304			639532	
	440305			639533	
	440306			639534	
	440396			639535	
	440397			639536	
	440398			639598	
	440399			639599	
	~~440400~~ CANCELLED			639600	
	440401			696038	
	~~638681~~ CANCELLED			696039	
	~~638682~~	"		696040	
	~~638683~~	"		696041	
	~~638684~~	"		696042	
	~~638685~~	"		696043	
	~~638686~~	"		696212	
	~~638687~~	"		696213	
	~~638688~~	"		696220	
	~~639168~~	"		696221	
	~~639169~~	"		704672	
	~~639170~~	"		704675	

See revised work statement

K440301

Total number of mining claims covered by this report of work. 254 - TOTAL ~~46~~ 31

For Office Use Only		
Total Days Cr. Recorded: 20,320	Date Recorded: Sept 6/84	Mining Recorder: M.E. Lemay / Acting
	Date Approved as Recorded	Branch Director

Date: Sept. 5/84 | Recorded Holder or Agent (Signature): [signature]

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying: JACK CUREATZ, P.O. BOX 1088, WAWA, ONT P0S 1K0
(705) 856-2476

Date Certified: Sept. 5/84 | Certified by (Signature): [signature]

1362 (81/9)

Ministry of Natural Resources
Ontario

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

Page 2

2

2.7325

Mining Act

195-84

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

Type of Survey(s): AIRBORNE GEOPHYSICS

Township or Area: BROOKS LAKE G. 2670

Claim Holder(s): SAULT MEADOWS ENERGY CORP

Prospector's Licence No.: T 1380

Address: 20 QUEEN ST. W. SUITE 1014 BOX 69 TORONTO ONT M5H3R3

Survey Company: DIGHEM LTD SURVEY.

Date of Survey (from & to): 22 4 84 | 10 7 84 (Day Mo. Yr. | Day Mo. Yr.)

Total Miles of line Cut:

Name and Address of Author (of Geo-Technical report): D.C FRASER DIGHEM LTD TORONTO ONT.

Credits Requested per Each Claim in Columns at right

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

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

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	40
	Magnetometer	40
	Radiometric	

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

KENORA MINING DIV.
RECEIVED
SEP 06 1984
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

Calculation of Expenditure Days Credits

Total Expenditures: $ ÷ 15 = Total Days Credits:

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

Date: SEPT 5/84

Recorded Holder or Agent (Signature): [signature]

Mining Claims Traversed (List in numerical sequence)

Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
K	638545	✓	K	638707	
	638546	✓		638708	
	638547	✓		638709	
	638548	✓		638710	
	638549	✓		639154	
	638550	✓		639156	
	638551	✓		639158	
	638671	✓		639159	
	638672	✓		639160	
	638673	✓		639161	
	638674	✓		639162	✓
	638675	✓		639163	✓
	638676	✓		639164	✓
	638677	✓		639165	✓
	638678	✓		639166	✓
	638679	✓		639167	✓
	638700	✓		*639155	✓
	638701			696215	
	638702			696216	
	638703			696217	
	638704			696218	
	638705			~~639155~~	
	638706	✓		~~639157~~	

See revised note statement

K440301

Total number of mining claims covered by this report of work: 44

For Office Use Only		
Total Days Cr. Recorded	Date Recorded: Sept 6/84	Mining Recorder: M E Lemay / Acting
	Date Approved as Recorded	Branch Director

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying: J. CUREATZ BOX 1088 WAWA ONT. P0S1K0
705 856-2476

Date Certified: SEPT 5/84

Certified by (Signature): [signature]

1362 (81/9)

Ministry of Natural Resources
Ontario

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

3

2.7325

Mining Act

113107
195-84

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

Type of Survey(s): AIRBORNE GEOPHYSICS
Township or Area: ROWAN LAKE M-2580
Claim Holder(s): SAULT MEADOWS ENERGY CORP.
Prospector's Licence No.: T 1380
Address: 20 Queen St. W, Suite 1014, Box 69, TORONTO, ONT M5H 3R3
Survey Company: DIGHEM III SURVEY
Date of Survey (from & to): 22 Day 6 Mo. 84 Yr. | 10 Day 7 Mo. 84 Yr.
Total Miles of line Cut: X
Name and Address of Author (of Geo-Technical report): D.C. FRASER, DIGHEM LTD, TORONTO ONT

Credits Requested per Each Claim in Columns at right

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

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

KENORA MINING DIV.
RECEIVED
SEP 06 1984
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	40
	Magnetometer	40
	Radiometric	

Expenditures (excludes power stripping)

Type of Work Performed:

Performed on Claim(s):

Calculation of Expenditure Days Credits
Total Expenditures $ ÷ 15 = Total Days Credits

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

Mining Claims Traversed (List in numerical sequence)

Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
K	440432		K	639495	
	440433			639496	
	440434			639497	
	440435			639498	
	440436			639499	
	440437			639500	
	440438			639501	
	440439			639502	
	639208			639503	
	639209			639504	
	639210			639505	
	639483			639506	
	639484			639507	
	639485			639508	
	639486			639509	
	639487			639510	
	639488			639511	
	639489			639512	
	639490			639513	
	639491			639514	
	639492			639515	
	639493			639516	
	639494			639517	

See revised work statement.

K440301

Total number of mining claims covered by this report of work: 46

For Office Use Only
Total Days Cr. Recorded:
Date Recorded: Sept 6/84
Mining Recorder: M E Lemay /acting
Date Approved as Recorded:
Branch Director:

Date: SEPT 5/84
Recorded Holder or Agent (Signature): [signature]

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying: J. CUREATZ BOX 1088 WAWA, ONT. 705-856-2476
Date Certified: SEPT 5/84
Certified by (Signature): [signature]

1362 (81/9)

Ministry of Natural Resources
Ontario

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

Mining Act

4 2.7325

Instructions: – Please type or print. 195-84
– If number of mining claims traversed exceeds space on this form, attach a list.
Note: – Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
– Do not use shaded areas below.

Type of Survey(s): AIRBORNE GEOPHYSIC
Township or Area: ROWAN LAKE M-2580
Claim Holder(s): SAULT MEADOWS ENERGY CORP.
Prospector's Licence No.: T 1380
Address: 20 Queen St. W. Suite 1014, Box 69, TORONTO, ONT M5H 3R3
Survey Company: DIGHEM III SURVEY
Date of Survey (from & to): 22 / 4 / 84 – 10 / 7 / 84
Total Miles of line Cut:
Name and Address of Author (of Geo-Technical report): D.C. FRASER, DIGHEM LTD, TORONTO, ONT.

Credits Requested per Each Claim in Columns at right

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

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

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	40
	Magnetometer	40
	Radiometric	

Expenditures (excludes power stripping)

Type of Work Performed:

Performed on Claim(s):

Calculation of Expenditure Days Credits

Total Expenditures $ ÷ 15 = Total Days Credits

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

Date	Recorded Holder or Agent (Signature)
SEPT 5/84	[signature]

Mining Claims Traversed (List in numerical sequence)

Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
K	639518		K.	640610	
	639519			640611	
	639520			640612	
	639521				
	639522			~~704548~~	CANCELLED
	639523			704553	
	639524			704558	
	639525			704563	
	639526				
	639527			~~719279~~	HELD BY GUS KOWALSKI
	639528			~~719280~~	
	639529			~~719281~~	
	639530				
	639531			639157	
	640238				
	640239			~~729158~~	HELD BY DAVID ALEXANDER GRANT
	640244			~~729159~~	
	640245			~~729160~~	
	640246				
	640247				
	640248				
	640236	see revised work statement			

KENORA MINING DIV.
RECEIVED
SEP 06 1984
AM 7,8,9,10,11,12,1,2,3,4,5,6 PM

K440301

Total number of mining claims covered by this report of work. 29

For Office Use Only		
Total Days Cr. Recorded	Date Recorded: Sept 6/84	Mining Recorder: M.E. Lemay (acting)
	Date Approved as Recorded	Branch Director

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying: J. CUREATZ BOX 1088 WAWA ONT. P0S 1K0
705-856-2476

Date Certified: SEPT. 5/84
Certified by (Signature): [signature]

1362 (81/9)

5   2.7325   195-84

Ministry of Natural Resources
Ontario

Report of Work

(Geophysical, Geological, Geochemical and Expenditures)

Mining Act

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

Type of Survey(s): AIRBORNE GEOPHYSICS

Township or Area: ROWAN LAKE M.2580

Claim Holder(s): SAINT MEADOWS ENERGY CORP.

Prospector's Licence No.: T 1380

Address: 20 QUEEN ST. W SUITE 1014, BOX 69, TORONTO, ONT M5H 3R3

Survey Company: DIGHEM III SURVEY

Date of Survey (from & to): 22 / 4 / 84 – 10 / 7 / 84 (Day / Mo. / Yr.)

Total Miles of line Cut:

Name and Address of Author (of Geo-Technical report): D.C. FRASER, DIGHEM LTD, TORONTO, ONT

Credits Requested per Each Claim in Columns at right

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

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

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	40
	Magnetometer	40
	Radiometric	

Expenditures (excludes power stripping)

Type of Work Performed:

Performed on Claim(s):

MINING DIV. RECEIVED SEP 06 1984 AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

Calculation of Expenditure Days Credits

Total Expenditures: $ ÷ 15 = Total Days Credits

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

Mining Claims Traversed (List in numerical sequence)

Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
K	~~718861~~		K	638538	
	~~718862~~			638539	
	~~718863~~			638540	
	~~718864~~			638541	
	~~718865~~			638542	
	~~718866~~			638543	
	~~718867~~			638544	
	~~718868~~			638552	
	~~718869~~			638553	
	~~718870~~			638554	
	~~718871~~			638690	
	~~718872~~			638691	
	~~718874~~			638692	
	~~718875~~			638693	
	~~718876~~			638694	
	~~718877~~			638695	
	~~718879~~			638696	
	~~718880~~			638697	
	~~718887~~			638699	
	~~718888~~			638680	
	638535			440384	
	638536			638689	
	638537			638698	

VANGUARD RESOURCES

~~418873~~ K 440301 } DK PLATINUM CORP.

See revised work statement.

Total number of mining claims covered by this report of work: ~~18~~ 26

For Office Use Only

Total Days Cr. Recorded:

Date Recorded: Sept 6/84

Mining Recorder: ME Lemay / acting

Date Approved as Recorded:

Branch Director:

Date: SEPT 5/84

Recorded Holder or Agent (Signature): [signature]

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying: JACK CUREATZ, P.O. BOX 1088, WAWA, ONT P0S 1K0 (705) 856-2476

Date Certified: SEPT 5/84

Certified by (Signature): [signature]

1362 (81/9)

Ministry of Natural Resources
Ontario

Report of Work

(Geophysical, Geological, Geochemical and Expenditures)

6

Mining Act 2.7325

195-84

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

Type of Survey(s): AIRBORNE GEOPHYSICS.
Township or Area: ROWAN LAKE M-2580
Claim Holder(s): SAULT MEADOWS ENERGY CORP.
Prospector's Licence No.: T 1380
Address: 20 QUEEN ST. W. SUITE 1014, BOX 69, TORONTO, ONT M5H 3R3
Survey Company: DIGHEM III SURVEY
Date of Survey (from & to): 22 4 84 | 10 7 84 (Day Mo. Yr. | Day Mo. Yr.)
Total Miles of line Cut:
Name and Address of Author (of Geo-Technical report): D.C. FRASER DIGHEM LTD TORONTO, ONT

Credits Requested per Each Claim in Columns at right

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

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

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	40
	Magnetometer	40
	Radiometric	

Expenditures (excludes power stripping)

Type of Work Performed	
Performed on Claim(s)	

MINING DIV. RECEIVED SEP 06 1984 AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

Calculation of Expenditure Days Credits

Total Expenditures $ ÷ 15 = Total Days Credits

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

Mining Claims Traversed (List in numerical sequence)

Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
K	~~718841~~ GUS KOWALSKI		K	~~718894~~ GRANT	
	~~718842~~			~~729331~~	
	~~718843~~			~~729332~~ DAVID ALEX GRANT	
	~~718844~~ DAVID ALEXANDER GRANT			~~729333~~	
	~~718845~~			~~729334~~	
	~~718846~~			~~729335~~	
	~~718847~~			~~729336~~	
	~~718848~~ GUS KOWALSKI			~~729337~~ GUS KOWALSKI	
	~~718849~~			~~729338~~	
	~~718850~~			~~729339~~	
	~~718851~~			~~729340~~	
	~~718852~~			440420	
	~~718853~~			440421	
	~~718854~~ DAVID ALEXANDER GRANT			440422	
	~~718855~~			440423	
	~~718856~~ KOWALSKI			440424	
	~~729155~~			440425.	
	~~729156~~ GRANT			440426	
	~~729157~~ CHECK			440427.	
	~~718857~~ POSS. 718857			440428	
	~~718858~~ GUS KOWALSKI			440429	
	~~718859~~			440430	
	~~718860~~			440431	

See revised work statement

K440301

Total number of mining claims covered by this report of work. 12

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
	Sept 6/84	McLemay/acting
	Date Approved as Recorded	Branch Director

Date: SEPT 5/84
Recorded Holder or Agent (Signature): [signature]

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying: J. CUREATZ BOX 1088 WAWA ONT. 705-856-2476.
Date Certified: SEPT 5/84
Certified by (Signature): [signature]

1362 (81/9)

Ministry of Natural Resources
Ontario

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

7

Mining Act

2.7325

Instructions: – Please type or print. 195 - 84
– If number of mining claims traversed exceeds space on this form, attach a list.
Note: – Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
– Do not use shaded areas below.

Type of Survey(s): AIRBORNE SURVEY
Township or Area: DOG PAW LAKE G.2613
Claim Holder(s): SAULT MEADOWS ENERGY CORP.
Prospector's Licence No.: T1380
Address: 20 Queen St. W. Suite 1014 Box 69 TORONTO, ONT M5H 3E3
Survey Company: DIGHEM III SURVEY
Date of Survey (from & to): 22 Day | 4 Mo. | 84 Yr. | 10 Day | 7 Mo. | 84 Yr.
Total Miles of line Cut:
Name and Address of Author (of Geo-Technical report): DC FRASER DIGHEM LTD TORONTO, ONT.

Credits Requested per Each Claim in Columns at right

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

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

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	40
	Magnetometer	40
	Radiometric	

Expenditures (excludes power stripping)

Type of Work Performed:

Performed on Claim(s):

KENORA MINING DIV.
RECEIVED
SEP 06 1984
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

Calculation of Expenditure Days Credits

Total Expenditures $ ÷ 15 = Total Days Credits

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

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Number	Expend. Days Cr.
K	440372	
	440373	
	440374	
	440375	
	696116	
	696119	
	696120	
	696121	
	696122	
	696123	
	696124	
	696200	
	696201	
	696202	
	696206	
	696207	
	696208	
	696210	
	696211	

See revised work statement.

K440301

Total number of mining claims covered by this report of work: 19

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
	Sept 6/84	McLemay/Acting
	Date Approved as Recorded	Branch Director

Date: Sept. 5/84 Recorded Holder or Agent (Signature): [signature]

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying: JACK CUREATZ, P.O. Box 1088 WAWA, ONT. P0S 1K0
(705) 856-2476

Date Certified: Sept. 5/84 Certified by (Signature): [signature]

1362 (81/9)

Ministry of Natural Resources
Ontario

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

8

Mining Act 2.7325

Instructions: – Please type or print. 195-84
– If number of mining claims traversed exceeds space on this form, attach a list.
Note: – Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns. Do not use shaded areas below.

Type of Survey(s): AIRBORNE GEOPHYSICS
Township or Area: DOGPAW LAKE G.2613
Claim Holder(s): SAULT MEADOWS ENERGY CORP.
Prospector's Licence No.: T1380
Address: 30 Queen ST. W. SUITE 1014, BOX 69, TORONTO, ONT M5H 3R3
Survey Company: DIGHEM III SURVEY
Date of Survey (from & to): 22 4 84 (Day, Mo., Yr.) – 10 7 84 (Day, Mo., Yr.)
Total Miles of line Cut:
Name and Address of Author (of Geo-Technical report): D.C. FRASER DIGHEM LTD TORONTO, ONT.

Credits Requested per Each Claim in Columns at right

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

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

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	40
	Magnetometer	40
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Prefix	Number	Expend. Days Cr.
K	704675	
	704676	
	704677	
	704678	
	704679	
	704680	
	704681	
	704682	
	704683	

See revised work statement.

Expenditures (excludes power stripping)
Type of Work Performed:
Performed on Claim(s):

MINING DIV. RECEIVED SEP 06 1984 AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

Calculation of Expenditure Days Credits
Total Expenditures $ ÷ 15 = Total Days Credits

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

K440301

Total number of mining claims covered by this report of work: 9

For Office Use Only
Total Days Cr. Recorded:
Date Recorded: Sept 6/84
Mining Recorder: M. E. Lemay (acting)
Date Approved as Recorded:
Branch Director:

Date: Sept. 5/84
Recorded Holder or Agent (Signature): [signature]

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

Name and Postal Address of Person Certifying: JACK CUREATZ, BOX 1088, WAWA, ONT. P0S 1K0
(705)-856-2476
Date Certified: Sept. 5/84
Certified by (Signature): [signature]

1362 (81/9)

Ontario Ministry of Natural Resources

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

9

Mining Act

2.7325

195-84

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

Type of Survey(s): AIRBORNE SURVEY	Township or Area: DOGPAW LAKE G.2613
Claim Holder(s): SAULT MEADOWS ENERGY CORP	Prospector's Licence No.: T1380
Address: 20 QUEEN ST. W. SUITE 1014, BOX 69, TORONTO, ONT M5H 3R3	
Survey Company: DIGHEM III SURVEY	Date of Survey (from & to): 28 Day 4 Mo. 84 Yr. 6 Day 7 Mo. 84 Yr.
Total Miles of line Cut:	
Name and Address of Author (of Geo-Technical report): D.C. FRASER, DIGHEM LTD. TORONTO, ONT	

Credits Requested per Each Claim in Columns at right

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

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

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	40
	Magnetometer	40
	Radiometric	

Expenditures (excludes power stripping)

Type of Work Performed:

Performed on Claim(s):

KENORA MINING DIV. RECEIVED SEP 06 1984 AM 7,8,9,10,11,12,1,2,3,4,5,6 PM

Calculation of Expenditure Days Credits

Total Expenditures $ ÷ 15 = Days Credits

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

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
K	639459	
	639460	
	639461	
	639580	
	639581	
	639582	
	639583	
	704684	
	704685	
	704686	
	704687	
	704688	
	704689	
	704690	
	704691	
	704692	
	704693	
	704694	
	704695	
	704696	
	704697	

See revised work statement.

K440301

Total number of mining claims covered by this report of work: 21

For Office Use Only		
Total Days Cr. Recorded	Date Recorded: Sept 6/84	Mining Recorder: M. C. Lemay / acting
	Date Approved as Recorded	Branch Director

Date: Sept 5/84 — Recorded Holder or Agent (Signature): [signature]

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying: JACK CUREATZ, P.O. BOX 1088, WAWA ONT. P0S 1K0 (705)-856-2476

Date Certified: Sept 5/84 — Certified by (Signature): [signature]

1362 (81/9)

Ministry of Natural Resources
Ontario

Report of Work

(Geophysical, Geological, Geochemical and Expenditures)

The Mining Act

10

2.7325

195-84

Instructions: – Please type or print.
– If number of mining claims traversed exceeds space on this form, attach a list.

Note: – Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns. Do not use shaded areas below.

Type of Survey(s): AIRBORNE SURVEY

Township or Area: HERONRY LAKE G.2621

Claim Holder(s): SAULT MEADOWS ENERGY CORP

Prospector's Licence No.: T1380

Address: 20 QUEEN ST. W. SUITE 1014 BOX 69, TORONTO, ONTARIO

Survey Company: DIGHEM III SURVEY

Date of Survey (from & to): 22 Day | 4 Mo. | 84 Yr. | 10 Day | 7 Mo. | 84 Yr.

Total Miles of line Cut:

Name and Address of Author (of Geo-Technical report): D.C. FRASER DIGHEM LTD TORONTO, ONT.

Credits Requested per Each Claim in Columns at right

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

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

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	40
	Magnetometer	40
	Radiometric	

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures				Total Days Credits
$	÷	15	=	

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

KENORA MINING DIV.
RECEIVED
SEP 06 1984
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

Mining Claims Traversed (List in numerical sequence)

Prefix	Number	Expend. Days Cr.
K		
	696107	
	696108	
	696109	
	696110	
	696111	
	696112	
	696113	
	696114	
	696115	
	696117	
	696118	
	696125	
	696126	
	696196	
	696197	
	696198	
	696199	

See revised work statement.

K440301

Total number of mining claims covered by this report of work: 17

For Office Use Only		
Total Days Cr. Recorded	Date Recorded: Sept 6/84	Mining Recorder: ME Lemay/Acting
	Date Approved as Recorded	Branch Director

Date: Sept. 5/84 Recorded Holder or Agent (Signature): [signature]

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying: JACK CUREATZ, P.O. BOX 1088 WAWA, ONT. P0S 1K0 (705) 856-2476

Date Certified: Sept. 5/84 Certified by (Signature): [signature]

1362 (81/9)

Ministry of Natural Resources
Ontario

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

FWM

2.7325

43

The Mining Act

196/84 Nov. 5th

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

Type of Survey(s): AIRBORNE GEOPHYSICS
Township or Area: DOGPAW LAKE G.2613
Claim Holder(s): GREAT CAMERON LAKE
Prospector's Licence No.: T 1480
Address: 20 Queen ST. W. Suite 1014, Box 69, TORONTO, ONT M5H 3R3
Survey Company: DIGHEM III SURVEY
Date of Survey (from & to): 22 4 84 / 10 7 84 (Day Mo. Yr. / Day Mo. Yr.)
Total Miles of line Cut:
Name and Address of Author (of Geo-Technical report): D.C. FRASER DIGHEM LTD TORONTO ONT

Credits Requested per Each Claim in Columns at right

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

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

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	40
	Magnetometer	40
	Radiometric	

Expenditures (excludes power stripping)

Type of Work Performed:

Performed on Claim(s):

KENORA MINING DIV.
RECEIVED
SEP 06 1984
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

Calculation of Expenditure Days Credits

Total Expenditures $ ÷ 15 = Total Days Credits

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

Mining Claims Traversed (List in numerical sequence)

Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
K	440332		K	704502	
	440333			704503	
	440334			704504	
	440335			704707	
	440336			704708	
	440337			704709	
	440338			704710	
	440350			704711	
	440351			704712	
	440352			704713	
	440353			704714	
	440354			704715	
	440355			704716	
	440356				
	440357				
	440358				
	440359				
	440360				
	440361				
	440362				
	440363				
	440364				

RECEIVED
OCT 04 1984
MINING LANDS SECTION

See revised work statement.

K 440332

Total number of mining claims covered by this report of work. 35

For Office Use Only		
Total Days Cr. Recorded: 2800	Date Recorded: Sept 06, 1984	Mining Recorder: M. Lemay (Acting)
	Date Approved as Recorded	Branch Director

Date: Sept 5/84
Recorded Holder or Agent (Signature): [signature]

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying: JACK CUREATZ, P.O. Box 1088 WAWA ONT. P0S1K0
705 856 3475
Date Certified: Sept 5/84
Certified by (Signature): [signature]

1362 (81/9)

FWM

NOV 5th #197-84

Ministry of Natural Resources
Ontario

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

2.7325

12.0

Mining Act

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

Type of Survey(s): AIRBORNE GEOPHYSICS

Township or Area: DOGPAW LAKE G.2613

Claim Holder(s): STREAMSIDE RESOURCES

Prospector's Licence No.: T 1536

Address: 20 QUEEN ST WEST. SUITE 1014 BOX 69 TORONTO ONT. M5H 3R3

Survey Company: DIGHEM III SURVEY

Date of Survey (from & to): 22 (Day) 4 (Mo.) 84 (Yr.) – 10 (Day) 7 (Mo.) 84 (Yr.)

Total Miles of line Cut:

Name and Address of Author (of Geo-Technical report): D.C. FRASER DIGHEM. LTD TORONTO ONT.

Credits Requested per Each Claim in Columns at right

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

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

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	40
	Magnetometer	40
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Prefix	Number	Expend. Days Cr.
K	~~596606~~	CANCELLED
	668923	
	668924	
	668925	
	668926	
	668928	
	668929	
	700636	✓
	700637	
	700638	
	700639	
	700640	
	700641	
	700642	
	700643	
	700644	
	700645	
	700646	
	700647	
	700648	
	700649	
	700650	
	700651	

Prefix	Number	Expend. Days Cr.
K	700652	
	700653	
	700654	
	700655	
	700656	
	700657	
	700658	
	700659	

RECEIVED
OCT 04 1984
MINING LANDS SECTION

See revised work statement.

KENORA MINING DIV.
RECEIVED
SEP 06 1984
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

Expenditures (excludes power stripping)

Type of Work Performed:

Performed on Claim(s):

Calculation of Expenditure Days Credits

Total Expenditures				Total Days Credits
$	÷	15	=	

668923

Total number of mining claims covered by this report of work: ~~30~~ 30

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

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
2400	Sept 6/84	M E Lemay (Acting)
	Date Approved as Recorded	Branch Director

Date: Sept 5/84

Recorded Holder or Agent (Signature): [signature]

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying: JACK CUREATZ, PO BOX 1088 WAWA ONT P0S1K0 (705) [illegible]

Date Certified: Sept 5/84

Certified by (Signature): [signature]

1362 (81/9)

FWM

Nov 17th #204-84

Ministry of Natural Resources Ontario

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

Mining Act

27325

7.4

Instructions: – Please type or print.
– If number of mining claims traversed exceeds space on this form, attach a list.

Note: – Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
– Do not use shaded areas below.

Type of Survey(s): Airborne Geophysics

Township or Area: Rowan Lake M-2580

Claim Holder(s): Gus Kowalski

Prospector's Licence No.: D 18539

Address: 143 Meadow Park Crescent, Sault Ste. Marie P6A 4H1

Survey Company: Dighem III Survey

Date of Survey (from & to): 22 Day 4 Mo. 84 Yr. | 10 Day 7 Mo. 84 Yr.

Total Miles of line Cut:

Name and Address of Author (of Geo-Technical report): D.G Fraser, Dighem Limited, Toronto, Ontario

Credits Requested per Each Claim in Columns at right

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

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

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	40
	Magnetometer	40
	Radiometric	

Expenditures (excludes power stripping)

Type of Work Performed:

Performed on Claim(s):

Calculation of Expenditure Days Credits

Total Expenditures $ ÷ 15 = Total Days Credits

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

Mining Claims Traversed (List in numerical sequence)

Prefix	Number	Expend. Days Cr.
K	718841	
	718842	
	718843	
	718848	
	718849	
	718850	
	718851	
	718852	
	718853	
	718856	
	718858	
	718859	
	718860	
	729337	
	729338	
	729339	
	729340	
	719279	
	719280	
	719281	

RECEIVED
OCT 04 1984
MINING LANDS SECTION

KENORA MINING DIV.
SEP 18 1984
AM 7,8,9,10,11,12,1,2,3,4,5,6 PM
1st Rec'd Sept 6/84

See revised work statement.

718841

Total number of mining claims covered by this report of work: 20

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
1600	Sept 18/84	ME Lemay (acting)
	Date Approved as Recorded	Branch Director

Date: Sept. 11/84

Recorded Holder or Agent (Signature): S. Evanylo

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying: S. Evanylo 1014-30 Queen St.W, Toronto, Ontario M5H 3E3 (416) 8?? 3134

Date Certified: Sept 11/84

Certified by (Signature): S. Evanylo

FWM

Nov 17th #205-84

Ministry of Natural Resources Ontario

Report of Work
(Geophysical, Geological, Geochemical and Expenditures) 7.6 miles

2.7325

Mining Act

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

Type of Survey(s): Airborne Geophysics

Township or Area: Rowan Lake M-2540

Claim Holder(s): David Alexander Grant

Prospector's Licence No.: A 40237

Address: 46357 Yale Road, Suite 103, Chilliwack, B.C. V2P 2P2

Survey Company: Dighem III Survey

Date of Survey (from & to): 22 4 84 | 10 7 84 (Day Mo. Yr.)

Total Miles of line Cut:

Name and Address of Author (of Geo-Technical report): D.C. Fraser, Dighem Limited, Toronto, Ontario

Credits Requested per Each Claim in Columns at right

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

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

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	40
	Magnetometer	40
	Radiometric	

Expenditures (excludes power stripping)

Type of Work Performed:

Performed on Claim(s):

Calculation of Expenditure Days Credits

Total Expenditures $ ÷ 15 = Total Days Credits

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

Mining Claims Traversed (List in numerical sequence)

Prefix	Number	Expend. Days Cr.
K	718844	✓
	718845	✓
	718846	✓
	718847	✓
	718854	✓
	718855	✓
	718857	✓
	718894	✓
	729331	✓
	729332	✓
	729333	✓
	729334	✓
	729335	✓
	729336	✓
	729155	✓
	729156	✓
	729157	✓
	729158	✓
	729159	✓
	729160	✓

RECEIVED
OCT 04 1984
MINING LANDS SECTION

MINING DIV. SEP 18 1984 AM PM 7,8,9,10,11,12,1,2,3,4,5,6 1st Rec'd Sept 6/84

See revised work statement.

718841

Total number of mining claims covered by this report of work: 20

For Office Use Only		
Total Days Cr. Recorded: 1600	Date Recorded: Sept 18/84	Mining Recorder: M. Lemay (Acting)
	Date Approved as Recorded	Branch Director

Date: Sept 11/84 | Recorded Holder or Agent (Signature): [signature]

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying: [illegible]

Date Certified: [illegible] | Certified by (Signature): [illegible]

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

AMENDED

File	2.7325
Date	1985 02 21
Mining Recorder's Report of Work No.	195-84-1

Recorded Holder	SAULT MEADOWS ENERGY CORP
Township or Area	HERONRY LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic 14 days	K 440301 to 306 inclusive
Magnetometer 14 days	440396 to 399 inclusive
Radiometric ____ days	440401
Induced polarization ____ days	639532 to 536 inclusive
Other ____ days	639598 to 600 inclusive
Section 77 (19) See "Mining Claims Assessed" column	696038 to 043 inclusive
Geological ____ days	696212-13-20-21
Geochemical ____ days	704672-74
Man days ☐ Airborne ☒	
Special provision ☐ Ground ☐	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

No credits have been allowed for the following mining claims

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

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

828 (83/6)

Ontario | Ministry of Natural Resources

Technical Assessment Work Credits

File	2.7325
Date	1985 02 07
Mining Recorder's Report of Work No.	195-84-2

Recorded Holder
SAULT MEADOWS ENERGY CORP

Township or Area
BROOKS LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic 14 days	K 638545 to 551 inclusive
Magnetometer 14 days	638671 to 679 inclusive
Radiometric ______ days	638700 to 710 inclusive
Induced polarization ______ days	639154 to 156 inclusive
Other ______ days	639158 to 167 inclusive
Section 77 (19) See "Mining Claims Assessed" column	696215 to 218 inclusive
Geological ______ days	
Geochemical ______ days	
Man days ☐ Airborne ☒	
Special provision ☐ Ground ☐	
☒ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

No credits have been allowed for the following mining claims

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

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

828 (83/6)

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File
2.7325

Date	Mining Recorder's Report of Work No.
1985 02 07	195-84-3

Recorded Holder	SAULT MEADOWS ENERGY CORP
Township or Area	ROWAN LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic 14 days Magnetometer 14 days Radiometric ______ days Induced polarization ______ days Other ______ days Section 77 (19) See "Mining Claims Assessed" column Geological ______ days Geochemical ______ days Man days ☐ Airborne ☒ Special provision ☐ Ground ☐ ☐ Credits have been reduced because of partial coverage of claims. ☒ Credits have been reduced because of corrections to work dates and figures of applicant.	K 440432 to 439 inclusive 639208-09-10 639483 to 517 inclusive

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

No credits have been allowed for the following mining claims

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

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

828 (83/6)

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File	
2.7325	
Date: 1985 02 07	Mining Recorder's Report of Work No. 195-84-4

Recorded Holder: SAULT MEADOWS ENERGY CORP

Township or Area: ROWAN LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic 14 days	
Magnetometer 14 days	K 639518 to 531 inclusive 640238-39 640244 to 248 inclusive 640236 640610-11-12 704553-58-63 639157
Radiometric ____ days	
Induced polarization ____ days	
Other ____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological ____ days	
Geochemical ____ days	
Man days ☐ Airborne ☒	
Special provision ☐ Ground ☐	
☐ Credits have been reduced because of partial coverage of claims.	
☒ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

No credits have been allowed for the following mining claims

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

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

828 (83/6)

Ministry of Natural Resources

Ontario

Technical Assessment Work Credits

File	2.7325
Date	1985 02 07
Mining Recorder's Report of Work No.	195-84-5

Recorded Holder	SAULT MEADOWS ENERGY CORP
Township or Area	ROWAN LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	K 638535 to 544 inclusive 638552-53-54 638690 to 697 inclusive 638680-89-98-99 440384
Electromagnetic 14 days	
Magnetometer 14 days	
Radiometric ____ days	
Induced polarization ____ days	
Other ____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological ____ days	
Geochemical ____ days	
Man days ☐ Airborne ☒	
Special provision ☐ Ground ☐	
☐ Credits have been reduced because of partial coverage of claims.	
☒ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

No credits have been allowed for the following mining claims

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

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

828 (83/6)

Ministry of Natural Resources

Ontario

Technical Assessment Work Credits

File	2.7325
Date	1985 02 07
Mining Recorder's Report of Work No.	195-84-6

Recorded Holder	SAULT MEADOWS ENERGY CORP
Township or Area	ROWAN LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	K 440420 to 431 inclusive
Electromagnetic 14 days	
Magnetometer 14 days	
Radiometric ____ days	
Induced polarization ____ days	
Other ____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological ____ days	
Geochemical ____ days	
Man days ☐ Airborne ☒	
Special provision ☐ Ground ☐	
☐ Credits have been reduced because of partial coverage of claims.	
☒ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

No credits have been allowed for the following mining claims

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

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

828 (83/6)

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File
2.7325

Date	Mining Recorder's Report of Work No.
1985 02 07	195-84-7

Recorded Holder	SAULT MEADOWS ENERGY CORP
Township or Area	DOGPAW LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic 14 days	K 440372 to 375 inclusive
Magnetometer 14 days	696116
Radiometric ____ days	696119 to 124 inclusive
Induced polarization ____ days	696200-01-02
Other ____ days	696206-07-08-10-11
Section 77 (19) See "Mining Claims Assessed" column	
Geological ____ days	
Geochemical ____ days	
Man days ☐ Airborne ☒	
Special provision ☐ Ground ☐	
☐ Credits have been reduced because of partial coverage of claims.	
☒ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

No credits have been allowed for the following mining claims

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

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

828 (83/6)

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File	2.7325
Date	1985 02 07
Mining Recorder's Report of Work No.	195-84-8

Recorded Holder	SAULT MEADOWS ENERGY CORP
Township or Area	DOGPAW LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	K 704675 to 683 inclusive
Electromagnetic 14 days	
Magnetometer 14 days	
Radiometric ______ days	
Induced polarization ______ days	
Other ______ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological ______ days	
Geochemical ______ days	
Man days ☐ Airborne ☒	
Special provision ☐ Ground ☐	
☐ Credits have been reduced because of partial coverage of claims.	
☒ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

No credits have been allowed for the following mining claims

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

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

828 (83/6)

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

AMENDED

File
2.7325

Date	Mining Recorder's Report of Work No.
1985 02 21	195-84-9

Recorded Holder
SAULT MEADOWS ENERGY CORP
Township or Area
DOGPAW LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic 14 days	
Magnetometer 14 days	K 639459-60-61 639580 to 583 inclusive 704684 to 697 inclusive
Radiometric ____ days	
Induced polarization ____ days	
Other ____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological ____ days	
Geochemical ____ days	
Man days ☐ Airborne ☒	
Special provision ☐ Ground ☐	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

No credits have been allowed for the following mining claims

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

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

929 (83/6)

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File	2.7325
Date	1985 02 07
Mining Recorder's Report of Work No.	195-84-10

Recorded Holder	SAULT MEADOWS ENERGY CORP
Township or Area	HERONRY LAKE

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	K 696107 to 115 inclusive 696117-18-25-26 696196 to 199 inclusive
Electromagnetic 14 days	
Magnetometer 14 days	
Radiometric ____ days	
Induced polarization ____ days	
Other ____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological ____ days	
Geochemical ____ days	
Man days ☐ Airborne ☒	
Special provision ☐ Ground ☐	
☐ Credits have been reduced because of partial coverage of claims.	
☒ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

No credits have been allowed for the following mining claims

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

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

828 (83/6)

Ministry of Natural Resources

Ontario

Technical Assessment Work Credits

File
2.7325

Date	Mining Recorder's Report of Work No.
1985 02 07	204/84

Recorded Holder: GUS KOWALSKI
Township or Area: ROWAN LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	K 718841-42-43
Electromagnetic 35 days	718848 to 853 inclusive
Magnetometer 35 days	718856
Radiometric ____ days	718858 -59-60
Induced polarization ____ days	729337-38-39-40
Other ____ days	719279-80-81
Section 77 (19) See "Mining Claims Assessed" column	
Geological ____ days	
Geochemical ____ days	
Man days ☐ Airborne ☒	
Special provision ☐ Ground ☐	
☐ Credits have been reduced because of partial coverage of claims.	
☒ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

No credits have been allowed for the following mining claims

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

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

828 (83/6)

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File
2.7325

Date	Mining Recorder's Report of Work No.
1985 02 07	194/84

Recorded Holder	RAYLLOYD RESOURCES LTD
Township or Area	ROWAN LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic 15 days	
Magnetometer 15 days	K 729161 to 180 inclusive 729182-83
Radiometric ____ days	
Induced polarization ____ days	
Other ____ days	
Section 77 (19) *See "Mining Claims Assessed" column*	
Geological ____ days	
Geochemical ____ days	
Man days ☐ Airborne ☒	
Special provision ☐ Ground ☐	
☐ *Credits have been reduced because of partial coverage of claims.*	
☒ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

No credits have been allowed for the following mining claims

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

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

828 (83/6)

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File
2.7325

Date	Mining Recorder's Report of Work No.
1985 02 07	197/84

Recorded Holder	STREAMSIDE RESOURCES
Township or Area	DOGPAW LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic 16 days	K 668923 to 926 inclusive
Magnetometer 16 days	668928-29
Radiometric ____ days	700636 to 659 inclusive
Induced polarization ____ days	
Other ____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological ____ days	
Geochemical ____ days	
Man days ☐ Airborne ☒	
Special provision ☐ Ground ☐	
☐ Credits have been reduced because of partial coverage of claims.	
☒ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

No credits have been allowed for the following mining claims

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

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

828 (83/6)

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File
2.7325

Date	Mining Recorder's Report of Work No.
1985 02 07	196/84

Recorded Holder	GREAT CAMERON LAKE
Township or Area	DOGPAW LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	K 440332 to 338 inclusive
Electromagnetic 16 days	440350 to 364 inclusive
Magnetometer 16 days	704502-03-04
Radiometric ____ days	704707 to 716 inclusive
Induced polarization ____ days	
Other ____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological ____ days	
Geochemical ____ days	
Man days [ ] Airborne [x]	
Special provision [ ] Ground [ ]	
[ ] Credits have been reduced because of partial coverage of claims.	
[x] Credits have been reduced because of corrections to work dates and figures of applicant.	

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

No credits have been allowed for the following mining claims

[ ] not sufficiently covered by the survey [ ] Insufficient technical data filed

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

828 (83/6)

Ontario | Ministry of Natural Resources

Technical Assessment Work Credits

File
2.7325

Date	Mining Recorder's Report of Work No.
1985 02 07	205/84

Recorded Holder	DAVID A. GRANT
Township or Area	ROWAN LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic 15 days	K 718844 to 847 inclusive
Magnetometer 15 days	718854-55-57
Radiometric ______ days	718894
Induced polarization ______ days	729331 to 336 inclusive
Other ______ days	729155 to 160 inclusive
Section 77 (19) See "Mining Claims Assessed" column	
Geological ______ days	Copies of all correspondence to David Grant to go to
Geochemical ______ days	Don Eslinger.
Man days ☐ Airborne ☒	Great Central Mines
Special provision ☐ Ground ☐	604 - 890 West Pender St
☐ Credits have been reduced because of partial coverage of claims.	Vanc. V6C 1J9
☒ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

No credits have been allowed for the following mining claims

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

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

828 (83/6)

Ontario
Ministry of
Natural
Resources

AMENDED March 11/85

1985 02 21

Your File: 195-84-9,195-84-1
Our File: 2.7325

Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5080
Kenora, Ontario
P9N 3X9

Dear Sir:

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

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

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

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

R.J. S. Hurst:mc

Encls.

cc: Sault Meadows Energy Corp
Toronto, Ontario
cc: Jack Cureatz
Wawa, Ontario
cc: David Alexander Grant
Chilliwack, B.C.
cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario
cc: Raylloyd Resources Ltd
Toronto, Ontario
cc: Streamside Resources
Toronto, Ontario
cc: Gus Kowalski
Sault Ste. Marie, Ontario
cc: S. Evanylo
Toronto, Ontario
cc: Great Cameron Lake
Toronto, Ontario

Ontario

Ministry of Natural Resources

AMENDED

Notice of Intent for Technical Reports

1985 02 21

2.7325/195-84-9,195-84-1

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

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

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

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

1985 03 15

Your Files: 195-84-9, 195-84-1
Our File: 2.7325

Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5080
Kenora, Ontario
P9N 3X9

Dear Sir:

RE: Notice of Intent dated February 21, 1985
Geophysical (Electromagnetic & Magnetometer)
Survey on Mining Claims K 440301, et. al.,
in the Heronry Lake, Rowan Lake, Dogpaw Lake
and Brooks Lake Areas

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

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

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

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

S. Hurst:mc

cc: Sault Meadows Energy Corp
Toronto, Ontario
cc: Jack Cureatz
Wawa, Ontario
cc: David Alexander Grant
Chilliwack, B.C.
cc: Raylloyd Resources Ltd
Toronto, Ontario
cc: Streamside Resources
Toronto, Ontario
Encl.

cc: Gus Kowalski
Sault Ste. Marie, Ontario
cc: S. Evanylo
Toronto, Ontario
cc: Great Cameron Lake
Toronto, Ontario
cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario
cc: Resident Geologist
Kenora, Ontario

Ministry of Natural Resources

ario

Feb. 22/85

1985 02 07

Your File: 195-84-1 to 10 Incl.
194-84,196-84,197-84,204-84
205-84
Our File: 2.7325

Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5080
Kenora, Ontario
P9N 3X9

Dear Sir:

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

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

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

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

S. Hurst:mc

Encls.

cc: Sault Meadows Energy Corp
Toronto, Ontario

cc: Jack Cureatz
Wawa, Ontario

cc: David Alexander Grant
Chilliwack, B.C.

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

cc: Raylloyd Resources Ltd
Toronto, Ontario

cc: Streamside Resources
Toronto, Ontario

cc: Gus Kowalski
Sault Ste.Marie, Ontario

cc: S. Evanylo
Toronto, Ontario

cc: Great Cameron Lake
Toronto, Ontario

845

Ministry of Natural Resources
Ontario

Notice of Intent

for Technical Reports

1985 02 07

2.7325/195-84-1 to 10 inclusive
194-84
196-84
197-84
204-84
205-84

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

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

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

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

2.7325

SAULT MEADOWS
ENERGY CORPORATION
Toronto Sault Ste. Marie Ontario, Canada

RECEIVED
Land Management Branch
CIRCULATE
COMMENTS PLEASE
BY
JAN 11 1985
S. E. YUNDT
J. R. MORTON
J. C. SMITH
W. L. GOOD
M. J. HOGAN
W. P. BROOK

January 10, 1985

S.E. Yundt
Ministry of Natural Resources
Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

Dear Sir:

Re: File 2.7325

In response to your correspondence regarding our recent submission, we calculate the number of miles flown over the claims to be 88.01 miles.

Should you require any further information, please do not hesitate to call.

Yours truly,

SAULT MEADOWS ENERGY CORPORATION

S. Evanylo

S.A. Evanylo

381 claims

88.01 x 40 ÷ 381
≃ 9 1/4 days.

RECEIVED
JAN 14 1985
MINING LANDS SECTION

November 16, 1984 File: 2.7325

Sault Meadows Energy Corporation
Suite 1014
Box 69
20 Queen Street West
Toronto, Ontario
M5H 3R3

Dear Sirs:

RE: Airborne Geophysical (Magnetometer and Electromagnetic) Survey submitted on Mining Claims K 44031 et al in the Areas of Brooks Lake, Dogpaw Lake, Heronry Lake and Rowan Lake

---

With reference to the above-described submission, there appears to be a discrepancy in your calculations for assessment work credits. The report states that the total miles flown was 341 (549 Km) and the line spacing was 300 meters. Please provide the number of miles flown over the claims only. When submitting this information, please quote file 2.7325.

For further information, please contact Susan Hurst at (416)965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

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

S. Hurst:mc

cc: Mining Recorder
Kenora, Ontario

cc: Raylloyd Resources
109 Bayfield Street
Barrie, Ontario
L4M 3A9

cc: Sault Meadows Energy Corp
Suite 103, 46357 Yale Rd
Chilliwak, B.C. V2P 2P8

cc: Gus Kowalski
143 Meadow Park Cr.
Sault Ste. Marie, Ontario
P6A 4H1

cc: Greamside Resources
Great Cameron Lake
David Grant
Suite 103
46357 Yale Rd
Chilliwak, B.C. V2P 2P8

REGISTERED

December 31, 1984 File: 2.7326

Sault Meadows Energy Corp
Suite 1014
Box 69
20 Queen Street West
Toronto, Ontario
M5H 3R3

Dear Sirs:

RE: Airborne Geophysical (Magnetometer & Electromagnetic) Survey submitted on Mining Claims K 440301 et al in the Areas of Beooks Lake, Dogpaw Lake, Heronry Lake and Rowan Lake

Enclosed is a copy of our letter dated November 16, 1984 requesting additional information for the above-mentioned survey.

Unless you can provide the required data by January 11, 1985 the line miles will be estimated and assessment credits adjusted accordingly.

For further information, please contact Mr. Ray Pichette at (416)965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

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

S. Hurst:mc

cc: Mining Recorder
Kenora, Ontario

cc: Gus Kowalski
Sault Ste. Marie, Ontario

cc: Sault Meadows Energy Corp
Chilliwak, B.C.

cc: Raylloyd Resources
Barrie, Ontario

cc: Streamside Resources
Chilliwak, B.C.

Encl.

Your File: 194 to 197, 204, 205
Our File: 2.7325

October 26, 1984

Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5160
Kenora, Ontario
P9N 3X9

Dear Sir:

We received reports and maps on October 19, 1984 for an Airborne Geophysical (Electromagnetic and Magnetometer) Survey submitted on Mining Claims K-440301 et al in the Areas of Brooks Lake, Dogpaw Lake, Heronry Lake and Rowan Lake.

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

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

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

D. Kinvig:ig

cc: Streamside Resources
Great Cameron Lake
David Grant
Ste. 103, 46357 Yale Rd.
CChilliwak, B.C. V2P 2P8.

Gus Kowalski
143 Meadow Park Cr.
Sault Ste. Marie, Ontario P6A 4H1

cc: RayLloyd Resources
109 Bayfield St.
Barrie, Ontario L4M 3A9

Sault Meadows Energy Corp.
(same address as Streamside Resources Inc.
700 - 185 Bloor St. E.
Toronto, Ontario M4W 3J3.

THIS SURVEY COVERS THE CLAIMS OF:

1. SAULT MEADOWS ENERGY CORP.
2. STREAMSIDE RESOURCES
3. GREAT CAMERON LAKE RESOURCES
4. AUGUSTUS (GUS) KOWALSKI
5. DAVID ALEXANDER GRANT.

ALL BLOCKS HAVE BEEN BLOCKED OUT AND LABELLED.

Thank You

DEAR SIR OR MADAME:

PLEASE FIND ENCLOSED TWO COMPLETE SETS OF AIRBORNE GEOPHYSICAL SURVEYS AS HAVING BEEN CARRIED OUT FOR SAULT MEADOWS ENERGY CORP & PARTNERS.

ALL BLOCKS HAVE BEEN INDICATED AND I HOPE YOU FIND EVERYTHING TO YOUR SATISFACTION.

THANK YOU.

[signature]

J. CUREATZ
BOX 1088
WAWA, ONTARIO
POS 1KO

705-856-2476.

RECEIVED
OCT 19 1984
MINING LANDS SECTION

Streamside Resources Inc.
700 185 Bloor St. E,
TORONTO, ONT.
M4W 3J3

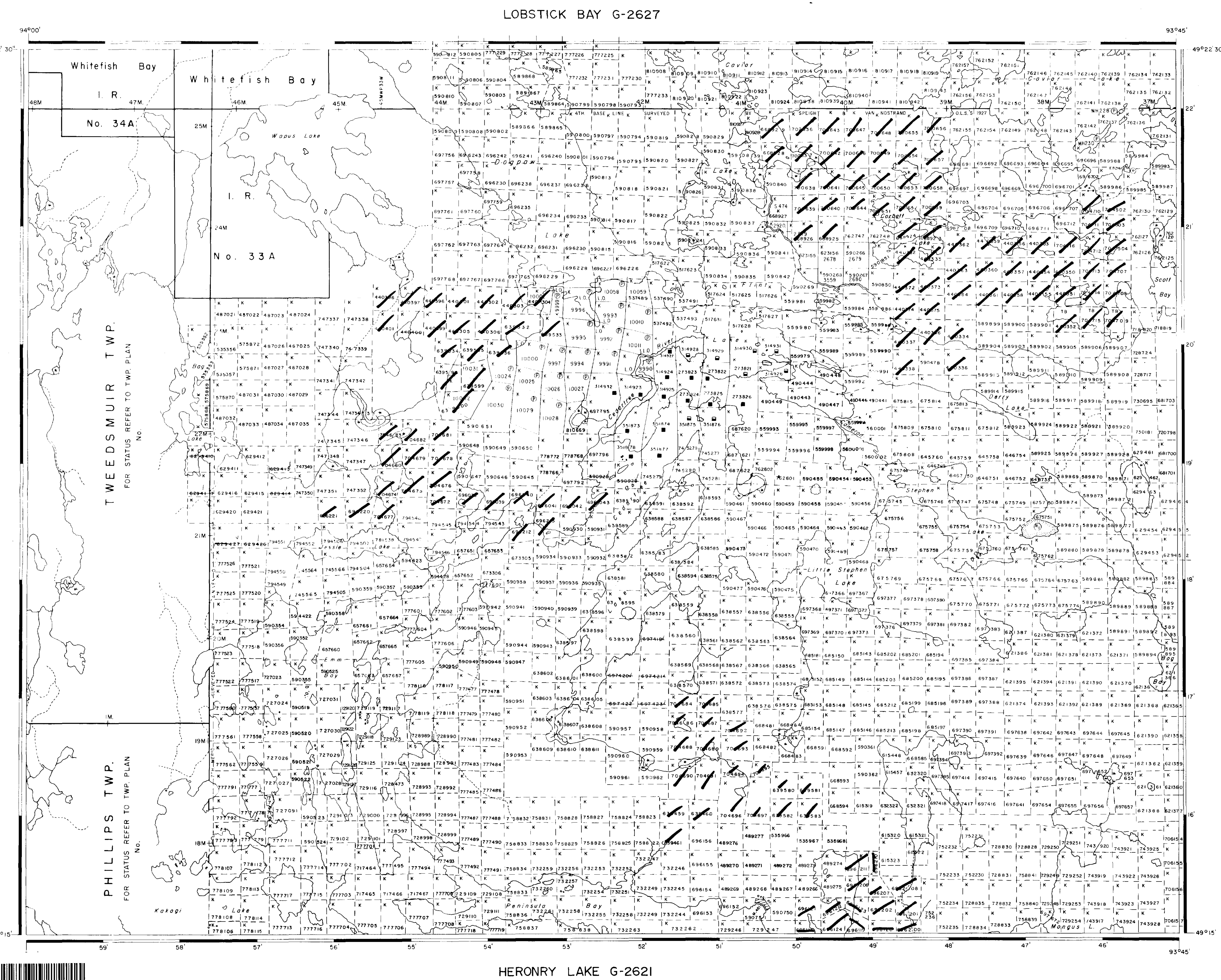
GREAT CAMERON LAKE RESOURCES
Same as Streamside.

David Grant
Ste 103, 46357 Yale Rd,
Chilliwack, B.C.
V2P 2P8

Gus Kowalski
143 Meadow Park Cr.,
Sault Ste. Marie, ONTARIO
P6A 4H1

RAYLLOYD Resources
109 Bayfield St,
Barrie, Ont.
L4M 3A9

Sault Meadows Energy Corp
same as Streamside.



LEGEND

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

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	Ⓟ or ●
" , SURFACE RIGHTS ONLY	
" , MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	■
" , SURFACE RIGHTS ONLY	
" , MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	
CANCELLED	
SAND & GRAVEL	

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

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

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

Description	Order No.	Date	Disposition	File
		Mar 1/72	S.R.&M.R.	163473

DATE OF ISSUE
Ministry of Natural Resources
TORONTO

SCALE: 1 INCH = 40 CHAINS

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

AREA

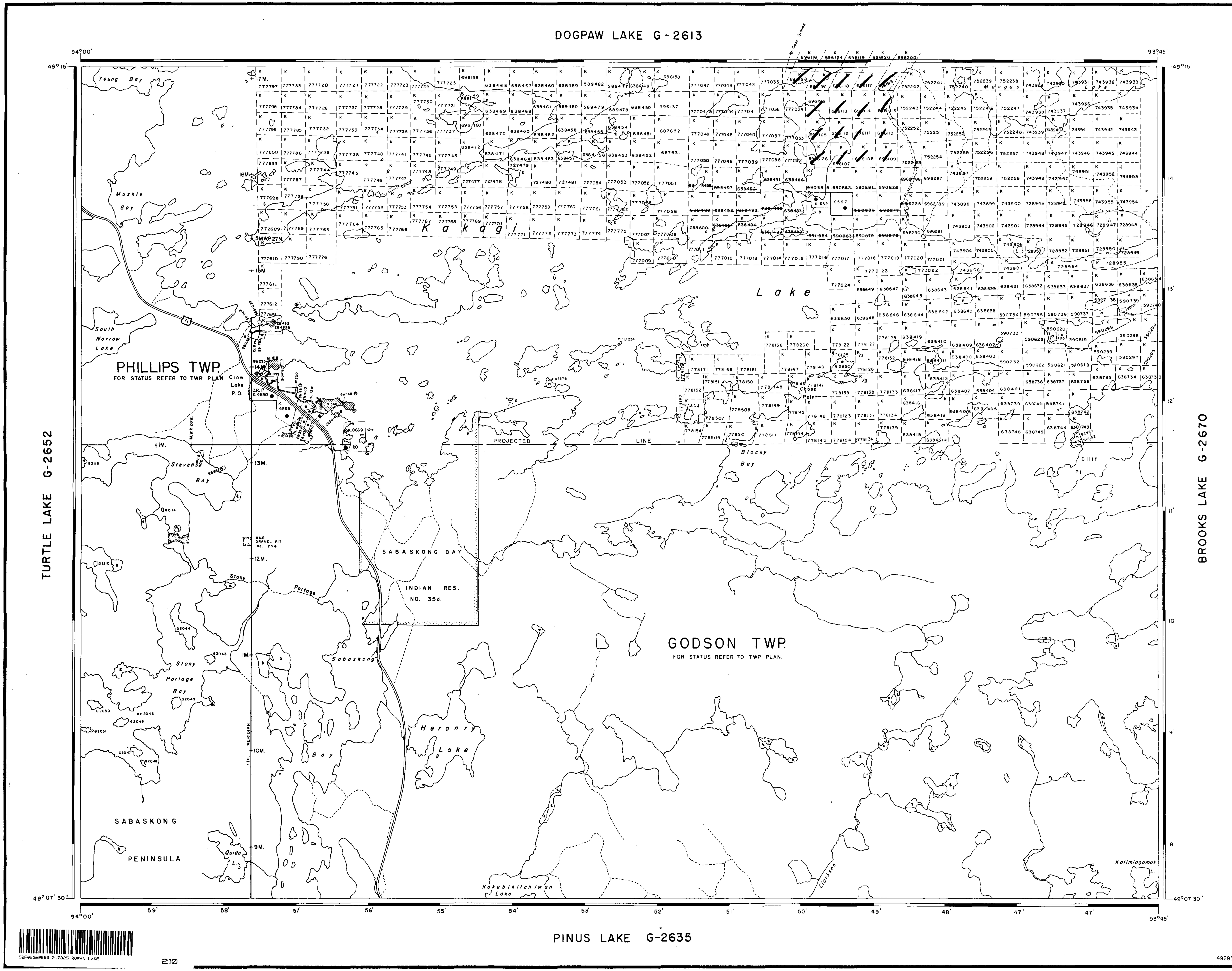
DOGPAW LAKE

M.N.R. ADMINISTRATIVE DISTRICT
KENORA
MINING DIVISION
KENORA
LAND TITLES / REGISTRY DIVISION
KENORA

Ministry of Natural Resources Ontario
Land Management Branch

Date JANUARY, 1984
Number G-2613

52F05SE0086 2.7325 ROWAN LAKE
200
493934



LEGEND

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

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT — **SYMBOL**

PATENT, SURFACE & MINING RIGHTS
" , SURFACE RIGHTS ONLY
" , MINING RIGHTS ONLY
LEASE, SURFACE & MINING RIGHTS
" , SURFACE RIGHTS ONLY
" , MINING RIGHTS ONLY
LICENCE OF OCCUPATION
ORDER-IN-COUNCIL
RESERVATION
CANCELLED
SAND & GRAVEL

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

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

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

Description	Order No.	Date	Disposition	File
W 65/76	18852	19/11/76	S.R.O.	

DATE OF ISSUE
OCT 22 1984
Ministry of Natural Resources
TORONTO

SCALE: 1 INCH = 40 CHAINS

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

AREA
HERONRY LAKE

M.N.R. ADMINISTRATIVE DISTRICT
KENORA
MINING DIVISION
KENORA
LAND TITLES / REGISTRY DIVISION
KENORA

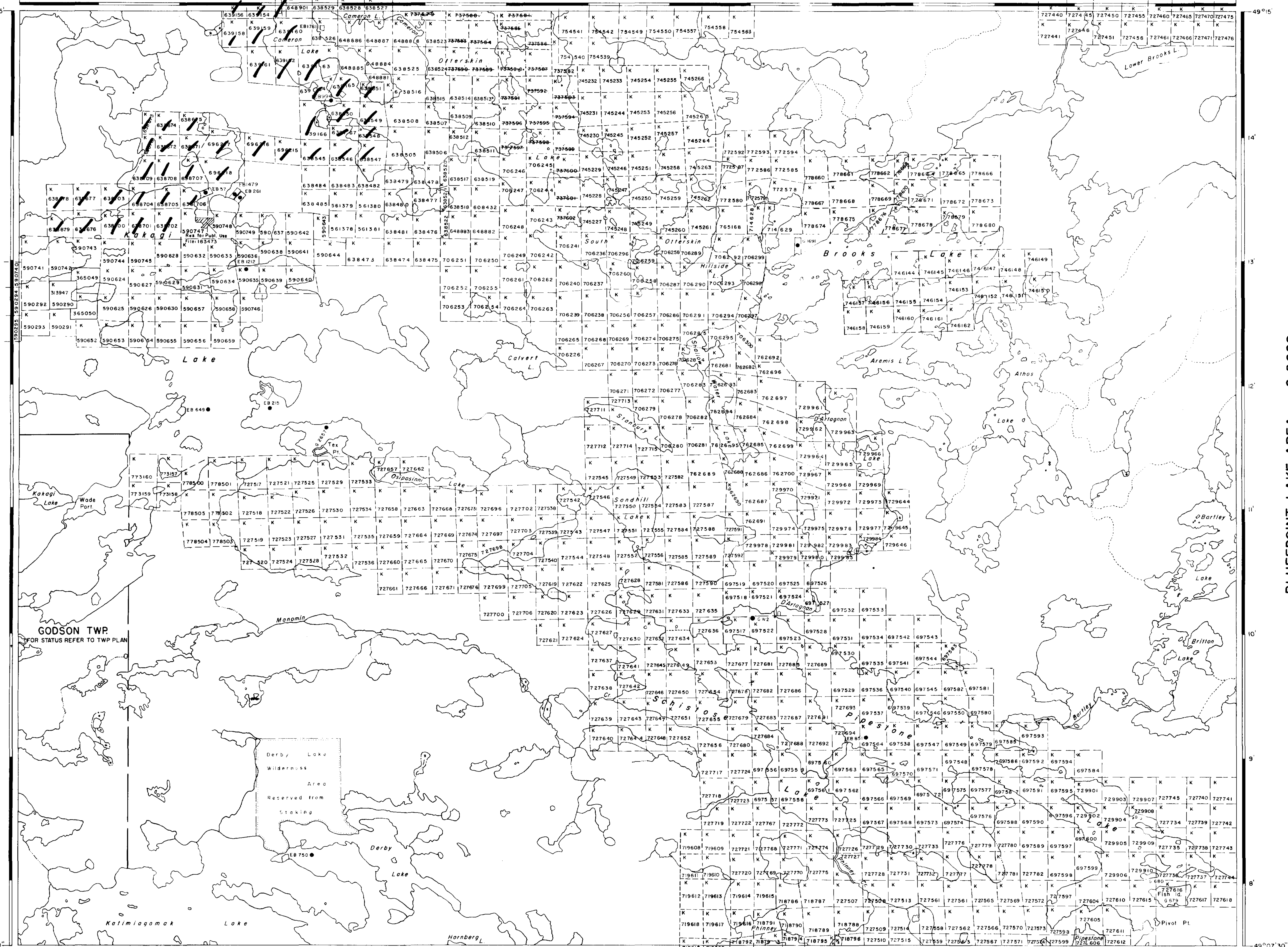
Ontario — Ministry of Natural Resources — Land Management Branch

Date MARCH, 1984 — Number G-2621

ROWAN LAKE AREA- G-2696

HERONRY LAKE AREA- G-2621

BLUFFPOINT LAKE AREA- G-2669



DASH LAKE- G-2671

52F05SE0086 2.7325 ROWAN LAKE

220

492933

LEGEND

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

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" , SURFACE RIGHTS ONLY	
" , MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	■
" , SURFACE RIGHTS ONLY	
" , MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	
CANCELLED	
SAND & GRAVEL	

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

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

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

Description	Order No.	Date	Disposition	File

DATE OF ISSUE
OCT 22 1991
Ministry of Natural Resources
TORONTO

SCALE: 1 INCH = 40 CHAINS

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

AREA

BROOKS LAKE

M.N.R. ADMINISTRATIVE DISTRICT

FORT FRANCES

MINING DIVISION

KENORA

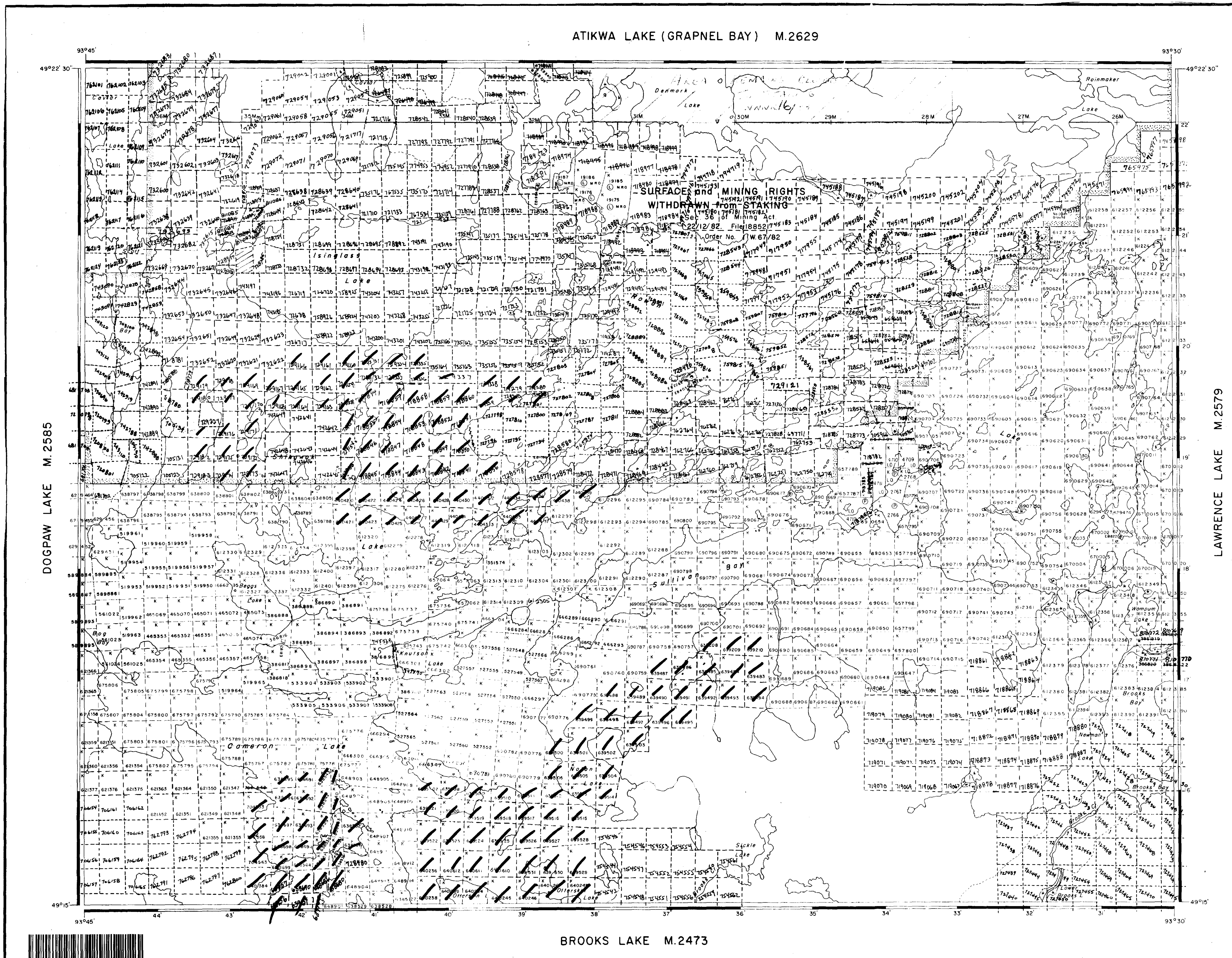
LAND TITLES / REGISTRY DIVISION

KENORA

Ontario
Ministry of Natural Resources
Land Management Branch

Date MARCH, 1984

Number G-2670



AREA OF

ROWAN LAKE

DISTRICT OF KENORA

KENORA MINING DIVISION

SCALE: 1-INCH 40 CHAINS

LEGEND

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

NOTES

400' Surface Rights Reservation along the shores of all lakes and rivers.

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

NATIONAL TOPOGRAPHIC SERIES 52 F5

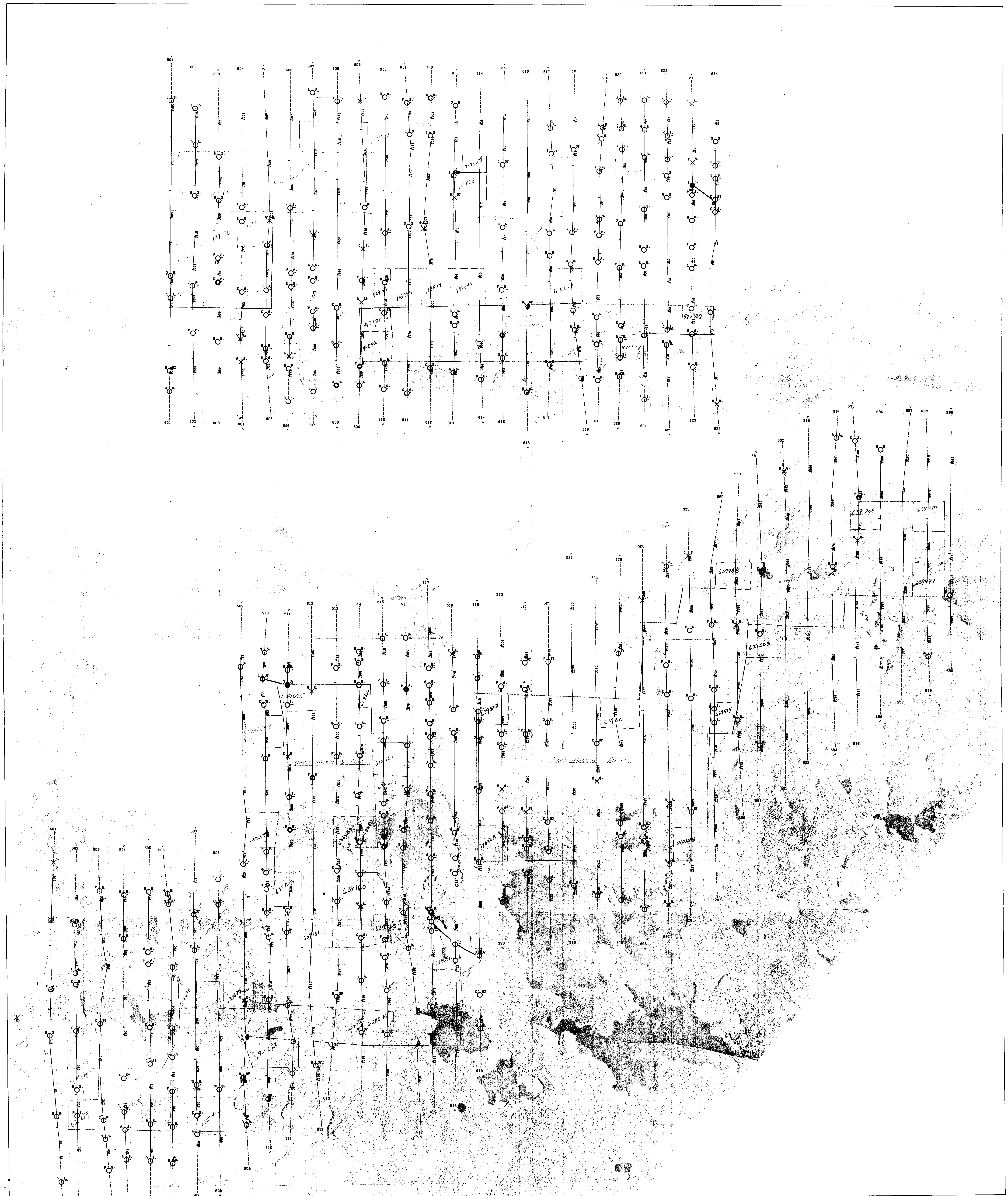
PLAN NO. M.2580

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

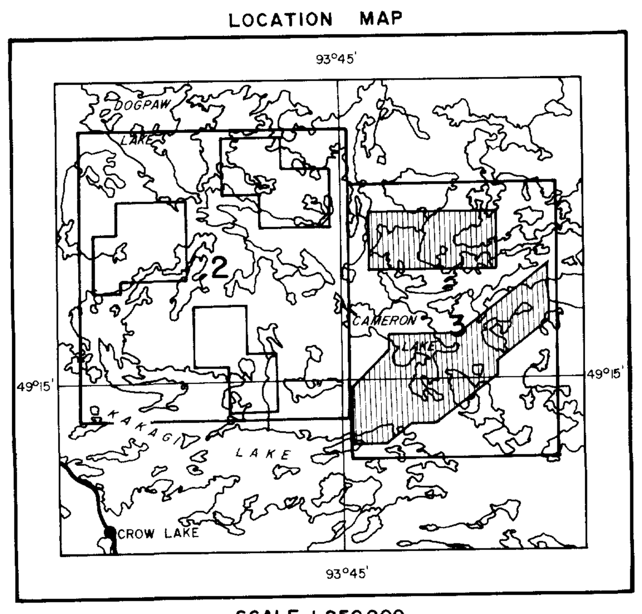
49:1933

52F05SE0086 2.7325 ROWAN LAKE

230



LOCATION MAP



SCALE 1:250,000

DIGHEM III SURVEY

KAKAGI LAKE AREA, ONTARIO

ELECTROMAGNETIC ANOMALIES

FOR

SAULT MEADOWS ENERGY CORPORATION

Scale 1:15,840

1/2 0 1/2 1 Miles

Flight Line

- Fiducial 2120 (Not recovered from film)
- Fiducial 2118 (Recovered from film)
- Fiducial 2110 (Not recovered from film)
- Fiducial 2104 (Recovered from film)
- 301 Line number and Flight direction

ANOMALY GRADE	EM GRADE SYMBOL	CONDUCTANCE RANGE (MHOS)
6	●	> 99
5	✸	50–99
4	●	20–49
3	◉	10–19
2	O	5–9
1	○	< 5
—	X	Indeterminate

DIGHEM anomalies are divided into six grades of conductivity-thickness product. This product in mhos is a measure of conductance.

anomaly "name" → C ● H. ← interpretive symbol

Depth is greater than
- · 15 m
- : 30 m
- ⋮ 45 m
- ⁞ 60 m

Inphase and Quadrature of Coaxial Coil is greater than
- . 5 ppm
- .. 10 ppm
- ... 15 ppm
- .... 20 ppm

Interpretive symbol	Conductor ("model")
B.	Bedrock conductor
S.	Conductive cover ("horizontal thin sheet")
H.	Broad conductive rock unit, deep conductive weathering, thick conductive cover ("half space")
E.	Edge of broad conductor ("edge of half space")
L.	Culture, e.g. power line, building, fence

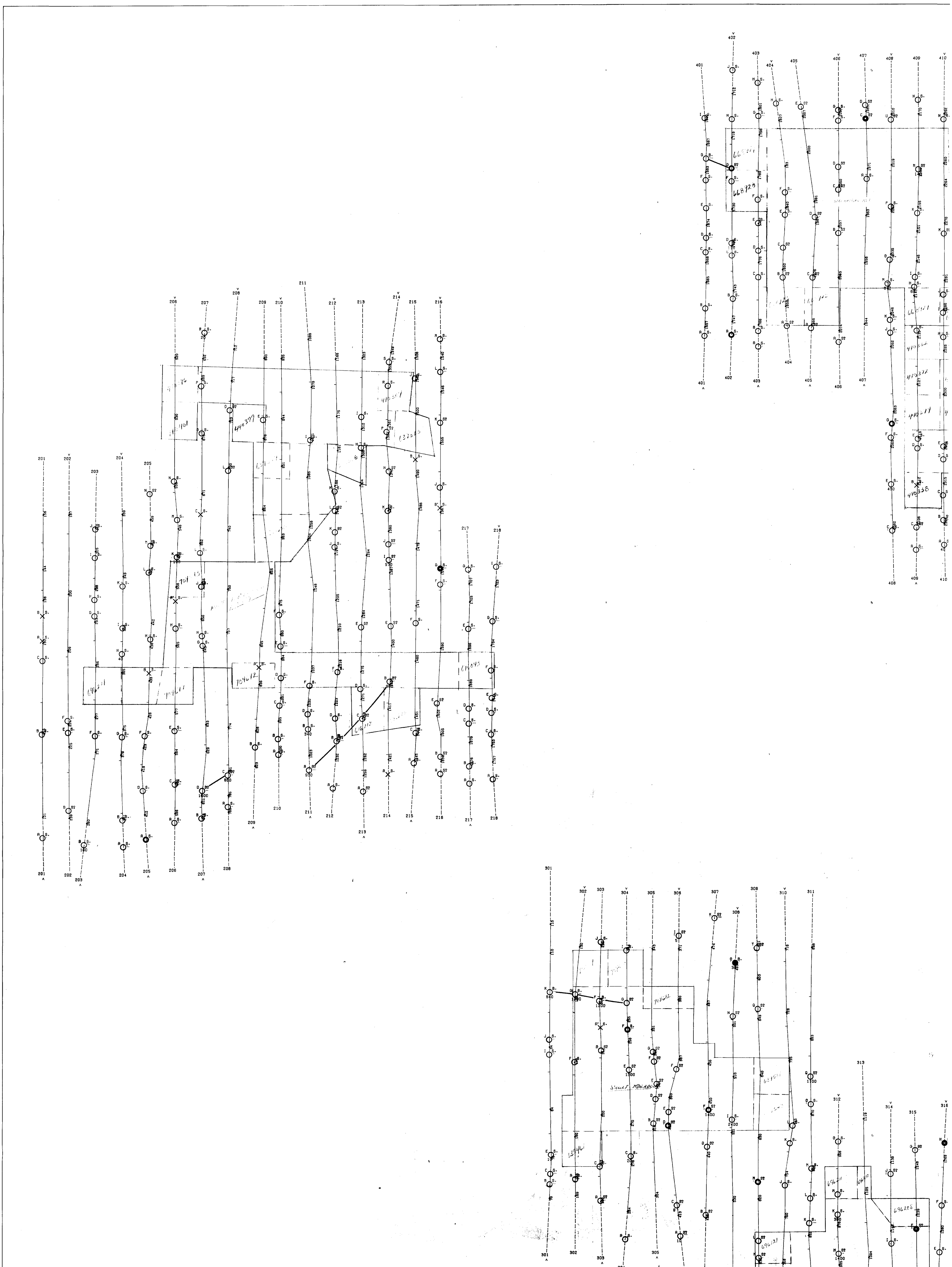
arcs indicate the conductor has a thickness > 10 m

- dip direction
- magnetic correlation in nT (gammas)
- conductor axis
- flight line

JOB	DATE	DRAWN BY	CHECKED BY
202	SEPT. 84	B.P.	[signature]

SHEET 3

240



LOCATION MAP

SCALE 1:250,000

DIGHEM III SURVEY

KAKAGI LAKE AREA, ONTARIO

ELECTROMAGNETIC ANOMALIES

FOR

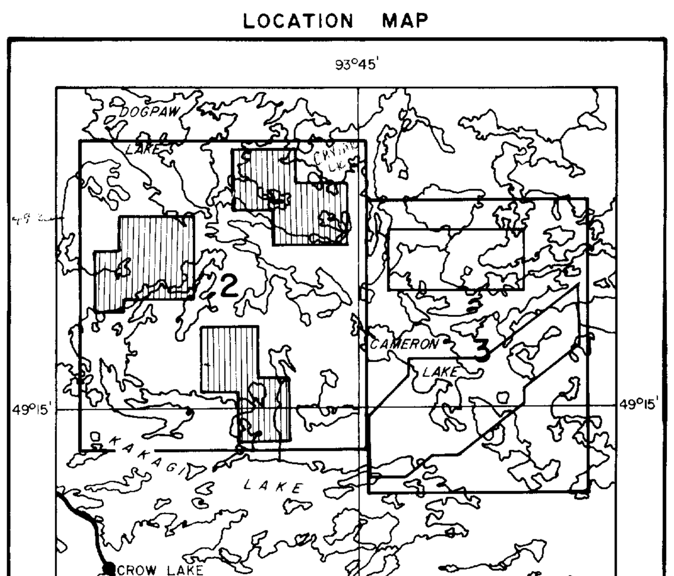
SAULT MEADOWS ENERGY CORPORATION

Scale 1:15,840

1/2 0 1/2 1 Miles

250

SHEET 2



SCALE 1:250,000

DIGHEM[III] SURVEY

KAKAGI LAKE AREA, ONTARIO

RESISTIVITY

FOR

SAULT MEADOWS ENERGY CORPORATION

REGISTERED PROFESSIONAL ENGINEER
D. C. FRASER
PROVINCE OF ONTARIO

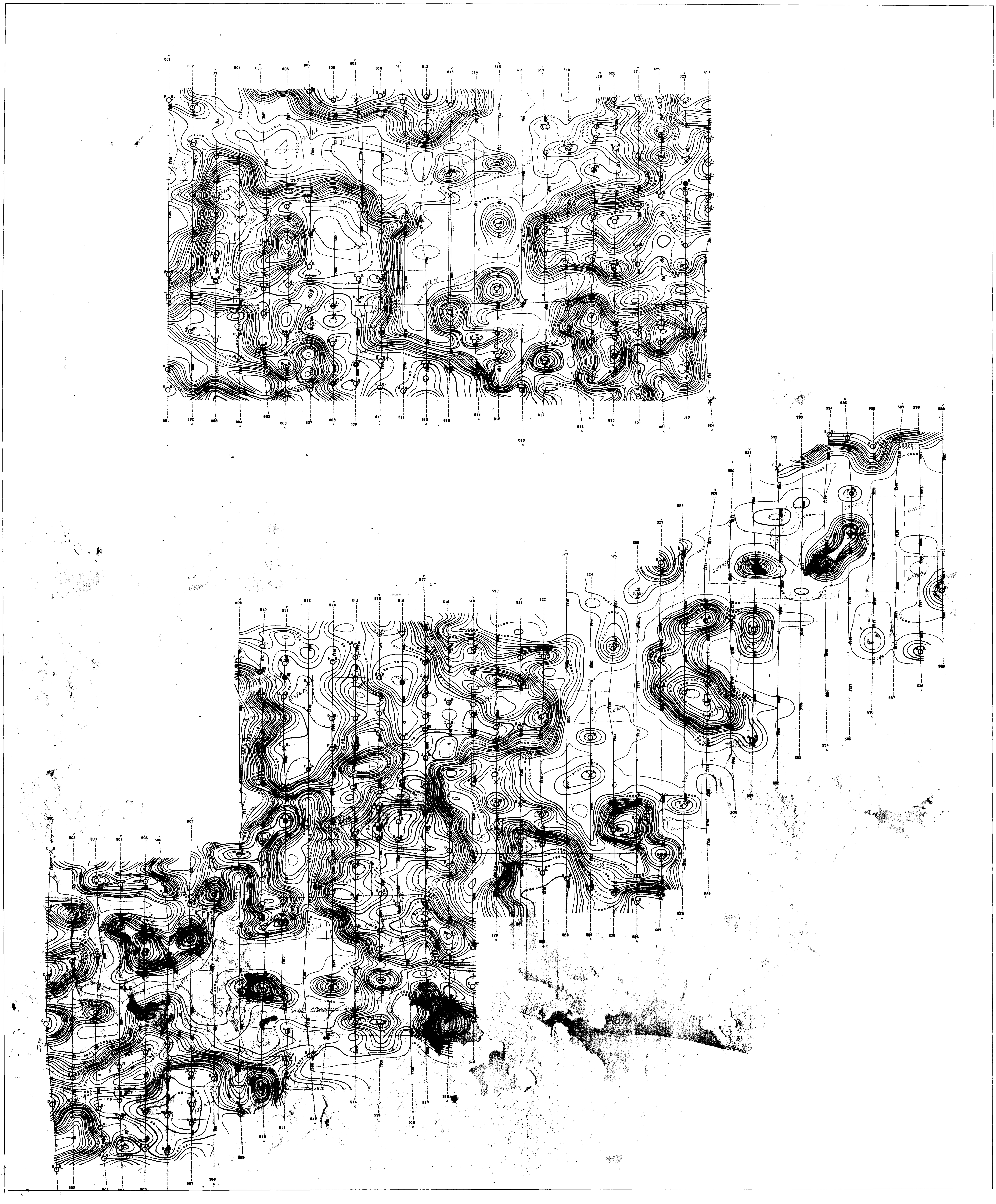
Scale 1:15,840

1 2   0   1 2   1 Miles

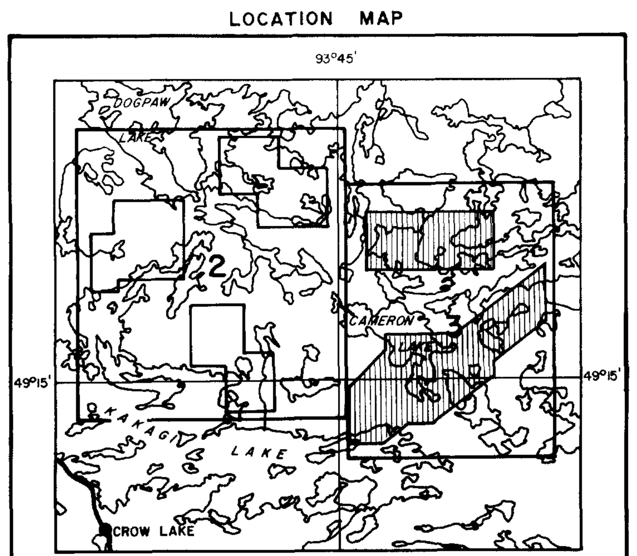
52F05SE0086 2.7325 ROWAN LAKE

260

SHEET 2



LOCATION MAP



SCALE 1:250,000

DIGHEM[III] SURVEY

KAKAGI LAKE AREA, ONTARIO

RESISTIVITY

FOR

SAULT MEADOWS ENERGY CORPORATION

Scale 1:15,840

1/2 0 1/2 1 Miles

Flight Line

- Fiducial 2120 (Not recovered from film)
- Fiducial 2118 (Recovered from film)
- Fiducial 2110 (Not recovered from film)
- Fiducial 2104 (Recovered from film)

301 Line number and Flight direction

LEGEND

Contours in ohm – m at ten intervals per decade

1000, 800, 600, 500, 400, 300, 250, 200, 150, 125, 100

Note

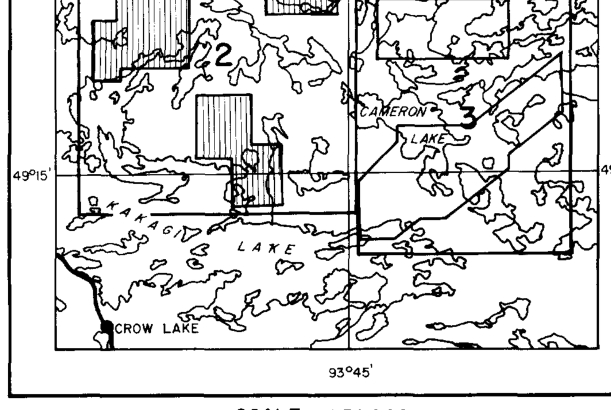
The numbers face in the direction of increasing value.

JOB	DATE	DRAWN BY	CHECKED BY
202	SEPT. 84	B.P.	[signature]

270

SHEET 3

LOCATION MAP



SCALE 1:250,000

52F05SE0086 2.7325 ROWAN LAKE

280

DIGHEM[III] SURVEY

KAKAGI LAKE AREA, ONTARIO

TOTAL FIELD MAGNETICS

FOR

SAULT MEADOWS ENERGY CORPORATION

REGISTERED PROFESSIONAL ENGINEER
D. C. FRASER
PROVINCE OF ONTARIO

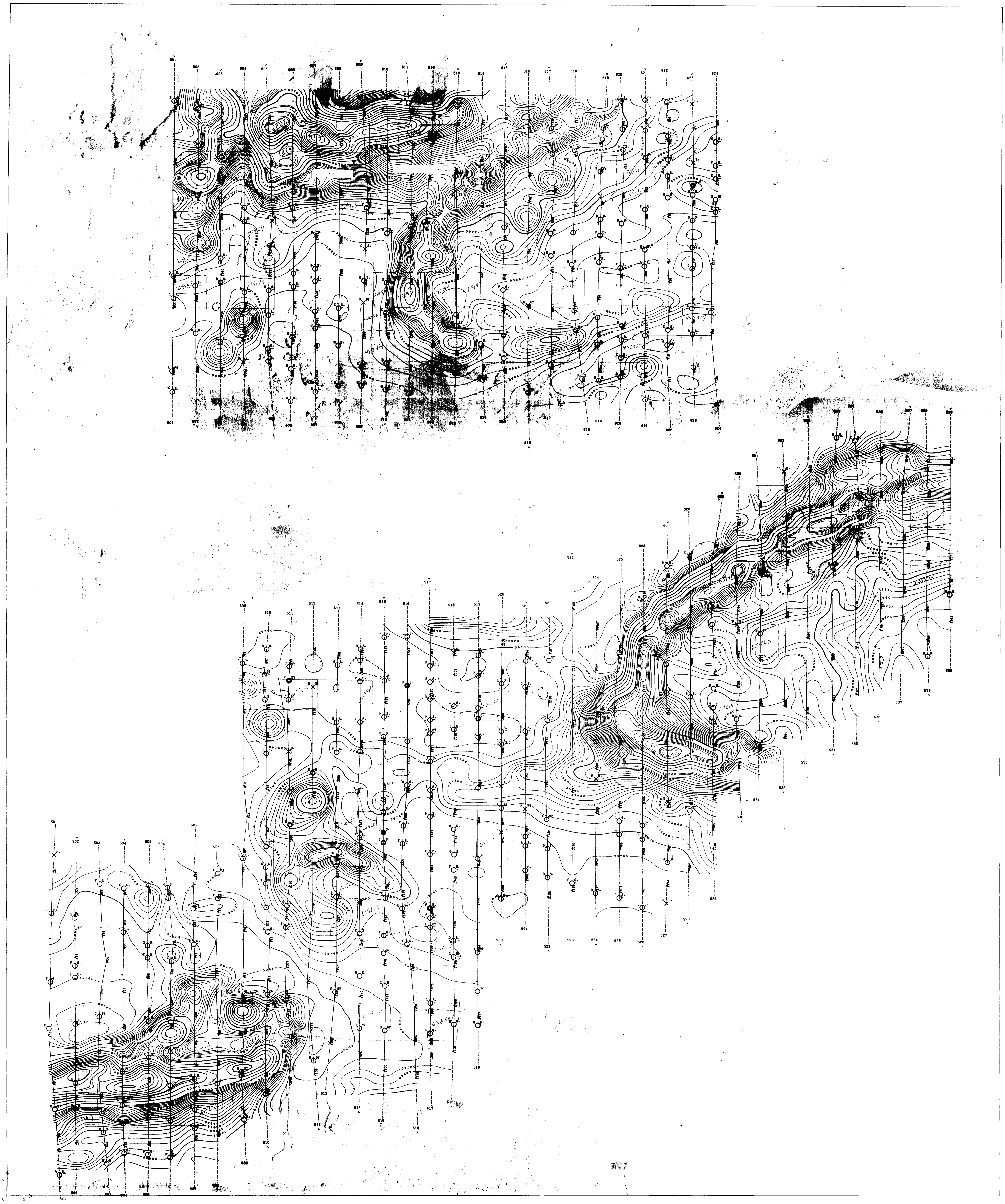
Scale 1:15.840

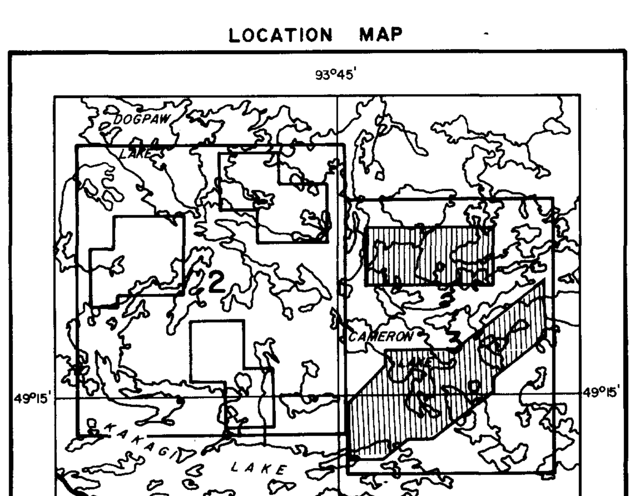
1 2 0 1 2 1 Miles

Flight

2.7325

SHEET 2





DIGHEM^{III} SURVEY

KAKAGI LAKE AREA, ONTARIO

TOTAL FIELD MAGNETICS

FOR

SAULT MEADOWS ENERGY CORPORATION

Scale 1:15,840

1/2 0 1/2 1 Miles

Flight Line

Fiducial 2120 (Not recovered from film)
Fiducial 2118 (Recovered from film)
Fiducial 2110 (Not recovered from film)
Fiducial 2104 (Recovered from film)
301 Line number and Flight direction

ISOMAGNETIC LINES (total field)

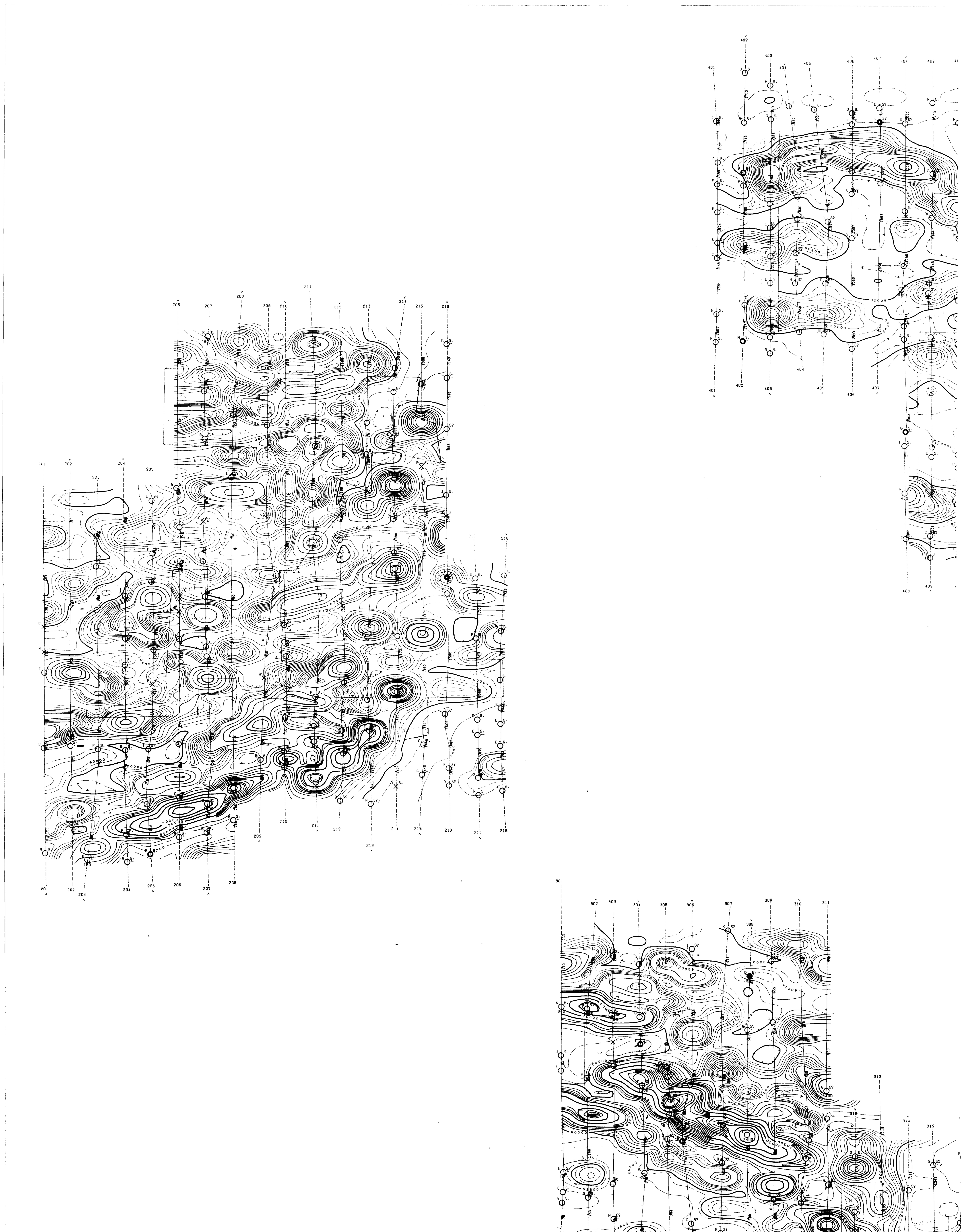
500 nT
100 nT
20 nT
10 nT
magnetic depression

Magnetic Inclination within the survey area: 78°

290

JOB	DATE	DRAWN BY	CHECKED BY
202	SEPT. 84	B.P.	

SHEET 3



LOCATION MAP

SCALE 1:250,000

DIGHEM[III] SURVEY

KAKAGI LAKE AREA, ONTARIO

ENHANCED MAGNETICS

FOR

SAULT MEADOWS ENERGY CORPORATION

REGISTERED PROFESSIONAL ENGINEER D. C. FRASER PROVINCE OF ONTARIO

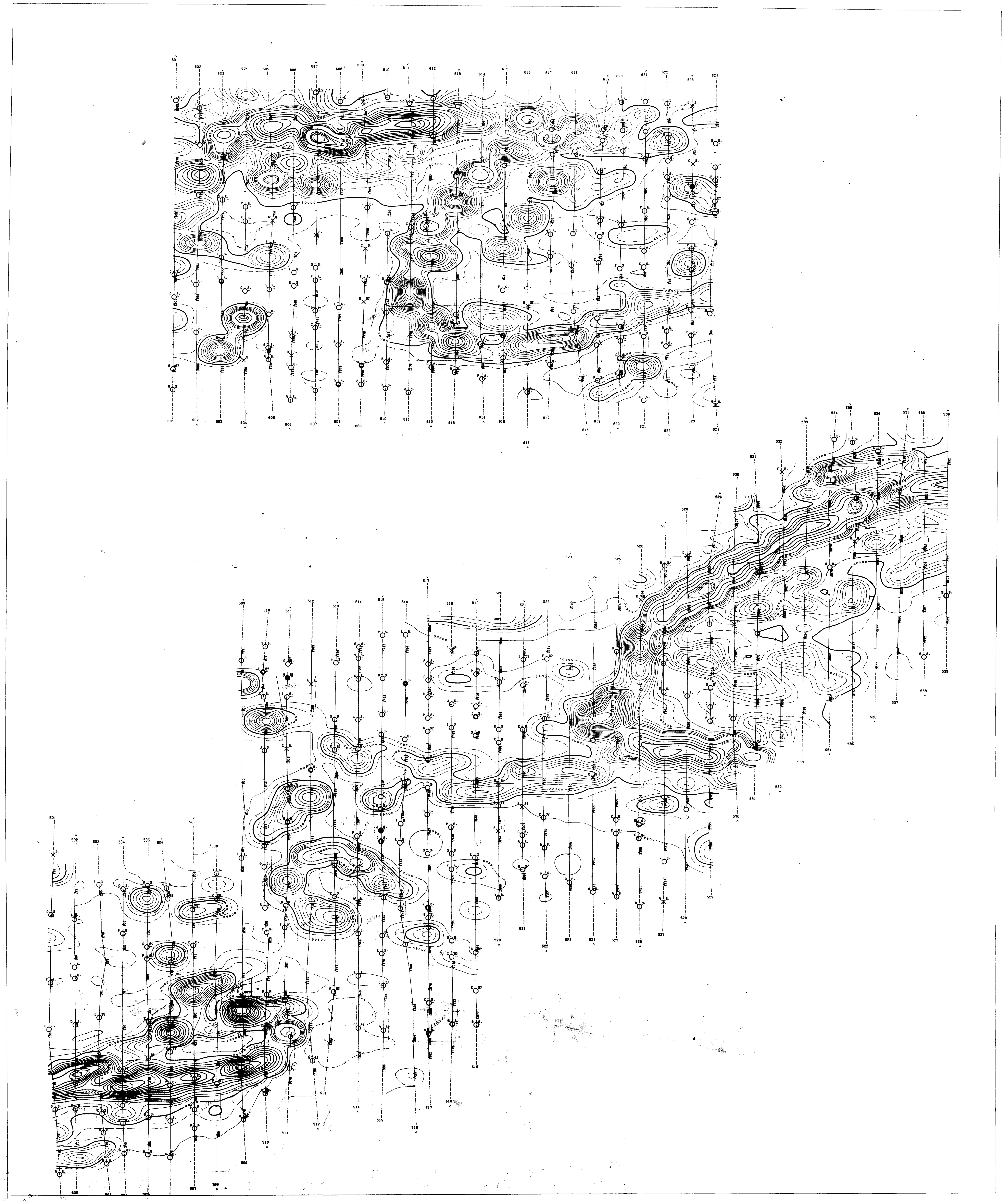
Scale 1:15,840

½ 0 ½ 1 Miles

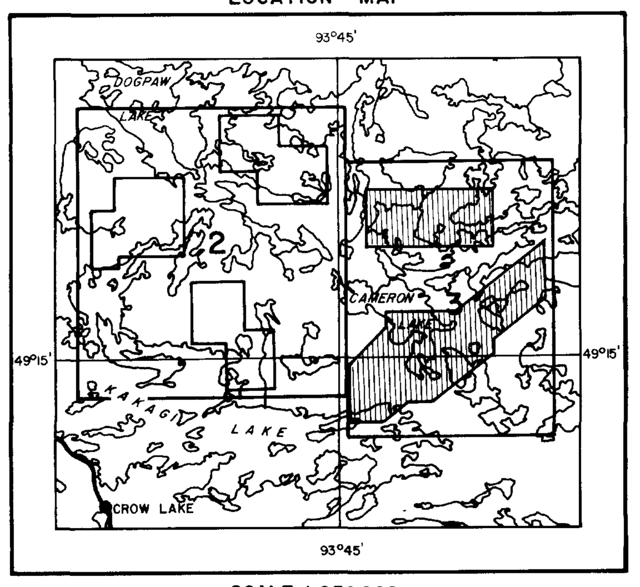
52F05SE0086 2.7325 ROWAN LAKE

300

SHEET 2



LOCATION MAP



SCALE 1:250,000

DIGHEM^III SURVEY

KAKAGI LAKE AREA, ONTARIO

ENHANCED MAGNETICS

FOR

SAULT MEADOWS ENERGY CORPORATION

Scale 1:15,840

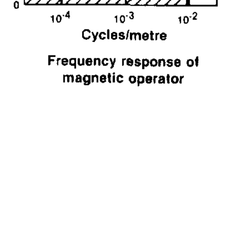
1/2 0 1/2 1 Miles

Flight Line

- Fiducial 2120 (Not recovered from film)
- Fiducial 2118 (Recovered from film)
- Fiducial 2110 (Not recovered from film)
- Fiducial 2104 (Recovered from film)
- 301 Line number and Flight direction

ISOMAGNETIC LINES (enhanced field)

- 5000 — 5 000 nT
- 1000 — 1 000 nT
- 200 — 200 nT
- 100 nT
- magnetic depression



Frequency response of magnetic operator

JOB	DATE	DRAWN BY	CHECKED BY
202	SEPT. 84	B.P.	

SHEET 3

SURVEY

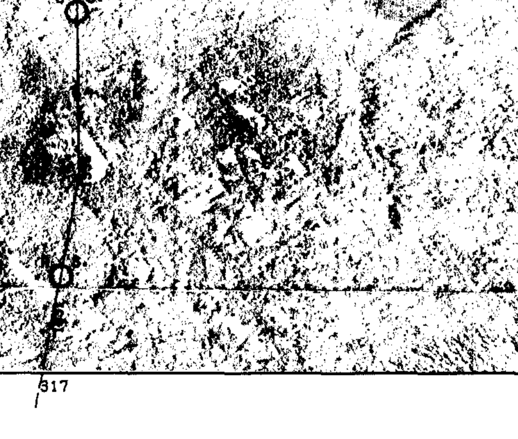
AREA, ONTARIO

ETIC ANOMALIES

OR

ERGY CORPORATION

Flight Line



1: 15,840

1 2 1 Miles

ANOMALY GRADE	EM GRADE SYMBOL	CONDUCTANCE RANGE (MHOS)
6	●	> 99
5	✹	50—99
4	●	20—49
3	◉	10—19
2	O	5— 9
1	○	< 5
—	X	Indeterminate

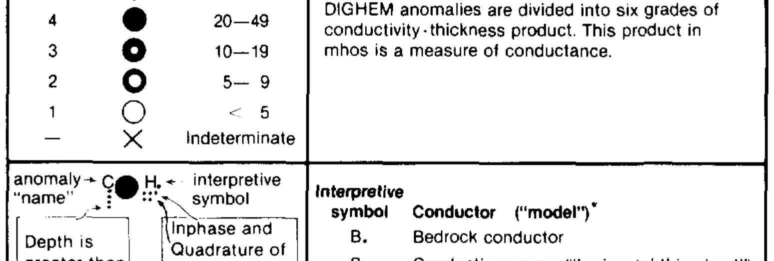
DIGHEM anomalies are divided into six grades of conductivity-thickness product. This product in mhos is a measure of conductance.

anomaly "name" → C ● H. ← interpretive symbol

Depth is greater than
- · 15 m
- : 30 m
- ⋮ 45 m
- ⁞ 60 m

Inphase and Quadrature of Coaxial Coil is greater than
- . 5 ppm
- .. 10 ppm
- ... 15 ppm
- .... 20 ppm

Interpretive symbol	Conductor ("model")*
B.	Bedrock conductor
S.	Conductive cover ("horizontal thin sheet")
H.	Broad conductive rock unit, deep conductive weathering, thick conductive cover ("half space")
E.	Edge of broad conductor ("edge of half space")
L.	Culture, e.g. power line, building, fence



27325

T 2

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202	SEPT. 84	BP.	

SURVEY

AREA, ONTARIO

TIVITY

)R

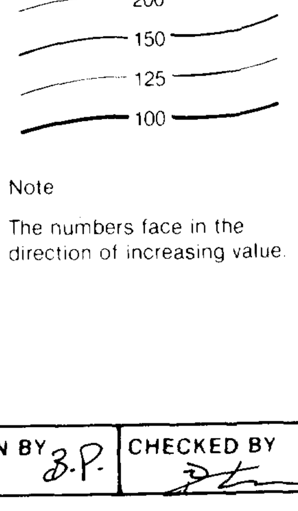
ERGY CORPORATION

1:15,840

1 2 1 Miles

LEGEND

Contours in ohm m
at ten intervals per decade



Note

The numbers face in the direction of increasing value.

2.7325

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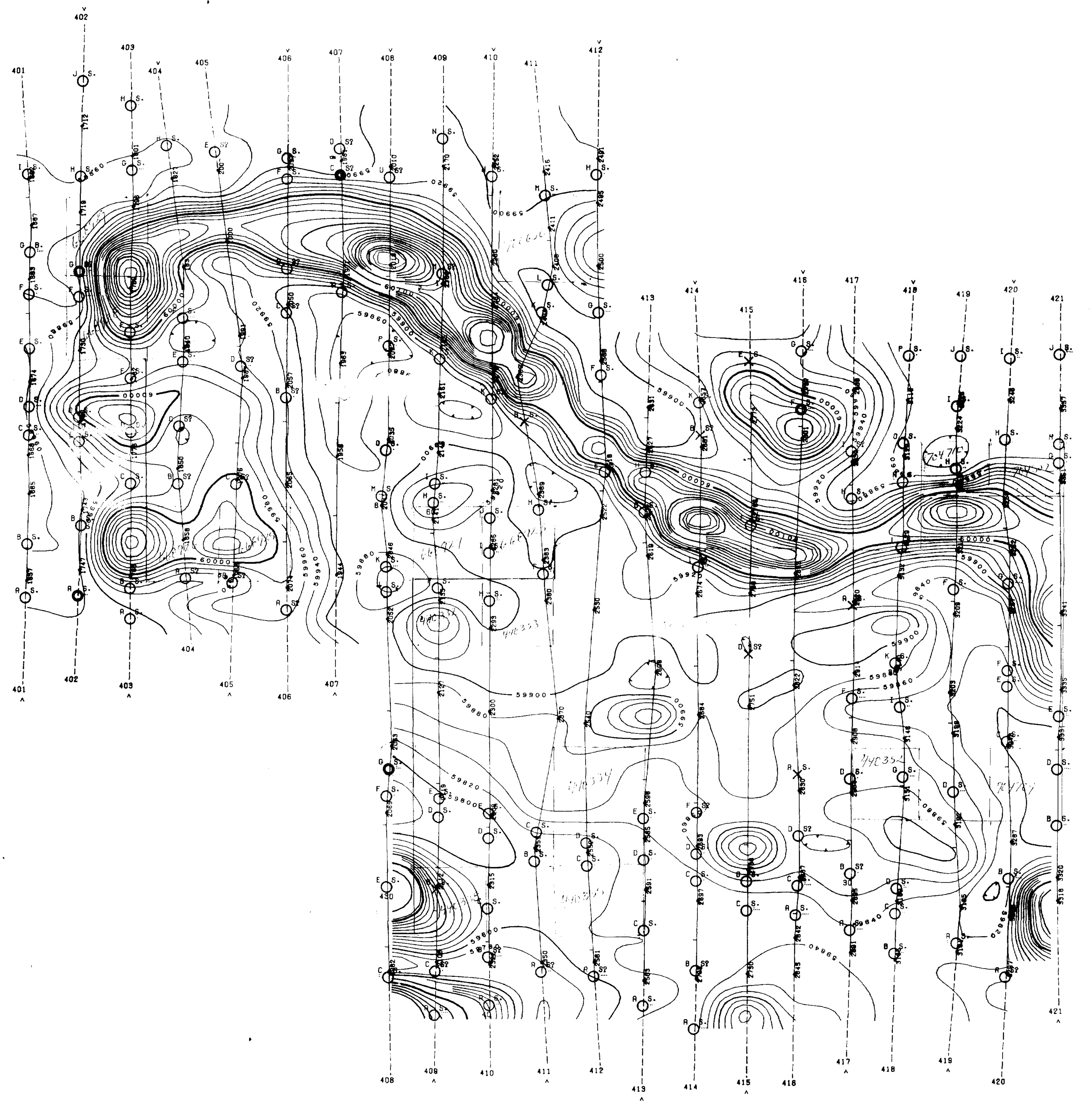
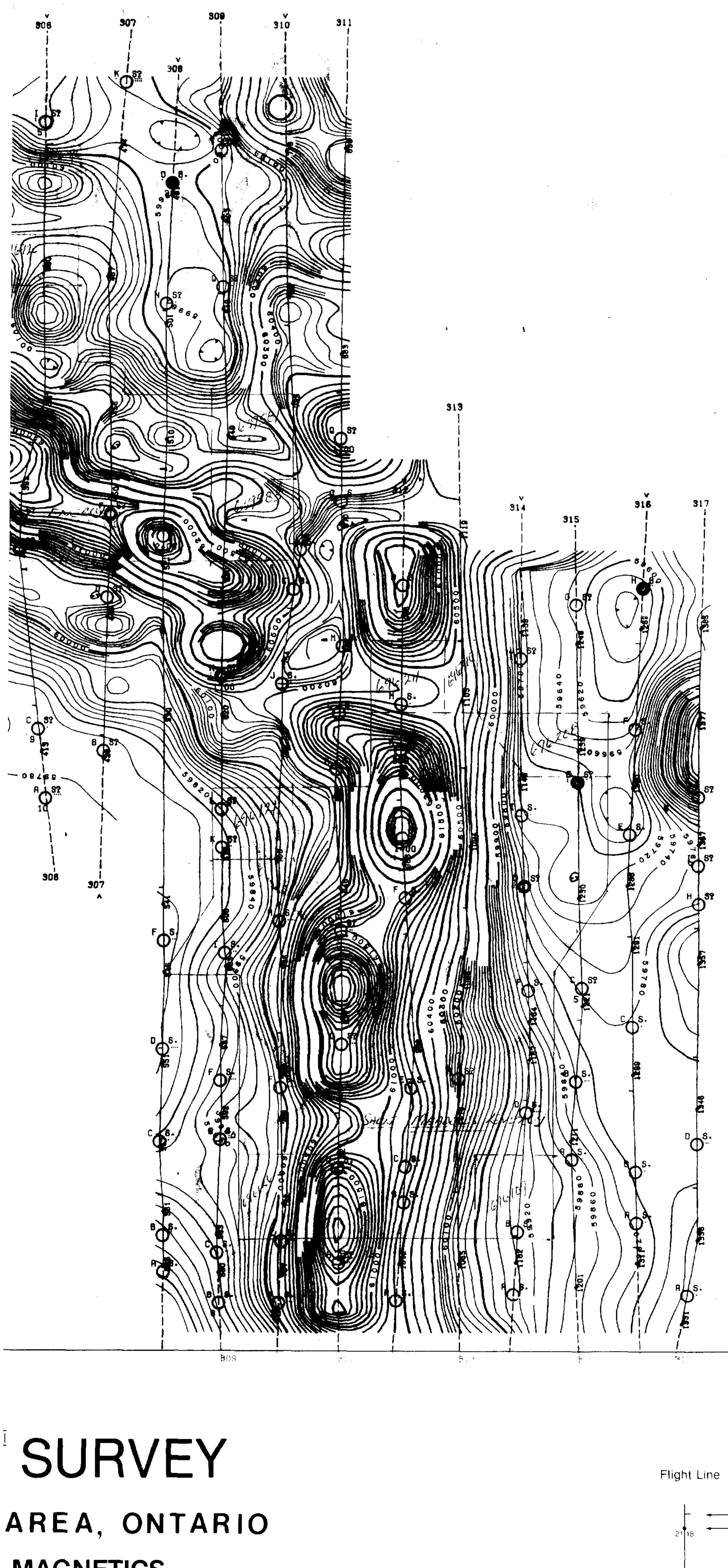
202	SEPT. 84	B.P.	

T 2





SURVEY

AREA, ONTARIO

MAGNETICS

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ERGY CORPORATION

Flight Line

Fiducial 2120 (Not recovered from film)
Fiducial 2118 (Recovered from film)
Fiducial 2110 (Not recovered from film)
Fiducial 2104 (Recovered from film)
301 Line number and Flight direction

ISOMAGNETIC LINES
(total field)

500 nT
100 nT
20 nT
10 nT
magnetic depression

Magnetic Inclination within the survey area: 78°

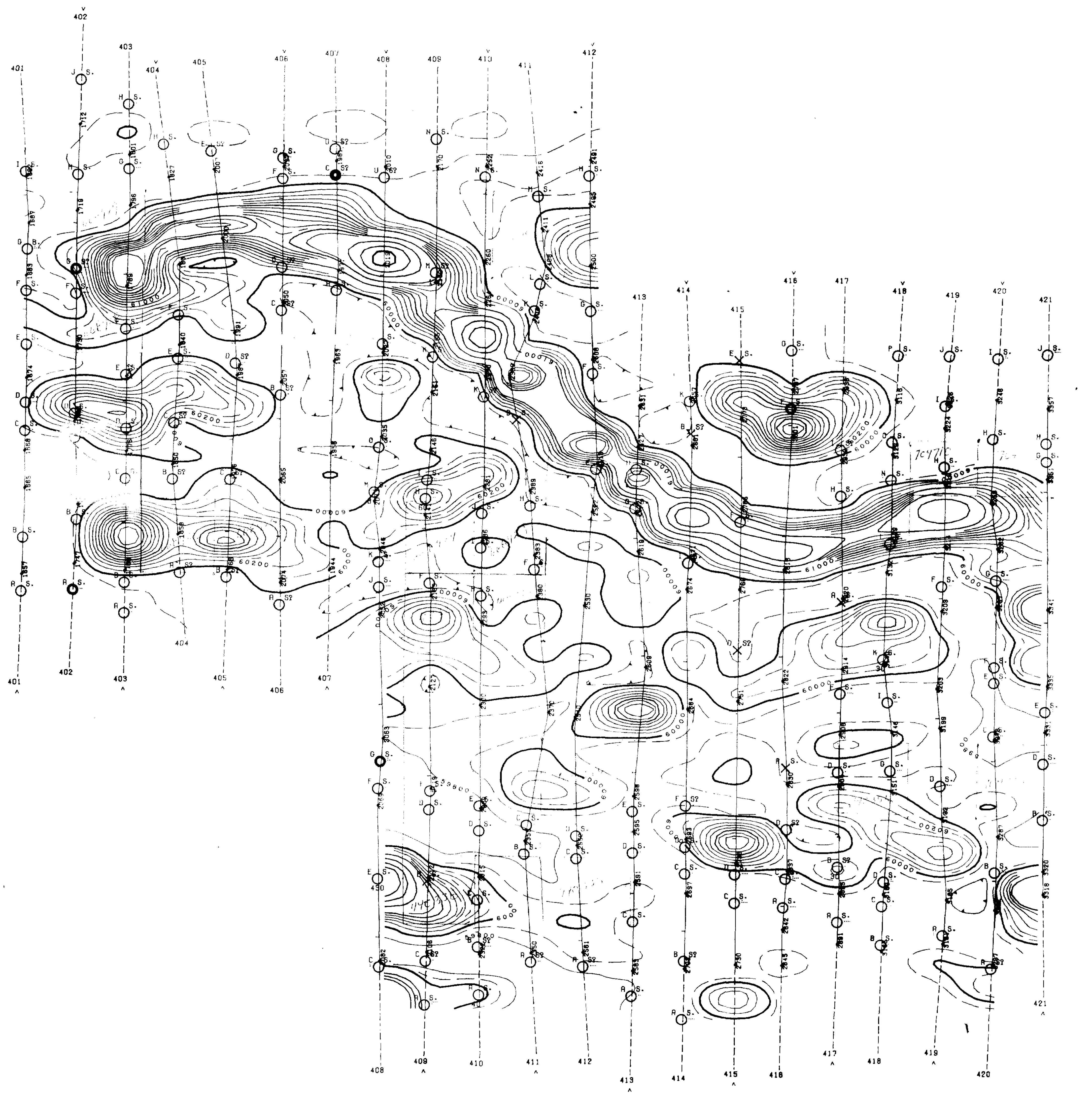
1:15,840

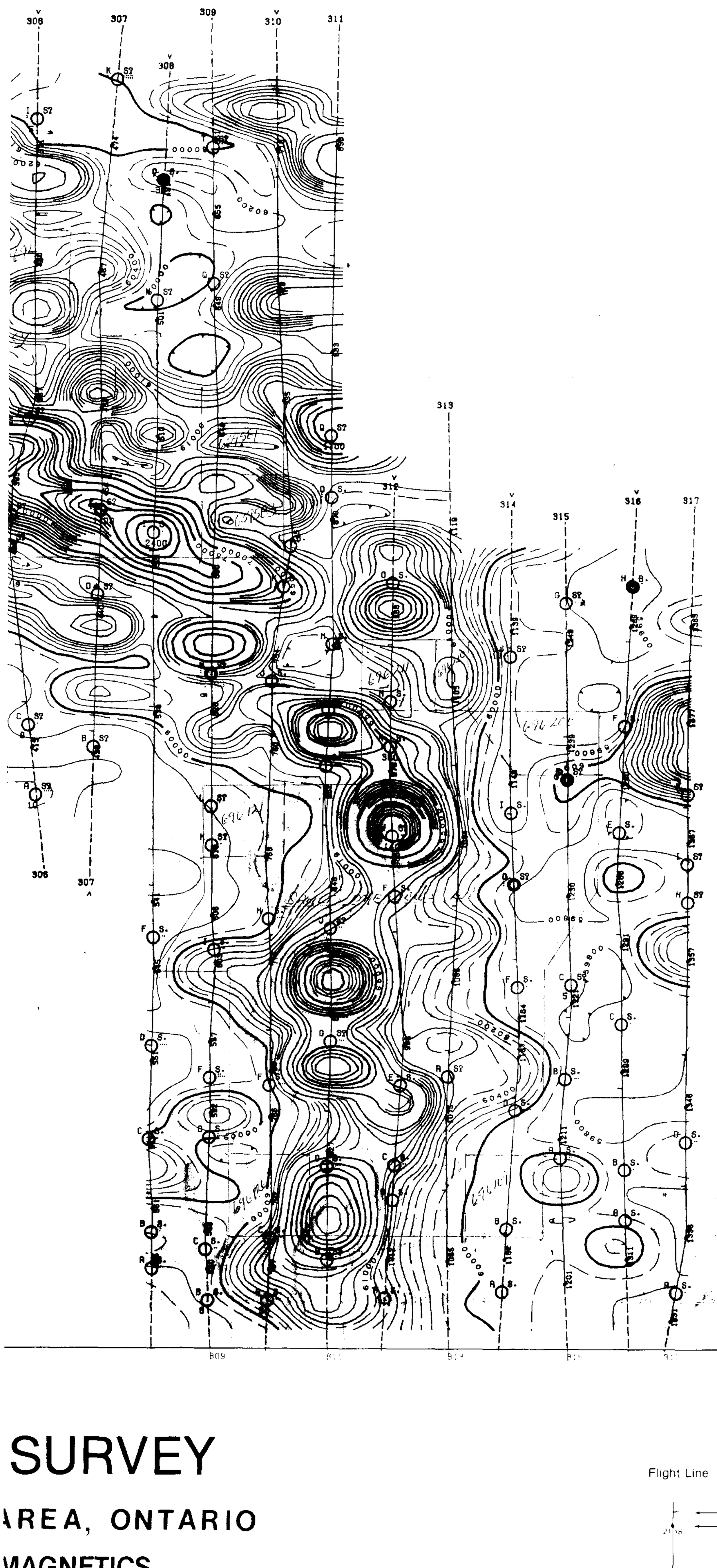
1 2 1 Miles

2.7325

T 2

JOB	DATE	DRAWN BY	CHECKED BY
202	SEPT. 84	38.	[illegible]





SURVEY

ꞁREA, ONTARIO

ꟽAGNETICS

R

RGY CORPORATION

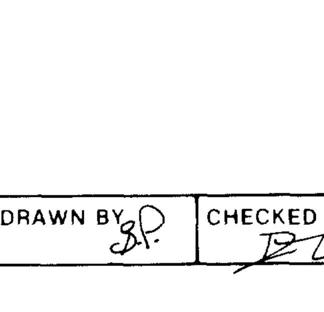
15,840

1 2 1 Miles

Flight Line

ISOMAGNETIC LINES (enhanced field)

5000	5 000 nT
1000	1 000 nT
200	200 nT
	100 nT
	magnetic depression



Frequency response of magnetic operator

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202	SEPT. 84		

2