

2-13921



52F10NW0055 2.13921 CONTACT BAY (WABIGOO

010

A Geological and Geophysical
Reconnaissance
of the
Contact Bay Property
for
Grand Oakes Exploration Inc.

RECEIVED
FEB 12 1991
MINING LANDS SECTION

qualification
2.13077

Christopher Wagg B.Sc.
Wayne E. Holmstead B.Sc.

January, 1991



52F10NW0055 2.13921 CONTACT BAY (WABIGOO

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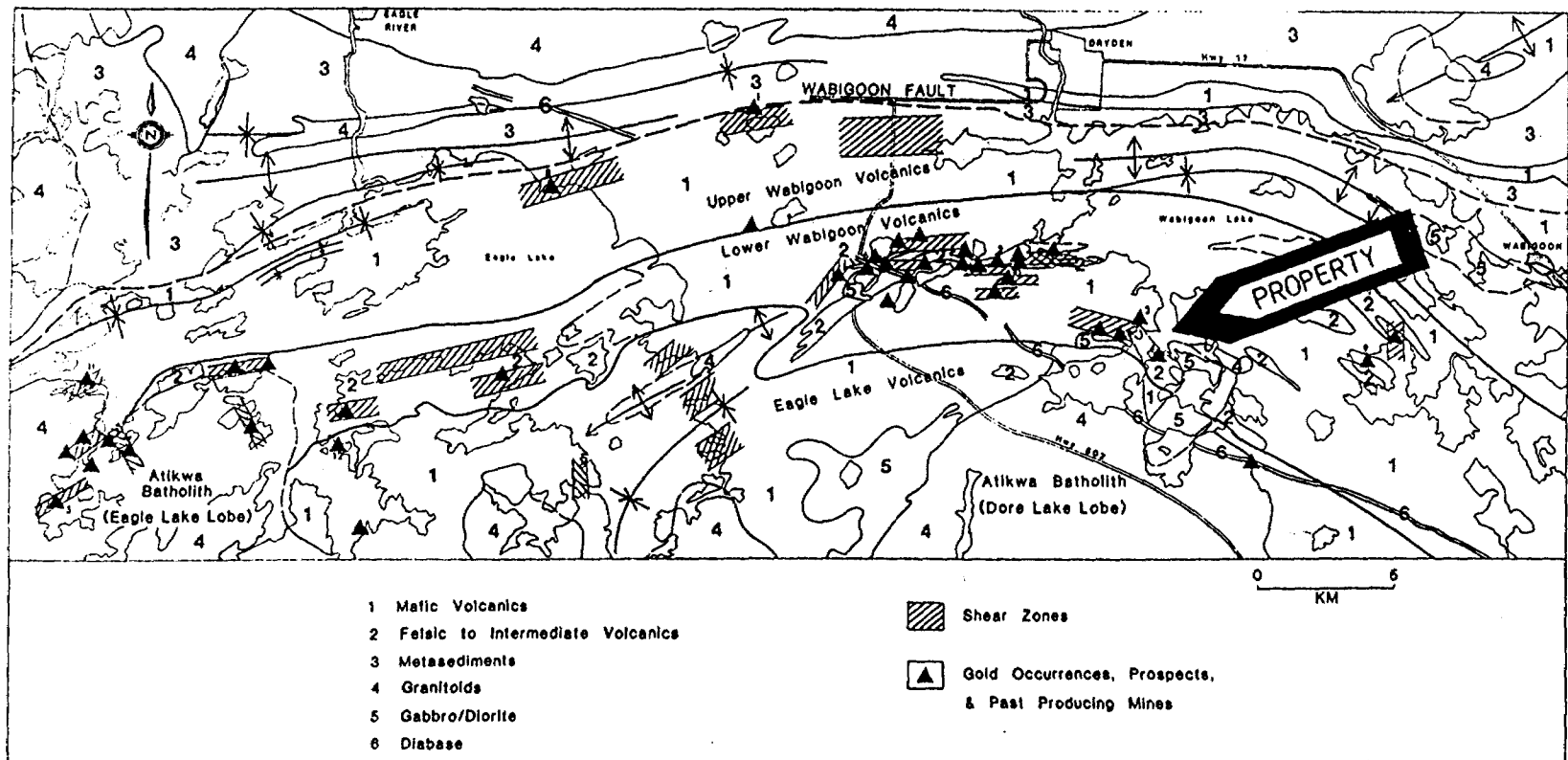
INTRODUCTION

At the request of W. E. Holmstead and Associates Inc. of Kingston, Ontario, the author completed a preliminary examination of the Contact Bay property, located near Dryden Ontario. A two-man field party spent a total of fifteen days on the property during October and November, 1990. Most of this time was spent confirming the presence of showings reported by previous property owners. Work was suspended due to the onset of freeze-up. Consequently, the bulk of the property was not traversed.

The property consists of 32 contiguous, unpatented mining claims, as shown in Figure 2. The waters of Contact Bay cross the property in a northeast-southwest direction, covering approximately half of it. At the property's northeastern corner, two claims abut the Butler Lake Nature Reserve, which is withdrawn from staking. At the northwestern corner, the property partially surrounds a group of four patented claims.

The property is situated approximately six kilometres south across Wabigoon Lake from the town of Dryden, Ontario. It covers part of Contact Bay and the surrounding shorelands, and is accessible most easily by boat. The property may also be reached by means of the Contact Bay Road (signed) which departs eastward from highway 502 connecting Dryden with Fort Frances, about 20 kilometres outside of Dryden. This road reaches the shoreline of Contact Bay after about three kilometres, from which point it is still one to two kilometres to the property's boundary.

Dryden has a population of around 6500, and provides all the services necessary to provision field crews. The town has an airport, with commercial carriers providing direct flights to Thunder Bay and Winnipeg.



Geology and gold deposits, Eagle and Wabigoon Lakes.

Figure 1
Regional Geology, from Redden 1990, p.17

SOURCE:
ONT. GEOL. SURVEY,
MISC. PAPER 134,
PG. 13, 1987.

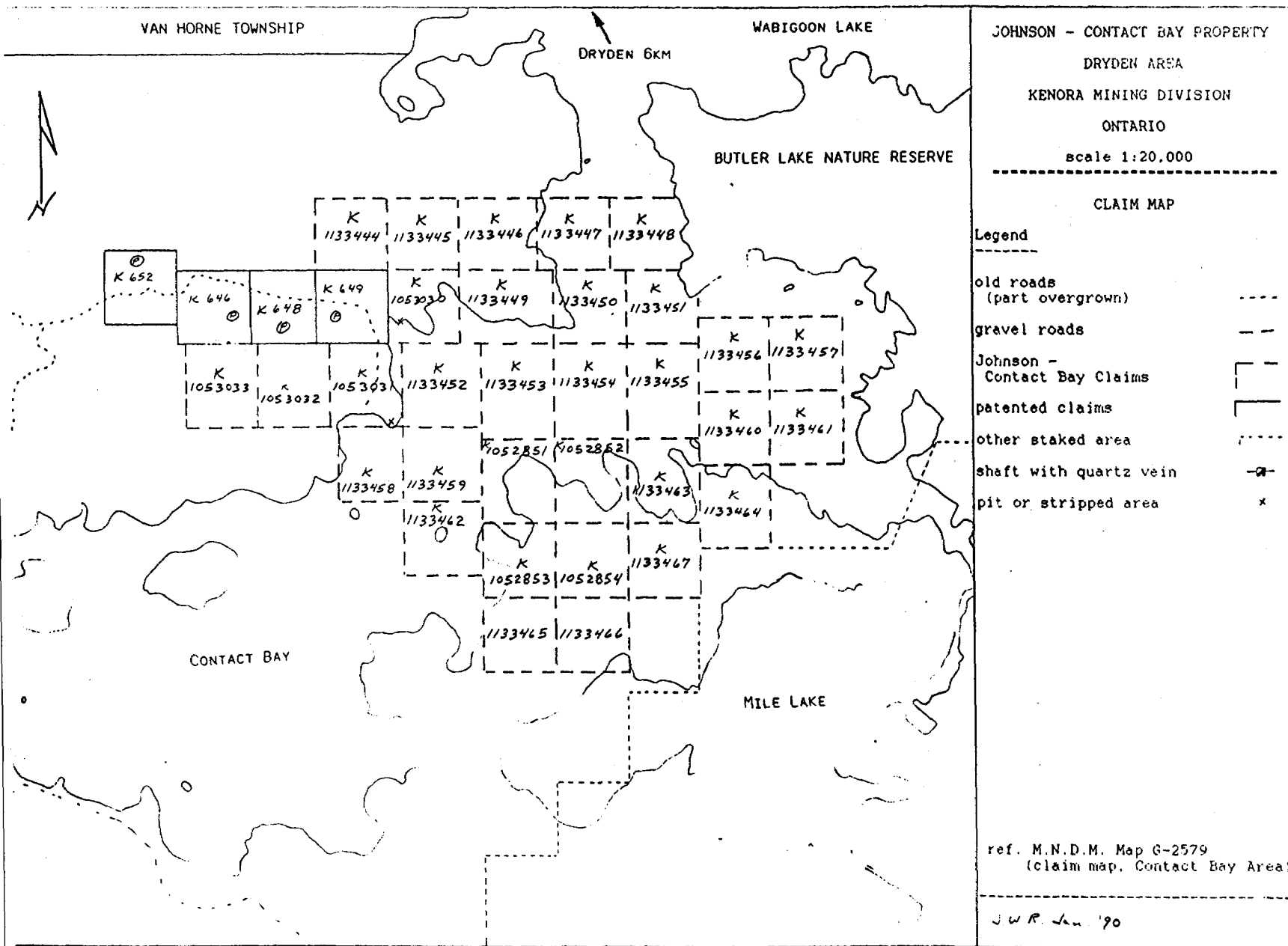


Figure 1
 Claim Sketch, after Redden, 1990, p.18.

GEOLOGY

The property is underlain primarily by mafic to felsic metavolcanics of the Lower Wabigoon Formation. As shown in Figure 3, several gabbroic and granitic intrusives occur along the southern margin of the property. A thick layer of lacustrine clay covers the area, resulting in few outcrops in areas of low relief. A more complete description of the regional geology is available in J. W. Redden's report from January, 1990.

As this programme was focused toward prospecting rather than geological mapping, the field names assigned to various rock units are based upon their present appearance, and may not reflect original compositions or modes of origin in some cases. Furthermore, the legend on the accompanying sketch map is not intended to imply any age relationships between rock types. Within the portion of the property which was examined, the lithologies encountered were divided into five distinct groups.

Map unit (1), intermediate to felsic volcanics, is by far the most common rock type. It is generally light to dark grey, fine to medium grained, and ranges in composition from dacite to rhyodacite. It is commonly porphyritic, with feldspar phenocrysts rarely exceeding two millimetres. Flow margins were rarely distinguishable, partly due to extensive jointing having reduced many outcrops to mounds of jumbled blocks.

Map unit (2), cherty to tuffaceous "sediment", varies in colour from almost black to a slightly translucent, very pale grey. This rock type is generally exceptionally fine grained, and fresh surfaces frequently resemble quartzite. Weathered surfaces, however, are often bright white, suggesting that feldspar constitutes a large proportion of the rock. Evenly disseminated, fine to very fine pyrite occurs at levels of up to three to five percent in virtually every exposure of this rock type. At one exposure, this unit appeared to be at least ten metres thick. This unit hosts, or occurs adjacent to, all observed exposures of map unit (5).

Map unit (3) consists of mafic to intermediate volcanics which are medium to dark green in colour. This rock type was observed at only one location within the area examined. It is not known whether this exposure is typical of mafic to intermediate volcanics on the remainder of the property. On the south shore, at L 1+65E, 4+75N, unit (3) is in contact with unit (1), with the contact striking 155 degrees and dipping about 80 degrees to the northeast. At this point unit (3) displays a much more pronounced foliation than that encountered within units (1) or (2).

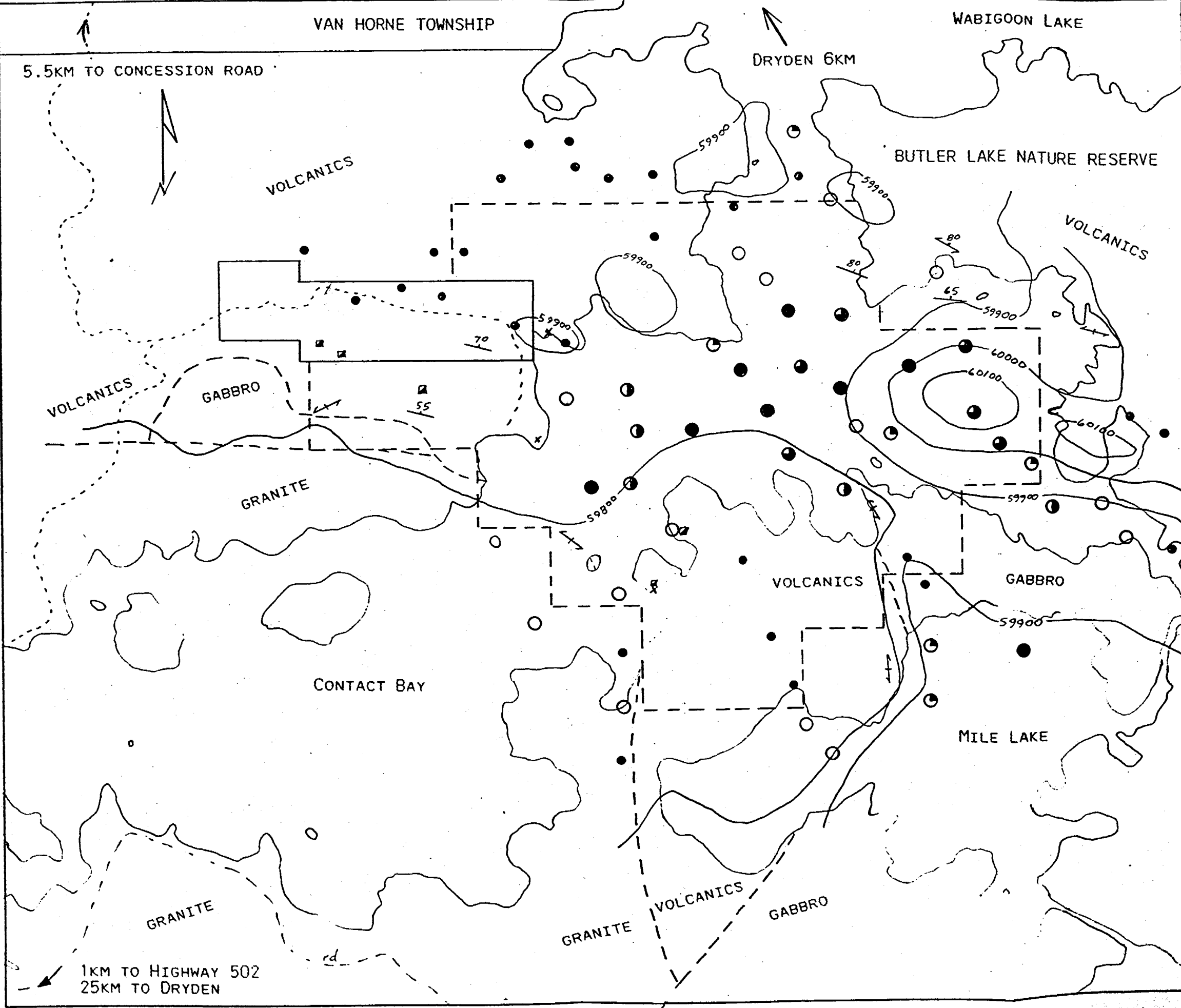
JOHNSON - CONTACT BAY PROPERTY
 DRYDEN AREA
 KENORA MINING DIVISION
 ONTARIO
 scale 1:20,000

 GEOLOGY, AM and AEM SURVEY

- Legend
- old roads (part overgrown) -----
 - gravel roads rd
 - Johnson - Contact Bay Claim Block []
 - patented claims []
 - shaft []
 - pit or stripped area x
 - geological contact - - - -
 - strike and dip of foliation $\nearrow 80$
 - strike of vertical foliation \longleftrightarrow
 - strike and dip of primary layering $\underline{60}$

- Total Field magnetic contour -6000-
- AEM Conductors
- 1 or 2 channel []
 - 3 or 4 channel []
 - 5 or 6 channel []
 - 7 or 8 channel []
 - 9 or 10 channel []
 - 11 or 12 channel []
- ref.
- O.D.M. Map No. 50e (geol.)
 - O.G.S. Map 80972 (AM & AEM)
 - M.N.D.M. Map G-2579 (claims)

J.W.R. Jan. '90 Fig. 3
p.21



Map unit (4), gabbroic sills and/or dykes, were observed at three locations. All three were fine to medium grained and light to medium green in colour. Two contained pyrrhotite and chalcopyrite mineralization, with one of these, located on the south shore at L 3+25E, 0+45N, exhibiting extensive shearing and alteration.

Map unit (5), magnetite "iron-formation", was observed only on the north shore. It does not resemble classic Algoman or Superior type iron-formations. Rather, it is composed primarily of fine to medium grained granular to massive magnetite, without any associated hematite or jasperoid silica. The banding present within the unit resembles a metamorphic or shear related foliation more than it resembles a sedimentary fabric.

Several exposures of unit (5) on the shoreline near L 1+00E and L 3+00E are sheared at 120/65-75 NE, although both zones appear to strike closer to 150 degrees after they were traced inland a short distance. There appear to be two parallel horizons, each several metres thick, although it is possibly one zone offset by faulting. Pyrite is present as seams and disseminations at levels of one to five percent, in places, within both horizons.

Magnetite was observed at two other locations on the north shore, both alongside the main shear zone in claim K 1053032. At about L 4+50W, 0+35S minor magnetite, pyrite, and chalcopyrite were found at the north end of a trench. Approximately 225 metres to the northwest, at about L 5+90W, 1+00N minor magnetite and pyrite were observed; again within the hanging wall of the shear zone.

MAGNETIC SURVEY

The instrument used was a Gem Systems GSM-18 (s/n 5130) proton precession magnetometer, with a resolution of 0.1 gammas and an absolute accuracy of better than 1.0 gamma. Readings were determined over a 200 millisecond interval and the instrument's range was set to centre on a value of 59,500 gammas for the entire survey.

In order to correct for diurnal variations in the intensity of the earth's magnetic field, base station readings were taken at one to one and a half hour intervals. The base station employed was witness post #2-K1133449, located at approx. 8+00 E, 2+35 N., and its datum value is 59 410 gammas. The maximum recorded variation from this reference field was +/- 35 gammas.

Most of the area surveyed exhibited little variation in total field strength. Generally, values are between 59,500 and 59,600 gammas. Exceptions to this occur in the eastern and northeastern parts of the property. Values of 59,600 to 59,750 having a northwesterly trend, occur towards the (north)ends of lines 9+00 E to 15+00 E. This likely represents a minor change in bedrock chemistry to more mafic volcanic rocks in this area.

There are several areas where values below 58,000 gammas or over 60,000 gammas indicate the presence of a bedrock anomaly.

A large area within claims K1133456, K1133457, K1133460, K1133461, and the eastern 1/4 of K1133455 exhibits values in excess of 59,600, and contains two linear trends with peak values of 60,000 to 60,500. Magnetic anomaly #1 extends from L 5+00 E, 14+00N to L 12+00 E, 15+25 N, with peak values on Lines 6, 8, and 10.

Magnetic anomaly #2 is irregular in shape, about 200 metres wide and extends from L 6+00 E, 16+75 N to L 11+00 E, 19+50 N; continuing (outside claim group) onto L 12+00 E, 19+25 N. These two anomalous areas may define a fold nose, but this interpretation is by no means certain.

The final anomalous area located by the present survey (#3), may be related to quartz veining carrying up to 0.3 oz/ton Au.

Samples taken from within the claim group, in the vicinity of the shoreline where the claim line between K649 and K1053030 hits Contact Bay, were reported to the author to have assayed up to 0.3 oz/ton Au, (J.W. Redden, personal communication April, 1990) In the same area, from line 0+00 E, 3+00 N to 2+00 E, 2+75 N, a zone of low values around 58,000 gammas occurs adjacent to a high of 60,000+ gammas. A spot high of about 60,500 gammas, located at 5+00E, 3+00 N may represent an eastward continuation of anomaly #3, or may be an unrelated feature.

One magnetic high is associated with a weak conductor located in the vicinity of the major iron formations previously mentioned. A second much larger and stronger magnetic high is located beneath Contact Bay at the extreme eastern end of the claim group. This high is coincident with a moderately to strongly conductive zone trending northwesterly. Several other north to northwesterly striking, moderately to strongly conductive zones occur beneath Contact Bay in the central part of the claim group. In addition, a weak conductor is shown extending southeasterly from the vicinity of one of the shafts on the south shore, to the extreme southeastern corner of the claim block.

ELECTROMAGNETIC SURVEY

The instrument used was a Geonics EM-16, owned by W. Holmshead of Kingston, Ontario. For the north-south lines (NW sheet) the transmitter used was Cutler, Maine (NAA; 24.0 KHz). For the northeast-southwest lines (SE sheet), Annapolis, Maryland (NSS; 21.4 KHz) was used. To save time, lines 10, 11, and 12 (045) were surveyed using NAA, on a day that NSS shut off. All lines were completed with the instrument oriented appropriately for the station chosen, facing northerly.

Pronounced "anomalous" responses along the shoreline and around islands make interpretation in these areas very difficult. In addition much of the area surveyed exhibits very flat in-phase and quadrature profiles, possibly due to lake bottom clay "damping" the field being read by the instrument.

A strong response at 12+00 E (360), 7+50 N and some response on adjacent lines suggests a bedrock conductor striking west to northwest. Shoreline/shoal effects can likely be ruled out at this location.

Reasonably strong responses extending from 5+00 E (045) to 8+00 E at 15+50 to 15+00 N suggest the presence of 1, possibly two, conductive bodies, roughly paralleling magnetic anomaly #1. There are several islands in the area, however, and the likelihood of unseen shoals renders this interpretation a possible rather than probable one.

The property lies within the area covered by an airborne magnetic and electromagnetic survey map, #80972, which was published in 1987 by the Ontario Geological Survey. The portion of the map relevant to the Contact Bay property is reproduced in J. W. Redden's 1990 report for the property. The map shows three magnetic highs and a large number of conductors within the property's boundaries. (Figure 3)

MINERALIZATION AND ASSAY RESULTS

A total of 105 B-horizon soil samples and 71 rock samples were collected from the property during the recent programme. Soil samples were analyzed for gold, copper, and arsenic, while most rock samples were analyzed for gold only. All samples were shipped to the Thunder Bay office of Accurassay Laboratories Ltd. Sample locations are identified on the map accompanying this report.

Virtually all of the recent work was conducted in the vicinity of old workings dating from around the turn of the century. For the purposes of discussion, four areas of old workings have been identified: the main zone within claims 1053032 and 1053033; the pitted and trenched area on the north shoreline, in the southeast corner of claim 1053031; the shaft and pits on the south shore, within claim 1052851; and the shaft and pits within claim 1052853. Each of these areas will be discussed separately.

Within claim 1052853, one water-filled shaft, three trenches, one large pit, and one small pit were located by the author. The trenches and the large pit were entirely overgrown. Alongside one trench, large pieces of vein quartz rubble, locally well mineralized with coarse grained black tourmaline, ankerite, and pyrite, returned only 32 ppb gold from a grab sample. A grab sample from the small pit returned about 400 ppb gold and 0.7% copper, from a sheared and altered gabbroic rock carrying up to 5% combined chalcopyrite and pyrrhotite. No platinum or palladium values were obtained.

Three grab samples from a barren looking quartz vein, exposed at the waterline in the shaft, returned 100, 189 and 361 ppb gold. The vein appeared to be relatively flat lying, with irregular walls, and was a minimum of 0.6 metres thick where accessible to the author. It was exposed six feet below the collar on the northeast and southwest sides of the shaft. The shaft itself is about ten feet square, and is inclined approximately seventy degrees to the northwest. The vein was apparently covered by water during visits by previous authors.

Vein quartz in the dump was generally coarse grained, and rarely contained traces of ankerite and fine pyrite. Minor, fine grained, green tourmaline was occasionally observed at the vein margin. Traces of arsenopyrite were encountered in several pieces of intermediate volcanic wallrock. No samples were taken from the dump.

The reconnaissance geochemical survey identified a small area adjacent to the shaft in which arsenic levels were slightly elevated. Within this area one sample returned 343 ppb gold, which is at least ten times background levels.

Approximately three hundred metres to the northeast of the first area, within claim 1052851, two types of quartz veining were encountered. The shaft and nearby pits and trenches expose quartz veins within shear zones striking northwesterly and dipping steeply southwest. This zone appears to average from one to one and a half metres wide and to extend for a considerable distance along strike. Quartz veining within it appears to be fairly continuous, although the width and texture of the vein(s) changes rapidly over short distances.

Samples from the main shear shown on the map returned values ranging from 74 to 1673 ppb gold. The 1673 ppb value is from a one metre long representative chip sample at the pit. The sample was composed of 20%-30% sugary quartz stringers, 20%-30% weakly sheared and silicified wallrock, and 50%-60% altered (fine green tourmaline, chlorite, some sericite?) wallrock. The veins contained 5% chlorite, several percent pyrite, traces of chalcopyrite, and some hematite staining.

Elsewhere in this area, small veins parallel to the main shear, and many irregular joint filling veins, returned values generally less than 100 ppb gold. One low value of 112 ppb gold is somewhat intriguing since the sample came from intermediate to felsic volcanics carrying several percent fine pyrite. The mineralized rock occurred along the contact with mafic to intermediate volcanics, which were encountered only once during the programme.

Two strongly anomalous gold values of 223 and 267 ppb gold were returned from soil samples taken about seventy five metres south-southeast of the shaft. This anomaly appears to be unrelated to the main shear zone, and occurs in an area of very little outcrop. About fifty metres southwest of the shaft, possibly on strike with the geochemical anomaly, a single soil sample indicated anomalous levels of arsenic.

Within claim 1053031, across Contact Bay from the previously mentioned areas, soil geochemistry did not reveal any anomalous zones. Rock samples from two types of quartz rubble and/or float returned values less than 100 ppb gold. The first type of quartz was mineralized with coarse black tourmaline, coarse siderite and minor pyrite. The second type contained minor chalcopyrite, pyrite, and molybdenite, and displayed highly sheared, chloritized wallrock exhibiting strong iron carbonate alteration. Dimensions of both types of quartz blocks suggest source veins are greater than 0.3 metres thick.

The highest values obtained in this area were 104 and 165 ppb gold, from grab samples of joint filling veins less than 0.1 metre thick, well mineralized with chalcopyrite and molybdenite.

Also within this area, a chloritized highly sheared zone is exposed on a three metre face in the trench which extends northwest from the shoreline. Rubble obscures the bottom of the trench for most of its length. The shear is about one metre wide and appears to be widening to depth. It strikes about 120 degrees and dips between 90 degrees and 85 degrees north. The shear carries about five percent calcite as small crystals and coatings along shear planes, and hosts a few tiny quartz stringers. A chip sample of the shear returned only 31 ppb gold.

Within claims 1053032 and 1053033, extensive stripping and trenching has been completed by previous property owners along a strike length of five hundred metres across the property. A fenced off shaft is located on the line between the two claims, about seventy five metres south of the number one/four post. Historical data concerning underground development work is available in Redden's qualifying report.

The work has exposed a shear zone which hosts a continuous, 0.1 to 1.5 metre wide quartz vein for part of its length. The vein and shear strike 110 to 120 degrees and dip 75 to 80 degrees to the northeast. Weak chloritization is evident for most of the shear zone's length, and very weak calcite alteration was noted at several locations. Wall rocks are dominantly intermediate to felsic volcanic flows, which appear to strike between 90 and 120 degrees, and to dip moderately to steeply north.

From the north boundary of claim 1053033, nearly continuous stripping exposes the vein for a distance of two hundred and fifty metres to the southeast. For the first hundred to hundred and twenty five metres the vein averages 0.2 to 0.3 metres thick. For the next hundred and twenty five metres the vein averages about 0.5 metres thick. Beyond this point stripping and pitting continues intermittently for a further two hundred and fifty metres. Within this second section, most trenches are substantially overgrown. It was possible to locate the shear, and narrow quartz veins or stringers, in most pits, but the shear itself did not appear to be as wide, and there was not a single continuous vein as there is to the northwest. Several pits and trenches have been excavated on parallel structures outcropping to the southwest, up to seventy five metres away from the main shear.

The continuous quartz vein is sugary textured for most of its length, and contains almost no sulphides. Traces of pyrite were observed very rarely. The vein contains several percent chlorite in places, and hematite staining varies from weak to intense.

Nine samples were collected from the main shear zone along a strike length of four hundred metres. Each is described below, from northwest to southeast.

About 115 metres northwest of the shaft, a sample representative of intensely hematized, broken quartz alongside the trench assayed 2099 ppb gold (check 2634 ppb). 70 metres southeast of the shaft, a 1.4 metre chip sample across the vein returned 547 ppb gold (check 772 ppb).

About 85 metres from the shaft, a 0.15 metre sample across the vein returned 4535 ppb gold (check 3723 ppb). Adjacent to this a 1.2 metre chip sample was taken across the shear, which at this point contained minor magnetite and pyrite, and a few quartz stringers within a silicious tuff. The sample assayed 988 ppb gold.

About 90 metres from the shaft, a grab sample from rock resembling the 1.2 metre long chip assayed 4178 ppb gold (check 3624 ppb).

About 275 metres from the shaft, a grab sample from rubble next to an overgrown trench returned a value of 482 ppb gold. The sample consisted of a few quartz stringers in silicious tuff weakly mineralized with chalcopyrite, molybdenite, pyrite, and traces of native copper.

About 282 metres from the shaft, two 0.2 to 0.4 metre wide shear zones, separated by about one metre of unsheared rock, are exposed on the southeast wall of a pit. Both zones are moderately to strongly chloritized, exhibit weak calcite alteration, and contain a few quartz stringers. The two zones were incorporated into a single grab sample which assayed 33584 ppb gold, equivalent to 0.977 oz./ton (check 30812 ppb).

About 300 metres from the shaft, a grab sample from a tuff carrying minor magnetite and chalcopyrite assayed only 117 ppb gold.

A large number of joint controlled quartz veins up to 20 metres long occur a short distance across strike from the main zone. The dominant orientation of these veins is a strike between 170 degrees and 220 degrees, with moderate to steep dips to the east and west. This type of vein generally assayed less than 100 ppb gold.

Gold values are known from previous work to be associated with an exposure of map unit (5), occurring on the north shoreline near Line 0+00 E. Of three adjoining chip samples across the mineralized outcrop, only the easterly one returned a significant assay. The thickness of the magnetite rich unit is between 2.0 and 2.25 metres. A 1.5 metre representative sample, consisting of about one half map unit (2), returned 41663 ppb gold (check 41267 ppb). One very narrow quartz stringer was observed within the sampled length. Other samples of veined mineralized rock taken in this vicinity returned values generally less than 200 ppb gold. The mineralized horizon was traced along strike for about one hundred metres, until it crossed onto a patented claim to the west.

Two more magnetite rich horizons were encountered along the shoreline near Line 2+00 E. Although both closely resemble the exposure to the west, assays from this area were generally less than 100 ppb.

CONCLUSIONS

Assay results indicate that significant gold values are present within the main quartz vein and shear zone for a strike length of about four hundred metres. The shear is a strong persistent structure, and is interpreted to extend beneath Contact Bay to the shaft in claim 1052851, and possibly beyond it to the southeast.

Soil geochemistry has proven itself to be effective by identifying a gold anomaly south of the shaft in claim 1052851. A second soil anomaly, located within claim 1052853 is of uncertain significance. Rock samples from the area contained only slightly elevated gold values.

Although visible gold is reported to occur in several places on the property (Redden, 1990, and references therein), none was observed by the author.

The presence of high grade gold values within a magnetite-pyrite body on the north shoreline has been confirmed. An exposure of similar rock, exposed about two hundred metres to the east, however, did not contain elevated gold values.

Significant gold values are present on the property in a least two geological settings: in shear hosted quartz veins and within pyritic magnetite iron formations.

Several small magnetic highs which occur along the north shoreline have not yet been investigated, but are probably due to narrow magnetite rich zones. In addition, the anomalous zones beneath Contact Bay which were identified by airborne geophysical surveys, have yet to be evaluated.

No diamond drilling has ever been done on the known gold showings, and soil geochemistry surveys have not been attempted prior to this programme.

RECOMMENDATIONS

A grid should be cut over the land portion of the property. Magnetometer, VLF-EM, and geochemical surveys should be completed, to be followed by a mapping/prospecting programme. Further overburden stripping and rock trenching is recommended for parts of the main zone, on both the north and south sides of the bay, as well as any new showings. The most practical and cost effective method of stripping may be to use explosives and manual labour rather than heavy mechanical equipment.

Diamond drilling is recommended for the main shear zone interpreted to cross Contact Bay, the magnetite-pyrite gold showing, and most of the airborne geophysical anomalies beneath the bay.

Respectfully submitted,

C. A. Wagg, Geologist

REFERENCES

1987, O.G.S. Map 80972, Airborne Electromagnetic and Total Field Magnetic Survey, scale 1:20 000.

1986, Parker, J., Recommendations for Exploration, Gold, Eagle-Wabigoon Lakes, in O.G.S. Misc. Paper 134, pp. 12-16.

1990, Redden, J. W., Report on Johnson-Contact Bay Option, Dryden Area, Kenora Mining Division, Ontario, and references therein.

CERTIFICATE

I, Christopher A. Wagg do hereby certify that:

I am a B.Sc. graduate in geology (1989) from the University of Western Ontario.

I personally carried out the surveys described in this report.

I am a self-employed geological consultant, sole proprietor of Lot 17 Exploration (registered in Ontario) residing at Sheldrake Lake, Box 256 Cloyne, Ontario, K0H 1K0.

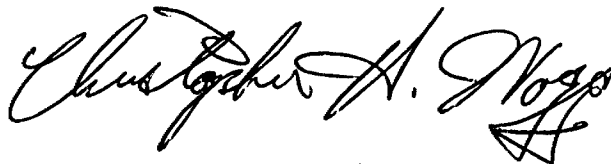
I am a member in good standing of the Prospector's and Developer's Association of Canada.

I have no interest, directly or indirectly, in the properties or securities of Grand Oakes Exploration Inc., nor do I expect to receive or acquire any such interest.

Permission is hereby granted for the use of this report in the material documents of the company.

Dated this 15th day of January, 1991 at Sheldrake Lake, Ontario.

C. A. Wagg, Geologist.

A handwritten signature in cursive script that reads "Christopher A. Wagg". The signature is written in dark ink and includes a stylized flourish at the end.

APPENDIX 1

ASSAY CERTIFICATES



ACCURASSAY LABORATORIES LTD.

P.O. BOX 426
KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1
TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

Certificate of Analysis

Page: 1

36218

Fred Munger
Grand Oakes Exploration
27 Queen Street East
Suite 402
TORONTO, ONTARIO
M5C 2M6

Date: November 8 19 90

Work Order # : T900958A
Project : Fort Frances

SAMPLE NUMBERS		Gold	Gold	Platinum	Palladium	
Accurassay	Customer	ppb	Oz/T	ppb	ppb	
536205	13056	396	0.012	<15	<10	
536205	13056	409	0.012	<15	<10	Check

①

Per: Blaire V. [Signature]



ACCURASSAY LABORATORIES LTD.

P.O. BOX 426
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Certificate of Analysis

Page: 1

Fred Munger
Grand Oakes Exploration
27 Queen Street East
Suite 402
TORONTO, ONTARIO
M5C 2M6

Date: November 9 19 90

36223

Work Order # : T900958
Project : Fort Frances

Accurassay	SAMPLE NUMBERS	Customer	Gold ppb	Gold Oz/T	
	536181	13051	31	<0.005	
	536182	13052	211	0.006	
	536183	13053	48000	1.397	
	536184	13054	157	0.005	
	536185	13055	162	0.005	
	536186	13057	32	<0.005	
	536187	13058	100	<0.005	
	536188	13059	189	0.006	
	536189	13060	351	0.010	
	536190	13061	1673	0.049	
	536190	13061	1455	0.042	Check
	536191	13062	582	0.017	
	536192	13063	74	<0.005	
	536193	13064	86	<0.005	
	536194	13065	12	<0.005	
	536195	13066	24	<0.005	
	536196	13067	42	<0.005	
	536197	13068	296	0.009	
	536198	13069	600	0.017	
	536199	13070	69	<0.005	
	536199	13070	48	<0.005	Check
	536200	13071	112	<0.005	
	536201	13072	151	<0.005	
	536202	13073	133	<0.005	
	536203	13074	23	<0.005	
	536204	13075	15	<0.005	
	536204	13075	13	<0.005	Check

24

Per: Barbara W...

CUSTOMER COPY



ACCURASSAY LABORATORIES LTD.

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KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1
TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

Certificate of Analysis

Mr. Wayne Holmstead
Geocom Consulting Ltd.
1074 Dillingham Street
KINGSTON, ONTARIO

Page #1

Date: November 12 19 90

36239 K7P 2P4

Work Order: T900958
Project: Grand Oakes

Results are as follows:

SAMPLE NUMBER		Original	Reassay
Accurassay	Customer	Gold ppb	Gold ppb
536183	13053	41663	41267

(1)

Per: Blaine V. [Signature]

CUSTOMER COPY



ACCURASSAY LABORATORIES LTD.

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KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1

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Fred Munger
Grand Oakes Exploration
27 Queen Street East
Suite 402
TORONTO, ONTARIO
M5C 2M6

Date: November 14 19 90

36262

Work Order # : T900957
Project : Fort Frances

Accurassay	SAMPLE NUMBERS	Customer	Gold ppb	Gold Oz/T	
536066	A1		223	0.006	
536067	A2		69	0.002	
536068	A3	Insufficient	sample		
536069	A4		267	0.008	
536070	A5		35	0.001	
536071	A6		42	0.001	
536072	A7		37	0.001	
536073	A8	Insufficient	sample		
536074	A9		25	0.001	
536075	A10	Insufficient	sample		
536075	A10	Insufficient	sample		Check
536076	A11		23	0.001	
536077	A12	Insufficient	sample		
536078	A13	Insufficient	sample		
536079	A14	Insufficient	sample		
536080	A15		59	0.002	
536081	A16		13	<0.001	
536082	A17		73	0.002	
536083	A18	Insufficient	sample		
536084	A19	Insufficient	sample		
536084	A19	Insufficient	sample		Check
536085	A20		24	0.001	
536086	A21		18	<0.001	
536087	A22		11	<0.001	
536088	A23		10	<0.001	
536089	A24		5	<0.001	
536090	A25	Insufficient	sample		
536091	A26	Insufficient	sample		
536092	A27	Insufficient	sample		
536093	A28	Insufficient	sample		
536093	A28	Insufficient	sample		Check

Per: 

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27 Queen Street East
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M5C 2M6

Date: November 14 19 90

Work Order # : T900957
Project : Fort Frances

Accurassay	SAMPLE NUMBERS Customer	Gold ppb	Gold Oz/T	
	536094	A29	<5	<0.001
	536095	A30	Insufficient	sample
	536096	A31	12	<0.001
	536097	A32	17	0.001
	536098	A33	15	<0.001
	536099	A34	12	<0.001
	536100	A35	6	<0.001
	536101	A36	12	<0.001
	536102	A37	17	<0.001
	536102	A37	Insufficient	sample Check
	536103	A38	15	<0.001
	536104	A39	<5	<0.001
	536105	A40	<5	<0.001
	536106	A41	9	<0.001
	536107	A42	6	<0.001
	536108	A43	<5	<0.001
	536109	A44	9	<0.001
	536110	A45	Insufficient	sample
	536111	A46	25	0.001
	536111	A46	Insufficient	sample Check
	536112	A47	12	<0.001
	536113	A48	Insufficient	sample
	536114	A49	Insufficient	sample
	536115	A50	Insufficient	sample
	536116	A51	Insufficient	sample
	536117	A52	Insufficient	sample
	536118	A53	Insufficient	sample
	536119	A54	Insufficient	sample
	536120	A55	Insufficient	sample
	536120	A55	Insufficient	sample Check
	536121	A56	Insufficient	sample

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Per: Blaine Duncanson

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36264 Fred Munger
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Date: November 14 19 90

Work Order # : T900957
Project : Fort Frances

Accurassay	SAMPLE NUMBERS Customer	Gold ppb	Gold Oz/T
536122	A57	<5	<0.001
536123	A58	<5	<0.001
536124	A59	<5	<0.001
536125	A60	8	<0.001
536126	A61	<5	<0.001
536127	A62	<5	<0.001
536128	A63	7	<0.001
536129	A64	46	0.001
536129	A64 Insufficient sample		Check

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36275
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M5C 2M6

Date: November 15 19 90

Work Order # : T900957A
Project : Fort Frances

Accurassay	SAMPLE NUMBERS	Customer	Gold ppb	Gold Oz/T	
	536130	B1	11	<0.001	
	536131	B2	10	<0.001	
	536132	B3	22	0.001	
	536133	B4	6	<0.001	
	536134	B5	11	<0.001	
	536135	B6	7	<0.001	
	536136	B7	12	<0.001	
	536137	B8	5	<0.001	
	536138	B9	<5	<0.001	
	536139	B10	10	<0.001	
	536139	B10	Insufficient	sample	Check
	536140	B11	<5	<0.001	
	536141	B12	13	<0.001	
	536142	B13	<5	<0.001	
	536143	B14	<5	<0.001	
	536144	B15	<5	<0.001	
	536145	B16	<5	<0.001	
	536146	B17	Insufficient	sample	
	536147	B18	10	<0.001	
	536148	B19	12	<0.001	
	536148	B19	Insufficient	sample	Check
	536149	B20	Insufficient	sample	
	536150	B21	<5	<0.001	
	536151	B22	12	<0.001	
	536152	B23	Insufficient	sample	
	536153	B24	<5	<0.001	
	536154	B25	<5	<0.001	
	536155	B26	<5	<0.001	
	536156	B27	7	<0.001	
	536157	B28	8	<0.001	
	536157	B28	Insufficient	sample	Check

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M5C 2M6

Date: November 15 19 90

Work Order # : T900957A
Project : Fort Frances

Accurassay	SAMPLE NUMBERS Customer	Gold ppb	Gold Oz/T	
536158	B29	6	<0.001	
536159	B30	12	<0.001	
536160	B31	12	<0.001	
536161	B32	Insufficient sample		
536162	B33	<5	<0.001	
536163	B34	25	0.001	
536164	B35	5	<0.001	
536165	B36	5	<0.001	
536166	B37	<5	<0.001	
536166	B37	Insufficient sample		Check
536167	B38	6	<0.001	
536168	B39	<5	<0.001	
536169	B40	6	<0.001	
536170	3E 0+50 N	10	<0.001	
536171	3E62 N	25	0.001	
536172	3E75 N	<5	<0.001	
536173	3E80 N	343	0.010	
536174	3E85 N	<5	<0.001	
536175	3E100 N	<5	<0.001	
536175	3E100 N	<5	<0.001	Check
536176	3E125 N	<5	<0.001	
536177	3E150 N	<5	<0.001	
536178	3E165 N	<5	<0.001	
536179	3E175 N	<5	<0.001	
536180	3E195 N	<5	<0.001	
536180	3E195 N	Insufficient sample		Check

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36282

Fred Munger
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27 Queen Street East
Suite 402
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Date: November 15 19 90

Work Order # : T900958A
Project : Fort Frances

SAMPLE NUMBERS	Customer	Copper %
536205	13056	0.709

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Per: *Blaine Duff*

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Page #1

Date November 21 1990

36329

Work Order: T900957
Project:

SAMPLE NUMBER			Cu	As
Accurassay	Customer		AA	Hydride
			ppm	ppm
536066	A 1		10	2.1
536067	A 2		15	1.2
536068	A 3		15	1.3
536069	A 4		8	1.0
536070	A 5		17	2.6
536071	A 6		8	1.0
536072	A 7		17	1.5
536073	A 8		13	1.7
536074	A 9		11	1.3
536075	A 10		16	1.4
536076	A 11		10	0.8
536077	A 12		30	2.4
536078	A 13		20	2.0
536079	A 14		29	1.6
536080	A 15		17	1.8
536081	A 16		28	1.8
536082	A 17		11	1.1
536083	A 18		17	1.5
536084	A 19		14	1.0
536085	A 20		25	1.4
536086	A 21		19	1.6
536087	A 22		6	0.9
536088	A 23		9	1.2
536089	A 24		7	1.0
536090	A 25		10	1.1
536091	A 26		20	1.9
536092	A 27		16	1.8
536093	A 28		11	1.4
536094	A 29		17	1.4
536095	A 30		27	1.3

(30)

Per: B. Blinn



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Date November 21 1989

36331

TORONTO, ON
M5C 2M6

Work Order: T900957
Project:

SAMPLE NUMBER		Cu	As
Accurassay	Customer	AA ppm	Hydride ppm
536096	A 31	18	1.2
536097	A 32	22	1.1
536098	A 33	7	0.7
536099	A 34	10	1.0
536100	A 35	9	1.0
536101	A 36	8	0.9
536102	A 37	10	0.8
536103	A 38	14	1.0
536104	A 39	19	1.2
536105	A 40	16	0.9
536106	A 41	11	1.0
536107	A 42	9	1.0
536108	A 43	13	1.1
536109	A 44	73	4.2
536110	A 45	30	1.8
536111	A 46	11	1.0
536112	A 47	59	3.4
536113	A 48	19	1.7
536114	A 49	14	1.3
536115	A 50	27	2.1
536116	A 51	31	2.2
536117	A 52	21	1.9
536118	A 53	21	2.1
536119	A 54	20	1.6
536120	A 55	24	1.8
536121	A 56	16	2.0
536122	A 57	24	1.1
536123	A 58	28	1.6
536124	A 59	18	1.5
536125	A 60	11	1.4
536126	A 61	20	1.7
536127	A 62	11	0.9
536128	A 63	25	1.5
536129	A 64	46	2.0

Per: Blaine V. H.

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Date: November 21 1990

36332 TORONTO, ON
M5C 2M6

Work Order: T900957A
Project:

SAMPLE NUMBER		Cu	As
Accurassay	Customer	AA	Hydride
		ppm	ppm
536130	B 1	25	22.0
536131	B 2	17	3.1
536132	B 3	14	3.6
536133	B 4	11	4.8
536134	B 5	9	2.9
536135	B 6	21	2.2
536136	B 7	12	2.0
536137	B 8	14	1.9
536138	B 9	17	1.8
536139	B 10	11	1.7
536140	B 11	11	1.7
536141	B 12	22	1.8
536142	B 13	16	1.5
536143	B 14	13	1.3
536144	B 15	14	1.3
536145	B 16	9	1.2
536146	B 17	15	1.3
536147	B 18	10	1.2
536148	B 19	11	1.2
536149	B 20	28	2.2
536150	B 21	15	1.9
536151	B 22	18	3.0
536152	B 23	15	2.0
536153	B 24	27	1.9
536154	B 25	10	2.0
536155	B 26	8	1.8
536156	B 27	9	1.1
536157	B 28	16	1.7
536158	B 29	16	2.6
536159	B 30	12	1.4

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36333 TORONTO, ON
M5C 2M6

Work Order: T900957A
Project:

SAMPLE NUMBER		Cu	As
Accurassay	Customer	AA ppm	Hydride ppm
536160	B 31	16	2.9
536161	B 32	17	1.5
536162	B 33	19	4.1
536163	B 34	7	1.7
536164	B 35	24	6.7
536165	B 36	13	3.3
536166	B 37	12	3.0
536167	B 38	9	2.0
536168	B 39	8	2.3
536169	B 40	9	2.0
536170	3E 0+50 N	6	1.6
536171	3E 62 N	15	8.0
536172	3E 75 N	21	6.4
536173	3E 80 N	21	6.4
536174	3E 85 N	8	2.5
536175	3E100 N	13	3.7
536176	3E125 N	13	2.0
536177	3E150 N	8	1.4
536178	3E165 N	7	1.6
536179	3E175 N	9	1.2
536180	3E195 N	10	2.0

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Per: Blaine Duncanson



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36344 Fred Munger
Grand Oakes Exploration
27 Queen Street East
Suite 402
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M5C 2M6

Date: November 21 19 90

Work Order # : T900978
Project :

SAMPLE NUMBERS Accurassay	Customer	Gold ppb	Gold Oz/T	
536673	13076	11	<0.001	
536674	13077	21	0.001	
536675	13078	13	<0.001	
536676	13079	66	0.002	
536677	13080	35	0.001	
536678	13081	13	<0.001	
536679	13082	9	<0.001	
536680	13083	78	0.002	
536681	13084	104	0.003	
536682	13085	45	<0.001	
536682	13085	45	<0.001	Check
536683	13086	165	0.005	
536684	13087	25	0.001	
536685	13088	31	0.001	
536686	13089	56	0.002	
536687	13090	113	0.003	
536688	13091	80	0.002	
536689	13092	45	0.001	
536690	13093	19	0.001	
536691	13094	57	0.002	
536691	13094	59	0.002	Check
536692	13095	65	0.002	
536693	13096	94	0.003	
536694	13097	43	0.001	
536695	13098	84	0.002	
536696	13099	48	0.001	
536697	13100	53	0.002	
536698	13106	117	0.003	
536699	13107	33584	0.977	
536700	13108	4535	0.132	
536700	13108	3723	0.108	Check

Per: Blaine D...

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Grand Oakes Exploration
27 Queen Street East
Suite 402
TORONTO, ONTARIO
M5C 2M6

36345

Date: November 21 19 90

Work Order # : T900978
Project :

SAMPLE NUMBERS		Gold	Gold
Accurassay	Customer	ppb	Oz/T
536701	13109	988	0.029
536702	13110	4178	0.122
536703	13111	482	0.014
536704	13112	78	0.002
536705	13113	19	0.001
536706	13114	22	0.001
536707	13115	168	0.005
536708	13116	2099	0.061
536709	13117	547	0.016
536709	13117	772	0.022 Check
536710	13118	109	0.003
536711	13120	72	0.002
536712	13121	50	0.001
536713	13122	77	0.002
536714	13123	87	0.003
536715	13124	147	0.004
536716	13125	50	0.001
536717	13126	60	0.002
536717	13126	55	0.002 Check

(17)

Per: Blaine Walsh



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TORONTO, ON
M5C 2M6

Page #1

Date November 21 1989

36346

Work Order: T900978
Project:

Reassay results are as follows:

SAMPLE NUMBER		Original Gold ppb	Reassay Gold ppb
Accurassay	Customer		
536699	13107	33584	30812
536700	13108	4535	3960
536702	13110	4178	3624
536708	13116	2099	2634

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Per: Blaine V. Smith

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36350 Fred Munger
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27 Queen Street East
Suite 402
TORONTO, ONTARIO
M5C 2M6

Date: November 22 19 90

Work Order # : T900978A
Project :

SAMPLE NUMBERS		Gold	Gold	Platinum	Palladium	
Accurassay	Customer	ppb	Oz/T	ppb	ppb	
536718	13119	34	0.001	<15	<10	
536718	13119	35	0.001	<15	<10	Check

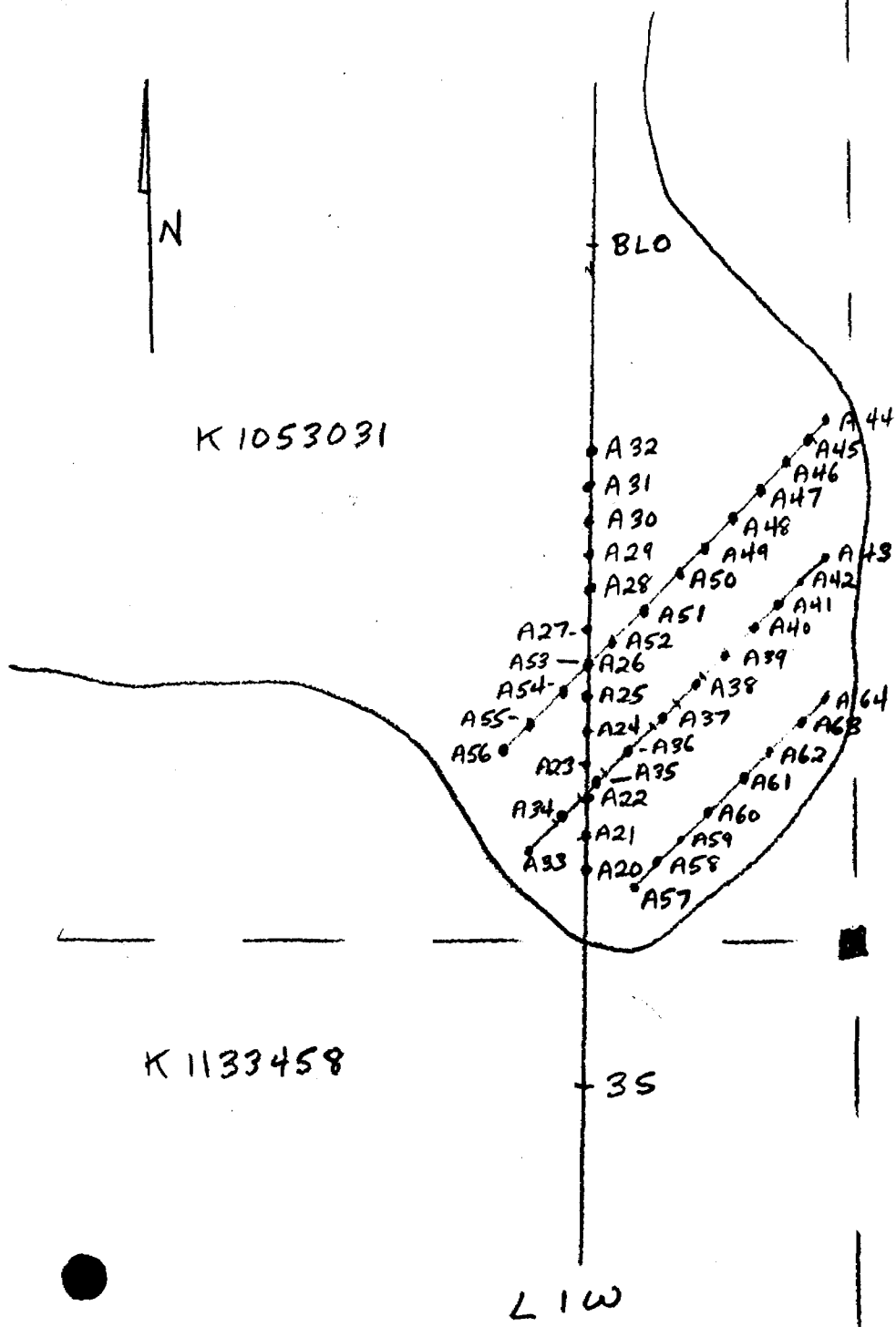
(1)

Per: Blaine V. [Signature]

CONTACT BAY PROPERTY
GEOCHEMICAL SAMPLE LOCATIONS

SCALE 1: 2500

2.13921



K 1053031

K 1133452

K 1133458

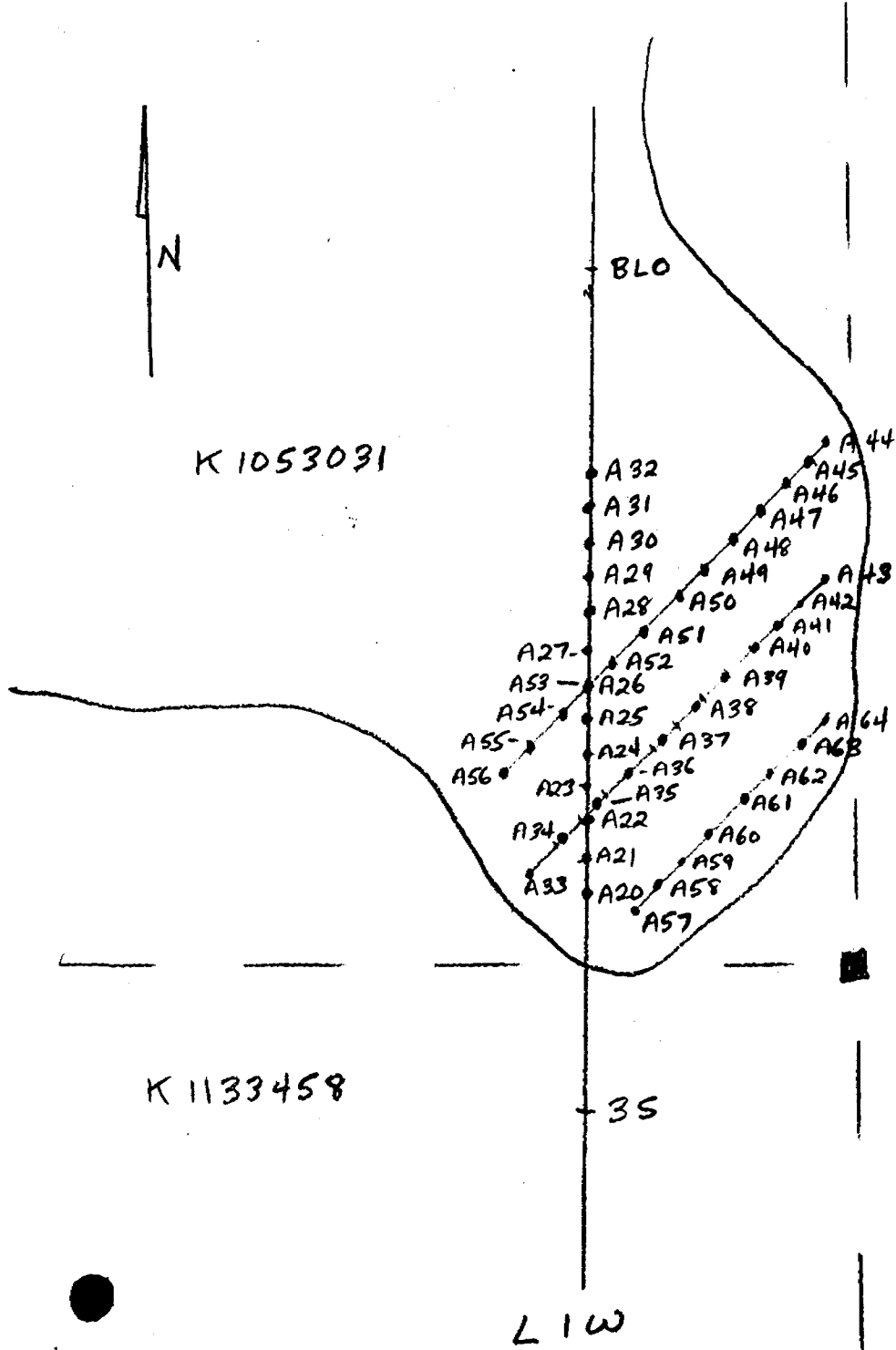
K 1133459

L1W

CONTACT BAY PROPERTY
GEOCHEMICAL SAMPLE LOCATIONS

SCALE 1: 2500

2.13921



K 1053091

K 1133452

K 1133458

K 1133459

BLO

35

L1W

N

- A32
- A31
- A30
- A29
- A28
- A27
- A53
- A54
- A55
- A56
- A23
- A34
- A33
- A20
- A57
- A51
- A52
- A26
- A25
- A24
- A37
- A36
- A35
- A22
- A21
- A59
- A58
- A45
- A46
- A47
- A48
- A49
- A50
- A41
- A40
- A39
- A38
- A62
- A61
- A60
- A59
- A58
- A43
- A42
- A41
- A40
- A39
- A38
- A64
- A63
- A62
- A61
- A60
- A59
- A58
- A44



Ontario



S2F10NW0055 2.13921 CONTACT BAY (WABIG00

900

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Mining Lands Section
159 Cedar Street, 4th Floor
Sudbury, Ontario
P3E 6A5

Telephone: (705) 670-7264
Fax: (705) 670-7262

Your File: W. 9001.364, 365
Our File: 2.13921

May 27, 1991

Mining Recorder
Ministry of Northern Development
and Mines
808 Robertson Street
Kenora, Ontario
P9N 3X9

Dear Sir/Madam:

RE: Notice of Intent dated April 23, 1991 for Expenditures,
and Geophysical (Electromagnetic and Magnetometer)
Surveys on mining claims K.1052851 et al. in Contact
Bay Area.

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,

Ron. C. Gashinski,
Provincial Manager, Mining Lands
Mines & Minerals Division

LJS/jl
Enclosures:

cc: Sheridan Johnson
Toronto, Ontario

Chris Wagg
Cloyne, Ontario

✓ Assessment Files Office
Toronto, Ontario

Resident Geologist
Kenora, Ontario



Recorded Holder
Sheridan Johnson

Township or Area
Contact Bay.

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic <u>33.3</u> days Magnetometer <u>17.1</u> days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ days Geochemical _____ days Men days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	K.1052851 to 853 incl. 1053030 1133447 to 463 incl.

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.



Recorded Holder
Sheridan Johnson

Township or Area
Contact Bay

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days	\$1035.00 spent on assaying samples taken from mining claims: K.1052851 1052853 1053030 1053032-33 1133458
Section 77 (19) See "Mining Claims Assessed" column	
Geological _____ days	
Geochemical _____ days	69 days credit allowed which may be grouped in accordance with Section 76(6) of the Mining Act R.S.O. 1980.
Men days <input type="checkbox"/> Airborne <input type="checkbox"/>	
Special provision <input type="checkbox"/> Ground <input type="checkbox"/>	
<input type="checkbox"/> Credits have been reduced because of partial coverage of claims.	
<input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 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

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Mining Lands

DOCUMENT No.
W 9001-364

Instructions

- Please type or print.
- Refer to Section 77, the Mining Act for assessment work requirements and maximum credits allowed per survey type
- If number of mining claims traversed exceeds space on this form, attach a list.
- Technical Reports and maps in duplicate should be submitted to Mining Lands Section, Mineral Development and Lands Branch:

JAN 10
Feb 10

Mining Act (Geophysical, Geological and Geochemical Surveys)

Type of Survey(s) GEOPHYSICAL	Mining Division KENORA	Township or Area CONTACT BAY G.2579
Recorded Holder(s) SHERIDAN JOHNSON	2.13921	Prospector's Licence No. 53513
Address 90 402-27 QUEEN ST EAST, TORONTO, ONTARIO M2M6		Telephone No. 416 363-0411
Survey Company HOLMSTEAD AND ASSOCIATES INC.		
Name and Address of Author (of Geo-Technical Report) CHRIS WAGG, BOX 256, CLOYNE, ONTARIO, K0H 1K0		Date of Survey (from & to) 30 03 90 4 04 90 Day Mo Yr Day Mo Yr

Credits Requested per Each Claim in Columns at right

Special Provisions For first survey: Enter 40 days. (This includes line cutting) For each additional survey: using the same grid. Enter 20 days (for each)	Geophysical	Days per Claim
	- Electromagnetic	40
	- Magnetometer	20
	- Other	
Man Days Complete reversal and enter total(s) here RECEIVED JAN 01 1991 MINING LANDS SECTION	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Geological	Days per Claim
	Geochemical	
	Electromagnetic	
	Magnetometer	
	Other	
Total miles flown over claim(s).		
Date DEC 10 / 90	Recorded Holder or Agent (Signature) <i>[Signature]</i>	

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Mining Claim		Mining Claim	
Prefix	Number	Prefix	Number	Prefix	Number
K	1133457	K	1133457		
K	1133458		1133458		
K	1133459		1133459		
K	1052851		1133460		
K	1052852		1133461		
	1052853		1133462		
	1053030	↓	1133463		
	1133447				
	1133448				
	1133449				
	1133450				
	1133451				
	1133452				
	1133453				
	1133454				
	1133455				
↓	1133456				

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JAN 02 1991
MINING LANDS SECTION

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

Certification Verifying Report of Work

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

Name and Address of Person Certifying
WAYNE EDWARD HOLMSTEAD 1074 DILLINGHAM ST, KINGSTON, ONT.

K7P 2P4 Telephone No. **613 384 8944** Date **DEC 10 / 90** Certified By (Signature) *[Signature]*

For Office Use Only

Total Days Cr. Recorded 1260	Date Recorded Dec 12 / 90	Mining Recorder <i>[Signature]</i>
	Date Approved as Recorded	Provincial Manager, Mining Lands 8.22

"SEE REVISED WORK STATEMENT"



Ministry of
Northern Development
and Mines

Ontario

*Mining
Lands*

DOC
9001-365

Instructions

- Please type or print.
- Refer to Subsection 77(19), the Mining Act for assessment work requirements and maximum credits allowed under this Subsection.
- Technical Reports, maps and proof of expenditures in duplicate should be submitted to Mining Lands Section, Mineral Development and Lands Branch.

*Jantz
Feb 10*

Report of Work
(Expenditures, Subsection 77(19))

Type of Work Performed GEOLOGICAL, ASSAYS	Mining Division KENORA	Township or Area CONTACT BAY G.2579
Recorded Holder SHERIDAN JOHNSON	2.13921	Prospector's Licence No. 53513
Address 1/2 HC2-27 QUEEN ST EAST, TORONTO, ONT M5C2M6		Telephone No. 416 363 0411
Work Performed By HOLMSTEAD AND ASSOCIATES INC.		
Name and Address of Author (of Submission) CARIS WAGG, BOX 256, CLOYNE, ONTARIO K0H1K0		Date When Work was Performed From: 23 10 90 To: 17 11 90 Day Mo Yr Day Mo Yr

All the work was performed on Mining Claim(s): Indicate no. of days performed on each claim. *See Note No. 1 on reverse side				Mining Claim 1053030	No of Days 90	Mining Claim 1053031	No of Days 90	Mining Claim 1053032	No of Days 90	Mining Claim 1053033	No of Days 90
Mining Claim 1052851	No of Days 90	Mining Claim 1052852	No of Days 90	Mining Claim 1052853	No of Days 90	Mining Claim 1052854	No of Days 93.6				
Mining Claim	No of Days	Mining Claim	No of Days	Mining Claim	No of Days	Mining Claim	No of Days	Mining Claim	No of Days	Mining Claim	No of Days

Instructions Total days credits may be distributed at claim holder's choice. Enter number of days credits per claim in the expenditure days credit column (below).	Calculation of Expenditure Days Credits		Total Number of Mining Claims Covered by this Report of Work
	Total Expenditures \$10,855.00	÷ 15 =	723.6
			15

Mining Claims (List in numerical sequence). If space is insufficient, attach schedules with required information

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
K	1052851	60	K	1133444	20						
	1052852	60		1133445	20						
	1052853	60		1133446	20						
	1052854	60		1133464	20						
	1053030	60		1133465	20						
	1053031	60		1133466	20						
	1053032	60		1133467	20						
	1053033	60									

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JAN 02 1991

MINING LANDS SECTION

Total Number of Days Performed 723.6	Total Number of Days Claimed 620	Total Number of Days to be Claimed at a Future Date 103.6
--	--	---

Certification of Beneficial Interest *See Note No. 2 on reverse side

I hereby certify that, at the time the work was performed, the claims covered in this report of work were recorded in the current recorded holder's name or held under a beneficial interest by the current recorded holder.

Date: **DEC 10 / 90** Recorded Holder or Agent (Signature): *[Signature]*

Certification Verifying Report of Work

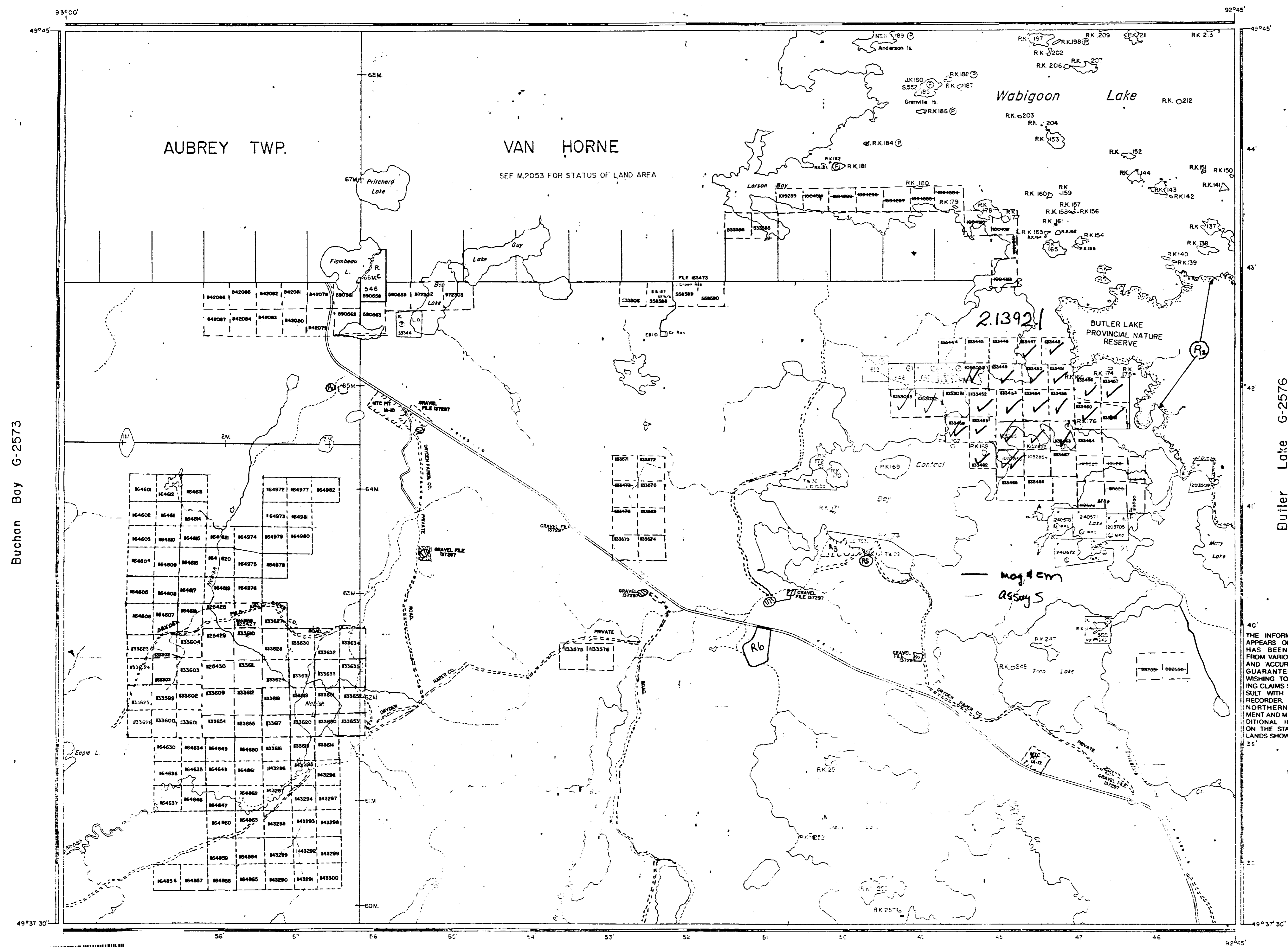
I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Address of Person Certifying
WAYNE EDWARD HOLMSTEAD, 1074 DILLINGHAM ST, KINGSTON, ONT

Telephone No. **613 384 8944** Date **DEC 10 / 90** Certified By (Signature) *[Signature]*

For Office Use Only

Total Days Cr. Recorded 620	Date Recorded Dec 12 / 90	Mining Recorder <i>[Signature]</i>	Received Stamp 8:22
Date Approved as Recorded	Provincial Manager, Mining Lands	'SEE REVISED WORK STATEMENT'	



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 1912 VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 300, SEC. 53, SUBSEC. 1

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. - MINING RIGHTS ONLY
 S.R.O. - SURFACE RIGHTS ONLY
 M.F.S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	F.R.
PROPOSED SURFACE RIGHTS RESERVATION JANUARY 1982	78/77	28/9/77	S.R.O.	15004
CANCELLED	78/83	8/23/83	M.R.O.	18653
PROPOSED SHORT TERM (10 YEARS) R.C. RESERVATION	78/89	14/4/89	28MR	

ALL ISLANDS IN WABIGOON LAKE WITHDRAWN FROM STAKING UNDER SEC.39 SUBC. OF MINING ACT.

ROADS INDICATED DRYDEN PAPER CO. PRIVATE ROAD MAY BE USED BY PROSPECTORS ONLY AFTER PERMISSION IS OBTAINED FROM DRYDEN PAPER CO. DRYDEN, ONTARIO.

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NO GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

RECEIVED
 FEB 06 1991
 7891011 12123456

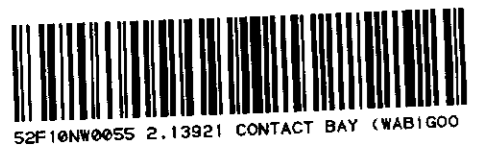
SCALE: 1 INCH = 40 CHAINS

FEET: 0 1000 2000 4000 6000 8000
 METRES: 0 200 1000 2000 4000 (1 KM) 7000 (12 KM)

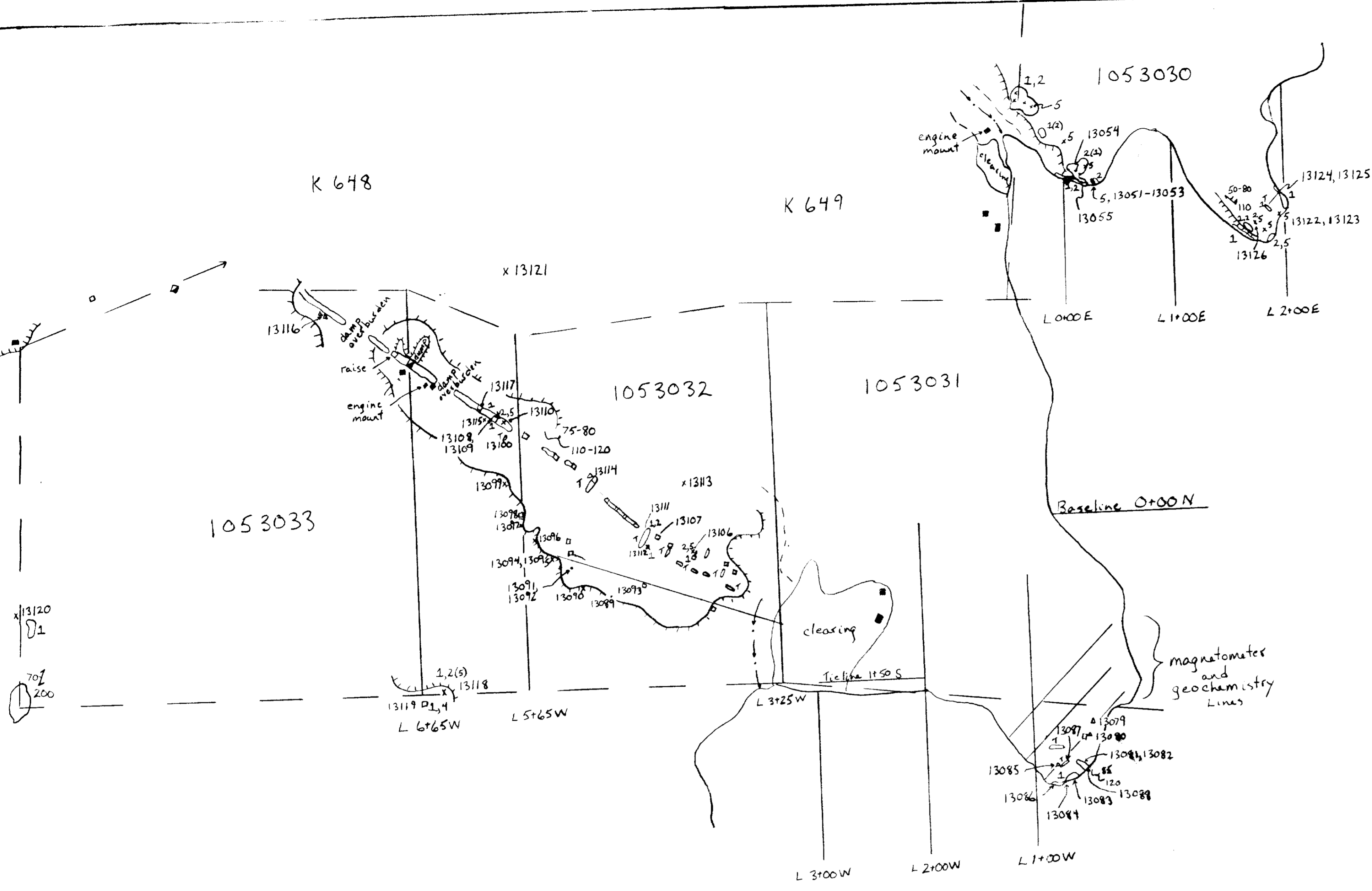
AREA: **CONTACT BAY WABIGOON LAKE**

M.I. ADMINISTRATIVE DISTRICT
 DRYDEN
 MINING DIVISION
 KENORA
 LAND TITLES / REGISTRY DIVISION
 KENORA

Ministry of Natural Resources
 Land Management Branch
 Ontario

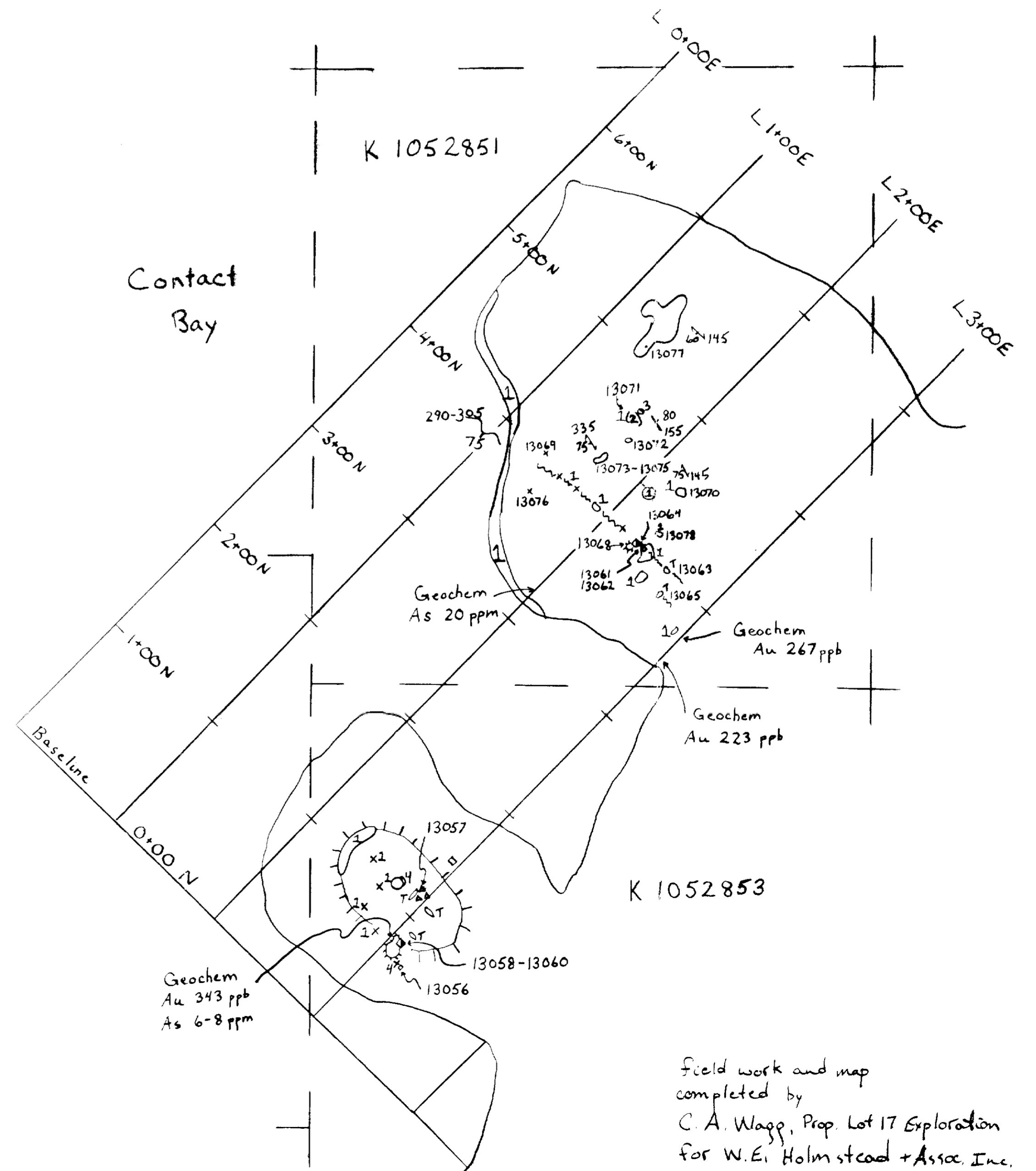
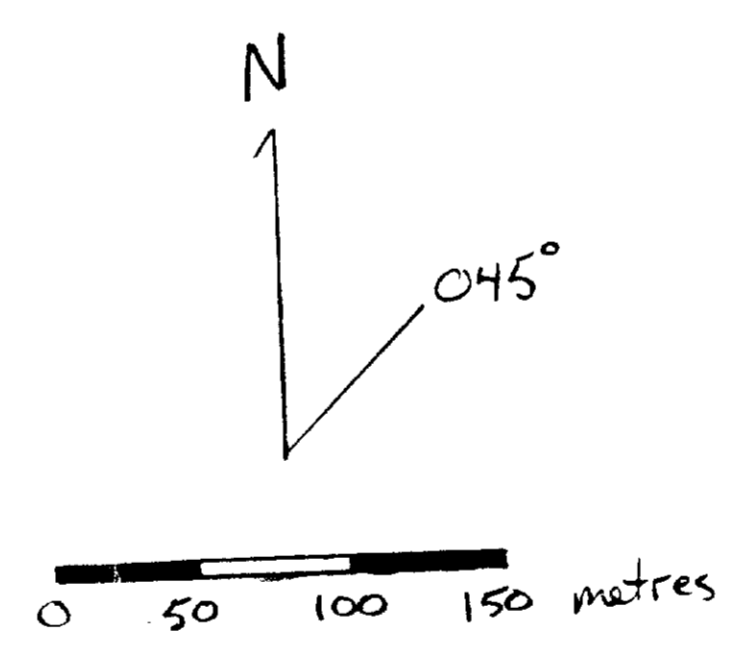
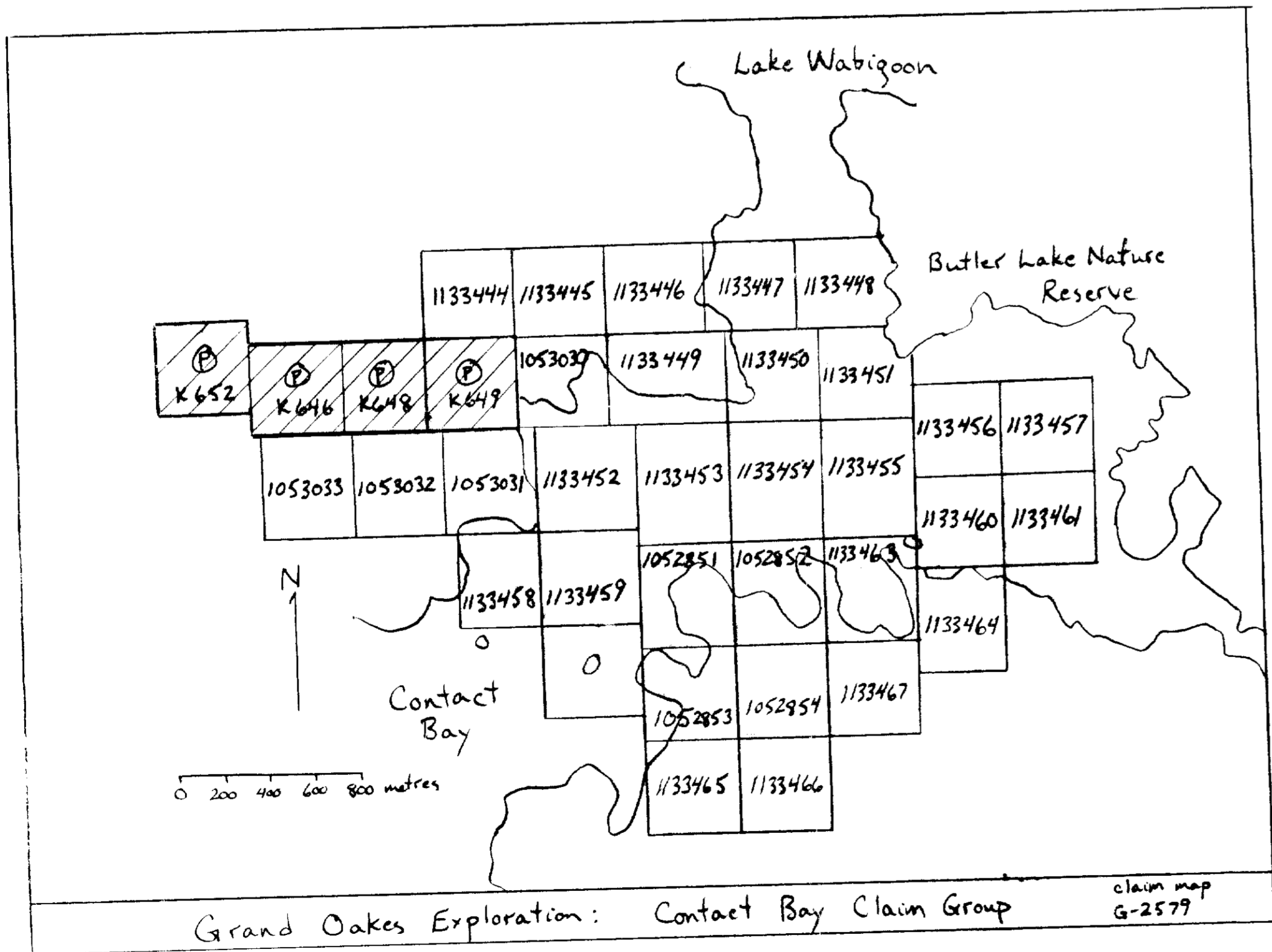


A Portion of the Contact Bay Property of Grand Oakes Exploration

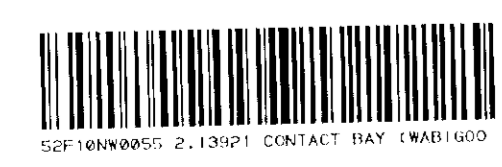


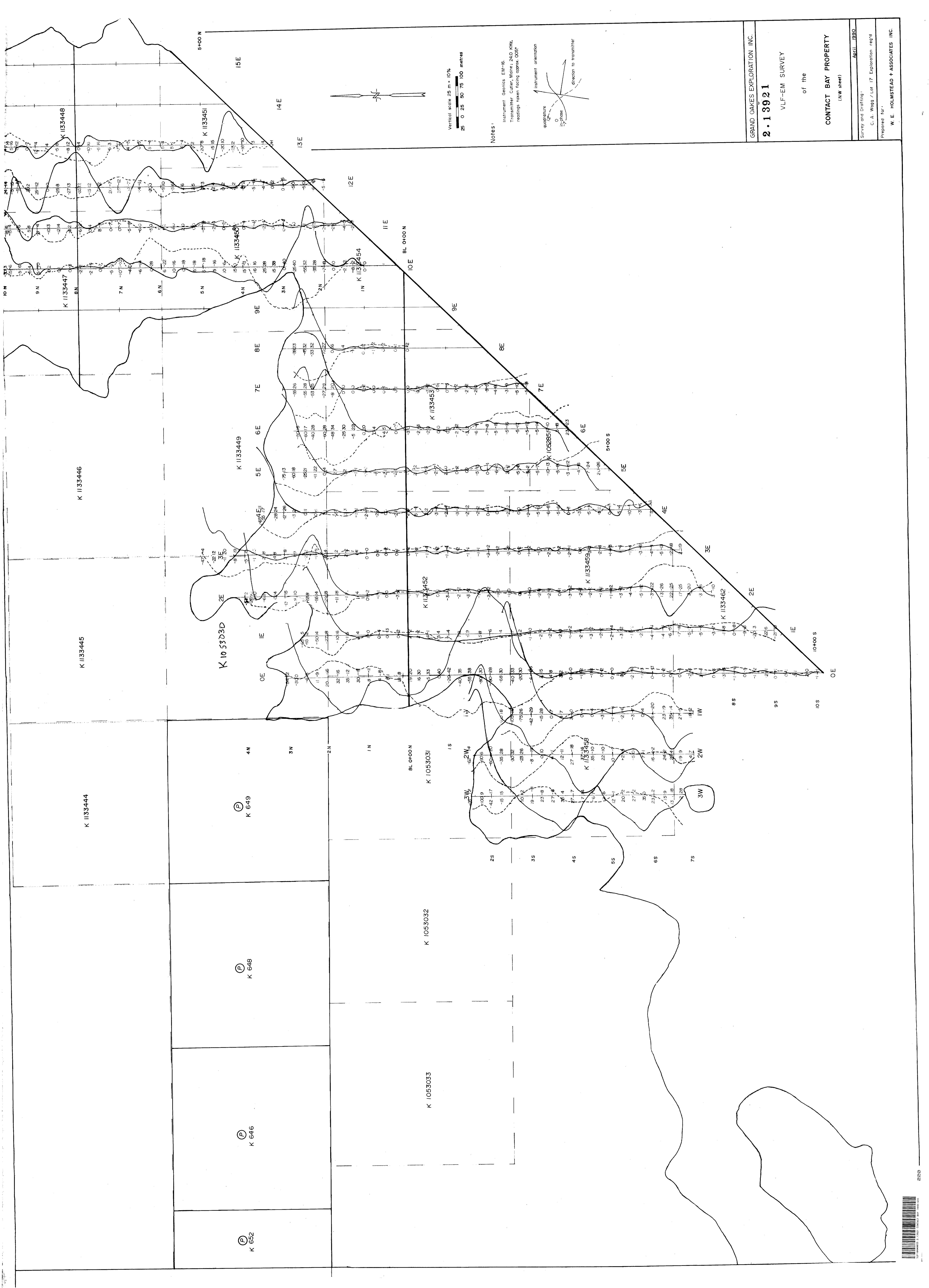
- Legend
- 1 intermediate to felsic volcanics, often porphyritic
 - 2 highly silicious, cherty to tuffaceous sediments
 - 3 mafic to intermediate volcanics
 - 4 gabbroic dykes, frequently altered.
 - 5 magnetite rich sediments

- Symbols
- shaft
 - pit
 - ⊕ trench
 - ⊗ rock dump
 - , x outcrops
 - △ vein quartz float or rubble
 - 13100 sample number
 - shear zone
 - ∠ bedding
 - ∠ foliation
 - ∠ shearing
 - ∠ ridge or cliff
 - abandoned building



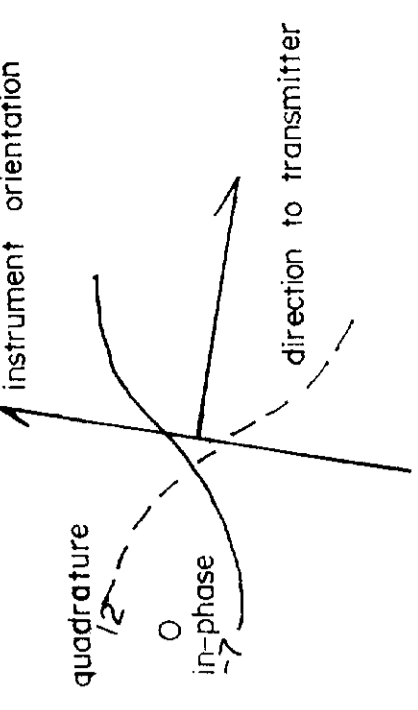
Field work and map completed by
C. A. Wagg, Prop. Lot 17 Exploration
for W. E. Holmstead + Assoc. Inc.





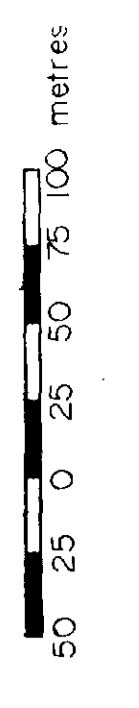
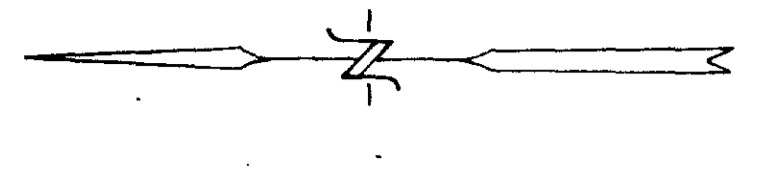
Vertical scale 25 m = 10%
 25 0 25 50 75 100 metres

Notes:
 Instrument: Geonics EM-16
 Transmitter: Cuffer, Waite; 24.0 KHz.
 Readings taken facing approx. 005°



GRAND OAKS EXPLORATION INC.
2.13921
 VLF-EM SURVEY
 of the
CONTACT BAY PROPERTY
 (NW sheet)
 Survey and Drafting
 C.A. Webb / L.A. 17 Exploration reg'd
 Prepared for:
W.E. HOLMSTEAD + ASSOCIATES INC.

Notes:
 Datum = 56,000 gammis.
 Base on 59,410 is Post 2-K 1133449,
 on NW sheet.
 Instrument GSM-19, s.m. 5130.



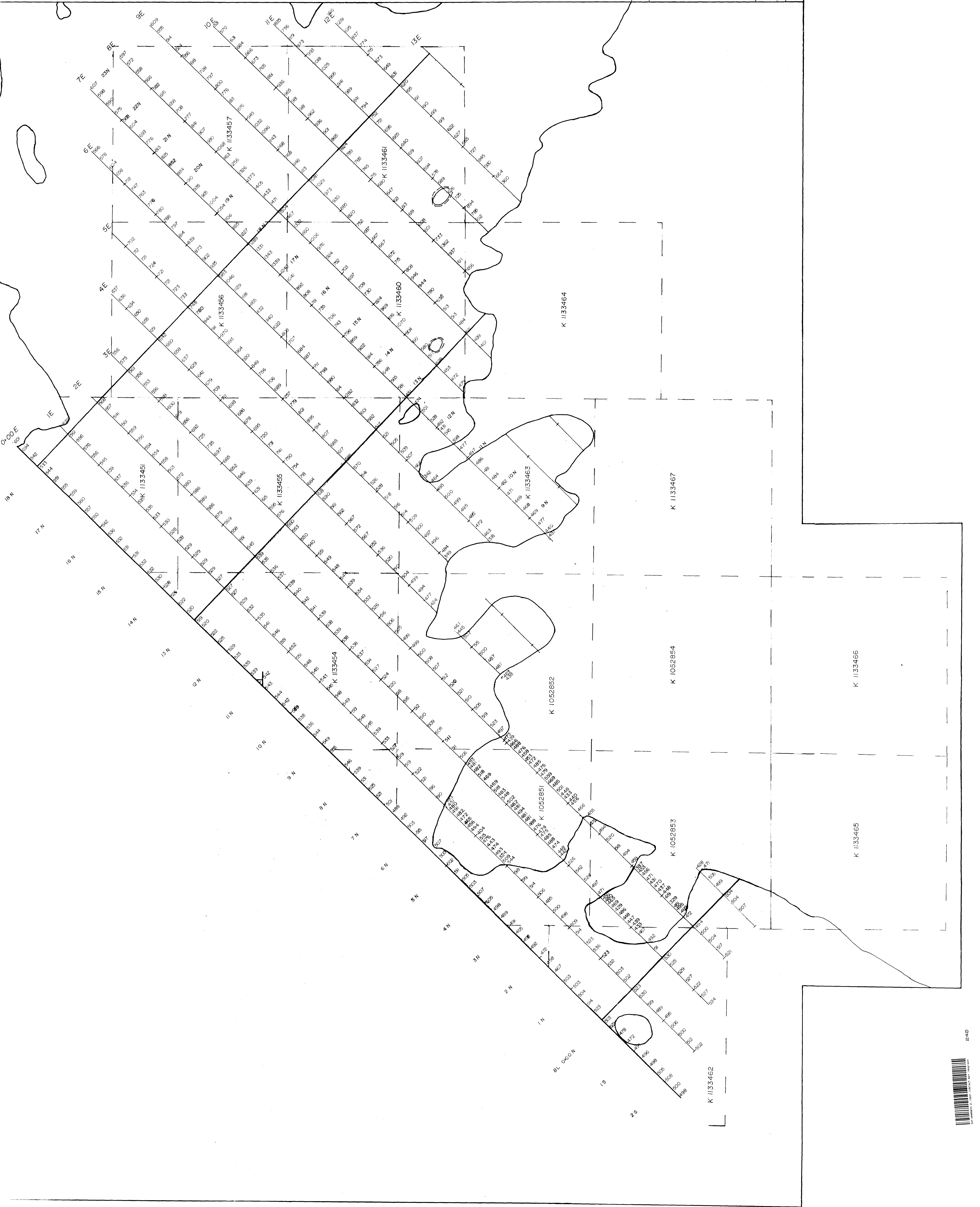
2-10921

GRAND OAKS EXPLORATION INC.

TOTAL FIELD
 MAGNETOMETER SURVEY
 of the

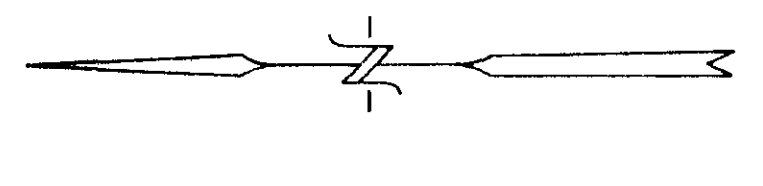
CONTACT BAY PROPERTY
 (SE sheet)

performed by: C. A. Waga/Lot 17 Exploration Inc.
 for: W. E. Holmstead and Associates Inc.



240

NOTES:
 Datum = 59,000 gamma
 Eads of lines from 3W to 9E
 are all at or above shoreline
 Instrument GSI-M-8, 1/4 515C.



201900

GRAND OAKES EXPLORATION INC.
 TOTAL FIELD
 MAGNETOMETER SURVEY
 of the
 CONTACT BAY PROPERTY
 (NW sheet)
 Survey and Drafting April 1990
 Prepared for
 C.A. Wagg / Lot 17 Exploration req'd
 W. E. HOLMSTEAD AND ASSOC. INC.

