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**GEOCHEMICAL SAMPLING OF RIVER GRAVELS FOR HEAVY MINERALS
(Potential Diamond Indicator Minerals)**

THE CORAL RAPIDS PROJECT

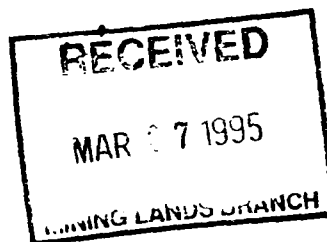
JAMES BAY LOWLANDS, NORTHEAST ONTARIO

NTS 46I/3,4,5&6

2.15890

prepared on behalf of:

**Arbor Resources Inc.
Emperor Gold Corporation
G - 10 Syndicate
Pacific Mariner Explorations Ltd.
Valerie Gold Resources Ltd.
Wealth Resources Ltd.**



**Alcanex Ltd.
Mississauga Ontario**

July, 1994

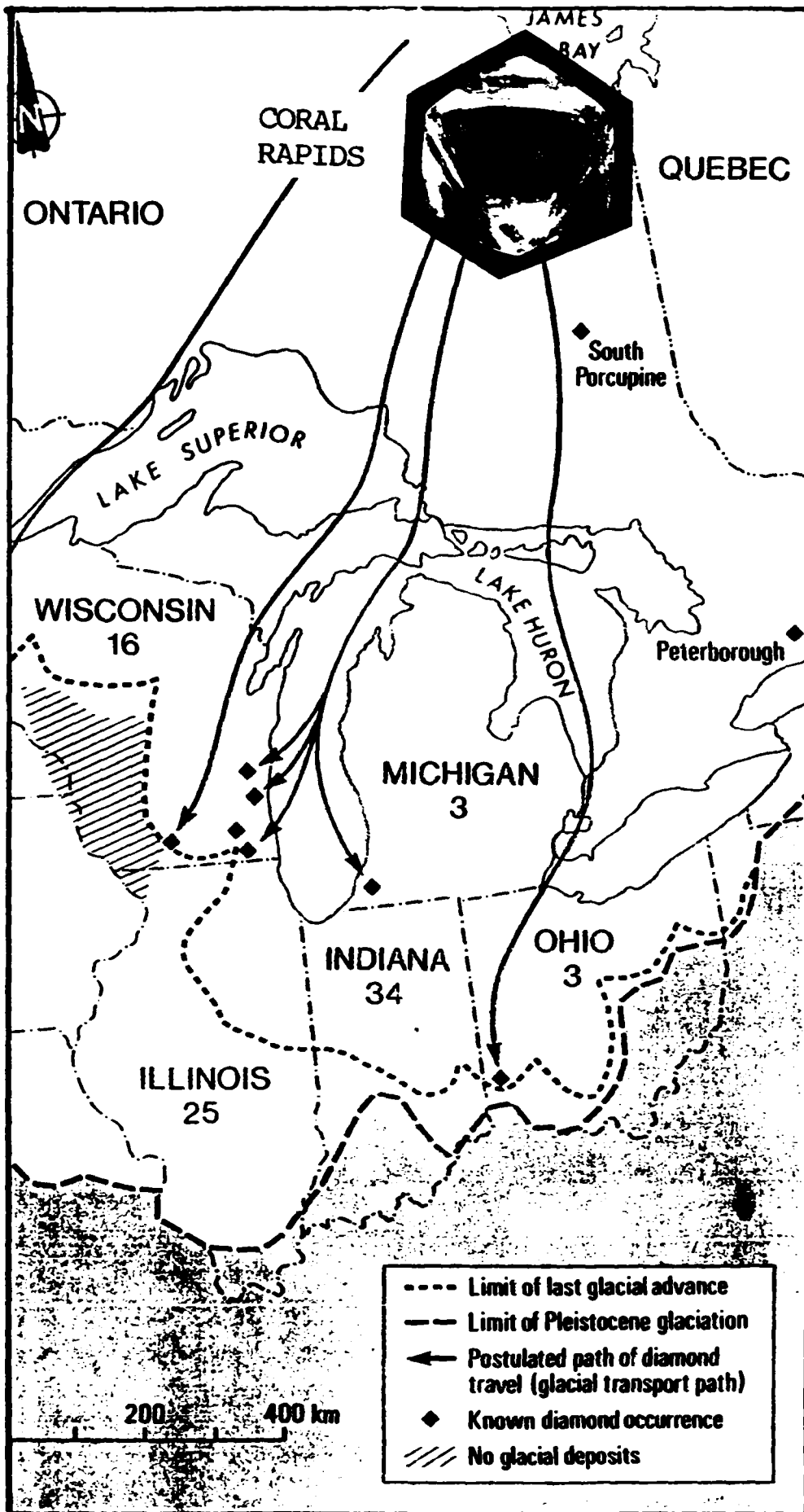




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1.0 SUMMARY

Coral Rapids is located in the southern portion of the James Bay Lowlands approximately 200 kilometres north of the Timmins mining camp. Within the area flat lying Palaeozoic sedimentary rocks overlie Archean age plutonic and metamorphic rocks of the Canadian Shield.

The Kapuskasing Rift structure, a deep seated, Precambrian age fault system extends in a NE direction through the Coral Rapids area and represents a favourable environment for kimberlite intrusion. The Temiskaming Graben extends in a north-northwest direction into the area from Kirkland Lake in the south, where it is associated with a number of diamondiferous kimberlite pipes.

The geologic setting of the Coral Rapids area is similar to that of known economic kimberlite diamond deposits. In consideration of this, and the recent discovery of diamondiferous "kimberlitic" intrusives at the Attawapiskat River 300 kilometres to the north by Ashton Mining and KWG Resources, the diamond prospectivity of the area is considered high.

Kimberlite indicator minerals including both G-9 and G-10 pyrope garnet, magnesium ilmenite, chrome diopside, and chromite were previously documented from alluvial gravel sample sites in the region. An alluvial diamond discovery was previously reported on the Abitibi River immediately south of Coral Rapids. Limited previous drilling (i.e. Selco 1982-83) has confirmed the presence of "kimberlitic" intrusives in the area.

In September 1993, High-Sense Geophysics completed a high sensitivity, low level aeromagnetic survey of the region. A number of very distinct diatreme type magnetic anomalies were delineated.

In September-October 1993, Alcanex completed a river gravel sampling geochemical survey over select sections of the area. Kimberlite indicator minerals were encountered in over half of the samples collected. Probe analyses of these mineral grains compare favourably with those reported previously from the region.

Selco reported a considerable range in mineral chemistry among the diatremes they tested. While most were classified as alnoites, the mineral chemistry reportedly suggested that 3 pipes (or phases thereof) located in the northwest corner of the current project area, have chemical similarities to true kimberlites. Janse (1992) notes that two fragments of diamonds were recovered from one such pipe which, based on both the abundance of indicator minerals present and the mineral chemistry of these indicators, Selco had ranked as having the highest affinity to true kimberlite of the targets tested. Furthermore, the mineral chemistry of the indicator grains recovered in regional alluvial gravel sampling covers a greater range and includes mineral grains of better chemistry than reported from previous drilling. This indicates the potential exists for the discovery of potentially diamondiferous diatremes within the project area.

Follow-up drilling is required to evaluate existing priority targets of merit.

2.0 SURVEY AREA

2.1 Location And Access

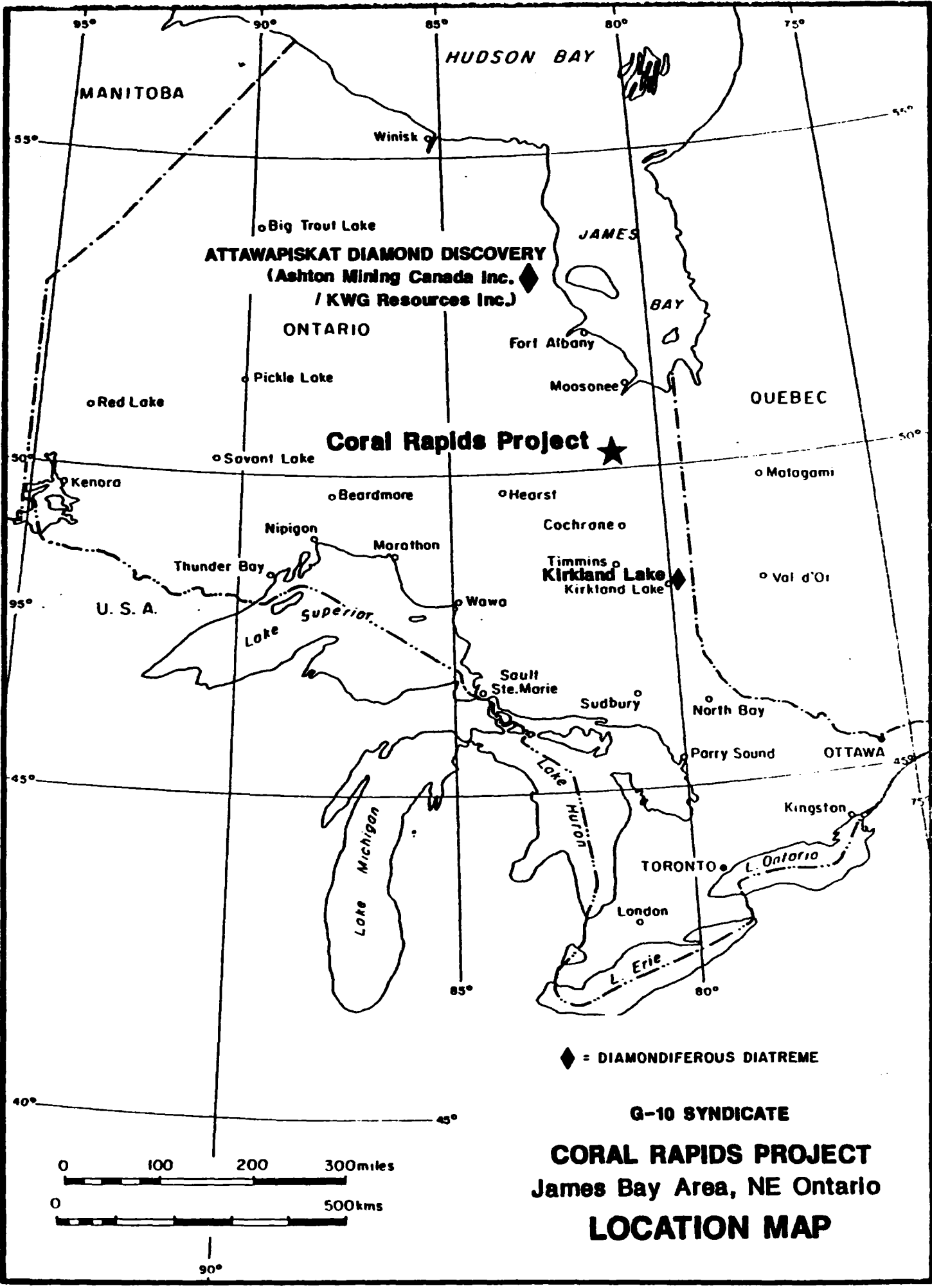
Coral Rapids is located 200 km north of the Timmins mining camp in northeast Ontario. A paved road leads 70 kms north from Smooth Rock Falls on the Trans Canada Highway (#11) to the town of Frazerdale. From Frazerdale, a gravel road leads 50 kms. north to the Ontario Hydro generating station at Otter Rapids located in the south-central portion of the project area. The Ontario Northland Railroad extends in a northeast direction through the western portion of the area en route to Moosonee located on the southwest shore of James Bay.

2.2 Land Position

In November 1992, the G-10 Prospecting Syndicate (a private syndicate) initiated staking of an initial 40,000 acres of select lands in the area. Alcanex Ltd. is manager of the G-10 Syndicate. In 1993-94, select claim blocks were sold or optioned to 9 Vancouver based companies. The typical option agreement provided the Syndicate with a cash payment equal to staking costs and shares in the incoming company. The G-10 Syndicate retains a royalty on diamonds and other minerals. Certain incoming companies have since acquired additional claims in the area.

Following is a listing of the current property positions in the area in which the G-10 Syndicate and Alcanex have retained interests:

Claim #	Township	# of 40 Acre Units	Recording Date
ARBOR RESOURCES INC.			
1180610	HEATH	15	7 Dec 92
1180611	HEATH	15	7 Dec 92
1180612	HEATH	15	7 Dec 92
1180613	HEATH	15	7 Dec 92
1187201	HEATH	12	12 Oct 93
1187202	HEATH	2	12 Oct 93
CALAIS RESOURCES INC.			
East Block			
1143757	HEATH	16	7 Jan 93
1143758	HEATH	16	7 Jan 93
1143759	HEATH & WACOUSTA	12	7 Jan 93
1187081	HEATH	5	7 Jan 93
1187082	HEATH & WACOUSTA	6	7 Jan 93
1187053			
West Block			
1186990	HAMLET	16	7 Dec 92
1186991	HAMLET	16	7 Dec 92
1186992	PITT	16	7 Dec 92
1187203	PITT	6	12 Oct 93
50% Interest			
1200753	HOBSON	2	27 Jan 94
1200754	HOBSON	16	27 Jan 94



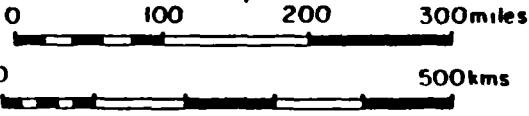
ATTAWAPISKAT DIAMOND DISCOVERY
 (Ashton Mining Canada Inc.
 / KWG Resources Inc.)

Coral Rapids Project ★

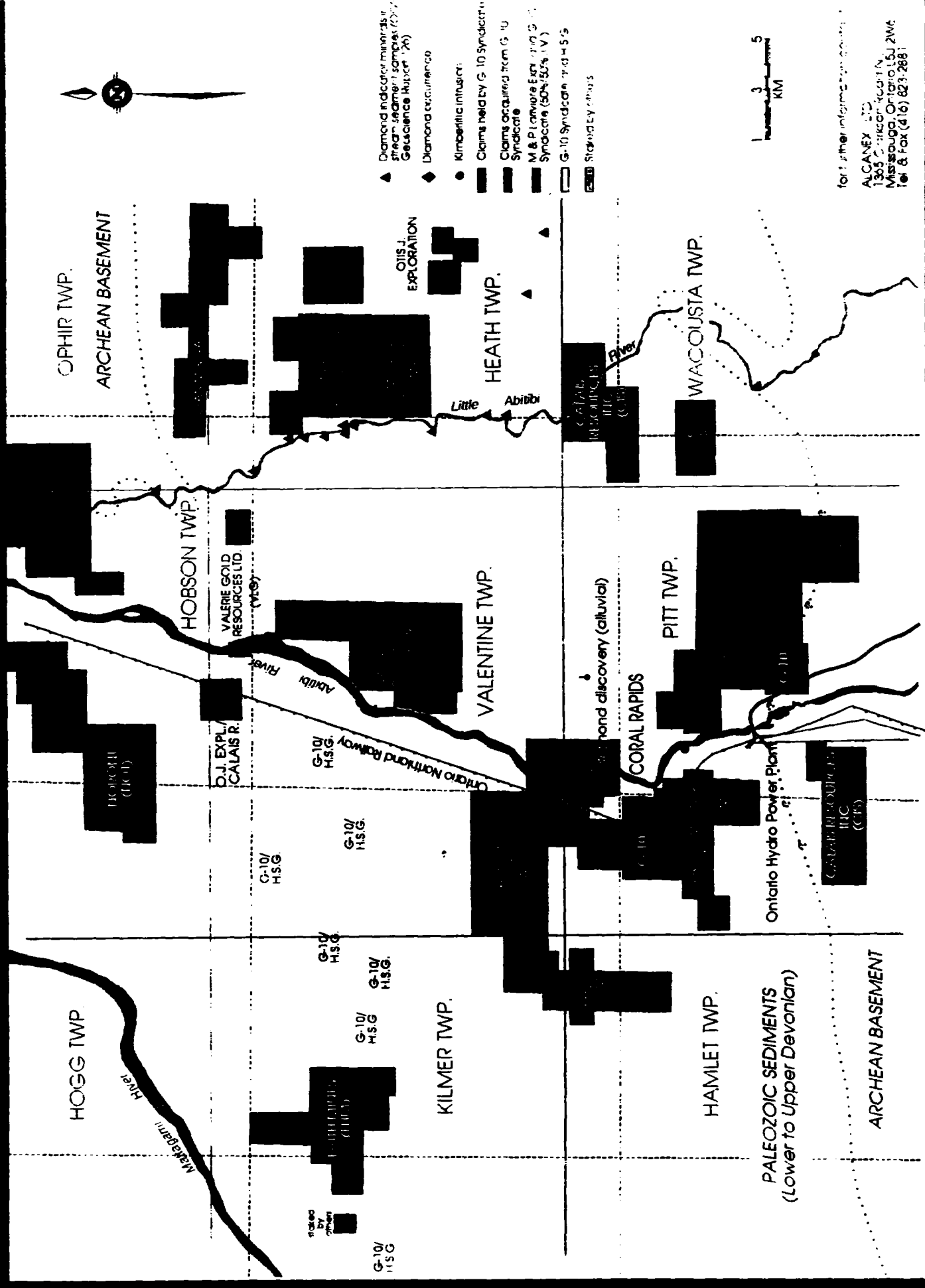
◆ = DIAMONDFEROUS DIATREME

G-10 SYNDICATE

CORAL RAPIDS PROJECT
 James Bay Area, NE Ontario
LOCATION MAP



G-10 SYNDICATE CORAL RAPIDS DIAMOND PROJECT



For further information contact:
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 1305 Carleton Place
 Mississauga, Ontario L5J 2W6
 Tel & Fax (416) 623-2881

PROPERTY LOCATIONS

EMPEROR GOLD CORP.

1180614	HEATH	12	7 Dec 92
1180616	HEATH	16	7 Dec 92
1180618	HEATH	12	7 Dec 92

FAITH MINES LTD.**Northwest Block**

1187040	KILMER	6	7 Jan 93
1187041	KILMER	12	7 Jan 93
1187042	HECLA & KILMER	10	7 Jan 93
1187043	HECLA	9	7 Jan 93
1187044	KILMER	15	7 Jan 93
1187045	KILMER	15	7 Jan 93
1187046	KILMER	10	7 Jan 93
1187047	KILMER	12	7 Jan 93
1187061	HECLA	3	12 Oct 93
1187062	KILMER	2	12 Oct 93
1187066	KILMER	3	12 Oct 93

Southwest Block

1187034	KILMER	16	7 Jan 93
1187035	KILMER	16	7 Jan 93
1187036	KILMER	4	7 Jan 93
1187037	KILMER	16	7 Jan 93
1187038	HAMLET-KILMER	16	7 Jan 93
1187039	HAMLET	16	7 Jan 93
1186998	KILMER	6	12 Oct 93
1187205	KILMER	6	12 Oct 93

OTIS J. EXPLORATION INC.

1143756	HEATH	9	7 Jan 93
1187207	HEATH	4	12 Oct 93
1187208	HEATH	4	12 Oct 93

50 % Interest

1200753	HOBSON	2	27 Jan 94
1200754	HOBSON	16	27 Jan 94

PACIFIC MARINER EXPL. LTD.

1180629	HAMLET	6	7 Dec 92
1180630	HAMLET	3	7 Dec 92
1180623	HAMLET	12	7 Dec 92
1180624	PITT	9	7 Dec 92
1180625	HAMLET & PITT	16	7 Dec 92
1200752	HAMLET	9	27 Jan 94
1200751	HAMLET	9	27 Jan 94

SULTAN MINERALS INC.

1187077	OPHIR	10	7 Jan 93
1187078	OPHIR	12	7 Jan 93
1187079	OPHIR	9	7 Jan 93
1187080	HOBSON & OPHIR	15	7 Jan 93

VALERIE GOLD RESOURCES LTD.

1143708	HOBSON	9	22 Dec 92
1143745	VALENTINE	12	22 Dec 92
1143746	VALENTINE	15	22 Dec 92
1143747	VALENTINE	15	22 Dec 92
1143748	VALENTINE	12	22 Dec 92
1143750	VALENTINE	12	22 Dec 92
1143751	VALENTINE	15	22 Dec 92
1143752	VALENTINE	8	22 Dec 92
1143753	VALENTINE	15	22 Dec 92
1143754	VALENTINE	16	22 Dec 92
1153755	VALENTINE	16	22 Dec 92

WEALTH RESOURCES LTD.

1180604	KILMER	16	7 Dec 92
1180605	KILMER	16	7 Dec 92
1180606	KILMER	16	7 Dec 92
1180607	KILMER	16	7 Dec 92
1180608	KILMER	16	7 Dec 92
1180609	KILMER	16	7 Dec 92

G-10 SYNDICATE**Coral Rapids Block**

1143845	KILMER	2	7 Dec 92
1143846	KILMER	9	7 Dec 92
1143847	KILMER	15	7 Dec 92
1143848	KILMER	3	7 Dec 92
1143849	KILMER	2	7 Dec 92
1180619	KILMER	12	7 Dec 92
1180620	KILMER	12	7 Dec 92
1180621	KILMER	12	7 Dec 92
1180622	KILMER	12	7 Dec 92
1180626	KILMER	1	7 Dec 92
1180627	KILMER	4	7 Dec 92

Ophir Twp Block

1187074	OPHIR	9	7 Jan 93
1187075	OPHIR	12	7 Jan 93
1187076	OPHIR	12	7 Jan 93
1187206	OPHIR	9	12 Oct 93
1187209	OPHIR	12	12 Oct 93

East Abitibi River Block

1180631	PITT	12	7 Dec 92
1180632	PITT	15	7 Dec 92

G-10 SYNDICATE - HIGHSENSE GEOPHYSICS JOINT VENTURE

1187060	HECLA	9	12 Oct 93
1187063	HECLA	4	12 Oct 93
1187065	HECLA	12	12 Oct 93
1187072	KILMER	12	12 Oct 93
1187195	KILMER	9	12 Oct 93
1187197	KILMER	12	12 Oct 93

1187198	HOGG	6	12 Oct 93
1187199	VALENTINE	6	12 Oct 93
1187200	VALENTINE	12	12 Oct 93

M & P LARIVIERRE - G-10 SYNDICATE JOINT VENTURE

1143709	PITT	15	22 Dec 92
1143710	PITT	15	22 Dec 92
1143711	PITT	15	22 Dec 92
1143712	PITT	12	22 Dec 92
1143713	PITT	12	22 Dec 92
1143714	PITT	12	22 Dec 92
1143749	PITT	12	22 Dec 92
1186993	PITT	15	22 Dec 92
1186994	PITT	12	22 Dec 92
1186995	PITT	15	22 Dec 92
1186996	PITT	12	22 Dec 92
1180628	PITT	9	22 Dec 92
1187067	PITT	16	5 Feb 93
1187068	PITT	16	5 Feb 93
1187069	PITT	12	5 Feb 93
1187070	PITT	3	5 Feb 93
1180628	PITT	9	22 Dec 93

VALERIE GOLD - G-10 SYNDICATE JOINT VENTURE EASTERN AREA (WAKWAYOWKASTIC RIVER)

1187073	SOUTH OF NETTOGAMI R	9	7 Jan 93
1187064	" " " "	4	12 Oct 93
1187210	" " " "	9	12 Oct 93
1200743	" " " "	9	12 Oct 93
1200744	" " " "	9	12 Oct 93
1200745	" " " "	4	12 Oct 93
1200746	" " " "	6	12 Oct 93

2.3 Physiography & Geology

2.3.1 Physiography

The project area is characterized by low relief. The few major rivers and creeks provide the main disruption to an otherwise continuous cover of dwarf black spruce. Stands of timber size trees are present on the typically elevated river banks. There are very few lakes or ponds in the area.

2.3.2 Geology

Coral Rapids is located in the vicinity of the Precambrian-Palaeozoic contact. Bedrock ranges in age from early Precambrian to Mesozoic and is covered by unconsolidated sediments of Cenozoic age. Much of the area of interest is underlain by Archean age biotite-hornblende-quartz-feldspar gneiss and migmatite, presumed to represent metavolcanic and metasedimentary rocks of almandine-amphibolite facies. Throughout much of the project area these basement gneisses are overlain by flat to shallow dipping carbonaceous sediments of lower to upper Devonian age. Lamprophyre and "kimberlitic rocks" are intrusive into the palaeozoic cover rocks. In some instances these intrusives correlate with either a positive or negative magnetic expression.

PREVIOUS EXPLORATION IN THE AREA

In 1962, Hard Rock Metals (Canada) Ltd., a subsidiary of Anglo American Corporation of South Africa, and Debeers Diamonds, completed stream gravel sampling on the Little Abitibi River, Bad River, and Abitibi River. Mauve coloured pyrope and magnesian ilmenite were recovered from several sample sites and were believed derived from kimberlite (Tremblay 1963).

In 1966, the Northern Syndicate completed geological and geophysical surveys over select areas, including western Wacousta Twp, in follow-up to an airborne geophysical survey by Canadian Aero. The survey, directed towards the discovery of base metals, produced no significant E.M. anomalies and the program was soon terminated.

Argor Exploration completed a helicopter survey over a portion of Valentine Twp. in 1967. Two follow-up drill holes were completed on a carbonatite body located 4 km north of Sextant Rapids. Narrow kimberlite dykes and lamprophyre dykes were reported within a carbonatite body.

In June 1968, Kimberlite Mining Ltd. intersected a kimberlite intrusive in two drill holes completed in the southwest corner of Valentine Twp.

Two alluvial diamonds were discovered near Coral Rapids on the Abitibi River by Coral Lime & Chemicals Ltd. in 1969.

In 1970, Selco optioned the property of Coral Lime & Chemicals Ltd. and initiated a local soil and stream alluvial sediment sampling program for diamonds and indicator minerals. No diamonds were reported.

Geoterrex Ltd. completed a high sensitivity aeromagnetic survey of the Coral Rapids area for Aquitaine Company of Canada in June 1972. The survey was part of a regional program directed towards mapping out structures in the paleozoic sediments with oil and gas potential. A second priority was directed towards the discovery of carbonate-hosted lead and zinc mineralization. The survey outlined several clusters of circular magnetic anomalies in the area. The known kimberlite intrusives in the area commonly occur on or proximal to magnetic highs.

In 1978 Kerr Addison Mines carried out a limited drill program in the area apparently directed towards the discovery of uranium deposits. One hole completed in northwest Pitt Twp., on the northwest shore of the Abitibi River, terminated in mafic biotite-hornblende rock containing "purple garnets".

In 1979, the Ontario Department Of Mines completed a regional airborne electromagnetic survey over the Cretaceous basin area of the James Bay Lowlands, and again included the Coral Rapids area. The survey was completed on north-south lines, spaced at 1 km intervals. The data was used to prepare an estimate of depth to bedrock throughout the area.

In 1981-82 Selco completed ground magnetic surveys over a selection of airborne magnetic anomalies. Diamond drilling was knowingly completed on 14 targets. Kimberlitic breccias and intrusives were logged in several of the holes. Select

petrographic studies of these drill cores apparently resulted in reclassification of several targets as "alnoitic breccias". However, mineral chemistry studies showed considerable range in composition among the selection of targets tested, with some diatremes showing close affinity to kimberlite (Sinclair 1983). In one instance kimberlite phases were suspected within an alnoitic body. Interestingly enough, two diamonds or fragments thereof were reportedly recovered from one such target indicated to have close affinity to kimberlite. Although it was later speculated that the diamonds may have been derived from the drill bit, this was never confirmed. Selco's drilling was concentrated in the north-west corner of the current area of interest and little systematic testing appears to have been directed at most of the current survey area.

In December 1992, the G-10 Syndicate was formed, and staked a number of claim blocks over diatreme type magnetic anomalies in the Coral Rapids-Mattagami River-Little Abitibi River areas of the James Bay Lowlands. Priority was directed at areas which geologically and geochemically appeared favourable for hosting kimberlite intrusives. Option and sale agreements were subsequently finalized with a number of companies on several of these claim groups. High-Sense Geophysics of Toronto completed a high sensitivity fixed wing aeromagnetic survey over select portions of the area on behalf of the involved parties in September 1993. A number of high priority diatreme type anomalies were delineated. Arbor Resources Inc., Emperor Gold Corp., Wealth Resources Ltd., and Pacific Mariner Explorations Ltd., the G-10 Syndicate and separately two members of the G-10 Syndicate, all carried out gravel sampling programs in the area during the fall of 1993.

In September 1993, the G-10 Syndicate and Valerie Gold jointly funded the completion of an airborne magnetic survey over a second area located in the Wakwayowkastic River district approximately 60 kilometres west of the initial survey area where previous government sampling returned both G-9 and G-10 pyrope garnet. Several high priority diatreme type anomalies were delineated and staked. Preliminary alluvial gravel sampling was subsequently completed over portions of the area in the Fall of 1993.

4.0 GEOCHEMISTRY & DIAMONDIFEROUS INTRUSIONS

4.1 Introduction

Research indicates that natural diamonds formed initially within the earth's mantle. At the high temperature conditions in the mantle, diamonds would only remain stable under conditions of very high pressure. Such conditions would exist where the crust is thick within the range of 150kms to 300kms. Diamonds from the mantle, together with other mantle material, may become caught up in gas-charged magma and intruded along intersecting deep seated fractures in pipe shaped bodies called diatremes, to emerge at the earth's surface in funnel shaped volcanic vents.

Diatremes may comprise kimberlites, lamproites, alkaline ultramafics, carbonatites or lamprophyres. To date only kimberlites and lamproites have produced economic concentrations of diamonds. While these intrusives also occur as dyke and sill-like bodies, it is the diatreme bodies that have the greatest potential of hosting economic diamond deposits.

4.2 Diatremes

At depth a series of dykes and sills form the "root" zone to a typical diatreme. Diatremes usually occur in clusters ranging from as few as 2 to more than 40 individual bodies covering an area measuring more than 50kms in diameter. A series of clusters constitute a "province". Transport time from the mantle to surface is rapid, possibly as short as 10 hours. Enlargement of the vent is typical and transport of deep mantle-derived xenoliths contaminates the diatreme with a mixture of exotic fragments. Reintrusion over time by material of slightly different composition may produce a heterogeneous diatreme.

In surface plan, kimberlite pipes are commonly oval or elliptical in plan view with the long axes aligned parallel to structural lineaments. Individual pipes typically range from 50m to 1500m in surface diameter and occur as steep sided (80 degree to 85 degree) carrot shaped bodies. Secondary lobes can branch off from larger pipes.

Surface craters of diatremes are commonly infilled with epiclastic material and ringed with ejecta. Kimberlites have a typical "wine glass" shape with the contact of the crater portion with the country rock commonly dipping at less than 50 degrees. Kimberlite pipes can become completely buried by younger sediments or alternatively, erosion may expose these diatremes to any level from crater to the root.

Diamondiferous kimberlite pipes are, for the most part, restricted to areas of thick Archean cratons. While the age of kimberlitic intrusives is variable, many of the economic pipes are Jurassic to Cretaceous in age.

Lamproites are commonly hosted by Proterozoic age rock formations that rim the Archean craton. Lamproite vents typically dip more shallowly than those of kimberlites and the craters tend to be more extensive.

Fresh kimberlite can contain up to 5% or 10% iron oxides, predominantly magnetite and ilmenite. This concentration of iron oxides can result in a strong magnetic signature for unaltered kimberlites and lamproites that is not masked by overburden, as may be the case for other geophysical techniques.

4.3.0 GEOCHEMICAL SAMPLING IN DIAMOND EXPLORATION

4.3.1 Introduction

While diamonds are being transported to the earth's surface in a kimberlite-type intrusion, the pressure will drop. Under unfavourable conditions diamonds may become unstable and be converted to graphite or to carbon dioxide gas if sufficient oxygen is present. Under favourable physical and chemical conditions within the intrusion, diamonds will survive and appear at the earth's surface disseminated throughout the now solidified rock.

Common minerals such as garnets are also brought up from the mantle, and in much greater abundance than diamonds. These minerals are chemically distinct from the same minerals formed at shallower depths. By examining their chemical analysis it is possible to determine if the host intrusion has the potential to be diamond-bearing. This is important because diamonds, even in a high grade

diamond bearing pipe, are still rare and may be absent from a small sample. The chemistry of other minerals such as ilmenite and chromeite may, like diamonds, be affected by the chemical conditions encountered during transport to surface. Thus the chemistry of these minerals may be used to determine the probability that diamonds, if originally present in the source, will have survived during the transport to surface. Minerals of these types, those with chemistry characteristic of the depth at which diamonds originate or which reflect conditions during transport to surface which would preserve diamonds intact, are known in the industry as indicator minerals.

4.3.2 Sampling for Indicator Minerals

Indicator minerals, being physically and chemically resistant, are washed out of the kimberlitic source rock as it decomposes at the earth's surface due to oxidation and weathering. They are carried away in streams or glacially transported in soils to their present location where they may be recovered by geochemical sampling. Diamonds themselves are important indicators but are very rare and because of their exceptional hardness may be transported for hundreds of kilometres from their source. It is necessary to establish the probable source of alluvial diamonds, which in Canada usually involves interpretation of the direction of ice flow. Indicator minerals, being less resistant to abrasions than diamonds, tend to be found closer to the source kimberlitic intrusion where they can be highly concentrated. Regional geochemical sampling of river gravels and eskers can be very effective in delineating favourable source areas. Detail geochemical sampling of glacial tills down ice from specific geological or geophysical targets in favourable source areas, can be an effective means of screening out potentially diamondiferous diatremes from other targets of similar character provided a good till horizon is present.

Indicator minerals, because of their high specific gravity, are classed with diamonds as heavy minerals. A variety of field and laboratory techniques can be effectively used to separate heavy mineral concentrates from soil and till samples for visual identification of indicators.

5.0 FIELD SAMPLE PROCEDURE

In September and October of 1993 alluvial river gravel sampling was carried out over select portions of the Coral Rapids-Abitibi River-Little Abitibi River area, and over a second area located 60 kilometres to the east.

In the main or western area, preliminary sampling was carried out from lumber roads and hydro roads leading north from Fraserdale located 50 km to the south. Accommodation was obtained at the Fraserdale lumber camp. Tent camps were established at Otter Rapids and at the intersection of the Little Abitibi River and the Bad River to facilitate river sampling by canoe in these areas. The camp on the Little Abitibi River was lifted in by helicopter from Otter Rapids with air support from Spruce Falls Helicopters of Kapuskasing (Kapuskasing is located on the Trans Canada Highway, 120 km to the south-west of Otter Rapids).

In the eastern area, river gravel sampling was carried out along sections of both the Wekeyaukastic River and the Natogami River. Sampling in this area was completed in October with air support by Huisson Aviation of Timmins, from a temporary base established at the Fraserdale lumber camp. During the current

SAMPLE TREATMENT FLOWCHART

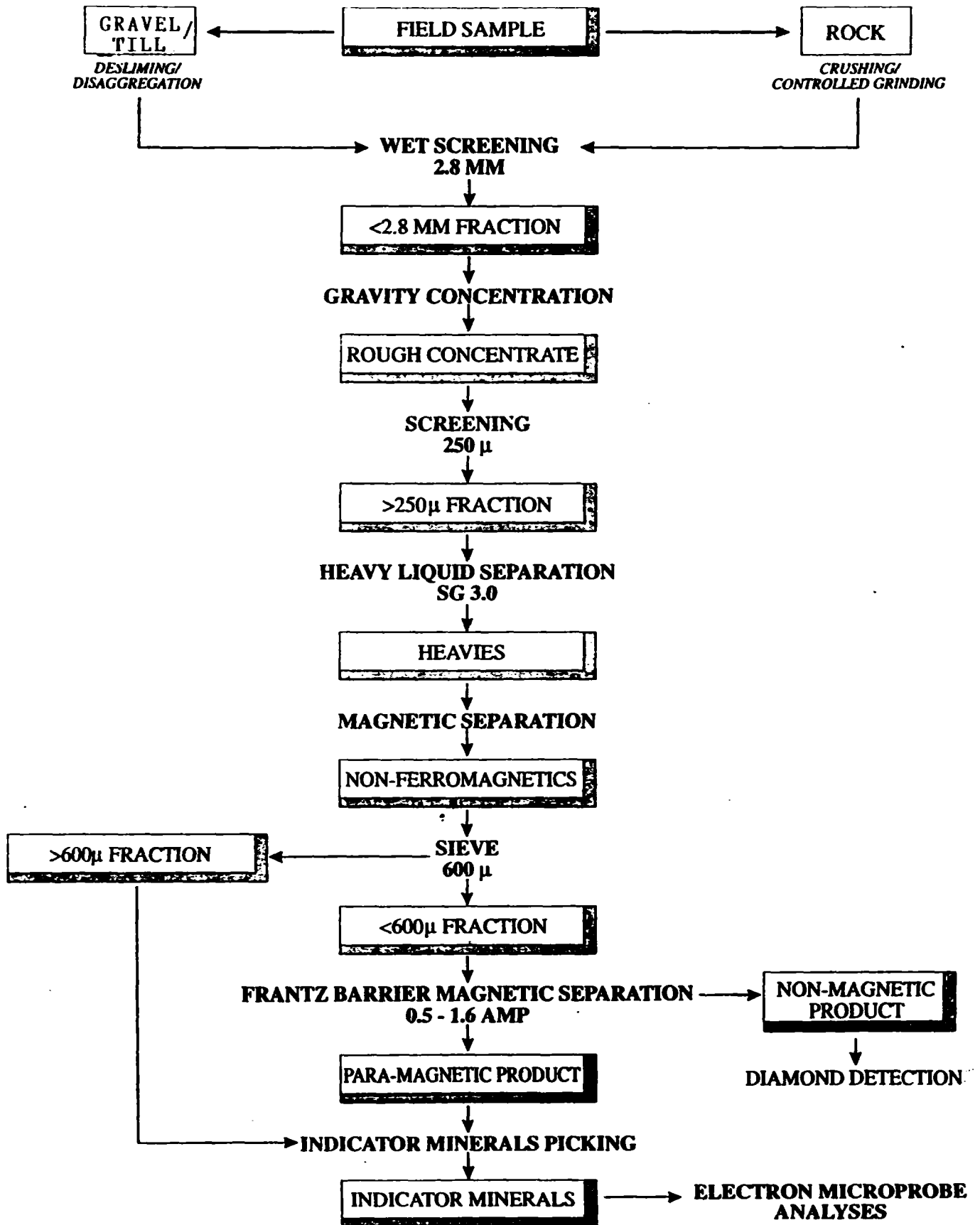


FIGURE 2

survey, screened (-6 mesh or -3.53 mm) samples, weighing approximately 20 kg each, were routinely collected from 29 sample locations and shipped to Orex Laboratories in Vancouver for processing and recovery of heavy minerals. At one location on the Abitibi River a one ton sample of raw gravel was screened to produce a 160 kg bulk sample of -10 mesh (-2.03mm) sand for processing at Orex Laboratories.

A portable mechanized pan concentrator, on lease from Orex Laboratories, was set up at two locations, one on Arbor Resources' Bad River property and one on Emperor Gold's Little Abitibi River property. Bulk samples were collected at these locations. At each location, approximately one ton of raw gravel was screened to obtain approximately 160 kgs of -10 mesh sand for on site processing. The rough concentrates from these samples were also forwarded to Orex Laboratories for continued processing. Orex Laboratories forwarded the heavy mineral separates from all samples to Scientific Services Ltd. in Cape Town, South Africa, for final picking and probing of all potential indicator mineral grains. Figure 1 of this report outlines the laboratory process of sample reduction and analysis. A description of the samples collected in the area is presented in appendix 1a of this report.

6.0 SUMMARY OF RESULTS-1993 SAMPLING

The current sampling program was directed at those very few locations where alluvial gravel sampling was possible and was not intended as a means of evaluating specific anomalies. In this respect the best that could be hoped for was to sample generally in the down ice direction (i.e. south) of at least some of the anomalies of interest. In evaluating the data it must be kept in mind that the ice direction throughout most of the area is south, to south 15 degrees west, with the rivers and streams flowing generally north into James Bay. Upon examining the indicator mineral chemistry from our 32 alluvial samples it is suggested we have multiple sources, only a fraction of which can be explained by the efforts of previous operators.

Our 32 alluvial samples represent a meaningful extension to the previous Ontario Geological Survey sampling of 1975.

Additional information was obtained from the Ministry Of Natural Resources Core Library in Timmins which is helpful in evaluating the diamond potential of the area. In particular, a 1987 report by Boucher & Dunn describes the analytical studies completed by Monopros on 3 reverse circulation holes completed earlier on a lignite deposit immediately north of our survey area. A second report by Selco (Sinclair 1983) provides meaningful information on the mineral chemistry of indicator grains encountered from their drilling. In addition, attention has been given to an independent study of the area by K. Barron (1992), also on file at the Timmins Core library.

In the main survey area we obtained a total of 9 pyrope garnets, 15 high magnesium ilmenites and 1 chrome diopside from a total of 24 sample sites. In the eastern sample area 2 pyrope garnets and 4 high magnesium ilmenites were obtained from a total of 8 samples. Following is a listing of anomalous samples encountered with quantity of pyrope, Mg ilmenite and chrome diopside indicated.

MAIN AREA

SAMPLE #	PYROPE GARNET	Mg ILMENITE	CHROME DIOPSIDE
BR-93-1(bulk)	3	3	-
BR-93-3	-	2	-
BR-93-4	-	2	-
ELA-93-1(bulk)	2	-	-
ELA-93-2	2	-	-
LA-93-2	-	-	1
LA-93-3	-	-	2
LA-93-4	-	2	-
LA-93-6	-	1	-
OP-93-3	-	3	-
OP-93-8	1	-	-
OP-93-9	-	-	-
WR-1	1	-	-

EAST AREA

OP-93-11	-	1	-
OP-93-12	1	-	-
OP-93-13	-	1	-
OP-93-15	-	1	-
OP-93-16	-	1	-
OP-93-17	1	-	-

The pyrope garnets recovered from the present survey all lie in the G-9 field. The previous OGS survey returned 1 G-10 pyrope from 11 that were analysed (In this instance the one G-10 was from the eastern area). Monopros reportedly recovered 2 G-10 garnets from their sampling of archived drill cuttings. In total these results are considered very encouraging considering the limited number of sample points and regional nature of the sampling. In addition, the chrome content of pyrope garnet reported from Selco's drilling appears restricted to the lower range of that encountered in our regional sampling and indicates a different chemistry for many of the untested diatremes of the area. In addition, the source of the previously documented G-10 pyrope remains unknown. Since in alluvial sampling we expect to obtain a mixing of indicators from a variety of sources, the presence of favourable indicators from yet unlocated sources is considered significant.

All of our samples contain multiple grains of chromite. The mineral chemistry obtained in our sampling covers a great range, largely overprinting the field indicated in Selco's sampling. Our sampling however, like that of Monopros, may indicate a higher proportion of high chrome content spinels.

The ilmenite grains recovered by our regional sampling, like those reported by Monopro's sampling, cover a large range. Several of our ilmenite grains are of high chrome and high magnesium content that would suggest formation under conditions favourable for diamond preservation. Again these results appear substantially better than those reported by Selco.

Our three chrome diopsides offer additional encouragement for the area.

In conclusion, the combined results from our survey and previous sampling in the area suggest that not all types of diatremes have been tested. The results obtained to date indicate that some of these targets could be diamondiferous. The extensive clay cover renders it impossible to evaluate specific anomalies by glacial till geochemical sampling. Diamond drilling of select diatreme like magnetic anomalies is believed the most effective means of target evaluation.

7.0 RECOMENDATIONS

MAIN AREA (West Area)

The high resolution magnetic survey over the main Coral Rapids area has indicated a number of first priority diatreme-like magnetic anomalies for the next-stage, drill evaluation. Initial testing should be directed at a selection of representative targets throughout the project area, in an effort to locate those expected clusters of diatremes most deserving of systematic follow-up.

In preparation for drilling, detail magnetic surveying should be completed over existing priority targets. The portable helicopter system, developed by High-Sense Geophysics of Toronto, and used very successfully to locate drill targets on similar diatreme type magnetic anomalies in the Attawapiscat River area, is recommended as a cost effective means of detailing specific targets. Drill sites could be prepared on confirmed targets of merit for a Fall or Winter drill program.

A cost effective area program could best be achieved by co-ordinating the efforts of the companies presently involved in the region. With this idea in mind we have outlined 24 potential drill targets on the compilation map which accompanies this report. Completion of detail magnetic surveying over 20 such anomalies should be sufficient to ready an expected 12 to 15 targets for drilling. In the initial test one 500 foot BQ size diamond drill hole is anticipated on each target.

It is expected drill costs, inclusive of detail magnetic surveying, site preparation, and supervision etc., could be achieved for \$75.00 per foot.

EAST AREA (Wakwayowkastic River Area)

In the eastern area specific diatreme source anomalies were verified by our high-sensitivity airborne survey. Again, the presence of pyrope garnet (both G-9 & G-10) and magnesium ilmenite from the few alluvial gravel samples collected is considered extremely encouraging and follow-up is warranted. The preliminary 1993 geochemical survey was, in this area, restricted to the few helicopter landing sites that could be found on sections of two rivers. Glacial till was observed locally within the area. Till sampling down ice from certain anomalies may be possible and should be attempted. The results of such sampling should be evaluated with the results of the detail helicopter magnetic surveying of such targets, to prioritize deserving drill targets.

8.0 REFERENCES

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SELECT ASSESSMENT FILES - ONTARIO MINISTRY OF NATURAL RESOURCES, TORONTO

Technical Files

Toronto Files

- 2.3877 Gibbins, A., 1981; Geological Report & Magnetometer Surveys Missisaibi Area Property No's 1,2,3 for W.G. Wall on properties held by BP Selco.
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- 83.1-30 Mousseau Tremblay, 1962; Canadian Rock Company & Anglo American Corporation of South Africa Ltd., Report on Alluvial Stream Sediment Sampling for Diamonds, Hobson, Ophir, Valentine, Heath, Pitt and Wacousta Townships.
- 83.1-50 Northland Syndicate, May 1966; Report on Ground E.M., Mag, Geol, & Geochem Audrey Lake.
- 81-119 Aquitaine Company of Canada Ltd. 1972; Airborne Magnetometer Survey and Follow-up on Exploration Permit.

Drill Files

- Valentine Twp., Drill File #10, Kimberlite Mining Co. Ltd., 1968.
- Valentine Twp., Drill File #14, BP Selco 1982.
- Kilmer Twp., Drill File, Ashland-Elgin 1970 (6 holes in Pick River Area).
- Pitt Twp. Drill File, Kerr Addison, 1978.

9.0 CERTIFICATE OF QUALIFICATIONS

I, William R. Troup, of Mississauga, Ontario, hereby certify and declare the following:

1. I am a Consulting Geologist and President of Alcanex Ltd., a service company providing geological services and project management to the mineral exploration industry.
2. I graduated from the University of Waterloo with a MSc. degree in Geology in 1975.
3. I have been practicing my profession for the past 22 years.
4. I am a fellow in the Geological Association of Canada.
5. I participated in the 1993 field program in the Coral Rapids area of Ontario.
6. The opinions expressed in this report are based on my examination of the 1993 survey results and on a review of public geological reports on the area.

William R. Troup, MSc., BSc.
F.G.A.C.

Mississauga, Ontario
June, 1994

APPENDIX IA

FIELD SAMPLE DESCRIPTIONS - 1993 GRAVEL SAMPLES
(NOTE: Sample size indicated is field estimate)

Little Abitibi River - Bad River Area

Arbor Resources Inc. - Bad River Property

Sample #'s	Description
BR-93-1(Bulk)	- 160 kgs of screened (-10 mesh) sand was obtained from an estimated 1 ton of raw river gravels and rough concentrated on site - rough concentrate was sent for final laboratory concentration & processing
BR-93-2,3,4,	- 20 kg samples of screened (-6 mesh) river gravels
BR-93-5	- 20 kg sample of screened (-6 mesh) gravels from small creek

Emperor Gold Corp. - Little Abitibi River Property

Sample #'s	Description
ELA-93-1(Bulk)	- 160 kgs of screened (-10 mesh) sand was obtained from an estimated 1 ton of raw gravels near mouth of small creek and rough concentrated on site - rough concentrate was sent for final laboratory concentration & processing
ELA-93-2	- 20 kg sample of screened (-6 mesh) river gravels

Regional Samples

Sample #'s	Description
LA-93-1&2	- 20 kg samples of screened (-6 mesh) river gravels
LA-93-3	- 10 kg sample of screened (-6 mesh) sandy clay till
LA-93-4,5,6,7	- 20 kg samples of screened (-6 mesh) river gravels

OP-93-1,2 - 20 kg samples of screened (-6 mesh) sand from creeks

Abitibi River Area

OP-93-3 - 20 kg sample of screened (-6 mesh) river gravels

OP-93-4 - 20 kg sample of screened (-6 mesh) gravel from small creek

OP-93-5(bulk) - approximately 160 kg sample of screened river gravels from mouth of small creek
- -10 mesh material collected (Note: approximately 1 ton of gravel was screened and the resulting 160 kg sample was forwarded for laboratory processing)

OP-93-8 - 20 kg sample of screened (-6 mesh) gravels from mouth of small creek

Faith Mines Ltd - Pike River Property (Northwest Sector)

OP-93-9 - 20 kg sample of screened (-6 mesh) river gravels

**G-10 Syndicate - Valerie Gold Resources Ltd.
Natogami River Area - (Northeast area)**

OP-93-10,11 - 20 kg samples of screened (-6 mesh) river gravels

OP-93-12 - 20 kg sample of screened (-6 mesh) river gravels & sands
(Note: This was not a good gravel bar, - reworked locally derived till)

OP-93-13,14 - 20 kg samples of screened (-6 mesh) river gravels

OP-93-15 - 20 kg sample of screened (-6 mesh) river gravels & sand
(Note: not a good gravel bar, - reworked locally locally derived till)

OP-93-16,17 - 20 kg samples of screened (-6 mesh) river gravels

Pacific Mariner - Onakawana River Property

PM-1 - 20 kg sample of screened (-6 mesh) river gravels

Wealth Resources Ltd. - Onakawana River Property

WR-1,2

**- 20 kg samples of screened (-6 mesh) river
gravels**

APPENDIX 1b
LABORATORY PROCESSING SHEETS



Scientific Services (Pty.) Ltd. Reg. No. 70/0011/071

CONSULTING AND ANALYTICAL LABORATORIES

FAX TO: OKS Labs
 FAX NO: 091 604 8761 - SLS PAGE: 01 OF: 05
 ATTENTION OF: Hank Mulder
 FROM: Paul Zweistra DATE: 18/1/93
 COMPANY: _____
 FAX NO: _____ Post-18 Notes from SM

Report

ON THE DI. IONIC POTENTIAL OF PRE-CONCENTRATED SAMPLES
SUBMITTED UNDER ORDER OR93/007/2

By

Paul Zweistra

Prepared for:

C
Laboratories Ltd
Essexford St.
Burns Bay BC
CANADA
V5E 1B3

18 January 1994



-1-

INTRODUCTION

Thirteen pre-concentrated samples were submitted for kimberlitic indicator mineral recovery in late November, 1993. The indicators were recovered as outlined below in December and the results faxed to Orex Laboratories on 17 December 1993. Probe requests were received on 5 January 1994 with a request to report the OP samples separately from the PM and WR samples. This report documents the results and interpretation of the PM and WR samples.

LABORATORY PROCEDURE

Only the 25g splits of the samples were examined for indicators as requested. The samples are screened into four size fractions (+300, +425, +710 and +1000 microns) and demagnetised with the weights being recorded. The demagnetised portion was then examined under a binocular microscope by a highly experienced indicator sorter to recover the kimberlitic indicators present.

Details of magnetic weights and indicators recovered are given in Tables 1 and 2, respectively.

Table 1: Breakdown of Sample Weights

Sample	Wt. Sorted g	Mag Wt g
PM/1	25.00	2.60
WR/1	25.00	4.01
WR/2	15.70	1.79

Table 2: Breakdown of Indicators Recovered

Sample	Fraction	Chr
PM/1	300	12
WR/1	300	10
	425	18

Sample WR/2 is barren of kimberlitic indicators.



Fig.1: Chromite compositions

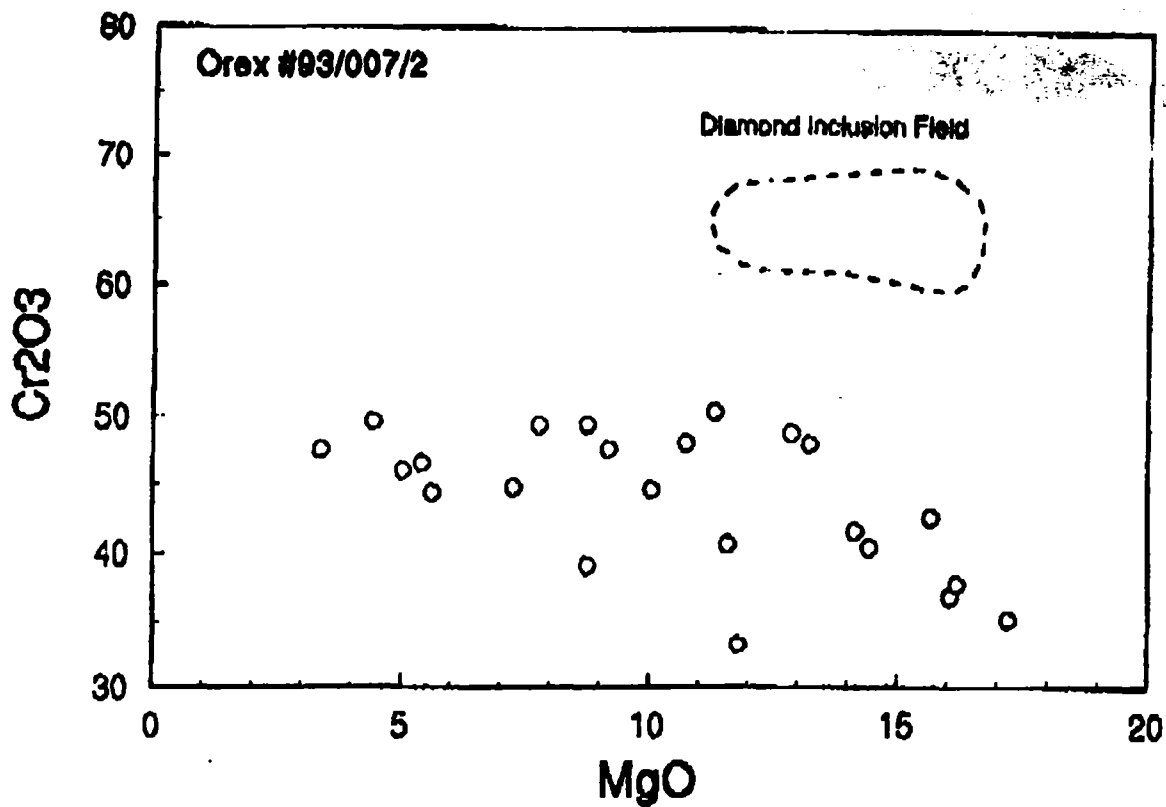
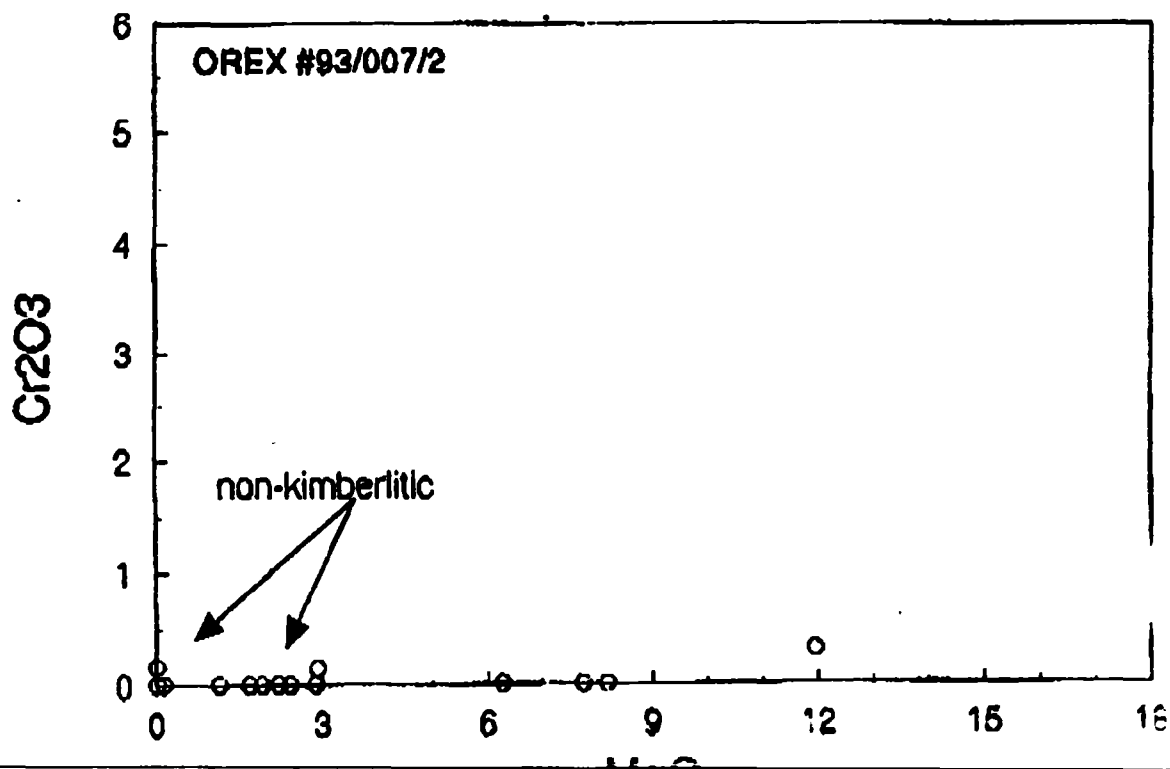


Fig.2: Ilmenite Compositions





SCIENTIFIC SERVICES MICROPROBE ANALYSES

OREX LABS (NORP3/007) FULL ANALYSES

PAGE: 1

SAMPLE NUMBER	SiO2	TiO2	AL2O3	CR2O3	FeO	MNO	MOO	CaO	Na2O	K2O	TOTAL
1 PH-1-1	nd	49.71	0.18	nd	46.63	2.03	nd	nd			98.99
2 PH-1-2	nd	1.38	20.86	42.64	18.33	nd	15.68	nd			98.89
3 PH-1-3	nd	0.54	14.04	46.60	31.79	0.44	5.41	nd			98.82
4 PH-1-4	nd	51.21	0.25	nd	44.81	0.44	2.89	nd			99.60
5 PH-1-5	nd	50.61	0.21	nd	46.04	0.51	1.92	nd			99.29
6 PH-1-6	nd	47.32	0.70	nd	42.29	0.31	7.75	nd			98.37
7 PH-1-7	nd	51.33	0.27	nd	45.38	0.45	2.43	nd			99.86
8 PH-1-8	nd	51.39	0.26	nd	45.39	0.45	2.21	nd			99.70
9 PH-1-9	nd	48.36	0.18	nd	47.90	2.73	nd	nd			99.17
10 PH-1-10	nd	51.77	0.22	nd	45.56	0.72	1.14	nd			99.61
11 PH-1-11	nd	0.97	11.57	44.41	35.06	0.39	5.62	nd			98.02
12 PH-1-12	nd	48.11	0.63	nd	41.85	0.28	8.19	nd			99.06
13 WR-1-1	nd	0.47	14.59	49.43	24.55	0.25	8.75	nd			98.04
14 WR-1-2	nd	1.09	28.74	35.18	17.23	nd	17.22	nd			99.46
15 WR-1-3	nd	0.11	17.22	47.62	29.36	0.36	3.38	nd			98.25
16 WR-1-4	nd	0.42	11.58	49.66	31.41	0.35	4.42	nd			97.84
17 WR-1-5	nd	0.97	15.51	44.77	30.75	0.39	7.26	nd			99.65
18 WR-1-6	nd	0.52	15.44	47.70	24.40	0.47	9.19	nd			97.72
19 WR-1-7	nd	1.82	14.58	44.70	26.70	0.24	10.06	nd			98.10
20 WR-1-8	nd	4.58	14.05	33.28	34.55	0.24	11.80	nd			98.50
21 WR-1-9	nd	0.25	29.64	37.85	14.78	nd	16.20	nd			98.72
22 WR-1-10	nd	49.90	0.18	nd	48.61	0.55	nd	nd			99.24
23 WR-1-11	nd	1.30	24.66	36.88	19.59	nd	16.06	nd			98.49
24 WR-1-12	nd	1.52	12.65	46.06	33.21	0.48	5.03	nd			98.93
25 WR-1-13	nd	0.83	21.87	41.64	20.43	nd	14.15	nd			98.92
26 WR-1-14	nd	0.42	11.62	49.35	29.83	0.42	7.77	nd			99.43
27 WR-1-15	nd	1.02	13.70	50.44	22.06	0.38	11.31	nd			98.91
28 WR-1-16	nd	51.41	0.17	nd	46.04	0.59	1.69	nd			99.90
29 WR-1-17	nd	1.00	15.08	48.96	20.35	0.26	12.85	nd			98.50
30 WR-1-18	nd	47.66	0.44	nd	43.68	0.31	6.28	0.10			98.67
31 WR-1-19	nd	1.69	21.31	40.47	21.25	0.27	14.43	nd			99.62
32 WR-1-20	nd	87.04	0.32	0.17	3.74	nd	nd	nd			91.27
33 WR-1-21	nd	2.15	11.46	48.18	25.12	0.34	10.74	nd			97.99
34 WR-1-22	nd	50.82	0.22	0.15	43.70	0.47	2.92	nd			98.28
35 WR-1-23	nd	47.92	0.47	nd	42.51	0.37	7.75	nd			99.02
36 WR-1-24	nd	4.17	11.87	40.71	29.85	0.23	11.58	nd			98.41
37 WR-1-25	nd	50.06	0.15	nd	48.08	1.44	0.14	nd			99.87
38 WR-1-26	nd	3.09	10.97	48.11	23.11	nd	13.23	nd			98.51
39 WR-1-27	nd	52.47	0.58	0.32	33.79	0.21	11.95	nd			99.32
40 WR-1-28	nd	1.10	18.56	39.14	31.12	0.42	8.76	nd			99.10

FAX TO: Orex Laboratories
FAX NO: 091 604 874-5 PAGE: 01 OF: 09
ATTENTION OF: Hank Munnier
FROM: Paul Zwaistra DATE: 18/1/93
COMPANY: _____
FAX NO: _____ **Post-It Notes from 3M**

Report

**ON THE DIAMOND POTENTIAL OF PRE-CONCENTRATED SAMPLES
SUBMITTED UNDER ORDER OR93/007/1**

BY

Paul Zwaistra

Prepared for:

**Orex Laboratories Ltd
6331 Beresford St.
Burnaby, BC
CANADA
V5E 1B3**

18 January 1994

INTRODUCTION

Thirteen pre-concentrated samples were submitted for kimberlitic indicator mineral recovery in late November, 1993. The indicators were recovered as outlined below in December and the results faxed to Orax Laboratories on 17 December 1993. Probe requests were received on 5 January 1994 with a request to report the OP samples separately from the PM and WR samples. This report documents the results and interpretation of the OP samples.

LABORATORY PROCEDURE

Only the 25g splits of the samples were examined for indicators as requested. The samples are screened into four size fractions (+300, +425, +710 and +1000 microns) and demagnetised with the weights being recorded. The demagnetised portion was then examined under a binocular microscope by a highly experienced indicator sorter to recover the kimberlitic indicators present.

Details of magnetic weights and indicators recovered are given in Tables 1 and 2, respectively.

Table 1: Breakdown of Sample Weights

Sample	Wt Sorted g	Mag Wt g
OP93/08	25	3.98
OP93/09	25	2.23
OP93/10	25	1.76
OP93/11	25	2.28
OP93/12	25	2.60
OP93/13	25	1.45
OP93/14	25	2.54
OP93/15	25	1.53
OP93/16	25	2.14
OP93/17	25	2.30

Table 2: Breakdown of Indicators Recovered

Sample	Screen	Gar	Ilm	Chr	CrDi
OP93/08	300			20	
	425	2		20	
	710			7	

Table 2: Breakdown of Indicators Recovered

Sample	Screen	Gar	Ilm	Chr	CrDi
OP93/09	300	1		9	
OP93/10	425			1	
OP93/11	300				1
	425			3	
OP93/12	300			7	
	425			6	
	710			1	
OP93/13	300			5	
	425			13	
OP93/14	425			5	
	710			1	
OP93/15	300	1		36	
	425		6	25	
OP93/16	300			5	
OP93/17	425	1		12	
	710			6	

Samples not listed in Table 2 are barren of kimberlitic indicators. Note that the concentrate contains a super-abundance of non-kimberlitic garnet.

INDICATOR MINERAL CHEMISTRY

Full analyses and the relevant XY plots are appended. Analyses were undertaken on the Cameca Camebax electron microprobe at the University of Cape Town.

Two of the five garnets are kimberlitic (Figure 1), both being lherzolitic G9 varieties. The chromites (Figure 2) comprise two populations separated by approximately 12 Wt% MgO. The chromites having MgO contents > 12 Wt% are probably kimberlitic, whereas the compositions of those with lower MgO contents suggest derivation from non-kimberlitic sources. No diamond inclusion type chromites are present. The majority of the ilmenites are non-kimberlitic. The kimberlitic ilmenites (Figure 3) are characterised by low Cr₂O₃ and relatively high MgO (> 9 Wt%) contents and are fragmented megacrysts.

The indicator mineral chemistry data shows derivation from a kimberlitic source or sources. The absence of diamond indicators suggest that the source(s) is barren. However, too few garnets were recovered for a meaningful interpretation. Follow-up to recover additional garnets or the source(s) is recommended so that the diamond potential can be more adequately assessed.



P. Zweistra
18 January 1994



Fig. 1: Garnet Compositions

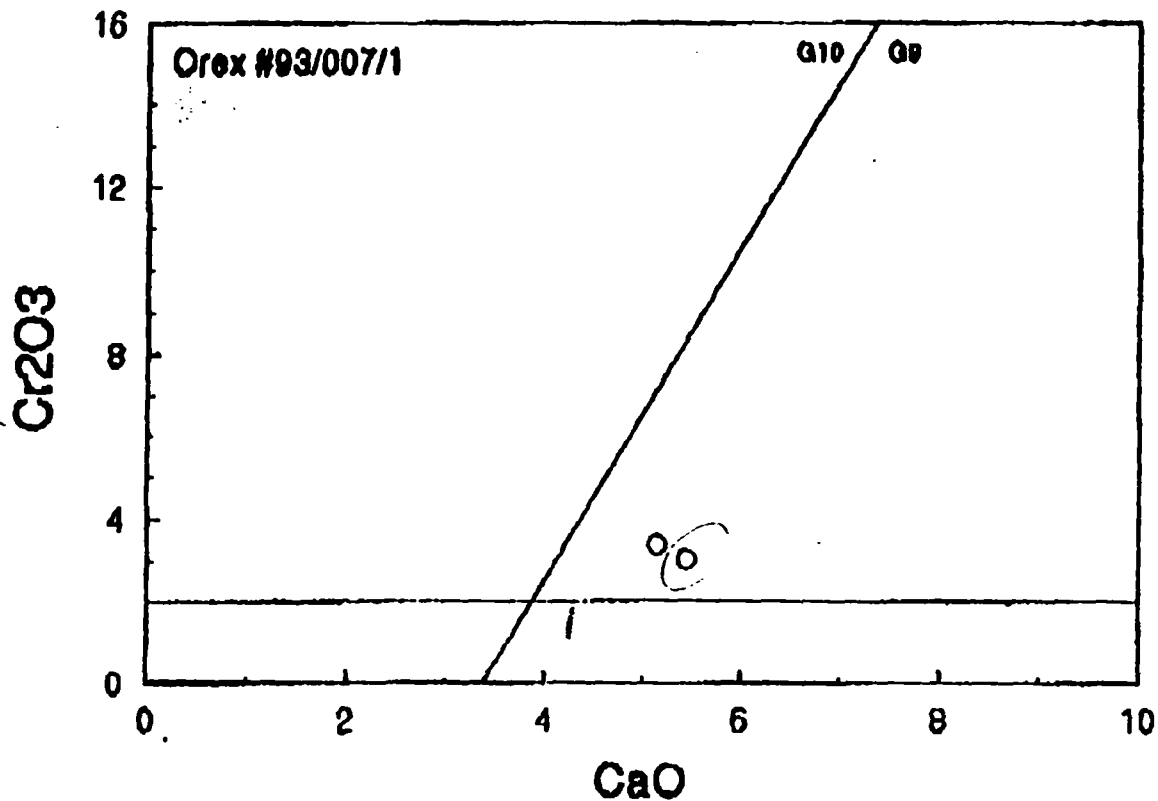
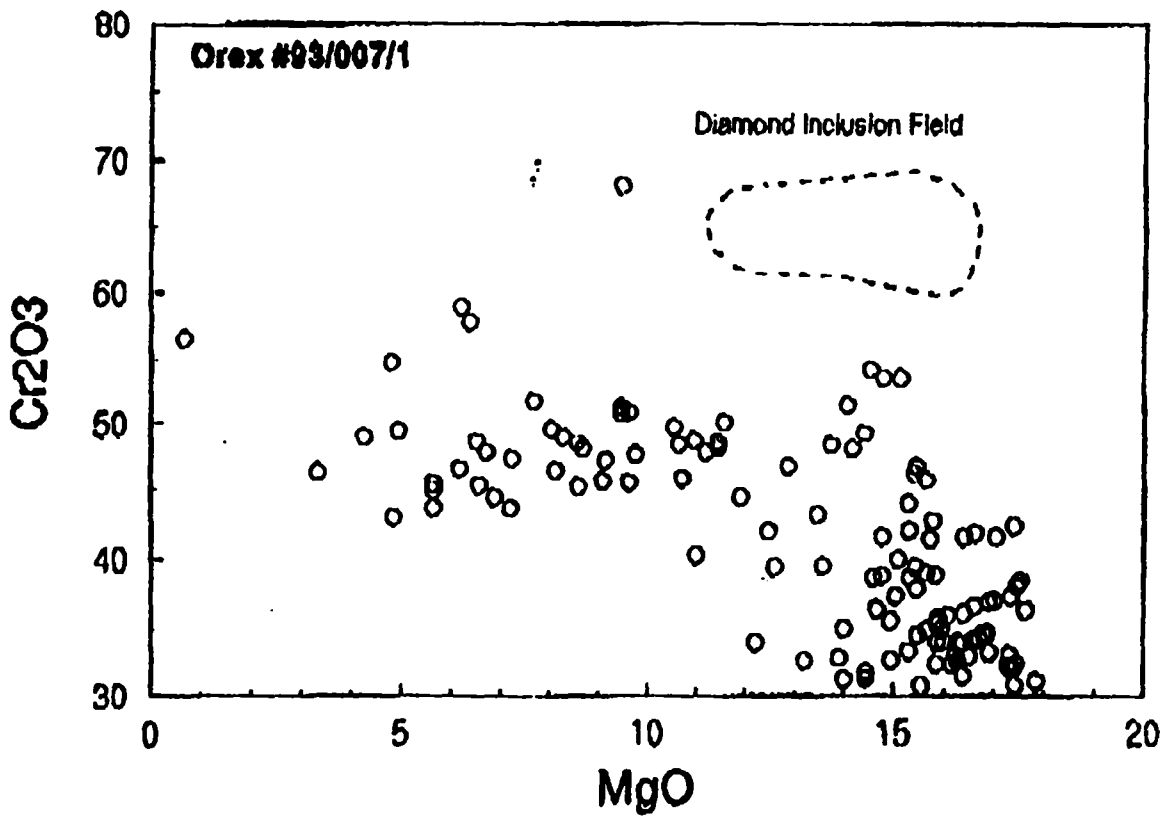


Fig. 2: Chromite Compositions



SAMPLE NUMBER	SI02	TIO2	AL2O3	CH2O3	FE0	MNO	MGO	CAO	NA2O	K2O	TOTAL
1 OP9309-1	36.46	nd	21.34	nd	34.82	3.60	2.84	0.82			99.89
2 OP9315-1	nd	nd	42.00	nd	6.70	0.38	0.19	nd			49.27
3 OP9308-1	40.98	nd	21.67	3.36	7.36	0.46	20.06	5.15			99.04
4 OP9308-2	37.95	nd	22.24	nd	28.27	0.71	9.54	1.00			99.31
5 OP9317-1	40.81	nd	21.76	3.02	8.44	0.60	18.99	3.45			98.77
6 OP9311-1	36.30	0.17	9.51	6.83	10.73	1.80	nd	32.89	nd	nd	98.23
7 OP9315-2	nd	1.87	22.22	30.74	21.79	nd	14.77	nd			99.05
8 OP9315-3	nd	nd	27.86	38.33	14.35	nd	17.53	nd			98.27
9 OP9315-4	nd	0.95	23.25	41.54	15.41	nd	16.41	nd			97.56
10 OP9315-6	nd	1.44	20.16	42.01	19.55	0.21	15.30	nd			98.67
11 OP9315-7	0.15	1.49	14.20	48.37	20.74	0.25	13.73	nd			98.93
12 OP9315-5	nd	1.84	24.05	36.32	21.05	nd	14.66	nd			97.92
13 OP9308-3	nd	1.23	11.99	45.27	32.24	0.50	6.57	nd			97.80
14 OP9308-4	nd	1.49	13.60	45.77	27.01	0.30	10.73	nd			98.70
15 OP9308-5	nd	0.47	19.00	48.03	26.97	0.33	8.68	nd			99.48
16 OP9308-6	nd	0.19	4.79	34.61	32.55	0.54	4.81	nd			97.49
17 OP9308-7	nd	2.43	12.84	43.67	33.56	0.27	5.66	nd			98.63
18 OP9308-8	nd	0.14	17.30	45.61	25.90	0.45	9.10	nd			98.50
19 OP9308-9	nd	0.82	11.37	31.20	22.74	0.25	9.48	nd			95.86
20 OP9308-10	nd	0.38	13.92	30.05	22.53	0.34	11.37	nd			98.79
21 OP9308-11	0.13	0.79	11.63	49.47	28.29	0.41	8.06	nd			98.78
22 OP9308-12	nd	1.25	13.47	48.67	24.31	0.37	10.97	nd			99.04
23 OP9308-13	nd	0.88	14.08	48.14	24.45	0.27	11.44	nd			99.26
24 OP9308-14	0.34	34.68	0.48	nd	29.94	nd	nd	0.10			85.54
25 OP9308-15	nd	51.71	0.20	nd	47.16	0.81	0.37	nd			100.23
26 OP9308-16	nd	0.80	14.60	48.53	23.25	0.35	11.44	nd			98.97
27 OP9308-17	0.14	0.70	12.68	50.83	25.02	0.38	9.63	nd			99.38
28 OP9308-18	nd	0.80	0.76	68.09	18.52	0.47	9.49	nd			98.13
29 OP9308-19	nd	0.91	15.59	44.38	29.99	0.83	6.89	nd			98.59
30 OP9308-20	nd	1.56	15.57	45.18	27.44	0.34	8.60	nd			96.69
31 OP9308-21	nd	1.98	10.79	47.59	27.37	0.33	9.76	nd			97.82
32 OP9308-22	nd	0.92	13.75	47.25	28.65	0.41	7.24	nd			98.22
33 OP9309-2	nd	1.15	28.36	32.33	19.62	nd	16.16	nd			97.62
34 OP9309-3	nd	1.07	26.59	36.30	16.80	nd	16.62	nd			97.58
35 OP9309-4	nd	50.29	0.24	nd	45.52	0.70	1.76	nd			98.51
36 OP9309-5	nd	95.71	0.30	nd	nd	nd	nd	nd			96.01
37 OP9309-6	nd	18.18	nd	0.36	73.34	nd	0.27	nd			92.15
38 OP9309-7	0.19	nd	6.05	56.47	31.45	1.80	0.67	nd			96.66
39 OP9309-8	nd	51.46	0.25	nd	44.65	0.67	2.36	nd			99.39
40 OP9309-9	nd	53.54	0.77	0.68	30.49	0.27	12.84	nd			98.59
41 OP9309-10	0.15	1.77	23.98	35.94	18.39	0.24	16.41	nd			98.88
42 OP9312-1	nd	1.54	27.26	32.38	20.49	0.24	15.85	nd			97.76
43 OP9312-2	0.16	57.75	0.21	0.20	30.91	0.36	1.08	0.09			90.76
44 OP9312-3	nd	76.76	0.24	0.34	3.97	nd	nd	nd			80.91
45 OP9312-4	nd	1.97	20.89	36.26	24.44	0.28	14.68	nd			98.52
46 OP9312-5	nd	0.88	24.11	38.93	19.30	0.29	15.63	nd			99.16
47 OP9312-6	nd	2.37	21.62	37.24	21.52	0.27	15.05	nd			98.07
48 OP9312-7	nd	2.11	23.63	32.78	26.24	0.34	13.90	nd			99.00
49 OP9313-1	0.16	0.72	32.93	28.86	17.23	0.26	17.27	nd			97.43
50 OP9313-2	nd	51.53	0.24	nd	44.52	0.74	2.10	nd			99.15
51 OP9313-3	0.16	1.48	13.74	49.23	19.66	0.31	14.41	nd			98.99
52 OP9313-4	0.20	0.97	11.99	51.39	19.22	0.33	14.06	nd			98.16
53 OP9313-5	nd	49.08	0.17	nd	48.45	0.73	0.39	nd			98.82
54 OP9315-8	nd	0.33	7.94	46.31	40.31	0.48	3.33	nd			98.70
55 OP9315-9	0.15	1.16	18.19	45.67	18.10	0.32	15.63	nd			99.22
56 OP9315-10	42.81	1.27	9.11	nd	16.11	0.32	11.79	11.61			93.02
57 OP9315-11	nd	1.45	21.63	38.58	22.09	0.25	14.59	nd			98.59
58 OP9315-12	0.15	0.98	27.43	34.60	17.94	0.25	16.87	nd			98.24
59 OP9315-13	nd	3.40	21.25	35.68	22.81	0.33	14.94	nd			98.21
60 OP9315-14	0.17	59.72	0.35	0.17	28.80	0.80	0.37	0.08			90.46



SCIENTIFIC SERVICES MICROPROBE ANALYSES

OREX LABS (#0R93/007) FULL ANALYSES

PAGE: 2

SAMPLE NUMBER	SiO2	TiO2	AL2O3	CR2O3	FeO	MNO	MGO	CAO	NA2O	K2O	TOTAL
61 OP9315-15	0.19	nd	19.00	46.68	19.07	0.26	15.44	nd			96.64
62 OP9315-16	nd	1.07	18.78	46.15	16.19	0.31	15.41	nd			97.91
63 OP9315-17	0.16	0.78	30.00	32.97	16.56	0.21	17.32	nd			98.00
64 OP9315-18	nd	1.00	28.10	34.03	18.87	0.23	16.60	nd			98.53
65 OP9315-19	0.18	1.36	21.14	42.73	18.04	0.23	15.78	nd			99.48
66 OP9315-20	nd	1.08	11.11	48.89	28.75	0.62	8.28	nd			98.73
67 OP9315-21	nd	1.00	26.69	36.88	16.36	0.24	17.02	nd			98.19
68 OP9315-22	0.19	1.33	13.68	46.70	23.69	0.35	12.86	nd			98.80
69 OP9315-23	nd	1.82	17.99	43.13	21.87	0.35	13.46	nd			98.62
70 OP9315-24	0.17	1.83	21.49	39.37	20.33	0.28	15.43	nd			98.90
71 OP9315-25	nd	2.32	24.63	35.28	20.03	0.18	15.88	nd			98.33
72 OP9315-26	nd	2.48	20.11	41.42	18.46	0.23	13.73	nd			98.43
73 OP9315-27	nd	1.64	26.43	32.64	21.22	0.21	14.96	nd			97.10
74 OP9315-28	0.18	0.65	33.78	29.41	16.47	0.20	17.92	nd			98.61
75 OP9315-29	nd	1.80	13.72	48.10	20.28	0.29	14.16	nd			98.35
76 OP9315-30	nd	1.31	28.01	32.91	19.19	0.25	16.31	nd			98.18
77 OP9315-31	0.20	0.73	27.92	34.37	17.24	0.29	16.80	nd			97.73
78 OP9315-32	nd	1.01	23.18	42.35	14.88	nd	17.41	nd			98.83
79 OP9315-33	nd	51.51	0.16	nd	44.29	0.76	2.52	nd			99.24
80 OP9315-34	nd	1.74	18.74	43.98	18.06	0.30	15.29	nd			98.11
81 OP9315-35	nd	31.99	0.29	0.12	42.14	0.61	2.65	nd			97.80
82 OP9315-36	nd	0.78	30.19	33.17	16.71	0.19	16.92	nd			97.96
83 OP9315-37	nd	1.37	26.78	34.89	18.86	nd	15.96	nd			97.86
84 OP9315-38	nd	1.88	29.83	27.37	24.42	nd	15.12	nd			98.62
85 OP9315-39	nd	1.10	10.73	54.09	16.90	nd	14.53	nd			97.35
86 OP9315-40	nd	1.17	26.29	36.76	16.14	nd	16.90	nd			97.26
87 OP9315-41	nd	1.47	21.88	39.92	19.71	nd	15.08	nd			98.06
88 OP9315-42	nd	1.41	33.62	26.13	20.26	nd	16.81	nd			98.23
89 OP9315-43	nd	1.37	27.68	31.75	23.64	nd	14.65	nd			99.07
90 OP9316-1	nd	1.07	13.04	45.47	27.87	0.59	9.64	nd			97.68
91 OP9316-2	nd	1.21	18.81	47.74	31.93	0.46	6.72	nd			98.87
92 OP9316-3	nd	31.13	0.22	nd	44.69	0.43	2.36	nd			98.83
93 OP9316-4	nd	51.67	0.42	0.76	32.34	0.35	13.21	nd			98.75
94 OP9316-5	nd	59.09	0.40	nd	29.97	1.34	1.41	nd			92.21
95 OP9308-23	nd	1.18	13.77	46.52	30.51	0.38	6.18	nd			98.34
96 OP9308-24	nd	0.67	26.32	32.36	25.48	nd	13.19	nd			98.22
97 OP9308-25	nd	1.51	12.78	43.01	34.79	0.64	4.85	nd			97.58
98 OP9308-26	nd	0.81	14.46	47.74	23.94	nd	11.20	nd			98.15
99 OP9308-27	nd	1.10	12.97	43.45	32.83	0.42	5.66	nd			98.43
100 OP9308-28	nd	50.26	0.13	nd	47.66	0.77	nd	nd			98.84
101 OP9308-29	nd	0.89	13.38	48.57	28.73	0.40	6.52	nd			98.49
102 OP9308-30	nd	1.22	14.36	47.11	26.63	0.43	9.16	nd			98.93
103 OP9308-31	0.63	0.82	12.44	48.36	25.63	0.29	10.65	nd			98.84
104 OP9308-32	nd	0.69	10.89	50.70	25.77	0.28	9.47	nd			97.80
105 OP9308-33	nd	0.52	13.75	48.50	26.37	0.34	8.57	nd			98.23
106 OP9308-34	nd	49.37	0.25	nd	47.39	0.96	0.72	nd			98.89
107 OP9308-35	nd	1.69	12.81	44.97	32.36	0.49	5.66	nd			98.18
108 OP9308-36	nd	48.56	0.17	0.29	48.23	0.42	0.14	nd			97.79
109 OP9308-37	nd	0.88	15.36	46.36	27.63	0.45	8.13	nd			98.81
110 OP9308-38	nd	1.38	11.76	43.57	34.23	0.38	7.21	nd			98.33
111 OP9308-39	nd	51.09	0.13	nd	46.59	0.57	0.88	nd			99.28
112 OP9308-40	nd	0.33	14.70	49.69	21.72	0.34	10.86	nd			97.34
113 OP9308-41	nd	51.46	0.20	nd	46.29	2.24	nd	nd			100.17
114 OP9308-42	nd	32.01	0.22	nd	45.02	0.37	2.31	nd			100.13
115 OP9310-1	nd	1.72	24.61	34.97	23.06	nd	16.01	nd			98.37
116 OP9311-2	nd	1.24	26.76	35.79	18.67	0.27	16.08	nd			98.81
117 OP9311-3	nd	31.78	0.21	nd	45.27	0.60	1.74	nd			99.60
118 OP9311-4	nd	54.07	0.81	0.46	30.23	0.24	13.16	nd			98.97
119 OP9311-8	nd	30.42	0.24	nd	43.18	0.53	2.24	nd			98.61
120 OP9312-9	nd	46.36	0.17	nd	50.04	0.46	1.26	nd			98.29

SAMPLE NUMBER	SiO2	Al2O3	CR2O3	FeO	MnO	MgO	CaO	Na2O	K2O	TOIAL
121 OP9312-10	nd	1.89	33.27	24.69	22.69	0.22	15.83	nd	nd	98.59
122 OP9312-11	nd	0.42	34.27	28.15	17.74	nd	16.1	nd	nd	97.13
123 OP9312-12	nd	0.47	30.34	33.86	17.34	nd	16.32	nd	nd	98.39
124 OP9312-13	nd	1.33	30.86	28.92	21.96	0.23	15.47	nd	nd	98.79
125 OP9313-6	nd	51.40	0.24	nd	49.01	0.59	2.17	nd	nd	99.41
126 OP9313-7	nd	52.58	0.75	0.37	33.72	nd	11.32	nd	nd	98.74
127 OP9313-8	nd	49.19	0.18	nd	49.49	0.29	0.09	nd	nd	99.24
128 OP9313-9	nd	0.29	4.77	48.07	40.73	0.54	4.26	nd	nd	99.56
129 OP9313-10	nd	51.47	0.27	nd	44.39	0.51	2.34	nd	nd	98.98
130 OP9313-11	nd	0.31	34.33	29.91	14.48	nd	18.12	nd	nd	97.33
131 OP9313-12	nd	0.86	21.89	41.96	21.06	0.42	12.45	nd	nd	98.64
132 OP9313-13	nd	1.44	19.55	39.37	25.37	nd	11.58	nd	nd	98.31
133 OP9313-14	nd	0.43	24.82	41.79	14.98	nd	52	nd	nd	98.64
134 OP9313-15	nd	1.06	29.25	36.14	15.36	nd	7.64	nd	nd	99.45
135 OP9313-16	nd	1.87	26.16	34.81	19.52	nd	15.68	nd	nd	98.04
136 OP9313-17	nd	3.93	13.40	33.97	34.46	0.89	12.22	nd	nd	98.87
137 OP9313-18	nd	1.01	30.17	32.54	17.49	0.23	16.28	nd	nd	97.68
138 OP9314-1	nd	1.32	23.79	37.79	18.78	nd	15.46	nd	nd	97.14
139 OP9314-2	nd	51.11	0.23	nd	49.20	0.53	2.21	nd	nd	99.28
140 OP9314-3	nd	1.28	28.84	33.01	18.71	nd	16.24	nd	nd	98.98
141 OP9314-4	nd	51.18	0.33	nd	44.64	0.47	2.53	nd	nd	99.19
142 OP9314-5	nd	2.15	18.89	39.43	23.57	0.30	13.56	nd	nd	97.90
143 OP9315-44	nd	1.41	24.22	38.60	19.14	0.22	15.31	nd	nd	98.90
144 OP9315-45	nd	0.92	28.87	34.41	17.09	nd	16.86	nd	nd	98.15
145 OP9315-46	nd	4.06	12.06	40.16	31.21	0.32	11.00	nd	nd	98.81
146 OP9315-47	nd	1.22	28.38	33.90	18.76	nd	16.29	nd	nd	98.55
147 OP9315-48	nd	0.95	27.92	34.48	19.18	nd	15.49	nd	nd	98.02
148 OP9315-49	nd	1.06	30.60	32.30	16.76	nd	17.44	nd	nd	98.16
149 OP9315-50	nd	2.53	24.94	31.23	26.07	0.25	14.01	nd	nd	99.03
150 OP9315-51	nd	1.30	23.33	38.81	18.93	0.24	15.83	nd	nd	98.44
151 OP9315-52	nd	0.91	11.99	53.44	16.02	0.25	15.13	nd	nd	97.74
152 OP9315-53	nd	1.87	29.92	29.53	20.79	nd	13.83	nd	nd	97.94
153 OP9315-54	nd	1.03	31.30	32.17	17.13	nd	17.29	nd	nd	98.92
154 OP9315-55	nd	0.60	27.96	37.96	15.01	nd	17.47	nd	nd	99.00
155 OP9315-56	nd	1.11	12.17	53.50	17.53	nd	14.79	nd	nd	97.10
156 OP9315-57	nd	0.50	31.96	33.29	17.64	0.22	15.30	nd	nd	98.91
157 OP9315-58	40.20	0.83	10.88	nd	20.90	0.46	7.89	11.68	nd	92.84
158 OP9315-59	nd	51.04	nd	0.23	48.80	0.71	nd	nd	nd	100.78
159 OP9315-60	nd	1.20	27.39	34.01	20.05	0.21	15.88	nd	nd	98.74
160 OP9315-61	nd	1.04	27.77	37.16	16.16	nd	17.36	nd	nd	99.49
161 OP9315-62	nd	30.78	0.17	nd	47.17	0.54	1.23	nd	nd	99.89
162 OP9315-63	nd	52.13	0.19	nd	45.70	0.52	2.16	nd	nd	100.70
163 OP9315-64	nd	51.14	0.63	0.72	33.05	0.22	10.74	nd	nd	98.50
164 OP9315-65	nd	52.10	0.21	nd	44.57	0.46	2.81	nd	nd	100.13
165 OP9315-66	nd	51.41	0.17	nd	45.64	0.59	1.67	nd	nd	99.48
166 OP9315-67	nd	1.32	32.55	26.94	22.91	nd	13.51	nd	nd	99.23
167 OP9315-68	nd	1.03	39.20	22.11	18.66	nd	17.51	nd	nd	98.53
168 OP9317-2	nd	1.31	30.85	31.48	18.47	nd	16.40	nd	nd	98.51
169 OP9317-3	nd	48.72	nd	0.15	48.41	1.48	nd	nd	nd	98.76
170 OP9317-4	nd	0.86	31.77	31.93	17.06	nd	17.38	nd	nd	99.00
171 OP9317-5	nd	50.84	0.18	nd	39.62	0.76	0.83	nd	nd	92.23
172 OP9317-6	nd	1.85	20.17	41.56	20.27	0.21	14.77	nd	nd	98.83
173 OP9317-7	nd	1.20	26.00	35.57	18.93	nd	15.90	nd	nd	97.60
174 OP9317-8	nd	1.30	27.03	34.02	19.30	nd	16.01	nd	nd	97.66
175 OP9317-9	nd	2.18	26.12	30.72	23.39	0.22	15.55	nd	nd	98.18
176 OP9317-10	nd	0.67	34.33	29.85	15.60	nd	18.09	nd	nd	98.54
177 OP9317-11	nd	0.94	24.08	41.54	15.87	nd	17.05	nd	nd	99.48
178 OP9317-12	nd	1.34	32.28	28.91	19.69	nd	16.83	nd	nd	99.02
179 OP9317-13	nd	51.71	0.24	nd	44.81	0.51	3.05	nd	nd	100.32
180 OP9308-43	nd	50.72	0.22	0.13	45.15	0.51	2.98	nd	nd	99.71

	SAMPLE NUMBER	SiO2	TiO2	AL2O3	CR2O3	FeO	MNO	MGO	CAO	NA2O	K2O	TOTAL
181	OP9308-44	nd	0.59	10.67	49.37	32.51	0.88	4.95	nd			98.97
182	OP9308-45	nd	0.25	13.30	51.63	25.16	0.49	7.68	nd			98.51
183	OP9308-46	nd	80.27	nd	nd	46.85	1.23	0.60	nd			98.73
184	OP9308-47	nd	81.39	0.19	nd	44.78	0.91	2.67	nd			99.36
185	OP9308-48	nd	54.27	0.30	0.71	30.16	0.26	15.44	nd			99.14
186	OP9308-49	nd	51.28	0.20	nd	45.27	0.62	2.29	nd			99.66
187	OP9312-14	nd	1.17	32.60	28.56	20.11	nd	16.09	nd			98.33
188	OP9314-6	nd	0.27	4.84	57.72	29.38	0.44	6.39	nd			99.04
189	OP9317-14	nd	1.88	27.42	31.25	23.21	nd	14.44	nd			98.20
190	OP9317-15	nd	3.43	13.34	44.38	21.83	nd	11.91	nd			96.89
191	OP9317-16	nd	0.99	32.25	30.78	16.75	nd	17.43	nd			98.20
192	OP9317-17	nd	0.33	3.77	58.85	29.60	0.47	6.22	nd			99.04
193	OP9317-18	nd	0.96	33.50	31.01	15.81	nd	17.85	nd			99.13
194	OP9317-19	nd	1.12	28.52	34.17	17.37	nd	16.71	nd			97.89

CONSULTING ANALYTICAL LABORATOR

TO: <u>Will Troup</u>	FROM: <u>Kristina Wallace</u>	DATE: <u>4/23/94</u>
FAX #: <u>916 823-2881</u>	FAX #: <u>604 451-7586</u>	PHONE #: <u>604 451-7577 5</u>

FAX	TO: <u>Orex</u>
FAX NO: <u>916 604 451-7586</u>	PAGE: <u>01</u> OF: <u>04</u>
ATTENTION OF: <u>Hank Mainwaring</u>	
FROM: <u>Paul Zweistra</u>	DATE: <u>21/3/94</u>
COMPANY: _____	
FAX NO: _____	Post-It Notes from SM

Report

ON THE RECOVERY OF ADDITIONAL INDICATORS FROM THE REMAINING CONCENTRATES SUBMITTED UNDER ORDER OR93/007/1 (ALX-13-B2)

By

Paul Zweistra

Prepared for:

Orex Laboratories Ltd
6331 Beresford St.
Burnaby, BC
CANADA
V5E 1B3

31 March 1994

INTRODUCTION

Thirteen pre-concentrated samples were submitted for kimberlitic indicator mineral recovery in late November, 1993. Only 25g of each samples was picked for indicators initially (see report dated 18 January, 1994). This report documents the picking of the remaining concentrates as requested.

Details of sample weights, indicators recovered and surface texture details are given in Tables 1 to 3, respectively.

Table 1: Breakdown of Sample Weights

Sample	Conc Wt	Mag Wt
OP93-09	24.19	0.79
OP93-08	22.96	1.75
OP93-10	33.52	1.02
OP93-11	214.23	9.21
OP93-12	45.66	2.69
OP93-13	87.57	1.48
OP93-14	46.39	2.04
OP93-15	6.10	2.47
OP93-16	69.71	2.51
OP93-17	78.06	3.57
PM-1	60.93	2.67
WR-1	90.11	8.39
WR-2	14.42	0.08

Table 2: Breakdown of Indicators Recovered

Sample	Screen	Gar	Ilm	Chr
OP93-08	300	1		30
	435	2		30
	710		3	9
OP93-09	300			5
	435		2	3
OP93-10	300			14
	435		1	4
OP93-11	300			24
	425			30
	710			25

Table 2. Breakdown of Indicators Recovered

Sample	Screen	Gar	Ilm	Chr
OP93-12	300	1		
	435			20
OP93-13	300			25
	435			23
OP93-14	710			1
	300			15
	435			25
OP93-15	710			5
	300			24
	435			30
OP93-16	710			20
	300			20
	435			25
OP93-17	710			4
	300			30
	435			30
PM-1	710			10
	300	1		13
WR-1	300	3		30
	425	1		30
	710			15
WR-2	300			2

Samples not listed in Table 2 are Barren of kimberlitic indicator minerals.

All of the garnets and ilmenites were analysed. A selection of fifteen chromites had their surface textures characterised and were also analysed. Full Analyses and a chromite XY plot are appended.

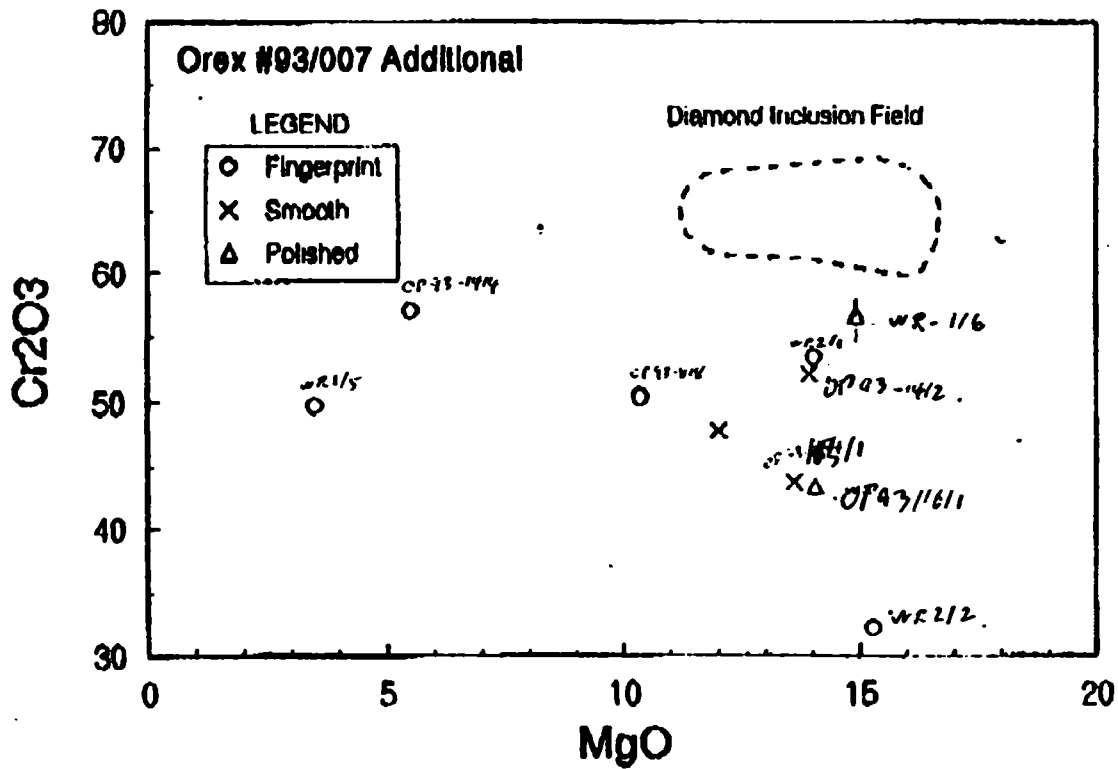
Table 3: Correlation Between Analyses and Surface Textures

Analysis	Stext
16-18	FP
19-20	S
21-22	P
23	FP
24-26	S
27-28	P
29	FP
30	P

FP = "fingerprint"
 S = "smooth"
 P = "polished"

SAMPLE NUMBER	SI02	TI02	AL2O3	CR2O3	FEO	MNO	MGO	CAO	Texture		TOTAL
									MA30	W30	
1 OP-93-08/1	nd	nd	46.96	nd	6.96	0.47	1.69	nd			56.08
2 OP-93-12/1	41.72	nd	20.44	5.19	7.52	0.36	19.67	5.68			100.56
3 PH-1/1	nd	nd	43.63	nd	6.60	0.94	0.10	nd			50.87
4 WR-1/1	41.80	nd	21.17	4.01	8.18	0.29	19.67	5.53			100.65
5 WR-1/2	36.75	nd	20.95	nd	15.12	26.35	0.67	0.72			100.56
6 WR-1/3	nd	nd	47.85	nd	11.82	0.27	0.75	nd			60.69
7 OP93-08/2	nd	nd	46.86	nd	7.94	0.60	1.48	nd			56.08
8 OP93-08/3	42.41	nd	20.96	4.01	6.51	0.24	21.97	5.47			101.57
9 WR-1/4	41.52	nd	21.89	3.22	9.62	0.57	19.05	5.44			101.31
10 OP93-09/1	nd	52.09	0.28	nd	45.07	0.49	2.89	nd			100.82
11 OP93-09/2	nd	52.09	0.27	nd	45.51	0.91	2.78	nd			101.06
12 OP93-10/1	nd	1.04	24.51	38.72	19.16	nd	15.75	nd			99.18
13 OP93-08/4	nd	51.87	0.24	nd	45.49	0.50	2.35	nd			100.45
14 OP93-08/5	nd	51.47	0.33	nd	44.87	0.46	3.41	nd			100.54
15 OP93-08/6	nd	57.30	0.90	0.77	25.71	0.24	16.31	nd			100.89
16 WR-1/5	nd	0.17	4.69	49.70	40.09	0.67	3.48	nd	F		98.80
17 WR-2/1	nd	nd	15.27	53.32	19.83	0.30	14.04	nd	F		98.78
18 WR-2/2	nd	2.19	23.94	32.27	24.99	nd	15.27	nd	F		98.66
19 OP93-14/1	nd	1.69	14.52	47.76	23.60	0.48	12.02	nd	H		99.07
20 OP93-17/1	nd	1.41	31.96	28.85	21.29	0.27	16.62	nd	H		100.00
21 OP93-08/7	nd	0.58	36.31	27.75	15.41	nd	18.86	nd	P		98.91
22 OP93-16/1	nd	1.23	16.73	43.18	23.43	0.51	14.05	nd	P		98.93
23 OP93-08/8	nd	0.88	13.76	50.39	24.08	0.41	10.36	nd	FP		99.88
24 OP93-16/2	nd	1.49	12.13	31.97	19.77	0.26	13.93	nd	S		99.55
25 OP93-15/1	0.17	1.42	16.38	43.57	23.80	0.26	13.60	nd	S		99.20
26 OP93-16/1	nd	2.84	24.98	29.65	28.92	0.27	12.53	nd	S		98.79
27 OP93-14/3	nd	51.46	0.20	nd	48.32	0.56	nd	nd	S		100.54
28 WR-1/6	nd	nd	12.29	56.47	15.22	0.25	14.93	nd	P		99.16
29 OP93-14/4	nd	nd	1.30	36.91	34.30	0.66	5.49	nd	FP		98.66
30 OP93-14/5	nd	50.36	0.33	nd	48.64	0.56	0.19	nd	P		100.08

Fig.1: Chromite Compositions





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CONSULTING ANALYTICAL LABORATORS

FAX NO.	TO: Bill TROUP	FROM: KRISTINA WARD	DATE: 1/1
	FAX #: 905 897 0669	FAX #: 604 951-7588	PAGES INCLUDING THIS PAGE:

FAX	TO: Orex Labs
FAX NO: 616 624 451-7588	PAGE: 01 OF: 03
ATTENTION OF: E. Sisk	
FROM: P. Zwart	DATE: 22/4/94
COMPANY:	
FACSIM: 604 951-7588	PostNet

Report

ON THE RECOVERY OF KIMBERLITIC INDICATORS FROM PRE-CONCENTRATED SAMPLES SUBMITTED UNDER ORDER CR94/001 (ALX-19/30-B1)

Prepared for

**OREX LABORATORIES
6331 Beresford Str
Burnaby, B.C.
CANADA V5E 1B3**

22 April 1994



INTRODUCTION

Nineteen pre-concentrated samples were submitted in mid-January for the recovery of kimberlitic indicator minerals. The samples were processed as outlined below in January and April 1994.

LABORATORY PROCEDURE

The samples are weighed on arrival (KP & KN fractions), demagnetised, and subsequently examined under a binocular microscope to recover any kimberlitic indicators present.

Details of Samples weights and indicators recovered are given in Tables 1 and 2, respectively.

Table 1: Breakdown of Sample Weights

Sample	Wt Recvd g	Mag Wt g
BR93-1	694.47	38.09
BR93-2	95.34	3.08
BR93-3	95.60	13.44
BR93-4	108.13	11.91
BR93-5	55.11	6.44
ELA93-1	878.78	79.50
ELA93-2	61.06	5.26
LA93-1	18.59	2.25
LA93-2	22.66	2.08
LA93-3	11.70	1.26
LA93-4	53.68	4.99
LA93-5	21.33	2.93
LA93-6	27.43	2.09
LA93-7	37.41	2.39
OP93-1	28.13	2.69
OP93-2	61.64	4.67
OP93-3	142.35	11.65
OP93-4	60.38	5.27
OP93-5	286.98	25.52



Table 2: Breakdown of Indicators Recovered



Sample	Screen	Gar	Ilm	Chr	CrDi
BR93-1	425	③	③0	②1	
	710		1		
BR93-3	425		5	2	
-4	425		7	3	
ELA93-1	425	②	1		
-2	425	②			
LA93-3	425				2
-2	425				1
-4	425		1	1	
-5	425	①	2	1	
-6	425		1	1	
OP93-1	425	①	1		
-3	425		5		

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9 54 29 3

95

Samples not listed in Table 2 are barren of kimberlitic indicator minerals.

ISS

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CONSULTING ANALYTICAL LABORATORIES

Bill Trump

FAX TO: Orex Labs
FAX NO: 091 604 451 5258 PAGE: 01 OF: 03
ATTENTION OF: Hank Meiner
FROM: Paul Zuziv DATE: 26/5/94
COMPANY: _____
FAX NO: _____ **Post-It** Notes from 3M

Report

ON THE ANALYSES OF POTENTIAL KIMBERLITIC INDICATORS RECOVERED
FROM SAMPLES SUBMITTED PER ORDER OR94/001 (ALX-19/30-B1)

Prepared for

OREX LABORATORIES
6331 Beresford Str
Burnaby, B.C.
CANADA V5E 1B3

26 May 1994

SCIENTIFIC SERVICES MICROPROBE ANALYSES

OREX 94/001

PAGE: 1

SAMPLE NUMBER	SI02	TIO2	AL2O3	CR2O3	FEO	MNO	MGO	CAO	NA2O	K2O	TOTAL
1 BR93.1-1	41.09	nd	19.38	5.86	8.31	0.36	17.84	6.78			99.62
2 BR93.1-2	40.75	nd	21.10	3.41	8.86	0.57	17.97	5.73			98.39
3 BR93.1-3	41.36	nd	21.47	3.48	8.17	0.46	18.83	5.60			99.37
4 ELA93.1-1	41.34	nd	22.31	2.43	8.58	0.44	19.83	5.13			100.08
5 ELA93.1-2	39.82	0.24	15.68	10.07	7.73	0.44	17.00	7.79			98.77
6 ELA93.2-1	41.39	nd	19.95	5.22	6.52	0.32	20.52	5.39			99.51
7 ELA93.2-2	40.29	0.65	17.25	7.45	7.11	0.28	19.15	6.26			98.44
8 LA93.3-1	37.27	nd	21.66	nd	37.55	0.39	3.61	0.55			101.03
9 OP93.1-1	38.22	0.10	21.58	0.00	25.87	1.29	7.25	6.11	nd		100.50
10 LA93.3-1	52.58	nd	1.53	0.73	6.03	0.21	14.70	22.48	0.83	nd	99.06
11 LA93.3-2	51.84	0.17	3.18	1.11	3.76	nd	16.20	23.15	0.34	nd	99.75
12 LA93.2-1	53.13	0.13	1.11	0.95	4.61	nd	15.04	22.59	1.24	nd	98.80
13 BR93.1-4	nd	47.25	0.72		42.07	0.48	6.05	nd			96.57
14 BR93.1-5	nd	50.82	0.28		44.59	0.44	2.07	nd			98.20
15 BR93.1-6	nd	48.38	0.35		46.79	0.44	3.22	nd			97.32
16 BR93.1-7	nd	51.97	0.26			0.72	2.56	nd			100.68
17 BR93.1-8	nd	55.50	0.11		41.55	0.26	7.57	nd			100.03
18 BR93.1-9	nd	49.55			47.93	0.49	2.33	nd			96.55
19 BR93.1-10	nd	50.77			45.52	0.66	1.56	nd			98.94
20 BR93.1-11	nd	51.79	0.17		44.78	0.62		nd			99.62
21 BR93.1-12	nd	51.83	0.22		45.76	0.60		nd			99.89
22 BR93.1-13	nd	54.65	0.45		30.48	0.29		nd			99.95
23 BR93.1-14	nd	51.24	0.31		49.18	0.46		nd			99.44
24 BR93.1-15	nd	50.97	0.10		44.66	0.71	1.60	nd			98.36
25 BR93.1-16	nd	51.07	0.32		29.58	0.49	6.62	nd			98.93
26 BR93.1-17	nd	51.39	0.27		44.95	0.59		nd			99.46
27 BR93.1-18	nd	51.42	0.25		43.35	0.50		nd			97.13
28 BR93.1-19	nd	49.69	0.28		46.36	0.56		nd			98.68
29 BR93.1-20	nd	1.11	7.53	45.97	35.46	0.47	6.64	nd			98.18
30 BR93.1-21	nd	49.68	0.25		45.84	0.56	1.25	nd			97.58
31 BR93.1-22	nd	48.24	0.66		39.67	0.32	9.19	nd			98.08
32 BR93.1-23	nd	50.72	0.33		44.42	0.57	2.39	nd			98.41
33 BR93.1-24	nd	48.57	0.66		40.79	0.51	7.51	nd			98.15
34 BR93.1-25	nd	48.63	0.69		41.23	0.57	7.78	nd			98.78
35 BR93.1-26	nd	47.23	0.68		41.35	0.29	7.22	nd			96.78
36 BR93.1-27	nd	48.93	0.34		41.21	0.58	7.09	nd			97.07
37 BR93.1-28	nd	51.15	0.36		41.74	0.62	2.89	nd			98.96
38 BR93.1-29	nd	49.32	0.23		41.11	0.65	2.41	nd			98.32
39 BR93.1-30	nd	49.32	0.62		41.05	0.51	5.89	nd			99.04
40 BR93.1-31	nd	50.39	0.26		41.74	0.51	2.77	nd			97.99
41 BR93.1-32	nd	47.85	0.36		41.07	0.43	7.37	nd			99.01
42 BR93.1-33	nd	51.27	0.27		43.92	0.50	1.77	nd			99.05
43 BR93.3-1	nd	45.20	0.69		44.10	0.21	1.47	nd			97.63
44 BR93.3-2	nd	51.72	0.26		45.32	0.51	1.57	nd			99.61
45 BR93.3-3	nd	54.10	0.48		28.04	0.51	1.61	nd			99.28
46 BR93.3-4	nd	55.52	0.52		27.46	0.51	1.61	nd			99.57
47 BR93.3-5	nd	52.19	0.25		41.07	0.51	1.61	nd			98.94
48 BR93.4-1	nd	52.29	0.54		31.45	0.51	1.61	nd			99.48
49 BR93.4-2	nd	47.18	0.78		41.07	0.51	1.61	nd			97.33
50 BR93.4-3	nd	50.52	0.54		41.07	0.51	1.61	nd			98.35
51 BR93.4-4	nd	51.55	0.54		41.07	0.51	1.61	nd			98.99
52 BR93.4-5	nd	1.09	15.18		41.07	0.51	1.61	nd			96.68
53 BR93.4-6	nd	50.98	0.24		41.07	0.51	1.61	nd			98.03
54 BR93.4-7	nd	0.44	13.16		41.07	0.51	1.61	nd			95.29
55 ELA93.1-3	nd	50.64	0.28		41.07	0.51	1.61	nd			98.55
56 LA93.4-1	nd	50.43	0.27		41.07	0.36	10.47	nd			99.10
57 LAP3.5-2	nd	51.39	0.31		41.07	0.59	2.14	nd			99.78
58 LA93.5-3	nd	53.79	0.43		31.61	0.25	1.61	nd			99.53
59 LA93.6-1	nd	53.79	0.43		31.61	0.28	1.61	nd			99.93
60 OP93.1-2	nd	51.19	0.31		41.07	0.55	2.14	nd			99.80

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SCIENTIFIC SERVICES MICROPROBE ANALYSES

OREX 94/001

PAGE: 2

SAMPLE NUMBER	SI02	TIO2	AL2O3	CR2O3	FeO	MNO	MGO	CAO	NA2O	K2O	TOTAL
61 OP93.3-1	nd	48.28	0.83	0.17	41.56	0.27	8.33	nd			99.44
62 OP93.3-2	nd	50.41	0.60	0.23	38.78	0.29	8.67	nd			98.98
63 OP93.3-3	nd	50.98	0.26	nd	45.09	0.65	2.23	nd			99.21
64 OP93.3-4	nd	51.38	0.26	nd	44.39	0.48	2.23	nd			98.74
65 OP93.3-5	nd	30.36	0.62	0.23	39.62	0.36	8.76	nd			99.95
66 BR93.1-34	nd	48.65	0.98	nd	41.94	0.47	7.77	nd			99.36
67 BR93.1-35	nd	0.37	15.28	51.69	19.64	0.34	12.41	nd			99.73
68 BR93.1-36	nd	0.47	14.89	50.93	20.40	0.37		nd			98.94
69 BR93.1-37	nd	0.96	12.69	47.23	27.33	0.39		nd			98.42
70 BR93.1-38	nd	0.73	11.70	51.45	23.98	0.39		nd			98.71
71 BR93.1-39	nd	1.08	19.86	36.49	32.57	0.37		nd			98.58
72 BR93.1-40	nd	0.72	12.88	51.85	21.08	0.32	11.63	nd			98.49
73 BR93.1-41	0.12	0.40	12.07	49.07	28.34	0.53	7.44	nd			97.97
74 BR93.1-42	0.13	0.29	14.11	53.97	16.47	0.34	13.17	nd			98.48
75 BR93.1-43	nd	0.98	11.47	49.75	25.20	0.36	10.28	nd			98.04
76 BR93.1-44	nd	1.06	14.46	48.47	22.14	0.30	11.94	nd			98.37
77 BR93.1-45	nd	0.31	11.77	53.25	22.01	0.28	11.18	nd			98.80
78 BR93.1-46	nd	1.83	10.43	49.39	27.34	0.39	9.12	nd			98.50
79 BR93.1-47	nd	0.96	12.74	45.19	33.56	0.43	6.42	nd			99.30
80 BR93.1-48	nd	4.57	10.31	40.54	33.35	0.36	9.18	nd			98.31
81 BR93.1-49	nd	0.39	13.98	50.85	24.30	0.44	9.60	nd			99.56
82 BR93.1-50	nd	1.30	14.53	45.70	24.81	0.33	11.24	nd			97.91
83 BR.93.1 CR-51	nd	51.14	0.29	nd	46.58	0.75	0.43	nd			99.19
84 BR.93.1 CR-52	nd	1.99	12.69	43.32	31.13	0.49	7.38	nd			97.00
85 BR.93.1 CR-53	nd	1.23	12.02	43.40	32.02	0.37	6.84	nd			95.88
86 BR.93.1 CR-54	nd	1.62	3.33	48.09	38.29	0.60	5.28	nd			97.20
87 BR.93.1 CR-55	nd	1.51	11.82	47.53	26.67	0.26	9.75	nd			97.54
88 BR.93.3 CR-6	nd	0.99	11.02	46.51	29.15	0.37	8.07	nd			97.01
89 BR.93.3 CR-7	nd	1.37	11.25	45.00	32.63	0.44	7.10	nd			97.87
90 BR.93.4 CR-8	nd	0.83	14.79	45.37	25.41	0.25	11.29	nd			98.14
91 BR.93.4 CR-9	nd	0.22	15.23	49.07	21.62	0.24	11.86	nd			98.24
92 BR.93.4 CR-10	nd	0.29	12.21	49.40	27.75	0.35	7.90	nd			97.90
93 LA.93.4 CR-2	0.14	0.18	12.85	51.26	24.19	0.95	8.30	nd			97.87
94 LA.93.5 CR-4	nd	0.15	10.31	52.79	23.77	0.40	10.48	nd			97.90



SCIENTIFIC SERVICES MICROPROBE ANALYSES

OREX 94/001

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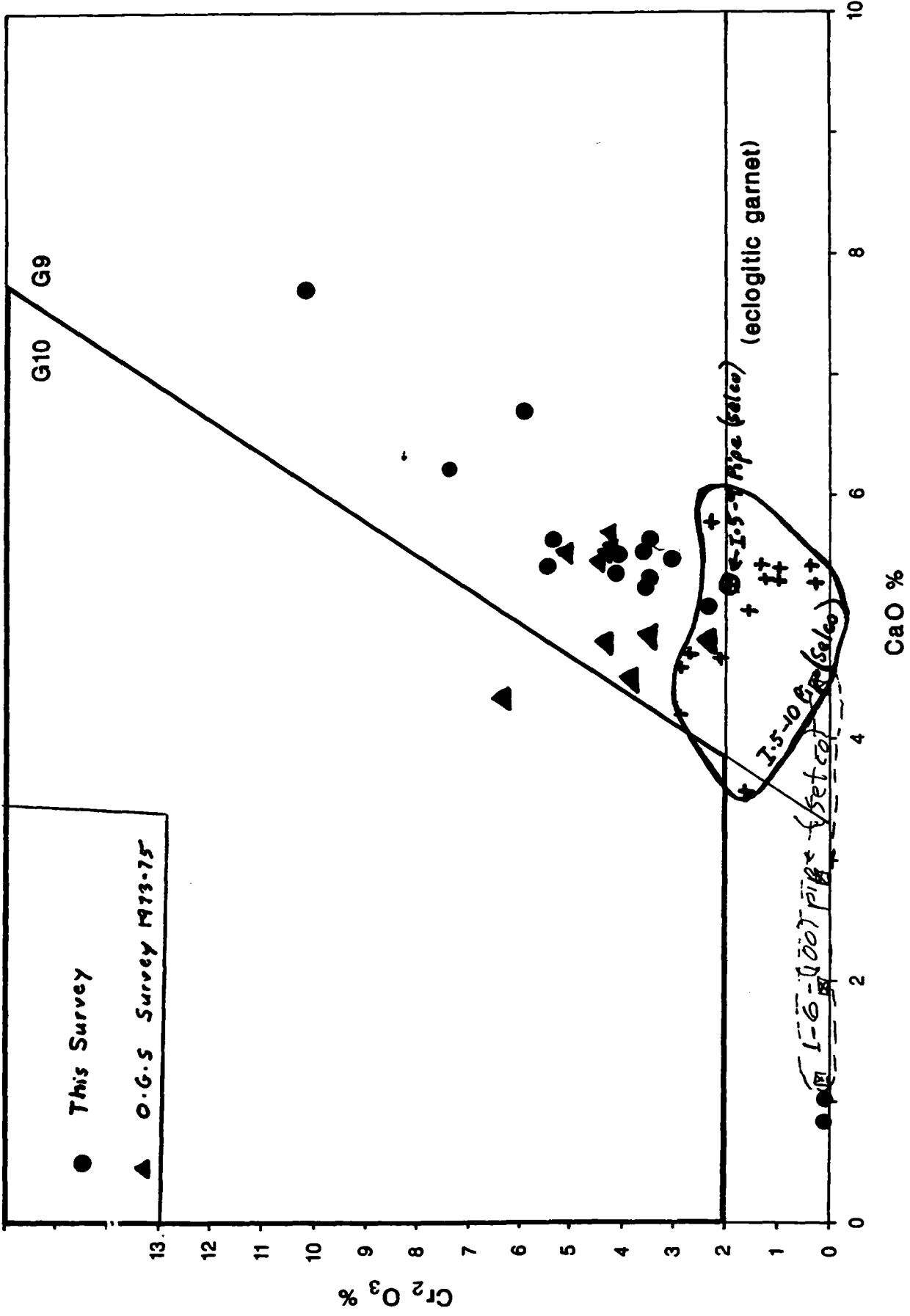
SAMPLE NUMBER	SiO2	TiO2	AL2O3	CR2O3	FeO	MnO	MgO	CaO	Na2O	K2O	TOTAL
61 OP93.3-1	nd	48.28	0.83	0.17	41.86	0.27	8.33	nd			99.66
62 OP93.3-2	nd	50.41	0.60	0.23	38.78	0.29	8.67	nd			98.98
63 OP93.3-3	nd	50.98	0.26	nd	43.09	0.65	2.23	nd			99.21
64 OP93.3-4	nd	51.38	0.26	nd	44.39	0.48	2.23	nd			98.74
65 OP93.3-5	nd	50.36	0.62	0.23	39.62	0.36	8.76	nd			99.95
66 BR93.1-34	nd	48.65	0.58	nd	41.94	0.67	7.77	nd			99.36
67 BR93.1-35	nd	0.37	15.28	51.69	19.64	0.34	12.41	nd			99.73
68 BR93.1-36	nd	0.47	14.89	50.93	20.40	0.37	12.55	nd			98.54
69 BR93.1-37	nd	0.96	12.69	47.23	27.33	0.39		nd			98.42
70 BR93.1-38	nd	0.73	11.70	51.65	23.98	0.39		nd			98.71
71 BR93.1-39	nd	1.08	19.86	36.49	32.57	0.37	5.11	nd			98.58
72 BR93.1-40	nd	0.72	12.88	51.85	21.08	0.32	12.53	nd			98.49
73 BR93.1-41	0.12	0.40	12.07	49.07	28.34	0.53	7.44	nd			97.97
74 BR93.1-42	0.13	0.29	14.11	53.97	16.47	0.34	13.17	nd			98.48
75 BR93.1-43	nd	0.98	11.47	49.75	25.20	0.36	10.28	nd			98.04
76 BR93.1-44	nd	1.06	14.46	48.47	22.14	0.30	11.94	nd			98.37
77 BR93.1-45	nd	0.31	11.77	53.25	22.01	0.28	11.18	nd			98.80
78 BR93.1-46	nd	1.83	10.43	49.39	27.34	0.39	9.12	nd			98.50
79 BR93.1-47	nd	0.96	12.74	45.19	33.56	0.43	6.42	nd			99.30
80 BR93.1-48	nd	4.57	10.31	40.54	33.35	0.36	9.18	nd			98.31
81 BR93.1-49	nd	0.39	13.98	50.85	24.30	0.44	9.60	nd			99.56
82 BR93.1-50	nd	1.30	14.53	45.70	24.81	0.33	11.24	nd			97.91
83 BR.93.1 CR-51	nd	51.14	0.29	nd	46.58	0.75	0.43	nd			99.19
84 BR.93.1 CR-52	nd	1.99	12.69	43.32	31.13	0.49	7.38	nd			97.00
85 BR.93.1 CR-53	nd	1.23	12.02	43.40	32.02	0.37	6.84	nd			95.88
86 BR.93.1 CR-54	nd	1.62	3.33	48.00	38.29	0.60	5.28	nd			97.20
87 BR.93.1 CR-55	nd	1.51	11.82	47.53	26.67	0.26	9.75	nd			97.54
88 BR.93.3 CR-6	nd	0.99	11.92	46.51	29.15	0.37	8.07	nd			97.01
89 BR.93.3 CR-7	nd	1.37	11.25	45.00	32.63	0.44	7.10	nd			97.87
90 BR.93.4 CR-8	nd	0.83	14.79	45.57	25.41	0.25	11.29	nd			98.14
91 BR.93.4 CR-9	nd	0.22	15.23	49.07	21.62	0.24	11.86	nd			98.24
92 BR.93.4 CR-10	nd	0.29	12.21	49.40	27.75	0.35	7.90	nd			97.90
93 LA.93.4 CR-2	0.14	0.18	12.85	51.26	24.19	0.95	8.30	nd			97.87
94 LA.93.5 CR-4	nd	0.15	10.31	52.79	23.77	0.40	10.48	nd			97.90

SAMPLE NUMBER	SiO2	TI02	AL2O3	CR2O3	FeO	MNO	MGO	CAO	NA2O	K2O	TOTAL
61 OP93.3-1	nd	48.28	0.83	0.17	41.56	0.27	8.33	nd			99.44
62 OP93.3-2	nd	50.41	0.60	0.23	38.78	0.29	6.67	nd			98.98
63 OP93.3-3	nd	50.98	0.26	nd	45.09	0.65	2.23	nd			99.21
64 OP93.3-4	nd	51.38	0.26	nd	44.39	0.48	2.23	nd			98.74
65 OP93.3-5	nd	50.36	0.62	0.23	39.62	0.36	8.76	nd			99.95
66 BR93.1-34	nd	48.65	0.58	nd	41.94	0.42	7.77	nd			99.36
67 BR93.1-35	nd	0.37	15.28	51.69	19.64	0.34	12.41	nd			99.73
68 BR93.1-36	nd	0.47	14.89	50.93	20.40	0.37	11.48	nd			98.54
69 BR93.1-37	nd	0.96	12.69	47.25	27.33	0.39	9.80	nd			98.42
70 BR93.1-38	nd	0.73	11.70	51.46	23.98	0.39	10.65	nd			98.71
71 BR93.1-39	nd	1.08	19.86	36.49	32.57	0.37	8.21	nd			98.58
72 BR93.1-40	nd	0.72	12.88	51.86	21.08	0.32	11.63	nd			98.49
73 BR93.1-41	0.12	0.40	12.07	49.07	28.34	0.53	7.44	nd			97.97
74 BR93.1-42	0.13	0.29	14.11	53.97	16.47	0.34	13.17	nd			98.48
75 BR93.1-43	nd	0.98	11.47	49.75	25.20	0.36	10.28	nd			98.04
76 BR93.1-44	nd	1.06	14.46	48.47	22.14	0.30	11.94	nd			98.37
77 BR93.1-45	nd	0.31	11.77	53.25	22.01	0.28	11.18	nd			98.80
78 BR93.1-46	nd	1.83	10.43	49.39	27.34	0.39	9.12	nd			98.50
79 BR93.1-47	nd	0.96	12.74	45.19	33.56	0.43	6.42	nd			99.30
80 BR93.1-48	nd	4.57	10.31	40.54	33.35	0.36	9.18	nd			98.31
81 BR93.1-49	nd	0.39	13.98	50.85	24.30	0.44	9.60	nd			99.56
82 BR93.1-50	nd	1.30	14.53	45.70	24.81	0.33	11.24	nd			97.91
83 BR.93.1 CR-51	nd	51.14	0.29	nd	46.58	0.75	0.43	nd			99.19
84 BR.93.1 CR-52	nd	1.99	12.69	43.32	31.13	0.49	7.38	nd			97.00
85 BR.93.1 CR-53	nd	1.23	12.02	43.40	32.09	0.37	6.84	nd			95.88
86 BR.93.1 CR-54	nd	1.62	3.11		35.11	0.64	5.28	nd			97.20
87 BR.93.1 CR-55	nd	1.51				0.26	2.75	nd			97.54
88 BR.93.3 CR-6	nd	0.99	11.11		27.13	0.37	8.51	nd			97.01
89 BR.93.3 CR-7	nd	1.37	11.21	45.00	32.00	0.44	7.10	nd			97.87
90 BR.93.4 CR-8	nd	0.83	9.79	45.57	25.41	0.25		nd			98.14
91 BR.93.4 CR-9	nd	0.22	15.23	49.07	21.62	0.24		nd			98.24
92 BR.93.4 CR-10	nd	0.29	12.21	49.40	27.75	0.35	7.60	nd			97.90
93 LA.93.4 CR-2	0.14	0.18	12.85	51.26	24.19	0.95	8.30	nd			97.87
94 LA.93.5 CR-4	nd	0.15	10.31	52.79	23.77	0.40	10.48	nd			97.90

APPENDIX 1C

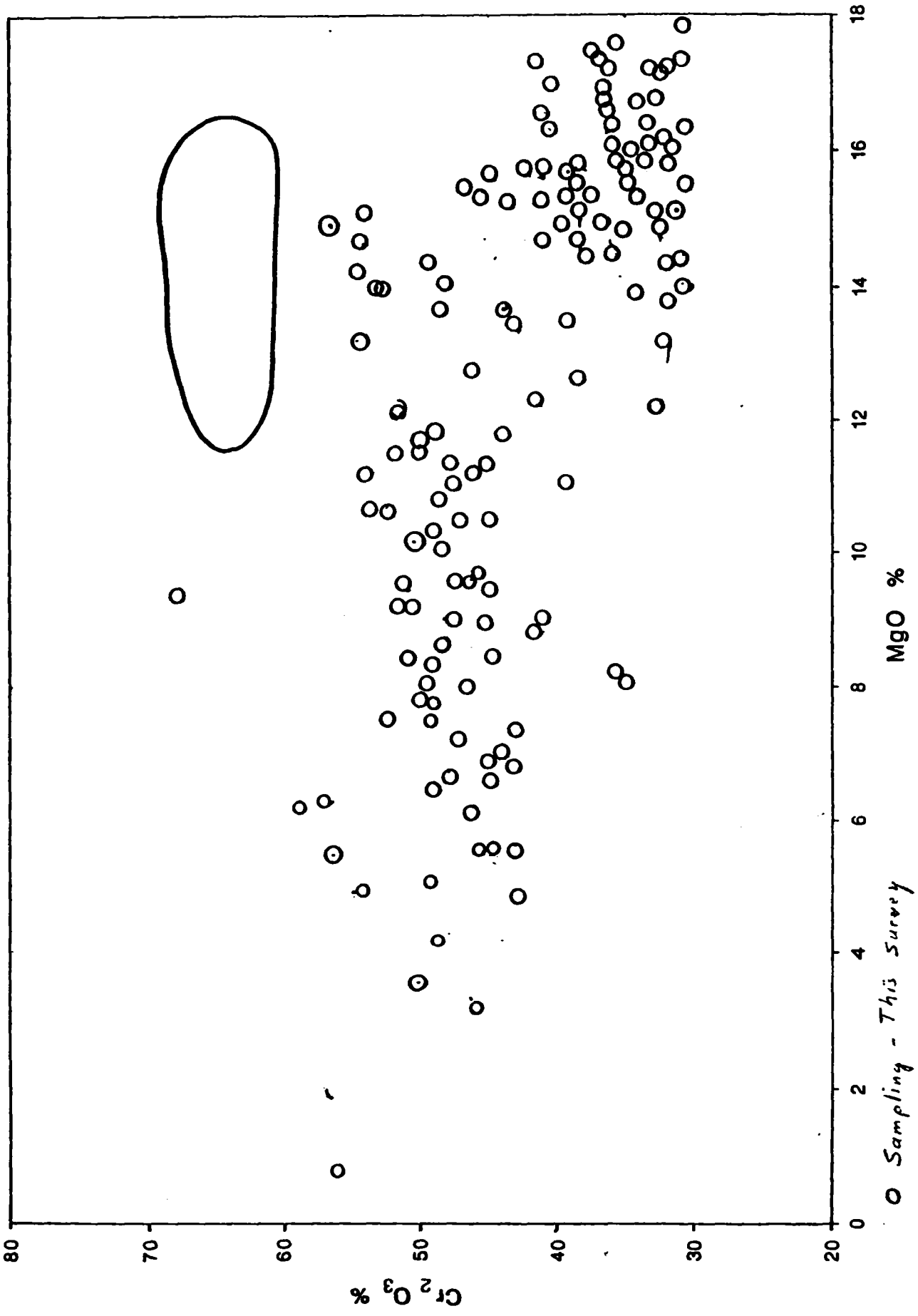
**PLOTS OF MINERAL CHEMISTRY FOR INDICATORS—THIS SURVEY
&
PREVIOUS SURVEYS**

Indicator mineral composition plot -
PYROPE GARNET



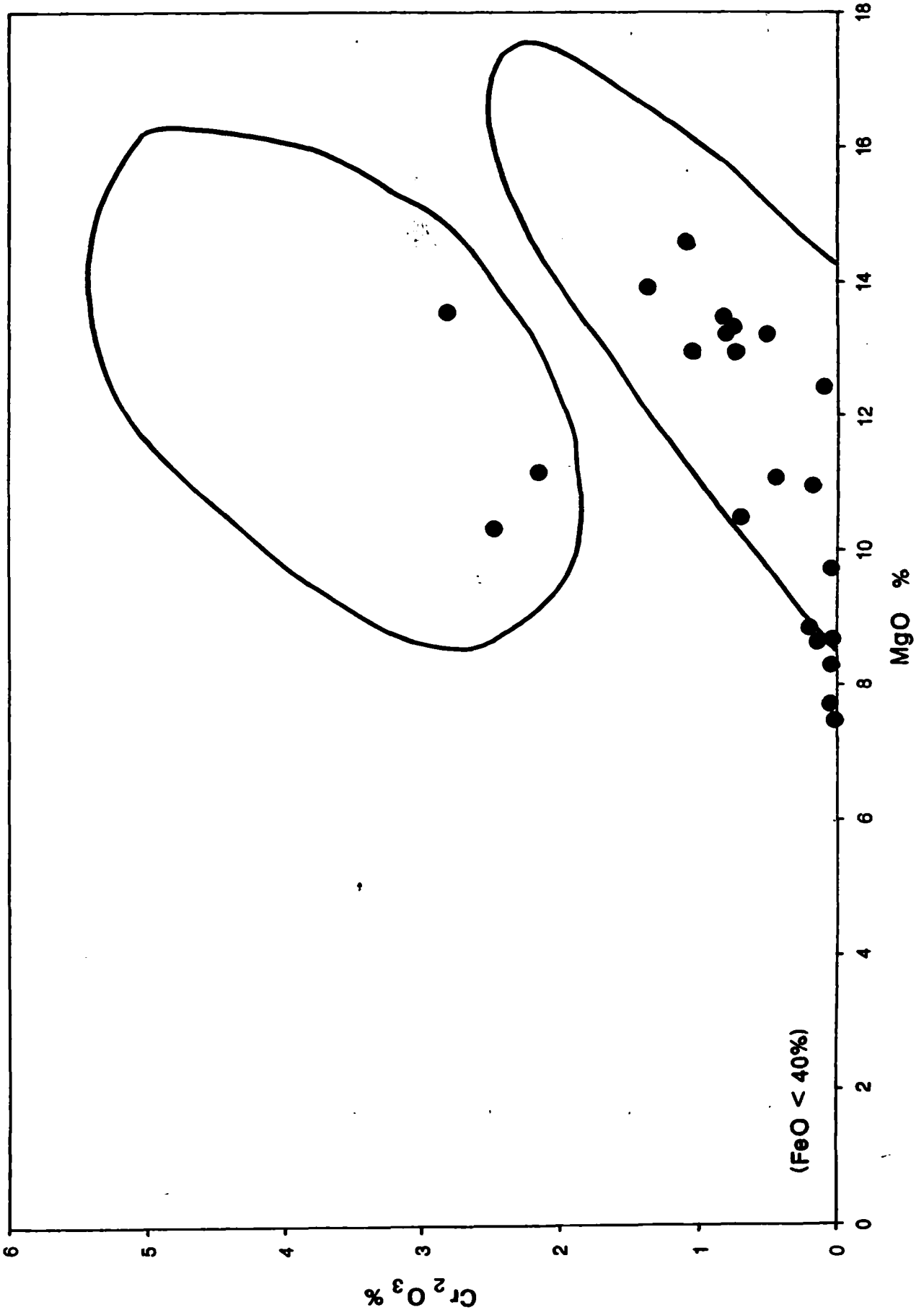
**Indicator mineral composition plot -
CHROMITE**

 preferred composition



**Indicator mineral composition plot -
ILMENITE**

 preferred composition



APPENDIX 2

DATA COMPILATION MAP WITH GEOCHEMICAL SAMPLE SITES INDICATED

APPENDIX 3

SUMMARY OF COSTS, RIVER GRAVEL SAMPLING-1993

SUMMARY OF COSTS, RIVER GRAVEL SAMPLING-1993

1) ARBOR RESOURCES CLAIM GROUP- claims 1180610,11,12,13,15,17,1187201,02

SAMPLES BR-93-1(BULK).2,3,4,5

FIELD COSTS

- 2 men for 4 days @ \$500/day,	\$2,000.00	
- mob-demob, toronto to field..	\$ 750.00	
- equipment rental.....	\$1,500.00	
(canoe, outboard, sample		
concentrator, generator,		
2 man camp)		
- helicopter charter	\$2,391.50	
- helicopter fuel.....	\$ 409.35	
- sample shipping costs.....	\$ 345.05	
	<u>\$7,395.90</u>	
G.S.T.	517.71	\$7,913.61

LABORATORY PROCESSING & REPORT

- Sample preparation.....	\$1,716.00	
(sample concentration, heavy		
liquid separation, magnetic		
separation)		
- Picking & Probing.....	\$1,200.00	
	<u>\$2,916.00</u>	
G.S.T.	204.12	\$3,120.12

INTERPRETIVE REPORT.....	\$ 350.00	
G.S.T.	24.50.....	\$ 374.50

TOTAL.....\$11,408.23

2) EMPEROR GOLD CORP'N, Claims 1180614,16,18

FIELD COSTS

-2 men for 4 days @ \$500/day.....	\$2,000.00	
-mob-demob.....	\$ 750.00	
-helicopter.....	\$2,800.85	
-sample shipment costs.....	\$ 345.00	
-equipment rental.....	\$1,500.00	
	<u>\$7,359.90</u>	
G.S.T.	517.71	\$7,913.21

LABORATORY PROCESSING

Sample Processing.....	\$1,062.00	
Picking & Probing.....	\$ 700.00	
	<u>\$1,762.00</u>	
G.S.T.	123.34	\$1,885.34

INTERPRETIVE REPORT.....	\$ 350.00	
G.S.T.	24.50	\$ 374.50

TOTAL.....\$10,173.05

3) PACIFIC MARINER EXPLORATIONS Claims 1180630,1180623,24,25

FIELD COSTS

Helicopter.....	\$ 475.00	
2 Man sample crew (1/2 day@500/d)	\$ 250.00	
Shipping charges on samples	\$ 50.00	
Mob-demob.....	\$ 50.00	
	<u>\$ 825.00</u>	
G.S.T.	57.75	\$ 882.75

LABORATORY PROCESSING

-Sample Preparation	\$ 210.00	
-Picking & Probing.....	\$ 460.00	
	<u>\$ 670.00</u>	
G.S.T.	\$ 46.90	\$ 716.00

INTERPRETIVE REPORT.....	\$ 350.00	
G.S.T.	24.50	\$ 374.50

TOTAL.....\$1,973.25

4) WEALTH RESOURCES LTD. Claims 1130604,05,06,07,08,09

FIELD COSTS

Helicopter.1 Hr @ 950/Hr.....	\$ 950.00	
2 man sample crew(1/2day @\$500/d).	\$ 250.00	
Shipping charges on samples.....	\$ 100.00	
Mob-demob.....	\$ 100.00	
	<u>\$1,400.00</u>	
G.S.T.	98.00	\$1,498.00

LABORATORY PROCESSING

-Sample Preparation.....	\$ 435.00	
-Picking & Probing.....	\$ 317.60	
	<u>\$ 752.60</u>	
G.S.T.	52.68.....	\$ 805.28

INTERPRETIVE REPORT.....	\$ 350.00	
G.S.T.	\$ 24.50.....	\$ 374.50

TOTAL.....\$2,677.78

5) FAITH MINES Claim 1187043 etc.

FIELD COSTS Sample OP-93-9

Helicopter 1/2 Hr @ 950/Hr.....\$475.00
 Samplers (1/2 day @ \$500/d).....\$250.00
 Shipping charges on sample..... \$ 50.00
 Mob-demob.....\$ 50.00

\$825.00

G.S.T. 57.75.....\$ 882.75

LABORATORY PROCESSING

Sample Preparation..... \$210.00
 Picking & Probing.....\$320.00
\$530.00

G.S.T. 37.10.....\$ 567.10

INTERPRETIVE REPORT.....\$350.00

G.S.T. 24.50.....\$ 374.50

TOTAL.....\$1,824.35

6) G-10 SYNDICATE

a) SULTAN MINERALS OPHIR TWP CLAIMS 1187077,78,79,80
 (Little Abitibi River Area Sampling of concentrated gravels
 down ice from claim group)

FIELD COSTS - SAMPLES LA-93-1,2,3,4,5,6 & 7

-Helicopter..... \$2,800.85
 -2 man sample crew for 3 days
 (inclusive of mob-demob, @ \$500/d) \$1,500.00
 -Equipment rental (canoe, motor 500.00
 +camp equip)
 -Sample shipment\$ 335.00

\$5,135.85

G.S.T. 359.51.....\$5,495.36

LABORATORY PROCESSING

Sample Preparation\$1,570.00
 Picking & Probing.....\$ 396.00
\$1,966.00

G.S.T 137.62.....\$2,103.62

INTERPRETIVE REPORT.....\$ 350.00

G.S.T. 24.50.....\$ 374.50

TOTAL.....\$7,973.45

G-10 SYNDICATE

b) ABITIBI RIVER AREA (Sampling of reworked river gravels down ice from Pitt Twp claims: 1180628, 1187069, 1187067,68, 1180631,32, 1186993,94,95,96,97, 1143709,10,11,13,14)

FIELD COSTS - Samples OP-93-3,4,5

-2 Man sample crew for 5 days	\$2,500.00	
(1, 1 ton bulk sample & 2		
20 kg samples screened to		
-10 mesh on site.)		
-Equipment rental.....	\$1,000.00	
(Concentrator, truck, canoe,		
outboard, and camp equipment)		
-Sample shipping costs	\$ 300.00	
	<u>\$3,800.00</u>	
G.S.T.	266.00	\$4,066.00

LABORATORY PROCESSING

-Sample Preparation.....	\$2,542.32	
-Picking & Probing	\$ 452.00	
17, 25 gm fractions picked		
@ \$20/fraction & 7 grains		
probed @ \$16/grain)		
	<u>\$2,994.32</u>	
G.S.T.	209.60.....	\$3,203.92

INTERPRETIVE REPORT.....	\$ 350.00	
G.S.T.	24.50	\$ 374.50

TOTAL.....\$7,644.42

G-10 SYNDICATE-VALERIE GOLD RESOURCES LTD.

c) Natagami River Area, Claims

FIELD COSTS

-Helicopter.....	\$2,929.50	
-Sample Crew (1 day @ \$500/day).....	\$ 500.00	
-Mob-Demob.....	\$ 750.00	
-Sample Shipping	\$ 350.00	
	<u>\$4,529.50</u>	
G.S.T.	317.07....	\$4,846.57

LABORATORY PROCESSING

-Sample Preparation.....	\$1,755.00	
-Picking & Probing.....	\$1,032.00	
	<u>\$2,787.00</u>	
G.S.T.	195.09....	\$2,982.09

INTERPRETIVE REPORT.....	\$ 350.00	
G.S.T.	24.50....	\$ 374.50
TOTAL		<u>\$8,203.16</u>

5) W.TROUP & B. OTTON - REGIONAL SAMPLING

FIELD COSTS

-2 MEN FOR 3 DAYS @ \$500/DAY.....	\$1,500.00	
-Mob-demob, 2 days.....	\$1,000.00	
-Helicopter (Abitibi R.sp1.OP-93-8.)	\$1,000.00	
-Sample shipment.....	<u>\$ 250.00</u>	
G.S.T.	262.50	...\$4,012.50

LABORATORY PROCESSING

-Sample Preparation.....	\$ 420.00	
-Picking & Probing.....	<u>92.00</u>	
	512.00	
G>S>T>	35.84	\$ 547.84

TOTAL \$4,560.34

TOTAL ALL AREAS.....\$56,438.06

SJ W. TROUP & B. OTTON - REGIONAL SAMPLING

FIELD COSTS

-2 MEN FOR 3 DAYS.@ \$500/day.....\$1,500.00
-Mob-demog 2 days.....1,000.00
-Helicopter(Abitibi R.spl-OP-93-8)1,000.00
-Sample shipment.....250.00
G.S.T. 262.50.....\$4,012.50

LABORATORY PROCESSING

-Sample Preparation.....420.00
-Picking & Probing..... 92.00
\$512.00
G.S.T. 35.84 \$ 547.84

TOTAL.....\$4,560.34

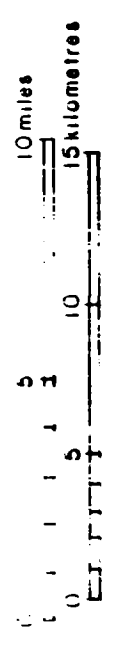
Total All Areas _____ \$56,438.06

LEGEND

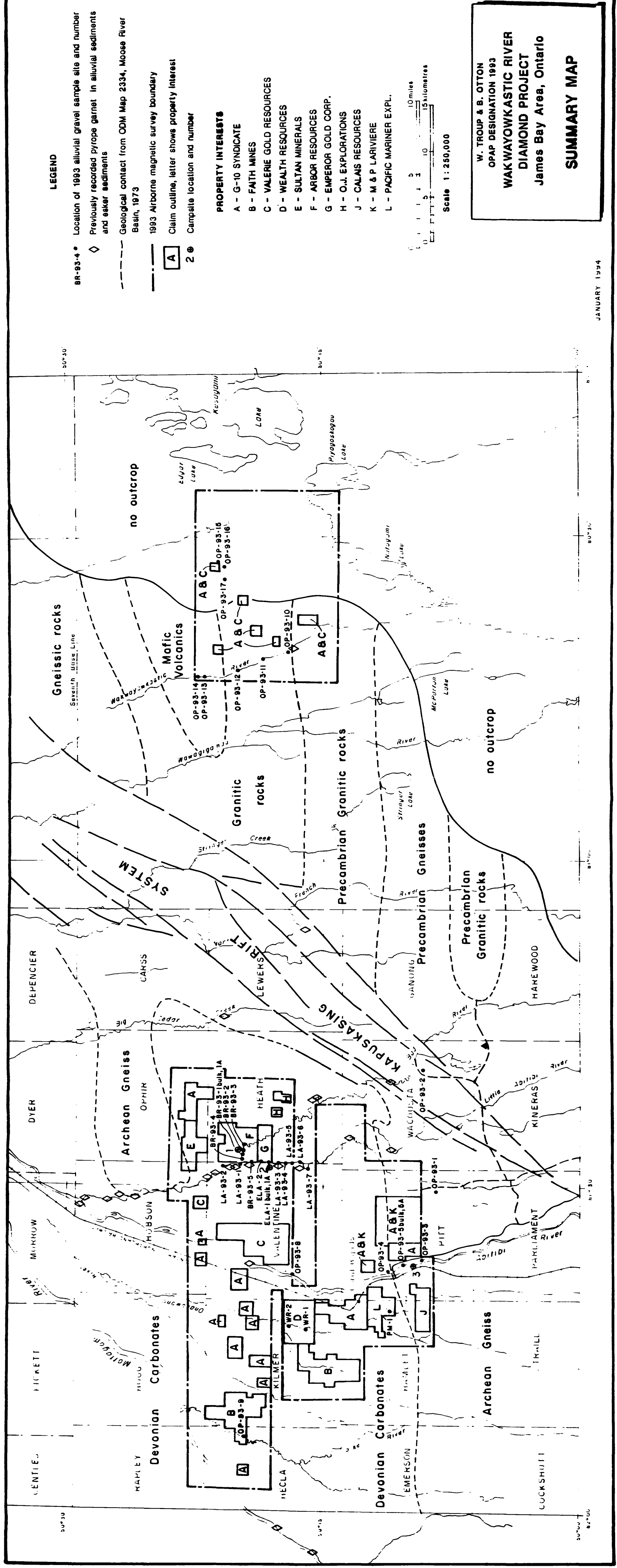
- BR-93-4 • Location of 1993 alluvial gravel sample site and number
- ◊ Previously recorded pyrope garnet in alluvial sediments and esker sediments
- - - Geological contact from CDM Map 2334, Moose River Basin, 1973
- - - 1993 Airborne magnetic survey boundary
- ▭ A Claim outline, letter shows property interest
- 2 ⊕ Campsite location and number

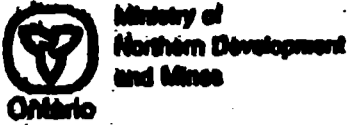
PROPERTY INTERESTS

- A - G-10 SYNDICATE
- B - FAITH MINES
- C - VALERIE GOLD RESOURCES
- D - WEALTH RESOURCES
- E - SULTAN MINERALS
- F - ARBOR RESOURCES
- G - EMPEROR GOLD CORP.
- H - O.J. EXPLORATIONS
- J - CALAIS RESOURCES
- K - M & P LARIVIERE
- L - PACIFIC MARINER EXPL.



W. TROUP & B. OTTON
 OPAP DESIGNATION 1993
**WAKWAYOKWASTIC RIVER
 DIAMOND PROJECT**
 James Bay Area, Ontario
SUMMARY MAP





Report of Work Conducted After Recording Claim

Mining Act

Transaction Number
W9460.00276
(AMENDED)

Personal information collected on this form is obtained under the authority of the Mining Act (R.S.O. 1990, Chapter M.13) and is to be used for the purposes of the Mining Act, Mining Lands, and the Mining Act, Ontario, P.O. Box 646, telephone (705) 670-7264.



4206SW0001 2.15890 HEATH

900

- Instructions:**
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for recording.
 - A separate copy of this form must be completed for each Work Group.
 - Technical reports and maps must accompany this form in duplicate.
 - A sketch, showing the claims the work is assigned to, must accompany this form.

2.15890

FAX: 404-687-3982

Recorded Holder(s) EMPEROR GOLD CORPORATION	Claim No. 144-535
Address 1177 WEST HASTINGS ST. SUITE 1000 VANCOUVER B.C. V6E 2K3	Telephone No. (604) 657-6600
Mining Division PORCUPINE	Miner's Name M 405
From SEPT 1/93	To JUNE 94 (with Analytical)

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	GEOCHEMICAL + RIVER GRAVEL SAMPLING
<input type="checkbox"/> Physical Work, including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

RECEIVED
MAR 07 1995
MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs \$ **11,410**

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 90 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
ALCANEY LTD	MISSISSAUGA ONT
(W. TROUP + B. OTTON)	

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claim covered in this work report was recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date Dec 2/94	Recorded Holder or Agent (Signature) William A Troup
--	-------------------------	--

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and expressed report is true.		
Name and Address of Person Certifying William A Troup, 1365 Clarkson Rd North, Mississauga, Ont L5J 2W6	Date Dec 2/94	Certified by (Signature) William A Troup
Telephone No. (905) 823-2851		

For Office Use Only

Total Value of Assessment \$11,410	Date Recorded	Miner's Signature David White	<p>RECEIVED (F) MAR 8 1995 1st rec'd Dec 7/94 TB PORCUPINE MINING DIVISION</p>
Deemed Approval Date MAR 7, 1995	Date Approved		
Date Notice for Amendments Sent			

Number of Claims Under	Claim Number (see Note 2)	Number for Working Under
16	1180616	
12	1180614	
		9
		3
		15
		1
		2

Value of Assessment Work Done on this Claim	Value Applied to this Claim
-	6,400
11,410	4,800
11,410	1,200

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
-	-
6,400	210
6,400	210

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 MAR 07 1995
 MINING CLAIMS BANK

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claim you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

- 1: Credits are to be cut back starting with the claim listed last, working backwards.
- 2: Credits are to be cut back equally over all claims contained in this report of work.
- 3: Credits are to be cut back as prioritized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented Date



Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction W9460.00276

AMENDED

2.15890

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and properly assess the value of the mining claims.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières.

1. Direct Costs/Coûts directs

Table with 4 columns: Type, Description, Amount, Total. Includes categories like Wages, Contractors, Supplies, and Equipment.

2. Indirect Costs/Coûts indirects

Note: When claiming Rehabilitation work indirect costs are not allowable as assessment work.

Table with 4 columns: Type, Description, Amount, Total. Includes categories like Transportation, Fuel, and Rehabilitation.

Note: The recorder holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification.

Note: Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet.

Timing Discounts

- 1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 80% of the above Total Value of Assessment Credit.

Révisions pour dépôt

- 1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100% de la valeur totale susmentionnée de crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 80% de la valeur totale du crédit d'évaluation susmentionnée.

Total Value of Assessment Credit x 0.80 = Total Assessment Claimed

Valeur totale de crédit d'évaluation x 0,80

Certification Verifying Statement of Costs

hereby certify: that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown in the accompanying Report of Work form.

Attestation de l'état des coûts

J'atteste par la présente: que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Witness R. Troop I am authorized

Et qu'à titre de je suis autorisé

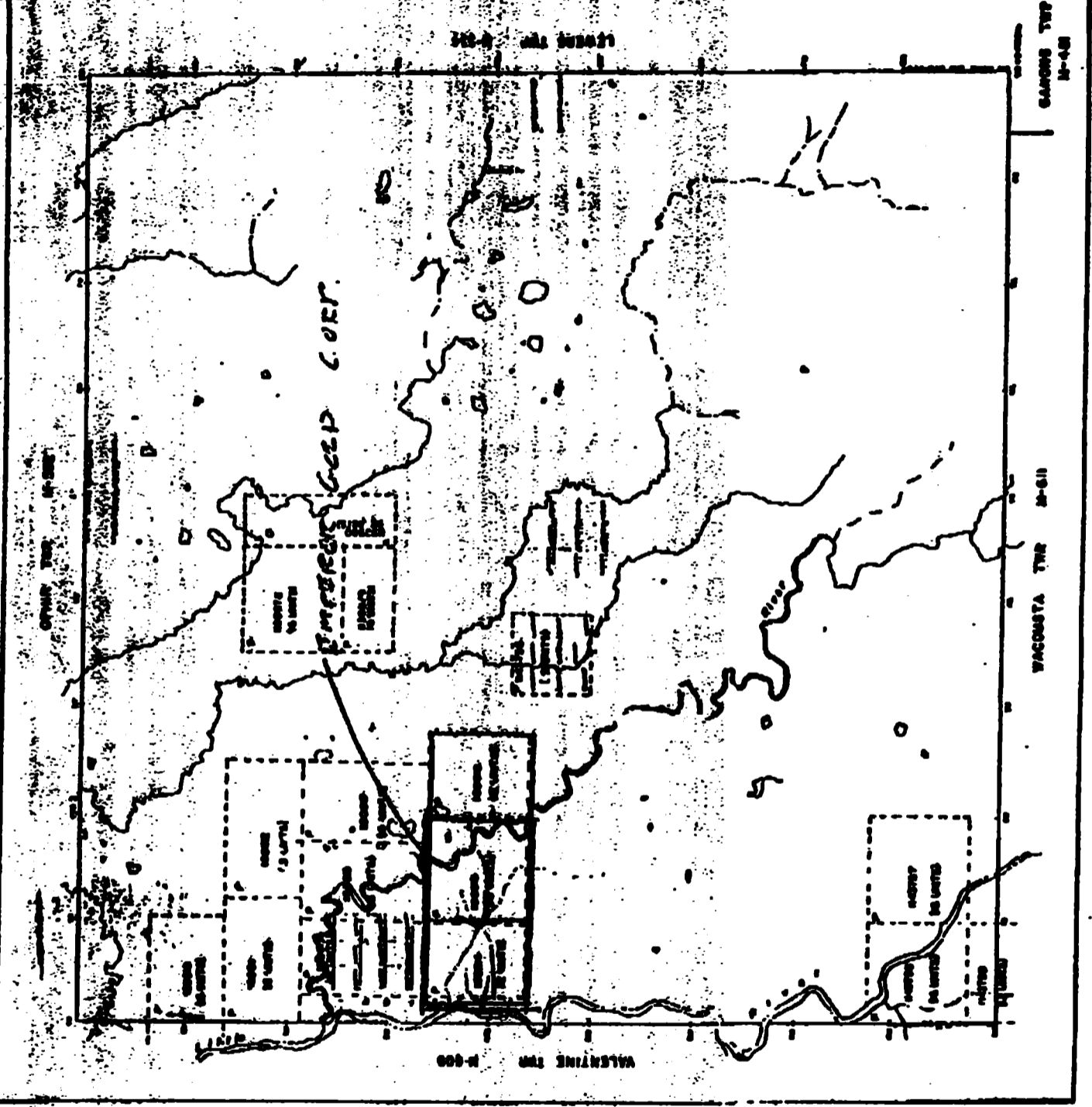
to make this certification

à faire cette attestation.

Signature: Witness R. Troop Date: Dec 21/94

2.10090

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 MAR 07 1995
 MINING LAB. ST. 100

482

SUMMARY OF COSTS, RIVER GRAVEL SAMPLING-1993

1) ARBOR RESOURCES CLAIM GROUP - Claims 1180610, 11, 12, 13, 15, 17, 1187201, 02

SAMPLES BB-93-1(BULK) 2, 3, 4, 5

FIELD COSTS

2 men for 5 days @ \$500/day, \$2,000.00
 mob-demob, torped, in field, \$ 750.00
 equipment rental, \$1,500.00
 (cable, outboard, sample
 concentrator, generator,
 2 man camp)
 helicopter charter, \$2,391.50
 helicopter fuel, \$ 409.35
 sample shipping costs, \$ 345.05
 \$7,375.90
 G.S.T. \$17.71

2.15890

\$7,913.61

LABORATORY PROCESSING & REPORT

Sample preparation, \$1,716.00
 (sample concentration, heavy
 liquid separation, magnetic
 separation)
 Picking & Probing, \$1,200.00
 \$2,916.00
 G.S.T. 204.12

\$3,120.12

INTERPRETIVE REPORT, \$ 350.00
 G.S.T. 24.50

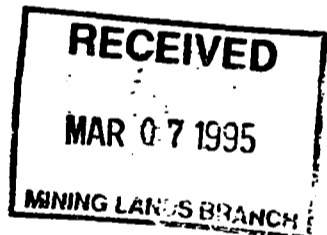
\$ 374.50

TOTAL.....\$11,408.23

2) SUPERIOR GOLD COMP'N, Claims 1180614, 16, 18

FIELD COSTS

2 men for days @ \$500/day, \$2,000.00
 mob-demob, \$ 750.00
 Helicopter, \$2,800.85
 sample shipment costs, \$ 345.00
 equipment rental, \$1,500.00
 \$7,359.30
 G.S.T. \$17.71



\$7,913.21

LABORATORY PROCESSING

Sample Processing, \$2,062.00
 Picking & Probing, \$ 856.00
 \$2,918.00
 G.S.T. 204.26

\$3,122.26

INTERPRETIVE REPORT, \$ 350.00
 G.S.T. 24.50

\$ 374.50

TOTAL.....\$11,409.37

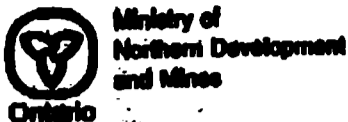
\$11,410.00

VALUE OF ASSESSMENT WORK PERFORMED ON MINING CLAIMS

**FILE NUMBER 2.15890
TRANSACTION NO. W9460.00276
APRIL 21, 1995**

CLAIM NUMBER	VALUE OF ASSESSMENT WORK DONE ON THIS CLAIM
1180616	\$ 0.00
1180614	\$9,133.00

TOTAL	\$9,133.00



Report of Work Conducted After Recording Claim

Mining Act

Transaction Number
U-9460 00278
AMENDED

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about the collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 100 Cedar Street, Sudbury, Ontario, P2E 0A8, telephone (705) 670-7884.

- Instructions:
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
 - A separate copy of this form must be completed for each Work Group.
 - Technical reports and maps must accompany this form in duplicate.
 - A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded Holder(s) ALCANEX LTD.	Client No. 101 - 512
Address 1365 CLARKSON RD. N / MISSISSAUGA L5J 2W6	Telephone No. (905) 823-2881
Mining Division PORCUPINE	Township HEATH TWP
Date Performed SEPT 1, 1993	U of S Plan No. M 408

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	GEOCHEM - RIVER GRAVEL SAMPLING
<input type="checkbox"/> Physical Work, Including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

2.15890

RECEIVED
MAR 7 1995
MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs \$ **11,408⁰⁰**

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
ALCANEX LTD.	1365 CLARKSON RD. N. MISSISSAUGA ONT.
(W TROUP + B - Otton)	

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date Dec 2/94	Recorded Holder or Agent (Signature) William R Troup
--	-------------------------	--

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying William R Troup / 1365 CLARKSON RD. N / MISSISSAUGA. L5J 2W6		
Telephone No. 823-2881	Date Dec 2/94	Certified By (Signature) William R Troup

For Office Use Only

Total Value Cr. Recorded \$ 11,408.	Date Recorded	Mining Recorder Jany White	RECEIVED (F) MAR 8 1995 1st rec'd Dec. 7/94 TB PORCUPINE MINING DIVISION
Deemed Approval Date MAR. 7, 1995	Date Approved	Signed by it not done	

Work Report Number for Assigning Purposes	Claim Number (see Note 2)	Number of Claims Used
1180613	2,158,90	15

Total Value That Must Be Paid	Total Value That Must Be Paid	Value of Assignment Work Done on this Claim	Value Assigned to this Claim
\$11,405	\$6,000	\$18,405.08	\$6,000.00

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MAR 07 1995
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Total Amount Paid	Total Amount Paid	Value Assigned from this Claim	Amount Work to be Covered at a Future Date
\$11,405 -	\$5,405 -	\$11,405 -	\$5,405.08

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

- Credits are to be cut back starting with the claim listed last, working backwards.
- Credits are to be cut back equally over all claims contained in this report of work.
- Credits are to be cut back as prioritized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed. Date: 3/7/95



Ministry of Northern Development and Mines

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction
W9460.00278

2.15890
ALXENDED

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claims. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, 4th Floor, 150 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7284.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adressez toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 150, rue Cedar, 4^e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7284.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'œuvre		
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-consult	Type		
	G. ROCHER	11,908	
			11,908
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
Total Direct Costs Total des coûts directs			11,908

2. Indirect Costs/Coûts indirects

Note: When claiming Rehabilitation work indirect costs are not allowable in assessment work. Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type		
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et désmobilisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'exécédant pas 20 % des coûts directs)			
Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs)			
Value total de crédit d'évaluation (Total des coûts directs et indirects admissibles)			

Note: The record holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note: Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Wing Discounts

- Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
- Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
	x 0.50 =

Remise pour dépôt

- Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée de crédit d'évaluation.
- Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	x 0,50 =
--------------------------------------	----------

Certification Verifying Statement of Costs

I hereby certify that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown in the accompanying Report of Work form.

I, Agent am authorized (Recorded Holder, Agent, Position in Company)

I make this certification

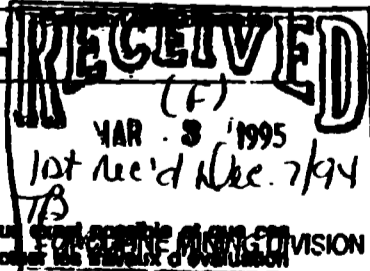
Attestation de l'état des coûts

J'atteste par la présente que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de Agent je suis autorisé (Titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature: William R. Roy Date: Dec 2/94



SUMMARY OF COSTS, RIVER GRAVEL SAMPLING-1993

1) ARBOR RESOURCES CLAIM GROUP claims 1180610, 11, 12, 13, 15, 17, 1187201, 02

SAMPLES BR-93-1 (BULK), 2, 3, 4, 5

FIELD COSTS

- 2 men for 5 days @ \$500/day.....\$2,000.00 ✓
- mob-demob, toronto to field.....\$ 750.00 ✓
- equipment rental.....\$1,500.00 ✓
(canoe, outboard, sample concentrator, generator, 2 man camp)
- helicopter charter.....\$2,391.50
- helicopter fuel.....\$ 409.35
- sample shipping costs.....\$ 345.05 ✓

\$7,395.90

G.S.T. 517.71

2.15890

\$7,913.61

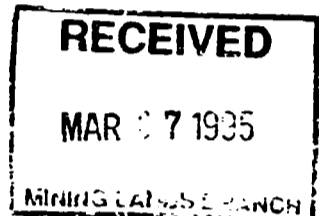
LABORATORY PROCESSING & REPORT

- Sample preparation.....\$1,716.00
(sample concentration, heavy liquid separation, magnetic separation)
- Picking & Probing.....\$1,200.00

\$2,916.00 ✓

G.S.T. 204.12

\$3,120.12



INTERPRETIVE REPORT.....\$ 350.00 ✓

G.S.T. 24.50.....\$ 374.50

TOTAL.....\$14,408.23

11,408.23 ✓

2) EMPEROR GOLD CORP'N, Claims 1180614, 16, 18

FIELD COSTS

- 2 men for 5 days @ \$500/day.....\$2,000.00
- mob-demob.....\$ 750.00
- helicopter.....\$2,800.85
- sample shipment costs.....\$ 345.00
- equipment rental.....\$1,500.00

\$7,359.90

G.S.T. 517.71

\$7,913.21

LABORATORY PROCESSING

- Sample Processing.....\$2,062.00 ✓
- Picking & Probing.....\$ 856.00

\$2,918.00

G.S.T. 204.26

\$3,122.26

INTERPRETIVE REPORT.....\$ 350.00

G.S.T. 24.50.....\$ 374.50

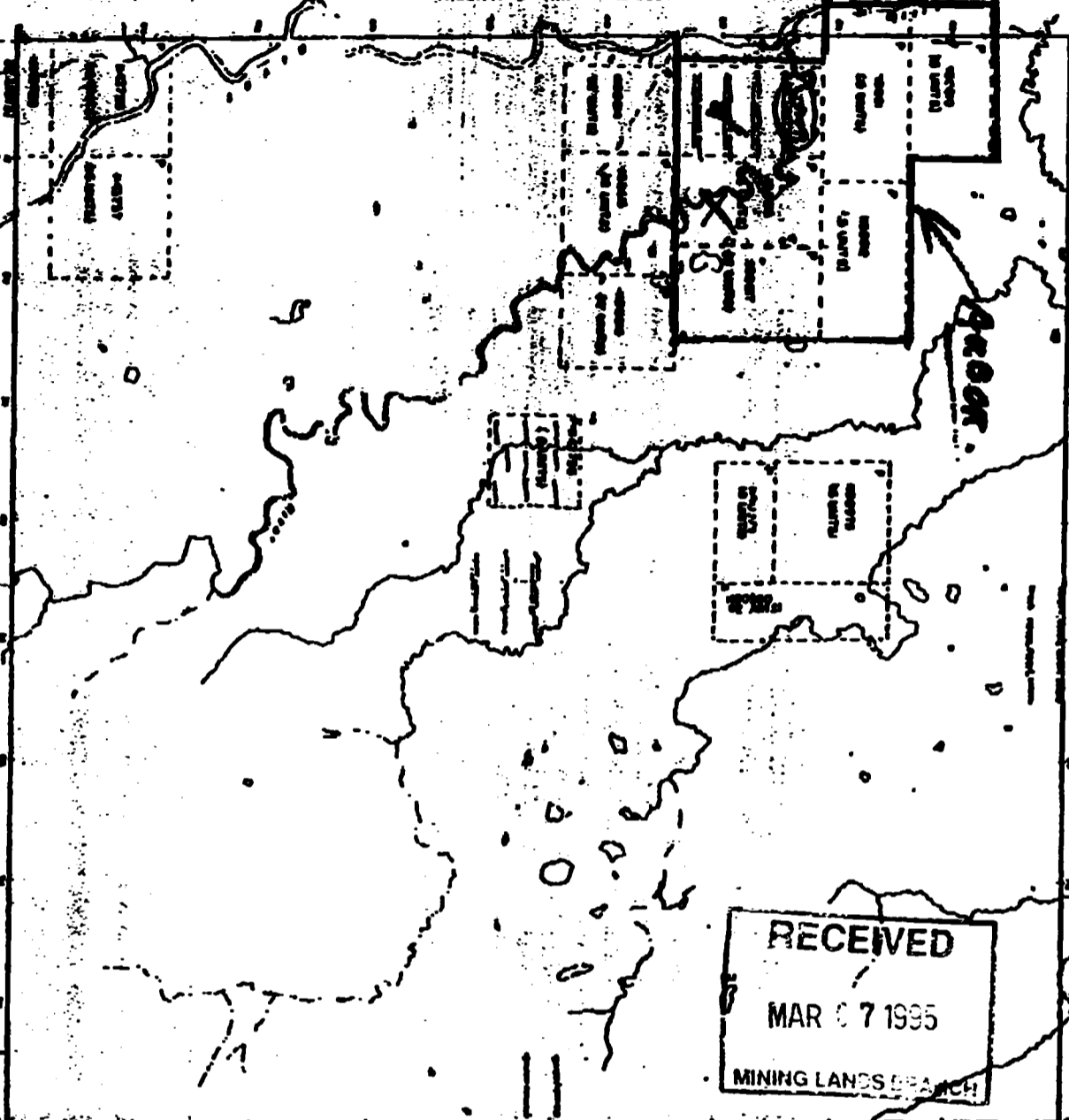
TOTAL.....\$11,409.97 ✓

\$11,410.00 ✓

M-432

NEVIN TWP

VALENTINE TWP N-005



OPHIR TWP N-008

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 MAR 07 1995
 MINING LANDS BRANCH

LEWIS TWP N-004

ANDREWS TWP N-011

SAVING TWP N-011

<p>LEGEND</p>	<p>DEPARTMENT OF ENERGY LANDS</p>	<p>PROPERTY OF OTHERS</p>	<p>HEALTH</p>	<p>MINING LANDS BRANCH</p>
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M-432

NEVIN TWP

VALUE OF ASSESSMENT WORK PERFORMED ON MINING CLAIMS

APRIL 21, 1995
FILE NUMBER 2.15890
TRANSACTION NO. W9460.00278

CLAIM NUMBER	VALUE OF ASSESSMENT WORK DONE ON THIS CLAIM
1180613	\$9,131.00 -----
TOTAL	\$9,131.00

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Geoscience Approvals Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (705) 670-5853
Fax: (705) 670-5863

April 25, 1995

Our File: 2.15890
Transaction #:W9460.00276

Mining Recorder
Ministry of Northern Development
and Mines
60 Wilson Avenue
1st Floor
Timmins, Ontario
P4N 2S7

Dear Mr. White:

**RE: APPROVAL OF NOTICE OF REDUCTION ISSUED FOR ASSESSMENT WORK
REPORTED ON MINING CLAIMS 1180616 & 1180614 IN HEATH TOWNSHIP.**

The assessment work credits as outlined in the Notice of Reduction dated March 07, 1995 have been approved as of April 21, 1995. The credits have been approved under Section 14 (Geochemical) of the Mining Act Regulations. Please redistribute the allowable assessment credits as requested by the recorded holder.

If you require additional assistance in this matter please contact Steven Beneteau at (705) 670-5858.

ORIGINAL SIGNED BY:



Ron C. Gashinski
Senior Manager, Mining Lands Section
Mining and Land Management Branch
Mines and Minerals Division

SBB/jl
Enclosure:

cc: Assessment Files Office
Sudbury, Ontario

Resident Geologist
Timmins, Ontario

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Geoscience Approvals Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (705) 670-5853
Fax: (705) 670-5863

April 25, 1995

Our File: 2.15890
Transaction #:W9460.00278

Mining Recorder
Ministry of Northern Development
and Mines
60 Wilson Avenue
1st Floor
Timmins, Ontario
P4N 2S7

Dear Mr. White:

**RE: APPROVAL OF NOTICE OF REDUCTION ISSUED FOR ASSESSMENT WORK
REPORTED ON MINING CLAIM 1180613 IN HEATH TOWNSHIP.**

The assessment work credits as outlined in the Notice of Reduction dated March 07, 1995 have been approved as of April 21, 1995. The credits have been approved under Section 14 (Geochemical) of the Mining Act Regulations. Please redistribute the allowable assessment credits as requested by the recorded holder.

If you require additional assistance in this matter please contact Steven Beneteau at (705) 670-5858.

ORIGINAL SIGNED BY:

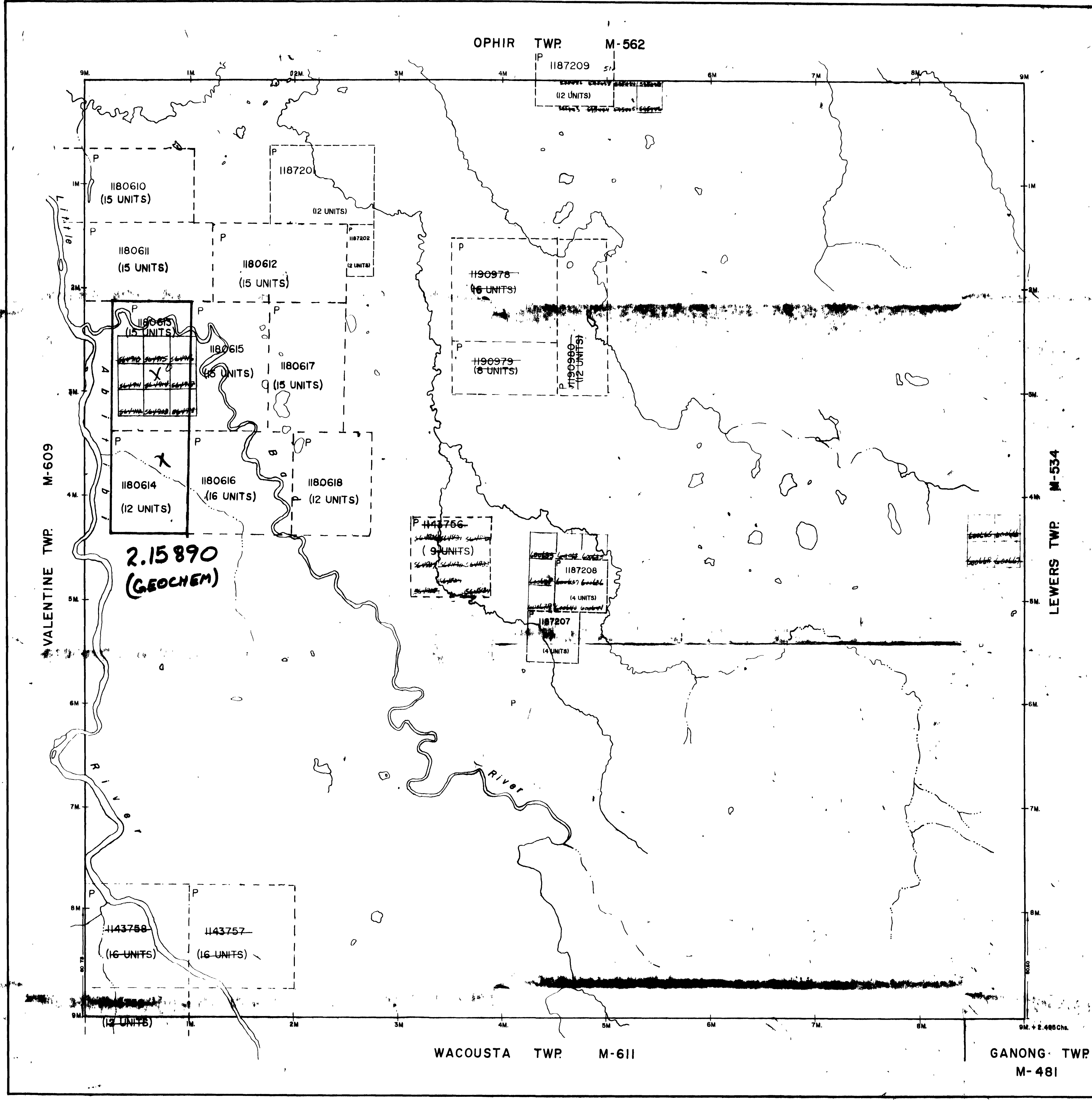


Ron C. Gashinski
Senior Manager, Mining Lands Section
Mining and Land Management Branch
Mines and Minerals Division

SBB/jl
Enclosure:

cc: Assessment Files Office
Sudbury, Ontario

Resident Geologist
Timmins, Ontario



LEGEND

HIGHWAY AND ROUTE No.

OTHER ROADS

TRAILS

SURVEYED LINES: TOWNSHIP, 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

PATENT, SURFACE & MINING RIGHTS

MINING RIGHTS ONLY

LEASE SURFACE & MINING RIGHTS

SURFACE RIGHTS ONLY

MINING RIGHTS ONLY

LIENCE OF OCCUPATION

ORDER-IN-COUNCIL

RESERVATION

CANCELLED

SAND & GRAVEL

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 1, 1912, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 300, SEC. 67 SUBSEC. 1.

NOTE

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

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE WHOSE INTERESTS ARE AFFECTED BY THIS MAP SHOULD CONSULT THE RECORDS OF THE MINING DIVISION, DEPARTMENT OF MINES, ENERGY AND PETROLEUM, ON THE STATUS OF THE LANDS SHOWN HEREON.

ISSUED

MAR 6 1995

MINING DIVISION

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 8000

METRES 0 200 400 800 1600

ACRES 40

HECTARES 16

TOWNSHIP 158 90

HEATH

RECEIVED

DISTRICT COCHRANE MAR 0 7 1995

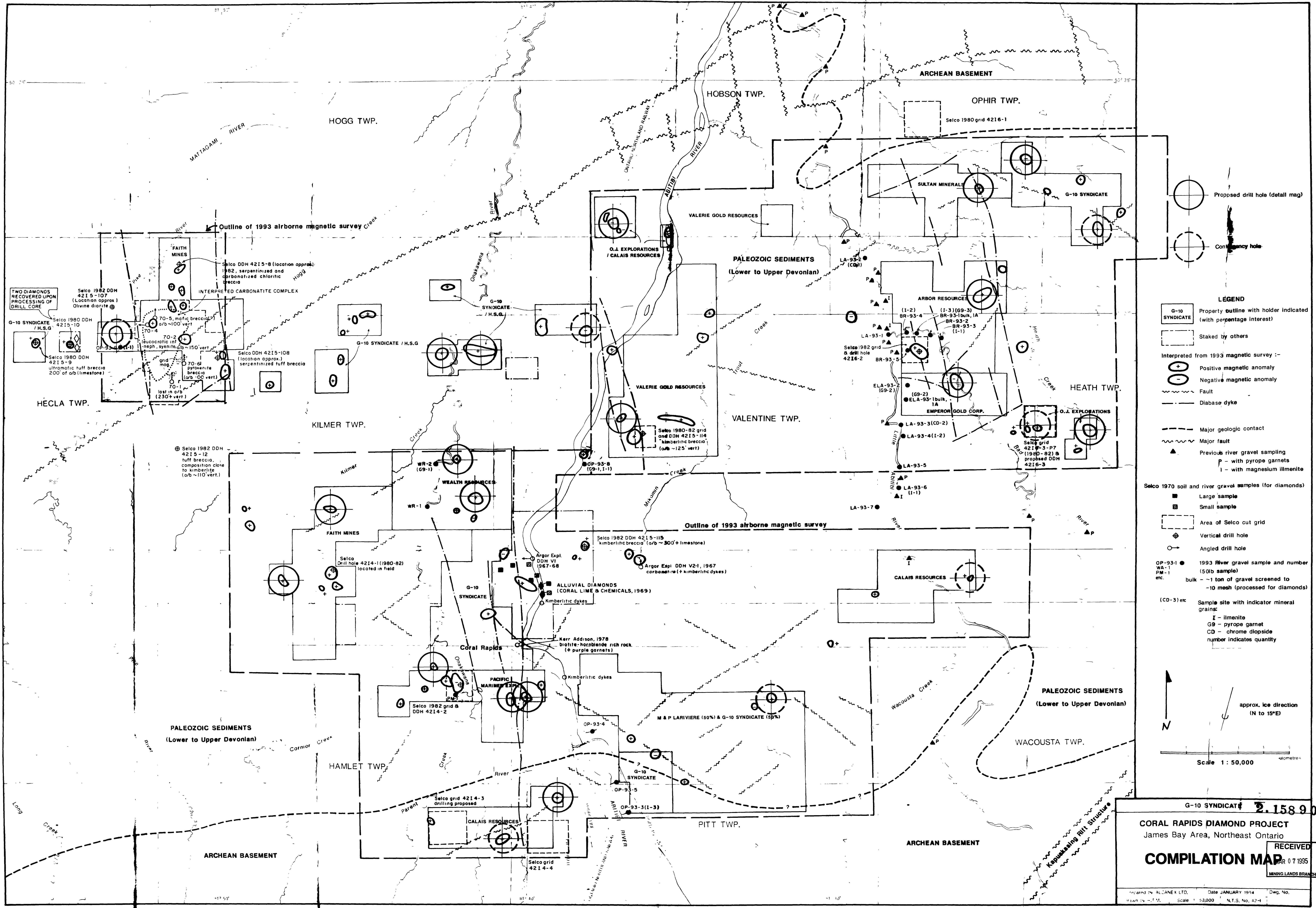
MINING DIVISION MINING LANDS BRANCH

MINING DIVISION PORCUPINE

Ontario Ministry of Natural Resources Mapping Branch

Date: JAN /80 Plan No. **M-495**

National Topographic Series



LEGEND

- G-10 SYNDICATE: Property outline with holder indicated (with percentage interest)
- Staked by others
- Interpreted from 1993 magnetic survey:
 - Positive magnetic anomaly
 - Negative magnetic anomaly
 - Fault
 - Diabase dyke
 - Major geologic contact
 - Major fault
 - Previous river gravel sampling
 - with pyrope garnets
 - with magnesium ilmenite
- Selco 1970 soil and river gravel samples (for diamonds)
 - Large sample
 - Small sample
 - Area of Selco out grid
 - Vertical drill hole
 - Angled drill hole
 - 1993 River gravel sample and number (50lb sample)
 - PM-1
 - etc. bulk - 1 ton of gravel screened to -10 mesh (processed for diamonds)
 - (CO-3) etc. Sample site with indicator mineral grains
 - I - ilmenite
 - G9 - pyrope garnet
 - CD - chrome diopside
 - number indicates quantity

Scale 1:50,000

approx. ice direction (N to 15°E)

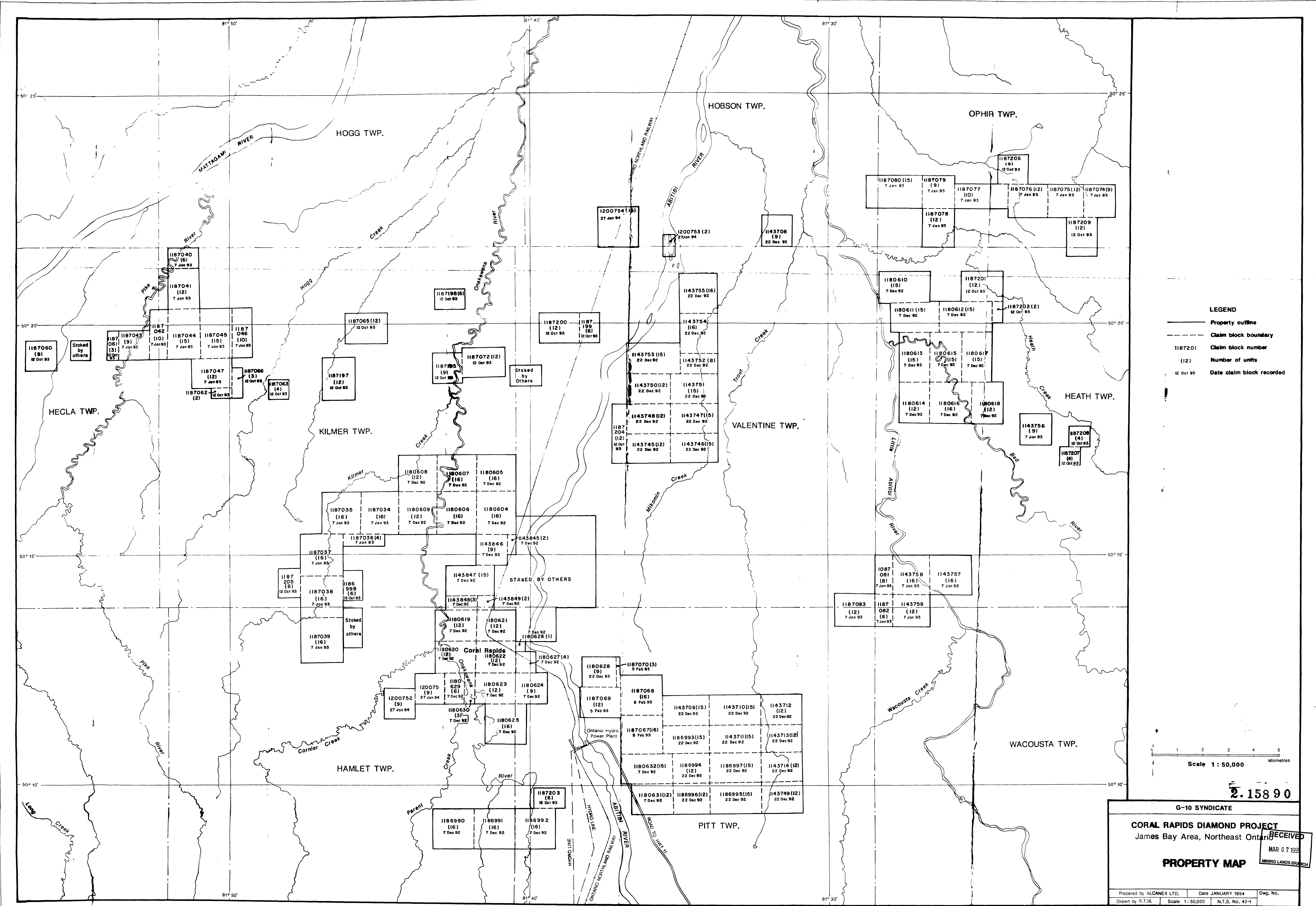
G-10 SYNDICATE 2.158.9.0

CORAL RAPIDS DIAMOND PROJECT
James Bay Area, Northeast Ontario

COMPILATION MAP

RECEIVED
MAR 07 1995
MINING LANDS BRANCH

Prepared by: ALCANEX LTD. Date: JANUARY 1994 Dwg. No. 100-10-11-11 Scale: 1:50,000 N.T.S. No. 42-1

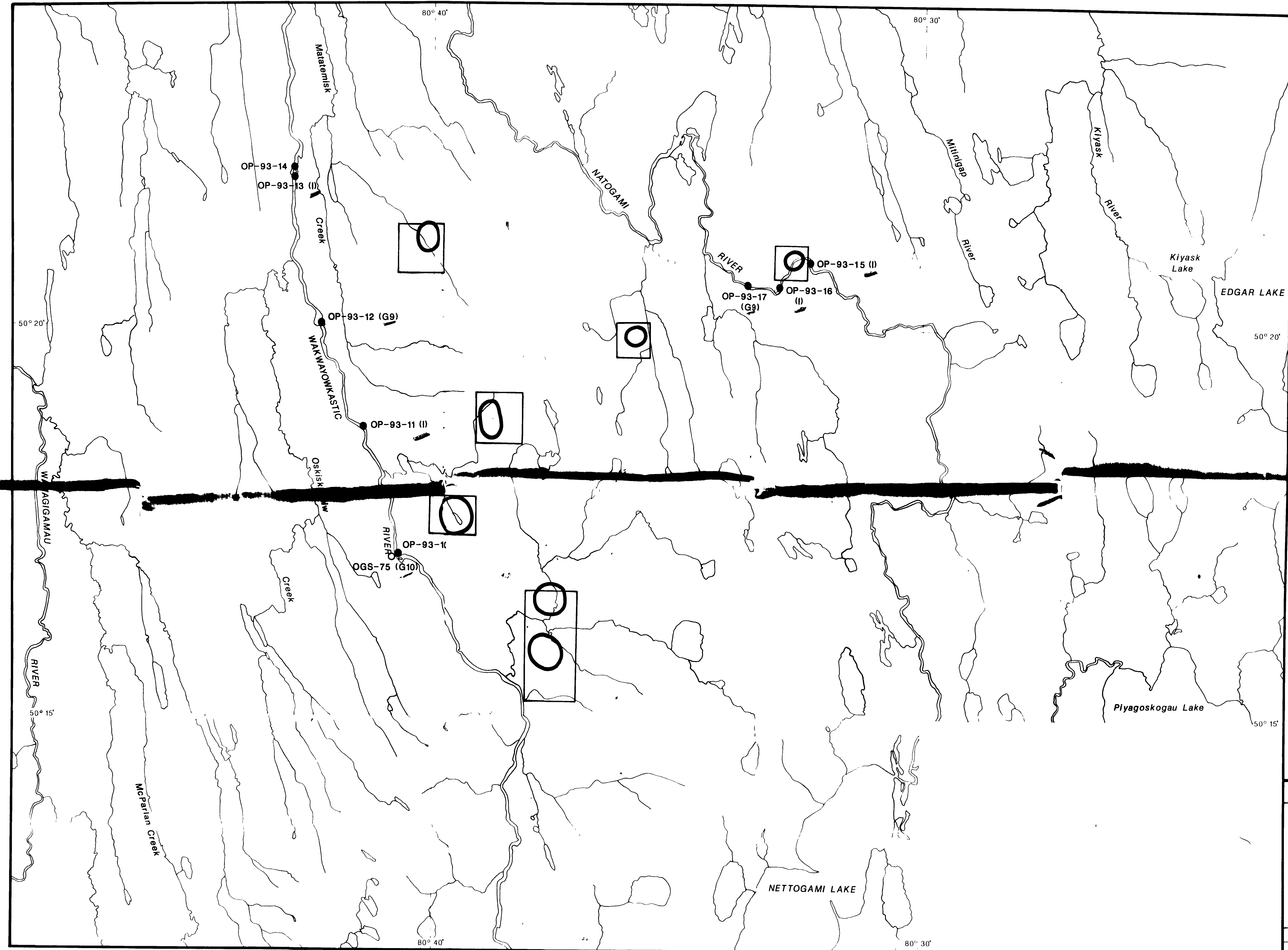





LEGEND

- Property outline
- - - Claim block boundary
- 1187201 Claim block number
- (12) Number of units
- 12 Oct 93 Date claim block recorded

Scale 1 : 50,000
kilometres

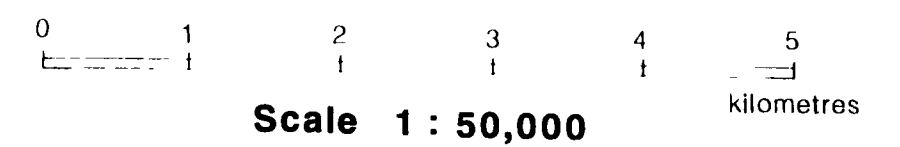
2.15890
G-10 SYNDICATE
CORAL RAPIDS DIAMOND PROJECT
James Bay Area, Northeast Ontario
PROPERTY MAP
Prepared by ALCANEX LTD. Date JANUARY 1994 Dwg. No.
Drawn by R.T.M. Scale 1:50,000 N.T.S. No. 42-1



- LEGEND**
-  Claim block and airborne magnetic anomaly, 1993 survey
 - ALLUVIAL GRAVEL SAMPLING**
 -  Ontario Geological Survey sample (G-10 garnet reported)
 -  1993 sample site and number showing indicator mineral grain of kimberlitic origin
 - I - ilmenite
 - G9 - pyrope garnet

2.15890

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 MAR 07 1995
 MINING LANDS BRANCH



G-10 SYNDICATE

WAWAYOWKASTIC RIVER PROJECT
James Bay Area, Northeast Ontario

COMPILATION MAP

Prepared by ALCANEX LTD.	Date JANUARY 1994	Dwg. No.
Drawn by R.T.M.	Scale 1: 50,000	N.T.S. No. 42-1

