010

N.T.S. MAPS 42 C/3 and 41 N/14
48° 00'N, 85° 28'W

CENTRAL CRUDE LTD.

Geological, Geochemical and Geophysical Report on the Eagle River Claims, Mishibishu Lake Area Sault Ste. Marie Mining Division, North Central Ontario

Rand G. Hodgson
Charles E. Page
December 6, 1983

TABLE OF CONTENTS

LIST OF FIGURES

APPENDICES

1. INTRODUCTION

This report describes a prospecting and geological mapping survey completed on the "Eagle River Claims" held by Central Crude Ltd., of 436 Adelaide Street West, Toronto, Ontario. The exploration work was performed by the Harbinson Mining and Oil Group, Suite 916, 111 Richmond Street West, Toronto, Ontario.

The initial reconnaissance work was carried out by a crew of six men during May and part of June, 1983. The program was aided by a helicopter-borne combined magnetic, electromagnetic and V.L.F.-E.M. survey flown over the property by Aerodat Ltd. Ten separate conductive trends were identified by the survey and examined on the ground.

A base map, scale of one inch to five hundred feet, was used to record the geology and the sample locations. One hundred and twenty-five (125) rock samples were analyzed for gold, silver, lead, zinc, copper and molybdenum. Pace and compass traverses were plotted with reference to the observed topography. Claim lines were also frequently used as traverse lines.

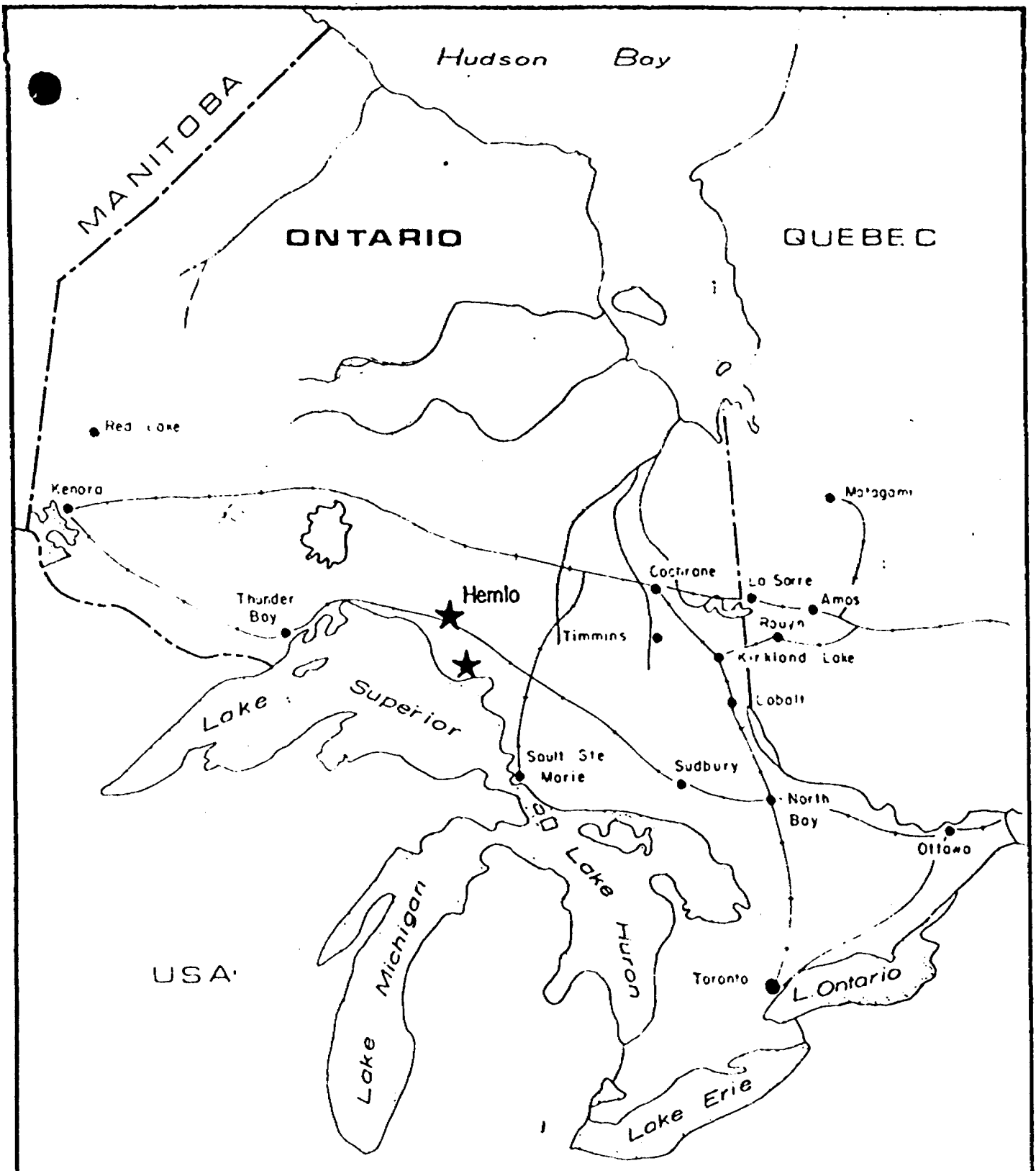
In response to several favourable gold assay results, an additional five-week program of detailed sampling and mapping was carried out on the property from September to October. Flagged grid lines were laid out at 200 foot intervals in four separate areas: northwest of Newt Lake; south of the Floating Heart River; south of Steep Rock Lake; and north of No Name Lake.

Detailed prospecting and sampling was carried out on these grids and an additional four hundred and fifty-eight (458) rock samples were analyzed. An E.M. 16 V.L.F. survey was conducted over the No Name Lake grid using 50 foot stations. In addition, a "B" horizon soil geochemical survey was completed over this same area.

2. PROPERTY DESCRIPTION, LOCATION AND ACCESSABILITY

The Eagle River property consists of one hundred and one (101) contiguous unpatented mining claims located on the east side of the lower limb of the Mishibishu lake volcanosedimentary belt (Claims Schedule - Appendix A).

The property is roughly thirty miles west of Wawa, Ontario, and seven miles south-southwest of Mishibishu Lake (Fig. 1, 2, 3). There are no roads, winter roads or power lines near the property. Fixed wing aircraft can land on Missing Lake, which provides access to the north part of the claim group. Reasonable access to the south part of the group requires the use of helicopter. Travel within the claim group is by foot.



CENTRAL CRUDE LIMITED

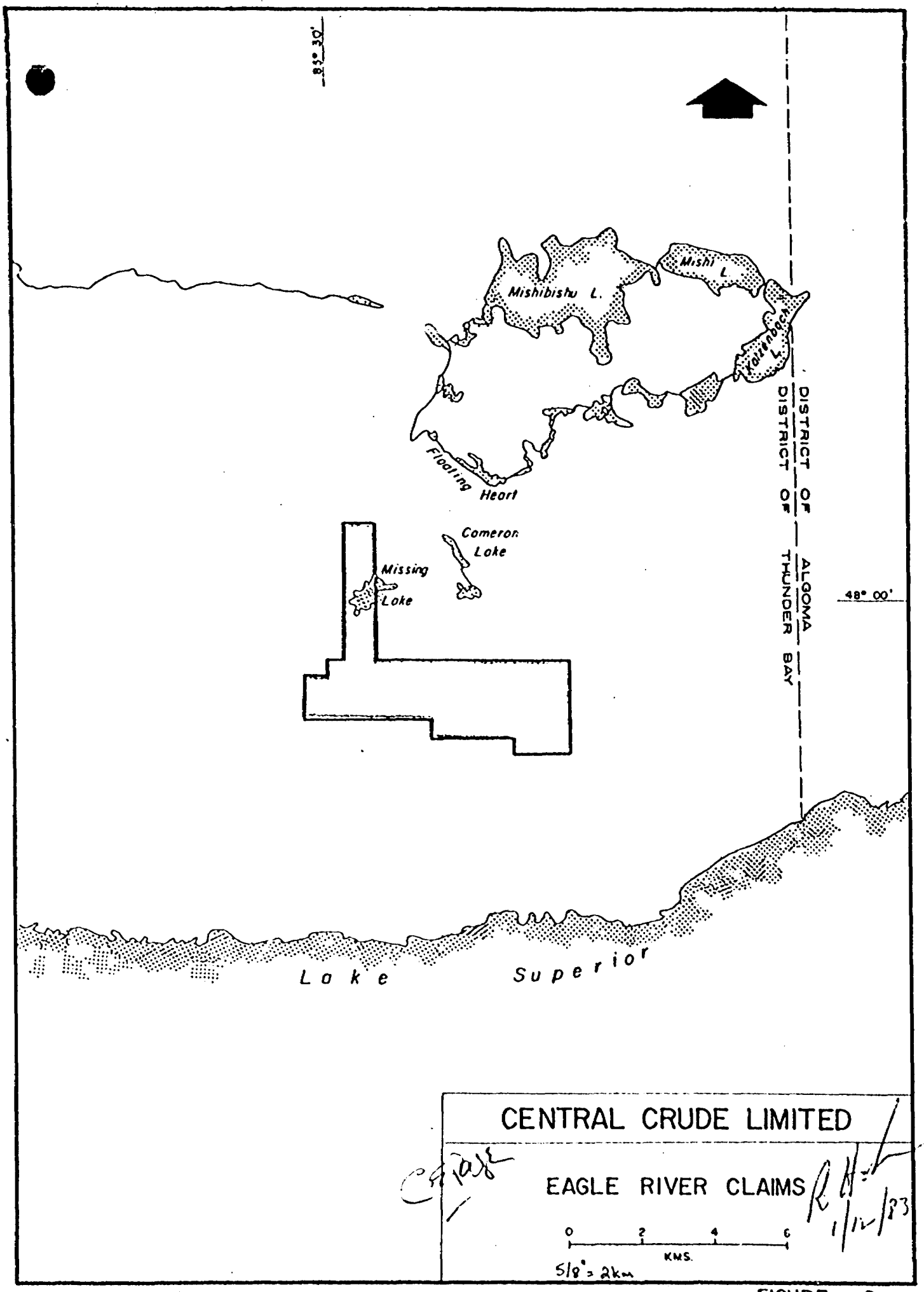
EAGLE RIVER CLAIMS
LOCATION MAP

1/12/83

KM / MILES 0 160 320 / 0 100 200 = 1 : 8,236,800

.75" = 100 MILES

FIGURE 1



CENTRAL CRUDE LIMITED

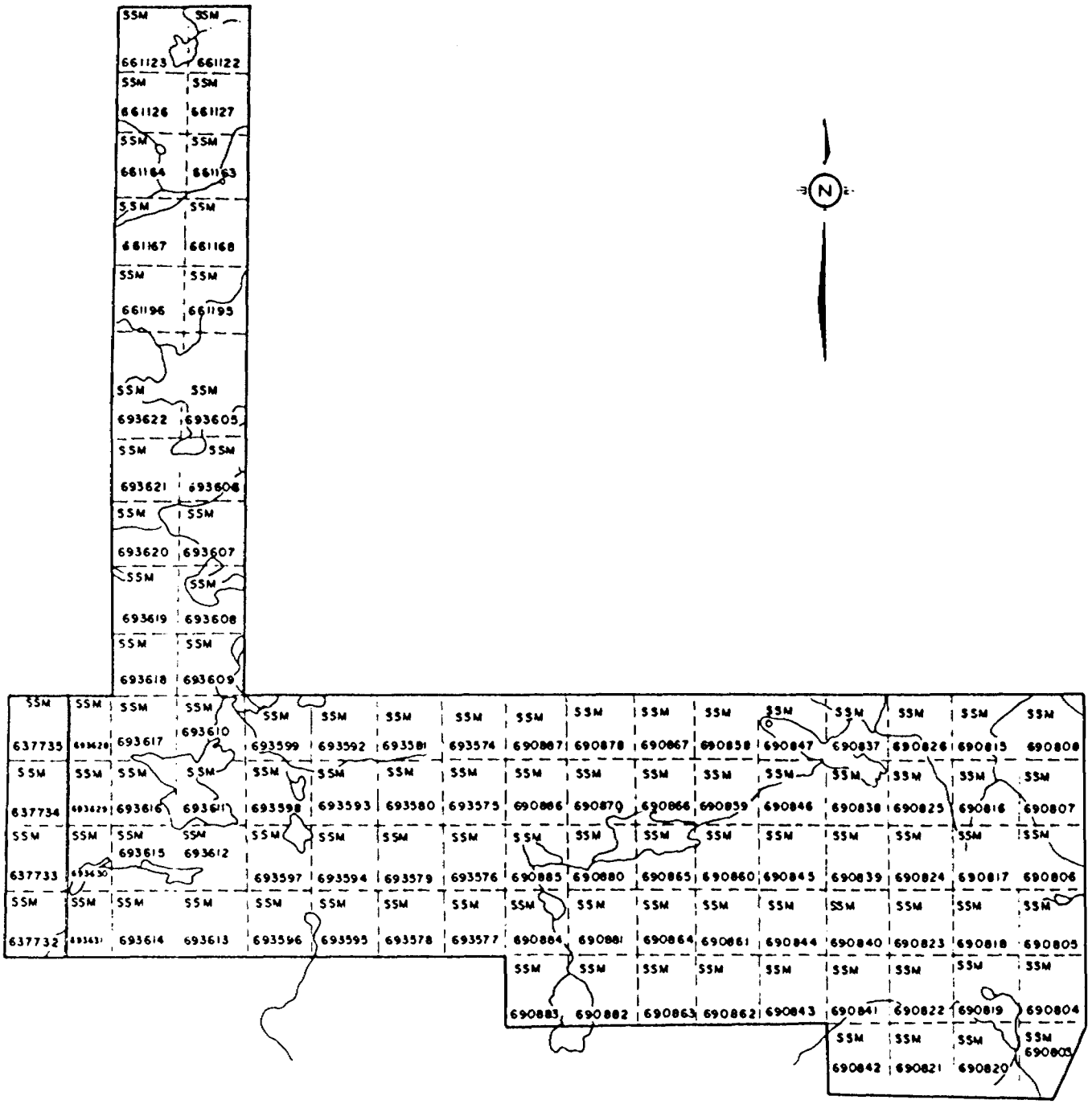
EAGLE RIVER CLAIMS

0 2 4 6
KMS.

5/8" = 2km

1/12/83

FIGURE 2



CENTRAL CRUDE LIMITED

EAGLE RIVER

CLAIMS MAP

0 1/2 1

MILES

1.25"

FIGURE 3

3. PHYSIOGRAPHY

The property is located in rugged terrain. North of Missing Lake, there are several parallel ridges which traverse the property from west to east. They have steep slopes and rise up to 300 feet above the valley floor. Large round outcrop hills separated by fault controlled river valleys occur in the southeast between No Name Lake and the Eagle River. These hills can occur up to 200 feet high. In the centre of the property, between No Name Lake and the Floating Heart River, the relief ranges from flat open bush to low hills and ridges.

Forest species include black spruce, white spruce, birch and balsam. Tag alders occupy the low, wet areas and maples frequently dominate the crests of the hills.

4. PREVIOUS EXPLORATION

There is very little work reported on this property. Ontario Department of Mines files show that there was a limited ground electromagnetic survey conducted by Asarco (1972). The survey is located roughly coincident with the airborne electromagnetic (A.E.M.) anomaly at the east end of No Name Lake on the south central part of the property. In 1957, Sand River Gold Mining conducted a dip-needle survey over the iron-formation ridges at the north end of the property. They drilled two holes just off the property to the east (on Missing Lake) and encountered greywackes and interbedded iron formation to a depth of roughly 400 feet.

Other companies that have been active on the area surrounding the property are Aylen Mines (1954), Falconbridge Nickel (1970), Noranda Exploration Co. (1978) and Amoco Canada Petroleum Co. Ltd. (1980). These exploration programs were localized and directed at specific showings or conductors. All results reported low assays of gold and base metals.

There is some evidence of grid lines in the vicinity of Newt Lake on the southwest corner of the property. Also there are a few old trenches and pits in the vicinity of No Name Lake. These evidences appear to be at least 10 years or older.

There has never been a systematic regional examination of this property or any other property in the Mishibishu Lake belt.

5. REGIONAL GEOLOGY

The "Eagle River" property traverses the lower limb of the Mishibishu Lake volcanosedimentary belt just to the west of the Eagle River. This belt of rocks is Archean in age and is located in the central position of the Wawa greenstone belt.

According to Ontario Ministry of Natural Resources, maps 2332 and 2333, (Geoscience Report 153, by Bennett and Thurston), the Mishibishu Lake belt is approximately 10 miles thick and extends from the shore of Lake Superior around Dog Harbour in the east, to the mouth of the Pukaskwa River in the west, a distance of about 35 miles. It is intruded by three major granite stocks and numerous related minor ones.

The Mishibishu Lake belt is composed of a complex series of interbedded mafic and felsic volcanic rocks and associated sediments. Magnetic and non-magnetic diabase dykes of considerable size, number and extent transect the region in numerous directions.

Figure 4

TABLE OF LITHOLOGIC UNITS OF THE MISHIBISHU LAKE VOLCANOSEDIMENTARY BELT (BENNETT AND THURSTON, 1977)

PRECAMBRIAN

LATE PRECAMBRIAN

KEWEENAWAN

Dacite

UNCONFORMITY

EARLY TO LATE PRECAMBRIAN

LATE MAFIC INTRUSIVE ROCKS

Diabase, Gabbro

INTRUSIVE CONTACT

EARLY PRECAMBRIAN (ARCHEAN)

INTERMEDIATE TO FELSIC INTRUSIVE ROCKS

KABENUNG LAKE STOCK AND MISHIBISHU LAKE STOCK

Porphyritic monzonite, quartz monzonite

BATHOLITHIC GRANITIC ROCKS

quartz monzonite, porphyritic granite, hybrid granite, migmatite, pegmatite, aplite, hornblende diorite-gneiss, biotite granite-gneiss

INSTRUSIVE CONTACT

METASEDIMENTS

Conglomerate, polymictic conglomerate, greywacke, arkose, sandstone arkose, argillite, slate, iron formation and ferruginous sandstone

METAVOLCANICS

FELSIC TO INTERMEDIATE METAVOLCANICS

Dacite to rhyolite flows, felsic to intermediate tuff and volcanic breccia, felsic to intermediate agglomerate, porphyritic dacite (intrusive), quartz-feldspar porphyry (flows and sills)

MAFIC TO INTERMEDIATE METAVOLCANCIS AND RELATED INTRUSIVE ROCKS

Basalt, andesite, amygdaloidal basalts, pillow basalt to andesite, porphyritic basalt, amphibolite, chlorite schist, gabbro, porphyritic gabbro

IRON FORMATION

6. GEOLOGICAL SURVEY

6.1 Property Geology

The rocks are well exposed on the property, with outcrop making up 20-40% of the total land mass. There are no major swampy areas, which allows for a fairly consistent exposure distribution. The units are well stratified, with consistent strikes in the 80^{o} - 100^{o} astronomic range (Fig. 5). The north area of the property covers the contact between a granite stock to the north and a series composed of banded oxide iron formation with interbedded massive mafic flows, siliceous sediments and minor sulphide facies iron formation to the south. Between Steep Rock Lake and Missing Lake to the south, the proportion of mafic flows increases greatly and the iron formations become much thinner and less common.

Passing through the centre of Missing Lake is a felsic volcanic unit with a strike of 80^{o} astronomic and a thickness of roughly 1,400 feet. It is a complex series of intercalated rhyodacite flows, tuffs, lapilli tuffs, agglomerates and minor andesite flows. From Missing Lake to and beyond the Floating Heart River to the south, the pyroclastic units continue to occur but become less common and less felsic.

South of Floating Heart Lake is a thick, uniformly mafic unit composed of fine-grained massive and pillowed flows. It extends to the top of Newt Lake where a 2,500-foot thick sequence of felsic pyroclastic and flow rocks extend east-west through the southern portion of the property for approximately 15,000 feet. It is along this unit that anomalous gold values have been encountered during the 1983 field season. On the north shore of Newt Lake, this unit is characterized by rhyolitic lapilli tuff and agglomerates with locally abundant pyritic matrix. These pyroclastic units are interbedded with felsic flows and sediments. Eastward along the strike, the felsic pyroclastic unit thickens in the vicinity of No Name Lake and becomes interbedded with mafic rocks. Between

Newt Lake and No Name Lake, the felsic pyroclastic unit appears disjointed which may be the result of displacement along a northwest-southeast trending fault. On the extreme eastern portion of the property, mafic flows appear to dominate and the continuation of the felsic pyroclastic unit is not clear.

To the south of the felsic units, the rocks grade into volcaniclastic sediments (primarily greywacke with interbedded mafic flows and tuffs). Further south are more mature, sorted mafic sediments. Minor oxide iron formations are found in these sediments interbedded with greywacke and flows. There is another unit of massive, coarse-grained mafic flows separating these sediments and the granite contact to the south.

A granodiorite batholith 7,000' x 1,700' in size intrudes the south-central portion of the property north of the felsic pyroclastic unit. This batholith is compositionally described as a granitic and displays migmatilic contacts with the volcanic rocks. A smaller altered granite body 800' x 400' in size intrudes the felsic pyroclastic unit in the vicincity of the No Name Lake gold occurrence.

Diabase dykes transect the property in primarily two directions, east-west and northeast-southwest.

6.2 Lithologies

felsic pyroclastics: Felsic pyroclastic rocks are the host lithology for the gold mineralization identified on the property. They are exposed extensively throughout the property. The vast majority of these rocks are highly siliceous lapilli tuffs and agglomerates. Dark grey-green whispy-shaped juvenile fragments make up 30% - 40% of the rock and are supported in a light grey siliceous fine grained matric (Fig. 6). These fragments can reach a length of six inches. The felsic pyroclastics traverse the property from the west, where they are interbedded with felsic flows and sediments, to the east, where they are interbedded with mafic flows.

Figure 6 - felsic lapilli tuff west of No Name Lake

felsic volcanic breccia: Exposed at the north end of Newt Lake is a brecciated rhyolitic unit. The fragments are highly siliceous and monolithic. They have been only slightly disturbed, suggesting a flow breccia. The matric is massive pyrite.

mafic pyroclastics: Darker, softer versions of the felsic pyroclastics occur locally. These mafic lapilli tuffs occur more frequently near or within the mafic volcanoclastic sediments at the south end of the property.

felsic flows: Flow banded rhyolites and rhyodacites occur in loose association with the felsic pyroclastics. Unlike the proclastics, which are complexly intercalated with other rock types, these felsic flows seem to occur as distinct units, usually above or below the main pyroclastic units. They are massive, fine grained and light to dark grey to pale green in colour. Concoidal fracture is common in the rhyolites. The dacites occasionally contain white euhedral plagioclase phenocrysts (1-3 mm. in diameter) and are amygdaloidal (east of No Name Lake).

mafic flows: The mafic flows occur extensively over a wide area. They exhibit a large range of features. They can be very fine grained, massive and dark similar to an unmetamorphosed basalt, but more often they are schistose and very coarse grained to the point where one might mistake them as intrusives. Textures present suggest that they are flows. Northeast of Steep Rock Lake, there is a garnetiferous pillow lava.

The mafic flows are commonly coarse grained and porphyritic with plagioclase phenocrysts up to 3 cm. in diameter. They are often metamorphosed to chlorite schists and occassionally to incipient amphibolites.

volcanoclastic sediments: A band of mafic greywacke-type sediments covers much of the south end of the property. These sediments are interbedded with mafic tuffs, mafic flows and locally more mature siltstones and oxide iron formation. Thin beds of barren massive pyrite are locally associated with these sediments.

sericite schists: Thin beds of sericite schists (1-3' thick) occur mainly in the southern portion of the property. They usually occur in association with other signs of alteration (eg. chloritization, increase in carbonate and sulfide concentrations). They are characteristically soft and fissile and are associated with disseminated and bedded sulfides.

intermediate-felsic intrusives: In addition to felsic dyke swarms associated with proximity to major granitic intrusives, two additional distinct separate intrusions occur on the property. The larger of the two is a granodiorite which measures 7,000 feet east-west and an estimated 1,700 feet north-south. It is centered 1,500 feet due north of No Name Lake and is open to the north. Approximately 200 feet south-west of this body is another smaller granitic intrusion measuring 800 feet east-west and 400 feet north-south. This small unit appears to be genetically separate from the other larger unit to the north. There are swarms of rust coloured quartz veins penetrating this intrusive and the tuffs adjacent to it. These veins are thin (4" up to 12") and are conformable to the regional geological trend. The intrusive appears to have been hydrothermally altered, displaying a granular, recrystallized, texture.

mafic intrusive: Diabase dykes are common on the property cutting all lithological units in a random fashion. They are generally fine-to-coarse grained with local magnetite concentrations.

Gabbros are less common, forming relatively small plugs. The largest measures approximately 300 feet by 600 feet. They appear to be associated mostly with a thick sequence of mafic flows which pass through the southern portion of the property.

iron formation: A thick sequence of iron formation transects the north limb of the property. These are primarily well banded oxide, carbonate and silicate iron formation with local sulfide facies. This sequence is intercalated with thick mafic flow units and thin sandstone, arkose, siltstone and graphitic argillitic units. The latter are commonly associated with bedded pyrite.

6.3 Structure

The structual geology of the property is not well known. Strikes are consistently 80^{o} - 100^{o} astronomic and dips are vertical to steeply north. The gold-bearing tuffs strike between 60^{o} - 140^{o} as they display local variation due to deformation. Pillow lavas consistently suggest north tops. Vesicle beds located in the south part of the property contradict this stratigraphic information and imply tops to the south. This possible reverse sequence stratigraphy and tops information could be interpreted as evidence for synclinal or anticlinal structures but no conclusive evidence for this has been determined on a broad scale.

In the No Name Lake area, local detailed mapping has revealed a possible synclinal structure with the axial surface conformable to the geology (approximately east-west). Minor folding of tuffaceous units have been mapped locally and are not attributed to major deformation at this time. Faults and strong lineaments cut the property in generally two directions: northeast to southwest and southeast to northwest as evidenced in air photos. Movement along these structures is unknown.

7. RECONNAISSANCE GEOPHYSICAL RESPONSES OF AEM CONDUCTORS

An EM-16 V.L.F. unit was utilized in the field to aid in the location of known A.E.M. targets on the ground. These A.E.M. targets were identified by an Aerodat Survey performed in the spring of 1983. This survey outlined seven electromagnetic responces and are described by Scott (1983) as weak to fair conductors. It was decided that, where time allowed, limited surveys would be completed over each conductor once it had been located and prospected.

These surveys usually consist of 3 parallel north-south lines, 400' apart and 1,000' long. Navigation was by pace and compass using air photographs. Cutler, Maine was the transmitter station and readings were taken 100' apart and closer near cross-over locations. The in phase and quadrature readings were recorded.

Due to time restrictions, it was decided to forego these surveys where the conductor could be explained (eg. if graphite outcropped or if an old drill set-up were found near the cross-over). A short summary of the geophysical prospecting results are listed below. The conductor cross-overs are located on the geology map (Fig. 5 a, b) and are all associated with the southern No Name Lake gold zones.

Conductor "LL": unexplained conductor in mafic volcanic sediments interbedded with mafic flows with disseminated pyrite. The conductor is strong, well-defined and is associated with a weak gold geochemical anomaly. A rock sample taken at the cross-over analyzed 9 ppb. gold.

Conductor "MM": This conductor was indicated by the AEM to be located south of "LL". Attempts to locate this conductor failed and no samples were taken.

Conductor "NN": Unexplained in overburden. It occurs within a sedimentary unit and the cross-over appears wide and weak. Humus samples associated with this conductor analyzed up to 100 ppb gold.

Conductors "OO", "PP", "QQ":

These are three parallel closely spaced conductors. They are narrow and strong, in interbedded mafic tuffs, greywacke and foliated mafic flows. Rock samples analyzed reported 17 and 5½ ppb gold. Humus samples analyzed reported 15, 10, 14 ppb gold. No conductive rocks were discovered on surface.

Conductor "SS": This conductor is a wide weak cross-over on a low hill extending west from Newt Lake. Local outcrops are silty sediments and banded amphibolized mafic flows with disseminated pyrite. Rocks analyzed 18 ppb gold. Humus analyzed less than 5 ppb gold.

Conductor "TT": This conductor gave a wide, weak response. A rock sample taken from the estimated cross-over location reported anomalous gold values. (188 ppb gold, 2.2 ppm silver, 300 ppm copper). Humus samples analyzed less than 5 ppb gold. The rock-type is arkosic sediment with semi-massive pyrite.

8. MINERALIZATION

Figure 7b displays the results of the preliminary prospecting and rock sampling program which was carried out simultaneously with the geological survey. The elements gold, silver, copper, lead, zinc and molybdmum were analyzed by Technical Services Laboratories in Mississauga. Gold was recorded in ppb, Ag in ppm and Cu, Pb, Zn and Mo both in percent and ppm.

From this sampling program, four anomalous rock geochemical gold zones have been identified to date on the property. These zones are outlined on Figure 7b as shaded areas and are described as:

1. Steep Rock Lake Gold Zone
2. Missing Lake Gold Zone
3. Newt Lake - Floating Heart River Gold Zone
   and
4. No Name Lake Gold Zone.

Of the other elements analyzed, no sigificant consistent enrichment was noted. The gold zones all trend east-west and appear conformable to the statigraphy of the area. Detailed descriptions of the zones are given below.

8.1 Steep Rock Lake Gold Zone

This 1,000 foot thick zone is located in the northern portion of the property and is associated with an oxide-sulphide iron formation horizon interbedded with mafic flows and clastic metasediments (Fig. 8). This iron formation unit strikes N80^{o}E and dips steeply to the north. A rock sampling program carried out in this area indicates anomalous gold values up to 980 ppb occurring in altered mafic flows, associated quartz veins and sulphide-rich portions of the iron formation (Fig. 9). Sulphides occur as minor disseminated pyrite, pyrrhotite and chalcopyrite. Slightly greater than background values of Cu and Zn are associated with this iron formation horizon.

8.2 Missing Lake Gold Zone

The Missing Lake Gold Zone occurs approximately 1,200 feet south of the Steep Rock Lake Zone in a similar geologic environment of interbedded oxide-sulphide iron formation, metasediments and mafic flows (Fig. 7a). Between the two zones is a 1,200-foot thick sequence of massive mafic volcanic rocks. The Missing Lake Zone strikes N80°E dips steeply north and occurs up to 1,000 feet thick. The southern portion of the Missing Lake Zone terminates at the contact with a unit composed of felsic tuffs and intermediate to felsic volcanics. Low gold values up to 26 ppb are recorded in the Missing Lake Zone associated with altered mafic flows, quartz veins and iron formation. No enrichment of the other elements analyzed were recorded in this horizon.

8.3 Floating Heart-Newt Lake Gold Zones

This zone is located approximately 4,000 feet south of the Missing Lake Zone and occurs in steeply north dipping altered mafic flows that contain disseminated pyrite and pyrrhotite. This zone is approximately 1,200 feet thick and trends N80°E (Fig. 7a). Two grids were established on this zone to prospect the ground in detail.

The Floating Heart River grid (Fig. 10) is underlain predominantly by altered mafic flows which display local carbonatization, silicification and pyritization. Of 22 rock samples taken from this area, gold values ranged from less than 5 ppb to 2600 ppb (Fig. 11). The higher gold values are associated with samples taken from altered mafic flows containing diseminated pyrite or quartz veins. Of the other elements analyzed, only background values were recorded.

The Newt Lake grid is located southwest of the Floating Heart River area and is also underlain by altered mafic flows. (Fig. 12). A detailed sampling program was initiated in this area following encouraging reconnaissance prospecting results. Of 86 additional samples additional taken from various outcrops displaying Fe-oxidation and silicification, gold values ranged from less than 5 ppb to 2,090 ppb. The higher values are associated to areas where intense alteration and quartz veining is encountered. On the whole, approximately 90% of all the results indicate an above background gold response greater than 10 ppb (Fig. 13b). No significant enrichment of the other elements analyzed was encountered in this area.

8.4 No Name Lake Gold Zone

The No Name Lake Zone extends through almost the entire southern portion of the property for approximately 3 1/2 miles (Fig. 7b). It is made up of 3 segments described as the eastern, central and western units. This zone is characterized by felsic pyroclastic rocks consisting of lapilli tuffs and agglomerates interbedded with the mafic flows. The zone occurs up to 100 feet thick, strikes generally east-west and dips steeply at 80^{o} to the north.

The west unit of the No Name Lake Zone extends for approximately 7,000 feet and the reconnaissance rock geochemical sampling carried out indicates anomalous gold values up to 280 ppb occuring in portions of the felsic pyroclastic units associated with disseminated pyrite. Of 18 samples taken from this western unit, gold values range from less than 5 ppb to 250 ppb, with 30% greater than 50 ppb (Fig. 7b). On the extreme eastern portion of this unit, an anomalous Cu value (1,250 ppb) is associated with a sample taken from an altered mafic flow containing disseminated sulphides. No other elements analyzed were anomalous in this unit.

The East unit of the No Name Lake Gold Zone is located in the south eastern portion of the property and extends for approximately 2,000 feet. The actual dimensions of this zone is unclear as only limited sampling has taken place. This zone is identified by 5 reconnaissance rock samples which ranged from less than 5 ppb to 350 ppb gold (Fig. 7b). One of the samples also ran 2,400 ppm Cu. This zone is underlain by altered mafic flows and anomalous gold values are associated to small conformable quartz veins with local concentrations of pyrite. Although this eastern unit of the No Name Lake Zone is geologically uncharacteristic of the felsic western zones, it is considered to be associated due to its similar stratigraphic positon.

The central unit of the No Name Lake Zone entends for 8,000 feet in the south-central portion of the property and to date has received the most detailed exploration. On the initial reconnaissance program, 22 rock samples were analyzed for gold and values ranged from less than 5 ppb to greater than 1,000 ppb (Fig. 7b). Approximately 5% of the samples were greater than 50 ppb. The highest sample, #755, was checked by fire assays and returned a value of .408 oz. Au/ton. This high assay is associated to a 2 1/2 foot thick quartz vein which was originally traced for approximately 200 feet. Based on this encouragement, a program of detailed geological mapping, sampling, geophysics and soil geochemistry was initiated on a flagged grid which extends for 4,000 feet. This program was carried out in September and October of 1983 and the results are described below.

8.4.1 Geological Mapping

The geological mapping reveals a 1,000 to 1,400 foot thick sequence of felsic pyroclastic rocks interbedded with mafic flows (Fig. 14). This unit which extends for the entire length of the gird is bounded

to the north by granitic and to the south by mafic flows and metasediments. A small altered granodicrite body 800 ' x 400' in size intrudes the felsic pyroclastic-mafic flow unit north-west of No Name Lake. Along the north boundary of the felsic pyroclastic unit just south of the granodiorite contact is a 50 to 400 foot thick sequence of felsic to intermediate flows. Also the southeastern limit of this pyroclastic unit typified by a 400-foot thick sequence of felsic and intermediate flow rocks. This repetition of geological units at the north and south contacts combined with folding indicated northeast of No Name Lake suggests that this portion of the No Name Lake gold zone may represent a synclinal structure. Diabase dykes cut the geology in this grid area in three directions, northeast - southwest, northwest - southeast and north-south.

The initial discovery of this gold zone is located on line 00, 100 feet north of the base line, on the western side of No Name Lake. Here a 2 1/2 - 4 thick semi-conformable quartz vein occurs in a lapilli tuff near the contact of a mafic flow. This vein which ran up to .77 oz. gold/ton can be traced in outcrop for approximately 350 feet, striking generally east-west and dipping 50^{o} to the north. At the northeast corner of No Name Lake on line 14E, 100 feet south of the base line, similar quartz was found in boulders at the base of the stream. A sample from these quartz boulders analyzed .10 oz. gold/ton. Further east, auriferous quartz again occurs in lapilli tuff on line 18E, 50 feet south of the base line. This is believed to be part of the same quartz vein system located 2,000 feet away on the west shore of No Name Lake.

Approximately 200 feet south of the quartz vein system on line 2E is an altered tuffaceous unit containing disseminated pyrite. This 4 to 6 foot thick unit also contains anomalous gold (up to 1,000 ppb) and is bounded to the north and south by felsic lapilli tuffs.

On the western side of the small granitic body, on line 3W, 620 feet north of the baseline, anomalous gold values ranging up to .11 oz. gold/ton occurs in disseminated sulphides near the contact of lapilli tuff and chlorite schist. Along the strike of this occurrence in the north-east corner of the grid is a similar disseminated sulphide bearing tuff containing low gold values.

8.4.2 Sampling Program

Sampling of the No Name Lake grid was carried out following the stripping of favourable horizons with a Wajax Pump. The sampling procedure consisted of grab samples taken from gossans or quartz vein areas. Samples were obtained from fresh rock exposures and where this was not available, small trenches and potholes were blasted. In areas where proper channel samples could be obtained a diamond saw was used to cut 2 inch wide channels which were sampled in 1 foot intervals. The samples were analyzed for gold in Mississauga by Technical Services Laboratories using the atomic absorption-fire assay method. Any reading in excess of 1,000 ppb was assayed in ounces per ton using the standard fire assay method.

Figure 15 displays the location of the grab and channel sampling along with assay results. A total of 206 grab samples were analyzed for gold of which 67, or 33 percent, were anomalous running greater than 50 ppb. An anomalous trend has evolved from this sampling which extends for approximately 2,400 feet through the north end of No Name Lake (Fig. 15). This 300 foot thick horizon is conformable to the prevously described felsic pyroclastic sequence. In this zone, gold values up to .77 oz/ton are associated to mineralized quartz veins and gossanous areas containing disseminated pyrite.

From seven channels cut within this gold zone, three recorded anomalous values (Fig. 15). Channel F is located at the western end of the zone across a quartz vein. The 2-foot thick quartz vein was sampled by a grab which ran .408 oz. gold/ton. The north wall rock contact ran .072 oz. gold/ton over 2 feet and the south contact ran .017 oz. gold/ton over 1 foot. Across the 5 feet, this zone averaged .195 oz. gold/ton. In channel H, located 200 feet south of the quartz vein system, an altered felsic tuff averaged .047 oz. gold/ton over 2 feet or 580 ppb over 4 feet. Channel I taken in the same vicinity analyzed 484 ppb over 5 feet.

Another anomalous area is located on line 8W, 600 feet north of the base line where grab samples taken from a chlorite schist near the contact of a granite, ranged from 110 to 1,000 ppb gold. Channel L is represented from this area and returned .076 oz. gold/ton, over 2 feet and 436 ppb gold over 7 feet.

Anomalous gold values are also located in an area 200 feet north of the zone which runs through No Name Lake. This area requires more sampling in order to test the presence of a continuous horizon.

8.4.3 Geophysics

An EM-16 V.L.F. survey was performed over the No Name Lake grid on 50 foot stations using Cutler, Maine as the transmitter. The in-phase data is profiled on Figure 16 and conductors are marked and labelled. Figure 17 presents the contoured Fraser filter data.

Conductor A represents a weak to moderate cross-over located in an area covered by overburden in the western portion of the grid (Fig. 16, 17). This conductor extends for 400 feet and is coincidental with AEM response "NN" which occurs near the contact of lapilli tuff and volcanoclastic wacke. The conductor appears to be situated in the wacke and may represent disseminated sulphides. The VLF survey should be continued to the east and west of this conductor as it remains open.

Conductor B is located on the south central portion of the grid and is represented by a broad weak cross-over (Fig. 16, 17). This 500 foot long conductor appears to be tracing the geological contact of a diabase dyke which traverses mafic flows and lapilli tuff in a west-northwest - east-southeast direction.

Conductor C is located on the northwest portion of the grid and displays a weak, sharp crossover response (Fig. 16, 17). This conductive zone is disjointed between lines 14E and 16E but displays an overall length of 1,600 feet. This conductor represents a conformable zone of disseminated sulphides in felsic lapilli tuff. Sampling of these sulphide zones analyzed up to 140 ppb gold.

Conductor D is the strongest response of the survey and is located at the southeast corner of No Name Lake. This conductor has been traced for 400 feet and remains open in both directions. It is associated with AEM response "LL" and occurs in metasedimentary rock near the contact with mafic flows. Conductor D may be related to Conductor A located 4,000 feet to the west. A continuation of the survey is required to test this suggestion.

Conductor E on the Fraser Filter data, (Fig. 17) is a very weak response and reveals no classic crossover. However, it does suggest a weak conductive zone which intermittently extends for approximately 2,000 feet through the north end of No Name Lake. This conductive zone is coincidental with the quartz vein gold horizon which extends through this area as previously discussed.

8.4.4 Geochemical Soil Survey

A soil sampling survey was performed over the No Name Lake grid at 100 foot stations. At all stations, the "B" soil horizon was always attempted, but due to lack of soil development in certain areas, approximately 30 stations were organically sampled and ten stations yielded no sample at all. The samples were analyzed at Technical Service Laboritories of Mississauga, Ontario by the atomic absorption-fire assay method.

Background gold values in the "B" horizon soil were assigned less than 5 ppb, "above background" 5 ppb to 20 ppb, "slightly anomalous" 20 to 60 ppb and "anomalous" greater than 60 ppb. The results of the survey are plotted on Figure 18 and contoured using 20 ppb intervals.

Four anomalous gold trends have been identified:

Anomaly A: Located on the western portion of the grid on line 20W/400S. This trend is centered around a one station, 100 ppb anomaly and displays an east-west orientation. This soil anomaly is associated with A.E.M. conductor "NN" and V.L.F. conductor A (Fig. 17).

Anomaly B: Located on line 4W/500 to 800S. Here three anomalous soil samples reported 225 ppb, 65 ppb and 300 ppb. The actual trend of this anomaly is questionable but may be associated with V.L.F. conductor B (Fig. 16).

Anomaly C: Located in the northeast portion of the grid and represented by three anomalous stations having values of 70 ppb, 40 ppb and 35 ppb. This trend is traced for 800 feet and is associated with V.L.F. conductor C (Fig. 16, 17). This trend is reflecting an auriferous sulphide zone located in felsic lapilli tuff (Fig. 14).

Anomaly E: Consists of two anomalous areas which combine to form one trend (Fig. 18). The E anomaly is located west of No Name Lake on lines 2E, 4E, 2W and 8W, centered along the base line. Here values of 20, 60, 90 and 150 ppb are recorded. The E_2 anomaly is located northeast of No Name Lake on lines 20E, 18E and 16E. Here 160 ppb, 35 ppb, 35 ppb and 45 ppb values are recorded. These two anomalous areas combine to form a trend which extends for 3,400 feet through the north end of No Name Lake. This trend is associated to weak V.L.F. conductor E (Fig. 16) and traces the felsic pyroclastic gold horizon previously described.

9. SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

Four anomalous gold zones have been identified on Central Crude's 101 claim property in the Mishibishu volcanosedimentary Belt. These zones are described as:

1. Steep Rock Lake Gold Zone
2. Missing Lake Gold Zone
3. Newt Lake-Floating Heart River Gold Zone
4. No Name Lake Zone

The Steep Rock Lake and the Missing Lake Gold Zones are located in the northern portion of the property and are associated to 1,000 foot thick sequences of interbedded iron formation, metasediments and mafic flows. In these zones, gold values up to 980 ppb are recorded in rocks containing quartz veins and disseminated sulphides.

The Newt Lake-Floating Heart River Gold Zone is located in the central portion of the property and represents a 1,200 foot thick sequence of altered mafic flows. These rocks locally contain disseminated sulphides and quartz veins which carry up to 2,000 ppb gold.

The No Name Lake Gold Zone is located in the southern portion of the property and is made up of three segments which combine to form a 3 1/2 mile horizon. Detailed work was carried out in the central portion of this zone in the vicinity of No Name Lake. Here, a 1,000 to 1,400 foot thick sequence of felsic pyroclastic rocks interbedded with mafic flows has been mapped for 4,000 feet. Within this unit, a gold zone recording values up to .77 oz. gold/ton has been traced for 2,000 to 3,400 feet by geological mapping, rock sampling, geophysics and soil geochemistry. The anomalous gold values associated to this zone are recorded in the vicinity of semi-concordant quartz-veins and disseminated sulphide zones. Two other anomalous gold areas occur within this same pyroclastic unit and are located stratigraphically above and below this main zone.

In conclusion, the potential for defining economic mineralization on the Central Crude property appears good and additional exploration is warranted. The main target for further detailed exploration is the pyroclastic and sedimentary units which traverses east-westerly the southern portion of the property (No Name Lake Zone). Additional prospecting and geophysics is also required to further evaluate the initial responses on the Steep Rock Lake, Missing Lake and Newt Lake-Floating Heart River Gold Zones.

The next phase of exploration should consist of the following:

No Name Lake Central Zone

a) Establish a cut control grid over the area and carry out a magnetometer survey. V.L.F. responses should be further tested with an IP survey. This program should be large enough to extend past the anomalous zone to the south.

b) A shallow diamond drill program is recommended to crossection the pyroclastic unit along two sections, say four holes per section at 250 feet per hole for a total of 2,000 feet.

c) Diamond drill areas with significant gold enrichment along the 2,400 foot long gold horizon which trends through the north end of No Name Lake. Say 8 holes at 200 feet per hole for a total of 1,600 feet.

d) Diamond drill test the coincidental soil geochemical-V.L.F. conductor response located on line 20W/400S. Say one 40 foot hole. Total drilling in b, c and d is 4,000 feet.

Remaining Property

a) Detail geological map and prospect the remainder of the No Name Lake Gold Zone. This should include local geophysical surveys and soil geochemical surveys in ares of encouragement.

b) Detail prospect the Steep Rock Lake, Missing Lake and Newt Lake-Floating Heart River Gold Zones. This should include local geophysical and soil geochemical surveys in areas of interest.

c) Follow-up diamond drilling, if warranted.

REFERENCES

Bennett, G., and Thurston, P.C., 1977, Geology of the Pukaskwa River - University River Area, Geoscience Report 153, Ontario Ministry of Natural Resources, 1977.

Scott, F., 1983, Report on combined helicopter-borne magnetic, electromagnetic, and V.L.F. - E.M. survey of the Eagle River claims, Mishibishu Lake area, Ontario, by Aerodate, Ltd., Private Company Report..

APPENDIX A

CLAIMS SCHEDULE

Claim No.	Recording Date	In Good Standing To
SSM 637732 - 637735 incl.	November 16, 1982	November 16, 1985
SSM 661122-23-26-27	November 2, 1982	November 2, 1985
661163-64-67-68	November 2, 1982	November 2, 1985
661195-96	November 2, 1982	November 2, 1985
SSM 690803 - 690808 incl.	November 19, 1982	November 19, 1985
690815 - 690826 incl.	November 19, 1982	November 19, 1985
690837 - 690847 incl.	November 19, 1982	November 19, 1985
690858 - 690867 incl.	November 19, 1982	November 19, 1985
690878 - 690887 incl.	November 19, 1982	November 19, 1985
SSM 693574 - 693581 incl.	November 19, 1982	November 19, 1985
693592 - 693599 incl.	November 19, 1982	November 19, 1985
693605 - 693622 incl.	November 19, 1982	November 19, 1985
693628 - 693631 incl.	November 19, 1982	November 19, 1985

APPENDIX B

STATEMENT OF QUALIFICATIONS

I, Rand G. Hodgson, of Toronto, Ontario, do hereby certify that:

1. I am a geologist presently residing at 43 Saint Olaves Road, Toronto, Ontario, M6S 3H5.

2. I am a graduate in earth science of the Universtiy of Waterloo, B.Sc. (1977).

3. I have practised my profession in northern Ontario for six years.

4. I was involved in the mapping and supervision of mapping of the property during the summer of 1983 and I have disclosed in this report all relevant material which, to the best of my knowledge, might have a bearing on the viability of the project or the recommendation.

5. I have no beneficial interest in the property discussed in this report nor do I expect to receive any in the future.

Rand G. Hodgson, B.Sc.
Toronto, Ontario
December 1, 1983

STATMENT OF QUALIFICATIONS

I, Charles E. Page of Burlington, Ontario, do hereby certify that:

1. I am a geologist residing at 1454 Westbury Avenue, Burlington, Ontario, L7P 1M2.

2. I am a graduate of Brock University, St. Catharines, Ontario (1975, B.Sc.) and the University of Waterloo (1983, M.Sc.).

3. I have practised my profession in Ontario for eight years and have visited the property twice during this exploration program.

4. I have not, directly or indirectly, received or expect to receive any interest, direct or indirect, in the property or benefically own, directly or indirectly, any securities of Central Crude Ltd. or any affilicate.

Charles E. Page, M.Sc.
Burlington, Ontario
December 6, 1983

Central Crude Ltd. figure 13.1

Eagle River Claims

Newt Lake Grid

Assay results table (supplement to fig. 13)

	Au(ppb)	Au oz/ton	Ag(ppm)	Cu%
529	20		1.4	
530	130		0.3	0.01
544	40		0.2	-
545	60		0.2	-
546	50		0.2	-
547	50		-0.2	-
548	50		0.2	-
549	40		-0.2	-
550	50		-0.2	-
551	60		-0.2	-
552	40		0.2	-
553	50		0.2	-
554	2090	.008	0.8	0.02
555	140		0.2	-
557	70		-	-

	Au(ppb)	Ag (ppm)	Cu (ppm)	Mo(ppm)	Pb (ppm)	Zn (ppm)
802	21	0.7	164	-2	3	27
803	16	1.1	137	4	3	73
804	13	0.7	137	-2	3	196
805	14	0.6	64	4	2	26
806	14	0.8	105	-2	3	22
807	14	2.1	106	-2	-1	150
808	10	0.8	59	-2	1	62
809	34	1.0	650	-2	6	25
810	10	0.8	33	-2	2	57
811	15	0.7	13	-2	3	56
812	-5	0.4	110	-2	1	68
813	21	0.6	14	-2	4	60
814	12	0.9	42	-2	1	71
815	8	0.5	52	-2	2	43
816	12	0.7	29	2	3	45
817	8	0.6	31	-2	1	51
818	7	0.4	54	12	1	28
819	12	0.8	28	2	-1	48
820	10	0.9	74	-2	5	20
821	15	0.5	26	6	7	58
822	12	0.4	4	-2	3	9
823	15	1.1	117	-2	2	80
824	56	0.8	64	-2	1	31
825	10	0.7	18	2	3	25
826	15	0.7	43	-2	2	22
827	14	1.2	142	2	1	54
828	17	1.6	153	2	2	106
829	18	0.7	21	-2	2	23
830	17	0.6	92	-2	1	28
831	13	1.3	217	-2	8	63

	Au (ppb)	Ag (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
[illegible]	+1000	1.2	770	-2	20	36
833	18	1.1	750	-2	33	30
834	12	0.7	93	2	3	24
835	13	0.6	64	-2	1	30
836	19	0.5	59	-2	4	13
837	6	0.7	28	-2	2	36
838	170	0.5	6	2	1	42
839	24	0.6	61	4	1	24
841	23	1.6	215	-2	-1	59
842	16	1.0	21	-2	2	38
843	19	1.1	87	-2	2	40
844	14	1.1	50	-2	-1	40
845	16	1.3	104	-2	-1	85
846	16	0.6	115	-2	-1	36
847	15	0.8	24	-2	1	51
848	17	0.4	55	-2	-1	15
849	14	1.1	56	-2	-1	78
850	73	1.1	103	-2	-1	71
851	14	1.3	28	-2	-1	120
852	15	2.0	210	-2	4	51
853	13	0.9	55	-2	-1	70
854	10	0.7	84	-2	-1	46
855	14	0.8	49	-2	-1	45
856	9	1.0	46	-2	-1	67
858	14	2.3	93	12	-1	37
859	13	1.8	66	2	-1	34
860	12	0.9	68	8	-1	31
861	17	0.9	111	-2	-1	25
862	16	1.3	84	2	-1	72
863	16	1.2	64	6	-1	45
864	10	1.2	390	-2	-1	74
865	57	1.4	750	4	-1	31
866	12	1.2	76	-2	5	31
867	12	1.1	91	-2	-1	78
868	11	1.1	170	-2	-1	39
869	14	0.7	64	2	-1	47
870	12	1.5	20	-2	-1	115
871	26	0.7	150	-2	-1	38
872	15	0.8	37	-2	1	90
873	13	0.5	23	-2	-1	61
1046	30	1.1	580	-2	42	25
1047	-5	1.6	13	-2	-2	220

	Au (ppb)	Au (oz/ton)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
798	-5		.3	30	6	82	-2
799	70		1.8	2400	5	63	-2
800	350		.9	160	1	57	-2
801	20		.5	66	1	68	-2
840	11		1.1	130	-1	68	-2
857	15		0.8	140	-1	72	-2
874	13		0.5	176	2	20	10
1252	45						
1253	55						
1254	15						
1255	-5						
1256	-5						
1257	10						
1277	65						
1278	10						

	Au(ppb)	Au(oz/ton)	Ag(ppm)	Cu%	Pb%	Zn%	Mo%
569	65		-	-			
570	-5		0.2	0.02			
571	-5		0.4	-			
572	-5		0.4	0.01			
573	-5		0.2	0.01			
574	-5		0.2	-			
575	-5		0.2	-			
576	-5		0.2	-			
585	-5						
586	-5						
587	-5						
588	-5						
589	-5						
590	-5						
591	-5						
592	-5						
594	-5						
595	-5						
596	-5						
600	70		0.2	0.01	-	-	0.01
607	40		0.2	-0.01	-	-	-0.01
615	60		0.2	0.02	-	-	-0.01
616	30		0.2	-0.01	-	-	-0.01
617	60		0.2	-0.01	-	-	-0.01
619	20		0.2	0.02	-	-	0.01
620	30		-0.2	-0.01	-	-	-0.01
621	40		0.2	-0.01	-	-	-0.01

... TORONTO-DOMINION BANK
111 RICHMOND ST. WEST
TORONTO ONTARIO

DATE OCTOBER 25, 1983

PAY

No 067

$ 1,386.50

TECHNICAL SERVICE LABORATORIES
1301 FEWSTER DRIVE
MISSISSAUGA, ONTARIO
L4W 1A2

WASABI RESOURCES ...

OFFICE COPY
NOT NEGOTIABLE

WASABI RESOURCES LTD.
THE ABOVE CHEQUE IN FULL PAYMENT OF ITEMS HEREON No 067

PARTICULARS		DISTRIBUTION	
INVOICE # 23433, 23440	$1,386 50	ADVANCE CENTRAL CRUDE GEOLOGY & SAMPLING	$1,386 50

CERTIFIED CORRECT ______ ACCOUNTANT

C-41

23433
A8229
23343

TECHNICAL SERVICE LABORATORIES
DIVISION OF BURGENER TECHNICAL ENTERPRISES LIMITED
1301 FEWSTER DR., MISSISSAUGA, ONTARIO L4W 1A2
TELEPHONE: (416) 625-1544

CHARGE TO
Harbinson Mining & Oil Group
Suite 916 111 Richmond St. W.
Toronto Ontario
M5H 2G4

DATE Oct.20/83 REFERENCE NO. t4638 YOUR ORDER NO.
SHIP TO Mr. R. Hodgson
TERMS: NET 30 DAYS

CODE		DESCRIPTION	UNIT PRICE	TOTAL
2.5	87	Determinations of Au by FA/AA	6.25	543.75
8.5	87	Sample preparations	0.50	43.50
		TOTAL		587.25
		DELIVERY CHARGES		25.25
		PAY THIS AMOUNT		612.50

INVOICE ...

CODE		DESCRIPTION	UNIT PRICE	TOTAL
2.5	86	Determinations of Au by FA/AA	6.25	537.50
8.5	86	Sample Preparations of Rock	2.75	236.50
		TOTAL		774.00
		PAY THIS AMOUNT		774.00

WASABI RESOURCES LTD.

OFFICE COPY
NOT NEGOTIABLE

№ 065

PAY

WASABI RESOURCES LTD.
THE ABOVE CHEQUE IN FULL PAYMENT OF ITEMS HEREON № 065

PARTICULARS		DISTRIBUTION	
	$1,378 70	ADVANCE CENTRAL CRUDE GEOLOGY & SAMPLING	$1,378 70

CERTIFIED CORRECT ______ ACCOUNTANT

C.41

23406

TECHNICAL SERVICE LABORATORIES

DIVISION OF BURGENER TECHNICAL ENTERPRISES LIMITED

1301 FEWSTER DR., MISSISSAUGA, ONTARIO L4W 1A2
TELEPHONE: (416) 625-1544

A8229
23406

CHARGE TO

Harbinson Mining & Oil Group
Suite 916 111 Richmond St. W.
Toronto Ontario
M5H 2G4

DATE	REFERENCE NO.	YOUR ORDER NO.
Oct. 18/83	T4528	

SHIP TO
Mr. R. Hodgson

TERMS: NET 30 DAYS

CODE		DESCRIPTION	UNIT PRICE	TOTAL
2.5	105	Determinations of Gold by FA/AA	6.25	656.25
8.5	105	Sample Preparations of Soil	.50	52.50
		TOTAL		708.75
		DELIVERY CHARGES		21.10
		PAY THIS AMOUNT		729.85

OK C.E.Page
C.Cavile

CODE		DESCRIPTION	UNIT PRICE	TOTAL
2.5	93	Determinations of Au by FA/AA	6.25	581.25
8.5	93	Sample Preparations of Soil	0.50	46.50
		TOTAL		627.75
		DELIVERY CHARGES		21.10
		PAY THIS AMOUNT		648.85

OK C.E.Page
C.Cavile

916-111 RICHMOND STREET WEST, TORONTO, ONTARIO

THE TORONTO DOMINION BANK
111 RICHMOND ST. WEST
TORONTO, ONTARIO

№ 057

DATE: October 27, 1983

PAY

$ [illegible]

TO THE ORDER OF: [illegible] Laboratories

WASABI RESOURCES LTD.

AUTHORIZED SIGNATURE

OFFICE COPY
NOT NEGOTIABLE

WASABI RESOURCES LTD.
THE ABOVE CHEQUE IN FULL PAYMENT OF ITEMS HEREON № 057

PARTICULARS		DISTRIBUTION	
Invoice # 23355	$648 75	Advance Central Crude Geology & Sampling	$648 75

CERTIFIED CORRECT _____ ACCOUNTANT

23355

TECHNICAL SERVICE LABORATORIES
DIVISION OF BURGENER TECHNICAL ENTERPRISES LIMITED
1301 FEWSTER DR., MISSISSAUGA, ONTARIO L4W 1A2
TELEPHONE: (416) 625-1544

A8229
23355

CHARGE TO	DATE	REFERENCE NO.	YOUR ORDER NO.
Harbinson Mining & Oil Group Suite 916 111 Richmond St. W. Toronto Ontario M5H 2G4	Oct. 11/83	T4518	/
	SHIP TO Mr. R. Hodgson		
			TERMS: NET 30 DAYS

CODE		DESCRIPTION	UNIT PRICE	TOTAL
5.2	51	Determinations of Au by FA/AA	6.50	331.50
2.2	9	Determinations of Au by FA	6.50	58.50
1.2	2	Determinations of Cu	7.75	15.50
5.2	51	Sample Preparations	2.75	140.25
		TOTAL		545.75
		DELIVERY CHARGES		25.00
		PAY THIS AMOUNT		570.75

OK C.P.R.

INVOICE—PLEASE [illegible]

CODE		DESCRIPTION	UNIT PRICE	TOTAL
5.2	7	Determinations of Gold by FA/AA	6.25	43.75
	7	Sample Preparation	2.75	19.25
		TOTAL		63.00
		DELIVERY CHARGES		15.00
		PAY THIS AMOUNT		78.00

[illegible] 1145

WASABI RESOURCES LTD.

916 - 111 RICHMOND STREET WEST, TORONTO, ONTARIO (H 20[illegible]

THE TORONTO-DOMINION BANK
111 RICHMOND ST. WEST
TORONTO, ONTARIO

№ 031

[illegible] 1983

PAY

TO THE ORDER OF

TECHNICAL SERVICE LABORATORIES
1301 FEWSTER DRIVE
MISSISSAUGA, ONTARIO
L4W 1A2

WASABI RESOURCES LTD.

AUTHORIZED SIGNATURE

AUTHORIZED SIGNATURE

OFFICE COPY
NOT NEGOTIABLE

WASABI RESOURCES LTD.
THE ABOVE CHEQUE IN FULL PAYMENT OF ITEMS HEREON № 031

PARTICULARS		DISTRIBUTION	
INVOICE # 23254	$166 50	ADVANCE CENTRAL CRUDE GEOLOGY	$166 50

C-58

CERTIFIED CORRECT ACCOUNTANT

TECHNICAL SERVICE LABORATORIES

INVOICE NO. 23254

A8229
23254

DIVISION OF BURGENER TECHNICAL ENTERPRISES LIMITED
1301 FEWSTER DR., MISSISSAUGA, ONTARIO L4W 1A2
TELEPHONE: (416) 625-1544

CHARGE TO
Harbinson Mining & Oil Group
Suite 916 111 Richmond St. W.
Toronto Ontario
M5H 2G4

DATE	REFERENCE NO.	YOUR ORDER NO.
Sept.27/83	t4464	/

SHIP TO Mr. R. Hodgson

TERMS NET 30 DAYS

		DESCRIPTION	
1.5	18	Determinations of Au by Fire Assay	117.00
	18	Sample Preparation	49.50
		TOTAL	166.50
		PAY THIS AMOUNT	166.50

OK C.E. [illegible]
C.CRUDE

166 - Advance Central Crude, Geology & Geophysics [illegible] 166.50

INVOICE - PLEASE ENCLOSE COPY OF INVOICE WITH PAYMENT

WASABI RESOURCES LTD.

910 - 111 RICHMOND STREET WEST, TORONTO, ONTARIO M5H 2G4

THE TORONTO-DOMINION BANK
111 RICHMOND ST. WEST
TORONTO, ONTARIO

№ 045

TO THE ORDER OF

TECHNICAL SERVICE LABORATORIES
... DRIVE
MISSISSAUGA ONTARIO

WASABI RESOURCES LTD.

AUTHORIZED SIGNATURE

OFFICE COPY
NOT NEGOTIABLE

WASABI RESOURCES LTD.
THE ABOVE CHEQUE IN FULL PAYMENT OF ITEMS HEREON № 045

PARTICULARS		DISTRIBUTION	
INVOICE # 23295	$413.25	ADVANCE CENTRAL CRUDE GEOLOGY	$413.25

CERTIFIED CORRECT ____ ACCOUNTANT

C-39

TECHNICAL SERVICE LABORATORIES

DIVISION OF ... TECHNICAL ENTERPRISES LIMITED

1301 FEWSTER DR., MISSISSAUGA, ONTARIO L4W 1A2
TELEPHONE: (416) 625-1544

INVOICE NO. 23295

A8229

CHARGE TO
Harbinson Mining & Oil Group
111 Richmond St. W., Suite 916,
Toronto, Ont.
M5H 2G4

DATE	REFERENCE NO.	YOUR ORDER NO.
Sept 30/83	T 4503	

SHIP TO
Attn. Mr. R. Hodgson

TERMS: NET 30 DAYS

	DESCRIPTION	UNIT PRICE	TOTAL
	41 [illegible]		
	41 [illegible] Au		
	2 Determination of Copper		
			$388.25
	+ Percolator [illegible]		$ 25.00
			$413.25

CK. CE F...
C Central Crude

TECHNICAL SERVICE LABORATORIES
DIVISION OF BURDEN ENTERPRISES LIMITED
1301 FEWSTER DR., MISSISSAUGA, ONTARIO L4W 1A2
TELEPHONE: (416) 625-1544

23178
A8229

Robinson Mining & Oil Group
Suite 916 111 Richmond St. W.
Toronto Ontario
M5H 2G4

DATE: Sept.19/83 | REFERENCE NO. | YOUR ORDER NO.

SHIP TO: Mr. R. Hodgson

TERMS: NET 30 DAYS

CODE		DESCRIPTION	UNIT PRICE	TOTAL
5.2	38	Determinations of Au by FA/AA	7.00	266.00
2.2	38	Determinations of Ag Cu Mo Pb & Zn	4.10	155.80
2.2	38	Aqua Regia Digestions	1.60	60.80
5.2	38	Sample Preparations of Rock	2.75	104.50
		TOTAL		587.10
		DELIVERY CHARGES		25.25
		(Collect Charges + Pick Up Charges from Bus Depot)		
		PAY THIS AMOUNT		612.35

OK C&E Page
C.Crude-Wasabi

INVOICE -- PLEASE ENCLOSE COPY OF INVOICE WITH PAYMENT

TERMS: NET 30 DAYS

CODE		DESCRIPTION	UNIT PRICE	TOTAL
2.5	13	Determinations of Au by FA/AA	7.00	91.00
2.2	13	Determinations of Ag Cu Mo Pb & Zn	4.10	53.30
2.2	13	Aqua Regia Digestions	1.60	20.80
8.5	13	Sample Preparations	2.75	35.75
1.5	1	Determination of Au by FA	8.50	8.50
		TOTAL		209.35
		DELIVERY CHARGES		17.85
		PAY THIS AMOUNT		227.20

OK C&E Page
C.Crude-Wasabi

INVOICE -- PLEASE ENCLOSE COPY OF INVOICE WITH PAYMENT

TECHNICAL SERVICE LABORATORIES
DIVISION OF BURDEN ENTERPRISES LIMITED
1301 FEWSTER DR., MISSISSAUGA, ONTARIO L4W 1A2
TELEPHONE: (416) 625-1544

A8229
23192

Robinson Mining & Oil Group
Suite 916 111 Richmond St. W.
Toronto Ontario

DATE: Sept.19/83 | REFERENCE NO. | YOUR ORDER NO.

SHIP TO: Mr. R. Hodgson

CODE		DESCRIPTION	UNIT PRICE	TOTAL
2.5	26	Determinations of Au by FA/AA	7.00	182.00
2.2	26	Determinations of Ag Cu Mo Pb & Zn	4.10	106.60
2.2	26	Aqua Regia Digestions	1.60	41.60
2.5	26	Sample Preparations	0.70	18.20
		TOTAL		348.40
		DELIVERY CHARGES		26.25
		PAY THIS AMOUNT		374.65

OK C&E Page
C.Crude-Wasabi

910 - 111 RICHMOND STREET WEST TORONTO, ONTA...

TORONTO DOMINION BANK
1 RICHMOND ... WEST
TORONTO, ONTARIO

No 02...

SEPTEMBER 27, 19..

PAY $2,405.95

TECHNICAL SERVICE LABORATORIES

WABASI RESOURCES LTD

OFFICE COPY
NOT NEGOTIABLE

...ABI RESOURCES LTD.
...ABOVE CHEQUE IN FULL PAYMENT OF ITEMS HEREON No 028

PARTICULARS		DISTRIBUTION	
...OICE # 23221, 23177, 23178, 23201 23192	$2,405 95	ADVANCE CENTRAL CRUDE GEOLOGY/SAMPLING	$2,405 95

C-31

CERTIFIED CORRECT ____ ACCOUNTANT

5.2	60	Determinations of Au by FA/AA	7.00	420.00
2.2	60	Determinations of Ag Cu Mo Pb & Zn	4.10	246.00
2.2	60	Aqua Regia Digestions	1.60	96.00
5.2	60	Sample Preparations of Rock	2.75	165.00
		TOTAL		927.00
		PAY THIS AMOUNT		927.00

OK C.E.P. CCRUDE - Wasabi

INVOICE NO. 23221

TECHNICAL SERVICE LABORATORIES

DIVISION OF BURGENER TECHNICAL ENTERPRISES LIMITED
1301 FEWSTER DR., MISSISSAUGA, ONTARIO L4W 1A2
TELEPHONE: (416) 625-1544

A8229
23221

...ANCE TO	DATE	REFERENCE NO.	YOUR ORDER NO.
Harbinson Mining & Oil Group ... 915 111 Richmond St. W.	Se...	T...	

1.5	27	Determinations of Au F.A.	6.50	175.50
8.5	27	Sample Preparations of Rock	2.75	74.25
		TOTAL		249.75
		DELIVERY CHARGES		15.00
		PAY THIS AMOUNT		264.75

OK C.E.P.

THE TORONTO DOMINION BANK
111 RICHMOND ST. WEST
TORONTO, ONTARIO

916 111 RICHMOND STREET WEST, TORONTO, ONTARIO

№ 077

DATE NOVEMBER 1, 1983

PAY

$555.45

TO THE ORDER OF

TECHNICAL SERVICE LABORATORIES
1301 FEWSTER DRIVE
MISSISSAUGA, ONTARIO
L4W 1A2

WASABI RESOURCES LTD.

OFFICE COPY
NOT NEGOTIABLE

WASABI RESOURCES LTD.
THE ABOVE CHEQUE IN FULL PAYMENT OF ITEMS HEREON № 077

PARTICULARS		DISTRIBUTION	
INVOICE # 23476, 23478	$555 45	ADVANCE CENTRAL CRUDE GEOLOGY	$555 45

CERTIFIED CORRECT ________ ACCOUNTANT

Toronto Ontario
M5H 2G4

SHIP TO Mr. R. Hodgson

TERMS: NET 30 DAYS

CODE		DESCRIPTION	UNIT PRICE	TOTAL
5.2	23	Determinations of Au by FA/AA	6.25	143.75
8.5	23	Sample Preparations	2.75	63.25
		TOTAL		207.00
		DELIVERY CHARGES ($56.70 Collect Charges + $15.00 Pickup from Bus Depot)		71.70
		PAY THIS AMOUNT		278.70

TECHNICAL SERVICE LABORATORIES
DIVISION OF BURGENER TECHNICAL ENTERPRISES LIMITED
1301 FEWSTER DR., MISSISSAUGA, ONTARIO L4W 1A2
TELEPHONE: (416) 625-1544

INVOICE NO.
23478

A8229
23478

CHARGE TO
Harbinson Mining & Oil Group
Suite 916 111 Richmond St. W.
Toronto Ontario
M5H 2G4

DATE Oct.27/83 REFERENCE NO. t4632 YOUR ORDER NO. /

SHIP TO Mr. R. Hodgson

2.5	41	Determinations of Au by FA/AA	6.25	256.25
8.5	41	Sample Preparations	0.50	20.50
		TOTAL		276.75
		PAY THIS AMOUNT		276.75

23476
23478

555.45 Advance Central Crude Geology 555.45

913-111 RICHMOND STREET WEST, TORONTO, ONTARIO

THE TORONTO-DOMINION BANK
111 RICHMOND ST. WEST
TORONTO, ONTARIO

№ 080

DATE Nov 2, 1983

PAY

$ 1,324.00

TO THE ORDER OF

TECHNICAL SERVICE LABORATORIES
1301 FEWSTER DRIVE
MISSISSAUGA, ONTARIO
L4W 1A2

WASABI RESOURCES LTD.

OFFICE COPY
NOT NEGOTIABLE

WASABI RESOURCES LTD.
THE ABOVE CHEQUE IN FULL PAYMENT OF ITEMS HEREON № 080

PARTICULARS		DISTRIBUTION	
INVOICE # 23482, 23381	$1,324 00	ADVANCE CENTRAL CRUDE GEOLOGY	$1,324 00

CERTIFIED CORRECT _____ ACCOUNTANT

C.A2

M5H 2G4

CODE		DESCRIPTION	UNIT PRICE	TOTAL
2.5	100	Determinations of Au by FA/AA	6.25	625.00
1.5	10	Determinations of Au by FA	6.50	65.00
2.2	1	Determination of Cu & Ag	5.00	5.00
8.5	100	Sample Preparations	2.50	250.00
		TOTAL		945.00
		PAY THIS AMOUNT		945.00

INVOICE NO.
23481

TECHNICAL SERVICE LABORATORIES
DIVISION OF SUPERIOR TECHNICAL ENTERPRISES LIMITED
1301 FEWSTER DR., MISSISSAUGA, ONTARIO L4W 1A2
TELEPHONE: (416) 625-1544

A8229
23481

CHARGE TO
Harbinson Mining & Oil Group
Suite 916 111 Richmond St. W.
Toronto Ontario
M5H 2G4

DATE	REFERENCE NO.	YOUR ORDER NO.
Oct.27/83	t4679	/

SHIP TO Mr. R. Hodgson

CODE		DESCRIPTION		
1.5	4	Determinations of Au by FA	6.50	26.00
2.5	34	Determinations of Au by FA/AA	6.25	212.50
2.2	8	Determinations of Cu	2.50	20.00
2.2	1	Determination of Zn	2.50	2.50
8.5	34	Sample Preparations	2.50	85.00
8.3	1	Whole Rock Determination for Major Oxides	33.00	33.00
		TOTAL		379.00
		PAY THIS AMOUNT		379.00

1,324

916 111 RICHMOND STREET WEST, TORONTO, ONTARIO M5H 2G4

THE TORONTO-DOMINION BANK
111 RICHMOND ST. WEST
TORONTO ONTARIO

№ 105

DATE

PAY

$

TO THE ORDER OF TECHNICAL SERVICE LABORATORIES

WASABI RESOURCES LTD.

AUTHORIZED SIGNATURE

OFFICE COPY
NOT NEGOTIABLE

WASABI RESOURCES LTD.
THE ABOVE CHEQUE IN FULL PAYMENT OF ITEMS HEREON № 105

PARTICULARS		DISTRIBUTION	
INVOICE # 23692, 23758	$369 50	ACC-GEOLOGY	$369 50

CAS

CERTIFIED CORRECT _____ ACCOUNTANT

CODE		DESCRIPTION	UNIT PRICE	TOTAL
2.2	41	Determinations of Au by N.A.A. N.A.A. - organic	7.00	287.00
		TOTAL		287.00
		PAY THIS AMOUNT		287.00

AB - FA. Samples for humous.
OK C.Page
(Accidental Crude - note this bill is already charged to Crude. See Invoice 23692 Vol 2)

INVOICE – PLEASE ENCLOSE COPY OF INVOICE WITH PAYMENT

23758

TECHNICAL SERVICE LABORATORIES
DIVISION OF SUPERIOR TECHNICAL ENTERPRISES LIMITED
1301 FEWSTER DR., MISSISSAUGA, ONTARIO L4W 1A2
TELEPHONE: (416) 625-1544

A8229
23758

CHARGE TO
Harbinson Mining & Oil Group
Suite 916 111 Richmond St. W.
Toronto Ontario
M5H 2G4

DATE Nov.30/83 REFERENCE NO. t504 YOUR ORDER NO.

SHIPPED Mr. R. Hodgson

CODE		DESCRIPTION	UNIT PRICE	TOTAL
1.5	5	Determinations of Au by Fire Assay	6.50	32.50
2.5	8	Determinations of Au by FA/AA	6.25	50.00
		TOTAL		82.50
		PAY THIS AMOUNT		82.50

Already charged to C.Crude
OK C.Page

WASABI RESOURCES LTD.

916 - 111 RICHMOND STREET WEST, TORONTO, ONTARIO M5[illegible] 3[illegible]

[illegible]HE TORONTO [illegible] MINION BANK
111 RICHMO[illegible] ST. WEST
TORONTO, ONTARIO

№ 092

[illegible]ATE [illegible] 25, 1[illegible]

PAY

$30.00

[illegible] THE ORDER OF

[illegible] ASSAY LABORATORIES LIMITED
[illegible] LESLIE STREET
[illegible] HILLS, ONTARIO
[illegible]

WASABI RESOURCES LTD.

AUTHORIZED SIGNATURE

AUTHORIZED SIGNATURE

OFFICE COPY
NOT NEGOTIABLE

[illegible]ASABI RESOURCES LTD.
[illegible]E ABOVE CHEQUE IN FULL PAYMENT OF ITEMS HEREON № 092

PARTICULARS		DISTRIBUTION	
INVOICE # 19716	$30.00	ADVANCE CENTRAL CRUDE GEOLOGY	$30.00

CERTIFIED CORRECT [signature] ACCOUNTANT

C-43

[illegible]	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
	PULP ON HAND H0913541		

QUANTITY		DESCRIPTION METHOD	CODE	UNIT COST	AMOUNT
1.	1	ZN MINIMUM CHARGES APPLIED AGAINST THIS INVOICE	50, 5, 0, 0, 0, 0	7.00	

OK C.E.B[illegible]
Central Crude

I # 19716 | 30.00 | Advance Central Crude Geology | 30.00

SHIPPING CHARGES	CUSTOM BROKERAGE	TELEX	MINIMUM CHARGES 30.00	$ 30.00
OTHER			[illegible]	
			[illegible]	$ 30.00

WASABI RESOURCES LTD.

916 - 111 RICH... .D STREET WEST, TORONTO, ONTARIO M... 2G4

THE TORONTO-DOMINION BANK
111 RICHMOND ST. WEST
TORONTO, ONTARIO

Nº 090

DATE NOVEMBER 25, 1983

PAY

$ 649.50

TO THE ORDER OF
TECHNICAL SERVICE LABORATORIES
1301 FEWSTER DRIVE
MISSISSAUGA, ONTARIO
L4W 1A2

WASABI RESOURCES LTD.

AUTHORIZED SIGNATURE

AUTHORIZED SIGNATURE

OFFICE COPY
NOT NEGOTIABLE

WASABI RESOURCES LTD.
THE ABOVE CHEQUE IN FULL PAYMENT OF ITEMS HEREON Nº 090

PARTICULARS		DISTRIBUTION	
INVOICE # 23589	$649 50	ADVANCE CENTRAL CRUDE GEOLOGY	$649 50

CERTIFIED CORRECT ______ ACCOUNTANT

C 43

TECHNICAL SERVICE LABORATORIES
DIVISION OF BURGENER TECHNICAL ENTERPRISES LIMITED
1301 FEWSTER DR., MISSISSAUGA, ONTARIO L4W 1A2
TELEPHONE: (416) 625-1544

INVOICE NO. 23589
A8229
23589

CHARGE TO
Harbinson Mining & Oil Group
Suite 916 111 Richmond St. W.
Toronto Ontario
M5H 2G4

DATE	REFERENCE NO.	YOUR ORDER NO.
Nov.11/83	t4755	/

SHIP TO Mr. R. Hodgson

TERMS: NET 30 DAYS

CODE	DESCRIPTION		UNIT PRICE	TOTAL
2.5	94	Determinations of Au by FA/AA	6.25	587.50
8.5	94	Sample Preparations	0.50	47.00
		TOTAL		634.50
		DELIVERY CHARGES		15.00
		PAY THIS AMOUNT		649.50

OK CE Page — 4755
C Crude

INVOICE – PLEASE ENCLOSE COPY OF INVOICE WITH PAYMENT

42C03SW0101 41N14NW0014 MISHIBISHU LAKE

900

Mining Lands Section | **File No** 27660

Control Sheet

TYPE OF SURVEY

- ✓ GEOPHYSICAL
- ✓ GEOLOGICAL
- ____ GEOCHEMICAL
- ✓ EXPENDITURE

MINING LANDS COMMENTS: 3-85

~~typo on work report 1108870 should be 1108879~~

~~[illegible] 1108870 [illegible] 1108879 [illegible]~~

~~[illegible] 10.5 days EM~~

3 claims have no indication of traversing

[illegible]

LD

[illegible signature]

Signature of Assessor

10/2/85

Date

Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) Geological

Township or Area Pilot Harbour Area

Claim Holder(s) Central Crude Ltd.

436 Adelaide Street West, Toronto, Ontario

Survey Company Wa[illegible] Resources Ltd.

Author of Report C.E. Page

Address of Author 916 - 111 Richmond Street W. Toronto

Covering Dates of Survey May 22, 1983 - October 25, 1933
(linecutting to office)

Total Miles of Line Cut 14.7 cut, 46.3 flagged

SPECIAL PROVISIONS CREDITS REQUESTED		DAYS per claim
ENTER 40 days (includes line cutting) for first survey.	Geophysical	
	–Electromagnetic	
	–Magnetometer	
	–Radiometric	
ENTER 20 days for each additional survey using same grid.	–Other	
	Geological	40
	Geochemical	

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: Jan 4 1985 SIGNATURE: C.E. Page
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

OFFICE USE ONLY

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
SSM	637732
"	637733
"	637734
"	637735
SSM	661122
"	661123
SSM	661126
"	661127
SSM	661163
"	661164
SSM	661167
"	661168
SSM	661195
"	661196
SSM	690803
"	690804
"	690805
"	690806
"	690807
"	690808
SSM	690815
"	690816

TOTAL CLAIMS 101

If space insufficient, attach list

837 (5/79)

SSM 690817
690818
690819
690820
690821
690822
690823
690824
690825
690826
SSM 690837
690838
690839
690840
690841
690842
690843
690844
690845
690846
690847
SSM 690858
690859
690860
SSM 690861
690862
690863
690864
690865
690866
690867
SSM 690878
690879
690880
690881
690882
690883
690884
690885
690886
690887
SSM 693574
693575
693576
693577
693578
693579
693580
693581
SSM 693592
693593
693594
693595
693596

SSM 693597
693598
693599
SSM 693605
693606
693607
693608
693609
693610
693611
693612
693613
603614
693615
693616
693617
693618
693619
693620
693621
693622
SSM 693628
603629
693630
693631

Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) Geophysical - electromagnetic VLF

Township or Area Pilot Harbour Area

Claim Holder(s) Central Crude Ltd.
436 Adelaide Street W. Toronto, Ont.

Survey Company Wasabi Resources Ltd.

Author of Report C.E. Page

Address of Author 916 - 111 Richmond St. W. Toronto, Ont.

Covering Dates of Survey May 25, 1983 - October 25, 1983
(linecutting to office)

Total Miles of Line Cut 7.8

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

	DAYS per claim
Geophysical	
–Electromagnetic	14
–Magnetometer	
–Radiometric	
–Other	
Geological	
Geochemical	

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: June 5, 1985 SIGNATURE: C.E. Page
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
SSM	690859
SSM	690860
SSM	690865
SSM	690866
SSM	690870
SSM	690880
SSM	690885
SSM	690886
SSM	693575
SSM	693576

If space insufficient, attach list

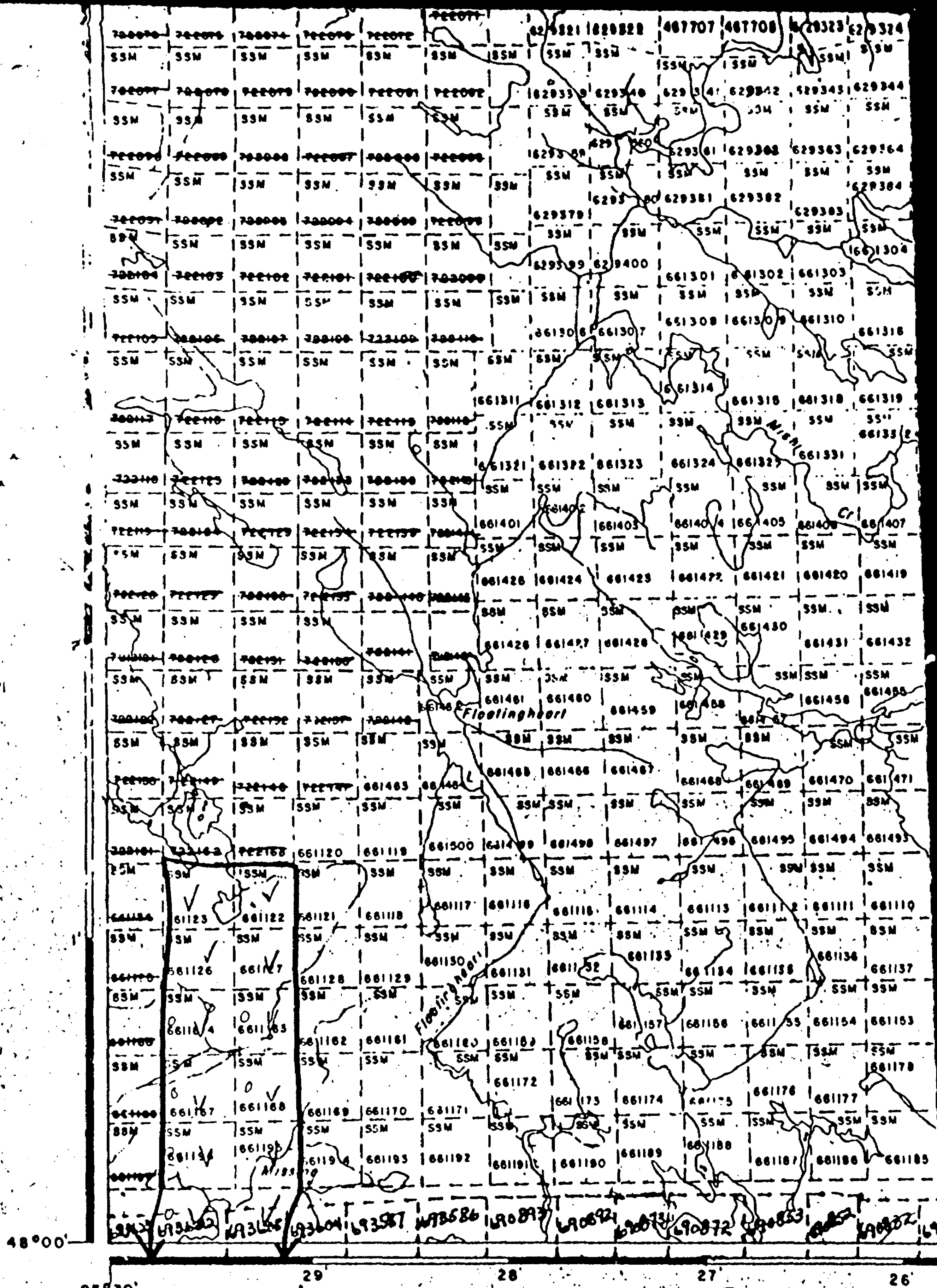
TOTAL CLAIMS 10

837 (5/79)

85°30

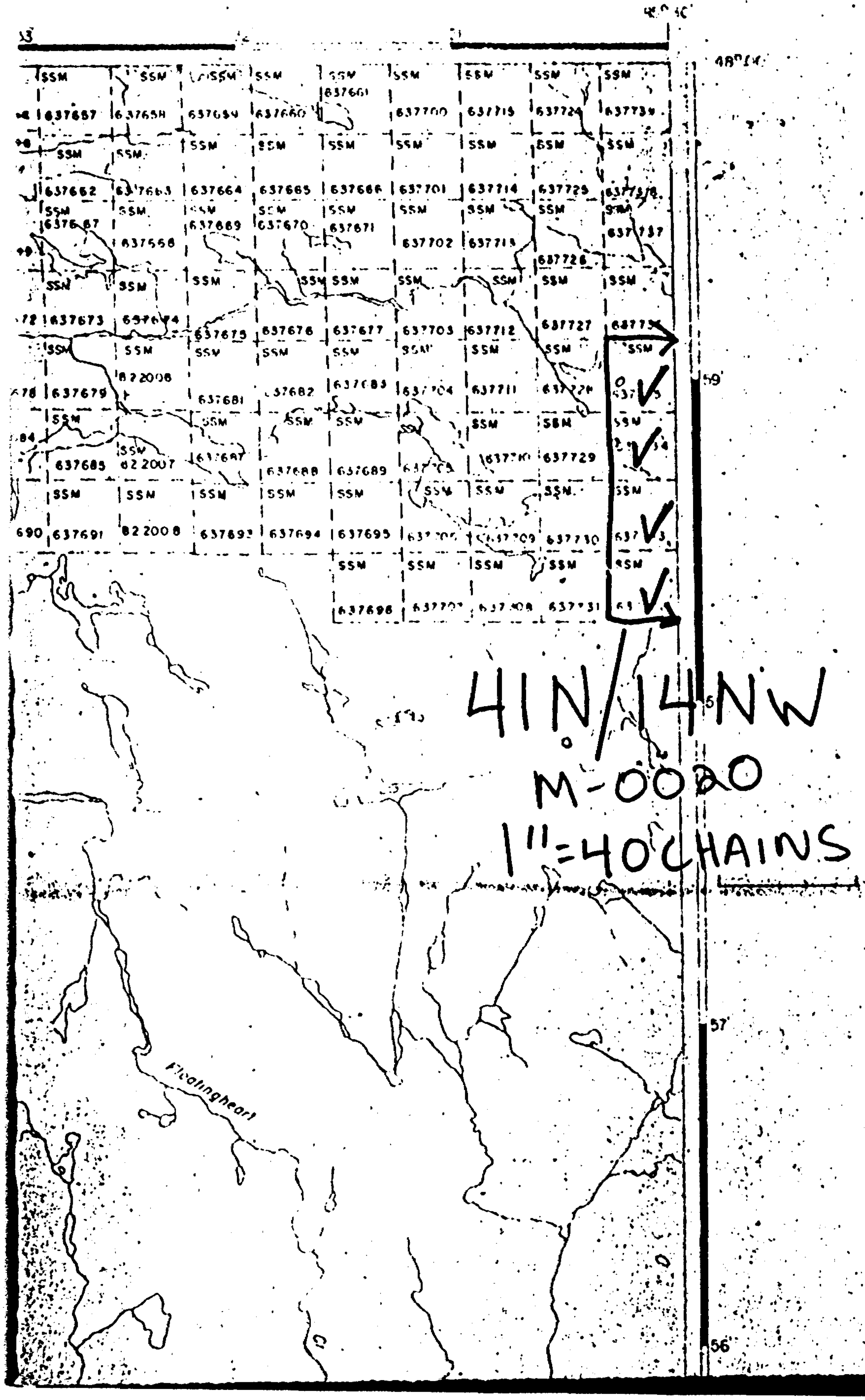
48°00

41N/14NW
M-0006
1"= 40 CHAINS



41N/14NW M-0007

1" = 40 CHAINS



AREA OF

PILOT HA

DISTRIC
THUNDER

SAULT STE
MINING D

SCALE: 1-INCH

LEGE

PATENTED LAND
CROWN LAND SALE
LEASES
LOCATED LAND
LICENSE OF OCCUPATION
MINING RIGHTS ONLY
SURFACE RIGHTS ONLY
ROADS
IMPROVED ROADS
KING'S HIGHWAYS
RAILWAYS
POWER LINES
MARSH OR MUSKEG
MINES

NOTE

400' Surface Rights Reservatic
rivers.

Land under Lake Supe
from staking by Ord
dated April 30, 1912

N plotted in error See File

Natural Resources
Ontario

Work Breakdown

1. Type of Survey Geological

2. Township or Area Pilot Harbour Area

3. Numbers of Mining Claims Traversed by Survey SSM 637732, 637733, 637734, 637735, 661122, 661123, 661126, 661127, 661163, 661164, 661167, 661168, 661195, 661196, 690803, 690804, 690805, 690806, 690807, 690808, 690815, 690816, 690817, 690818, 690819, 690820, 690821, 690822, 690823, 690824, 690825, 690826, 690837, 690838, 690839, 690840, 690841, 690842, 690843, 690844, 690845, 690846, 690847, 690858, 690859, 690860, plus see attached list

4. Number of Miles of Line Cut 14.7 cut, 46.3 flagged Flown -

*5. Number of Stations Established

*6. Make and type of Instrument Used

*7. Scale Constant or Sensitivity

*8. Frequency Used and Power Output

9. Summary of Assessment Credits (details on reverse side)

Total 8 hour Technical Days (Include Consultants, Draughting etc.) 220

Total 8 hour Line-Cutting Days 26

Calculation

220	x 7 =	1540	+	26	=	1566	÷	101	=	15.5
Technical				Line-cutting				Number of claims		Assessment credits per claim

The dates listed on this form represent working time spent entirely within the limits of the above listed claims [X] Check
If otherwise, please explain

Dated: Feb. 7/85 Signed: C.E. Page

Note: (A) * Complete only if applicable.
(B) Complete list of names, addresses and dates on reverse side.
(C) Submit separate breakdown for each type of survey.
(D) Submit in duplicate.

Details of Assessment Work Breakdown

GEOLOGICAL

FIELD WORK

Type of Work	Name & Address	Dates Worked	Number of 8 hour days
Mapping	Mr. R. Hodgson 43 St. Olaves Rd. Toronto	May 8 - Aug. 31/83	9
Mapping	Mr. W. McGuinty 17 Sorauren Ave. Toronto	May 8 - Aug. 31/83	41
Mapping	Mr. N. Spink 1610 - 205 Harvard, Waterloo	May 8 - Aug. 24/83	28.5
Mapping	Mr. J. Dumbrell 1604-1209 Richmond St. London	May 8 0 Aug. 24/83	33
Mapping	Mr. M. Kociumbas 5266 Sunnydale Pl. Waterloo	May 8 - Aug. 24/83	25.5
Mapping	Mr. M. Oudejans, 86 Main St. St. Clements	May 8 - Aug. 24/83	17

CONSULTANTS

Name & Address	Dates Worked (specify in field or office)	Number of 8 hour days
Mr. C. Page 916-111 Richmond St. W. Toronto	(office supervision - report)	1
Mr. U. Abolins, 916-111 Richmond St. W. Toronto	(Jan 2-10/84)-office filing	3

DRAUGHTSMAN, TYPING, OTHERS (specify)

Name & Address	Type of Work	Dates Worked	Number of 8 hour days
Mr. R. Hodgson, 43 St. Olaves Rd. Toronto	(report prep.)	Sept. 6-Oct. 31/83	24
Mr. W. McGuinty 17 Sorauren Ave. Toronto	(report prep.)	Sept. 6 - Oct. 31/83	20
M. Jamshedji 1510-1900 Sheppard Ave. E. Willowdale	- drafting	Sept. 18-Oct. 30/83	16
P. Watson - 916-111 Richmond St. W. Toronto	- typing	- Oct. 15-Oct. 30/83	2

TOTAL 8 HOUR TECHNICAL DAYS 220

LINE-CUTTING

Name	Address	Dates Worked	Number of 8 hour days
Mr. M. Oudejans	86 Main St. St. Clements	- May 8 - Aug. 24/83	
Mr. M. Kociumbas	5266 Sunnydale Place Waterloo	- May 8 - Aug. 24/83	10
Mr. J. Dumbrell	1604-1209 Richmond St. London	- May 8 - Aug. 24/83	3
Mr. N. Spink -	1610-225 Harvard St. Waterloo	- May 8-Aug. 21/83	3
Mr. G. Flach,	916-111 Richmond St. W. Toronto	July 27 - Aug. 24/83	10

TOTAL 8 HOUR LINE-CUTTING DAYS 26

SSM 690861
690862
690863
690864
690865
690866
690867
SSM 690878
690879
690880
690881
690882
690883
690884
690885
690886
690887
693574
693575
693576
693577
693578
693579
693580
693581
SSM 693592
693593
693594
693595
693596

SSM 693597
693598
693599
SSM 693605
693606
693607
693608
693609
693610
693611
693612
693613
693614
693615
693616
693617
693618
693619
693620
693621
693622
SSM 693628
693629
693630
693631

Ontario Natural Resources

Work Breakdown

1. Type of Survey Geophysical (VLF EM-16)

2. Township or Area Pilot Harbour Area

3. Numbers of Mining Claims Traversed by Survey SSM 690859, 690860, 690865, 690866, 690879, 690880, 690885, 690886, 693575, 693576, 693593, 693594, 693615, 693616, 693629, 693630

4. Number of Miles of Line Cut 7.8 Flown

*5. Number of Stations Established

*6. Make and type of Instrument Used

*7. Scale Constant or Sensitivity

*8. Frequency Used and Power Output

9. Summary of Assessment Credits (details on reverse side)

Total 8 hour Technical Days (Include Consultants, Draughting etc.) 24

Total 8 hour Line Cutting Days —

Calculation

24	x 7 =	168	+	—	=	168	÷	16	=	10.5
Technical				Line-cutting				Number of claims		Assessment credits per claim

The dates listed on this form represent working time spent entirely within the limits of the above listed claims ☒ Check
If otherwise, please explain

Dated: Feb. 7/85 Signed: C.E. Page

Note: (A) * Complete only if applicable.
(B) Complete list of names, addresses and dates on reverse side.
(C) Submit separate breakdown for each type of survey.
(D) Submit in duplicate.

Details of Assessment Work Breakdown

ELECTROMAGNETIC

FIELD WORK

Type of Work	Name & Address	Dates Worked	Number of 8 hour days
Geophysics	Mr. J. Dumbrell, 1604-1209 Richmond St. London	(May 8-Aug. 31/83	7
Geophysics	Mr. M. Oudejans, 86 Main Street, St. Clements	(May 8-Aug.31/83)	7

CONSULTANTS

Name & Address	Dates Worked (specify in field or office)	Number of 8 hour days
Mr. R. Hodgson 43 St. Olaves Rd. Toronto	Report Prep. Sept. 6 - Oct. 31/83	2
Mr. W. McGuinty, 17 Sorauren Ave. Toronto	Report Prep. Sept. 6 - Oct. 31/83	4
M. Jamshedji, 1510 - 1900 Sheppard Ave. E. Willowdale	Drafting Sept.18-Oct.30/83	3
P. Watson, 916-111 Richmond St. W. Toronto,	- typing - Oct. 15-Oct. 30/83	1
		24

DRAUGHTSMAN, TYPING, OTHERS (specify)

Name & Address	Type of Work	Dates Worked	Number of 8 hour days

TOTAL 8 HOUR TECHNICAL DAYS 24

LINE-CUTTING

Name	Address	Dates Worked	Number of 8 hour days

TOTAL 8 HOUR LINE-CUTTING DAYS _____

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

VOID

File 2.7660

Date 1985 02 25

Mining Recorder's Report of Work No. 2-85

Recorded Holder: CENTRAL CRUDE LTD

Township or Area: POINT ISACOR, MISHIBISHU LAKE, PILOT HARBOUR AREAS

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	SSM 637732 to 735 inclusive 661122-123 661126-127 661163-164 661167-168 661195-196 690803 to 808 inclusive 690815 to 820 inclusive 690822 to 826 inclusive 690837 to 840 inclusive 690843 to 847 inclusive 690858 to 867 inclusive 690878 to 887 inclusive 693574 to 581 inclusive 693592 to 599 inclusive 693605 to 622 inclusive 693628 to 631 inclusive
Electromagnetic _____ days	
Magnetometer _____ days	
Radiometric _____ days	
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological 16 days	
Geochemical _____ days	
Man days [X] Airborne [ ]	
Special provision [ ] Ground [X]	
[X] Credits have been reduced because of partial coverage of claims.	
[ ] Credits have been reduced because of corrections to work dates and figures of applicant.	

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

No credits have been allowed for the following mining claims

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

SSM 690821
690841-842

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

828 (83/6)

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

AMENDED

File 2.7660

Date 1985 03 22

Mining Recorder's Report of Work No. 2-85

Recorded Holder: CENTRAL CRUDE LTD

Township or Area: POINT ISACOR, MISHIBISHU LAKE, PILOT HARBOUR AREAS

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	SSM 637732 to 735 inclusive 661122-123 661126-127 661163-164 661167-168 661195-196 690803 to 808 inclusive 690815 to 820 inclusive 690822 to 826 inclusive 690837 to 840 inclusive 690843 to 847 inclusive 690858 to 867 inclusive 690878 to 887 inclusive 693574 to 581 inclusive 693592 to 599 inclusive 693605 to 622 inclusive 693628 to 631 inclusive
Electromagnetic _____ days	
Magnetometer _____ days	
Radiometric _____ days	
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological 16 days	
Geochemical _____ days	
Man days [X] Airborne [ ]	
Special provision [ ] Ground [X]	
[X] Credits have been reduced because of partial coverage of claims.	
[ ] Credits have been reduced because of corrections to work dates and figures of applicant.	

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

No credits have been allowed for the following mining claims

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

SSM 690821
690841-842

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

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

VOID

File	
2.7660	
Date	Mining Recorder's Report of Work No.
1985 02 25	3-85

Recorded Holder: CENTRAL CRUDE LIMITED

Township or Area: POINT ISACOR AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic 10.5 days Magnetometer ____ days Radiometric ____ days Induced polarization ____ days Other ____ days Section 77 (19) See "Mining Claims Assessed" column Geological ____ days Geochemical ____ days Man days [X] Airborne [ ] Special provision [ ] Ground [X] [X] Credits have been reduced because of partial coverage of claims. [ ] Credits have been reduced because of corrections to work dates and figures of applicant.	SSM 690859-860 690865-866 690880 690885-886 693575-576

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

No credits have been allowed for the following mining claims

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

SSM 690870 ✓

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

828 (83/6)

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

AMENDED

File: 2.7660

Date: 1985 03 22

Mining Recorder's Report of Work No.: 3-85

Recorded Holder: CENTRAL CRUDE LTD

Township or Area: POINT ISACOR AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	SSM 690859-860 690861-866 690879-880 690885-886 693575-576
Electromagnetic 10.5 days	
Magnetometer ____ days	
Radiometric ____ days	
Induced polarization ____ days	
Other ____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological ____ days	
Geochemical ____ days	
Man days [X] Airborne [ ]	
Special provision [ ] Ground [X]	
[X] Credits have been reduced because of partial coverage of claims.	
[ ] Credits have been reduced because of corrections to work dates and figures of applicant.	

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

No credits have been allowed for the following mining claims

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

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

828 (83/6)

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.7660

Date 1985 02 25

Mining Recorder's Report of Work No. 4-85

VOID

Recorded Holder: CENTRAL CRUDE LIMITED

Township or Area: POINT ISACOR, MISHIBISHU LAKE, PILOT HARBOR AREAS

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic ____ days Magnetometer ____ days Radiometric ____ days Induced polarization ____ days Other ____ days Section 77 (19) See "Mining Claims Assessed" column Geological ____ days Geochemical ____ days Man days ☐ Airborne ☐ Special provision ☐ Ground ☐ ☐ Credits have been reduced because of partial coverage of claims. ☒ Credits have been reduced because of corrections to work dates and figures of applicant.	$9024.60 SPENT ASSAYING SAMPLES COLLECTED FROM THE FOLLOWING MINING CLAIMS: SSM 637734-735 661163-164 661167-168 661196 690805 690807 690816 to 818 inclusive 690825 690837 690839-840 690845 690859-860 690864 to 867 inclusive 690878 to 881 inclusive 690884 to 886 inclusive 693575 to 577 inclusive 693580-581 693598-599 693608 to 612 inclusive 693615 to 620 inclusive 693622 693628-629 602 DAYS ASSESSMENT WORK CREDIT ALLOWED WHICH MAY BE GROUPED IN ACCORDANCE WITH SECTION 76(6) OF THE MINING ACT RSO 1980.

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

No credits have been allowed for the following mining claims

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

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

828 (83/6)

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

AMENDED

File 2.7660

Date 1985 03 22

Mining Recorder's Report of Work No. 4-85

Recorded Holder
CENTRAL CRUDE LIMITED

Township or Area
POINT ISACOR, MISHIBISHU LAKE, PILOT HARBOR AREAS

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ days Geochemical _____ days Man days ☐ Airborne ☐ Special provision ☐ Ground ☐ ☐ Credits have been reduced because of partial coverage of claims. ☒ Credits have been reduced because of corrections to work dates and figures of applicant.	$9024.60 SPENT ASSAYING SAMPLES COLLECTED FROM THE FOLLOWING MINING CLAIMS: SSM 637734-735 661163-164 661167-168 661196 690805 690807 690816 to 818 inclusive 690825 690837 690839-840 690[illegible]5 690859-860 690864 to 867 inclusive 690878 to 881 inclusive 690884 to 886 inclusive 693575 to 577 inclusive 693580-581 693598-599 693608 to 612 inclusive 693615 to 620 inclusive 693622 693628-629 602 DAYS ASSESSMENT WORK CREDIT ALLOWED WHICH MAY BE GROUPED IN ACCORDANCE WITH SECTION 76(6 OF THE MINING ACT RSO 1980.

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

No credits have been allowed for the following mining claims

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

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

626 (63/61)

Ministry of Natural Resources
Ontario

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

#2-85 2.7660

Mining Act

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

Type of Survey(s): Geological	Township or Area: Pilot Harbour Area, M.7
Claim Holder(s): Central Crude Ltd.	Prospector's Licence No.: T 1361
Address: 436 Adelaide Street West, Toronto, Ontario M5V 1S7	
Survey Company: Wasabi Resources Ltd.	Date of Survey (from & to): 22 05 83 – 25 10 83 (Day Mo. Yr.) — Total Miles of line Cut: 14.7 cut, 46.3 flagged
Name and Address of Author (of Geo-Technical report):	

Credits Requested per Each Claim in Columns at right

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

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

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

RECEIVED
JAN 16 1985
MINING LANDS SECTION

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

SAULT STE. MARIE MINING DIV.
RECEIVED
JAN - 7 1985
A.M. P.M.

Calculation of Expenditure Days Credits

Total Expenditures

$	÷ 15 =	

Instructions

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

Mining Claims Traversed (List in numerical sequence)

Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
SSM	637732		SSM	690818	
	637733			690819	
	637734			690820	
	637735			690821	
	661122			690822	
	661123			690823	
	661126			690824	
	661127			690825	
	661163			690826	
	661164			690837	
	661167			690838	
	661168			690839	
	661195			690840	
	661196			690841	
	690803			690842	
	690804			690843	
	690805			690844	
	690806			690845	
	690807			690846	
	690808			690847	
	690815			690858	
	690816			690859	
	690817			690860	

Total number of mining claims covered by this report of work: 101

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
4040	Jan 7/85	ACTING [signature]
	Date Approved as Recorded	Branch Director
		see revised statement

Date	Recorded Holder or Agent (Signature)
Jan 4/85	C.E. Page

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying

C.E. Page, 916 - 111 Richmond Street West, Toronto, Ontario M5H 2G4

Date Certified	Certified by (Signature)
Jan 5, 1985	C.E. Page

SSM 690861
690862
690863
690864
690865
690866
690867
SSM 690878
690879
690880
690881
690882
690883
690884
690885
690886
690887
693574
693575
693576
693577
693578
693579
693580
693581
SSM 693592
693593
693594
693595
693596

SSM 693597
693598
693599
SSM 693605
693606
693607
693608
693609
693610
693611
693612
693613
693614
693615
693616
693617
693618
693619
693620
693621
693622
SSM 693628
693629
693630
693631

Ministry of Natural Resources Ontario

Report of Work

(Geophysical, Geological, Geochemical and Expenditures)

#3-85

VOID 2.7660

F.M.

Mining Act

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

Type of Survey(s): Electromagnetic

Township or Area: Pilot Harbour Area

Claim Holder(s): Central Crude Ltd.

Prospector's Licence No.: T 1361

Address: 436 Adelaide Street West West, Toronto, Ontario M5V 1S7

Survey Company: Wasabi Resources Ltd.

Date of Survey (from & to): 22 05 83 – 25 10 83 (Day, Mo., Yr.)

Total Miles of line Cut: 7.8

Name and Address of Author (of Geo-Technical report): Suite 916, 111 Richmond Street West, Toronto, Ontario M5H 2G4

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical – Electromagnetic	14
	– Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	– Radiometric	
	– Other	
	Geological	
	Geochemical	
Man Days		**Days per Claim**
Complete reverse side and enter total(s) here	Geophysical – Electromagnetic	
	– Magnetometer	
	– Radiometric	
	– Other	
	Geological	
	Geochemical	
Airborne Credits		**Days per Claim**
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

RECEIVED
JAN 16 1985
MINING LANDS SECTION

Mining Claims Traversed (List in numerical sequence)

Prefix	Number	Expend. Days Cr.
SSM	690859	
	690860	
	690865	
	690866	
	690870	
	690880	
	690885	
	690886	
	693575	
	693576	

SAULT STE. MARIE MINING DIV.
RECEIVED
JAN – 7 1985
A.M. 7,8,9,10,11,12,1,2,3,4,5,6 P.M.

Expenditures (excludes power stripping)

Total Days Credits ... ÷ 15 = ...

Total number of mining claims covered by this report of work: 10

For Office Use Only

Total Days Cr. Date Recorded: 140 Jan. 7/85

Mining Recorder: ACTING [signature]

Date Approved as Recorded: see revised statement

Date: Jan 4, 1985 Recorded Holder or Agent (Signature): C.E. Page

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying: C.E. Page, 916 – 111 Richmond Street West, Toronto, Ontario M5H 2G4

Date Certified: Jan 5, 1985 Certified by (Signature): C.E. Page

Ministry of Natural Resources
Ontario

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

#3-85
2.7660
REVISED
Mining Act

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

Type of Survey(s)	Township or Area
Electromagnetic	Pilot Harbour Area

Claim Holder(s)	Prospector's Licence No.
Central Crude Ltd.	T 1361

Address: 436 Adelaide Street West West, Toronto, Ontario M5V 1S7

Survey Company	Date of Survey (from & to)	Total Miles of line Cut
Wasabi Resources Ltd.	22 05 83 (Day Mo. Yr.) 25 10 83 (Day Mo. Yr.)	7.8

Name and Address of Author (of Geo-Technical report): Suite 916, 111 Richmond Street West, Toronto, Ontario M5H 2G4

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical · Electromagnetic	14
	· Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	· Radiometric	
	· Other	
	Geological	
	Geochemical	

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

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

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
SSM	690859	
	690860	
	690865	
	690866	
	690879 *	
	690880	
	690885	
	690886	
	693575	
	693576	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

RECEIVED
MAR 14 1985
MINING LANDS SECTION

SAULT STE. MARIE MINING DIV.
RECEIVED
JAN - 7 1985
A.M. 1 2 3 4 5 6 7 8 9 10 11 12 P.M. 1 2 3 4 5 6

Expenditures (excludes power stripping)

Type of Work Performed:

Performed on Claim(s):

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

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

Total number of mining claims covered by this report of work: 10

For Office Use Only		
Total Days Cr. Recorded: 140	Date Recorded: Jan 7/85	Mining Recorder: C. A. Kenyon
	Date Approved as Recorded: see revised statement	Branch Director

Date: Jan 4, 1985 | Recorded Holder or Agent (Signature): C.E. Page

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying: C.E. Page, 916 - 111 Richmond Street West, Toronto, Ontario M5H 2G4

Date Certified: Jan. 5, 1985 | Certified by (Signature): C.E. Page

690859

0362 (81/9)

Ministry of Natural Resources
Ontario

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

#4-85
2.7660

Mining Act

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

Note - Only days credits recorded in the "Expenditures" section may be entered in the "Expenditure Days Cr." columns.
- Do not use shaded areas below.

Type of Survey(s): Geochemical

Township or Area: Pilot Harbour Area

Claim Holder(s): Central Crude Ltd.

Prospector's Licence No.: T1361

Address: 436 Adelaide Street W., Toronto, Ontario M5V 1S7

Survey Company: Wasabi Resources Ltd.

Date of Survey (from & to): 22 05 83 (Day, Mo., Yr.) — 25 10 83 (Day, Mo., Yr.)

Total Miles of line Cut: 14.7 cut, 46.3 flagged

Name and Address of Author (of Geo Technical report): C.E. Page, 916-111 Richmond Street W. Toronto, Ontario M5H 2G4

Credits Requested per Each Claim in Columns at right

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

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

RECEIVED
JAN 16 1985
MINING LANDS SECTION

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

Expenditures (excludes power stripping)

Type of Work Performed: Geochemical - rock and soils

Performed on Claim(s): 693616, 693593, 693594, 690865, 690866, 690870, 690830, 690885, 690887, 693575 et al

Calculation of Expenditure Days Credits

Total Expenditures: $ 9328.10 ÷ 15 = Total Days Credits: 621.9

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

Total Number of Mining Claims Traversed: 31

For Office Use Only
Total Days Cr. Recorded: 6219
Date Recorded: Jan 7/85
Date Approved as Recorded:
Approved by: see revised statement

Date: Jan 5, 1985
Recorded Holder or Agent (Signature): C.E. Page

Certification Verifying Report of Work

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

Name and Address of Author (or Consultant): C.E. Page, 916 - 111 Richmond Street West, Toronto, Ontario M5H 2G4

Jan 5, 1985 C.E. Page

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
SSM	637732	20
	637733	20
	661127	20
	661163	20
	661164	20
	661167	20
	661168	20
	661195	20
	690804	20
	690805	20
	690806	20
	690807	20
	690808	20
	690817	20
	690838	20
	690847	20
	693596	20
	693597	20
	693599	20
	693605	20
	693608	20
	693609	20
	693610	20

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
SSM	693611	20
	693612	20
	693613	20
	693615	20
	693616	20
	693622	20
	693629	21.9
	693630	20

SAULT STE. MARIE MINING DIV. RECEIVED
JAN - 7 1985
A.M. 7 8 9 10 11 12 1 2 3 P.M. 5 6

2.7660

690859	3/4	✓	690884	✓		
860	3/4	✓	885	✓		
865	3/4	✓	886	✓		
866	1/4	✓	878	✓		
870	1/4	✓	879	✓		
880	3/4	✓	881	✓		
885	3/4	✓	864	✓		
886	1/4	✓	865	✓		
693575	2/4	✓	866			
576	2/4	✓	867	✓		
693618		✓	860	✓		
619		✓	845	✓		
661163		✓	837	✓		
168		✓	839	✓		
167		✓	840	✓		
164		✓	825	✓		
196		✓	816	✓		
693620		✓	817	✓		
622		✓	818			
608		✓	895	✓		
609		✓	807	✓		
637735						
734						
693628		✓	amount	del. charge		
617		✓	1386.50	25.25		
610		✓	1378.70	42.20		
599		✓	648.75	40.00		
611		✓	166.50	∅		
616		✓	413.25	25.00		
629		✓	2405.95	84.35		
615		✓	555.45	71.70		
612		✓	1324.00	∅		
598		✓	349.50	∅		
581		✓	30.00	∅		
580		✓	649.50	15.00		
577		✓	$9328.10	303.50		
576		✓	= $9024.60	.5	= 601.6 days [illegible]	
575		✓				

	wool	L.C
637732	✓	
733	✓	
734	✓	
735	✓	
661122	✓	
123	✓	
126	✓	
127	✓	
661163	✓	
164 167	✓	
168	✓	
661195	2/4	
196	✓	
690803	✓	
804	✓	
805	✓	
806	✓	
807	✓	
808	✓	
690815	✓	
816	✓	
817	✓	
818	✓	
819	✓	
820	✓	
821	∅	
822	✓	
823	✓	
824	✓	
825	✓	
826	✓	
690837	✓	
838	1/4	
839	✓	
840	✓	
841	∅	
842	∅	
843	✓	

	wool	L.C
690844	✓	
845	✓	
846	✓	
847	1/4	
690858	✓	
859	✓	3/4
860	✓	1/4
861	✓	
862	✓	
863	✓	
864	✓	
865	1/4	
866	✓	1/4
867	✓	
690878	✓	
879	✓	1/4
880	1/4	1/4
881	✓	3/4
882	1/4	
883	✓	
884	1/4	3/4
885	2/4	2/4
886	✓	2/4
887	✓	
693574	✓	
575	✓	3/4
576	✓	3/4
577	✓	
578	✓	
579	✓	
580	✓	
581	✓	
693592	✓	
593	✓	
594	✓	
595	✓	
596	✓	
597	✓	
598	✓	

	wool	L.C
693599	1/4	
605	3/4	
606	1/4	
607	✓	
608	1/4	
609	1/4	
610	1/4	
611	2/4	
612	1/4	
613	✓	
614	✓	
615	1/4	
616	2/4	
617	✓	
618	✓	
619	✓	
620	✓	
621	✓	
622	✓	
693628	✓	
629	✓	
630	✓	
631	✓	

220 x 7 = 1540 + 26 = 1566 ÷ 98

= 15.98 Length

January 24, 1985

Our File: 2.7660
Mining Recorder's
Files: 2-85,3-85,4-85

Central Crude Limited
436 Adelaide Street West
Toronto, Ontario
M5V 1S7

Dear Sirs:

RE: Geophysical (Electromagnetic), Geological Surveys and Data for Assaying submitted on Mining Claims SSM 637732, et al, in the Pilot Harbour Area

We received reports and maps for the above-mentioned surveys on January 16, 1985.

Enclosed are the geological plans, in duplicate, for the above-mentioned survey. Please indicate on the plans, the nature of the overburden and/or vegetation where no outcrop exists.

Also, examination of the maps for both the geophysical and geological surveys indicates that these surveys cannot be assessed using the Special Provisions Method. Please complete the enclosed Man-Days breakdown forms for each survey. Please forward the above information, in duplicate, to this office quoting file 2.7660.

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

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

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

D. Isherwood:mc

cc: Mining Recorder
Sault Ste. Marie, Ontario

cc: C.E. Page
Suite 916
111 Richmond Street West

TELEPHONE
(416) 36[redacted]182

SUITE 916
111 RICHMOND ST. WEST
TORONTO, ONTARIO
M5H 2G4

CABLE: PROMANS
TELEX: 06-219521

February 6, 1985

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

Dear Mr. Isherwood:

Re: Your File #2.7660

We've indicated on the enclosed geological maps the nature of overburden and/or vegetation where possible as per your request.

The completed "Man-Days breakdown" forms are also enclosed with information derived from the project manager's diary and the OMEP file for the project.

I trust these will now meet your requirements.

Yours truly,

WASABI RESOURCES LTD.

C.E.Page
Vice-President, Exploration

CEP:pw
Encl.

Ministry of Natural Resources

Ontario

March 12/85

. 1985 02 25

Your Files: 2-85,3-85 & 4-85
Our File: 2.7660

Mining Recorder
Ministry of Natural Resources
875 Queen Street East
Box 669
Sault Ste. Marie, Ontario
P6A 2B3

Dear Madam:

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

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

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

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

RD D. Isherwood:mc

Encls.

cc: Central Crude Ltd
436 Adelaide Street West
Toronto, Ontario
M5V 1S7

cc: C.E. Page
Suite 916
111 Richmond Street West
Toronto, Ontario
M5H 2G4

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

845

Ministry of Natural Resources

Ontario

Notice of Intent

for Technical Reports

1985 02 25

2.7660/2-85,3-85 & 4-85

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

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

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

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

Ontario Ministry of Natural Resources

~~AMENDED~~ April 8/85

1985 03 22

Your File: 2-85,3-85 & 4-85
Our File: 2.7660

Mining Recorder
Ministry of Natural Resources
875 Queen Street East
Box 669
Sault Ste. Marie, Ontario
P6A 2B3

Dear Madam:

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

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

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

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

RJD. Isherwood:mc

Encls.

cc: Central Crude Ltd
436 Adelaide Street West
Toronto, Ontario
M5V 1S7

cc: C.E. Page
Suite 916
111 Richmond Street West
Toronto, Ontario
M5H 2G4

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

Ministry of Natural Resources

Ontario

AMENDED

Notice of Intent

for Technical Reports

1985 03 22

2.7660/2-85,3-85 & 4-85

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

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

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

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

1985 04 12

Your File:2-85, 3-85 & 4-85
Our File:2.7660

Mining Recorder
Ministry of Natural Resources
875 Queen Street East
Box 669
Sault Ste. Marie, Ontario
P6A 5N2

Dear Madam:

RE: Notice of Intent dated March 22, 1985
Geophysical (Electromagnetic) Geological
Survey and Data for Assaying on Mining
Claims SSM 637732, et al, in the Point
Isacor, Mishibishu Lake and Pilot Harbour
Areas

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

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

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

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

D. Isherwood:mc

cc: Central Crude Ltd
436 Adelaide Street West
Toronto, Ontario
M5V 1S7
cc: C.E. Page
Suite 916
111 Richmond Street West
Toronto, Ontario
M5H 2G4
Encl.

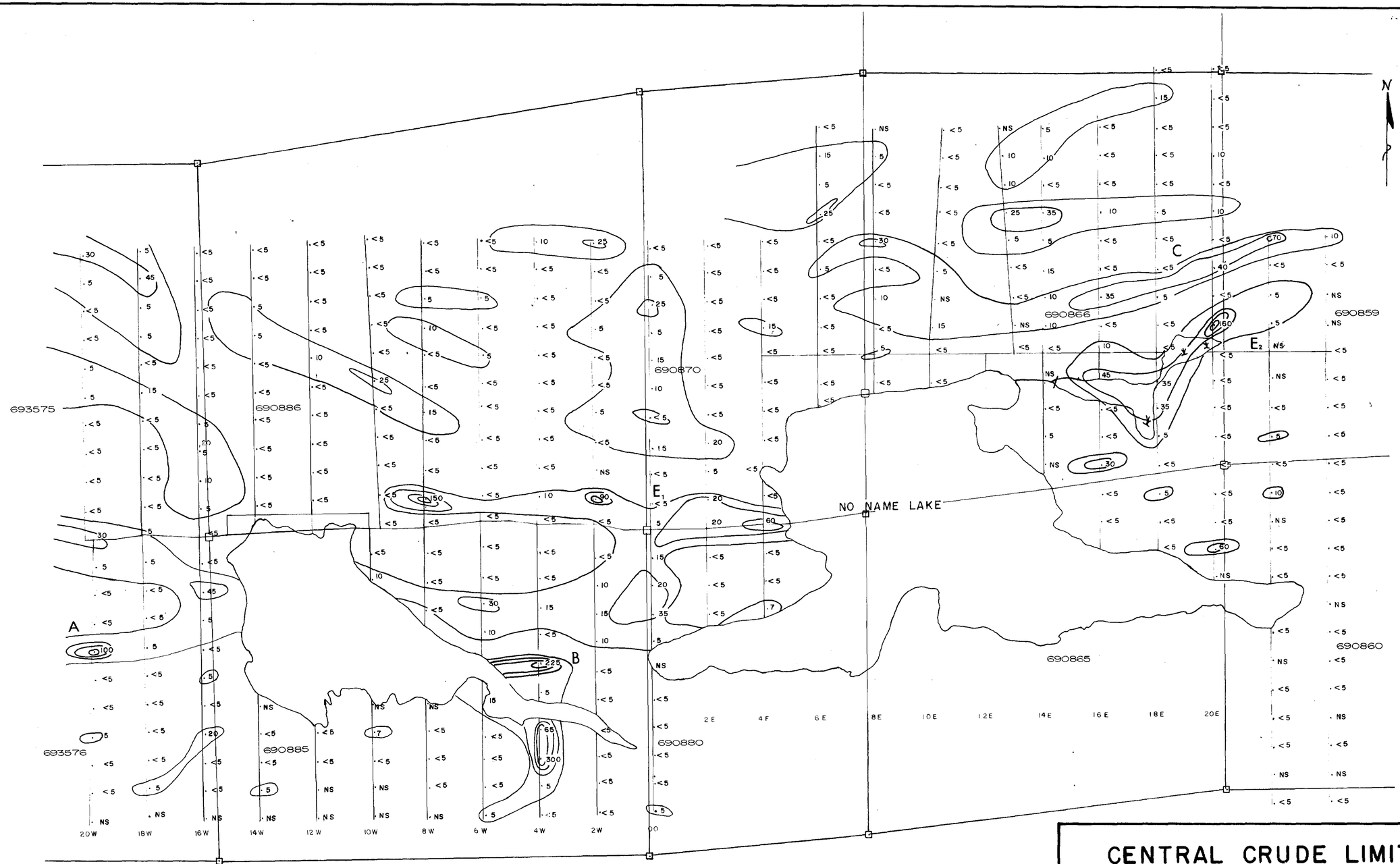
cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario
cc: Resident Geologist
Sault Ste. Marie, Ontario

FOR ADDITIONAL

INFORMATION

SEE MAPS:

41N/14NW-0014 #1-12



Au (ppb)

>60
60
20
5

41N/14NW-0014, #12

CEBX 84.R.6

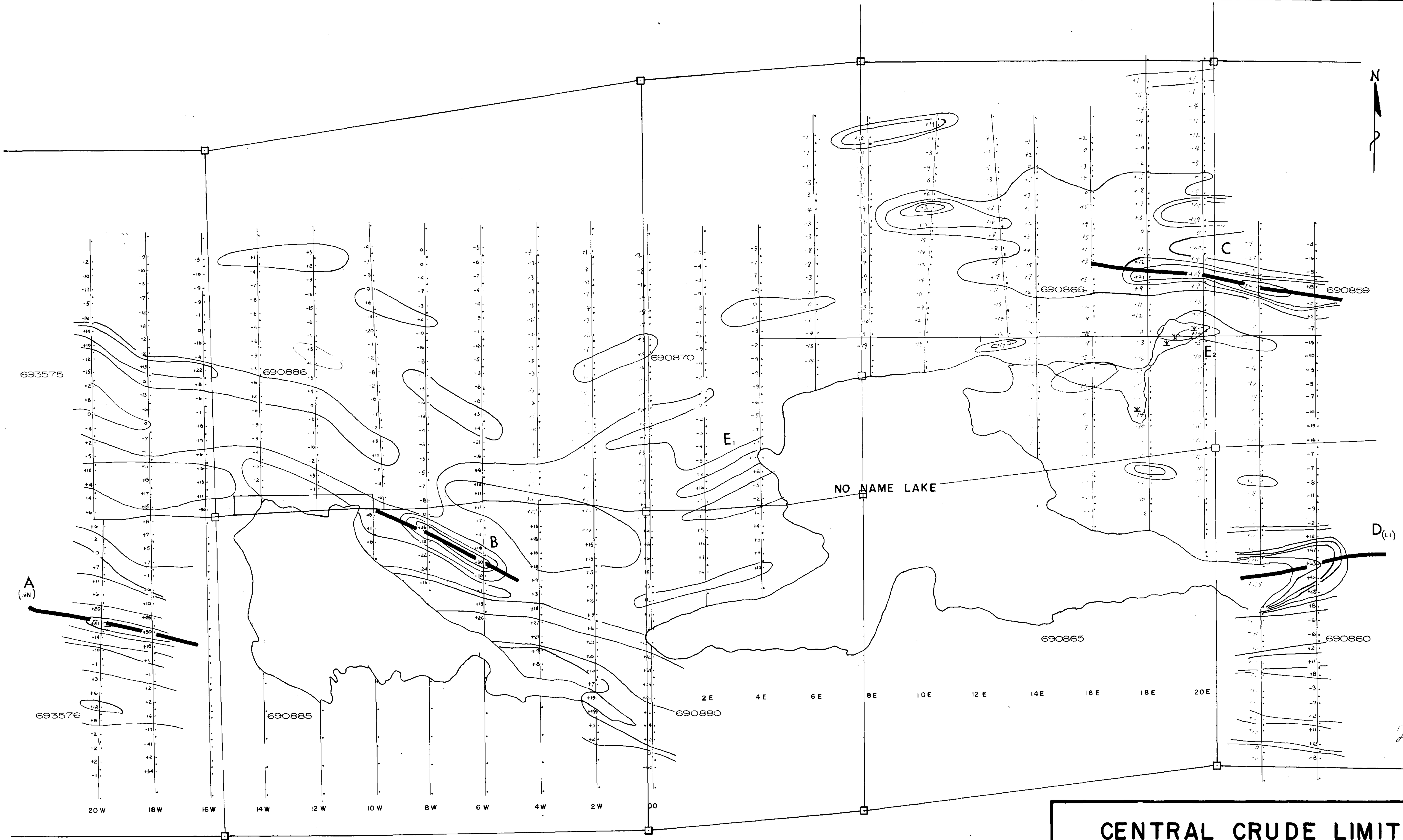
CENTRAL CRUDE LIMITED.

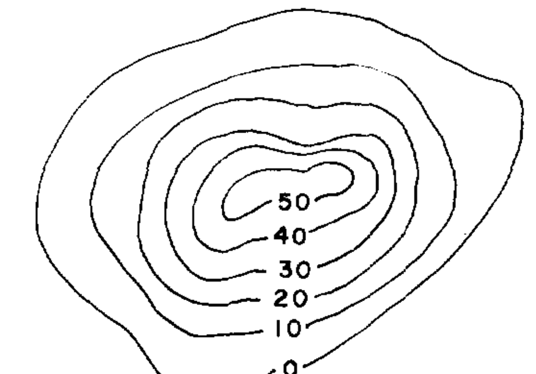
PROJECT:

EAGLE RIVER CLAIMS

DRAWING:
FIGURE 18: NO NAME LAKE SOIL GEOCHEMISTRY: 'B' HORIZON.

SCALE:	DATE:	DRAWN BY:
1" = 200'.	OCTOBER, 1983	W.J.M.





41N/14NW-0014,#11

C.E.Page 84.12.6

27660 dup

CENTRAL CRUDE LIMITED.

PROJECT:

EAGLE RIVER CLAIMS

DRAWING: FIGURE 17: NO NAME LAKE CONTOURED VLF-EM (FRASER)

SCALE: 1" = 200' | DATE: OCTOBER, 1983 | DRAWN BY: W. J. M.

27660 dup

41N/14NW-0014,#10

C.E.Page 84.12.6

CENTRAL CRUDE LIMITED.

PROJECT

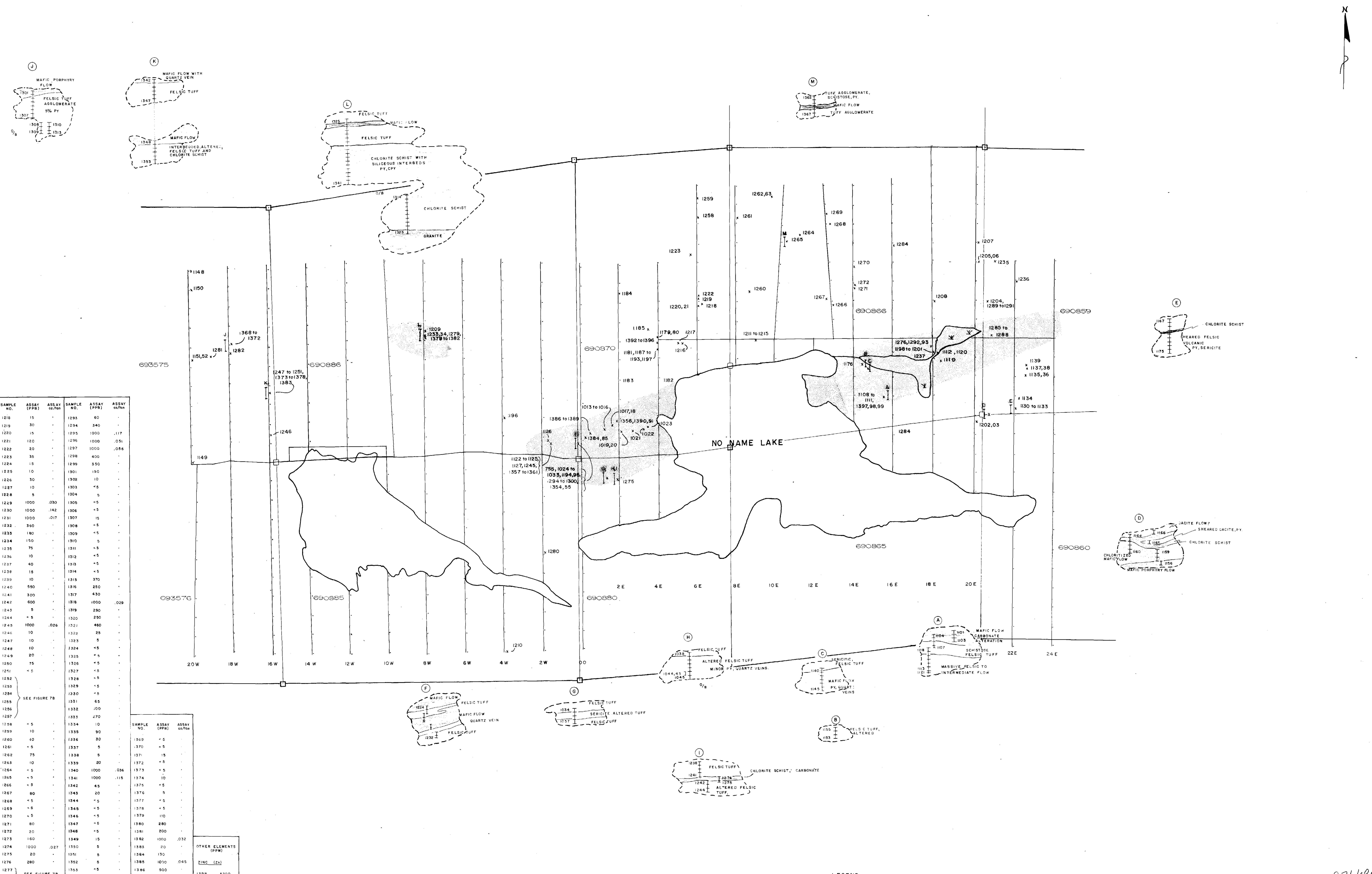
EAGLE RIVER CLAIMS

DRAWING:

FIGURE 16: NO NAME LAKE – VLF-EM PROFILES, 'LINE' NAA.

SCALE:	DATE:	DRAWN BY:
1" = 200'.	OCTOBER, 1983	W.J.M.

42C03SW0101 41N14NW0014 NISHIBISHU LAKE



SAMPLE NO.	ASSAY (PPB)	ASSAY oz/ton
755	1000	.408
1013	1000	.065
1014	65	·
1015	45	·
1016	8	·
1017	390	·
1018	25	·
1019	1000	.038
1020	100	·
1021	20	·
1022	5	·
1023	5	·
1024	310	·
1025	15	·
1026	1000	.319
1027	1000	.142
1028	1000	.036
1029	155	·
1030	520	·
1031	10	·
1032	530	·
1033	15	·
1034	10	·
1035	<5	·
1036	<5	·
1037	<5	·
1038	40	·
1039	1000	.067
1040	1000	.026
1041	35	·
1042	8	·
1043	7	·
1044	15	·
1045	8	·
1101	20	·
1102	50	·
1103	<5	·
1104	15	·
1105	<5	·
1106	<5	·
1107	<5	·
1108	30	·
1109	<5	·
1110	55	·
1111	<5	·
1112	3000	.005
1113	<5	·
1114	<5	·
1115	<5	·
1116	<5	·
1117	5	·
1118	<5	·
1119	<5	·
1120	5	·
1121	<5	·
1122	10	·
1123	20	·
1124	75	·
1125	90	·
1126	25	·
1127	45	·
1128	<5	·
1129	<5	·
1130	5	·
1131	5	·
1132	<5	·
1133	<5	·
1134	<5	·
1135	<5	·
1136	<5	·
1137	<5	·
1138	5	·
1139	20	·
1140	15	·
1141	<5	·

SAMPLE NO.	ASSAY (PPB)	ASSAY oz/ton
1142	<5	·
1143	<5	·
1144	<5	·
1145	<5	·
1146	15	·
1147	<5	·
1148	<5	·
1149	<5	·
1150	<5	·
1151	<5	·
1152	<5	·
1154	<5	·
1155	<5	·
1156	<5	·
1157	<5	·
1158	<5	·
1159	<5	·
1160	<5	·
1161	<5	·
1162	<5	·
1163	<5	·
1164	<5	·
1165	<5	·
1166	<5	·
1167	5	·
1168	<5	·
1169	<5	·
1170	5	·
1171	<5	·
1172	<5	·
1173	<5	·
1174	<5	·
1175	<5	·
1176	5	·
1177	<5	·
1178	<5	·
1179	50	·
1180	30	·
1181	5	·
1182	<5	·
1183	5	·
1184	150	·
1185	<5	·
1186	70	·
1187	10	·
1188	<5	·
1189	55	·
1190	<5	·
1191	<5	·
1192	15	·
1193	<5	·
1194	230	·
1195	1000	.037
1196	60	·
1197	<5	·
1198	1000	.014
1199	<5	·
1200	195	·
1201	1000	.012
1202	1000	.010
1203	1000	.012
1204	39	·
1205	<5	·
1206	5	·
1207	140	·
1208	20	·
1209	1000	.019
1210	10	·
1211	15	·
1212	10	·
1213	<5	·
1214	20	·
1215	10	·
1216	100	·
1217	5	·

SAMPLE NO.	ASSAY (PPB)	ASSAY oz/ton
1218	15	·
1219	30	·
1220	15	·
1221	120	·
1222	20	·
1223	35	·
1224	15	·
1225	10	·
1226	30	·
1227	10	·
1228	5	·
1229	1000	.030
1230	1000	.142
1231	1000	.017
1232	360	·
1233	180	·
1234	150	·
1235	75	·
1236	10	·
1237	40	·
1238	15	·
1239	10	·
1240	550	·
1241	300	·
1242	600	·
1243	5	·
1244	<5	·
1245	1000	.026
1246	10	·
1247	10	·
1248	10	·
1249	20	·
1250	75	·
1251	<5	·
1252	SEE FIGURE 7B	
1253	SEE FIGURE 7B	
1254	SEE FIGURE 7B	
1255	SEE FIGURE 7B	
1256	SEE FIGURE 7B	
1257	SEE FIGURE 7B	
1258	<5	·
1259	10	·
1260	10	·
1261	<5	·
1262	75	·
1263	10	·
1264	<5	·
1265	<5	·
1266	<5	·
1267	80	·
1268	<5	·
1269	<5	·
1270	<5	·
1271	80	·
1272	20	·
1273	160	·
1274	1000	.027
1275	20	·
1276	280	·
1277	SEE FIGURE 7B	
1278	SEE FIGURE 7B	
1279	1000	.080
1280	15	·
1281	15	·
1282	10	·
1283	10	·
1284	15	·
1285	30	·
1286	10	·
1287	30	·
1288	10	·
1289	20	·
1290	10	·
1291	15	·
1292	1000	.091

SAMPLE NO.	ASSAY (PPB)	ASSAY oz/ton
1293	60	·
1294	340	·
1295	1000	.117
1296	1000	.051
1297	1000	.056
1298	400	·
1299	350	·
1301	150	·
1302	10	·
1303	<5	·
1304	5	·
1305	<5	·
1306	<5	·
1307	15	·
1308	<5	·
1309	<5	·
1310	5	·
1311	<5	·
1312	<5	·
1313	<5	·
1314	<5	·
1315	370	·
1316	250	·
1317	430	·
1318	1000	.029
1319	290	·
1320	250	·
1321	460	·
1322	25	·
1323	5	·
1324	<5	·
1325	<5	·
1326	<5	·
1327	<5	·
1328	<5	·
1329	<5	·
1330	<5	·
1331	65	·
1332	100	·
1333	270	·
1334	10	·
1335	90	·
1336	30	·
1337	5	·
1338	5	·
1339	20	·
1340	1000	.036
1341	1000	.115
1342	45	·
1343	20	·
1344	<5	·
1345	<5	·
1346	<5	·
1347	<5	·
1348	<5	·
1349	15	·
1350	5	·
1351	5	·
1352	5	·
1353	<5	·
1354	400	·
1355	85	·
1356	<5	·
1357	95	·
1358	15	·
1359	430	·
1360	180	·
1361	370	·
1362	85	·
1363	15	·
1364	25	·
1365	5	·
1366	<5	·
1367	<5	·
1368	5	·

SAMPLE NO.	ASSAY (PPB)	ASSAY oz/ton
1369	<5	·
1370	<5	·
1371	15	·
1372	<5	·
1373	<5	·
1374	10	·
1375	<5	·
1376	5	·
1377	<5	·
1378	<5	·
1379	110	·
1380	280	·
1381	200	·
1382	1000	.032
1383	20	·
1384	130	·
1385	1000	.045
1386	500	·
1387	300	·
1388	240	·
1389	5	·
1390	1000	.744
1391	1000	.016
1392	200	·
1393	60	·
1394	20	·
1395	20	·
1396	70	·
1397	<5	·
1398	20	·
1399	<5	·
1400	<5	·
1401	250	·

OTHER ELEMENTS (PPM)

ZINC (Zn)	
1398	5200
SILVER (Ag)	
1246	1.3
COPPER (Cu)	
1245	390
1378	21
1379	2500
1380	3200
1381	1500
1382	2500
1394	420
1395	220
1396	530

41N/14NW-0014,#9

LEGEND

x1251 GRAB SAMPLE

CHANNEL SAMPLE (diamond sawed) (symbol not to scale.)

ANOMALOUS GOLD ZONE

STRIPPED AREA

SCALE OF CHANNEL SAMPLE DIAGRAMS: 1"=10'.

2766 dup

CENTRAL CRUDE LIMITED.

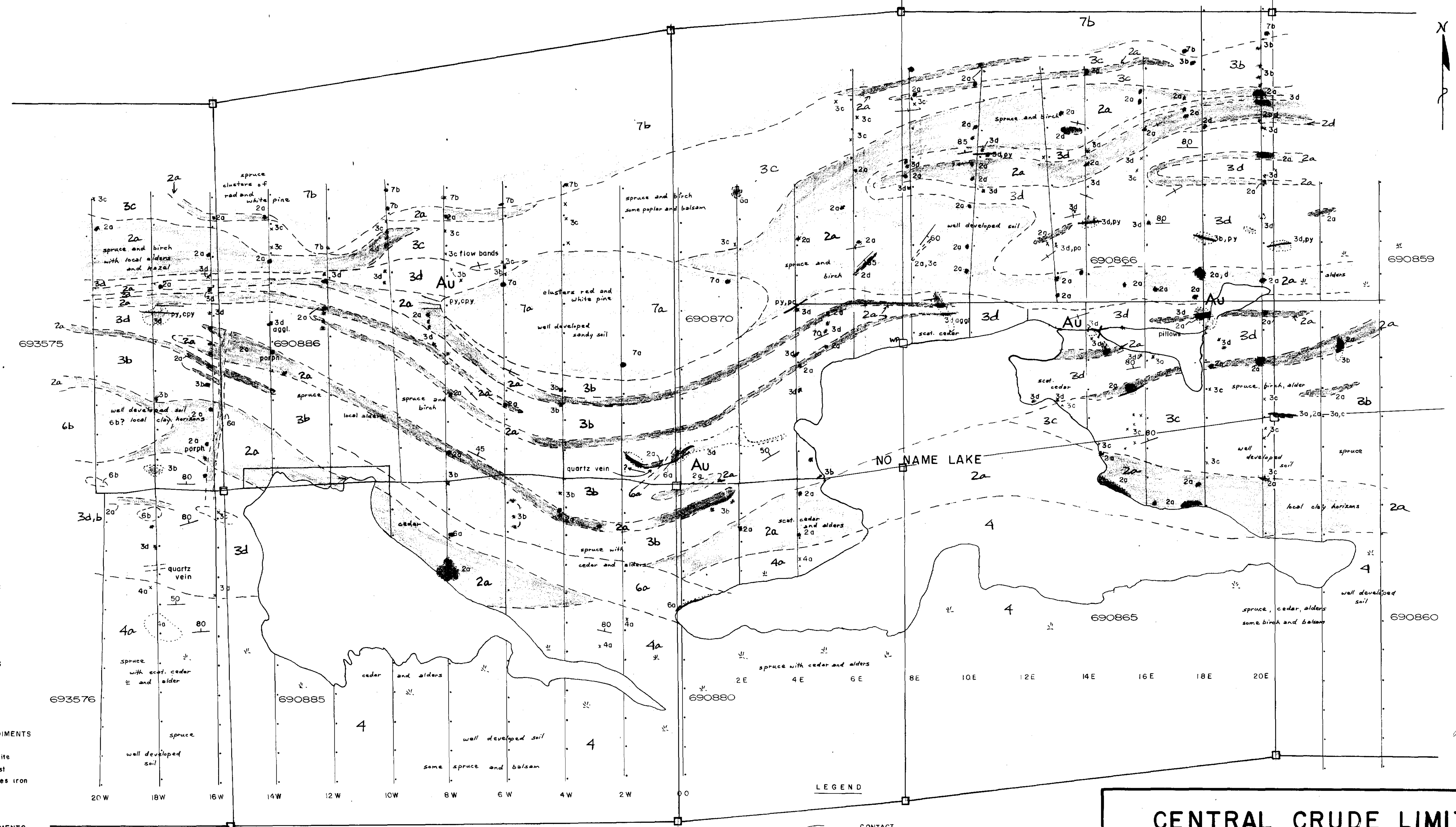
PROJECT:

EAGLE RIVER CLAIMS

DRAWING:
FIGURE 15: NO NAME LAKE ROCK SAMPLE LOCATION MAP.

SCALE: 1" = 200'	DATE: OCTOBER, 1983	DRAWN BY: W.J.M.

84·12·6



LITHOLOGY

GRANITIC ROCKS

- 7a granite
- b granodiorite
- c felsic dykes
- d aplite

MAFIC INTRUSIVES

- 6a diabase
- 6b gabbro

CHEMICAL METASEDIMENTS

- 5a chert, magnetite
- b graphite schist
- c sulphide facies iron formation
- d chert

CLASTIC METASEDIMENTS

- 4a volcaniclastic wacke
- b argillite
- c siltstone
- d lithic arkose
- e conglomerate

FELSIC TO INTERMEDIATE VOLCANICS

- 3a sericite schist
- c flow (with or without banding)
- e spherulitic flow
- f vesicular flow
- 3b tuff
- d lapilli tuff and agglomerate

MAFIC VOLCANICS

- 2a massive flow
- b pillowed flow
- c chlorite schist
- g vesicular flow
- 2d tuff
- e lapilli tuff
- f agglomerate

LEGEND

- CONTACT
- INFERRED CONTACT
- LARGE OUTCROP
- OUTCROP
- 50 STRIKE, DIP OF BEDDING
- 20 TREND, PLUNGE OF FOLD AXIS.
- MINERALIZED HORIZON

41N|14NW-0014, #8

C. E. Page 84-12.6

2 Udo Sup

CENTRAL CRUDE LIMITED.

PROJECT:

EAGLE RIVER CLAIMS

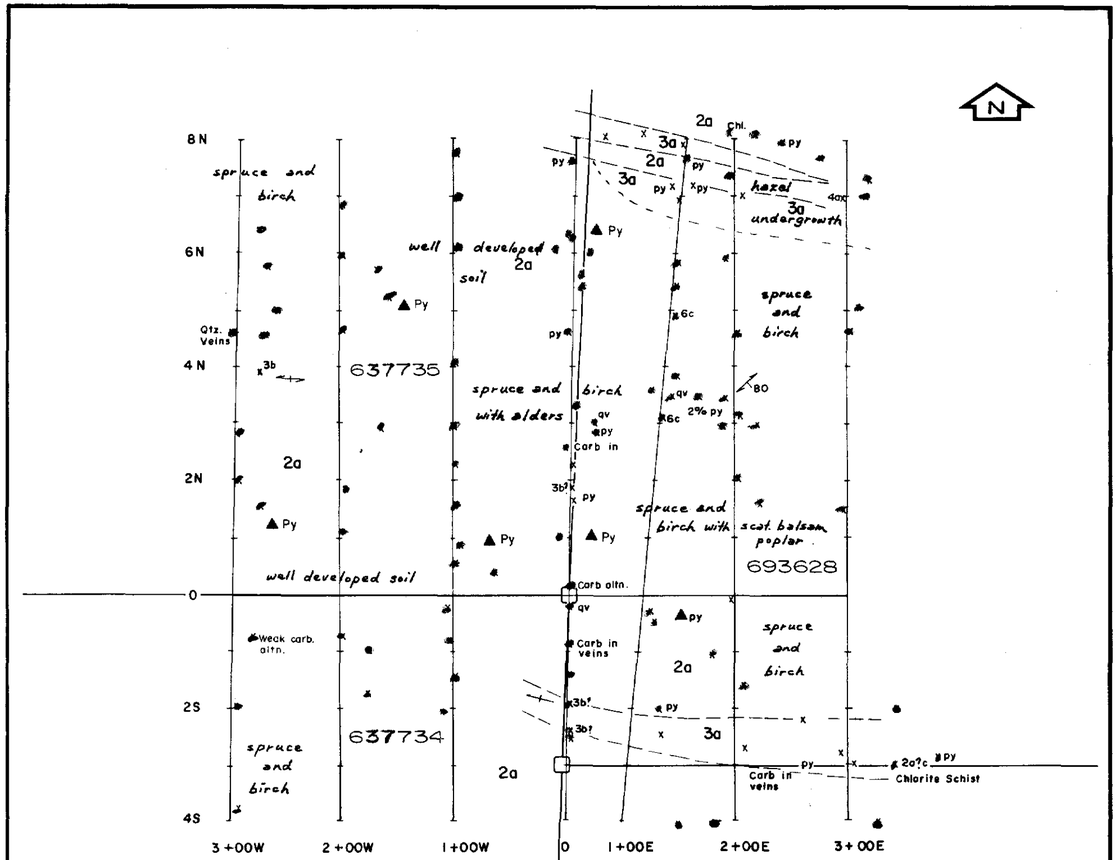
DRAWING: FIGURE 14: NO NAME LAKE GEOLOGY MAP.

SCALE: 1" = 200'.	DATE: OCTOBER, 1983	DRAWN BY: W.J.M.

1

42C03SW0101 41N14NW0014 NISHIBISHU LAKE

240



INTRUSIVE - LATE PRECAMBRIAN

6 c. Diabase

CLASTIC METASEDIMENTS

4 a. Volcanic clast wacke

FELSIC - INTERMEDIATE METAVOLCANICS

3 a. Sericite schist, massive flow
b. Intermediate tuff (and felsic)

MAFIC - INTERMEDIATE METAVOLCANICS

2 a. Massive flows

Chl Chlorite py pyrite
q.v. quartz vein

42C03SW0101 41N14NW0014 MISHIBISHU LAKE

250

CENTRAL CRUDE LIMITED

EAGLE RIVER

Newt Lake Grid

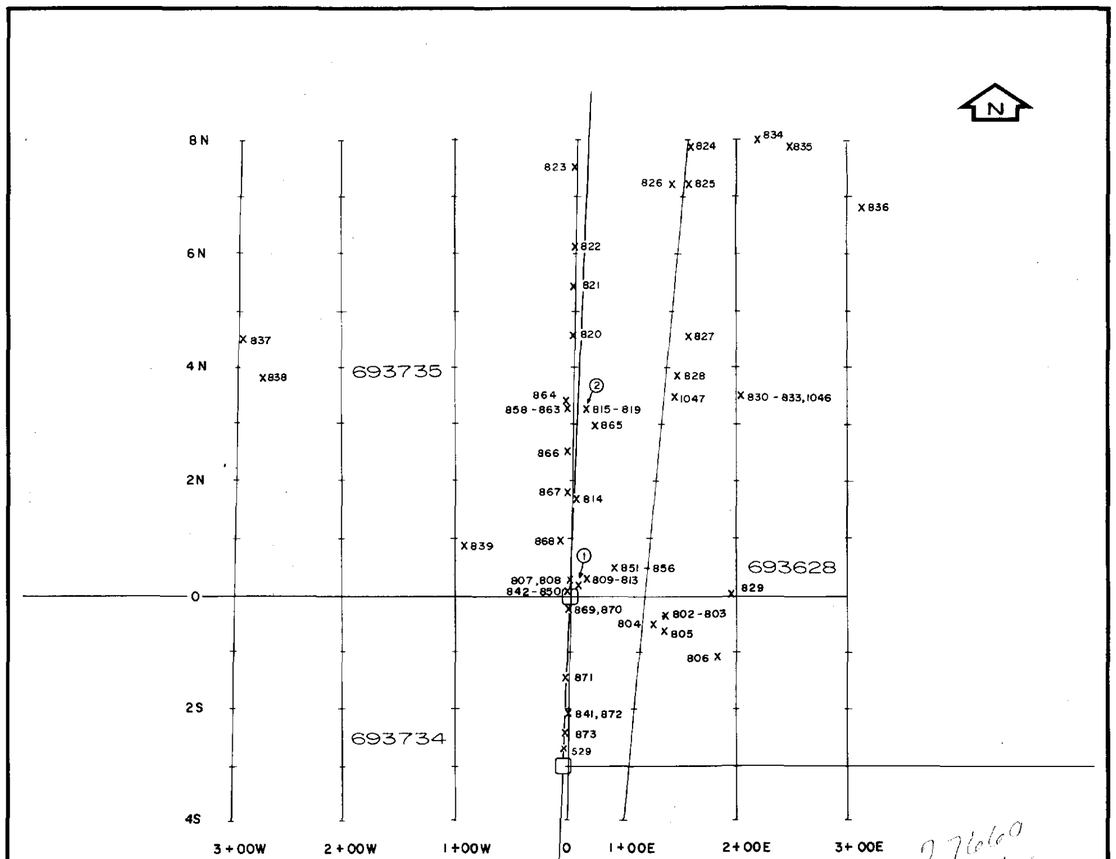
DETAILED GEOLOGY

100 0 200
FEET

C.E. Page 14.12.84

JULY 1983

FIGURE 12



① 530, 544 - 549

② 550-555, 557

41N/14NW-0014, #7

CENTRAL CRUDE LIMITED

EAGLE RIVER

Newt Lake Grid

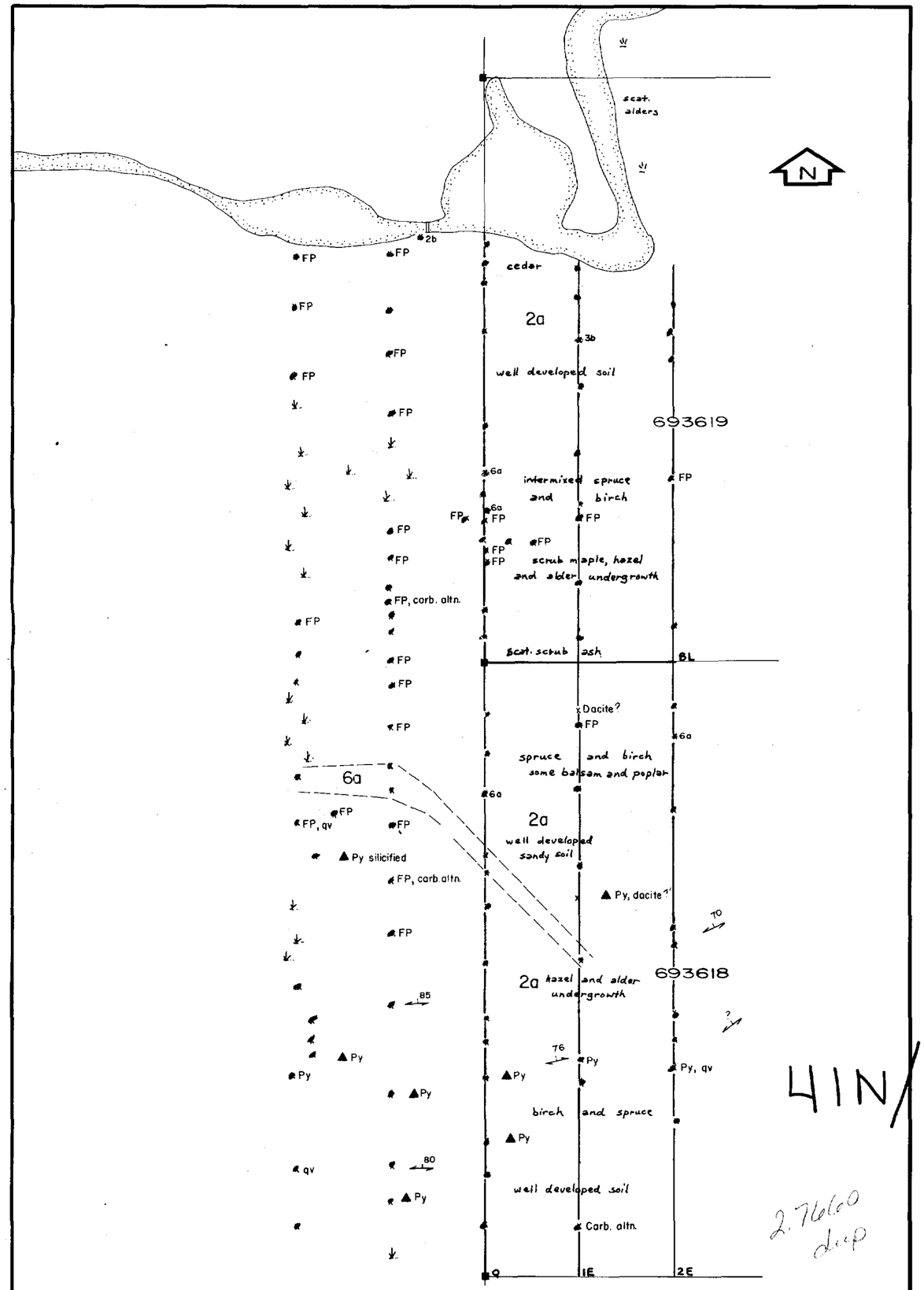
SAMPLE LOCATION MAP

100 0 200
FEET

C.E. Page 84.12.6

JULY 1983

FIGURE 13



INTRUSIVE - LATE PRECAMBRIAN

6 a. Diabase

CLASTIC - METASEDIMENTS

4 b. Argillite

INTERMEDIATE METAVOLCANICS

2 a. massive flow

FP - mafic porphyritic flow

42C03SW0101 41N14NW0014 MISHIBISHU LAKE

1 JDE LIMITED

260 IVER

South of Floating Heart River

DETAILED GEOLOGY

100 0 200 FEET

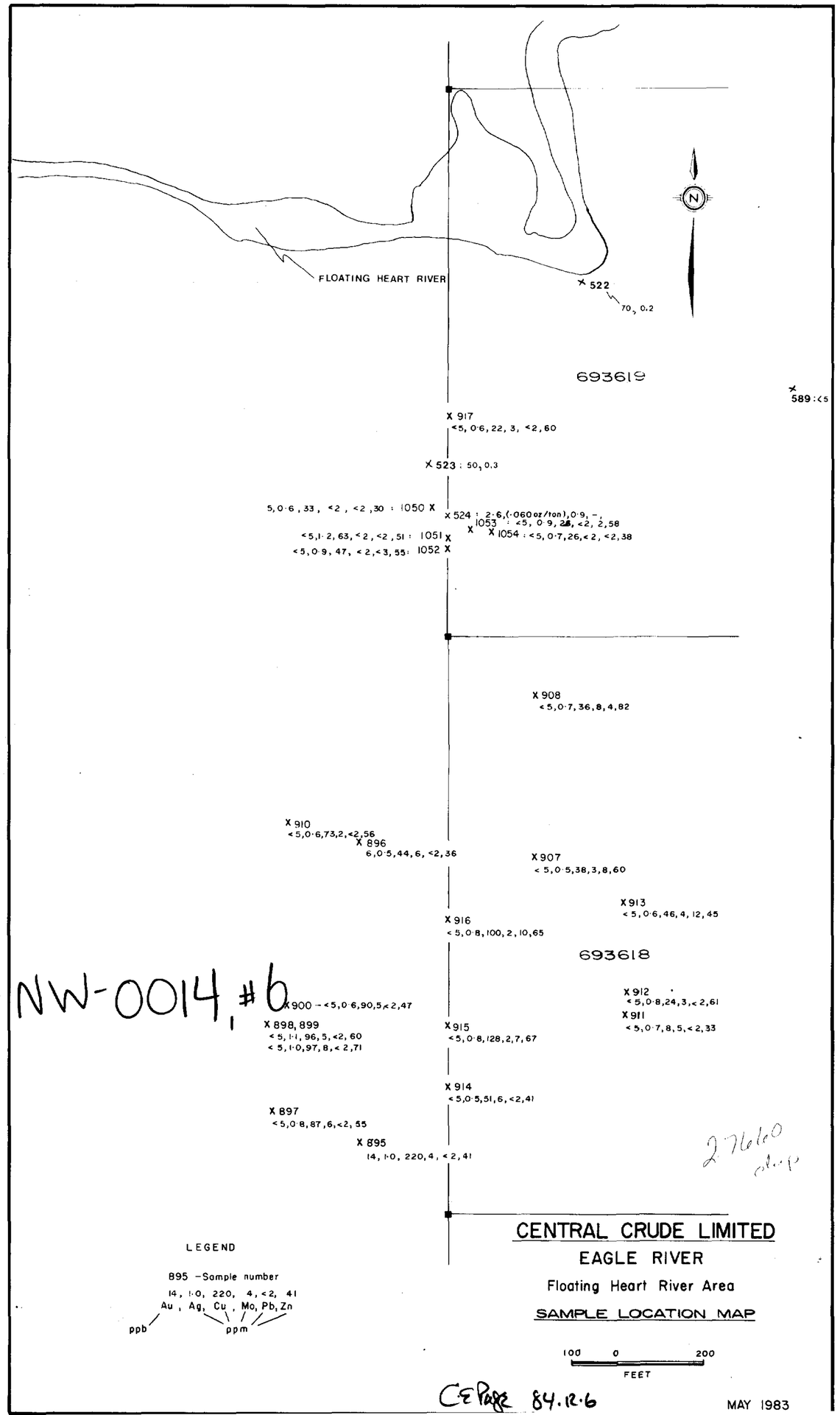
August 1983

FIGURE 10

C.E. Page 14.12.84

41N/14NW-0014, #6

2.76160 dep



LEGEND

895 – Sample number

14, 1·0, 220, 4, <2, 41

Au, Ag, Cu, Mo, Pb, Zn

ppb ppm

CENTRAL CRUDE LIMITED

EAGLE RIVER

Floating Heart River Area

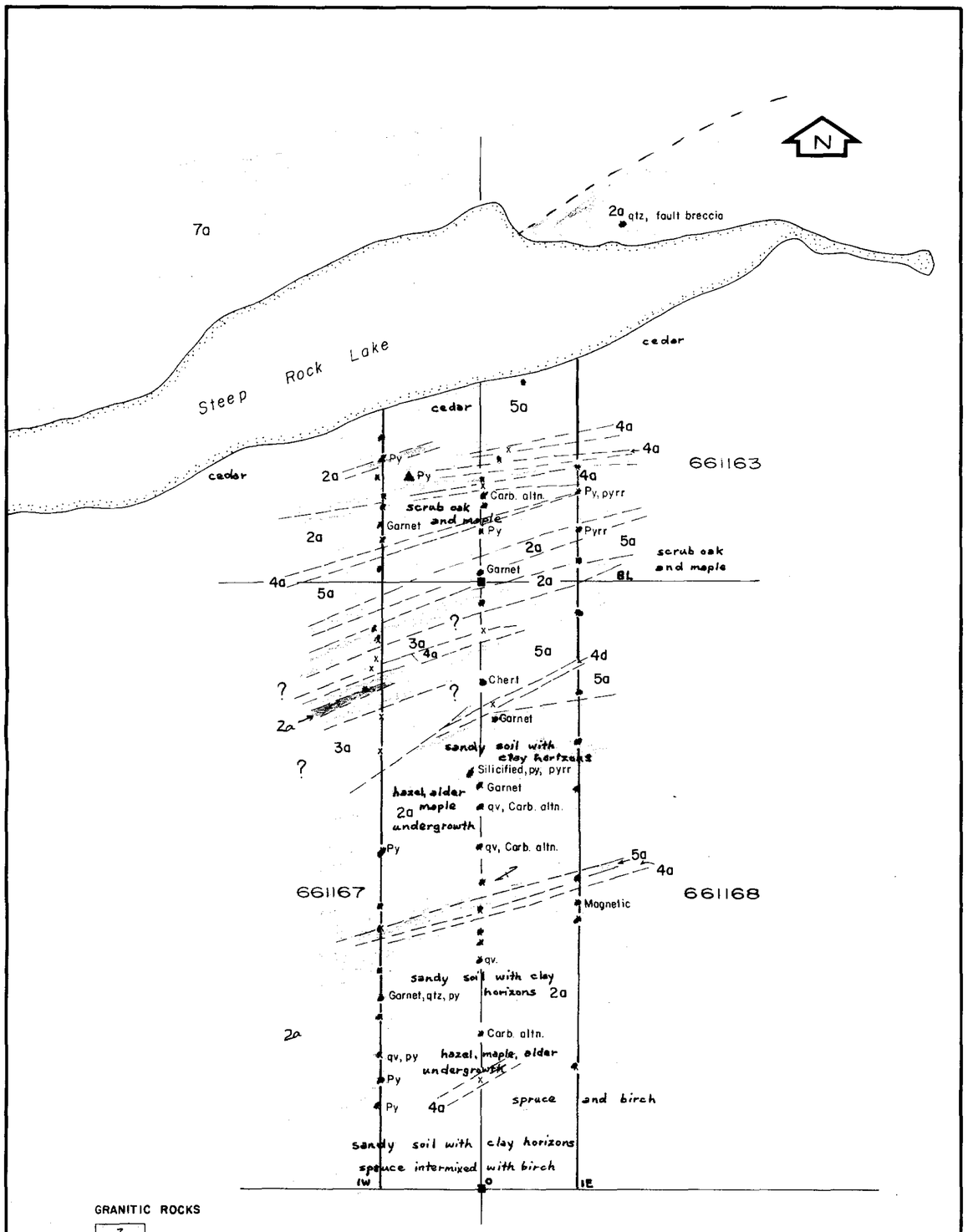
SAMPLE LOCATION MAP

100 0 200 FEET

C.E. Page 84.12.6

MAY 1983

2.76160 dep



GRANITIC ROCKS

7 a. Granite

CHEMICAL METASEDIMENTS

5 a. Chert, magnetite

CLASTIC METASEDIMENTS

4 a. Volcanic clast wacke
d. Lithic arkose (sandstone)

FELSIC - INTERMEDIATE METAVOLCANICS

3 a. Sericite schist, massive flow

MAFIC - INTERMEDIATE METAVOLCANICS

2 a. Massive flows

pyrr pyrrhotite py pyrite
q.v. quartz vein

27660 dup

270

CENTRAL CRUDE LIMITED

EAGLE RIVER

Steep Rock Lake Area

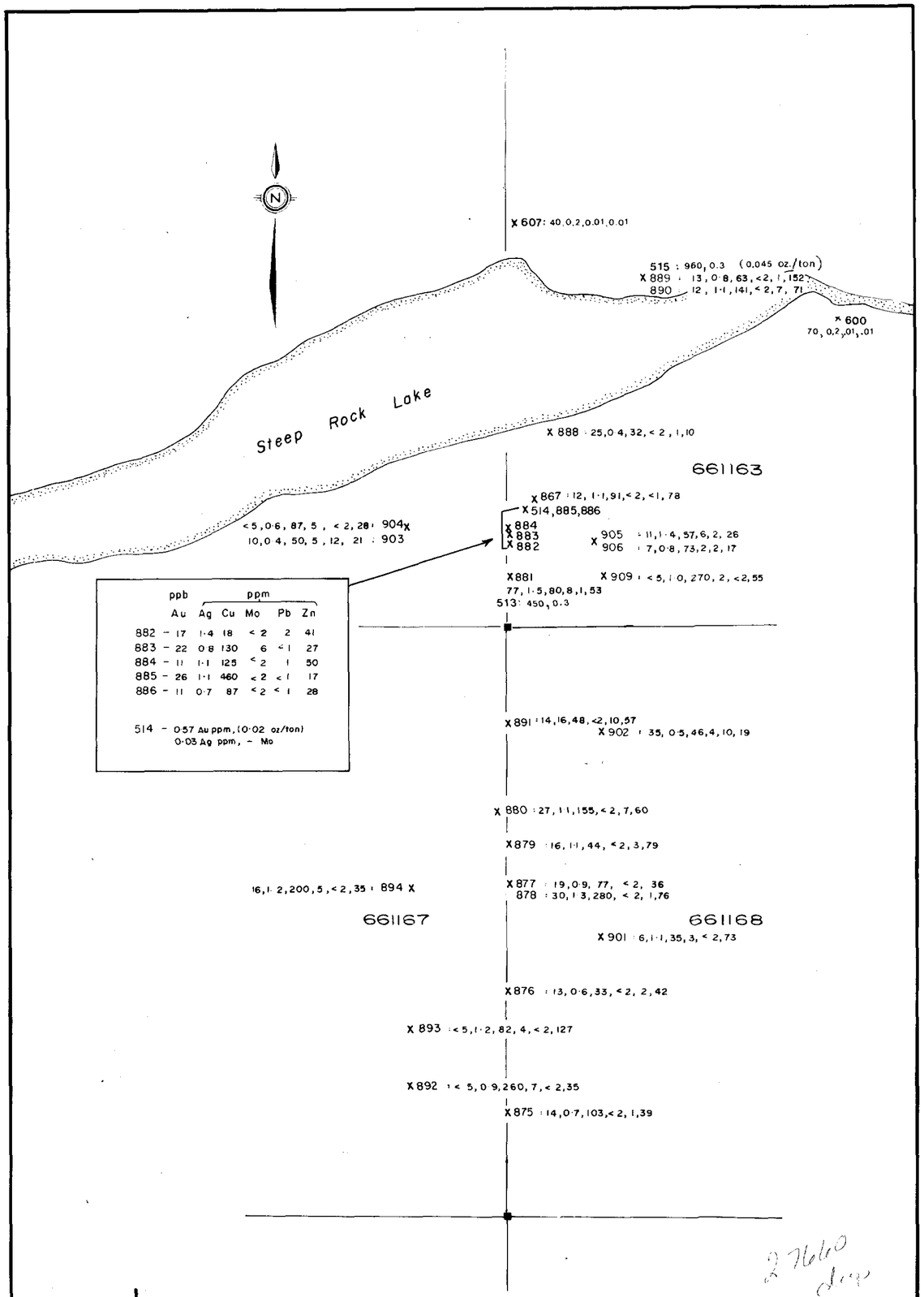
DETAILED GEOLOGY

C.E. Page 14.R.84

100 0 200
FEET

August 1983

FIGURE 8



	ppb	ppm				
	Au	Ag	Cu	Mo	Pb	Zn
882 -	17	1·4	18	< 2	2	41
883 -	22	0·8	130	6	< 1	27
884 -	11	1·1	125	< 2	1	50
885 -	26	1·1	460	< 2	< 1	17
886 -	11	0·7	87	< 2	< 1	28

514 - 0·57 Au ppm, (0·02 oz/ton)
0·03 Ag ppm, - Mo

27660 dup

41N/14NW-0014, #5

CENTRAL CRUDE LIMITED

EAGLE RIVER

Steep Rock Lake Area

SAMPLE LOCATION MAP

100 0 200
FEET

C.E. Page 84.R.6

MAY 1983

FIGURE 9

	Au (ppb)	Au (oz/ton)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
508	2		-.5	-	-	-	-
509	2		.5	37	-	-	39
510	7		-.5	11	-	-	1
511	3		.5	-	-	-	-

	Au (ppb)	Au (oz/ton)	Ag (ppm)	Cu%	Pb%	Zn%	Mo%
513	450		0.3	-			
514	980		0.4	0.02			
515	960		0.3	-			
516	310		0.3	-			
517	100		0.2	-			
518	120		0.4	0.01			
519	260		0.7	-			
520	160		0.2	-			
521	110		0.2	-			
522	70		0.2	-			
523	50		0.3	-			
524	2,600		0.9	-			
525	40		0.2	-			
526	130		0.2	-			
527	280		0.9	-			
528	170		0.5	-			
529	20		0.4	-			
530	130		0.3	0.01			
536	190		0.2	-			
537	100		0.2	-			
538	40		0.7	-			
539	80		0.4	-			
549	40		-0.2	-			
550	50		-0.2	-			
551	60		-0.2	-			
552	40		0.2	-			
553	50		0.2	-			
554	2,090		0.8	0.02			
555	140		0.2	-			
556	90		-	-			
557	70		-	-			
561	30		-	-			
562	-5		0.8	-			
563	-5		-	-			
564	-5		-	-			
565	-5		-	-			
566	-5		-	-			
567	-5		-	-			
568	-5		-	-			

	Au (ppb)	Au (oz/ton)	Ag (ppm)	Cu%	Pb%	Zn%	Mo%
569	65		-	-			
570	-5		0.2	0.02			
571	-5		0.4	-			
572	-5		0.4	0.01			
573	-5		0.2	0.01			
574	-5		0.2	-			
575	-5		0.2	-			
576	-5		0.2	-			
585	-5						
586	-5						
587	-5						
588	-5						
589	-5						
590	-5						
591	-5						
592	-5						
594	-5						
595	-5						
596	-5						
600	70		0.2	0.01	-	-	0.01
607	40		0.2	-0.01	-	-	-0.01
615	60		0.2	0.02	-	-	-0.01
616	30		0.2	-0.01	-	-	-0.01
617	60		0.2	-0.01	-	-	-0.01
619	20		0.2	0.02	-	-	0.01
620	30		-0.2	-0.01	-	-	-0.01
621	40		0.2	-0.01	-	-	-0.01

	Au (ppb)	Au (oz/ton)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
699	13		-.2	9			-2
728	8		-.2	88	13	17	-2
729	250		1.2	700	9	14	-2
730	8		.3	172	14	34	-2
731	10		-.2	8	9	21	-2
732	10		.2	4	1	2	-2
733	9		.2	20	4	17	-2
734	100		1.2	1250	9	57	-2
735	130		1.8	340	55	670	-2
736	13		.2	41	7	49	-2
737	-5		.2	22	11	14	-2
738	40		.2	13	4	6	-2
739	9		.2	6	4	7	-2
740	-5		.2	15	4	7	-2
741	10		.2	45	8	42	-2
743	7		.2	9	4	10	-2
744	-5		.2	78	3	14	-2
745	9		.2	30	6	48	-2
746	9		.2	19	5	82	-2
747	15		.3	103	11	20	-2
750	5		.2	53	11	15	-2
751	-5		-.2	15	6	12	-2
752	10		.2	62	10	32	-2
753	12		-.2	28	18	62	4
754	8		-.2	5	7	12	-2
755	+1000	.408	.8	67	21	13	-2
756	161		.2	3	18	8	-2
757	17		1.3	135	5	46	2
758	11		1	33	6	29	-2
759	22		1.3	162	4	60	-2
760	17		2.2	220	4	220	-2
761	15		1.8	12	11	149	-2
762	28		0.4	73	6	17	-2
763	21		1.5	106	68	194	-2
764	20		0.8	134	4	61	-2
765	14		1.0	161	7	59	-2
767	10		0.6	19	3	33	-2
773	17		3.1	220	49	580	4
778	188		2.2	330	13	295	-2
780	26		0.6	23	4	48	-2
781	79		1.1	360	7	54	-2
782	20		0.8	138	5	35	-2
783	14		0.6	38	3	35	-2
785	6		1.0	28	6	116	-2
786	28		1.2	20	4	120	-2
787	17		2.2	37	4	95	-2
788	20		1.5	72	6	103	-2
789	21		1.8	127	5	133	-2
790	13		1.1	62	6	79	-2

	Au (ppb)	Au (oz/ton)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
798	-5		.3	30	6	82	-2
799	70		1.8	2400	5	63	-2
800	350		.9	160	1	57	-2
801	20		.5	66	-1	68	-2
840	11		1.1	130	-1	68	-2
857	15		0.8	140	-1	72	-2
874	13		0.5	176	2	20	10
1252	45						
1253	55						
1254	15						
1255	-5						
1256	-5						
1257	10						
1277	65						
1278	10						

Anomalous Gold Zone

CENTRAL CRUDE LIMITED

MISHIBISHU LAKE AREA

EAGLE RIVER CLAIMS

SOUTH SHEET

RECONNAISSANCE ROCK SAMPLE LOCATION MAP

FIGURE 7b

GSRge 84 12.6

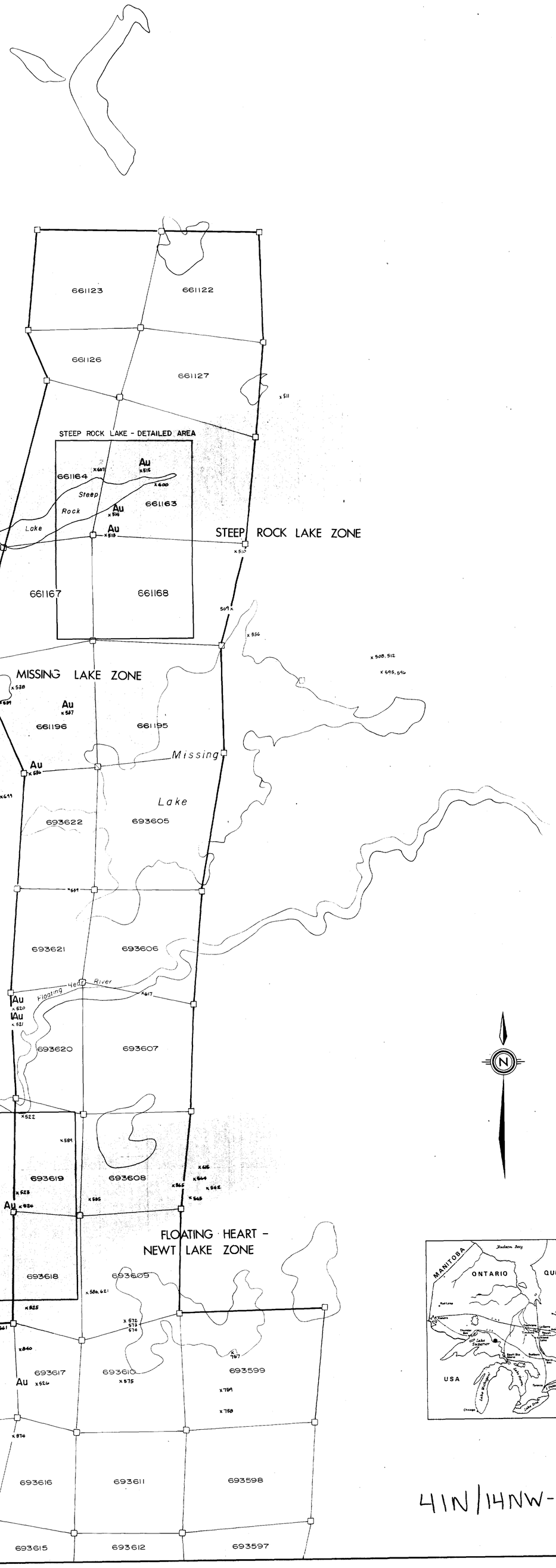
2.7660 dup

0 500 1000 1500 2000
FEET

41N14NW-0014,#4

Toronto, Ontario

November 1983



	Au(ppb)	Au(oz/ton)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Mo(ppm)
508	2		-.5	-	-	-	-
509	2		.5	37	-	-	39
510	7		-.5	11	-	-	1
511	3		.5	-	-	-	-

	Au(ppb)	Au(oz/ton)	Ag(ppm)	Cu%	Pb%	Zn%	Mo%
513	450		0.3	-			
514	980		0.4	0.02			
515	960		0.3	-			
516	110		0.3	-			
517	100		0.2	-			
518	120		0.4	0.01			
519	260		0.7	-			
520	160		0.2	-			
521	110		0.2	-			
522	70		0.2	-			
523	50		0.3	-			
524	2,600		0.9	-			
525	40		0.2	-			
526	130		0.2	-			
527	280		0.9	-			
528	170		0.5	-			
529	20		0.4	-			
530	130		0.3	0.01			
536	190		0.2	-			
537	100		0.2	-			
538	40		0.7	-			
539	80		0.4	-			
549	40		-0.2	-			
550	50		-0.2	-			
551	60		-0.2	-			
552	40		0.2	-			
553	50		0.2	-			
554	2,090		0.8	0.02			
555	140		0.2	-			
556	90		-	-			
557	70		-	-			
561	30		-	-			
562	-5		0.8	-			
563	-5		-	-			
564	-5		-	-			
565	-5		-	-			
566	-5		-	-			
567	-5		-	-			
568	-5		-	-			
569	65		-	-			
570	-5		0.2	0.02			
571	-5		0.4	-			
572	-5		0.4	0.01			
573	-5		0.2	0.01			
574	-5		0.2	-			
575	-5		0.2	-			
576	-5		0.2	-			
585	-5						
586	-5						
587	-5						
588	-5						
589	-5						
590	-5						
591	-5						
592	-5						
594	-5						
595	-5						
596	-5						
600	70		0.2	0.01	-	-	0.01
607	40		0.2	-0.01	-	-	-0.01
615	60		0.2	0.02	-	-	-0.01
616	30		0.2	-0.01	-	-	-0.01
617	60		0.2	-0.01	-	-	-0.01
619	20		0.2	0.02	-	-	0.01
620	30		-0.2	-0.01	-	-	-0.01
621	40		0.2	-0.01	-	-	-0.01

	Au(ppb)	Au(oz/ton)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Mo(ppm)
699	13		-.2	9			-2
728	8		-.2	88	13	17	-2
729	250		1.2	700	9	14	-2
730	8		.3	172	14	34	-2
731	10		-.2	8	9	21	-2
732	10		.2	4	1	2	-2
733	9		.2	20	4	17	-2
734	100		1.2	1250	9	57	-2
735	130		1.8	340	55	670	-2
736	13		.2	41	7	49	-2
737	-5		.2	22	11	14	-2
738	40		.2	13	4	6	-2
739	9		.2	6	4	7	-2
740	-5		.2	15	4	7	-2
741	10		.2	45	8	42	-2
743	7		.2	9	4	10	-2
744	-5		.2	78	3	14	-2
745	9		.2	30	6	48	-2
746	9		.2	19	5	82	-2
747	15		.3	103	11	20	-2
750	5		.2	53	11	15	-2
751	-5		-.2	15	6	12	-2
752	10		.2	62	10	32	-2
753	12		-.2	26	18	62	4
754	8		-.2	5	7	12	-2
755	+1000	.408	.8	67	21	13	-2
756	161		.2	3	18	8	-2
757	17		1.3	135	5	46	2
758	11		1	33	6	29	-2
759	22		1.3	162	4	60	-2
760	17		2.2	220	4	220	-2
761	15		1.8	12	11	149	-2
762	28		0.4	73	6	17	-2
763	21		1.5	106	68	194	-2
764	20		0.8	134	4	61	-2
765	14		1.0	161	7	59	-2
767	10		0.6	19	3	33	-2
773	17		3.1	220	49	580	4
778	188		2.2	330	13	295	-2
780	26		0.6	23	4	48	-2
781	79		1.1	360	7	54	-2
782	20		0.8	138	5	35	-2
783	14		0.6	38	3	35	-2
785	6		1.0	28	6	116	-2
786	28		1.2	20	4	120	-2
787	17		2.2	37	4	95	-2
788	20		1.5	72	6	103	-2
789	21		1.8	127	5	133	-2
790	13		1.1	62	6	79	-2
798	-5		.3	30	6	82	-2
799	70		1.8	2400	5	63	-2
800	350		.9	160	1	57	-2
801	20		.5	66	1	68	-2
840	11		1.1	130	-1	68	-2
857	15		0.8	140	-1	72	-2
874	13		0.5	176	2	20	10
1252	45						
1253	55						
1254	15						
1255	-5						
1256	-5						
1257	10						
1277	65						
1278	10						

Anomalous Gold Zone

CENTRAL CRUDE LIMITED

MISHIBISHU LAKE AREA

EAGLE RIVER CLAIMS

NORTH SHEET

RECONNAISSANCE ROCK SAMPLE LOCATION MAP

FIGURE 7a

0 500 1000 1500 2000 FEET

Toronto, Ontario

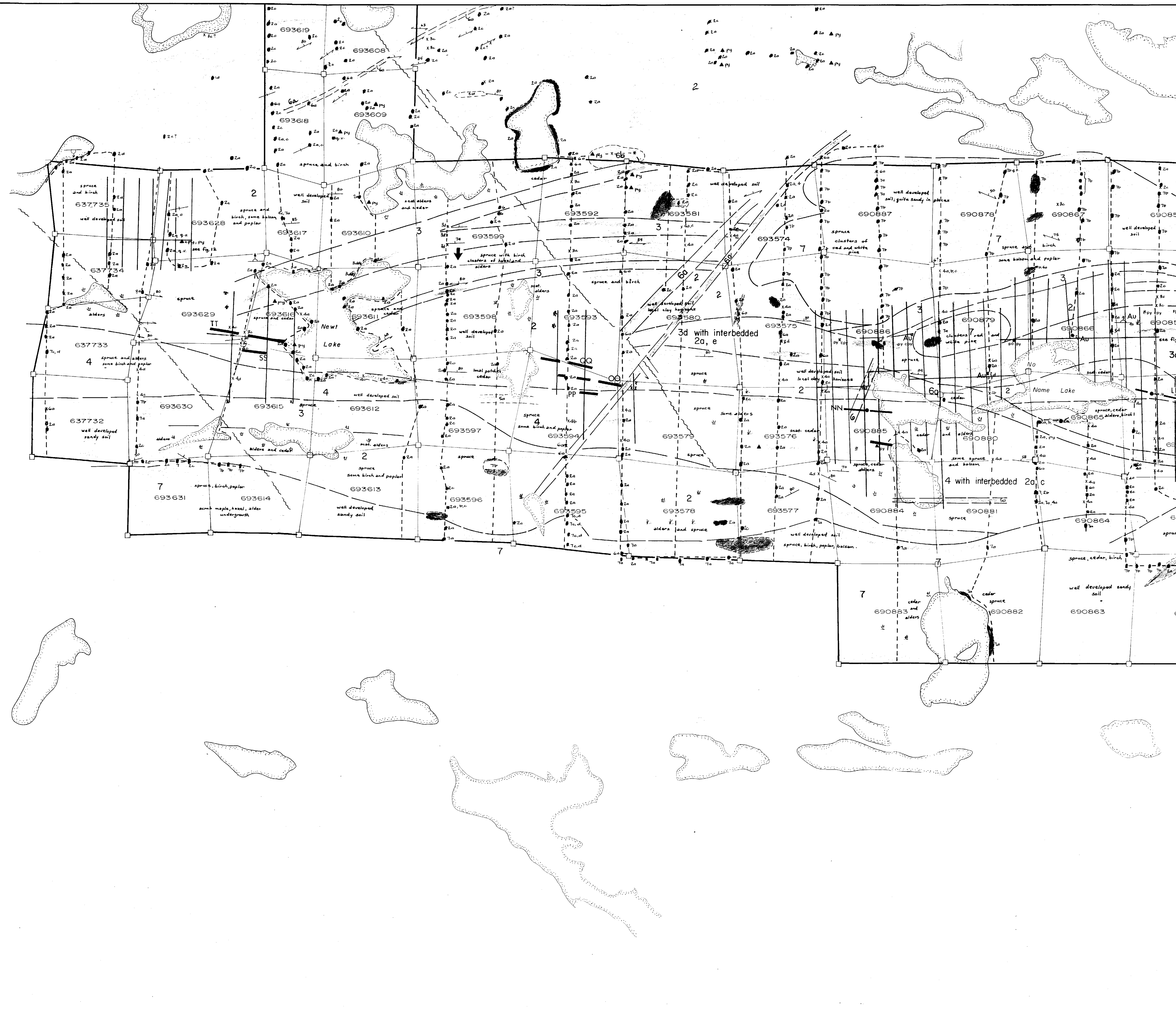
November 1983

C-2 Pgs 84-12-6

2.7660 dup

41N/14NW-0014,#3

290



LEGEND

7 GRANITIC ROCKS-EARLY PRECAMBRIAN
- 7a. granite
- 7b. granodiorite
- 7c. felsic dykes
- 7d. aplite
- 7e. quartz feldspar porphyry

INTRUSIVE-LATE PRECAMBRIAN
- 6a. diabase
- 6b. gabbro

5 CHEMICAL METASEDIMENTS
- 5a. chert, oxide iron formation
- 5b. graphite schist
- 5c. sulphide iron formation
- 5d. chert

4 CLASTIC METASEDIMENTS
- 4a. volcanoclastic wacke
- 4b. argillite
- 4c. thinly bedded wacke-siltstone
- 4d. lithic arkose-sandstone
- 4e. quartz-feldspar-biotite schist
- 4f. conglomerate

3 FELSIC-INTERMEDIATE METAVOLCANICS
- 3a. sericite schist
- 3b. tuff
- 3c. massive flow
- 3d. lapilli tuffs and agglomerates
- 3e. spherulitic lavas
- 3f. vesicular lavas

2 MAFIC-INTERMEDIATE METAVOLCANICS
- 2a. massive flows
- 2b. pillowed flows
- 2c. chlorite schist
- 2d. tuff
- 2e. lapilli tuff
- 2f. agglomerate
- 2g. vesicular lava flows

1 ULTRAMAFIC FLOWS

SYMBOLS

- fault
- foliation; inclined, vertical
- contact top indicator
- large outcrop
- outcrop
- bedding strike and dip
- bedding strike and dip with pillows
- swamp
- DH drill hole; vertical, inclined
- anticline, syncline, with plunge

Au	-gold - more than 100 ppb
Ag	-silver - more than 0.5 oz/ton
Zn	-zinc
Cu	-copper - more than 1%
fe	-iron
py.	-pyrite
cp.	-chalcopyrite
ars.	-arsenopyrite
po.	-pyrrotite
ser.	-serecite
sil.	-silicified
carb.	-carbonate
chl	-chlorite
qv.	-quartz vein
bx.	-breccia

CENTRAL CRUDE LIMITED

MISHIBISHU LAKE AREA

EAGLE RIVER CLAIMS

SOUTH SHEET

RECONNAISSANCE GEOLOGY MAP

FIGURE 5b

41N/14NW-0014, #2

C.E.Page 84.12.6

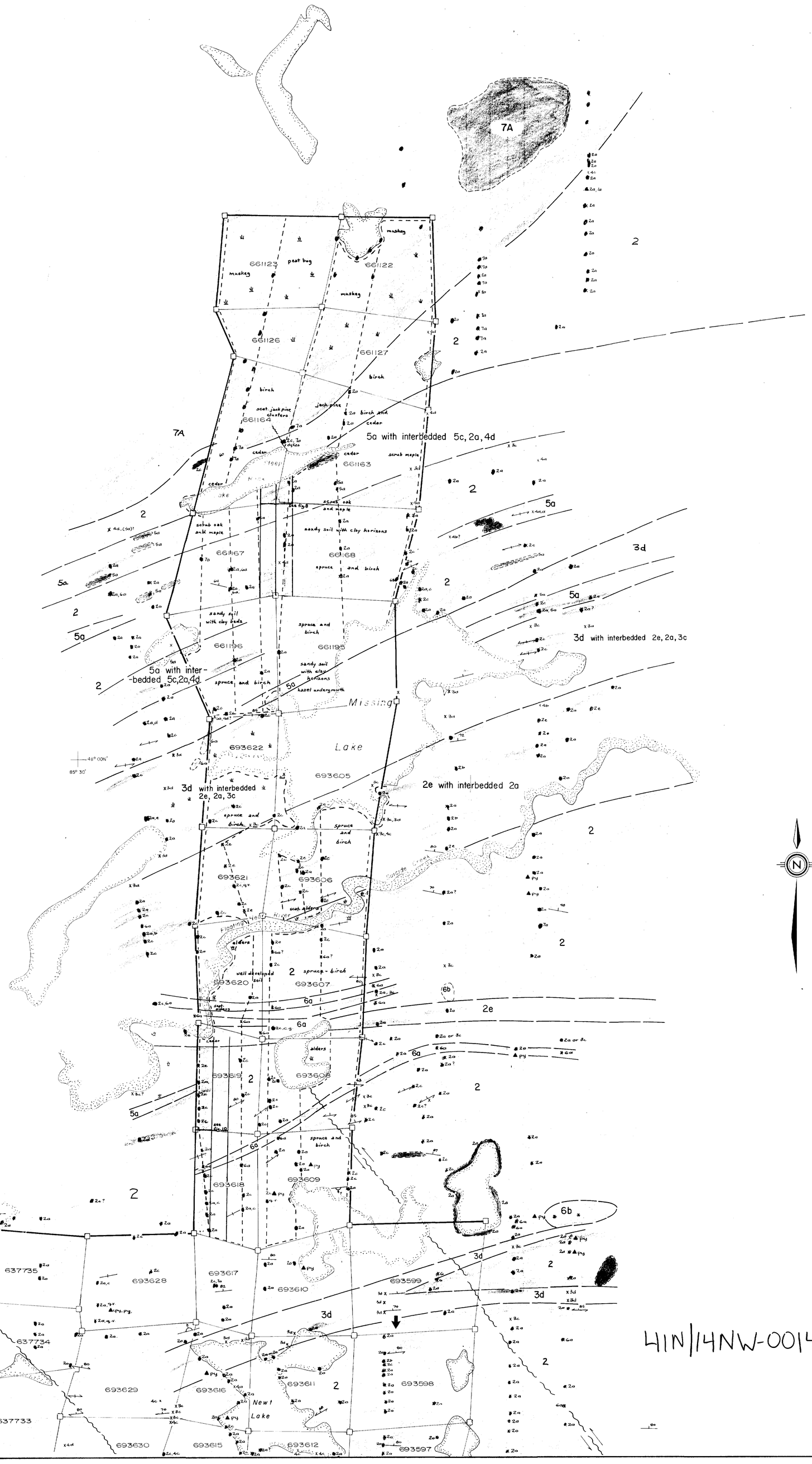
2.7660 dups

0 500 1000 1500 2000 FEET

Toronto, Ontario

November, 1983

300



LEGEND

7 GRANITIC ROCKS-EARLY PRECAMBRIAN
- 7a. granite
- 7b. granodiorite
- 7c. felsic dykes
- 7d. aplite
- 7e. quartz feldspar porphyry

INTRUSIVE-LATE PRECAMBRIAN

6a 6b
- 6a. diabase
- 6b. gabbro

5 CHEMICAL METASEDIMENTS
- 5a. chert, oxide iron formation
- 5b. graphite schist
- 5c. sulphide iron formation
- 5d. chert

4 CLASTIC METASEDIMENTS
- 4a. volcanoclastic wacke
- 4b. argillite
- 4c. thinly bedded wacke-siltstone
- 4d. lithic arkose-sandstone
- 4e. quartz-feldspar-biotite schist
- 4f. conglomerate

3 FELSIC-INTERMEDIATE METAVOLCANICS
- 3a. sericite schist
- 3b. tuff
- 3c. massive flow
- 3d. lapilli tuffs and agglomerates
- 3e. spherulitic lavas
- 3f. vesicular lavas

2 MAFIC-INTERMEDIATE METAVOLCANICS
- 2a. massive flows
- 2b. pillowed flows
- 2c. chlorite schist
- 2d. tuff
- 2e. lapilli tuff
- 2f. agglomerate
- 2g. vesicular lava flows

1 ULTRAMAFIC FLOWS

SYMBOLS

- fault
- foliation; inclined, vertical
- contact top indicator
- large outcrop
- x outcrop
- bedding strike and dip
- bedding strike and dip with pillows
- swamp
- drill hole; vertical, inclined
- anticline, syncline, with plunge
- pace and compass, flagged traverse lines

Au -gold - more than 100 ppb
Ag -silver - more than 0.5 oz/ton
Zn -zinc
Cu -copper - more than 1%
fe -iron
py. -pyrite
cp. -chalcopyrite
ars. -arsenopyrite
po. -pyrrotite
ser. -sericite
sil. -silicified
carb. -carbonate
chl -chlorite
qv. -quartz vein
bx. -breccia

CENTRAL CRUDE LIMITED

MISHIBISHU LAKE AREA

EAGLE RIVER CLAIMS

NORTH SHEET

RECONNAISSANCE GEOLOGY MAP

FIGURE 5a

Toronto, Ontario — November, 1983