85-1192-14348

GEOLOGICAL BRANCH ASSESSMENT REPORT

14,348

GEOLOGICAL AND GEOCHEMICAL
ASSESSMENT REPORT
ON THE
SUE 1 AND SUE 2 MINERAL CLAIMS

12/86

NTS 104 O / 16 W
LIARD MINING DIVISION
59° 59' N. Latitude
130° 23' W. Longitude

FOR

OWNER: Turner Energy and Resources Ltd.

OPERATOR: MIKADO RESOURCES LTD.
VANCOUVER, B. C.

BY

R. J. Darney, Geologist
D. A. Caulfield, Geologist
C. K. Ikona, P. Eng.

December 1985

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1.0 INTRODUCTION

In the late summer of 1985, an exploration program consisting of geochemical soil sampling, geological mapping and bulldozer trenching was conducted on the Sue 1 and 2 mineral claims.

A six man crew completed the program between September 10 and October 3, operating from a base camp established near the Tootsie River just east of the claims.

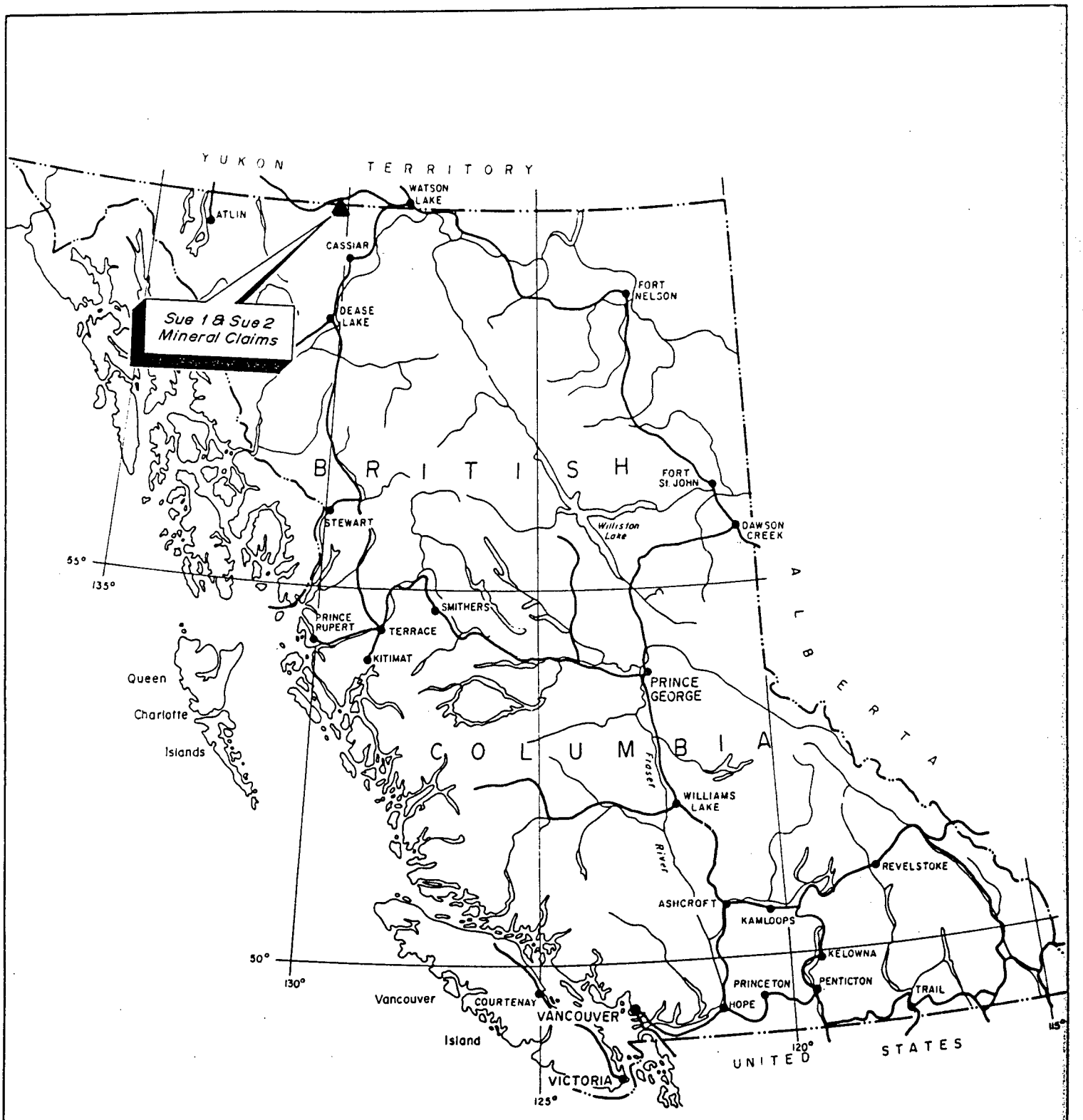
The following report documents the results of the program and makes recommendations for further work on the property.

2.0 LOCATION AND ACCESS

The Sue 1 and 2 mineral claims are located at approximately 59° 59' North Latitude and 130° 23' West Longitude on NTS sheet 104-0-16W in northern British Columbia, some 85 km west- southwest of the town of Watson Lake, Yukon Territory (Figure 1).

Truck access to the property is available on a gravel road which branches south from the Alaska Highway at mile 701 and follows southwest along the Tootsie River valley. At 21 km from the highway, the Sue claims road branches to the northwest and follows an even grade some 8 km to the west central portion of the claims area.

Access to the southern portion of the claims is made via the old Berg showing road which leaves the Tootsie River road at the bridge crossing, KM-22, and winds some 7.5 km to the south boundary of the Sue claims. A 4-wheel drive vehicle is necessary on this road.



Mikado Resources Ltd.

PROPERTY LOCATION MAP

SUE MINERAL CLAIMS

NTS 104 - O/16W

Liard Mining Division

November, 1985 **Figure 1**

Pamicon Developments Ltd.

The Tootsie River portion of the road is in well maintained condition and a newly completed bridge over the Rancheria River enables year round access. During the 1984-85 winter season, Regional Resources kept the Tootsie River road ploughed and open. The Sue claims portion of the road was built in 1984 and was kept to an even 2-wheel drive grade. The road remained in good condition through the breakup season and required little maintenance.

Watson Lake, at mile 632/1017 km, which is some 140 km by road from the Sue claims has all facilities necessary for supporting an exploration program.

The settlement of Rancheria at mile 710 on the Alaska Highway is some 44 km from the property. Facilities are available for fuel, food and lodging at Rancheria.

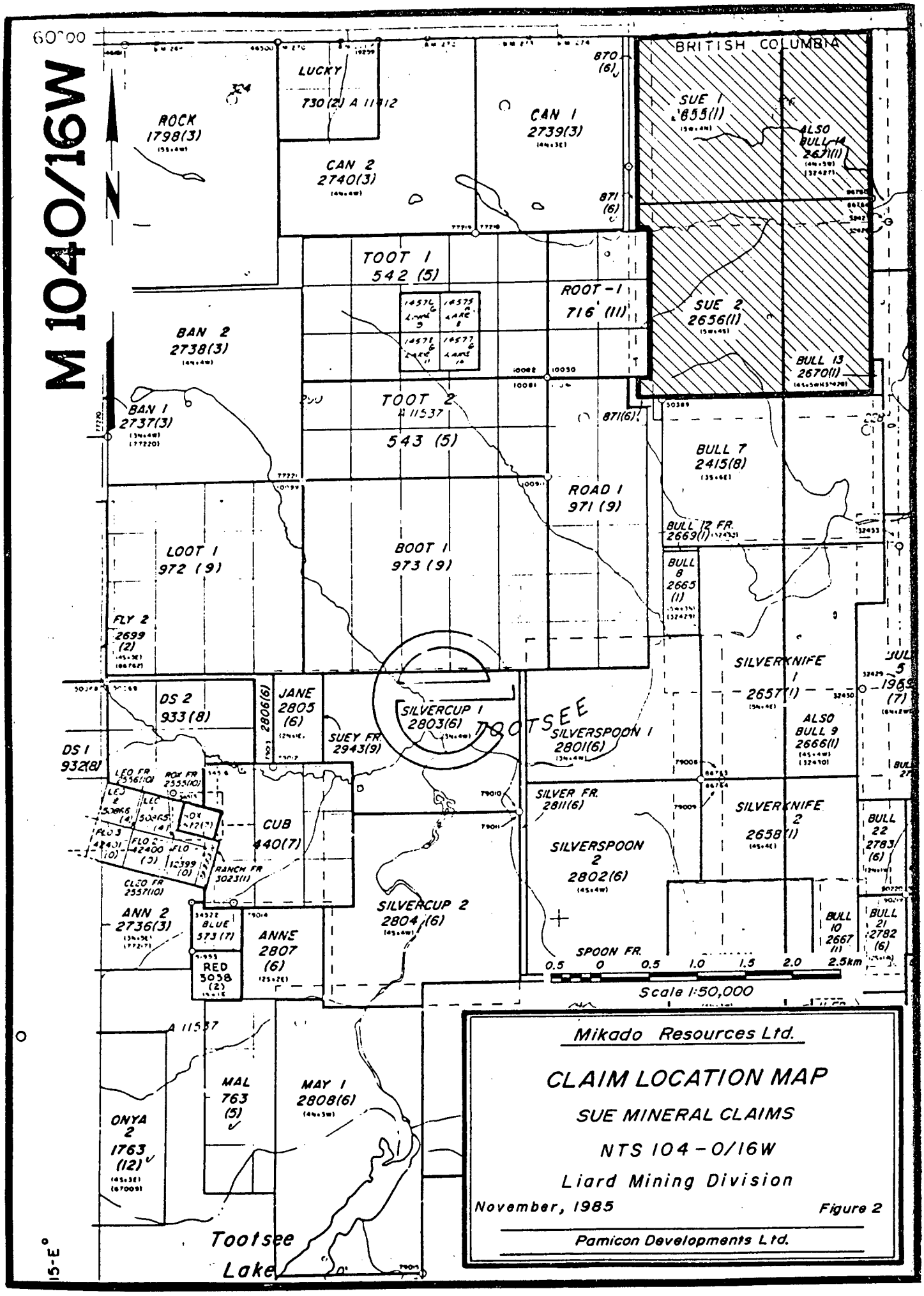
3.0 CLAIMS

The Sue 1 and 2 claims are located in the Liard Mining Division and are owned by Turner Energy and Resources Ltd. of Vancouver, B. C. Mikado Resources presently holds the ground under an option agreement (Figure 2).

Claim Name	Units	Record No.	Expiry Date
Sue 1	20	2655	January 1990
Sue 2	20	2656	January 1990

In October of 1984, a survey of the claim boundaries was conducted by Robert Allen and Company, Professional Land Surveyors.

The authors visited the LCP of Sue 1 and 2 as well as reviewed the claims records and found that both comply with the regulations of the British Columbia Mineral Act.



Mikado Resources Ltd.

CLAIM LOCATION MAP

SUE MINERAL CLAIMS

NTS 104-O/16W

Liard Mining Division

November, 1985

Figure 2

Pamicon Developments Ltd.

4.0 HISTORY

Early work by J.C. Stephen led to the discovery of anomalous tungsten values in stream sediment sampling. This information provided the basis for follow-up exploration and the staking of the JCS 1 and JCS 2 mineral claims in 1979 by Du Pont of Canada Exploration Ltd. In 1979, Du Pont conducted a geological mapping and geochemical soil sampling program over the JCS property. The geochemical program consisted of 10.8 sq. km of regional sampling at 300 m x 300 m spacing. Further definition of the tungsten zone was established by the above sampling, and a .19 sq. km grid of 10 m x 25 m spacing was used for more detailed sampling. Following these surveys, a bulldozer trenching program was carried out on the tungsten skarn zone and also on a reported silver-lead showing on the north portion of the detailed grid.

The JCS claims were subsequently allowed to lapse.

In January of 1983, Mr. T. Cameron Scott recorded the staking of the Sue 1 and Sue 2 mineral claims. Ownership of the claims was transferred to REG Resources Corp. on February 14, 1983 and to Turner Energy and Resources Ltd. on March 29, 1983. During the summer of 1983, the property was visited by Mr. Peter Christopher of Peter Christopher and Associates Inc. and a structural-geological study was carried out by Pegasus Earth Sensing Corporation.

In 1984 Pamicon Developments Ltd. was retained to investigate and sample a silver-lead occurrence previously named the Gunnar Berg showing. Encouraging silver values led to a vector pulse electromagnetic survey and geochemical soil sampling survey by Glen E. White Geophysical Consulting and Services Ltd.

In early October 1984,a claims boundary survey was undertaken by Robert Allen and Company, Professional Land Surveyors.

A bulldozer trenching and 2,000 foot diamond drilling program was completed in November 1984.

5.0 GEOLOGY

5.1 Regional Geology

The area has been regionally mapped by the Geological Survey of Canada on a scale of 1:250,000 and the geology presented on GSC map 18-1968 by Gabrielse.

The regional setting is dominated by the large northerly trending Cretaceous Cassiar Batholith with adjacent sediments and metasediments ranging from Lower Cambrian to Devonian in age.

The Sue claims lie along the northeasterly trending contact of the batholith in contact with a succession of black argillites, quartzites, interbedded limestones and phyllites of the Cambrian to Ordovician Atan-Good Hope and Kechika groups. Overlying these units is a series of calcareous quartzites and dolomites belonging to the Sandpile Group. Further to the east are resistant weathering ridges and cliffs of the Devonian McDame Group limestones.

5.2 Local Geology

During this year's program, geological mapping was carried out across the property at a scale of 1:5000. The majority of the outcrop is restricted to areas

above the 1500 m ASL elevation; however, scattered outcrops do occur below this elevation particularly along the creek bottoms and in road cuts. The least amount of outcrop would be found on the eastern side of the block where heavy timber growth and glacial overburden prevails.

Locally, the geology underlying the claim block is represented by a succession of Cambrian to Devonian sediments striking northeasterly and dipping southeasterly in contact with the Cassiar Batholith located in the northwest corner of the claims (Figure 3). A description of the lithologies listed from the oldest through to the youngest is as follows:

1. ATAN GROUP (Unit 1 - Cambrian and Hadrynian). Rocks of this group represent the oldest exposed on the property. The most prominent member of the group is a massive white quartzite unit that forms the talus slope and resistant white bluffs to the west of the cat trail joining the centre road to the North Grid area. The quartzite is in part brecciated (Unit Ibr) and can be traced from the main trench area to grid station 9+00 N,2+00E along north-northeasterly trend.

   Underlying the quartzite unit is a finely laminated medium-grey to black shale/argillite (Unit Ia). This unit weathers medium-grey with minor limonite staining. It is felt that the surface exposures (1+00N, 1+50W; 7+00N, B.L.) correlate to the dark grey pelitic siltstone (Medford, 1984) intersected near the bottom of holes DDH84 - 3,4,5,6,7. In contact with the

Cassiar batholith,the clastic unit is hornfelsed, destroying all primary sedimentary textures.

Two other members of the group were discovered during the 1984 drilling program and these include a green to grey sericite schist and a limestone bed. Both are minor units and neither unit outcrops.

2. KECHIKA GROUP (Unit 2 - Cambrian, Ordovician and Silurian). Only limited surface exposures of this group exist on the claim group. Two outcrops of black graphitic shales occur along a stream course on the northwest corner of the Sue 1 claim. Further to the south, the same unit was uncovered in one of the breccia zone trenches (Figure 4).

The best section of the Kechika Group was intersected in DDH84-2. The section, from top to bottom, consists of: a black sooty graphitic limestone/shale, weakly calcareous dark grey pelitic siltstone, graphitic sediments and finally, green to grey, soft calcareous sediments.

3. SANDPILE GROUP (Unit 4 - Ordovician, Silurian and Devonian). The Sandpile Group is dominated by dolomitic sediments that tend to form the recessive saddles or more rounded, buff coloured ridges on the property. Laminated, well-bedded dolomite occurs uppermost in the section grading into sandy dolomite and dolomitic sandstones down section. A calcareous quartzite with carbonate interbeds is situated at the base of the Sandpile Group. This unit was intersected in the

top of DDH84-2 and outcrops just south of the North Grid.

4. McDAME GROUP (Unit 5 - Devonian). Outcrops of McDame Group form the highly resistant, grey coloured bluffs that underlie most of the eastern portion of the Sue claims. The group is comprised primarily of fossiliferous fetid limestone with minor dolomite interbeds and lenses of clastic sediments. Karst sinkhole and cave structures occur within the limestones. Many of the dissolution cavities have been replaced by coarse-bladed calcite, wollastonite and radiating crystals of banded aragonite.

5. SYLVESTER GROUP (Unit 6 - U. Devonian, L. Mississippian). The bulk of Sylvester rocks occur east and south of claim area. However, a wedge of slate or phyllitic siltstone traces across the southern boundary of the claim group and is thought to pinch out at 6+00N, 4+00E on the South Grid. Unfortunately, overburden covers geologic contacts north from the claim boundary.

6. CASSIAR BATHOLITH (Unit 23 - Jurassic,Cretaceous). The highest and most rugged peaks toward west side of the map area are those of the Cassiar batholith. The batholith primarily consists of a medium grain, homogeneous biotite quartz monzonite that weathers to a rusty brown colour. Biotite granite dykes occur within the metamorphic aureole of the batholith. Drill hole intercepts indicate the border phase of the intrusion is that of a leucocratic fine-grained aplite.

7. MAFIC DYKES (Unit 23a - age unknown). Several outcrops of a dark green, mineralized mafic dyke have been located. Blebs, disseminations and fracture fillings of pyrite and to a lesser extent, pyrrhotite are associated with the dykes. In addition, they are usually marked by intense shearing and fracturing; exposures crumble when hit with a rock hammer.

5.2.1 STRUCTURE

The Paleozoic sediments underlying the Sue 1 & 2 claims form the western limb of a broad synclinal structure that stretches well across the Tootsie River. Locally, the structure is complex; the emplacement of the Cassiar batholith has caused considerable faulting and further to the south, tight folding is evident. Generally, the bedding parallels the batholith along a north-northeasterly strike with moderate southeasterly dips; deviations from this trend are attributable to changes in the batholith's contact. Gentle open folding was observed in some of carbonate beds. Minor fold axis measurements show a shallow plunge in a northeasterly direction. However, the most important structures are faults.

The lack of outcrop in critical contact areas hinders an exact and complete understanding of the various faults and their relationships. Therefore, many of the faults illustrated in Figure 3 that have not been observed directly in the field, are based in some degree on the following criteria:

1. Linear elements as shown through photogeological interpretation.

2. The loss or repetition of geologic strata.

3. The presence of mafic dykes. Gabrielse (1968) noted that "Near-vertical northerly trending faults cutting Silurian and Devonian strata east of the upper reaches of Tootsie River are marked by topographic depressions and the presence of greenstone dykes." This may explain in part why exposures of the dykes are invariably sheared and well fractured.

At least three dominant fault directions exist in the map area:

1. NE-SW. Two major faults of this type cross the claim group. They may represent the limiting boundaries of a "belt paralleling the border of the Cassiar batholith" as identified by Reimchen and Bakker (1984) in their aerial photograph and Landsat satellite image evaluation. They termed this area of SW-NE trending linaments a a "fault belt." It is where the western most fault leaves the batholith contact and cuts across the Paleozoic sediments, that the quartzite breccia appears. The eastern fault appears as a strong air photo linament through the length of the property. The appearance of a wedge of younger Sylvester sediments in

contact with older McDame limestones may be the result of this proposed fault. Gabrielse (1968) had noticed that "The contact between the McDame and Sylvester Groups is almost invariably faulted."

2. NW-SE. Along this orientation, there would appear that two distinct directions of fault movement may be found. One, as shown by the Tootsie River fault, has strictly dip slip movement bringing McDame Group up in contact with the lower part of the Sylvester Group to the east. The second type has a dextral or right-lateral offset. Reimchen and Bakker (1984) recognized this fault style in a creek southwest of the Sue property. A fault tracing southeast from the breccia zone likely falls into this category. Rocks of Lower Sandpile Group have slid into contact with older Atan-Good Hope quartzite.

3. E-W. A fault typical of this type parallels the main creek passing through the centre of the claim group. Field evidence indicates an apparent right-lateral displacement. A similar fault may cross the northern flats ending in the vicinity of the breccia zone. The structure is clearly displayed as a strong air photo linament.

5.2.2 Mineralization

Five types of mineralization are found on the Sue property. Each type is spatially and probably

genetically related to the emplacement of Cassiar batholith. A description of each mineralized type is as follows:

1. SILVER-LEAD-ZINC BRECCIA. The breccia zone mineralization was extensively trenched and drilled in 1984. A summary report by Darney, Yorston and Ikona (1985), reviewed in detail the nature of the breccia mineralization. Their description is as follows:

   "The second type of mineralization occurs as a silver-lead-zinc bearing breccia zone near L800N - 1975W (G. White, 1984 grid). The main breccia zone is exposed on an easterly facing slope on the west side of a broad saddle in the west central portion of the claims area. The exposure is approximately 20 metres by 30 metres in size. The zone is very broken due to frost heave action and weathers to a dark grey or black colour with greenish-yellow staining on fresher fractures.

   In hand specimen, the rock may be described as a siliceous or quartzite breccia very often finely vuggy and porous giving it a strong vesicular texture. Angular clasts of white quartzite and dark grey siliceous argillite (pelitic siltstone - Medford, 1984) float in a medium to dark grey very silicious matrix. The clasts vary in size from about 3 cm to less than 1 cm with the most common size of about 1 cm.

Mineralization within the breccia is not readily apparent. Upon close examination, fine to medium sized grains of galena and/or sphalerite can be found disseminated locally within the breccia matrix. One float sample below the main outcrop showed more massive mineralization with up to 30% galena, sphalerite and lesser pyrite.

Following the drilling program, a petrographical study was completed by Gary A. Medford, Ph.D. (Appendix VII). Medford describes the breccia as follows:

"The breccia is a composite in which larger clasts and matrix are derived from the metasedimentary units" (those normally underlying the breccia zone and discussed earlier in Medford's report).

"The largest and most obvious clasts are composed of pure quartzite. The matrix is dark grey-black but may contain barely perceptible fragments of any of the units above. No igneous fragments were observed nor were any sedimentary units other than those discussed above."

"The matrix may be composed, in places, of only comminuted quartz which appears dark but dense and hard. In other cases, the matrix is spongy and may be composed of cataclasite with a provenance such as siltstone. In such cases, the matrix contains a liberal dusting of opaques."

"Late stage fracturing has resulted in considerable introduction of silica and carbonate. These fractures connect a large number of round or subround voids which commonly show quartz-crystal encrustations. The breccia prior to the sealing of the fractures system must have been exceedingly permeable."

"Mineralization identified in thin section include sphalerite, argentiferous galena and secondary lead-silver oxides. Fine crystals of galena were identified by x-ray in DDH-8 at 40 feet (418X) along with some graphite. These appear to be set in a late fracture (post/late brecciation) within the breccia. The other minerals were found only in the green and yellow-stained (but otherwise similar) breccia sampled in the trenches. The green and yellow stain as well as a white "punky" mineral lining or filling the voids appear to be secondary silver-lead minerals coating the breccia. Sphalerite crystals were observed in trains following micro-fractures. In one case, an almost euhedral crystal was observed growing within a void."

Outcrops of massive white to grey quartzite in the vicinity of the breccia zone are locally coarsely fractured and appear partly brecciated. Fracturing has given rise to the development of megaclasts which are locally surrounded and cemented by narrow bands of breccia material similar to the main breccia zone. "

Two new trenches were located at either end of the discovery trench area; however, neither uncovered mineralization similar to that of the showing. The northern trench, TR85-6, failed to penetrate the deep overburden cover; TR85-2 to the south contained sooty quartzite breccia rubble but chip samples from this material returned low assay values.

From line 5+00N through to line 9+00N, knobs of quartzite breccia are found. Although very similar in nature to the discovery showing, rock geochemical analyses revealed negligible silver and lead content. The breccia is extremely porous containing large void spaces between megaclasts of quartzite. However, the quartzite breccia at this location lacks both the critical galena - sphalerite mineralization and the greenish-yellow stain of an associated alteration product. TR85-6 was positioned (B.L., 2+75N) across the strike extension between the breccia outcrops further north and the main showing (Figure 3). Bedrock could not be reached due to permafrost in the overburden. A fairly high percentage of black shale, quartzite and quartzite breccia float were uncovered. It is felt that the trench was definitely in the area of quartzite breccia and bedrock may have soon been reached.

2. **MOLYBDENITE-QUARTZ VEINS.** Molybdenite occurs

in and is associated with quartz veins hosted in quartz monzonite. The veins are typically narrow, erratic, and local only to an area near the sediment - intrusive contact. The veins usually strike north-northeast parallel to the batholith contact. Little attention was focused on these occurrences in 1985. Float bearing molybdenite-quartz veining was found in the intrusive talus slopes near the breccia zone; however, no samples were submitted for analysis. A number of these occurrences have been discovered along the eastern contact of the Cassiar batholith. To date, no significant widths of an economic grade of molybdenite or the presence of encouraging quartz stockwork zones have been encountered.

3. TUNGSTEN SKARNS. Several skarn bands were located by Du Pont in 1979 by following up on anomalous reconnaissance silt sampling results obtained in 1976. The zones are hosted in marblized dolomite beds of the Lower Sandpile Group located to the south and east of the breccia zone (Figure 4). The skarnification is somewhat irregular following two prominent directions: 090°-100°/65°N-a jointing plane and 020°-050°/45-70°SE - along bedding. Ganque skarn minerals consist of quartz, chlorite, talc, wollastonite and possibly actinolite. Scheelite is the primary ore mineral with minor amounts of sphalerite, galena and molybdenite. The scheelite was noted to

occur as discrete grains throughout the skarn zone or in larger clusters within more coarse-grained skarn assemblages. It is difficult to discern true widths of the zones in the trenches due to poor exposure, orientation of the trenches, and expected erratic nature of the skarns. One new trench, TR85-7, was put in to better expose mineralization. Several chip samples were taken from the trenches as follows (Figure 4):

Sample	Type	Length (meters)	W03 (%)	
ND-5-59	chip	9.0	0.103	
ND-5-60	chip	9.0	0.136	
ND-5-61	chip	12.0	0.164	
ND-5-62	chip	7.0	0.135	
ND-5-63	chip	4.0	0.029	
ND-5-64	chip	3.5	0.227	
ND-5-65	chip	7.0	0.102	(Fig.3)
ND-5-66	chip	5.0	0.244	(Fig.3)

A narrow skarn zone was uncovered along the connector road winding south from the breccia zone. Results from a single grab sample returned low tungsten values (DAC-7 0.005% W03, Fig. 3).

4. PYRITIC ZONES. Two types of occurrences have been discovered in which concentrations of iron sulphide products are evidenced. The first is found where mafic dykes have intruded carbonate beds. Pyrite and to a

lesser extent, pyrrhotite occur along fractures, as disseminations, and blebs within the mafic unit. A 24.0 m trench, TR85-5, was pushed along the north side of a road cut switchback in order to give an entire cross-section through a mineralized dyke (Figure 3). Samples ND-5-49 through 54, a series of consecutive chip samples varying from 1.0 to 5.0 m across the zone, all returned negligible base metal and precious metal values (Appendix V). A grab sample (ND-S-41) taken from the same type of showing 200 meters west of the main fork on the central creek also indicated similarly poor metal content.

The semi-massive to massive pyrite zones hosted in the McDame limestones represent the second type of occurrence. The sulphides lenses have very irregular orientations and may follow both bedding and jointing planes in a single outcrop. Pyrite occurs within silicified carbonates as fine-grained disseminations, although larger cubic crystals were observed. Alignment of the pyritic grains imparts a platy texture to sections of the outcrop exposures. Bull white quartz veining weakly mineralized with coarse-grained pyrite commonly bounds the zone along both the hanging wall and footwall contacts. Widths of 1.0 - 11.0 meters were measured for the six occurrences prospected along the bottom of the main creek bisecting the property (Figure 3). Sampling of all

the zones failed to reveal any interesting metal values.

5. GOSSAN ZONES. The best example of this type of mineralization is the Berg showing located just off the south boundary of the Sue 2 claim. Lead, zinc, and silver mineralization is hosted in fine-grained clastic rocks of the Lower Sylvester Group in karst structures near the contact of the underlying Devonian McDame limestones. This geological setting is very similar to Regional Resources' Midway deposit to the southeast. The Amy-Flo deposit 3 km northwest of the north end of Tootsie Lake resembles the deposit type except for having an older, Cambrian age host rock. No primary sulphides are visible in the Berg trenches with all mineralization being secondary in nature. The protore is weathered and differentiated into black manganese-iron wad and carbonate products of zinc (smithsonite) and lead (anglesite?) composition. Leaching has been shown to extend to significant depths. A considerable depletion of silver values are expected in surface outcrops.

No outcrops of mineralization displaying characteristics exactly to that of the Berg have been discovered to date on the Sue claims. A wedge of the Sylvester rocks hosting the Berg showing do trace onto the Sue 2 claim. Strong lead, zinc and silver geochemical values in the soils are

coincident with the same unit (see Section 6.1) but prospecting of the area was ineffective due to heavy soil and vegetation cover.

Gossanous zones were found in other areas of the property. They are commonly related to karst structures and are almost exclusively hosted within the McDame limestones. The zones rarely outcrop due to their recessive weathering nature; purplish black nodules are found heaved in rusty soiled draws and saddles. They are quite limited in strike length, beginning and ending quite abruptly.

Trenching of sample location DAC-5 (6.2ppm Ag) proved futile due to ice problems. Soil and rock sampling of the trenches TR85-3 and 4 produced slightly lower results.

Visually, it is difficult to distinguish between the oxide material of the Berg showing and those sampled on the Sue Group. Aspects unique to the Berg type mineralization include:

1. Host rock - The slates of Sylvester Group provide the necessary structural trap for ore mineralization.

2. Geochemical composition - An examination of multi-element ICP analysis points to key compositional differences. The Berg ore type not only has higher Pb, Zn and

Ag values but has higher Ba*, Bi, Mn, Mo, Sb and W values (* barite identified in hand specimens). Two of the elements, Fe and Ga, were found in greater proportions in limestone hosted gossans.

Therefore, it would appear that the area underlain by Sylvester Group sediments presents the greatest promise for locating lead-zinc-silver mineralization.

6.0 GEOCHEMISTRY

Two localized grids were established on the Sue claims to allow fill in sampling of anomalous areas discovered in the 1984 program (Figure 3).

The first grid referred to as the "A" or South grid lies in the extreme southern portion of the Sue 2 claim. It was established to provide more detailed coverage of a strong Pb, Zn, Ag anomaly trending north from the old Berg showing which occurs at the immediate southern boundary of the Sue claims.

A 1200 m north-south baseline was cut and picketed at 50 m intervals. From the baseline, chain and compass crosslines were located at 100 m intervals from 1+00m north to 8+00 north. Lines 10+00 north and 12+00 N were 200 m apart. A total of 7200 meters of line were sampled at 50 m intervals for a total of 144 samples.

The "B" or North grid lies in the northern portion of the Sue 1 claim and was established in an attempt to provide information on a possible northern extension of the "Breccia" zone.

An 1100 m north-south baseline was cut and picketed at 50 m intervals. Chain and compass crosslines were run at 200 m intervals for 200 m west and 600 m east of the baseline. A total of 6200 m of lines were sampled at 50 m intervals for a total of 124 samples.

All soil samples were air dried in camp and then forwarded to Chemex Labs Ltd. of North Vancouver, B. C. for analysis.

At Chemex, the samples were further dried then seived to -80 mesh. The -80 mesh fraction was dissolved using a perchloric -nitric acid extraction and the levels of lead, zinc and silver were determined using standard atomic absorption techniques.

Both grids were plotted at a scale of 1:5000 and the geochemical results of the South grid and North grid are present on Figures 5 - 10.

6.1 Discussion of Results

Simple cummulative frequency statistics were applied to the values for the two grid areas and 65% and 90% cummulative frequency chosen as threshold and anomalous respectively. The approximate ppm values for Pb, Zn and Ag are shown below.

	South Grid (A)			North Grid (B)		
	Pb	Zn	Ag	Pb	Zn	Ag
Threshold	250	1500	.2	20	100	.2
Anomalous	500	2500	.7	35	150	.6

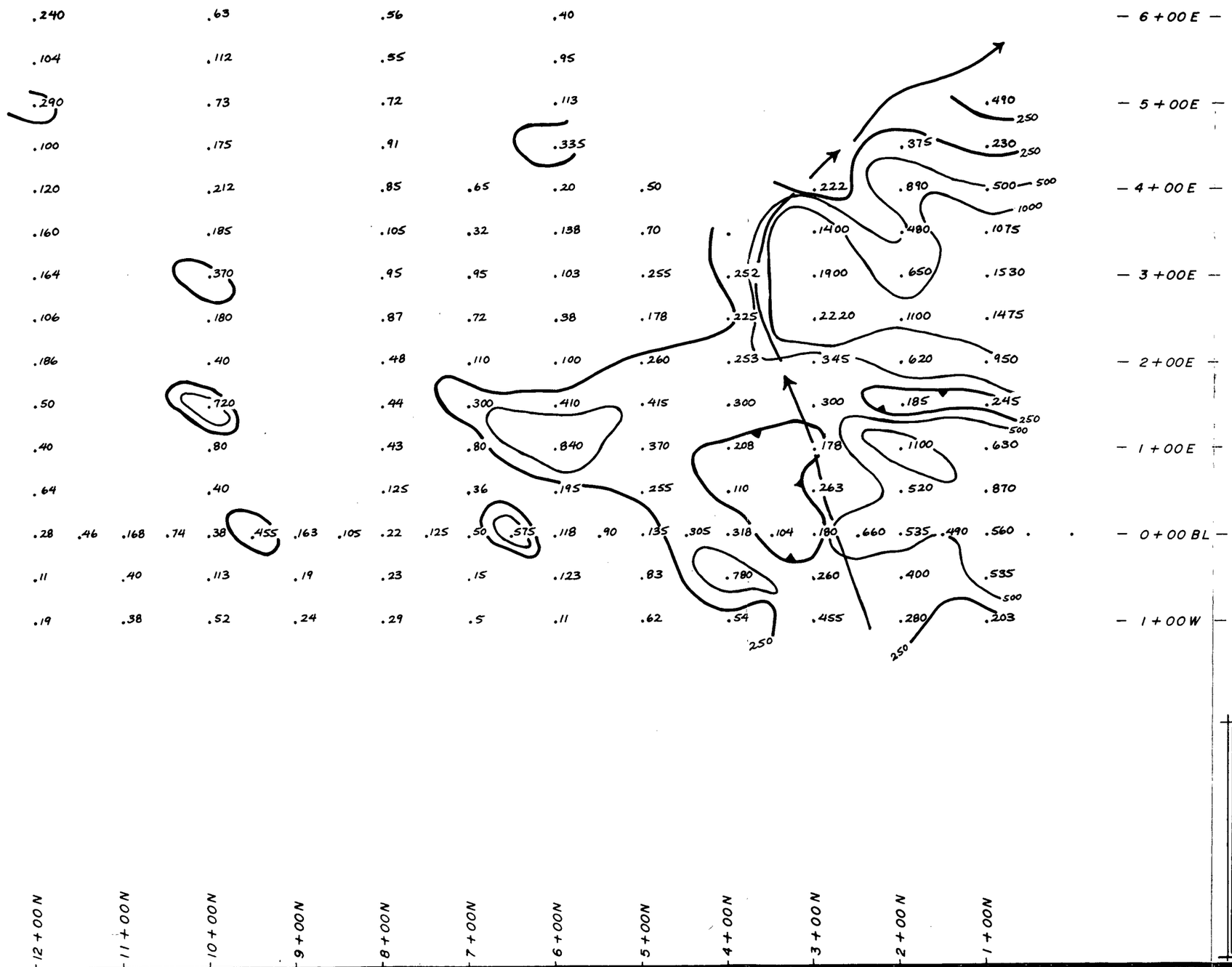
South Grid

Analysis of the samples from the South Grid show ranges of from 5 ppm - 2220 ppm Pb; 65 ppm - 1830 ppm Zn and .1 ppm - 2.1 ppm Ag. Contouring of the values (Figures 5, 6 & 7) shows a strong coincident Ag, Pb, Zn anomalous zone trending north from L1+00N downslope to the creek where it narrows and continues up the slope on the north side of the creek. It is felt that the high values on lines 1+00N - 3+00N are partially a result of downslope migration from the Berg showing. However, some attitudes in the showing area indicate a northerly trend, which suggests that the anomalous values may be a combination of downslope migration as well as a reflection of underlying geology.

The portion of the anomaly north of the creek is removed from any influence of migration from the Berg and is considered to be caused by underlying geology. Overburden in the vicinity of the anomaly between L3+00N and 6+00N, especially on the eastern lines, is extensive and no outcrop was seen. Two float samples of oxidized dolomitic material with manganese staining located in the vicinity of 6+00 to 7+00N near the baseline returned anomalous geochemical results. ND-S-5 returned values of 1.6 ppm Ag; 2632 ppm Pb and 5430 ppm Zn, while DAC-3 showed 3.3 ppm Ag.

North Grid

The geochemical results from sampling of the North Grid range from 2-750 ppm Pb, 29-450 ppm Zn and .1-3.2 ppm Ag. Contouring of the values (Figures 8, 9 & 10) shows a northerly trending zone of roughly coincident Pb, Zn and Ag anomalies.



Pb Contours

> 250 ppm
> 500 ppm
> 1000 ppm

560 — Pb (ppm)

50 0 50 100 150 200 250m

Scale 1:5000

Mikado Resources Ltd.

Geochemical Soil Sampling Survey

SOUTH GRID

Pb Values & Contours

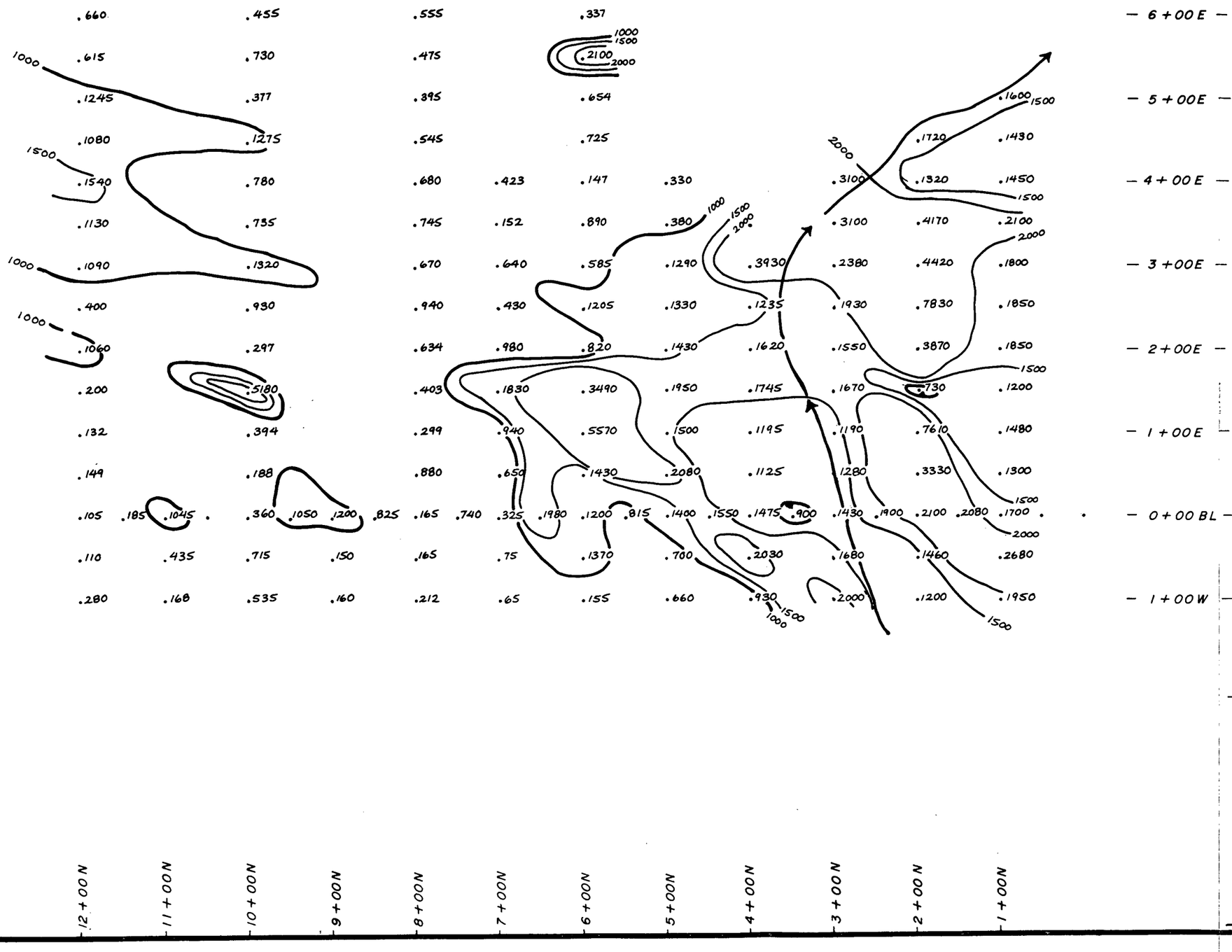
SUE CLAIMS

NTS 104-O/16W

Liard Mining Division

PAMICON DEVELOPMENTS LTD.

Drawn	Project	Date	Fig.
		Nov. 1985	5



Zn Contours

> 1000 ppm

> 1500 ppm

> 2000 ppm

1480 — Zn (ppm)

50 0 50 100 150 200 250m

Scale 1:5000

Mikado Resources Ltd.

Geochemical Soil Sampling Survey

SOUTH GRID

Zn Values & Contours

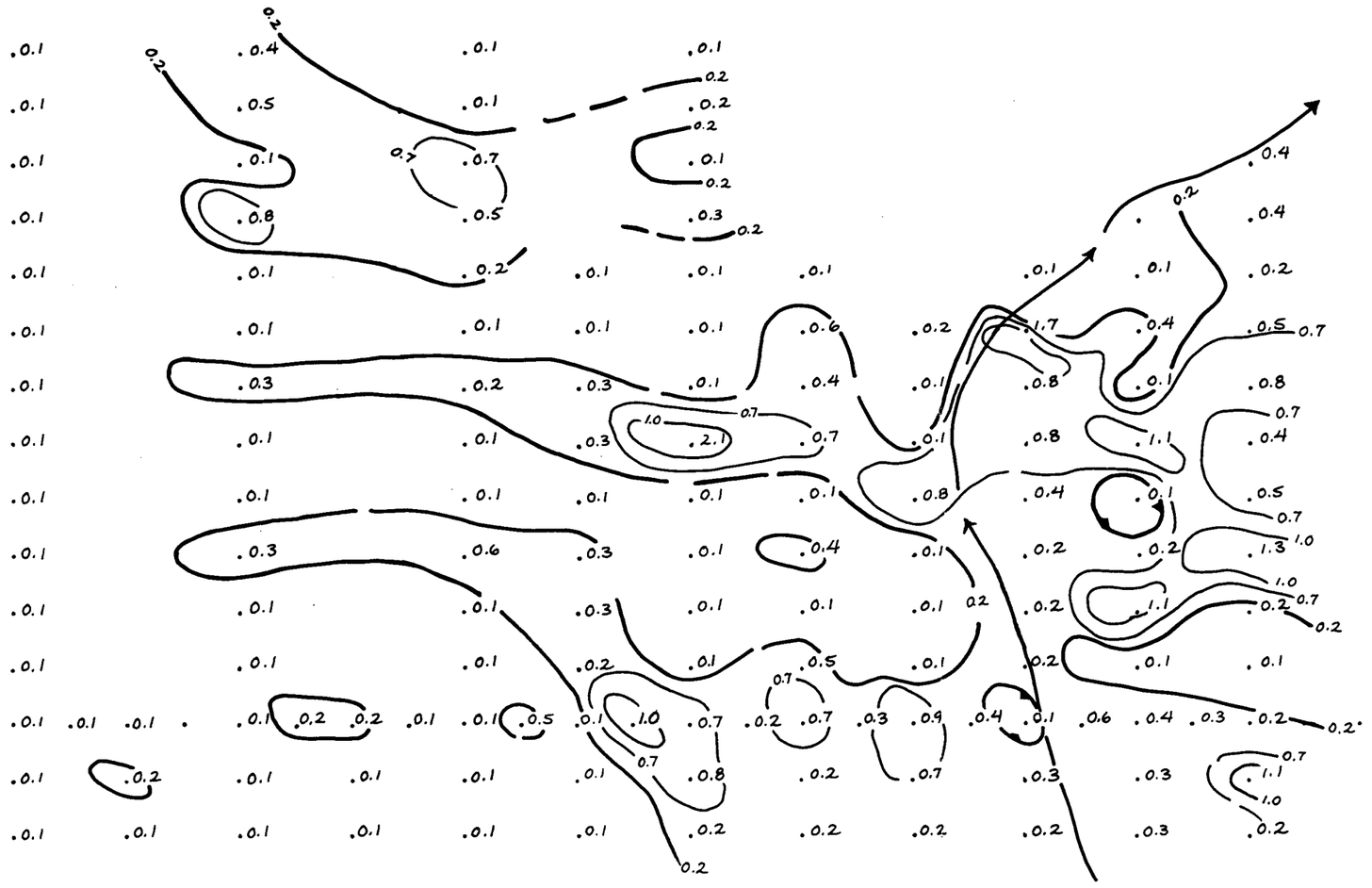
SUE CLAIMS

NTS 104-0/16W

Liard Mining Division

PAMICON DEVELOPMENTS LTD.

Drawn	Project	Date	Fig.
		Nov. 1985	6



Ag Contours

> 0.2 ppm
> 0.7 ppm
> 1.0 ppm

0.8 Ag (ppm)

50 0 50 100 150 200 250m

Scale 1:5000

Mikado Resources Ltd.

Geochemical Soil Sampling Survey

SOUTH GRID

Ag Values & Contours

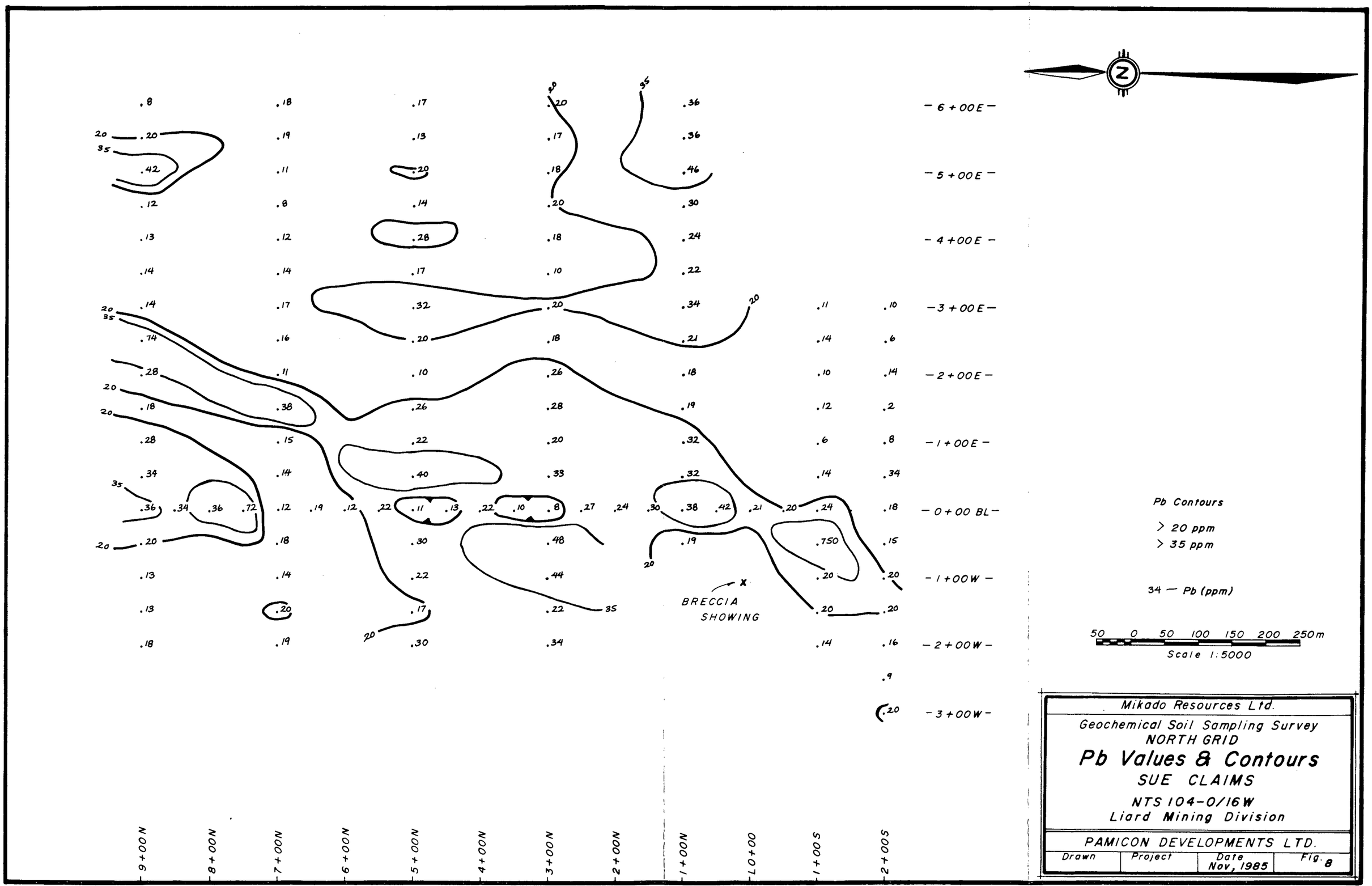
SUE CLAIMS

NTS 104-O/16W

Liard Mining Division

PAMICON DEVELOPMENTS LTD.

Drawn	Project	Date	Fig.
		Nov. 1985	7



Pb Contours

> 20 ppm

> 35 ppm

34 — Pb (ppm)

50 0 50 100 150 200 250m

Scale 1:5000

Mikado Resources Ltd.

Geochemical Soil Sampling Survey
NORTH GRID

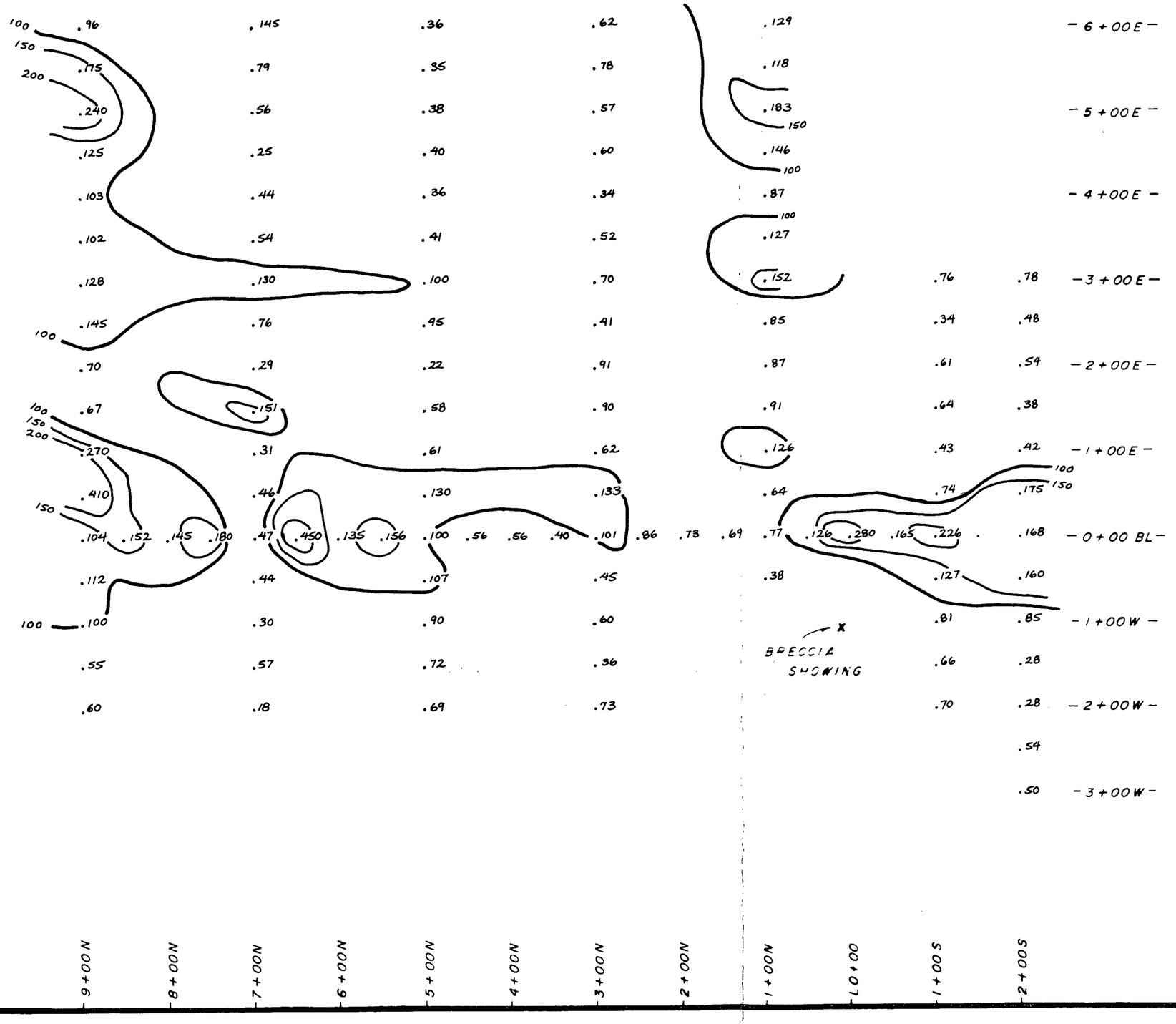
Pb Values & Contours

SUE CLAIMS

NTS 104-0/16W
Liard Mining Division

PAMICON DEVELOPMENTS LTD.

Drawn	Project	Date	Fig.
		Nov, 1985	8



Zn Contours

> 100 ppm
> 150 ppm
> 200 ppm

165 – Zn (ppm)

50 0 50 100 150 200 250m

Scale 1:5000

Mikado Resources Ltd.

Geochemical Soil Sampling Survey
NORTH GRID

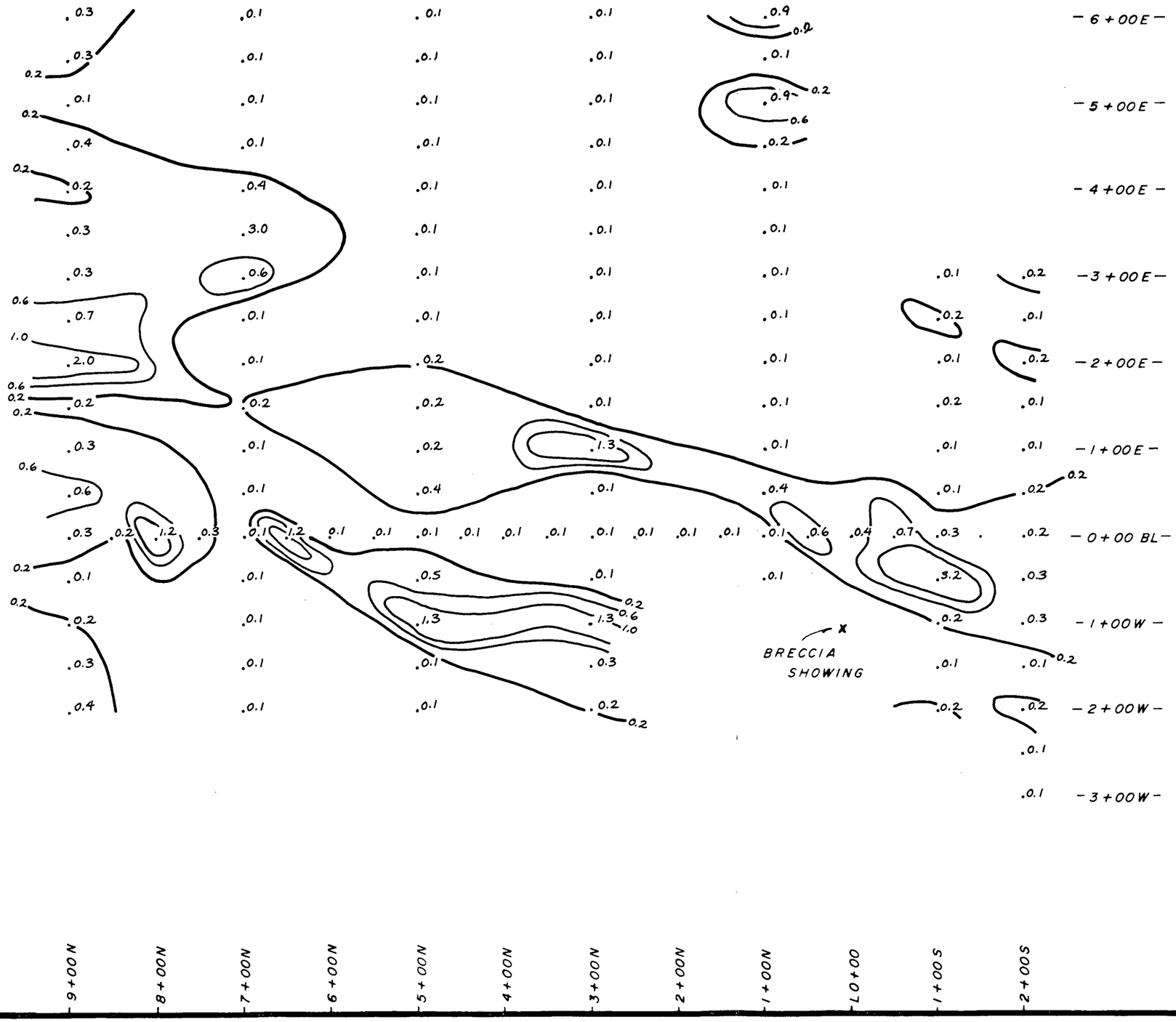
Zn Values & Contours

SUE CLAIMS

NTS 104-0/16W
Liard Mining Division

PAMICON DEVELOPMENTS LTD.

Drawn	Project	Date	Fig.
		Nov, 1985	9



Ag Contours

> 0.2 ppm
> 0.6 ppm
> 1.0 ppm

0.7 — Ag (ppm)

50 0 50 100 150 200 250m

Scale 1:5000

Mikado Resources Ltd.

Geochemical Soil Sampling Survey
NORTH GRID
Ag Values & Contours
SUE CLAIMS

NTS 104-0/16W
Liard Mining Division

PAMICON DEVELOPMENTS LTD.

Drawn	Project	Date	Fig.
		Nov, 1985	10

The main Breccia zone showing which lies at 0+90S - 1+10W is reflected by the coincident area of high values in the vicinity of 0+00 and trending south to approximately L2+00S - 1+00W on the edge of the survey area. This area lies just slightly east, downslope from the showing and covers a relatively flat or gently sloping area within a topographic saddle. Mineralized breccia float, likely derived from the main showing area is randomly scattered throughout the zone. During prospecting of the northern portion of the grid, quartzite breccia outcrops were located near 5+00N, 0+50E and L7+00N, 1+50E. The lead and silver contours best define the trace of the quartzite breccia by a series of spot highs within a belt of slightly higher than background values. The zinc values share a similar trend but are more widespread.

A broad area of above threshold zinc values and associated lead-silver highs on the eastern part of L9+00N is thought to be caused by a low swampy area in that region.

7.0 CONCLUSIONS

Geological mapping and prospecting of the Sue claims reveals five types of mineralization. Three of the types, the silver -lead-zinc breccia, gossan zones and tungsten skarns show some potential for economic mineralization.

On the North Grid, detailed geochemistry was successful in defining the surface trace of the quartzite breccia unit. Mapping has shown the host quartzite unit to be thick and continuous in a north-south direction across the Sue 1 claim and brecciation within the unit has been traced for some 900

metres north from the main showing area. Sampling of the breccia in the most northerly exposures returned only marginally anomalous geochemical responses. It is felt that the increased values in the main showing area are a result of the breccias close proximity to the intrusive contact as well as superimposed structural complexities. Similar silver-lead mineralization may exist within the breccia unit north of the main showing in areas of the above controlling features.

On the South Grid, detailed geochemistry has confirmed regional sampling and has outlined a broad zone of anomalous lead-zinc-silver values in the south portion of the Sue 2 claim. Although the anomalies are in part caused by the Berg mineralization, the size and configuration of the zones indicate a causative source within the Sue boundaries. Further exploration will be required to define the limits of the Sylvester Group and any associated mineralization in this area.

The widespread anomalous regional geochemical responses appear to be a result of high background levels within the McDame carbonate sequences as well as dispersion from numerous localized zones of iron-manganese oxidation. Although, these zones appear limited in extent and show only weakly anomalous rock geochemical results on surface, they are deeply weathered and warrant further investigation to obtain unoxidized samples.

Prospecting and trenching has uncovered scheelite mineralization distributed over an area some 250 metres by 75 metres. The erratic nature of the mineralization is a result of preferred skarnification of the carbonate units along jointing and bedding planes. The overall size of the zone indicates an economic importance and further work should be

done to fully assess the nature and grade of the mineralization.

8.0 RECOMMENDATIONS

Several targets exist on the Sue claims which are worthy of follow-up exploration. Each target should be explored separately either during the same program or in stages as budgetary limitations allow. Some advantage in mobilization and camp support costs may be achieved by combining the work.

The following program is recommended.

1. Improve access to south claims area by upgrading the present Berg showing road, a distance of approximately 7.5 Km.

   Conduct a bulldozer trenching and detailed geological mapping program on selected geochemical targets in the south grid area.

2. Conduct a preliminary Induced Polarization survey over the main Breccia showing and its possible northern extensions to determine the effectiveness of the geophysical method upon the disseminated type sulphide mineralization observed in the Breccia zone.

3. Initiate a limited diamond drilling program to recover unoxidized material from a geothite-manganese zone. One such easily accessible zone lies at the TR-85-3 site. Since the holes would be relatively short in carbonate lithologies, an easily mobilized light weight machine should be utilized.

4. Follow-up bulldozer trenching and detailed geological mapping of the tungsten mineralization to further outline the limits and values of the zone.

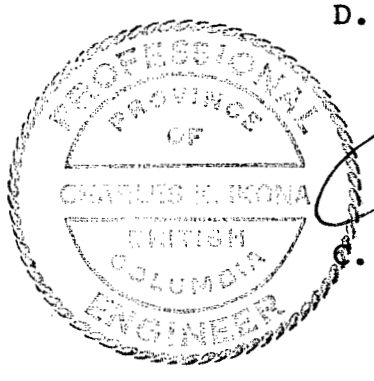
The estimated cost of the above recommendations is $104,400.00 and the prorated estimates for each recommendation is as follows: (Details of total budget Appendix II).

1.	$ 33,250.00
2.	11,000.00
3.	15,400.00
4.	44,750.00
	$ 104,400.00

Respectfully submitted,

R. Darney, Geologist

D. Caulfield, Geologist



C. K. Ikona, P. Eng.

BIBLIOGRAPHY

Eccles, L.K. Geological and Geochemical Report JCS 1 and 2 claims; Du Pont of Canada Exploration Limited, February 1980.

Gabrielse, H. Geological Survey of Canada Map 1110A McDame Geology 1:250,000.

Gabrielse, H. Geological Survey of Canada Paper 68-55, Map 18-1968 Jennings River 1:250,000.

Medford, G.A. Petrographic Report on the Sue Claims, December 1984.

Reimchen, T. and E. Bakker. Report on Geological Evaluation of Mineral Property at Tootsie Lake; Sue 1 and Sue 2 claims; Pegasus Earth Sensing Corporation, February 1984.

White, Glen E., P.Eng. Geochemical-Geophysical Report, Sue 1 and 2 Mineral Claims, October 1984.

Darney, R.J.; Yorston, R.; Ikona, C.K. P.Eng. Geological Report on the Sue 1 and Sue 2 Mineral Claims, January 1985.

APPENDIX II

ESTIMATED EXPENSES

Salaries and Burden	$ 12,450.00
Communications and Telephone	300.00
Accounting	300.00
Insurance	200.00
Professional Fees and Contract	11,200.00
Travel, Accommodation, Meals	4,200.00
Automotive Expense (Rentals, Fuel, Repairs)	3,450.00
Miscellaneous Expense	500.00
Outside Reproduction	1,300.00
Commercial Freight	700.00
Camp (Materials and Supplies)	400.00
Camp (Food)	1,600.00
Camp (Fuel)	200.00
Materials and Supplies Expended	550.00
Equipment Expense and Rentals	600.00
Assay and Geochem	5,050.00
Drilling (Mud, Boxes, Miscellaneous)	500.00
Sub-Contracts	
Equipment (Roads, Sites/Trenching)	18,900.00
Drill Contract	25,000.00
Other	
Report Preparation	3,500.00
Supervision and Management	13,500.00
Total Estimated Budget:	$ 104,400.00

APPENDIX IIB

COST STATEMENT
SUE 1 & 2 CLAIMS
SEPT. 1/85 - OCT. 31/85

R. DARNEY (Geologist) 215-543 Granville St., Vancouver, B.C. V6C 1X8 30 Days @ $275.00	8,250.00	
D. CAULFIELD (Geologist) 215-543 Granville St., Vancouver, B.C. V6C 1X8 26 Days @ $250.00	6,500.00	
L. BALDWIN (Labourer) 215-543 Granville St., Vancouver, B.C. V6C 1X8 26 Days @ $150.00	3,900.00	
O. YEAGER (Prospector/Labourer) 215-543 Granville St., Vancouver, B.C. V6C 1X8 22 Days @ $150.00	3,300.00	
N. DEBOCK (Prospector) 215-543 Granville St., Vancouver, B.C. V6C 1X8 22 Days @ $175.00	3,850.00	
		25,800.00
AIRFARE Vancouver-Watson Lake-Return (3 Men)		1,775.85
ACCOMMODATION Watson Lake Hotel		1,772.70
FOOD Camp Ground Services		1,552.00
TELEPHONE & COMMUNICATIONS		158.55
RENTALS Camp - 21 days @ $100.00 Trucks - 2 trucks Radio, Saws, etc.	2,100.00 2,995.53 255.00	
		5,350.53

EXPENSES		
Meals, Gas, Travel		3,493.66
EXPENDIBLE SUPPLIES		
Deakin Equipment, Northern Metallic		750.32
ASSAYS		
Chemex Labs		1,898.55
CAT CHARGES		
TD 25 - 42 hrs. @ $140.00	5,880.00	
Trucking	1,400.00	
		7,280.00
REPORT		3,500.00
ADMINISTRATION & SUPERVISION		7,999.82
		$ 61,331.98

APPENDIX III

ENGINEER'S CERTIFICATE

I, CHARLES K. IKONA, of 5 Cowley Court, Port Moody, in the Province of British Columbia, DO HEREBY CERTIFY THAT:

1. I am a Consulting Mining Engineer with offices at 215, 543 Granville Street, Vancouver, British Columbia.

2. I am a graduate of the University of British Columbia with a degree in Mining Engineering.

3. I am a member in good standing of the Association of Professional Engineers of the Province of British Columbia.

4. This report is based on work conducted by Robert Darney and David Caulfield, Geologists, of our office, with whom I have worked for a number of years, on my examination of the property on October 20 and 21, 1984 and on all available information on the property.

5. I have no interest in the property described herein nor do I expect to acquire any such interest.

6. I consent to the use by Mikado Resources Ltd. of this report in a Prospectus or Statement of Material Facts or any other such document as may be required by the Vancouver Stock Exchange or the office of the Superintendent of Brokers, and hereby give Mikado Resources Ltd. permission to reproduce this report.

DATED at Vancouver, British Columbia, this 20th day of MARCH, 1986.

Charles K. Ikona, P. Eng.

PROFESSIONAL ENGINEER
PROVINCE OF
CHARLES K. IKONA
BRITISH
COLUMBIA

APPENDIX III

STATEMENT OF QUALIFICATIONS

I, ROBERT J. DARNEY, of R.R. #1, Sechelt, in the Province of British Columbia, DO HEREBY CERTIFY THAT:

1. I am a Geologist in the employment of Pamicon Developments Ltd. with offices at 215, 543 Granville Street, Vancouver, British Columbia.

2. I am a graduate of the University of British Columbia with a Bachelor of Science Degree in Geology.

3. My primary employment since 1966 has been in the field of mineral exploration.

4. My experience has encompassed a wide range of geological environments and has allowed considerable familiarization of exploration techniques for both lode and placer deposits.

5. This report is based on field data generated during a 1985 Geochemical, Geological and Bulldozer Trenching program supervised by myself under the direction of C.K. Ikona, on the Sue 1 and Sue 2 Mineral claims.

6. I have no interest in the property described herein.

DATED at Vancouver, British Columbia, this 20 day of March, 1986.

R. Darney

R. J. Darney, Geologist

APPENDIX III

STATEMENT OF QUALIFICATIONS

I, DAVID A. CAULFIELD, of 3142 Gambier Avenue, Coquitlam, in the Province of British Columbia, DO HEREBY CERTIFY:

1. That I am a Geologist in the employment of Pamicon Development Ltd., with offices at 215, 543 Granville Street, Vancouver, British Columbia.

2. That I am a graduate of the University of British Columbia with a Bachelor of Science Degree in Geology.

3. That my primary employment since 1978 has been in the field of mineral exploration.

4. That my experience has encompassed a wide range of geological environments and has allowed considerable familiarization with geophysical, geochemical, and diamond drilling techniques.

5. This report is based on field data generated during a 1985 Geochemical, Geological and Bulldozer Trenching program under the direction of C. K. Ikona, on the Sue 1 and Sue 2 mineral claims.

6. That I have no interest in the property described herein, nor in securities of any company associated with the property; nor do I expect to acquire any such interest.

DATED at Vancouver, British Columbia, this 19 day of MARCH, 1986.

David A. Caulfield, Geologist.

APPENDIX IV

CHEMEX LABS LTD. - ASSAY REPORTS

Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1

Telephone:(604) 984-0221
Telex: 043-52597

CERTIFICATE OF ANALYSIS

TO : PAMICON DEVELOPMENTS LIMITED

215 - 543 GRANVILLE ST.,
VANCOUVER, B.C.
V6C 1X8

ATTN: R. DARNEY

** CERT. # : A8516570-001-A
INVOICE # : I8516570
DATE : 25-SEP-85
P.O. # : NONE
SUE CLAIMS

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
1N 0+00E	201	560	1700	0.2	--	--	--
1N 0+50E	201	870	1300	0.1	--	--	--
1N 1+00E	201	630	1480	0.2	--	--	--
1N 1+50E	201	245	1200	1.3	--	--	--
1N 2+00E	201	950	1850	0.5	--	--	--
1N 2+50E	201	1475	1320	0.4	--	--	--
1N 3+00E	201	1530	1800	0.8	--	--	--
1N 3+50E	201	1075	2100	0.5	--	--	--
1N 4+00E	201	500	1450	0.2	--	--	--
1N 4+50E	201	230	1430	0.4	--	--	--
1N 5+00E	201	490	1600	0.4	--	--	--
3+00N 0+50E	201	263	1280	0.2	--	--	--
3+00N 1+00E	201	178	1190	0.2	--	--	--
3+00N 1+50E	201	300	1670	0.2	--	--	--
3+00N 2+00E	201	345	1550	0.4	--	--	--
3+00N 2+50E	201	2220	1930	0.8	--	--	--
3+00N 3+00E	201	1900	2380	0.8	--	--	--
3+00N 3+50E	201	1400	3100	1.7	--	--	--
3+00N 3+69E	201	222	1080	0.1	--	--	--
3+00N 4+00E	201	25	3100	0.1	--	--	--
5+00N 0+50E	201	255	2080	0.5	--	--	--
5+00N 1+00E	201	370	1500	0.1	--	--	--
5+00N 1+50E	201	415	1950	0.4	--	--	--
5+00N 2+00E	201	260	1430	0.1	--	--	--
5+00N 2+50E	201	178	1330	0.7	--	--	--
5+00N 3+00E	201	255	1290	0.4	--	--	--
5+00N 3+50E	201	70	380	0.6	--	--	--
5+00N 4+00E	201	50	330	0.1	--	--	--
6+00N 0+00E	201	118	1200	0.7	--	--	--
6+50N 0+00E	201	575	1980	1.0	--	--	--
7+00N 0+00E	201	50	325	0.1	--	--	--
7+00N 0+50E	201	36	650	0.2	--	--	--
7+00N 1+00E	201	80	940	0.3	--	--	--
7+00N 1+50E	201	300	1830	0.3	--	--	--
7+00N 2+00E	201	110	980	0.1	--	--	--
7+00N 2+50E	201	72	430	0.3	--	--	--
7+00N 3+00E	201	95	640	0.3	--	--	--
7+00N 3+50E	201	32	152	0.1	--	--	--
7+00N 4+00E	201	65	423	0.1	--	--	--
7+50N 0+00E	201	125	740	0.5	--	--	--

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CERTIFICATE OF ANALYSIS

TO : PAMICON DEVELOPMENTS LIMITED

215 - 543 GRANVILLE ST.,
VANCOUVER, B.C.
V6C 1X8

ATTN: R. DARNEY

** CERT. # : A8516570-002-A
INVOICE # : I8516570
DATE : 25-SEP-85
P.O. # : NONE
SUE CLAIMS

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
1+00N 0+50W	201	535	2680	1.1	--	--	--
1+00N 1+00W	201	203	1950	0.2	--	--	--
2+00N 0+50W	201	400	1460	0.3	--	--	--
2+00N 1+00W	201	280	1200	0.3	--	--	--
3+00N 0+50W	201	260	1680	0.3	--	--	--
3+00N 1+00W	201	455	2000	0.2	--	--	--
4+00N 0+50W	201	780	2030	0.7	--	--	--
4+00N 1+00W	201	54	930	0.2	--	--	--
5+00N 0+50W	201	83	700	0.2	--	--	--
5+00N 1+00W	201	62	660	0.2	--	--	--
6+00N 0+50W	201	123	1370	0.8	--	--	--
6+00N 1+00W	201	11	155	0.2	--	--	--
7+00N 0+50W	201	15	75	0.1	--	--	--
7+00N 1+00W	201	5	65	0.1	--	--	--
8+00N 0+50W	201	23	165	0.1	--	--	--
8+00N 1+00W	201	29	212	0.1	--	--	--
9+00N 0+50W	201	19	150	0.1	--	--	--
9+00N 1+00W	201	24	160	0.1	--	--	--
L16 16+00W	201	1200	2500	0.6	--	--	--
BL 1+50N	201	490	2080	0.3	--	--	--
BL 2+00N	201	535	2100	0.4	--	--	--
BL 2+50N	201	660	1900	0.6	--	--	--
BL 3+00N	201	180	1430	0.1	--	--	--
BL 3+50N	201	104	900	0.4	--	--	--
BL 4+00N	201	318	1475	0.9	--	--	--
BL 4+50N	201	305	1550	0.3	--	--	--
BL 5+00N	201	135	1400	0.7	--	--	--
BL 5+50N	201	90	815	0.2	--	--	--
BL 8+00N	201	22	165	0.1	--	--	--
BL 8+50N	201	105	825	0.1	--	--	--
BL 9+00N	201	163	1200	0.2	--	--	--
BL 9+50N	201	455	1050	0.2	--	--	--
BL 10+00N	201	38	360	0.1	--	--	--
SS-S-04	201	225	860	0.1	--	--	--

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CERTIFICATE OF ANALYSIS

TO : PAMICON DEVELOPMENTS LIMITED

215 - 543 GRANVILLE ST.,
VANCOUVER, B.C.
V6C 1X8

** CERT. # : A8516668-001-A
INVOICE # : I8516668
DATE : 27-SEP-85
P.O. # : NONE
SUE CLAIMS

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
2+00N 0+50E	201	520	3330	0.1	--	--	--
2+00N 1+00E	201	1100	7610	1.1	--	--	--
2+00N 1+50E	201	185	730	0.2	--	--	--
2+00N 2+00E	201	620	3870	0.1	--	--	--
2+00N 2+50E	201	1100	7830	1.1	--	--	--
2+00N 3+00E	201	650	4420	0.1	--	--	--
2+00N 3+50E	201	480	4170	0.4	--	--	--
2+00N 4+00E	201	890	1320	0.1	--	--	--
2+00N 4+50E	201	375	1720	0.1	--	--	--
4+00N 0+50E	201	110	1125	0.1	--	--	--
4+00N 1+00E	201	208	1195	0.1	--	--	--
4+00N 1+50E	201	300	1745	0.8	--	--	--
4+00N 2+00E	201	253	1620	0.1	--	--	--
4+00N 2+50E	201	225	1235	0.1	--	--	--
4+00N 3+00E	201	252	3930	0.2	--	--	--
6+00N 0+50E	201	195	1430	0.1	--	--	--
6+00N 1+00E	201	840	5570	0.1	--	--	--
6+00N 1+50E	201	410	3490	0.1	--	--	--
6+00N 2+00E	201	100	820	0.1	--	--	--
6+00N 2+50E	201	38	1205	2.1	--	--	--
6+00N 3+00E	201	103	585	0.1	--	--	--
6+00N 3+50E	201	138	890	0.1	--	--	--
6+00N 4+00E	201	20	147	0.1	--	--	--
6+00N 4+50E	201	335	725	0.3	--	--	--
6+00N 5+00E	201	113	654	0.1	--	--	--
6+00N 5+50E	201	95	2100	0.2	--	--	--
6+00N 6+00E	201	40	337	0.1	--	--	--
8+00N 0+50E	201	125	880	0.1	--	--	--
8+00N 1+00E	201	43	299	0.1	--	--	--
8+00N 1+50E	201	44	403	0.6	--	--	--
8+00N 2+00E	201	48	634	0.1	--	--	--
8+00N 2+50E	201	87	940	0.1	--	--	--
8+00N 3+00E	201	95	670	0.2	--	--	--
8+00N 3+50E	201	105	745	0.1	--	--	--
8+00N 4+00E	201	85	680	0.2	--	--	--
8+00N 4+50E	201	91	545	0.5	--	--	--
8+00N 5+00E	201	72	395	0.7	--	--	--
8+00N 5+50E	201	55	475	0.1	--	--	--
8+00N 6+00E	201	56	555	0.1	--	--	--
10+00N 0+50E	201	40	188	0.1	--	--	--

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V6C 1X8

** CERT. # : A8516668-002-A
INVOICE # : I8516668
DATE : 27-SEP-85
P.O. # : NONE
SUE CLAIMS

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
10+00N 1+00E	201	80	394	0.1	--	--	--
10+00N 1+50E	201	720	5180	0.3	--	--	--
10+00N 2+00E	201	40	297	0.1	--	--	--
10+00N 2+50E	201	180	930	0.1	--	--	--
10+00N 3+00E	201	370	1320	0.3	--	--	--
10+00N 3+50E	201	185	735	0.1	--	--	--
10+00N 4+00E	201	212	780	0.1	--	--	--
10+00N 4+50E	201	175	1275	0.8	--	--	--
10+00N 5+00E	201	73	377	0.1	--	--	--
10+00N 5+50E	201	112	730	0.5	--	--	--
10+00N 6+00E	201	62	455	0.4	--	--	--
10+00N 0+50W	201	113	715	0.1	--	--	--
10+00N 1+00W	201	52	535	0.1	--	--	--
BL 10+00N	201	74	485	0.1	--	--	--
BL 11+00N	201	168	1045	0.1	--	--	--
11+00N 0+50W	201	90	435	0.2	--	--	--
11+00N 1+00W	201	38	168	0.1	--	--	--
BL 11+50N	201	46	183	0.1	--	--	--
BL 12+00N 0+00E	201	28	105	0.1	--	--	--
BL 12+00N 0+50E	201	64	149	0.1	--	--	--
BL 12+00N 1+00E	201	40	132	0.1	--	--	--
BL 12+00N 1+50E	201	50	200	0.1	--	--	--
BL 12+00N 2+00E	201	186	1060	0.1	--	--	--
BL 12+00N 2+50E	201	106	400	0.1	--	--	--
BL 12+00N 3+00E	201	164	1090	0.1	--	--	--
BL 12+00N 3+50E	201	160	1130	0.1	--	--	--
BL 12+00N 4+00E	201	120	1540	0.1	--	--	--
BL 12+00N 4+50E	201	100	1080	0.1	--	--	--
BL 12+00N 5+00E	201	290	1245	0.1	--	--	--
BL 12+00N 5+50E	201	104	615	0.1	--	--	--
BL 12+00N 6+00E	201	240	660	0.1	--	--	--
BL 12+00N 0+50W	201	11	110	0.1	--	--	--
BL 12+00N 1+00W	201	19	280	0.1	--	--	--
1+00N 0+50E B	201	32	64	0.4	--	--	--
1+00N 1+00E B	201	32	126	0.1	--	--	--
1+00N 1+50E B	201	19	91	0.1	--	--	--
1+00N 2+00E B	201	18	87	0.1	--	--	--
1+00N 2+50E B	201	21	85	0.1	--	--	--
1+00N 3+00E B	201	34	152	0.1	--	--	--
1+00N 3+50E B	201	22	127	0.1	--	--	--

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CERTIFICATE OF ANALYSIS

TO : PAMICON DEVELOPMENTS LIMITED

215 - 543 GRANVILLE ST.,
VANCOUVER, B.C.
V6C 1X8

** CERT. # : A8516668-003-A
INVOICE # : I8516668
DATE : 27-SEP-85
P.O. # : NONE
SUE CLAIMS

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
1+00N 4+00E B	201	24	87	0.1	--	--	--
1+00N 4+50E B	201	30	146	0.2	--	--	--
1+00N 5+00E B	201	46	183	0.9	--	--	--
1+00N 5+50E B	201	36	118	0.1	--	--	--
1+00N 6+00E B	201	36	129	0.9	--	--	--
1+00N 0+50W B	201	19	38	0.1	--	--	--
3+00N 0+50E B	201	33	133	0.1	--	--	--
3+00N 1+00E B	201	20	62	1.3	--	--	--
3+00N 1+50E B	201	28	90	0.1	--	--	--
3+00N 2+00E B	201	26	91	0.1	--	--	--
3+00N 2+50E B	201	18	41	0.1	--	--	--
3+00N 3+00E B	201	20	70	0.1	--	--	--
3+00N 3+50E B	201	10	52	0.1	--	--	--
3+00N 4+00E B	201	18	34	0.1	--	--	--
3+00N 4+50E B	201	20	60	0.1	--	--	--
3+00N 5+00E B	201	18	57	0.1	--	--	--
3+00N 5+50E B	201	17	78	0.1	--	--	--
3+00N 6+00E B	201	20	62	0.1	--	--	--
3+00N 0+50W B	201	48	45	0.1	--	--	--
3+00N 1+00W B	201	44	60	1.3	--	--	--
3+00N 1+50W B	201	22	36	0.3	--	--	--
3+00N 2+00W B	201	34	73	0.2	--	--	--
5+00N 0+50E B	201	40	130	0.4	--	--	--
5+00N 1+00E B	201	22	61	0.2	--	--	--
5+00N 1+50E B	201	26	58	0.2	--	--	--
5+00N 2+00E B	201	10	22	0.2	--	--	--
5+00N 2+50E B	201	20	95	0.1	--	--	--
5+00N 3+00E B	201	32	100	0.1	--	--	--
5+00N 3+50E B	201	17	41	0.1	--	--	--
5+00N 4+00E B	201	28	36	0.1	--	--	--
5+00N 4+50E B	201	14	40	0.1	--	--	--
5+00N 5+00E B	201	20	38	0.1	--	--	--
5+00N 5+50E B	201	13	35	0.1	--	--	--
5+00N 6+00E B	201	17	36	0.1	--	--	--
5+00N 0+50W B	201	30	107	0.5	--	--	--
5+00N 1+00W B	201	22	90	1.3	--	--	--
5+00N 1+50W B	201	17	72	0.1	--	--	--
5+00N 2+00W B	201	30	69	0.1	--	--	--
7+00N 0+50E B	201	14	46	0.1	--	--	--
7+00N 1+00E B	201	15	31	0.1	--	--	--

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CERTIFICATE OF ANALYSIS

TO : PAMICON DEVELOPMENTS LIMITED

215 - 543 GRANVILLE ST.,
VANCOUVER, B.C.
V6C 1X8

**

CERT. # : A8516668-004-A
INVOICE # : I8516668
DATE : 27-SEP-85
P.O. # : NONE
SUE CLAIMS

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
7+00N 1+50E B	201	38	151	0.2	--	--	--
7+00N 2+00E B	201	11	29	0.1	--	--	--
7+00N 2+50E B	201	16	76	0.1	--	--	--
7+00N 3+00E B	201	17	130	0.6	--	--	--
7+00N 3+50E B	201	14	54	3.0	--	--	--
7+00N 4+00E B	201	12	44	0.4	--	--	--
7+00N 4+50E B	201	8	25	0.1	--	--	--
7+00N 5+00E B	201	11	56	0.1	--	--	--
7+00N 5+50E B	201	19	79	0.1	--	--	--
7+00N 6+00E B	201	18	145	0.1	--	--	--
7+00N 0+50W B	201	18	44	0.1	--	--	--
7+00N 1+00W B	201	14	30	0.1	--	--	--
7+00N 1+50W B	201	20	57	0.1	--	--	--
7+00N 2+00W B	201	19	18	0.1	--	--	--
BL 0+00N B	201	21	280	0.4	--	--	--
BL 0+50N B	201	42	126	0.6	--	--	--
BL 1+00N B	201	38	77	0.1	--	--	--
BL 1+50N B	201	30	69	0.1	--	--	--
BL 2+00N B	201	24	73	0.1	--	--	--
BL 2+50N B	201	27	86	0.1	--	--	--
BL 3+00N B	201	8	101	0.1	--	--	--
BL 3+50N B	201	10	40	0.1	--	--	--
BL 4+00N B	201	22	56	0.1	--	--	--
BL 4+50N B	201	13	55	0.1	--	--	--
BL 5+00N B	201	11	100	0.1	--	--	--
BL 5+50N B	201	22	156	0.1	--	--	--
BL 6+00N B	201	12	135	0.1	--	--	--
BL 6+50N B	201	19	450	1.2	--	--	--
BL 7+00N B	201	12	47	0.1	--	--	--
SS-S-14	201	250	130	0.1	--	--	--
SS-S-16	201	350	825	0.2	--	--	--

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CERTIFICATE OF ANALYSIS

TO : PAMICON DEVELOPMENTS LIMITED

215 - 543 GRANVILLE ST.,
VANCOUVER, B.C.
V6C 1X8

** CERT. # : A8517127-001-A
INVOICE # : I8517127
DATE : 14-OCT-85
P.O. # : NONE
SUE CLAIMS

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
OG-2+00N 15+50W	201	54	187	0.6	--	--	--
SS-28	201	16	83	0.3	--	--	--
SS-29	201	24	121	0.3	--	--	--
SS-34	201	20	90	0.2	--	--	--
SS-38	201	18	65	0.6	--	--	--
SS-39	201	40	147	0.7	--	--	--
SS-43	201	34	101	0.5	--	--	--
SS-45	201	126	1340	1.4	--	--	--
SS-48	201	12	61	1.7	--	--	--
SS-55	201	1	760	0.5	--	--	--
BL 0+50S	201	20	165	0.7	--	--	--
BL 1+00S	201	24	226	0.3	--	--	--
B 1+00S 0+50E	201	14	74	0.1	--	--	--
B 1+00S 1+00E	201	6	43	0.1	--	--	--
B 1+00S 1+50E	201	12	64	0.2	--	--	--
B 1+00S 2+00E	201	10	61	0.1	--	--	--
B 1+00S 2+50E	201	14	34	0.2	--	--	--
B 1+00S 3+00E	201	11	76	0.1	--	--	--
B 1+00S 0+50W	201	750	127	3.2	--	--	--
B 1+00S 1+00W	201	20	81	0.2	--	--	--
B 1+00S 1+50W	201	20	66	0.1	--	--	--
B 1+00S 2+00W	201	14	70	0.2	--	--	--
BL 2+00SE	201	18	168	0.2	--	--	--
B 2+00S 0+50E	201	34	175	0.2	--	--	--
B 2+00S 1+00E	201	8	42	0.1	--	--	--
B 2+00S 1+50E	201	2	38	0.1	--	--	--
B 2+00S 2+00E	201	14	54	0.2	--	--	--
B 2+00S 2+50E	201	6	48	0.1	--	--	--
B 2+00S 3+00E	201	10	78	0.2	--	--	--
BL 2+00SW	201	24	328	0.2	--	--	--
B 2+00S 0+50W	201	15	160	0.3	--	--	--
B 2+00S 1+00W	201	20	85	0.3	--	--	--
B 2+00S 1+50W	201	20	28	0.1	--	--	--
B 2+00S 2+00W	201	16	28	0.2	--	--	--
B 2+00S 2+50W	201	9	54	0.1	--	--	--
B 2+00S 3+00W	201	20	50	0.1	--	--	--
BL 7+50N	201	72	180	0.3	--	--	--
BL 8+00N	201	36	145	1.2	--	--	--
BL 8+50N	201	34	152	0.2	--	--	--
B 9+00N 0+00E	201	36	104	0.3	--	--	--

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TO : PAMICON DEVELOPMENTS LIMITED

215 - 543 GRANVILLE ST.,
VANCOUVER, B.C.
V6C 1X8

** CERT. # : A8517127-002-A
INVOICE # : I8517127
DATE : 14-OCT-85
P.O. # : NONE
SUE CLAIMS

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
B 9+00N 0+50E	201	34	410	0.6	--	--	--
B 9+00N 1+00E	201	28	270	0.3	--	--	--
B 9+00N 1+50E	201	18	67	0.2	--	--	--
B 9+00N 2+00E	201	28	70	2.0	--	--	--
B 9+00N 2+50E	201	74	145	0.7	--	--	--
B 9+00N 3+00E	201	14	128	0.3	--	--	--
B 9+00N 3+50E	201	14	102	0.3	--	--	--
B 9+00N 4+00E	201	12	103	0.2	--	--	--
B 9+00N 4+50E	201	13	125	0.4	--	--	--
B 9+00N 5+00E	201	42	240	0.1	--	--	--
B 9+00N 5+50E	201	20	175	0.3	--	--	--
B 9+00N 6+00E	201	8	96	0.3	--	--	--
B 9+00N 0+50W	201	20	112	0.1	--	--	--
B 9+00N 1+00W	201	13	100	0.2	--	--	--
B 9+00N 1+50W	201	13	55	0.3	--	--	--
B 9+00N 2+00W	201	18	60	0.4	--	--	--

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TO : PAMICON DEVELOPMENTS LIMITED

215 - 543 GRANVILLE ST.,
VANCOUVER, B.C.
V6C 1X8

** CERT. # : A8516672-001-A
INVOICE # : I8516672
DATE : 25-SEP-85
P.O. # : NONE
SUE CLAIMS

Sample description	Prep code	Pb ppm	Zn ppm	Ag ppm			
DAC-3	205	40	550	3.3	--	--	--
DAC-4	205	60	1200	0.1	--	--	--
DAC-5	205	10	170	6.2	--	--	--
DAC-6	205	52	1280	0.1	--	--	--
ND-S-11	205	82	1830	0.4	--	--	--
ND-S-13	205	110	1150	0.1	--	--	--
ND-S-19	205	6	75	0.1	--	--	--
ND-S-23	205	14	20	0.1	--	--	--
ND-S-24	205	8	15	0.1	--	--	--
ND-S-25	205	74	115	0.6	--	--	--
ND-S-26	205	7	68	0.1	--	--	--
ND-S-27	205	3	5	0.8	--	--	--

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CERTIFICATE OF ASSAY

TO : PAMICON DEVELOPMENTS LIMITED

215 - 543 GRANVILLE ST.,
VANCOUVER, B.C.
V6C 1X8

** CERT. # : A8517126-001-A
INVOICE # : I8517126
DATE : 23-OCT-85
P.O. # : NONE
SUE CLAIMS

Sample description	Prep code	WO3 NAA %					
ND-S-59	208	0.103	--	--	--	--	--
ND-S-60	208	0.136	--	--	--	--	--
ND-S-61	208	0.164	--	--	--	--	--
ND-S-62	208	0.135	--	--	--	--	--
ND-S-63	208	0.029	--	--	--	--	--
ND-S-64	208	0.227	--	--	--	--	--
ND-S-65	208	0.102	--	--	--	--	--
ND-S-66	208	0.244	--	--	--	--	--
DAC-7	208	0.005	--	--	--	--	--

B.J. Scott

Registered Assayer, Province of British Columbia

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CERTIFICATE OF ANALYSIS

TO : PAMICON DEVELOPMENTS LIMITED

215 - 543 GRANVILLE ST..
VANCOUVER. B.C.
V6C 1X8

** CERT. # : A8517128-001-A
INVOICE # : I8517128
DATE : 17-OCT-85
P.O. # : NONE
SUE CLAIMS

Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Cr, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and U can only be considered as semi-quantitative.

COMMENTS :

Sample description	Au NAA ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	
RD-1	--	0.08	2.2	190	120	<0.5	2	0.01	<0.5	3	236	81	0.49	<10	0.02	<10	0.01	35	2	<0.01	9	40	130	60	4	<0.01	<10	<10	2	<10	10	--
RD-2	--	0.26	1.0	280	140	<0.5	2	0.06	0.5	36	189	110	1.55	<10	0.05	<10	0.03	764	30	<0.01	23	270	68	20	4	<0.01	<10	<10	11	<10	200	--
RD-3	--	0.71	0.8	90	450	<0.5	<2	0.13	1.0	59	170	169	3.22	<10	0.10	20	0.03	2554	92	<0.01	58	890	12	<10	4	<0.01	<10	<10	76	<10	260	--
RD-4	--	3.01	0.4	60	220	1.5	2	0.43	<0.5	28	130	164	3.74	10	0.24	30	0.62	679	45	<0.01	54	570	28	<10	13	0.04	<10	<10	113	<10	390	--
RD-5	--	2.12	0.4	50	270	<0.5	<2	0.28	1.0	38	94	99	3.81	10	0.19	40	0.21	1205	3	<0.01	63	720	8	<10	6	<0.01	<10	<10	158	<10	340	--
RD-6	--	5.43	0.2	<10	750	1.5	<2	1.97	<0.5	13	99	49	3.06	20	0.60	40	1.20	400	3	0.27	38	1960	2	<10	119	0.15	<10	<10	87	<10	100	--
RD-7	--	0.71	0.2	<10	90	<0.5	<2	0.32	<0.5	1	99	8	0.53	<10	0.11	10	0.10	375	1	0.05	5	80	12	<10	17	0.01	<10	<10	7	<10	10	--
RD-S-30	<1	0.10	0.2	40	60	<0.5	6	35.96	<0.5	2	23	<1	0.32	60	<0.01	<10	0.25	288	1	<0.01	5	140	62	30	<1	<0.01	<10	<10	7	<10	110	--
RD-S-31	<1	0.71	0.6	10	50	<0.5	<2	2.93	<0.5	26	45	10	9.66	10	0.29	10	0.91	87	<1	<0.01	14	1860	12	10	7	0.09	<10	<10	33	<10	10	--
RD-S-32	<1	3.54	0.4	20	40	<0.5	<2	1.87	<0.5	32	91	33	8.69	10	0.20	10	0.81	36	<1	0.11	18	2340	<2	10	78	0.34	<10	<10	91	<10	<10	--
RD-S-33	<1	1.94	0.4	<10	50	<0.5	<2	0.60	<0.5	26	55	2	8.25	10	0.51	10	0.58	186	1	<0.01	4	3000	4	<10	3	0.07	<10	<10	77	<10	10	--
RD-S-35	<1	5.10	0.4	<10	30	<0.5	<2	2.75	<0.5	37	54	18	6.19	30	0.34	20	1.17	145	1	0.31	17	2870	<2	<10	58	0.46	<10	<10	156	<10	10	--
RD-S-36	--	0.05	0.4	40	120	<0.5	<2	25.24	<0.5	9	18	<1	2.39	50	<0.01	<10	6.37	652	<1	<0.01	6	150	38	30	<1	<0.01	<10	<10	12	<10	110	--
RD-S-37	--	0.28	3.2	150	200	<0.5	<2	1.67	5.0	4	22	9	52.67	20	<0.01	10	0.40	215	12	<0.01	4	1100	<2	290	<1	<0.01	<10	30	64	<10	540	--
RD-S-40	3	2.96	0.2	10	30	<0.5	<2	2.12	<0.5	37	35	<1	8.94	20	0.21	10	0.77	57	<1	0.08	7	2910	20	<10	7	0.21	<10	<10	88	<10	10	--
RD-S-41	<1	3.46	0.2	<10	40	<0.5	<2	2.58	<0.5	35	54	7	10.69	20	0.16	20	0.34	144	<1	0.18	12	2440	<2	<10	20	0.37	<10	<10	146	<10	10	--
RD-S-44	--	4.01	0.2	<10	30	<0.5	<2	2.31	<0.5	36	35	<1	10.07	20	0.07	20	0.41	59	2	0.15	19	2260	<2	10	49	0.73	<10	10	125	<10	<10	--
RD-S-46	--	2.69	1.2	10	260	<0.5	<2	0.81	<0.5	69	51	<1	9.70	20	0.08	30	0.34	564	<1	<0.01	19	1320	10	<10	8	<0.01	<10	10	177	<10	80	--
RD-S-47	--	1.40	1.6	<10	570	<0.5	<2	0.62	0.5	24	34	1	19.41	20	0.22	20	0.18	14	<1	<0.01	10	3700	<2	<10	12	0.09	<10	10	235	<10	40	--
RD-S-49	--	2.01	1.0	40	130	<0.5	<2	3.35	0.5	47	31	30	23.07	30	0.12	20	1.95	489	<1	<0.01	33	3650	68	<10	31	0.06	<10	<10	67	<10	90	--
RD-S-50	--	3.13	0.2	20	100	<0.5	<2	1.19	<0.5	24	38	<1	6.42	20	0.21	20	0.89	724	<1	0.02	10	2150	6	<10	25	0.28	<10	<10	131	<10	60	--
RD-S-51	--	3.84	0.4	60	140	<0.5	<2	1.32	<0.5	111	46	22	12.04	20	0.19	20	1.07	3570	3	0.08	26	3140	78	<10	28	0.35	<10	<10	142	<10	130	--
RD-S-52	--	4.15	0.2	10	170	<0.5	<2	1.46	<0.5	35	45	15	7.95	20	0.28	20	1.57	429	1	0.05	15	2820	<2	<10	22	0.39	<10	<10	173	<10	60	--
RD-S-53	--	4.89	0.2	30	340	<0.5	<2	1.60	<0.5	37	55	6	9.63	20	0.94	30	2.62	552	<1	0.18	15	3050	<2	<10	49	0.33	<10	<10	209	<10	90	--
RD-S-54	--	3.91	0.2	10	400	<0.5	<2	1.61	<0.5	34	40	1	7.51	20	0.25	30	1.43	762	<1	0.06	13	2900	<2	<10	30	0.28	<10	<10	173	<10	70	--
RD-S-56	--	1.75	0.2	150	730	<0.5	<2	0.11	<0.5	12	79	23	3.97	10	0.77	60	0.50	543	34	0.01	24	380	8	<10	5	0.13	<10	<10	29	<10	250	--
RD-S-57	--	0.44	0.2	290	260	<0.5	<2	0.07	<0.5	1	88	<1	0.66	<10	0.09	<10	0.05	53	10	<0.01	2	120	484	20	13	0.01	<10	<10	11	<10	30	--
RD-S-58	--	0.79	4.0	10	70	15.0	14	1.83	<0.5	3	32	2	0.64	10	0.04	20	0.47	329	125	0.03	11	1210	14	<10	26	0.07	<10	<10	62	<10	50	--

Certified by .....

Chemex Labs Ltd.

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1
Telephone:(604) 984-0221
Telex: 043-52597

·Analytical Chemists ·Geochemists ·Registered Assayers

CERTIFICATE OF ANALYSIS

TO : PAMICON DEVELOPMENTS LIMITED

215 - 543 GRANVILLE ST..
VANCOUVER, B.C.
V6C 1X8

** CERT. # : A8516569-001-A
INVOICE # : I8516569
DATE : 30-SEP-85
P.O. # : NONE
SUE CLAIMS

Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals. values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :
ATTN: R. DARNEY

Sample description	Au NAA ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	
DAC-1	--	0.81	0.6	350	200	<0.5	<2	0.59	18.5	12	108	249	22.96	10	0.01	<10	0.13	376	28	<0.01	254	1260	116	120	25	<0.01	<10	<10	199	<10	2780	--
DAC-2	--	0.71	0.6	270	370	<0.5	<2	1.01	24.5	6	121	185	26.73	30	0.04	<10	0.10	156	52	<0.01	295	1590	126	70	23	<0.01	<10	<10	492	<10	3300	--
ND-S-1	--	0.10	23.4	110	4500	<0.5	24	0.07	5.5	7	17	57	1.08	<10	0.02	<10	0.03	412	92	<0.01	56	780	>9999	630	76	<0.01	<10	<10	20	150	>9999	--
ND-S-2	--	0.06	0.6	60	3520	1.0	46	0.05	16.0	10	8	45	0.60	<10	<0.01	<10	0.01	3966	147	<0.01	158	970	6940	1130	12	<0.01	<10	<10	31	240	>9999	--
ND-S-3	--	0.65	0.2	100	2040	<0.5	<2	0.08	2.0	6	53	132	22.86	<10	0.02	<10	0.04	152	14	<0.01	36	2890	322	70	9	<0.01	<10	<10	160	<10	7620	--
ND-S-4	--	0.17	30.4	480	2850	1.0	128	0.07	>99.9	35	9	199	2.84	<10	<0.01	10	0.12	>9999	136	<0.01	117	1530	>9999	1770	19	<0.01	40	490	88	210	>9999	--
ND-S-5	--	0.24	1.6	170	700	<0.5	<2	0.25	7.0	12	28	112	47.80	40	<0.01	<10	0.28	3316	15	<0.01	38	1870	2632	80	5	<0.01	<10	20	50	<10	5430	--
ND-S-6	--	0.42	0.8	250	390	<0.5	<2	0.24	25.0	13	31	182	47.80	50	<0.01	<10	0.15	3984	32	<0.01	187	1270	2258	130	3	<0.01	<10	50	105	<10	8620	--
ND-S-7	2	2.34	0.2	20	30	<0.5	<2	1.88	0.5	35	36	4	11.55	10	0.40	<10	0.50	595	4	0.28	33	2740	620	10	39	<0.01	<10	<10	47	<10	1320	--
ND-S-9	<1	2.21	0.2	20	50	<0.5	<2	1.88	0.5	36	30	5	10.36	10	0.39	<10	0.49	462	4	0.26	28	2630	286	20	22	0.01	<10	<10	47	<10	1120	--
ND-S-10	<1	1.94	0.2	20	80	<0.5	<2	3.26	<0.5	30	31	10	6.98	20	0.21	<10	1.93	99	3	0.02	17	2000	82	10	<1	0.15	<10	<10	73	<10	130	--

Certified by Hart Bichler

APPENDIX V

SAMPLE DESCRIPTIONS

GEOCHEMICAL DATA SHEET – ROCK CHIP SAMPLING

EXPLORATION DIVISION

NTS 1040/16W

SAMPLER D. CAULFIELD, N. DEBOCK

PROJECT SUE CLAIMS

LINE

DATE SEPT. /85

AIR PHOTO NO. A25288 - 168

SAMPLE NO.	LOCATION	ROCK TYPE	DESCRIPTION					ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS ppm			
			Sample Type	APPARENT WIDTH / TRUE WIDTH	Alteration	Freshness	Mineralization		Pb	Zn	Ag	
DAC-1	S. Grid. 5+00N,	Lst.	grab				Fe Mn oxides	found in limestone talus slopes	116	2780	0.6	
	9+00 E											
DAC-2	"	Siltstone	"				"	rounded float in frost heave	126	3300	0.6	
DAC-3	S. Grid 6+00N,	Lst.	"				"	"	40	550	3.3	
	0+50W											
DAC-4	S. Grid 5+00N,	Dlst.	"				"	"	60	1200	0.1	
	6+25E											
DAC-5	Sue 1	Lst.	"				"	float in rusty soil in saddle	10	170	6.2	
DAC-6	Sue 1	Lst.	"					occurs in karst structure with wollastonite, aragonite	52	1280	0.1	
ND-S-1	Berg	Sylvester Group clastics	"		quartz barite		Mn Fe oxides		>9999	>9999	23.4	
	Trenches						Smithsonite anglesite					
ND-S-2	"	"	"				"		6490	>9999	0.6	
ND-S-3	"	"	"				"		322	7620	0.2	
ND-S-4	"	"	"				"		>9999	>9999	30.4	

GEOCHEMICAL DATA SHEET – ROCK CHIP SAMPLING

EXPLORATION DIVISION

NTS 1040 /16W

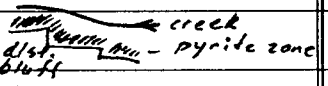
SAMPLER D.A. CAULFIELD, N. DEBOCK

PROJECT SUE CLAIMS

LINE

DATE SEPT. / 85

AIR PHOTO NO. A25288 - 168

SAMPLE NO.	LOCATION	ROCK TYPE	DESCRIPTION					ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS ppm			
			Sample Type	APPARENT WIDTH / TRUE WIDTH	Alteration	Freshness	Mineralization		Pb	Zn	Ag	
ND-S-5	S. Grid 7+25N, B.L.	Dist.	grab				Fe Mn oxides	transported float sample	2632	5430	1.6	
ND-S-6	S. Grid 7+00N, 7+00E	Lst.	"				"		2258	8620	0.8	
ND-S-7	Center creek South fork	Dist.	"		quartz		pyrite	follows jointing & bedding ie. 	620	1320	0.2	
ND-S-9	"	"	"		"		"	same location	286	1120	0.2	
ND-S-10	"	"	"	4.0m	"		"	4.0m width on the zone	82	130	0.2	
ND-S-11	S. Grid 9+50N, 2+75W	"	"				Fe Mn oxides		82	1830	0.4	
ND-S-13	S. Grid 1+25N, 8+00E	Lst.	"				"	source of rusty gossan along ridge line	110	1150	0.1	
ND-S-19	N. Grid 7+50N, B.L.	Shale	"		hornfelsed		pyrite pyrrhotite		6	75	0.1	
ND-S-23	N. Grid 7+00N 1+30E	Qzte. breccia	"		quartz			outcrop near creek	14	20	0.1	
ND-S-24	"	"	"		"			"	8	15	0.1	

GEOCHEMICAL DATA SHEET – ROCK CHIP SAMPLING

EXPLORATION DIVISION

NTS 1040/16W

SAMPLER D.A. CAULFIELD, N. DEBOCK PROJECT SUE CLAIMS

LINE

DATE SEPT. 1985 AIR PHOTO NO. A25288-168

SAMPLE NO.	LOCATION	ROCK TYPE	DESCRIPTION					ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS ppm			
			Sample Type	APPARENT WIDTH / TRUE WIDTH	Alteration	Freshness	Mineralization		Pb	Zn	Ag	
ND-S-25	N. Grid 7+00N, 1+30E	Shale	grab				pyrite	sample from shales bordering quartz monzonite dyke	74	115	0.6	
ND-S-26	"	Qzte breccia	"						7	68	0.1	
ND-S-27	"	Shale	"	1.0m					3	5	0.8	
ND-S-30	Center Creek	Lst.	"				Fe oxides	fault exposed ↑ 170°/57°W	62	110	0.2	
ND-S-31	"	"	chip	6.0m	quartz		pyrite	discontinuous chip along creek exposure	12	10	0.6	
ND-S-32	"	"	"	>6.0m	"		"	chip sample across 6.0m of stronger pyrite mineralization	<2	<10	0.4	
ND-S-33	"	"	"	11.0m.	"		"		4	10	0.4	
ND-S-35	Center Creek South Fork	Dlst.	grab		"		"		<2	10	0.4	
ND-S-36	Tr 85-3 area	Lst.	"				pyrite		38	110	0.4	
ND-S-37	Sue 1		"		Wollastonite aragonite			occurs in karsting along fault structure	<2	540	3.2	

GEOCHEMICAL DATA SHEET – ROCK CHIP SAMPLING

EXPLORATION DIVISION

NTS 1040/16W

SAMPLER D.A. CAULFIELD, N. DEBOCK

PROJECT SUE CLAIMS

LINE

DATE SEPT./1985

AIR PHOTO NO. A25288-168

SAMPLE NO.	LOCATION	ROCK TYPE	DESCRIPTION					ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS ppm			
			Sample Type	APPARENT WIDTH / TRUE WIDTH	Alteration	Freshness	Mineralization		Pb	Zn	Ag	
ND-S-40	Center creek	Dist.	grab	2.5m			pyrite	faulted off n. side of creek	20	10	0.2	
	north fork											
ND-S-41	"	mafic dyke	"	6.0m			"	faulted off to the south across creek	<2	10	0.2	
ND-S-44	Connector road	Dist.	"	0.3m			"	zone stretches for 7.0m along road cut	<2	<10	0.2	
	Sue 1											
ND-S-46	Tr 85-3	Lst.	"				Fe Mn oxides	sample of gossanous float in trench bottom	10	80	1.2	
ND-S-47	Tr 85-4	"	"				"	"	<2	40	1.6	
ND-S-49	Tr 85-5	Dist & mafic dyke	chip	1.0m			Fe, Mn oxides	footwall dist., & rusty gouge bordering dyke	68	90	1.0	
ND-S-50	"	mafic dyke	"	3.0m	quartz carbonate chlorite		pyrite pyrrhotite	first of a series of chip samples across mineralized dyke sampling east through west.	6	60	0.2	
ND-S-51	"	"	"	5.0m	"		"		78	130	0.4	
ND-S-52	"	"	"	5.0m	"		"		<2	60	0.2	
ND-S-53	"	"	"	5.0m	"		"		<2	90	0.2	

GEOCHEMICAL DATA SHEET — ROCK CHIP SAMPLING

EXPLORATION DIVISION

NTS 1040/16W

SAMPLER D.A. CAULFIELD, N. DEBOCK, R. DARNEY

PROJECT SUE CLAIMS

LINE

DATE SEPT. / 1985

AIR PHOTO NO. A25288 - 168

SAMPLE NO.	LOCATION	ROCK TYPE	DESCRIPTION					ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS ppm			
			Sample Type	APPARENT WIDTH / TRUE WIDTH	Alteration	Freshness	Mineralization		Pb	Zn	Ag	
ND-S-54	Tr 85-5	mafic dyke ; dist.	chip	5.0m			pyrite pyrrhotite	Sample across well broken hanging wall of dyke into 1.0m of dlste.	<2	70	0.2	
ND-S-56	Tr 85-6	?	grab				Fe oxide	grab of rubble in bottom of frozen trench	8	250	0.2	
ND-S-57	"	qzte breccia	"					"	484	30	0.2	
ND-S-58	"	intrasive breccia	"				molybdenite?	"	14	50	4.0	
RD - 1	Tr 85-1	qzte	grab						130	10	2.2	
RD - 2	"	qzte breccia	"					black sooty float, vuggy porous	68	200	1.0	
RD - 3	"	qzte, shale, gouge zone	chip	2.0m				gouged, fragmented zone	12	260	0.8	
RD - 4	"	black shale	"	1.0m	clay tale		Fe oxides	sheared, bleached zone	28	390	0.4	
RD - 5	"	green - black shale	"	2.0m			"		8	340	0.4	
RD - 6	"	"	"	1.0m				blocky fractured	2	100	0.2	

GEOCHEMICAL DATA SHEET – ROCK CHIP SAMPLING

EXPLORATION DIVISION

NTS 1040/16W

SAMPLER D.A. CAULFIELD, N. DEBOCK, R.J. DARNEY PROJECT SUE CLAIMS

LINE

DATE SEPT. / 1985 AIR PHOTO NO. A25288 - 168

SAMPLE NO.	LOCATION	ROCK TYPE	DESCRIPTION					ADDITIONAL OBSERVATIONS OR REMARKS	ppm ASSAYS			%
			Sample Type	APPARENT WIDTH / TRUE WIDTH	Alteration	Freshness	Mineralization		Pb	Zn	Ag	WO_3
RD-7	Tr 85-1	qzte	chip	1.0m					12	10	0.2	
ND-S-59	Main trench area Fig. 4	skarn	"	9.0m	quartz +/- actinolite, chlorite, talc, wollast.		scheelite +/- sphalerite galena, powellite	old Dupont trench				0.103
ND-S-60	"	"	"	9.0m	"		molybdenite "	"				0.136
ND-S-61	"	"	"	12.0m	"		"	"				0.164
ND-S-62	"	"	"	7.0m	"		"	Tr 85-7				0.135
ND-S-63	"	"	"	4.0m	"		"	"				0.029
ND-S-64	"	"	"	3.5m	"		"	"				0.227
ND-S-65	South of main trench area Fig. 4	"	"	7.0m	"		"	old Dupont trench				0.102
ND-S-66	"	"	"	5.0m	"		"	"				0.244
DAC-7	Connector road near switchback	"	grab		"			zone exposed in road cut				0.005

GEOCHEMICAL DATA SHEET – STREAM SILTS

EXPLORATION DIVISION

NTS 1040/16W

SAMPLER D.A. CAULFIELD, N. DEBOCK

PROJECT SUE CLAIMS

CREEK

DATE SEPT. 1985

AIR PHOTO NO. A25288-168

SAMPLE NO.	VOLUME Width	VOLUME Depth	DRAINAGE	Ph	TYPE OF SAMPLE	COLOUR	TEXTURE	% ORGANIC MATERIAL	PETROLOGY OF BEDROCK AND/OR FLOAT	ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS ppm Pb	Zn	Ag	
SS-S-4					silt			<10%	Cst.	Berg creek Sue 2 claim dry creek	225	860	0.1	
SS-S-14	1.0 m	30cm			"			<10%	dlst.	Center creek, south fork rusty seep near sulphide zone	250	130	0.1	
SS-S-16					"				Cst.	Berg creek, Sue 2 claim dry creek	350	825	0.2	
SS-28	2.0m	50cm			"			30%	Cst.	Center Creek poor sample	16	83	0.3	
SS-29	"	"			"			10-20%	Cst.	"	29	121	0.3	
SS-34	1.0m	30cm			"			30%	Cst.	" South fork	20	90	0.2	
SS-39	2.0m	50cm			"				Cst.	" North fork	90	147	0.7	
S.Grid 3+00 N 3+69 E					"			<10%	Cst.	Berg creek Sue 2 claim dry creek	222	1080	0.1	

EXPLORATION DIVISION

GEOCHEMICAL DATA SHEET – SOIL SAMPLING

* DOES NOT INCLUDE N.S. GRID SAMPLES

SAMPLER D. CAULFIELD, N. DEBOCK

DATE SEPT. /1985

PROJECT SUE CLAIMS

NTS 1040/16W

LINE

AIR PHOTO NO. A25288-168

SAMPLE NO.	LOCATION	Depth	Horiz	DESCRIPTION				SLOPE	VEG.	ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS ppm			
				Colour	Part Size	% ORG.	Ph				Pb	Zn	Ag	
OG-2+00N 15+50W	above switch-back connector road									to test old grid station	54	187	0.6	
SS-38	Sue 1 claim									sample from gossanous karst sinkhole structure	18	65	0.6	
SS-43	Tr 85-5									sample of rusty soil at switch back	34	101	0.5	
SS-45	Tr 85-3									test of rusty soil in frozen trench bottom	126	1340	1.4	
SS-48	Tr 85-4									"	12	61	1.7	
SS-55	Tr 85-6									"	1	760	0.5	

YUKON

BRITISH COLUMBIA

NORTH GRID

SOUTH GRID

See Figure 4

Road continues to main road

SUE 1

SUE 2

LCP

* ND-S-1 thru 4 taken from Berg trenches (Fe Mn)

LEGEND

JURASSIC and/or CRETACEOUS

23 CASSIAR BATHOLITH : biotite quartz monzonite, biotite granite

CRETACEOUS (?)

23a mafic dykes, disseminated with pyrite, pyrrhotite

U. DEVONIAN, L. MISSISSIPPIAN

6 SYLVESTER GROUP : slate, phyllite, siltstone

M. & U. DEVONIAN

5 McDAME GROUP : fetid limestone, minor dolomite

ORDOVICIAN, SILURIAN AND (?) DEVONIAN

4 SANDPILE GROUP : laminated well-bedded dolomite, sandy dolomite, calcareous quartzite (lowest member)

CAMBRIAN, ORDOVICIAN (?), L. & M. SILURIAN (?)

2 KECHIKA GROUP : graphitic limestone/shale, pelitic siltstone, green calcareous phyllite

CAMBRIAN AND HADRYNIAN

1 ATAN GROUP : quartzite, argillite (1a)

AGE UNKNOWN

1br quartzite breccia

MINERAL SHOWINGS

PYPR - pyrite, pyrrhotite assoc. with unit 23A

QZPY - quartz-pyrite zone

Fe Mn - geothite-pyrolusite gossans

Sk - skarn - quartz, chlorite, actinolite, wollastonite talc (muscovite) with scheelite, molybdenite

5 Units correlate to G.S.C. Map 18-1968

SYMBOLS

Air Photo Linament

Outcrop

20° Bedding - strike & dip ; vertical

20° Jointing - strike & dip

Geologic Contact - approximate

70° Fault

10° Minor Fold Axis

Road

Trench

× Rock Sample Location

• Silt Sample Location

▲ Soil Sample Location

Elevation Contour Interval — 20 meters

100 50 0 100 200 300m

Scale 1:5000

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,348

Mikado Resources Ltd.

SUE CLAIMS

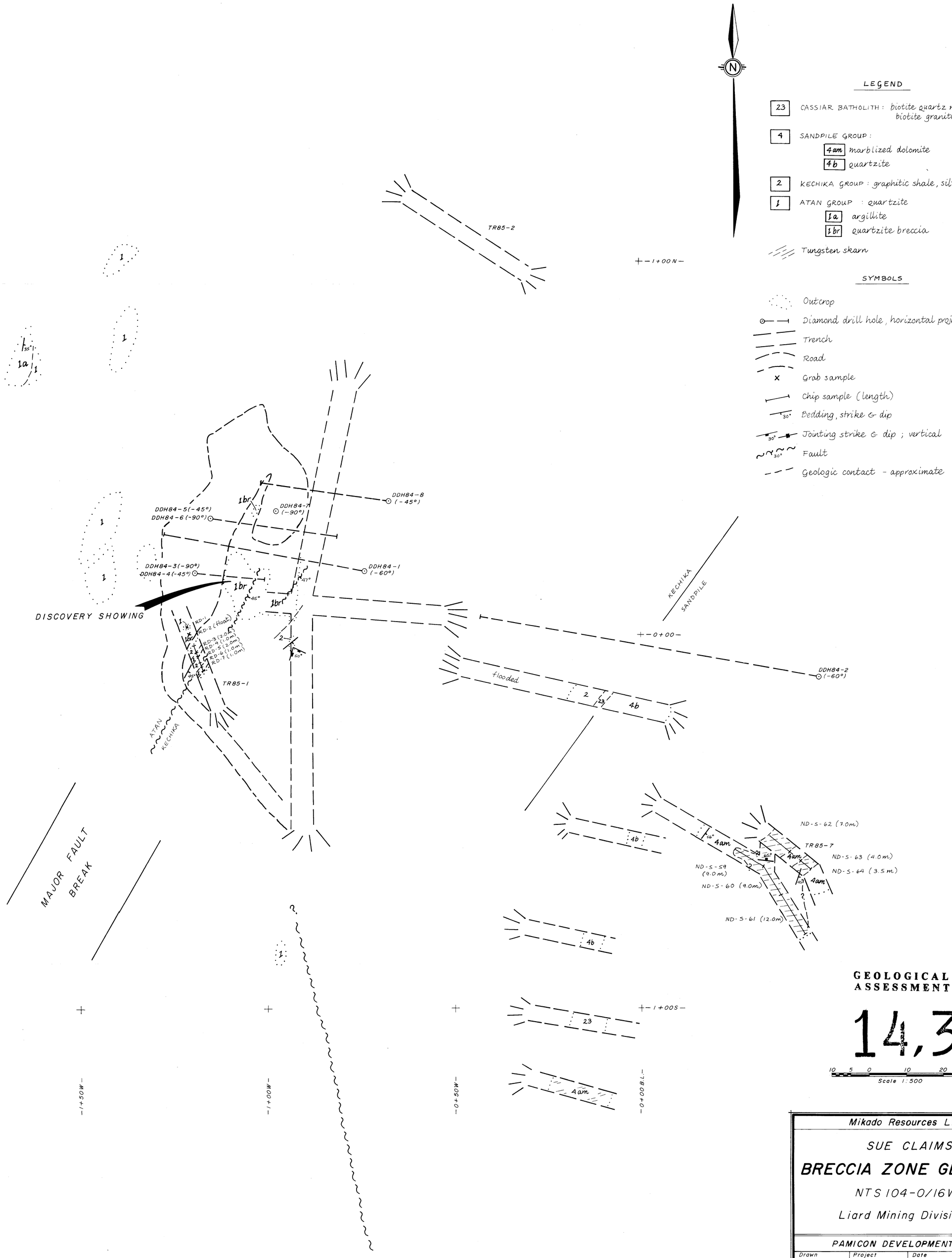
PROPERTY GEOLOGY

NTS 104-O/16W

Liard Mining Division

PAMICON DEVELOPMENTS LTD.

DRAWN	PROJECT	DATE	FIG.
		Dec., 1985	3



GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,348

10 5 0 10 20 30m
Scale 1:500

Mikado Resources Ltd.

SUE CLAIMS

BRECCIA ZONE GEOLOGY

NTS 104-O/16W

Liard Mining Division

PAMICON DEVELOPMENTS LTD.

Drawn	Project	Date	Figure
		Dec 1985	4