ASSESSMENT REPORT
ON THE

TORO PROPERTY
(TORO 5-8 YA82453-456, TORO 17 YA82465, TAD 1-4 YB66794-797, TAD 9-10 YB66798-799, TAD 11-16 YB66741-746, TAD 18-20 YB66747-749, TAD 21-44 YB66766-789, TAD 45-48 YB66800-803, TAD 49-52 YB66750-753, TAD 53-56 YB66790-793)

DAWSON RANGE

NTS 115 I-12
Lat. 62° 38' N, Long. 138° 35' W
Whitehorse Mining District
YUKON TERRITORY

For: **INTERNATIONAL KODIAK RESOURCES INC.**
1210-675 West Hastings Street.
Vancouver, B.C.
V6B 1N2

093686

Prepared by: G. S. Davidson, P. Geol.
November 2, 1997

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 15,300.

for Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

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SUMMARY

The TORO Property consists of 56 claims (1,000 hectares) located at Hayes Creek, 105 km west of Carmacks and 260 km northwest of Whitehorse in the central Yukon Territory. The property is held by International Kodiak Resources Inc. (Kodiak) under terms of an option agreement with the property owners Mr. G. Davidson & Mr. B. Harris. Access to the area is by helicopter or winter road. The Casino Trail passes through the property but the section accessible to four wheel drive vehicles ends 15 km to the east. Placer miners establish a winter road for haulage of equipment and supplies to mines located downstream on Hayes Creek.

The property lies in the Dawson Range along a regional trend that hosts a series of Cu-Au porphyry deposits associated with Mesozoic intrusive rocks. Hayes Creek is in an area of moderate relief featuring rounded hills and ridges and fairly wide swampy valley floors. The ridges are incised by narrow, steep-sided valleys which drain into the low lying Hayes Creek. Placer gold mines have operated periodically on several tributaries of Hayes Creek including, Apex Creek (located upstream of the property) and Klines & Sonora Gulches (located downstream of the property).

The Hayes Creek area is underlain by the Dawson Range Batholith and plutons of the Prospector Mountain Plutonic Suite intruding the Wolverine Creek Metamorphic Suite. Younger Carmacks Group volcanic rocks cover the intrusives to the northeast. The Big Creek Fault, a regional structure follows the Hayes Creek and Big Creek valleys in a northwest-southeast orientation and together with rocks of the Prospector Mountain Plutonic Suite are spatially related with porphyry style mineralization, and gold bearing oxide breccia bodies.

Exploration in the area of the TORO claims started in 1969 after the discovery of a mineralized quartz monzonite porphyry outcrop along Hayes Creek by employees of International Mine Services Ltd.(IML). A deeply weathered lead-zinc-moly-copper porphyry, expressed by anomalous lead-zinc soil values and three induced polarization chargeability zones was outlined. Diamond drilling in 1969-70 of 2,708 meters (8,880 feet) in 18 holes intersected quartz monzonite porphyry and breccia exhibiting intense argillic, phyllic and propylitic alteration zones with up to 10% pyrite. In one drill hole, a 6 meter (18.5 feet) section of limonite and hematite stained breccia containing sphalerite, galena and pyrite assayed .04 opt gold, 0.69 opt silver, 1.83% zinc, 0.36% lead and 0.04% copper. IMS concluded that a porphyry deposit may be present at depth however they never tested this possibility.

In 1986-87 Noranda Exploration Company Ltd. (Noranda) acquired the prospect and performed soil sampling, trenching, diamond drilling (4 holes, 371 meters) and resampled the IMS core. Noranda targeted potential gold mineralization in a zone of oxidation extending to an average depth of 80 meters. The best gold and silver values were obtained from the IMS core, up to 2.03 gpt over 8.2 meters. Gold and silver enrichment was present in brecciated and altered porphyry about 20 meters above the base of the oxide zone. Other areas of precious metal enrichment were found in soil samples and in overburden trenches. The four Noranda drill holes intersected minor mineralization which caused Noranda to leave the area.

Kodiak acquired the prospect in 1996 and initiated exploration on the Toro and Tad claims in July 1996, establishing a 10 km flag line grid, collecting 398 soil samples and completing VLF-EM and magnetometer surveys. Strong Au-Ag-Zn-As soil geochemical anomalies were outlined in the grid area. The response for gold was strong but patchy with a peak value of 623 ppb. A broad silver, zinc and arsenic anomaly occurs across the northern portion of the grid and a second weaker anomaly is present in the southeastern grid area.

Kodiak plans to explore the TORO prospect for porphyry and breccia mineralization. The potential for outlining a gold deposit is considered favourable and an exploration program for this type of mineralization is recommended in the report. A $240,000 work program consisting of line cutting, geochemical and geophysical surveys and drilling is proposed for 1998.

INTRODUCTION

The TORO property is located in the Central Yukon at Hayes Creek a tributary of the Selwyn River in the Whitehorse Mining District, Yukon Territory (Map Sheet NTS 115 I-12). Access is by helicopter to the camp. A gravel air strip, located 4 km upstream is usable by small aircraft and cat roads around the property are passable to ATV's. Heavy equipment, supplies, and fuel can be hauled in on the winter road which is opened by local placer miners. The road distance from Whitehorse is 330 km.

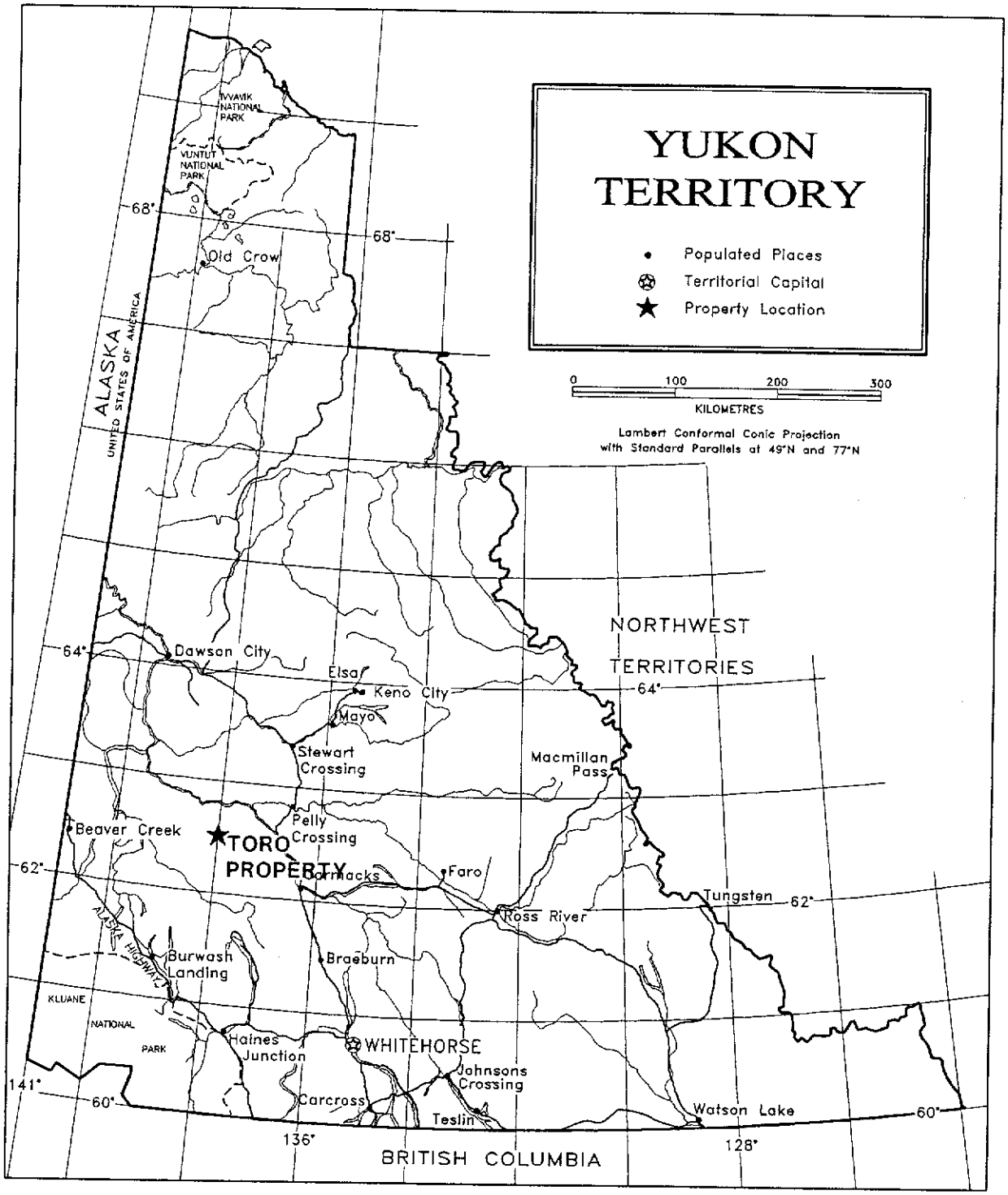
This report reviews data and documents provided by Nicholson & Associates Natural Resource Development Ltd. whose personnel completed the exploration program described in this report. The writer also reviewed numerous assessment and general reports on porphyry and breccia prospects in the Dawson Range. The writer first worked in the area in 1985 on behalf of Shakwak Exploration Co. Ltd. and has returned periodically to explore properties around Freegold Mountain, Mt. Caufield, Casino and Hayes Creek. This report was prepared for Kodiak as partial requirements for filing assessment on the claims.

LOCATION AND ACCESS

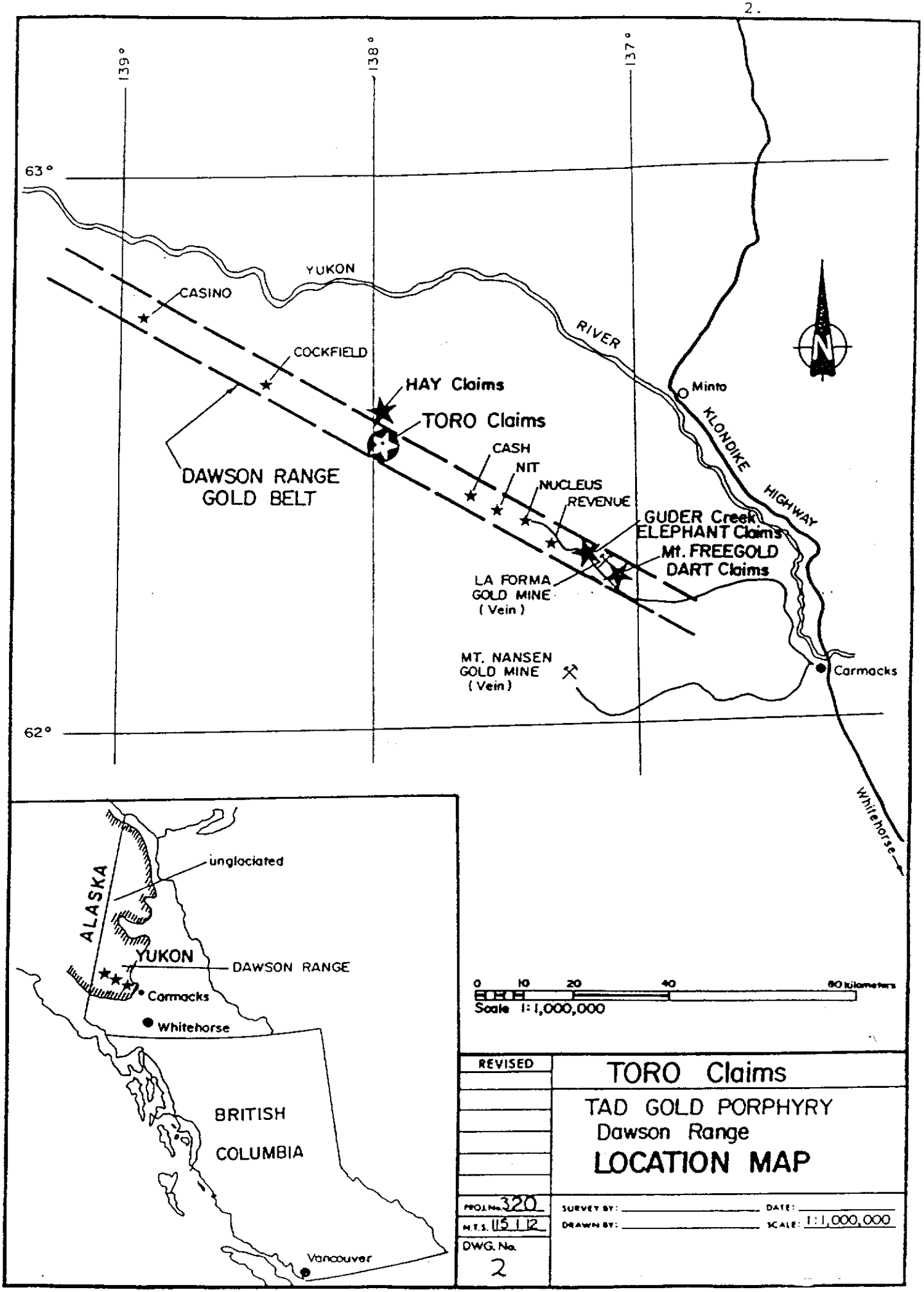
The TORO Property is located on Hayes Creek in the Dawson Range on NTS Map Sheet 115 I-12 at geographical co-ordinates 62° 38' N and 138° 35' W. The TORO Property is accessed by charter helicopter from Carmacks or Whitehorse. An airstrip located 4 km upstream of the camp is connected by a network of cat roads to the TORO. The camp consists of four framed plywood buildings situated beside Hayes Creek along the winter road. Figures 1 and 2 show the property location.

The Casino Trail connecting the Freegold Road to the Casino Property provides four wheel drive access to within 15 km of the TORO. A winter trail connecting the all-weather road to the property is passable to ATV's and nodwell type vehicles in summer however heavy equipment, supplies and fuel are moved in late February or early March.

Carmacks or Whitehorse provides supplies and services to the district. Charter aircraft are available from Carmacks and Whitehorse.



International Kodiak Resources Ltd.		
TORO PROPERTY Location Map		
Graham Davidson, Consulting Geologist		
SCALE: 1 : 6 000 000		DATE: 97.04.23
NTS: 115 I/2	DRAWN:	FIGURE 1



REVISED	TORO Claims
	TAD GOLD PORPHYRY Dawson Range **LOCATION MAP**
PROJ. No. 320	SURVEY BY: _____ DATE: _____
N.T.S. 115 I 12	DRAWN BY: _____ SCALE: 1:1,000,000
DWG. No. 2	

VANCAL 11927

PHYSIOGRAPHY

The TORO Property covers broad, gentle to moderate hills, benches and slopes, and the swampy flat bottomed Hayes Creek valley. Outcrop is sparse, except on several steeper slopes. Bulldozer trenching by Noranda and IMS failed to penetrate the overburden which averages 6 meters deep on hillsides and 10 meters in the Hayes Creek valley. Permafrost is limited to north facing slopes and valley bottoms. Elevations in the property area range from 760 - 1280 m (2500' - 4200') above sea level.

Vegetation consists of swamp hummocks and sparse stunted spruce in the Hayes Creek valley and on north facing slopes, to birch, poplar, and spruce forest on south and westerly facing slopes. Alder and buck brush is thick along creek banks. A recent forest fire has burned about 75% of the claim area, most of the trees are dead and little undergrowth is present.

The Dawson Range district has a northern interior climate marked by long cold winters and low annual precipitation. Exploration on the property can be performed on a year round basis but is most practical from March to October.

TITLE

The TORO Property consists of 56 mineral claims, as shown in Figure 3 and listed in Table 1. Kodiak has an option agreement with the property owners under the terms of which Kodiak can acquire a 100% interest in the claims by performing exploration and development work, and meeting a payment schedule.

Requirements for the upkeep of mineral claims in the Yukon are detailed in the Yukon Quartz Mining Act regulations. Exploration or mining expenditures of $100 per claim per year or payment of an equal amount in leu of work are necessary for the maintenance of claims. Payments and documents are submitted to the mining recorder at the Whitehorse District office.

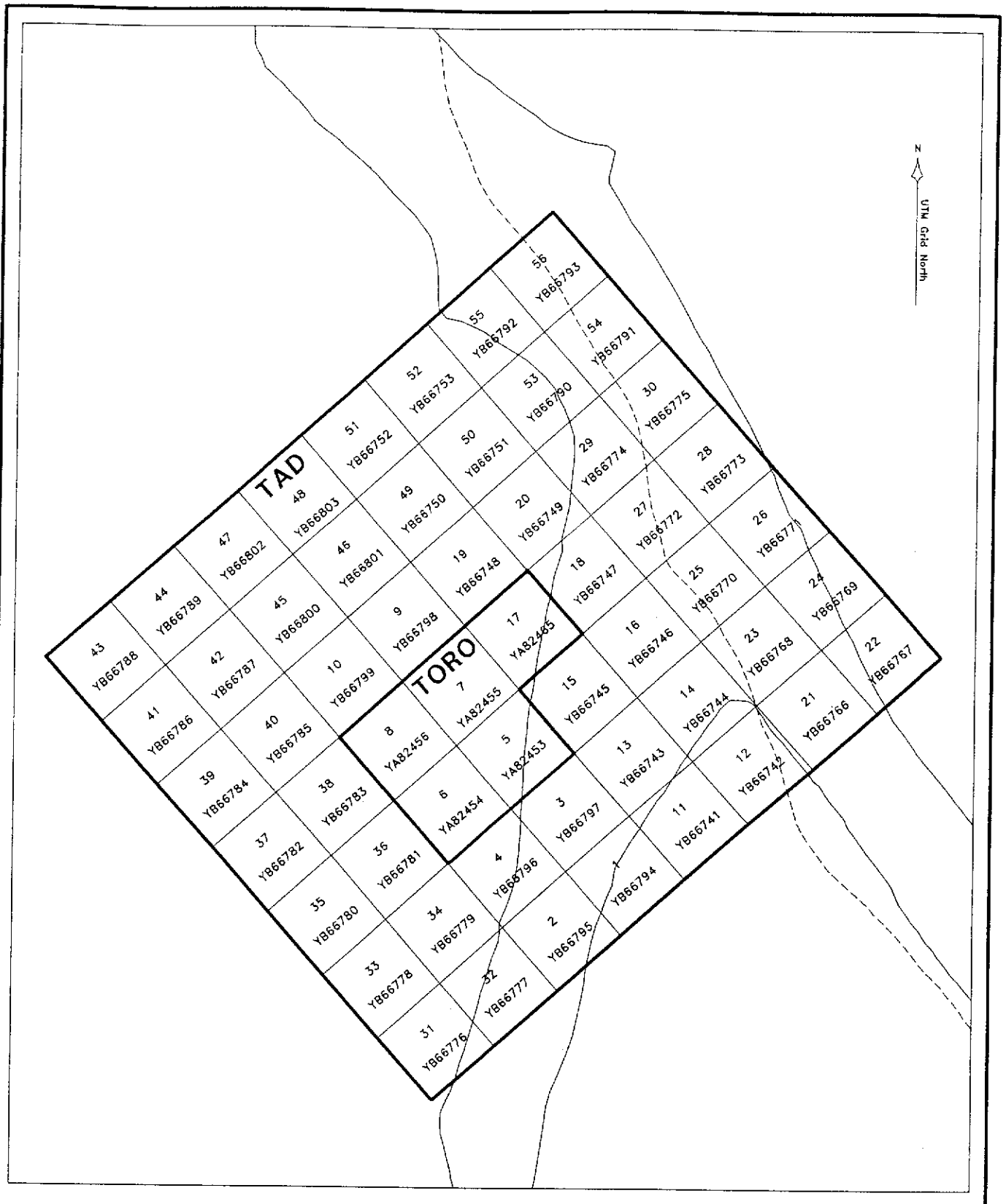
TABLE 1

CLAIM DATA

CLAIM NAME	RECORD NUMBER	EXPIRY DATE (*applied for)	REGISTERED OWNER
TORO 5-8	YA82453-56	18 Sept., 1998	G. Davidson
TORO 17	YA82465	18 Sept., 1998	G. Davidson
TAD 1-4	YB66794-97	*May 7, 1999	B. Harris
TAD 9-10	YB66798-99	*May 7, 1999	B.Harris
TAD 11-16	YB66741-46	*May 7, 1999	R. Stack
TAD 18-20	YB66747-49	*May 7, 1999	R. Stack
TAD 21-30	YB66766-75	*May 7, 1999	G. Davidson
TAD 31-44	YB66776-89	*May 7, 1999	G. Davidson
TAD 45-48	YB66800-803	*May 7, 1999	B. Harris
TAD 49-52	YB66750-753	*May 7, 1999	R. Stack
TAD 53-56	YB66790-793	*May 7, 1999	G. Davidson

ENVIRONMENT

No special environmental concerns are known for this area. The Department of Indian and Northern Affairs is implementing land use regulations (Nov. 1997?) in the Yukon Quartz Mining Act. Under these regulations, approval of a land use permit will be required prior to commencing exploration on a claim group. It is recommended that a Land Use Applications for work programs be submitted at least 90 days prior to mobilization.



LEGEND

- elevation contour interval, (500 feet) — 3500
- stream, creek
- road, trail
- claim group boundary
- claim line

International Kodiak Resources Ltd.

TORO PROPERTY
Claim Location Map

Graham Davidson, Consulting Geologist

SCALE: 1 : 30 000		DATE: 97.04.23
NTS: 115 I/12	DRAWN:	FIGURE 3

REGIONAL GEOLOGY

The Dawson Range is a northwesterly trending range of mountains extending from Mount Freegold into Alaska and is part of the Yukon Crystalline Terrane of the Canadian Cordillera. Plutonic rocks, mainly granodiorite of the Mid-Cretaceous Dawson Range Batholith covers most of the district. The batholith overlies Devono-Mississippian metasedimentary rocks consisting of quartz-mica schist, gneiss and diorite. A series of Late Cretaceous plugs, sills and dikes intrude the older plutonic and metamorphic rocks. The youngest rocks in the district are Carmack's Group volcanic rocks, primarily mafic flows and pyroclastic units. Copper porphyry and gold deposits are found along northwest-southeast bearing faults and fracture zones associated with the younger intrusive events of the Prospector Mountain Plutonic Suite.

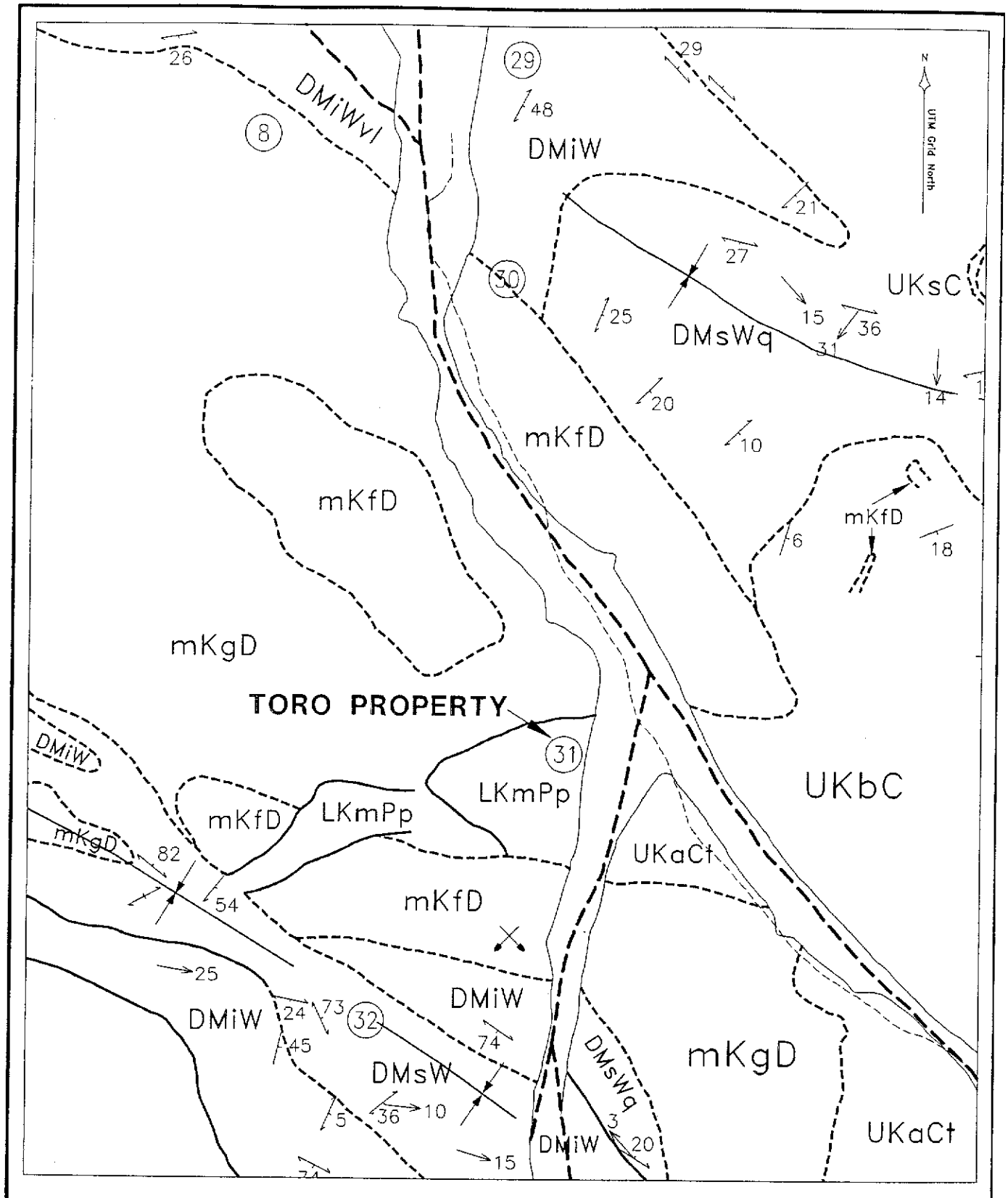
The Big Creek Fault, a northwest-southeast trending fault that in part follows the Hayes Creek valley is a regional structure associated with mineralization at Mount Freegold, Revenue Creek, Prospector Mountain and the TORO.

Placer gold has been mined periodically from Hayes Creek and its tributaries. Gold morphology varies widely with dendritic, crystalline, wiry, angular and rounded gold found in nearly all the drainages. Some dendritic, crystalline and wire gold may have been the result of supergene migration and precipitation. Gold on quartz clasts has been recovered from Apex Creek and appears to be from a bedrock source. The placer concentrate from lower Hayes Creek is rich in galena, sphalerite and other sulphide minerals.

The most recent geological map of the area was compiled by S.T. Johnston of the Yukon Geoscience Office, available in Open File 1995-2(G). Figure 4 shows the geology and the Table of Formations is presented in Table III.

HISTORY

Exploration in the Dawson Range began in 1930's when gold bearing quartz veins and skarns were discovered and developed on Freegold Mountain. Interest in porphyry deposits started in the early 1960's with the discovery of the Casino copper deposit. A staking rush followed and a wide belt of claims covered the district. The Hayes Creek area shows evidence of placer testing from the early 1900's and lode claims were first located in the 1950's at Klines Gulch (10 km downstream of the TORO). The potential for bulk tonnage gold deposits in the oxide zones of porphyry deposits and in breccia bodies formed by the younger intrusive rocks was investigated in Dawson Range rocks starting in 1985. Recent work at Casino has outlined reserves of 125 million tonnes grading 0.3% copper and 0.5 gpt gold.



LEGEND

- elevation contour interval, (500 feet) — 3500
- stream, creek
- road, trail
- claim group boundary
- claim line

International Kodiak Resources Ltd.		
TORO PROPERTY Geology Map		
Graham Davidson, Consulting Geologist		
SCALE: 1 : 75 000		DATE: 97.04.23
NTS: 115 J/9, 1/12	DRAWN:	FIGURE 4

At Hayes Creek, IMS staked 267 claims in 1969-1970 and performed extensive surface exploration including 18 drill holes (2,708 m of core) and expenditures totaled $551,500. The surface work included collecting 6,000 soil samples (Cu-Pb-Zn-Mo), and magnetometer and IP surveys. Fourteen holes were drilled around and west of Hayes Creek on geochemical and geophysical anomalies. Four drill holes targeted potential molybdenum mineralization east of Hayes Creek.

In 1986 Noranda acquired the prospect from prospectors G. Harris, G. Davidson and D. Waugh. Noranda performed grid geochemistry, trenching and diamond drilling (372 meters). Drill core from the IMS program was resplit and assayed for gold. Noranda collected 384 soil samples which were analyzed for Au-Ag-As-Cu-Pb-Zn. Noranda also collected 64 overburden samples from trenches and 130 drill core and rock samples. The Noranda work identified gold-silver-arsenic geochemical anomalies in brecciated rocks associated with the younger porphyry intrusion. Four drill holes on geochemical and geophysical targets intersected variably altered quartz monzonite porphyry and breccia. Gold values were anomalous but not economic. Noranda geologists concluded that the drill sites were downslope of the strongest soil geochemical anomalies.

Resampling of the oxide zone in the IMS core by Noranda identified three significant sections of gold and silver mineralization.

TABLE II

SIGNIFICANT DRILL RESULTS

Drill Hole	Depth (Ft)	Width (Ft(M))	Au (gpt)	Ag (gpt)
T-2	163-190	27(8.2)	1.03	12.3
T-12	146-162	16(4.9)	1.23	7.5
T-14	63-86	23(7.0)	1.75	12.0

EXPLORATION PROGRAM- 1996

In 1996, Nicholson & Associates performed a geochemical and geophysical exploration program from July 12 to Sept.5 1996. A 2-3 man crew based at the old TORO camp on Hayes Creek established 10 kilometers of flag-line grid and performed magnetometer and VLF-EM geophysical surveys, soil geochemistry and geological mapping on the grid area (see Figure 5). Grid lines were established from 50 meter centres from an east-west baseline 900 meters long. Soil samples were collected at 25 meter intervals from the B horizon soil layer using hand augers. The geophysical surveys were performed with EDA field and base station instruments by D. Cossgrove. The following personnel were involved in the work program:

George Nicholson (Supervision and Geology)
Graham Davidson (Geology)
Dan Cosgrove (Field Technicion)
Tim Woods (Senior Field Technicion)

PROPERTY GEOLOGY

The TORO property rock types are described as follows:

DEVONO-MISSISSIPPIAN
Wolverine Creek Metamorphic Complex-metaigneous and metasedimentary schist and gneiss consisiting of quartz biotite schist, hornblende schist, gneissic equivalents, quartzite and minor limestone. The primary foliation trends northwest-southeast.

MID-CRETACEOUS
Dawson Range Batholith, quartz-hornblende-biotite granitic rocks

LATE CRETACEOUS
Prospector Mountain Plutonic Suite, quartz monzonite stocks, felsic dykes and breccias. Quartz monzonite porphyry and biotite granite porphyry intrude the older intrusive and metamorphic rocks on the claims. Typically fresh specimens are pale gray in colour with abundant biotite. Some brecciation of the porphyry was noted in drill core.

Carmacks Group, basalt, porphyry and breccia outcrop on the north side of the Hayes Creek valley. The rocks weather brown to reddish brown and overlie granitic rocks. Variable in composition from olivine rich to feldspathic.

A more detailed description of the regional rock units starts with the oldest rocks in the map area, the Wolverine Creek Metamorphics composed of metamorphic units of Early Palaeozoic age, part of the Yukon-Tanana Terrane. The metamorphic lithologies consisted of rocks of sedimentary, volcanic and lesser plutonic origin. Regional tectonic metamorphism altered these lithologies during the Late Ordovician to Middle Jurassic time to quartz-mica schist, gneiss, and metasedimentary units. The thin units display a strong and generally consistent, parallel lineation that closely parallels their original bedding. During the Early Jurassic period, a major structural event of arc-continent collision created a strong northwest (NW) structural orientation as well as stress related high angle shear and extensional fractures in the northeast (NE) direction

In Early Jurassic to Triassic time, the metamorphic rocks were intruded by granitic rocks of the Minto Plutonic Suite then the large Dawson Range Batholith in the Cretaceous and later the Prospector Mountain Plutonic Suite. Finally felsic dykes and volcanics of the Carmacks Group intrude and overlie the older rocks.

The Early Cretaceous granitic rocks of the Dawson Range Batholith consist of granodiorite and quartz diorite, biotite-hornblende rich units which are medium to coarse grained with equigranular texture. In the Hayes Creek area the batholith is biotite rich, leucocratic quartz monzonite and granite. The NW trending Big Creek fault system caused a strong northwest structural orientation in some of the granites. Bodies of Late Cretaceous quartz monzonite and latite porphyry breccias of the Prospector Mountain Suite intrude the Dawson Range Batholith at the TORO property. Intense argillic and propylitic alteration zones in these intrusions host the auriferous oxide breccia zones.

The Carmacks Group volcanics and dykes were emplaced after the granitic units possibly as the volcanic componenet of the Prospector Mountain Plutonic Suite. The source pluton caused local uplift and doming of the Dawson Range granodiorite allowing a greater rate of erosion. The Carmacks Group volcanics consist mainly of mafic flows and tuffs with local andesite to latite breccia, subvolcanic dykes and sills intruded extensively into the local monzonitic bodies.

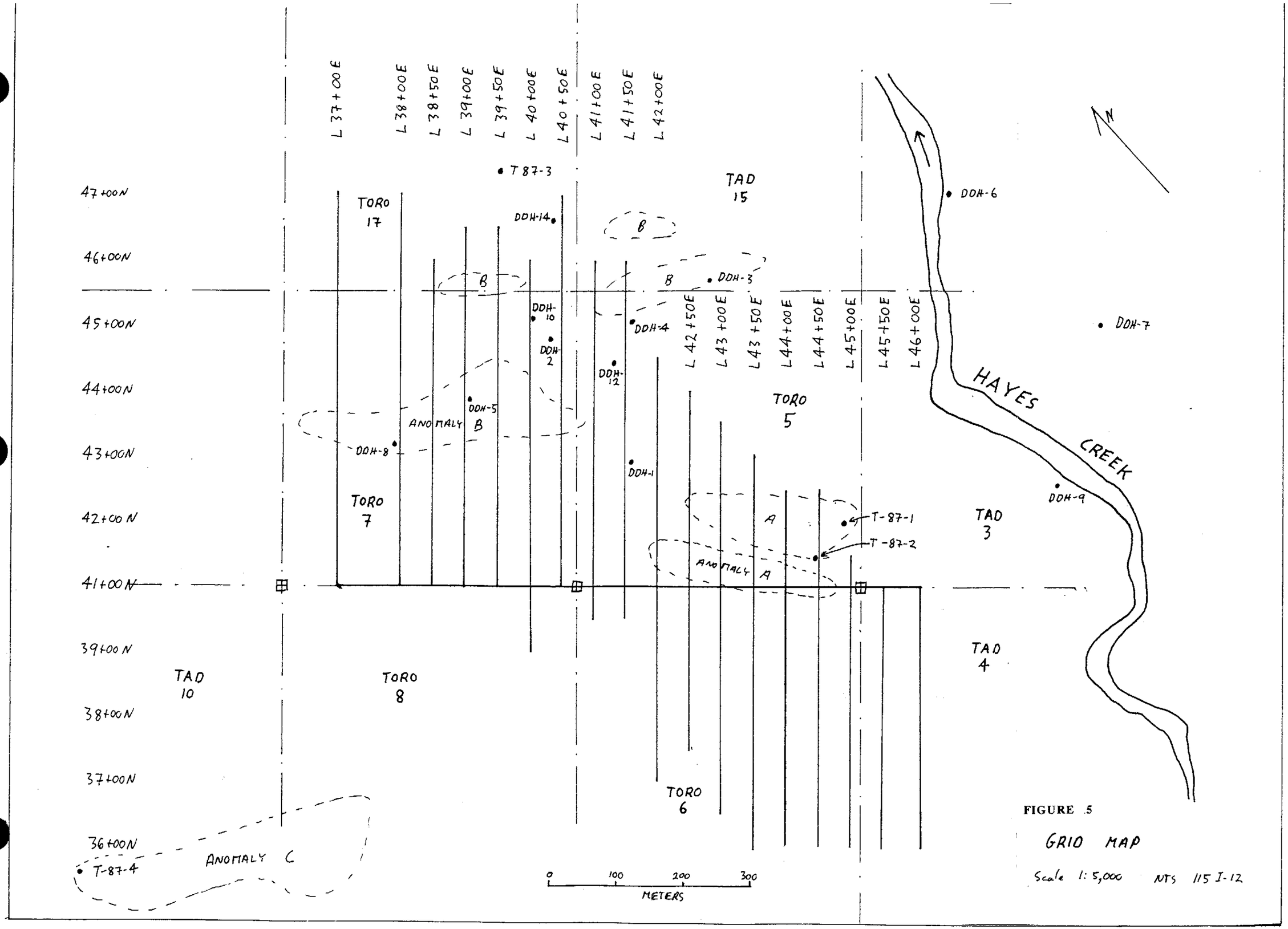


FIGURE .5

GRID MAP

Scale 1: 5,000 NTS 115 I-12

TABLE III
TABLE OF FORMATIONS

CRETACEOUS to TERTIARY

Carmacks Group (Mount Nansen Group)
UKC -undifferentiated mafic to intermediate volcanics with less felsic volcanic plugs and dykes, andesite dykes
This unit consists of mafic flows and agglomerates, dark green andesite and andesite stockwork and minor fine-grained flow banded rhyolite and fine-grained pink felsite to felsite stockwork. The felsic dykes are associated with stockwork mineralization at the Antoniuk deposit, Mount Nansen and Freegold Mountain.

UKIC & UKsC, Black sediments and volcanics; mainly graphitic siltstone (UKsC) with very minor silty sandstone; intercalated with and intruded by a number of highly altered porphyritic volcanic bodies (UKIC) composed of quartz and feldspar phenocrysts in a muscovite matrix. In places sericite mats replace the feldspar. The graphitic siltstone contains terrestrial fossils including grasses, stems, twigs and leaves. This unit hosts auriferous quartz veins at Caribou Creek.

LATE CRETACEOUS TO TERTIARY

Prospector Mountain and Mount Freegold Meta-Plutonic Suite
LKmPp, pink feldspar porphyry and andesite to latite dykes and breccia.

EARLY CRETACEOUS

Dawson Range Batholith
mKgD, Casino Granodiorite

DEVONO-MISSISSIPPIAN

Wolverine Creek Metamorphic Suite
DMiW, Quartz biotite schist and gneiss with some magnetite and goethite skarn

STRUCTURE

Structural events in Jurassic time consisted of arc-continent collision. The principal stress direction was southeast-northwest (130-150°) which created dextral (right-hand) transcurrent faulting. The Tintina Fault is a prominent NW structure of regional proportions located one-hundred and fifty kilometres northeast of the Hayes Creek area and the Denali Fault located 75 kilometers west of Hayes Creek marks the western margin of the Yukon Tanana Terrane. The Tintina Fault has been interpreted to have moved as much as 450 kilometres in a right-lateral, strike-slip displacement. The Big Creek Fault is also a NW trending structure which has been interpreted as displaying a similar right-lateral faulting with up to 14 kilometres of displacement. The Big Creek fault zone trends along the Hayes Creek valley but is not exposed due to overburden. Multiple, parallel NW striking fault zones are found throughout the Dawson Range.

Intrusion of the Prospector Mountain Suite occurred along the NW faults causing local uplift and collapse features. Porphyry style mineralization (Cu-Mo) occurs in a quartz monzonite stock on the TORO property. During the intrusiion, both porphyry dykes and later stage mesothermal and epithermal quartz veins and breccias infilled many of these NW faults. Continued fault movements are evidenced by slickenslides and brecciation found within many veins and porphyry dykes.

Epithermal mineralization is a very late stage event within the porphyry system and appears to have been emplaced in breccia zones and along faults. The epithermal veins in fault zones generally display only small shearing features from the continued lateral tectonic movements.

Three structural orientations with varying degrees of lateral displacement are interpreted:

1) 130-150° The dominant SE-NW structural trend on the property consistant with the Big Creek Fault zone.

2) 020° A secondary structural trend primarily as splays of the main NW features. Mineralized quartz veins occur in this trend although they are discontinuous and narrow.

3) 040° A third regional trend expressed as minor faults, fractures and joints.

MINERALIZATION

Mineralization has been oxidized to depths of up to 80 meters. The gold bearing oxide zone lies in brecciated and intensely altered porphyry. Strong manganese staining and limonite is present with higher gold grades. A narrow supergene zone sometimes lies above the hypogene zone. The best target for gold mineralization is the oxidized breccias and alteration zones in the quartz monzonite porphyry. Sulphide mineralization consists of up to 10 % pyrite disseminated in the porphyry and narrow sphalerite, galena and arsenopyrite bearing quartz veins present along shear zones. Three primary mineralization types are recognised:

1) Porphyry Cu-Mo: The focus of exploration in the early 1970's in the Dawson Range, porphyry mineralization known as the TAD occurrence was explored by geochemistry, geophysical surveys and drilling intersecting lenses grading 0.6% Cu and 0.06% MoS_2 . Average grades in the hypogene zone were lower, determined at 0.12% Cu and 0.01 % MoS_2 with approximately double the grade in the supergene enrichment zone at about 65 meters of depth. The best copper grades were associated with minor potassic alteration in a broader phyllic altered zone in quartz monzonite porphyry stocks and breccia.

2) Peripheral Porphyry: Located on the periphery of the main TAD porphyry body, low grade gold-pyrite-arsenopyrite mineralization is hosted by sericite-phyllic alteration zones in porphyry stocks, breccia zones and NW fault zones. Gold bearing zones follow the NW structural trend and epithermal veins and gold-pyrite bearing argillic to phyllic alteration zones intermix. Host rocks include breccias, porphyry dykes and quartz monzonite to latite bodies.

3) Epithermal and Mesothermal Veins: The primary NW trend and the secondary NE structures have the potential to host quartz veins that are often parallel to porphyry dykes. Near surface these veins are moderately to completely oxidized. Precious metal and quartz content tend to increase with sulphide content and depth. The Mount Nansen deposits are primarily this style of mineralization described as zones of multiple quartz veins and lenses along a NW trend. At Silver Tusk a mesothermal quartz vein contains massive galena and sphalerite in silver rich ore shoots. The strong silver, lead and zinc geochemistry at the TORO appears to be caused by numerous narrow quartz sulphide veins occurring in shear zones like those at Silver Tusk. Two prominant northeast trending linears marked on Figure 6 may host mesothermal quartz veins.

GEOCHEMISTRY-GENERAL

The original geochemical surveys on the TORO by IMS in 1969-70 outlined a broad multi-element anomaly over the central portion of the quartz monzonite plug. Zinc and lead produced the strongest response with weaker copper, silver and molybdenum values. Two primary anomalies and several smaller zones are delineated by the IMS geochemistry. The IMS data is presented in Appendix I in plots for Pb-Zn-Cu.

Noranda performed soil sampling in 1986-87 on a much smaller grid and found gold-silver-arsenic anomalies. The Noranda As-Au-Ag geochemical data is also part of Appendix I.

The expected geochemical signatures for each type of mineralization are:

PORPHYRY-broad copper, molybdenum, lead and zinc anomalies with strong anomalies over the core of the porphyry mineralization. Low to background precious metal values. Moderate to low arsenic and antimony values.

PERIPHERAL PORPHYRY-weak to moderate responses in all elements over fairly wide areas with high precious metal values over significant mineralization.

EPITHERMAL VEINS-narrow and spotty responses with spot high gold, silver and arsenic anomalies. Weakly anomalous lead, zinc and antimony values.

MESOTHERMAL VEINS- narrow and spotty gold values with moderate to strong linear lead, zinc and silver anomalies.

GEOCHEMISTRY-1996

Like earlier IMS and Noranda soil surveys the Kodiak sampling located strong geochemical responses (see Figures 6-9, in pocket). The more detailed Kodiak sampling has defined several good gold anomalies that have a moderate correlation with anomalous values in Ag-Pb-Zn-As-Cd. The strongest gold anomaly (Anomaly A) is centered at L43+50E 42+00N and is divided into two parallel bands that may indicate downslope dispersion from the source. Geochemical anomalies in Zn, Pb & Ag are also present. The IMS geophysical surveys outlined a moderate to strong chargeability anomaly and a magnetic low coincident and slightly upslope of the gold anomaly. Noranda drill hole T-87-2 drilled 75 meters east of this anomaly at the base of the slope intersected a porphyry breccia that carried peak gold values of 780 and 200 ppb over 2 m sections.

Patchy anomalous gold values in the northern portion of the grid have a peak value of 620 ppb and are somewhat coincidental with a strong Ag, Pb, Zn & As response (Anomaly B) centered at L39+50E 44+00N. The magnetics are fairly uniform in this area but there is a moderate strength chargeability anomaly. Several IMS drill holes, including T-2 & T-14 which host gold mineralization in an intensely altered and brecciated porphyry containing limonite and heavy manganese staining were drilled in this anomaly. The strong Ag-Pb-Zn-As response is caused by numerous small sulphide bearing quartz veins present in the porphyry.

A third significant geochemical anomaly (Anomaly C) identified by the IMS work but not covered by Kodiak is located at grid 36+00E 37+00N. Strong Ag, Pb & Zn values in a northwest southeast orientation are coincident with a strong chargeability anomaly and a magnetic low. Noranda drilled one hole on the western and downslope edge of this anomaly. It failed to intersect any mineralization but it appears to be downhill of the geophysical and geochemical response.

GEOPHYSICAL SURVEYS-GENERAL

The GSC flew the Hayes Creek area in a radiometrics, magneometer and VLF-EM survey in 1994. The broad coverage survey had flight lines spaced 1 kilometer apart. The property shows an eThorium/Potassium anomaly, a high magnetic gradient, a magnetic dipole, and VLF total field anomalies (see Appendix I, Figures 10-13) of similar parametters to those at the Casino Cu-Au porphyry deposit.

IMS completed ground magnetometer and IP surveys in 1969-1970 on the Toro. The magnetometer survey outlined three areas of highly variable magnetic relief that overlie the older biotite granite porphyry. Magnetite content is patchy in the granite causing the high magnetic gradient. The younger quartz monzonite porphyry bodies feature low magnetic relief. Breccia and alteration zones on the margins of the monzonite porphyry are marked by magnetic lows. The magnetic lows corelate moderately well with geochemical Anomalies A & C, while a magnetic low 200 meters west of Anomaly B may be significant. Posssible linear features are indicated by the magnetic contours. They have a 105-110 (ESE) trend and a 045-060 (NE) trend.

The IMS IP survey outlined four chargeability highs of which "zone 1" was by far the most extensive response covering the central portion of the grid. Three distinct chargeability highs are present within zone 1 and these highs are somewhat coincidental with the geochemical anomalies. Several drill holes on the IP chargeability highs intersected monzonite porphyry containing silicified and fractured shears with 1-10% pyrite. Pyrite content was highest in the more intensley fractured and altered zones.

The magnetic and IP responses over mineralization at Hayes Creek include:

1) Magnetic lows and IP chargeability highs over zones of alteration, fracturing and oxidation which may host gold and silver mineralization in breccias and quartz veins.

2) Resistivity lows in areas of oxidation and fracturing and over sulphide mineralization at depth.

3) Chargeability highs over unoxidized sulphides in vein zones or porphyry dykes.

4) VLF-EM conductors and linear magnetic lows over epithermal or mesothermal quartz veins in vein-faults.

GEOPHYSICAL SURVEYS-1996

Geophysical data collected by Nicholson & Assoc. has not been provided to the writer for inclusion in this report.

DRILLING

IMS completed 15 drill holes and Noranda completed 4 drill holes targeting the IP and geochemical anomalies. Noranda re-analysed the IMS core for gold mineralization and were primarily interested in the oxide zone. Gold was found to be most concentrated about 3/4 of the way through the oxide horizon in areas of intense argillic and/or sericitic alteration. The best values were in IMS holes T-2, T-12 & T-14 which had 6-8 meter intersections of 1.1-2.0 gpt gold.

GEOLOGICAL TARGET

The TORO property is considered prospective for oxide breccia gold deposits of the Casino-Revenue Creek style and for gold bearing porphyry copper-molybdenum deposits similar to Casino. The TORO property is located 50 km southeast of the Casino property and 60 km west of the Revenue property. The TORO property is in an active placer mining district underlain by Mesozoic to Cenozoic plutonic rocks intruding Paleozoic metasedimentary rock. The area has a strong northwest-southeast fault zone with parallel and cross-cutting quartz veins and fractures, and structurally controlled mineralization.

DISCUSSION & RECOMMENDATIONS

The focus of the early work on the TORO property was for porphyry copper style mineralization. In the 1980's Noranda examined the bulk tonnage potential for structurally controlled gold deposits. Noranda performed a brief program on the TORO which located a promising gold bearing oxide breccia zone however they had poor drill results in four widely spaced holes and then left the property target. The 1996 geochemical sampling by Kodiak has defined several soil anomalies which are coincidental with IMS and Noranda geochemical and geophysical responses. The detailed soil grid provides several drill targets which are located upslope of earlier drill holes.

Soil Anomaly A is coincidental with a magnetic low and moderate chargeability respnse. Drill holes T 87-1 & 2 were drilled downslope of the core of this anomaly and T 87-2 intersected anomalous gold values in the oxide zone. A drill site 100 meters southwest of T 87-2 is proposed.

Soil Anomaly B is an intense Ag-Pb-Zn-As anomaly with patchy gold values. A moderate to strong chargeability response but fairly uniform magnetics suggests that quartz sulphide veins cause the Ag-Pb-Zn anomaly but gold values have been intersected in a limonitic and manganese stained breccia in drill holes T-2, T-12 & T-14. The breccia horizon is the best target on the property and should be drilled from several sites around the earlier drill holes. Also a magnetic low located 250 meters to the west is suggested as a drill target.

The IMS data identified a strong Ag-Pb-Zn feature (Anomaly C) in a moderate chargeability zone and a coincidental magnetic low. Drill hole T 87-4 tested the downhill edge of the anomaly but is at least 200 meters downslope of its center. A drill site approximately 200 meters east of T-87-4 is recommended. Prior to proceeding with a drill program the Kodiak grid should be expanded to cover Anomalies B & C with detailed soil geochemistry and a magnetometer survey performed over the entire grid. Nodwell or cat mounted auger drilling is suggested as a method of sampling the C horizon and subcrop beneth the overburden. Auger drilling of the magnetic lows and geochemical anomalies is an alternative to the more expensive diamond drilling. The following budget is proposed:

Grid development - 40 km cut line		$20,000
Sample Analyses	trench and grid area - 500 samples	15,000
	contour lines and ridge tops - 250 samples	7,500
Geophysical surveys - 40 km magnetometer and VLF		10,000
Geological mapping and sampling - 30 mandays		10,000
Assistant - 30 mandays		7,500
Drilling -1,000 m		100,000
Camp - 250 mandays		25,000
Transportation - mobilize and demobilize		20,000
Contingency - ~10%		25,000
	Total Budget	**$240,000**

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Waugh, D. 1970, Property Report on the Tad Claim Group for International Mine Services

Yukon Minfile, Standard Report, NTS 115 I-12, DIAND

Templeman-Kluit, 1973, GSC Paper 73-41

TORO-STATEMENT OF COSTS

Period: July 1-September 15, 1996

Personnel:	
Project Supervisor, George Nicholson	
Geologist, Graham Davidson	600.00
Grid lines & soil samplers Tim Woods, 20 days @ $325/day	6,500.00
Dan Cosgrove, 20 days @ $300/day	6,000.00
Total Wages	**$13,100.00**
Transportation: Helicopter, Trans North Air Ltd., 10.2hrs.	8,565.20
Truck and Fuel	1,700.00
Total Transport	**$10,265.20**
Geophysical Rental:	
Supplies and Camp Costs: 40 days @ $75/day	3,000.00
Communications:	300.00
Total Camp	**$3,300.00**
Analytical services: IPL Ltd.	8,868.69
Report and drafting:	2,750.00
SUB TOTAL	$38,283.89
10% Management Fee	3,716.11
TOTAL	**$42,000.00**

CERTIFICATE

I, GRAHAM DAVIDSON, of 1 Boswell Cr., Whitehorse, Yukon, Y1A 4T2, HEREBY CERTIFY:

1. That I am a consulting geologist and that I reviewed published and private reports and maps on the TORO property provided by Mr. Nicholson and that I worked on the subject property in 1996.

2. That I am a graduate of the University of Western Ontario (H. BSc., Geology, 1981).

3. That I am registered as a Professional Geologist by the Association of Professional Engineers, Geologists and Geophysicists of Alberta (No.42038).

4. That I have been engaged in mineral exploration for fourteen years in the Yukon & Northwest Territories and British Columbia.

5. I hereby grant my permission to International Kodiak to use this report for any legal purposes normal to the business of the company.

SIGNED at Whitehorse, Yukon, this 2nd day of November, 1997.

G. S. DAVIDSON, P. Geol.

APPENDIX I

FIGURES 10-19

FIGURE 10
MAGNETIC VERTICAL GRADIENT
TORO PROPERTY

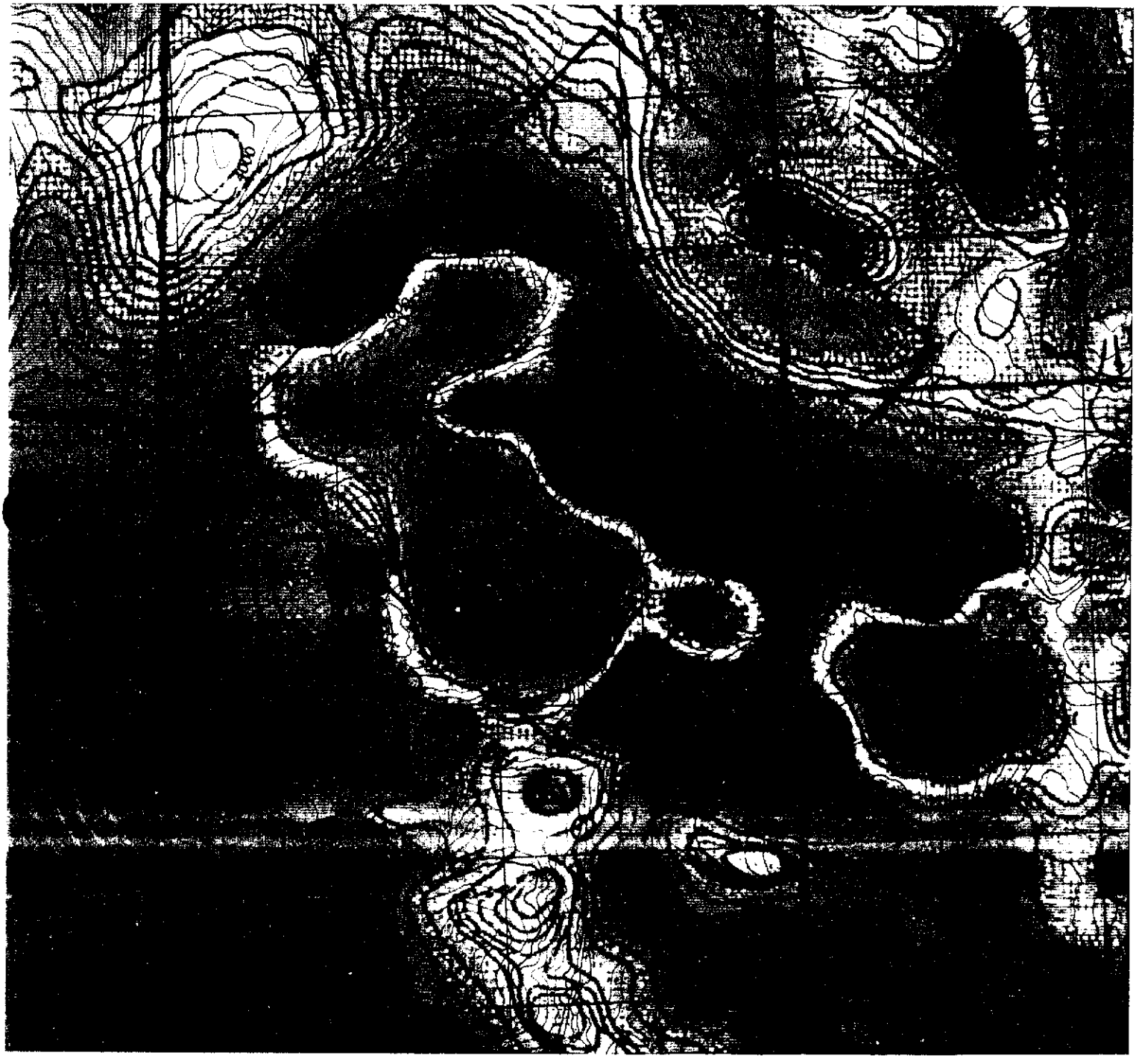


FIGURE 11
MAGNETIC TOTAL FIELD
TORO PROPERTY

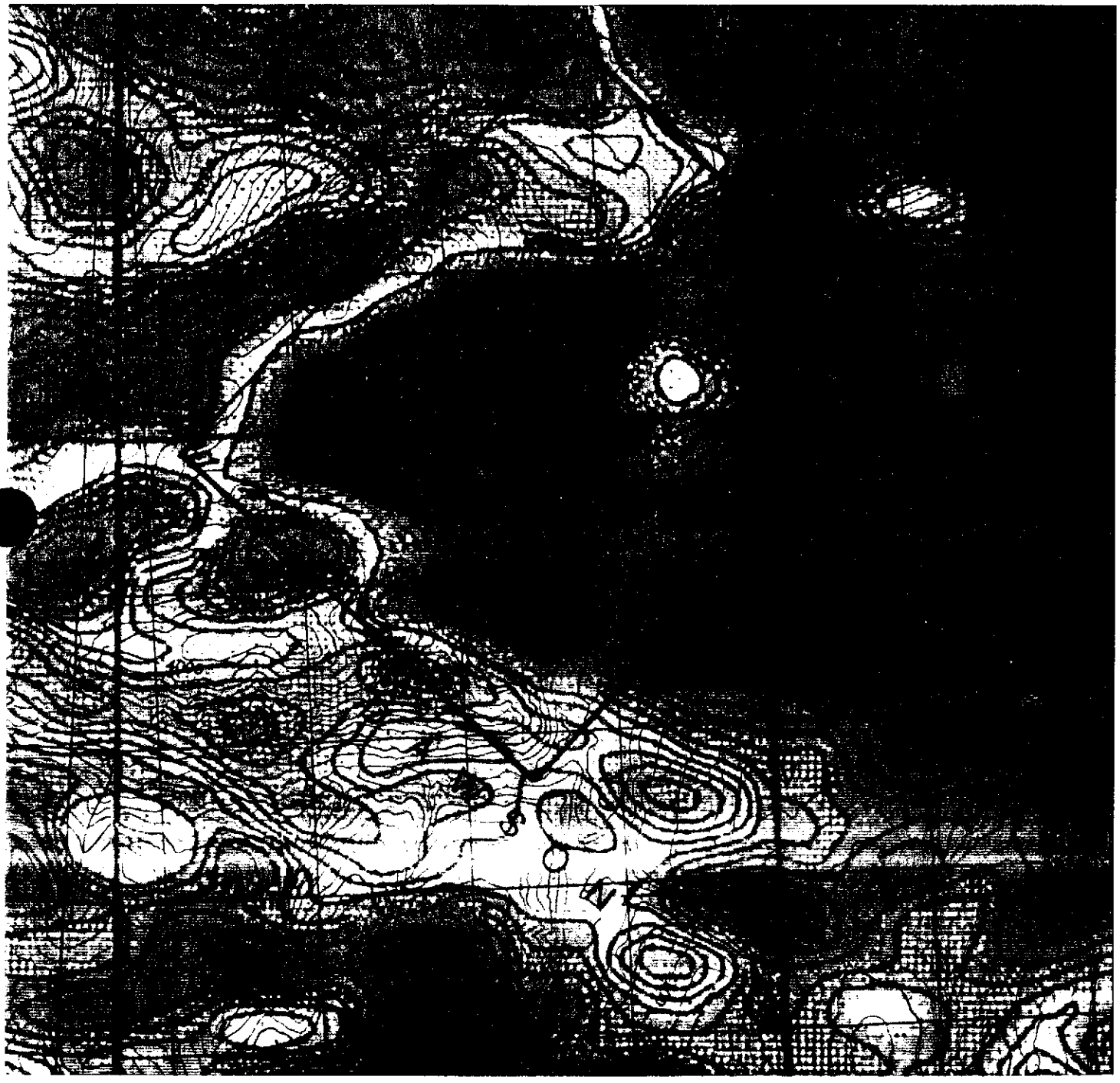


FIGURE 12
ETHORIUM/POTASSIUM
TORO PROPERTY

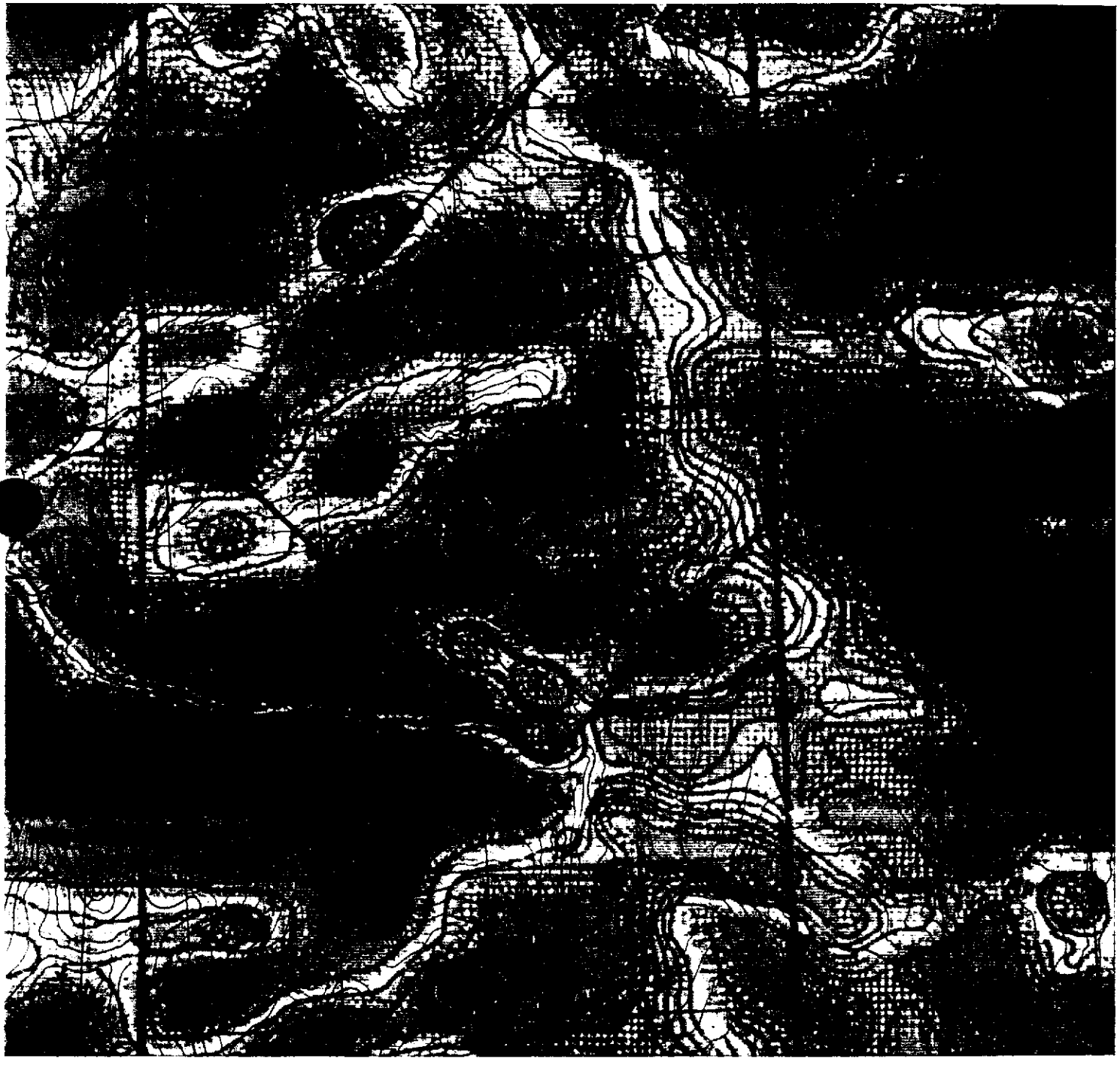
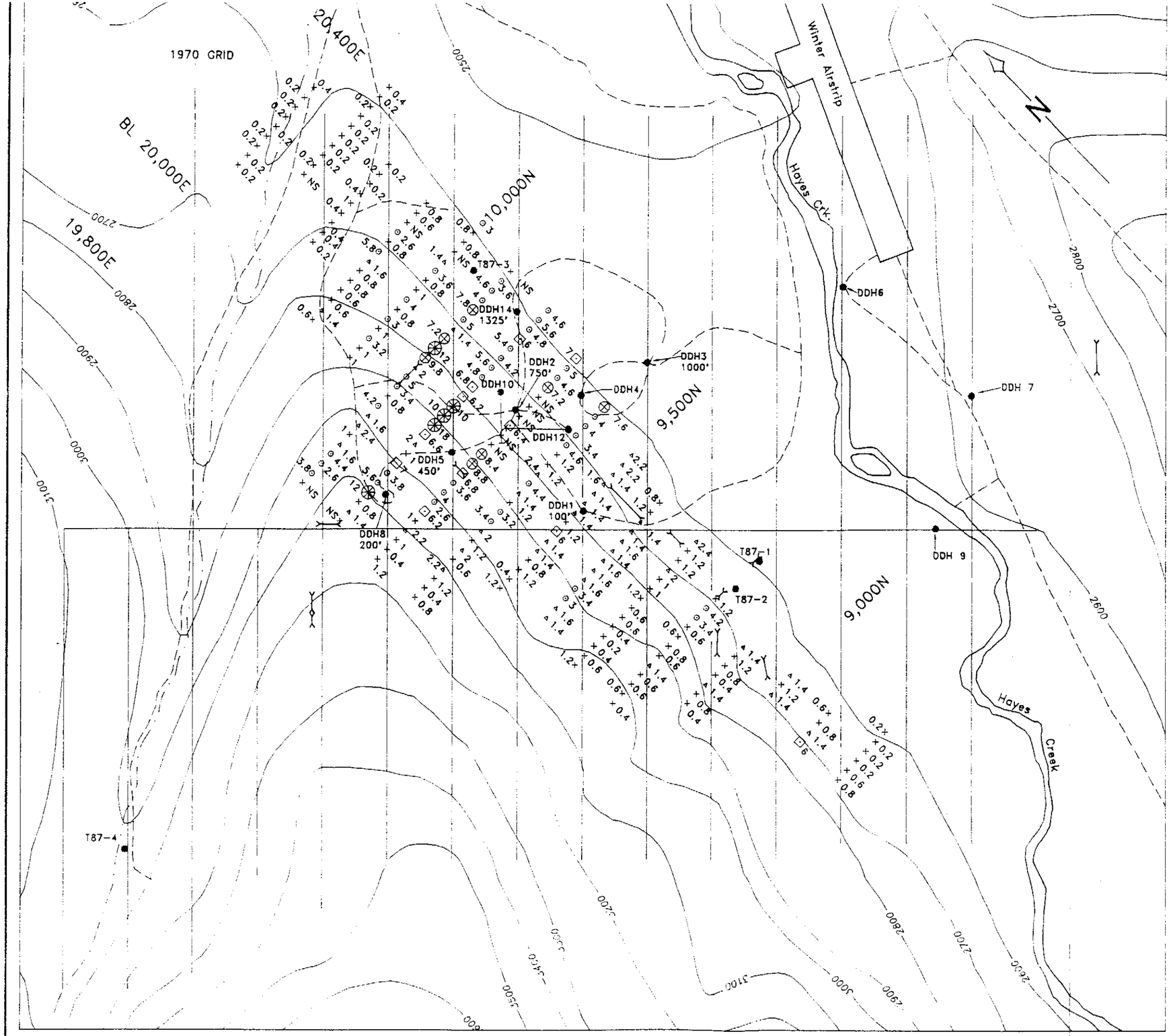


FIGURE 13
VLF TOTAL FIELD
TORO PROPERTY



3500 — elevation contour interval (100 feet)

stream, creek

4-wheel drive road

bulldozer trench

●DDH8 200' — diamond drill hole, depth

x1.2 — soil sample location, Ag-ppm (see other symbols below)

SILVER GEOCHEMISTRY

PPM		PERCENTILE
18.0	⊛	MAXIMUM
9.97	⊕	98
7.2	⊡	95
6.0	⊙	90
2.6	△	70
1.4	×	50
0.2		MINIMUM

Number of Samples – 208
NS – no sample taken

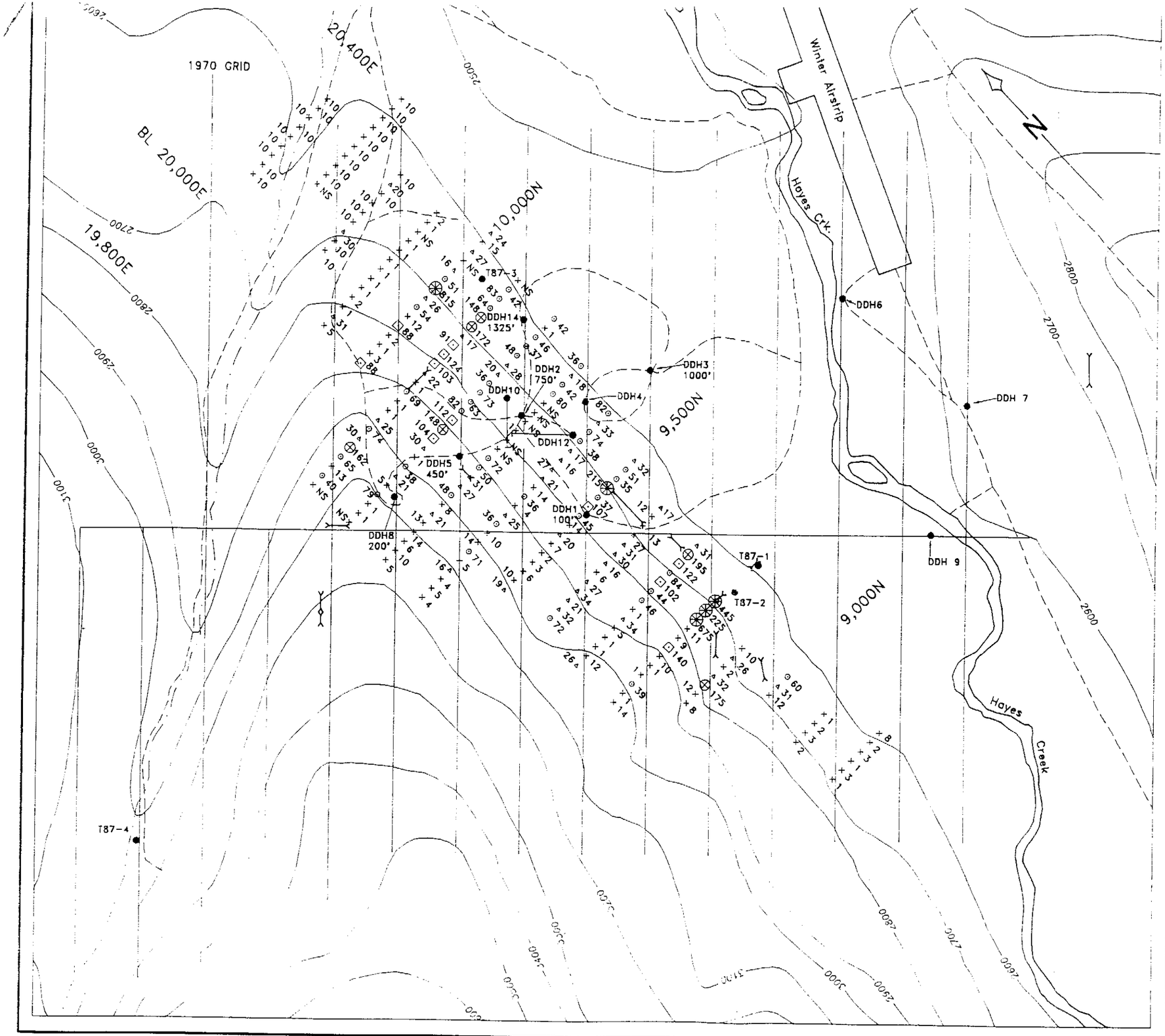
0 100 200 300 400 500
METRES

TORO PROJECT

1987 Grid
Soil Geochemistry
Silver - ppm

Graham Davidson, Consulting Geologist

SCALE: 1 : 7 500		DATE: April 1994
N.T.S.: 115 I/12	DRAWN: R.S.	FIGURE 15



LEGEND

- 3500 — elevation contour interval (100 feet)
- stream, creek
- 4-wheel drive road
- bulldozer trench
- ●DDH8 200' — diamond drill hole, depth
- x10 — soil sample location, Au-ppb (see other symbols below)

GOLD GEOCHEMISTRY

PPM		PERCENTILE
815	⊛	MAXIMUM
212	⊕	98
145	⊡	95
88	⊙	90
35	▵	70
16	×	50
1		MINIMUM

Number of Samples - 208
NS - no sample taken

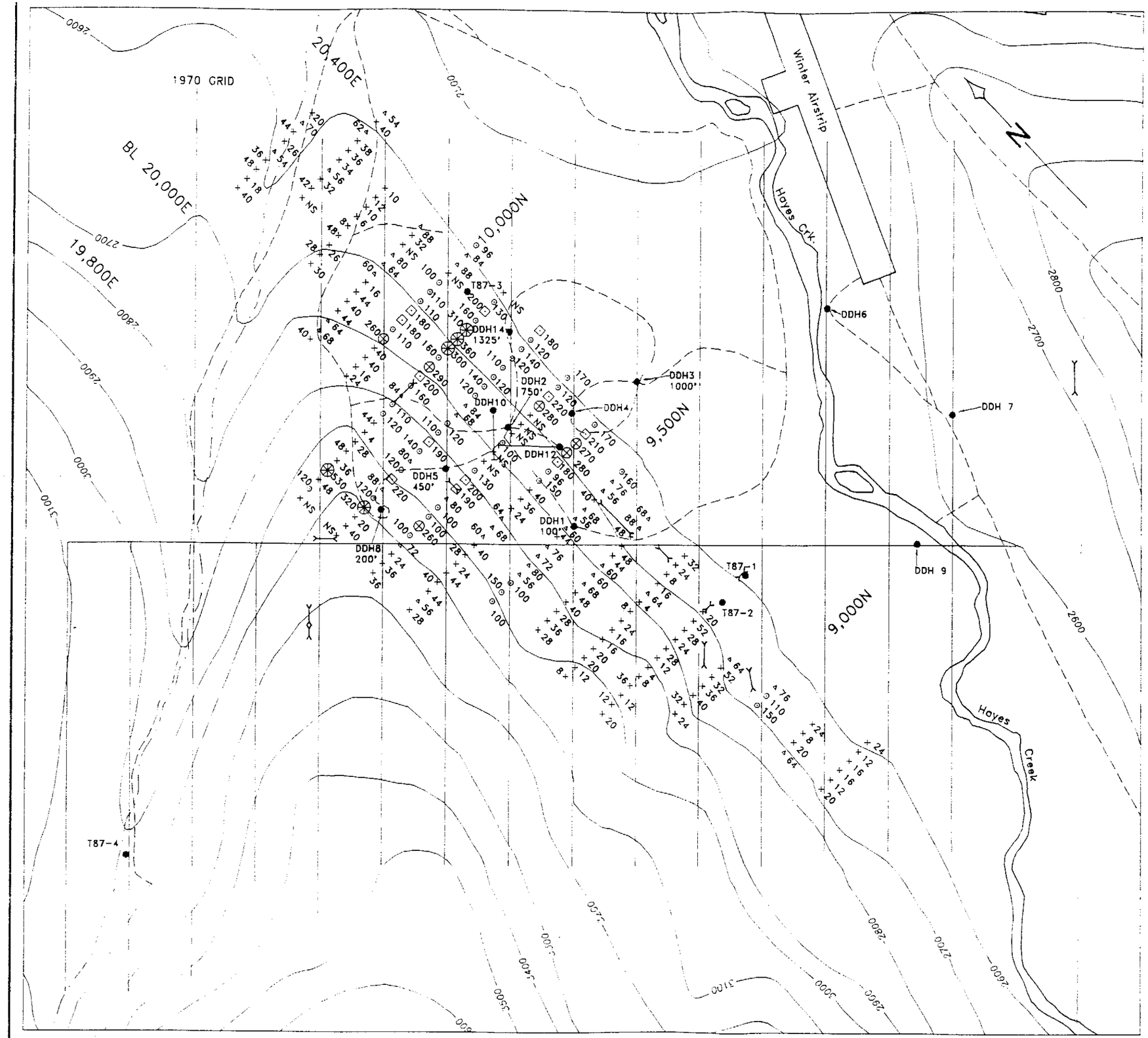
0 100 200 300 400 500
METRES

TORO PROJECT

1987 Grid
Soil Geochemistry
Gold - ppb

Graham Davidson, Consulting Geologist

SCALE: 1 : 7 500		DATE: April 1994
N.T.S.: 115 I/12	DRAWN: R.S.	FIGURE 14



LEGEND

- 3500 — elevation contour interval (100 feet)
- stream, creek
- 4-wheel drive road
- bulldozer trench
- ●DDH8 200' — diamond drill hole, depth
- x10 — soil sample location, As-ppm (see other symbols below)

ARSENIC GEOCHEMISTRY

PPM		PERCENTILE
530	⊛	MAXIMUM
299	⊕	98
246	⊡	95
180	⊙	90
95	▵	70
54	×	50
4		MINIMUM

Number of Samples – 208
NS – no sample taken

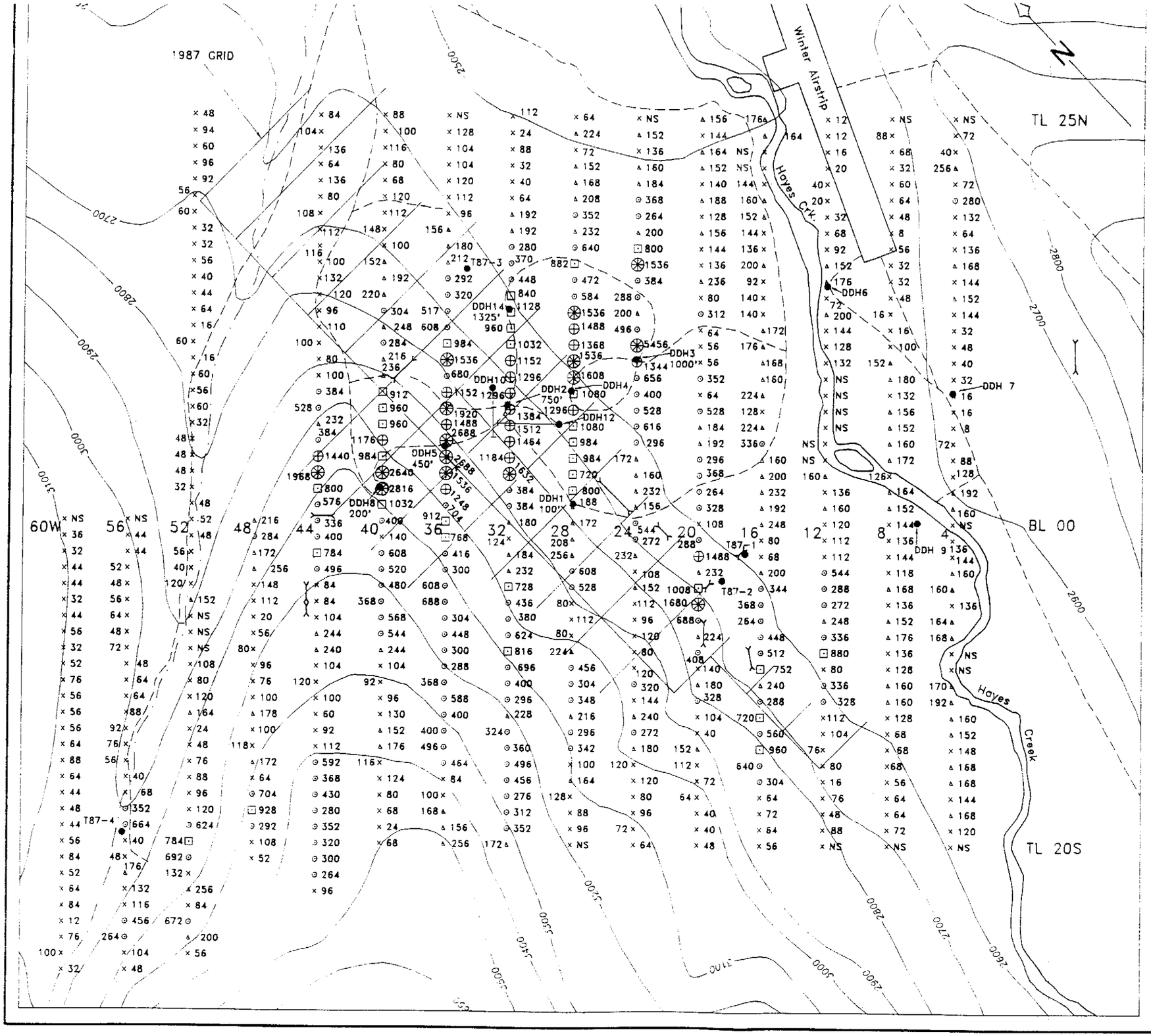
0 100 200 300 400 500
METRES

TORO PROJECT

1987 Grid
Soil Geochemistry
Arsenic - ppm

Graham Davidson, Consulting Geologist

SCALE: 1 : 7 500		DATE: April 1994
N.T.S.: 115 I/12	DRAWN: R.S.	FIGURE 16



LEGEND

- 3500 — elevation contour interval (100 feet)
- stream, creek
- 4-wheel drive road
- bulldozer trench
- ●DDH8 200' — diamond drill hole, depth
- ×10 — soil sample location, Zn-ppm (see other symbols below)

ZINC GEOCHEMISTRY

PPM		PERCENTILE
5456	⊛	MAXIMUM
1536	⊕	98
1152	⊡	95
720	⊙	90
264	▵	70
152	×	50
8		MINIMUM

Number of Samples – 618
NS – no sample taken

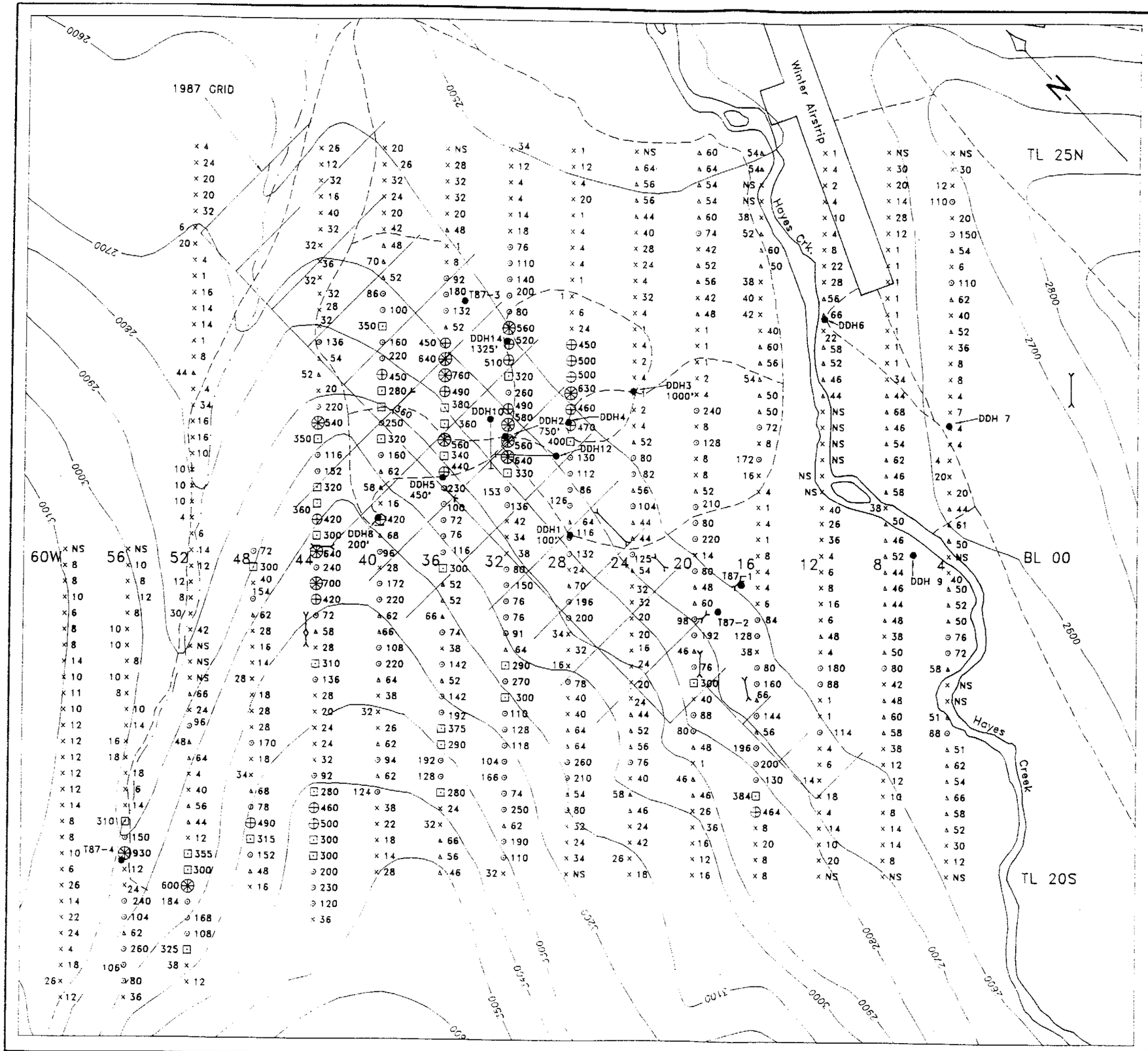
0 100 200 300 400 500
METRES

TORO PROJECT

1970 Grid
Soil Geochemistry
Zinc - ppm

Graham Davidson, Consulting Geologist

SCALE: 1 : 7 500		DATE: April 1994
N.T.S.: 115 I/12	DRAWN: R.S.	FIGURE 17



LEGEND

- 3500 — elevation contour interval (100 feet)
- stream, creek
- 4-wheel drive road
- bulldozer trench
- ●DDH8 200' — diamond drill hole, depth
- ×10 — soil sample location, Pb-ppm (see other symbols below)

LEAD GEOCHEMISTRY

PPM		PERCENTILE
930	⊛	MAXIMUM
533	⊕	98
420	⊡	95
280	⊙	90
72	▵	70
44	×	50
1		MINIMUM

Number of Samples - 618
NS - no sample taken

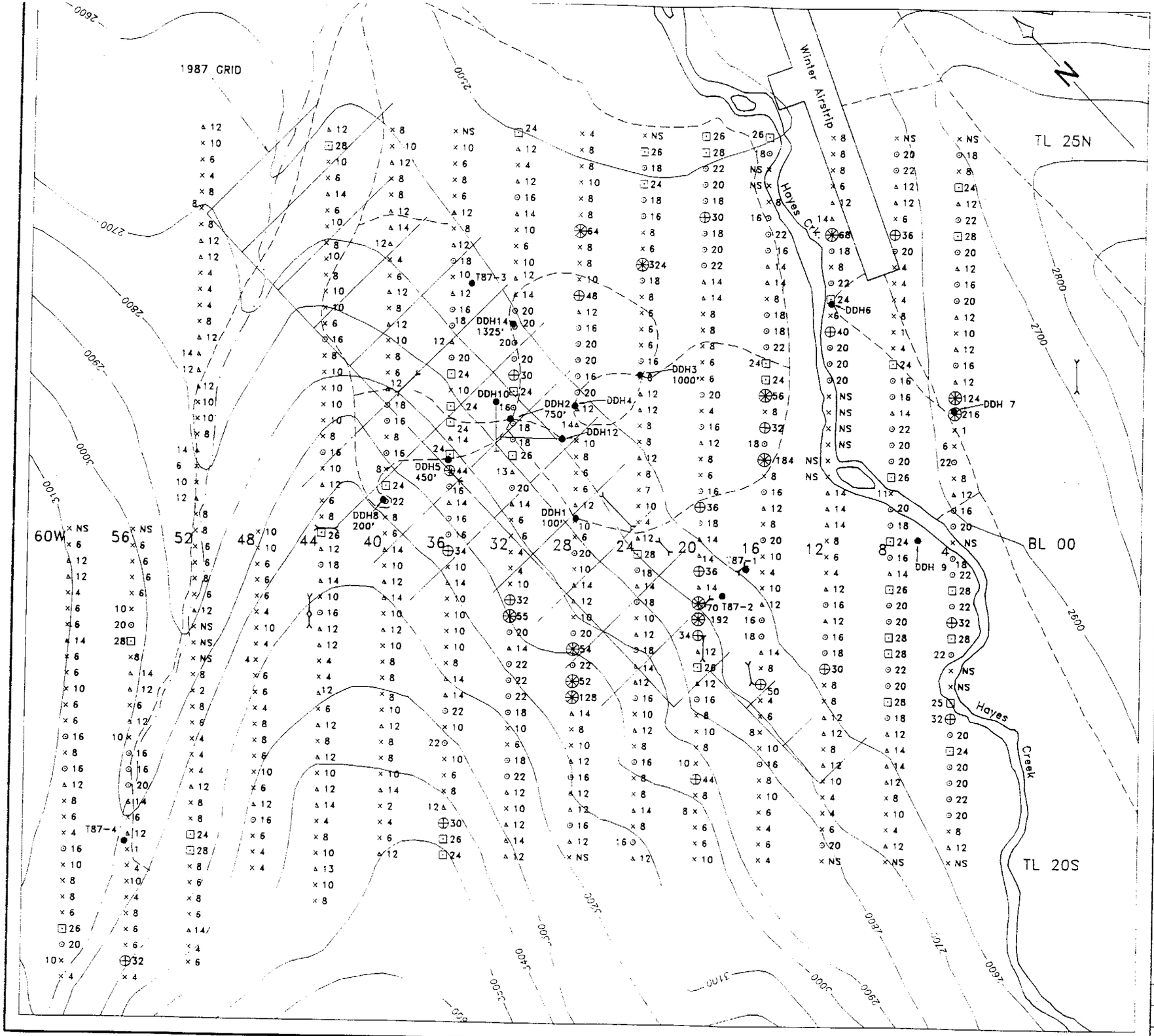
0 100 200 300 400 500
METRES

TORO PROJECT

1970 Grid
Soil Geochemistry
Lead - ppm

Graham Davidson, Consulting Geologist

SCALE: 1 : 7 500		DATE: April 1994
N.T.S.: 115 I/12	DRAWN: R.S.	FIGURE 18



LEGEND

- 3500 — elevation contour interval (100 feet)
- stream, creek
- 4-wheel drive road
- bulldozer trench
- ●DDH8 200' — diamond drill hole, depth
- ×10 — soil sample location, Cu-ppm (see other symbols below)

COPPER GEOCHEMISTRY

PPM		PERCENTILE
324	⊛	MAXIMUM
51	⊕	98
30	⊡	95
24	⊙	90
16	▲	70
12	×	50
1		MINIMUM

Number of Samples – 618
NS – no sample taken

0 100 200 300 400 500
METRES

TORO PROJECT

1970 Grid
Soil Geochemistry
Copper - ppm

Graham Davidson, Consulting Geologist

SCALE: 1 : 7 500		DATE: April 1994
N.T.S.: 115 I/12	DRAWN: R.S.	FIGURE 19

APPENDIX II

CERTIFICATES OF ANALYSIS

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CERTIFICATE ANALYSIS
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PO#: Shipment: ID=C021101
Msg: Au(FA/AAS 30g) ICP(AqR)30
Msg:

398 Samples 0= Rock 398= Soil 0= Core 0=RC Ct 0= Pulp 0=Other [072714:48:57:69082896]
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Pulp Storage: -- 12Mon/Dis -- -- -- -- Rtn=Return Arc=Archive

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	Fx:604/682-1816				

Analytical Summary

##	Code	Method	Title	Limit Low	Limit High	Units	Description	Element	##
01	313P	FAAA	Au	2	9999	ppb	Au FA/AAS finish 30g	Gold	01
02	721P	ICP	Ag	0.1	100	ppm	Ag ICP	Silver	02
03	711P	ICP	Cu	1	20000	ppm	Cu ICP	Copper	03
04	714P	ICP	Pb	2	20000	ppm	Pb ICP	Lead	04
05	730P	ICP	Zn	1	20000	ppm	Zn ICP	Zinc	05
06	703P	ICP	As	5	9999	ppm	As ICP 5 ppm	Arsenic	06
07	702P	ICP	Sb	5	9999	ppm	Sb ICP	Antimony	07
08	732P	ICP	Hg	3	9999	ppm	Hg ICP	Mercury	08
09	717P	ICP	Mo	1	9999	ppm	Mo ICP	Molybdenum	09
10	747P	ICP	Tl	10	999	ppm	Tl ICP 10 ppm (Incomplete	Thallium	10
11	705P	ICP	Bi	2	999	ppm	Bi ICP	Bismuth	11
12	707P	ICP	Cd	0.1	100	ppm	Cd ICP	Cadmium	12
13	710P	ICP	Co	1	999	ppm	Co ICP	Cobalt	13
14	718P	ICP	Ni	1	999	ppm	Ni ICP	Nickel	14
15	704P	ICP	Ba	2	9999	ppm	Ba ICP (Incomplete Digest	Barium	15
16	727P	ICP	W	5	999	ppm	W ICP (Incomplete Digest	Tungsten	16
17	709P	ICP	Cr	1	9999	ppm	Cr ICP (Incomplete Digest	Chromium	17
18	729P	ICP	V	2	999	ppm	V ICP	Vanadium	18
19	716P	ICP	Mn	1	9999	ppm	Mn ICP	Manganese	19
20	713P	ICP	La	2	9999	ppm	La ICP (Incomplete Digest	Lanthanum	20
21	723P	ICP	Sr	1	9999	ppm	Sr ICP (Incomplete Digest	Strontium	21
22	731P	ICP	Zr	1	999	ppm	Zr ICP	Zirconium	22
23	736P	ICP	Sc	1	99	ppm	Sc ICP	Scandium	23
24	726P	ICP	Ti	0.01	1.00	%	Ti ICP (Incomplete Digest	Titanium	24
25	701P	ICP	Al	0.01	9.99	%	Al ICP (Incomplete Digest	Aluminum	25
26	708P	ICP	Ca	0.01	9.99	%	Ca ICP (Incomplete Digest	Calcium	26
27	712P	ICP	Fe	0.01	9.99	%	Fe ICP	Iron	27
28	715P	ICP	Mg	0.01	9.99	%	Mg ICP (Incomplete Digest	Magnesium	28
29	720P	ICP	K	0.01	9.99	%	K ICP (Incomplete Digest	Potassium	29
30	722P	ICP	Na	0.01	5.00	%	Na ICP (Incomplete Digest	Sodium	30
31	719P	ICP	P	0.01	5.00	%	P ICP	Phosphorus	31

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DL=DownLoad 3D=3-1/2 Disk 5D=5-1/4 Disk 8T=BBS Type BL=BBS(1=Yes 0=No) Totals: 2=Copy 2=Invoice 0=3-1/2 Disk 0=5-1/4 Disk

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Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 96H0727

Client: Nicholson & Associates — iPL: 96H0727 — Out: Aug 28, 1996 — Page 1 of 11 — Section 1 of 2
Project: None Given — 398 Soil — In: Aug 13, 1996 [072714:49:02:69082896] — Certified BC Assayer: David Chiu

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %
L37+00E 42+00N	25	1.7	17	72	152	34	<	<	2	<	<	1.0	9	16	337	<	28	56	562	18	20	1	3	0.03	1.94	0.16	2.92	0.44	0.09
L37+00E 42+25N	<	0.1	8	89	172	32	<	<	1	<	<	1.7	4	7	139	<	14	28	444	13	31	1	2	0.02	1.21	0.36	1.75	0.31	0.04
L37+00E 42+50N	9	0.6	5	206	203	26	<	<	2	<	<	0.6	5	4	44	<	45	29	1040	7	9	1	1	0.01	1.19	0.16	2.04	0.33	0.10
L37+00E 42+75N	57	2.7	36	160	477	35	<	<	5	<	<	16.0	10	13	213	<	19	36	2024	88	101	3	3	0.02	1.58	1.51	2.20	0.36	0.05
L37+00E 43+00N	12	0.7	12	154	403	49	<	<	5	<	<	2.8	6	11	153	<	19	51	513	23	60	2	3	0.02	1.73	0.88	2.67	0.53	0.05
L37+00E 43+25N	9	0.8	8	164	364	59	<	<	3	<	<	1.1	5	8	175	<	17	42	856	10	79	1	2	0.02	1.39	1.00	2.12	0.44	0.05
L37+00E 43+50N	11	0.2	11	324	631	32	<	<	3	<	<	7.6	7	7	89	<	58	29	2565	12	11	1	2	0.01	1.13	0.18	2.41	0.31	0.11
L37+00E 43+75N	17	3.0	18	58	159	61	<	<	3	<	<	0.8	11	23	300	<	38	75	417	19	23	2	4	0.06	3.30	0.19	3.55	0.48	0.08
L37+00E 44+00N	75	0.6	12	151	411	41	<	<	2	<	<	1.2	10	13	241	<	52	58	1119	20	21	3	3	0.01	2.42	0.23	3.74	0.32	0.13
L37+00E 44+25N	93	1.7	12	123	383	40	<	<	2	<	<	0.6	7	17	220	<	24	46	661	37	32	3	4	0.05	1.79	0.43	3.04	0.52	0.10
L37+00E 44+50N	66	3.5	11	147	480	39	<	<	2	<	<	1.8	6	14	322	<	23	42	545	36	28	3	4	0.02	1.67	0.36	2.77	0.44	0.09
L37+00E 44+75N	105	7.0	23	397	466	34	<	<	2	<	<	3.2	8	15	284	<	24	43	1001	41	48	3	6	0.03	1.48	0.68	2.66	0.45	0.12
L37+00E 45+00N	95	1.5	10	339	340	35	<	<	4	<	<	1.3	6	9	199	<	16	38	894	20	31	1	2	0.02	1.30	0.30	2.61	0.29	0.12
L37+00E 45+25N	<	<	13	82	180	47	<	<	4	<	<	0.1	9	15	150	<	30	80	412	13	19	2	3	0.03	2.40	0.11	3.92	0.46	0.11
L37+00E 45+50N	9	2.7	8	237	281	32	<	<	6	<	<	<	6	7	243	<	12	41	255	46	57	1	3	0.02	1.27	0.11	4.26	0.19	0.23
L37+00E 45+75N	3	0.1	7	69	177	27	<	<	4	<	<	0.8	6	6	122	<	47	29	457	26	19	2	2	0.01	0.76	0.04	2.39	0.06	0.17
L37+00E 46+00N	<	0.6	13	93	220	56	<	<	3	<	<	0.7	13	17	246	<	31	65	1069	17	24	1	3	0.03	2.51	0.12	3.36	0.43	0.11
L37+00E 46+25N	18	1.1	15	202	1245	38	<	<	4	<	<	14.6	7	7	143	<	47	22	2492	28	21	1	2	0.01	0.74	0.30	2.36	0.16	0.15
L37+00E 46+50N	7	1.0	18	60	206	62	<	<	3	<	<	0.5	9	21	301	<	41	84	601	13	18	3	4	0.04	3.44	0.11	4.30	0.38	0.11
L37+00E 46+75N	11	<	8	41	112	22	5	<	3	<	<	0.9	6	7	90	<	96	32	663	19	12	1	2	0.01	0.78	0.12	2.27	0.10	0.15
L37+00E 47+00N	8	1.2	21	287	409	119	<	<	4	<	<	7.3	13	12	261	<	21	42	2722	34	50	1	3	0.02	1.59	0.54	2.55	0.37	0.07
L38+00E 41+75N	422	<	6	110	301	40	<	<	2	<	<	1.3	6	7	92	<	66	36	1263	10	16	4	2	0.01	1.49	0.24	2.51	0.50	0.11
L38+00E 42+00N	22	0.3	7	106	276	35	<	<	4	<	<	1.8	5	5	156	<	13	42	911	11	24	2	2	0.01	1.51	0.36	2.02	0.34	0.11
L38+00E 42+25N	26	2.5	11	124	215	30	<	<	3	<	<	3.1	7	8	175	<	17	41	1410	21	29	1	2	0.03	1.39	0.40	1.76	0.37	0.10
L38+00E 42+50N	72	0.2	6	90	243	31	<	<	3	<	<	3.6	7	7	124	<	63	36	1526	41	26	2	2	0.01	1.25	0.29	2.29	0.42	0.09
L38+00E 42+75N	50	1.6	11	174	496	70	<	<	2	<	<	1.9	5	6	91	<	53	32	1630	14	45	1	1	<	1.17	0.17	2.81	0.42	0.13
L38+00E 43+00N	53	1.6	21	293	906	350	<	<	3	<	<	12.8	7	5	70	<	52	31	2257	30	33	1	1	0.01	0.95	0.32	2.66	0.35	0.11
L38+00E 43+25N	102	8.3	50	287	2213	395	<	<	3	<	4	18.6	9	16	206	<	24	47	1192	63	48	4	5	0.03	1.85	0.37	3.42	0.54	0.12
L38+00E 43+50N	16	1.6	15	73	1079	43	<	<	2	<	<	7.3	6	11	147	<	22	47	665	20	26	1	3	0.05	1.21	0.29	1.91	0.41	0.09
L38+00E 43+75N	11	2.1	9	61	632	42	<	<	3	<	<	4.1	9	14	192	<	26	63	413	10	22	2	3	0.03	1.66	0.21	2.64	0.41	0.07
L38+00E 44+00N	36	2.2	8	146	483	29	<	<	2	<	<	6.2	8	6	254	<	60	34	1858	15	20	1	2	0.01	0.92	0.28	2.28	0.21	0.14
L38+00E 44+25N	33	1.6	11	147	638	39	<	<	3	<	<	7.4	8	9	245	<	49	35	1766	32	22	1	2	0.02	0.95	0.29	2.41	0.23	0.11
L38+00E 44+50N	145	7.7	23	208	986	55	<	<	2	<	<	5.6	7	15	470	<	41	39	804	66	61	4	6	0.01	2.14	0.56	2.76	0.40	0.23
L38+00E 44+75N	29	0.4	6	220	435	26	<	<	4	<	<	2.7	6	5	105	<	66	27	1546	15	16	4	1	0.01	0.67	0.19	2.09	0.18	0.13
L38+00E 45+00N	9	2.8	9	398	271	43	<	<	3	<	<	1.7	5	7	235	<	15	50	561	17	38	1	2	0.04	0.90	0.22	2.34	0.19	0.15
L38+00E 45+25N	42	7.2	15	646	376	153	<	<	5	<	<	1.4	6	10	358	<	19	42	653	31	61	1	3	0.01	1.87	0.39	3.18	0.35	0.23
L38+00E 45+50N	12	1.4	15	142	245	58	<	<	3	<	<	0.8	10	19	215	<	33	65	508	20	32	3	4	0.06	2.15	0.25	3.18	0.57	0.11
L38+00E 45+75N	16	1.4	13	235	253	135	<	<	3	<	<	1.1	8	14	167	<	24	50	574	14	38	2	3	0.04	1.53	0.21	2.81	0.43	0.11
L38+00E 46+00N	32	2.4	13	686	395	250	5	<	5	<	<	1.1	5	5	214	<	7	22	910	39	121	2	3	0.01	0.76	0.16	3.08	0.11	0.19
Min Limit	2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	9.99	9.99	9.99	9.99	9.99
Method	FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE ANALYSIS
iPL 96H0727

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Client: Nicholson & Associates | iPL: 96H0727 | Out: Aug 28, 1996 | Page 1 of 11 | Section 2 of 2
Project: None Given 398 Soil | In: Aug 13, 1996 | [072714:49:14:69082896] | Certified BC Assayer: David Chiu

Sample Name			Na %	P %
L37+00E	42+00N	S	0.02	0.04
L37+00E	42+25N	S	0.02	0.06
L37+00E	42+50N	S	0.03	0.07
L37+00E	42+75N	S	0.03	0.08
L37+00E	43+00N	S	0.02	0.06
L37+00E	43+25N	S	0.02	0.05
L37+00E	43+50N	S	0.03	0.08
L37+00E	43+75N	S	0.03	0.05
L37+00E	44+00N	S	0.02	0.06
L37+00E	44+25N	S	0.03	0.06
L37+00E	44+50N	S	0.02	0.04
L37+00E	44+75N	S	0.02	0.05
L37+00E	45+00N	S	0.02	0.07
L37+00E	45+25N	S	0.02	0.07
L37+00E	45+50N	S	0.05	0.12
L37+00E	45+75N	S	0.04	0.07
L37+00E	46+00N	S	0.02	0.06
L37+00E	46+25N	S	0.02	0.08
L37+00E	46+50N	S	0.02	0.10
L37+00E	46+75N	S	0.04	0.08
L37+00E	47+00N	S	0.02	0.09
L38+00E	41+75N	S	0.03	0.06
L38+00E	42+00N	S	0.02	0.03
L38+00E	42+25N	S	0.02	0.05
L38+00E	42+50N	S	0.03	0.07
L38+00E	42+75N	S	0.04	0.10
L38+00E	43+00N	S	0.03	0.09
L38+00E	43+25N	S	0.02	0.05
L38+00E	43+50N	S	0.02	0.04
L38+00E	43+75N	S	0.02	0.02
L38+00E	44+00N	S	0.03	0.05
L38+00E	44+25N	S	0.03	0.07
L38+00E	44+50N	S	0.02	0.05
L38+00E	44+75N	S	0.03	0.06
L38+00E	45+00N	S	0.03	0.05
L38+00E	45+25N	S	0.03	0.06
L38+00E	45+50N	S	0.03	0.03
L38+00E	45+75N	S	0.03	0.03
L38+00E	46+00N	S	0.03	0.08
Min Limit			0.01	0.01
Max Reported*			5.00	5.00
Method			ICP	ICP

—=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
iPL 96H0727

Client: Nicholson & Associates
Project: None Given 398 Soil

iPL: 96H0727
Out: Aug 28, 1996
In: Aug 13, 1996

Certified BC Assayer: David Chiu

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %
L38+00E 46+25N	18	0.7	8	115	165	41	<	<	4	<	<	1.2	6	6	270	<	65	22	1097	27	36	1	2	0.01	0.54	0.18	2.09	0.07	0.16
L38+00E 46+50N	9	1.0	6	145	251	35	<	<	3	<	<	1.1	6	5	149	<	7	22	1272	24	53	1	2	0.01	0.51	0.20	2.50	0.11	0.12
L38+00E 46+75N	9	1.7	6	166	173	43	<	<	3	<	<	0.2	3	3	134	<	61	15	230	21	29	1	1	<	0.38	0.09	1.69	0.04	0.18
L38+50E 41+00N	17	2.3	8	186	401	42	<	<	3	<	<	4.4	9	9	190	<	17	45	1239	22	37	2	2	0.02	1.60	0.52	2.27	0.44	0.12
L38+50E 41+25N	7	2.5	11	571	624	54	<	<	3	<	<	5.4	10	12	158	<	18	51	1098	13	23	1	2	0.02	1.81	0.18	3.03	0.43	0.09
L38+50E 41+50N	68	2.5	21	436	1156	107	<	<	7	<	<	3.6	15	12	125	<	20	57	1251	16	53	3	3	0.01	1.99	0.39	4.92	0.42	0.16
L38+50E 41+75N	246	3.4	15	90	460	63	<	<	3	<	<	1.9	6	9	133	<	19	60	465	13	46	2	2	0.04	1.57	0.25	2.62	0.37	0.12
L38+50E 42+00N	110	0.1	9	100	558	68	<	<	3	<	<	3.4	5	5	89	<	97	33	1232	13	24	4	2	0.01	1.13	0.20	2.29	0.46	0.12
L38+50E 42+25N	30	2.8	19	194	896	129	<	<	4	<	<	4.8	5	7	117	<	17	53	760	16	28	<	1	0.01	1.22	0.16	3.11	0.19	0.10
L38+50E 42+50N	623	5.5	16	181	1001	94	<	<	2	<	<	11.3	9	12	216	<	23	63	1202	14	47	1	2	0.03	1.71	0.66	2.89	0.37	0.20
L38+50E 42+75N	29	4.8	11	169	767	93	<	<	2	<	<	4.3	6	8	149	<	17	60	679	13	18	2	2	0.01	1.71	0.20	2.86	0.22	0.08
L38+50E 43+00N	20	1.3	7	176	640	52	<	<	3	<	<	4.8	5	6	138	<	103	25	1597	16	15	4	1	<	0.78	0.20	2.27	0.19	0.16
L38+50E 43+25N	40	6.5	21	582	1169	101	<	<	3	<	<	7.4	7	11	271	<	19	36	1512	40	62	4	5	0.02	1.26	0.51	3.16	0.38	0.18
L38+50E 43+50N	39	2.8	15	179	763	51	<	<	2	<	<	5.3	9	15	258	<	25	45	808	20	45	3	4	0.04	1.59	0.48	2.62	0.51	0.13
L38+50E 43+75N	31	2.3	12	247	756	51	<	<	3	<	<	5.4	9	15	251	<	25	51	1088	19	42	4	4	0.04	1.90	0.39	2.90	0.54	0.12
L38+50E 44+00N	21	2.4	9	198	541	53	<	<	2	<	<	2.6	8	12	152	<	23	52	535	18	42	3	3	0.05	1.48	0.37	2.72	0.49	0.14
L38+50E 44+25N	103	7.6	15	1045	472	238	6	<	3	<	<	1.6	6	11	257	<	19	42	599	25	63	2	3	0.03	1.45	0.33	3.07	0.37	0.23
L38+50E 44+50N	140	12.7	33	465	488	120	<	<	2	<	<	3.2	7	15	218	<	22	38	489	49	88	3	6	0.02	1.68	0.87	2.47	0.41	0.20
L38+50E 44+75N	67	3.5	22	291	355	83	5	<	3	<	<	2.5	6	11	287	<	16	36	776	26	85	2	3	0.02	1.25	0.91	2.51	0.27	0.16
L38+50E 45+00N	48	1.3	14	209	335	80	<	<	3	<	<	1.9	6	9	137	<	15	32	645	24	52	1	3	0.03	0.99	0.55	2.32	0.29	0.12
L38+50E 45+25N	20	1.8	15	229	290	111	<	<	4	<	<	1.7	6	8	179	<	12	37	964	18	47	1	2	0.02	0.79	0.27	2.70	0.17	0.12
L38+50E 45+50N	34	5.5	26	225	410	89	<	<	3	<	<	6.3	7	10	623	<	14	33	1337	46	87	1	3	0.01	1.19	0.61	2.19	0.21	0.18
L38+50E 45+75N	28	1.5	8	112	139	32	<	<	3	<	<	1.4	8	8	268	<	15	31	964	20	47	1	2	0.02	0.85	0.30	1.67	0.22	0.15
L38+50E 46+00N	13	0.7	6	94	124	33	<	<	3	<	<	0.6	6	6	278	<	11	33	537	22	43	1	2	0.02	0.73	0.28	1.93	0.16	0.14
L39+00E 41+50N	9	0.7	10	83	734	58	<	<	3	<	<	6.3	8	8	161	<	13	43	787	21	63	2	2	0.02	1.75	0.48	3.34	0.56	0.15
L39+00E 41+75N	7	1.1	12	52	331	47	<	<	2	<	<	3.1	10	15	220	<	26	58	512	13	33	3	3	0.04	2.03	0.40	3.01	0.56	0.14
L39+00E 42+00N	26	2.6	13	79	466	43	<	<	3	<	<	3.4	9	16	149	<	24	52	595	43	31	3	3	0.04	1.71	0.22	2.95	0.45	0.18
L39+00E 42+25N	17	2.0	20	233	970	91	<	<	5	5	5.2	16	9	166	<	15	43	3311	15	34	1	1	0.01	1.61	0.20	3.82	0.46	0.09
L39+00E 42+50N	25	2.6	10	71	397	45	<	<	3	<	<	2.7	6	10	129	<	17	42	546	14	39	<	2	0.02	1.46	0.33	2.29	0.44	0.10
L39+00E 42+75N	148	10.3	38	121	831	105	<	<	3	5	14.0	8	13	261	<	18	35	994	85	67	2	3	0.01	1.64	0.44	2.75	0.34	0.15
L39+00E 43+00N	115	11.2	29	86	1491	62	<	<	3	<	<	13.2	8	14	183	<	21	42	672	57	49	2	4	0.03	1.59	0.28	3.07	0.48	0.11
L39+00E 43+25N	131	3.4	18	95	917	65	<	<	5	<	<	11.3	7	10	212	<	14	44	1093	37	49	3	2	0.02	1.07	0.21	3.35	0.32	0.11
L39+00E 43+50N	80	3.4	21	182	1413	88	<	<	2	3	7.3	6	12	251	<	21	49	921	24	55	2	3	0.01	1.81	0.24	3.54	0.36	0.11
L39+00E 43+75N	93	5.9	31	187	1896	167	<	<	2	<	<	21.6	7	13	300	<	21	46	1221	77	46	1	4	0.02	1.76	0.47	3.00	0.36	0.15
L39+00E 44+00N	24	2.8	17	276	1545	88	<	<	3	<	<	12.6	8	9	146	<	39	36	2046	30	24	2	3	0.01	1.28	0.28	2.68	0.35	0.14
L39+00E 44+25N	26	2.5	16	383	1492	170	<	<	4	<	<	6.3	8	11	129	<	18	46	1619	19	39	2	3	0.02	1.48	0.28	3.54	0.38	0.11
L39+00E 44+50N	197	5.1	14	288	1033	121	<	<	3	<	<	5.7	8	13	192	<	22	45	856	21	42	3	3	0.03	1.50	0.30	2.81	0.45	0.14
L39+00E 44+75N	52	8.1	23	348	1046	101	<	<	3	<	<	13.3	8	10	336	<	18	34	1488	30	98	4	4	0.02	1.31	1.00	2.35	0.33	0.17
L39+00E 45+00N	50	4.5	16	1149	953	198	5	<	3	<	<	8.6	5	4	209	<	4	16	1240	25	90	4	2	0.01	0.38	0.44	2.56	0.10	0.14
Min Limit	2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	9.99	9.99	9.99	9.99	9.99
Method	FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE ANALYSIS
iPL 96H0727

Client: Nicholson & Associates | iPL: 96H0727 | Out: Aug 28, 1996 | Page 2 of 11 | Section 2 of 2
Project: None Given | 398 Soil | In: Aug 13, 1996 | [072714:49:31:69082896] | Certified BC Assayer: David Chiu

Sample Name	Na %	P %
L38+00E 46+25N	0.03	0.06
L38+00E 46+50N	0.02	0.08
L38+00E 46+75N	0.03	0.06
L38+50E 41+00N	0.02	0.06
L38+50E 41+25N	0.02	0.06
L38+50E 41+50N	0.02	0.10
L38+50E 41+75N	0.02	0.04
L38+50E 42+00N	0.05	0.07
L38+50E 42+25N	0.02	0.05
L38+50E 42+50N	0.02	0.03
L38+50E 42+75N	0.02	0.03
L38+50E 43+00N	0.04	0.07
L38+50E 43+25N	0.02	0.05
L38+50E 43+50N	0.03	0.04
L38+50E 43+75N	0.02	0.03
L38+50E 44+00N	0.02	0.03
L38+50E 44+25N	0.04	0.07
L38+50E 44+50N	0.03	0.05
L38+50E 44+75N	0.02	0.07
L38+50E 45+00N	0.03	0.07
L38+50E 45+25N	0.02	0.06
L38+50E 45+50N	0.02	0.05
L38+50E 45+75N	0.02	0.06
L38+50E 46+00N	0.02	0.05
L39+00E 41+50N	0.04	0.08
L39+00E 41+75N	0.02	0.04
L39+00E 42+00N	0.02	0.03
L39+00E 42+25N	0.02	0.13
L39+00E 42+50N	0.02	0.04
L39+00E 42+75N	0.02	0.06
L39+00E 43+00N	0.02	0.05
L39+00E 43+25N	0.02	0.05
L39+00E 43+50N	0.02	0.04
L39+00E 43+75N	0.02	0.04
L39+00E 44+00N	0.02	0.06
L39+00E 44+25N	0.02	0.04
L39+00E 44+50N	0.02	0.02
L39+00E 44+75N	0.02	0.04
L39+00E 45+00N	0.02	0.09
Min Limit	0.01	0.01
Max Reported*	5.00	5.00
Method	ICP	ICP

—=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

CERTIFICATE OF ANALYSIS
iPL 96H0727

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Client: Nicholson & Associates | iPL: 96H0727 | Out: Aug 28, 1996 | Page 3 of 11 | Section 1 of 2
Project: None Given 398 Soil | In: Aug 13, 1996 [072714:49:35:69082896] | Certified BC Assayer: David Chiu

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %
L39+00E 45+25N	64	4.7	14	797	1025	242	7	<	4	<	<	4.2	6	7	147	<	13	31	1362	21	66	3	3	0.03	0.82	0.31	3.02	0.30	0.14
L39+00E 45+50N	122	7.4	24	925	1216	224	7	<	3	<	<	8.6	6	11	182	<	16	31	939	38	83	3	4	0.02	1.01	0.41	2.88	0.28	0.18
L39+00E 45+75N	95	7.6	21	619	507	207	5	<	4	<	<	3.0	7	11	261	<	17	36	845	32	94	2	4	0.02	1.26	0.70	2.62	0.32	0.18
L39+00E 46+00N	30	6.3	30	458	525	120	<	<	3	<	<	7.3	6	12	331	<	15	34	1405	55	82	2	4	0.01	1.48	0.66	2.47	0.24	0.23
L39+00E 46+25N	28	4.9	25	313	569	98	<	<	3	<	<	8.3	7	13	473	<	19	34	1873	45	90	2	5	0.01	1.70	0.83	2.43	0.25	0.25
L39+00E 46+50N	17	1.4	11	256	441	111	6	<	3	<	<	3.6	8	11	206	<	19	39	816	26	68	2	3	0.04	1.21	0.49	2.71	0.34	0.21
L39+50E 41+50N	25	1.3	28	107	885	67	<	<	3	<	<	5.8	9	14	196	<	21	46	656	59	55	6	5	0.03	2.05	0.55	3.37	0.59	0.16
L39+50E 41+75N	13	3.2	10	145	315	77	<	<	4	<	4	0.8	4	7	168	<	12	37	290	39	158	2	2	0.01	1.68	0.17	4.25	0.36	0.24
L39+50E 42+00N	8	1.4	12	42	302	48	<	<	2	<	<	1.3	10	18	165	<	29	63	359	16	35	1	3	0.05	2.17	0.29	3.09	0.58	0.12
L39+50E 42+25N	10	1.7	13	60	232	47	<	<	3	<	<	1.4	8	16	106	<	28	72	384	14	24	1	2	0.05	1.93	0.19	3.43	0.53	0.13
L39+50E 42+50N	29	1.0	19	126	411	56	<	<	3	<	<	2.5	11	20	131	<	30	60	394	13	33	1	3	0.03	2.14	0.26	3.12	0.60	0.13
L39+50E 42+75N	31	10.6	27	88	565	73	<	<	4	<	<	3.9	8	13	182	<	19	39	692	35	63	1	3	0.01	1.75	0.39	2.96	0.40	0.15
L39+50E 43+00N	87	5.3	35	90	1063	110	<	<	4	<	<	10.2	7	12	230	<	19	40	1286	59	80	2	3	0.01	1.77	0.52	3.53	0.33	0.14
L39+50E 43+25N	27	4.8	18	183	1163	108	6	<	5	<	3	6.4	6	10	157	<	15	46	1237	22	35	1	2	0.01	1.21	0.15	4.40	0.19	0.08
L39+50E 43+50N	105	6.5	34	180	1594	131	<	<	2	<	3	6.8	7	15	260	<	23	44	731	58	56	1	5	0.02	1.68	0.42	3.04	0.42	0.16
L39+50E 43+75N	142	11.0	38	268	2838	143	8	<	2	<	<	20.9	8	15	362	<	24	45	1333	90	83	2	6	0.02	1.75	0.77	3.55	0.38	0.18
L39+50E 44+00N	216	9.4	26	577	2015	230	5	<	3	<	<	11.1	7	11	214	<	18	38	1502	35	93	3	5	0.01	1.43	0.81	3.27	0.33	0.19
L39+50E 44+25N	57	11.5	41	509	2942	234	11	<	4	<	<	35.1	11	14	389	<	123	47	3360	69	109	5	5	0.01	2.10	1.06	4.29	0.47	0.32
L39+50E 44+50N	171	13.2	35	317	2344	139	7	<	2	<	<	13.5	6	11	158	<	17	31	1073	44	113	5	4	0.01	1.24	1.37	2.71	0.32	0.14
L39+50E 44+75N	61	5.9	20	458	1549	133	<	<	4	<	<	7.9	8	12	114	<	20	40	1459	20	59	2	4	0.03	1.18	0.53	2.98	0.39	0.13
L39+50E 45+00N	106	10.2	40	530	1311	143	<	<	4	<	2	18.7	6	15	296	<	18	30	1555	46	109	3	3	0.01	1.20	0.96	2.84	0.29	0.18
L39+50E 45+25N	38	8.5	25	631	1042	134	9	<	3	<	3	13.1	5	9	230	<	79	26	1144	43	92	2	3	0.01	1.12	0.74	2.55	0.26	0.22
L39+50E 45+50N	96	6.4	24	592	1336	225	6	<	2	<	<	8.2	7	12	204	<	19	38	1142	20	100	3	4	0.02	1.30	0.67	2.83	0.38	0.16
L39+50E 45+75N	86	5.4	18	770	1028	253	11	<	3	<	2	11.9	5	6	316	<	9	22	2018	25	157	3	2	0.01	0.71	1.65	2.40	0.19	0.13
L39+50E 46+00N	46	11.7	29	536	523	149	8	<	3	<	<	9.1	5	9	259	<	11	21	704	35	165	3	3	0.01	0.99	1.46	1.54	0.17	0.17
L39+50E 46+25N	82	6.9	27	486	761	228	9	<	3	<	<	5.4	6	12	301	<	19	38	841	58	92	2	7	0.01	1.61	0.53	3.03	0.30	0.21
L39+50E 46+50N	162	7.4	21	307	620	155	7	<	3	<	<	3.6	5	10	229	<	14	28	556	33	137	3	4	0.01	1.38	1.25	2.34	0.25	0.17
L40+00E 40+75N	30	2.1	24	73	373	71	<	<	3	<	<	5.4	10	16	205	<	22	44	954	33	82	3	4	0.03	1.79	1.11	2.51	0.53	0.08
L40+00E 41+00N	21	2.2	11	76	530	101	<	<	4	<	<	3.1	7	10	172	<	16	44	505	24	52	3	3	0.02	1.77	0.46	3.47	0.50	0.10
L40+00E 41+25N	11	2.0	23	93	841	167	<	<	5	<	<	6.1	8	6	108	<	10	32	740	39	49	3	2	0.01	1.47	0.48	3.69	0.43	0.10
L40+00E 41+50N	48	2.4	21	181	322	99	<	<	4	<	<	2.5	5	10	227	<	17	42	270	45	131	2	3	0.01	1.99	0.44	3.77	0.40	0.17
L40+00E 41+75N	82	2.1	8	80	211	47	<	<	3	<	<	1.6	4	7	189	<	13	48	158	17	76	1	1	0.02	1.29	0.22	3.48	0.23	0.14
L40+00E 42+00N	12	2.2	9	173	265	62	<	<	4	<	<	0.7	5	7	212	<	11	32	345	32	147	1	1	0.01	1.21	0.24	4.04	0.35	0.26
L40+00E 42+25N	11	1.7	9	94	193	44	<	<	4	<	<	0.6	7	8	235	<	14	42	517	16	86	1	1	0.01	1.65	0.55	3.48	0.31	0.19
L40+00E 42+50N	16	4.3	13	80	246	35	<	<	3	<	<	3.0	5	9	135	<	14	44	391	14	39	1	2	0.03	1.10	0.25	2.42	0.30	0.11
L40+00E 42+75N	139	2.3	8	85	343	44	<	<	4	<	<	0.5	6	6	195	<	9	29	504	49	286	2	2	<	1.35	0.24	4.72	0.33	0.25
L40+00E 43+00N	24	2.3	11	100	433	84	<	<	3	<	<	0.4	4	9	210	<	14	39	430	33	183	1	2	0.01	1.58	0.32	4.08	0.47	0.24
L40+00E 43+25N	96	8.7	25	261	1639	209	5	<	3	<	5	21.3	9	13	293	<	20	44	1299	58	86	2	4	0.01	2.15	0.52	4.03	0.38	0.18
L40+00E 43+50N	31	5.3	21	706	2041	126	<	<	7	<	<	13.4	7	8	153	<	11	32	2177	26	52	2	2	0.01	1.35	0.40	4.89	0.36	0.10
Min Limit	2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	9.99	9.99	9.99	9.99	9.99
Method	FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE ANALYSIS
iPL 96H0727

Client: Nicholson & Associates | iPL: 96H0727 | Out: Aug 28, 1996 | Page 3 of 11 | Section 2 of 2
Project: None Given | 398 Soil | In: Aug 13, 1996 | [072714:49:47:69082896] | Certified BC Assayer: David Chiu

Sample Name	Na %	P %
L39+00E 45+25N	0.03	0.06
L39+00E 45+50N	0.03	0.05
L39+00E 45+75N	0.03	0.06
L39+00E 46+00N	0.03	0.05
L39+00E 46+25N	0.02	0.04
L39+00E 46+50N	0.03	0.04
L39+50E 41+50N	0.04	0.05
L39+50E 41+75N	0.14	0.08
L39+50E 42+00N	0.03	0.03
L39+50E 42+25N	0.02	0.07
L39+50E 42+50N	0.03	0.04
L39+50E 42+75N	0.03	0.05
L39+50E 43+00N	0.03	0.07
L39+50E 43+25N	0.02	0.06
L39+50E 43+50N	0.02	0.04
L39+50E 43+75N	0.03	0.05
L39+50E 44+00N	0.03	0.06
L39+50E 44+25N	0.04	0.10
L39+50E 44+50N	0.03	0.05
L39+50E 44+75N	0.03	0.05
L39+50E 45+00N	0.03	0.08
L39+50E 45+25N	0.03	0.07
L39+50E 45+50N	0.03	0.04
L39+50E 45+75N	0.02	0.07
L39+50E 46+00N	0.03	0.05
L39+50E 46+25N	0.02	0.04
L39+50E 46+50N	0.02	0.05
L40+00E 40+75N	0.03	0.05
L40+00E 41+00N	0.04	0.04
L40+00E 41+25N	0.02	0.06
L40+00E 41+50N	0.08	0.06
L40+00E 41+75N	0.07	0.06
L40+00E 42+00N	0.09	0.07
L40+00E 42+25N	0.04	0.05
L40+00E 42+50N	0.03	0.04
L40+00E 42+75N	0.16	0.10
L40+00E 43+00N	0.08	0.06
L40+00E 43+25N	0.03	0.06
L40+00E 43+50N	0.02	0.05
Min Limit	0.01	0.01
Max Reported*	5.00	5.00
Method	ICP	ICP

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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iPL 96H0727

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Client: Nicholson & Associates | iPL: 96H0727 | Out: Aug 28, 1996 | Page 4 of 11 | Section 1 of 2
Project: None Given | 398 Soil | In: Aug 13, 1996 | [072714:49:52:69082896] | Certified BC Assayer: David Chiu

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %
L40+00E 43+75N	95	10.9	59	172	1641	43	<	<	3	<	<	22.7	9	14	269	<	22	37	887	65	80	3	5	0.02	1.45	0.89	2.28	0.42	0.12
L40+00E 44+00N	29	4.6	21	498	1370	111	<	<	4	<	<	11.9	11	11	135	<	17	41	2159	24	74	2	3	0.03	1.15	0.75	2.95	0.39	0.11
L40+00E 44+25N	76	6.4	37	493	1377	36	<	<	2	<	3	23.6	9	12	219	<	16	30	1614	38	139	6	4	0.02	1.02	1.82	1.97	0.35	0.11
L40+00E 44+50N	86	8.0	35	416	1691	93	<	<	3	<	<	32.3	7	14	255	<	17	29	1441	46	123	3	3	0.02	1.08	1.32	2.13	0.30	0.11
L40+00E 44+75N	88	7.2	32	631	1652	141	<	<	3	<	<	27.2	8	9	255	<	12	25	3621	28	123	4	2	0.01	0.73	1.54	2.35	0.21	0.11
L40+00E 45+00N	85	7.7	26	380	1443	96	<	<	3	<	<	16.2	7	10	196	<	15	31	2503	25	104	3	3	0.02	1.07	1.22	2.38	0.31	0.12
L40+00E 45+25N	66	6.2	22	455	1196	141	<	<	3	<	<	11.6	7	9	284	<	14	33	1463	23	82	1	3	0.01	1.29	0.69	2.79	0.29	0.17
L40+00E 45+50N	80	5.6	28	440	1118	128	5	<	3	<	<	10.3	6	10	243	<	19	35	1226	27	98	3	5	0.01	1.52	0.83	2.73	0.36	0.20
L40+00E 45+75N	68	7.7	29	562	1043	112	7	<	2	<	<	12.9	6	13	253	<	19	34	887	31	95	2	4	0.02	1.19	0.75	2.46	0.36	0.15
L40+00E 46+00N	31	4.9	18	643	1017	157	6	<	3	<	<	9.6	4	8	110	<	11	23	1024	13	118	3	2	0.01	0.71	1.28	2.06	0.22	0.12
L40+50E 41+75N	11	0.8	11	79	316	77	<	<	4	<	<	2.3	3	4	95	<	9	31	392	13	49	2	1	0.02	0.89	0.40	2.17	0.32	0.09
L40+50E 42+00N	8	1.3	14	131	216	46	<	<	4	<	<	1.5	6	8	214	<	14	43	406	29	101	2	2	0.02	1.31	0.26	3.34	0.34	0.16
L40+50E 42+25N	12	1.4	7	79	121	21	<	<	5	<	<	0.9	3	6	195	<	6	36	196	23	111	<	1	0.01	0.87	0.18	3.27	0.17	0.14
L40+50E 42+50N	62	1.3	10	171	212	34	<	<	4	<	<	<	5	5	174	<	9	29	268	26	155	1	1	0.01	1.18	0.32	4.05	0.33	0.20
L40+50E 42+75N	18	2.3	15	76	259	34	<	<	3	3	1.6	5	6	193	<	11	32	476	27	103	1	1	0.01	1.07	0.18	3.32	0.29	0.19
L40+50E 43+00N	10	2.3	18	119	1200	70	<	<	4	<	<	5.7	9	14	171	<	21	52	736	17	69	2	2	0.01	1.90	0.23	3.85	0.45	0.15
L40+50E 43+25N	20	2.1	15	69	662	60	<	<	3	<	<	7.2	7	15	193	<	22	46	665	43	55	2	3	0.02	1.44	0.25	3.02	0.47	0.13
L40+50E 43+50N	112	13.4	45	144	1294	100	<	<	3	<	<	34.5	8	19	471	<	21	43	1066	165	83	2	5	0.01	2.17	0.61	3.24	0.34	0.17
L40+50E 43+75N	40	7.9	18	205	1145	91	<	<	4	8	29.7	10	13	257	<	18	42	1860	87	43	1	2	0.01	1.58	0.31	2.80	0.40	0.09
L40+50E 44+00N	39	3.8	16	284	1440	63	<	<	3	<	<	11.5	8	13	175	<	21	42	998	31	49	2	3	0.03	1.48	0.38	2.94	0.48	0.12
L40+50E 44+25N	23	2.0	19	213	900	54	<	<	4	<	<	4.6	7	9	95	<	18	38	1093	12	38	1	2	0.03	1.02	0.30	2.76	0.37	0.11
L40+50E 44+50N	95	9.8	30	476	1216	78	<	<	2	<	<	18.2	6	9	142	<	13	25	1217	40	116	3	3	0.01	0.92	1.29	2.18	0.29	0.10
L40+50E 44+75N	64	7.8	26	434	1660	85	5	<	2	<	<	15.6	7	10	174	<	18	37	1471	25	77	2	3	0.02	1.20	0.79	2.77	0.37	0.12
L40+50E 45+00N	60	6.2	19	540	1455	227	5	<	3	2	18.4	7	9	261	<	14	32	1602	25	105	1	2	0.01	0.93	1.04	2.73	0.23	0.13
L40+50E 45+25N	105	8.3	39	688	1837	291	12	<	2	<	<	39.6	6	11	386	<	10	24	2393	45	145	3	3	0.01	0.82	1.15	2.74	0.18	0.15
L40+50E 45+50N	442	8.2	28	400	1238	89	<	<	3	<	<	13.2	8	9	291	<	14	23	3527	20	146	2	2	0.01	0.84	1.84	1.84	0.22	0.10
L40+50E 45+75N	72	4.9	21	375	1353	169	6	<	3	2	20.3	6	8	217	<	11	27	1646	21	82	2	3	0.01	0.84	0.71	2.66	0.22	0.11
L40+50E 46+00N	70	4.0	17	379	958	135	<	<	2	<	<	8.3	6	7	163	<	12	30	1189	20	71	2	3	0.01	0.96	0.70	2.53	0.25	0.12
L40+50E 46+25N	123	4.7	23	575	952	139	5	<	2	<	<	8.7	4	8	180	<	13	29	748	21	97	1	3	0.01	0.89	0.77	2.48	0.24	0.13
L40+50E 46+50N	85	5.7	22	513	976	178	6	<	4	<	<	8.0	6	10	113	<	13	26	955	23	107	3	3	0.01	0.84	1.17	2.17	0.22	0.13
L40+50E 46+75N	99	3.3	19	477	864	116	5	<	3	<	<	10.3	6	9	115	<	11	25	1193	17	111	3	2	0.02	0.62	1.31	1.86	0.23	0.10
L40+50E 47+00N	44	3.4	15	373	663	119	<	<	2	<	<	12.1	8	10	176	<	13	28	1449	17	128	3	3	0.02	0.97	1.11	1.96	0.26	0.10
L40+50E 47+25N	107	4.3	22	353	522	131	5	<	3	3	8.2	8	9	266	<	13	30	2821	34	102	5	3	0.02	0.85	1.03	2.01	0.22	0.10
L40+50E 47+50N	26	2.8	12	253	326	82	<	<	3	<	<	3.5	8	8	167	<	14	33	1489	20	105	4	3	0.04	0.91	0.88	1.84	0.28	0.10
L41+00E 41+00N	14	3.7	24	303	611	40	<	<	3	<	<	12.8	7	10	155	<	14	28	1534	28	101	2	2	0.02	1.07	1.56	1.80	0.36	0.06
L41+00E 41+25N	6	1.4	10	121	407	41	<	<	3	<	<	4.1	6	7	105	<	11	30	795	17	53	2	2	0.02	1.08	0.78	2.15	0.39	0.08
L41+00E 41+50N	14	1.5	18	84	368	55	<	<	3	7	4.1	6	7	124	<	11	27	701	19	71	3	2	0.01	0.97	0.97	2.33	0.34	0.06
L41+00E 41+75N	31	2.7	25	87	356	62	<	<	4	<	<	4.0	7	9	168	<	12	29	959	25	79	3	2	0.01	1.09	1.17	2.34	0.36	0.06
L41+00E 42+00N	16	2.4	20	110	206	60	<	<	4	<	<	2.5	3	5	135	<	9	30	262	19	61	2	1	0.01	1.03	0.34	2.30	0.23	0.10
Min Limit	2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	9.99	9.99	9.99	9.99	9.99
Method	FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE ANALYSIS
iPL 96H0727

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Client: Nicholson & Associates | iPL: 96H0727 | Out: Aug 28, 1996 | Page 4 of 11 | Section 2 of 2
Project: None Given | 398 Soil | In: Aug 13, 1996 | [072714:50:04:69082896] | Certified BC Assayer: David Chiu

Sample Name	Na %	P %
L40+00E 43+75N	0.02	0.05
L40+00E 44+00N	0.03	0.05
L40+00E 44+25N	0.02	0.06
L40+00E 44+50N	0.02	0.08
L40+00E 44+75N	0.02	0.08
L40+00E 45+00N	0.02	0.06
L40+00E 45+25N	0.02	0.05
L40+00E 45+50N	0.03	0.05
L40+00E 45+75N	0.03	0.06
L40+00E 46+00N	0.02	0.05
L40+50E 41+75N	0.03	0.04
L40+50E 42+00N	0.09	0.06
L40+50E 42+25N	0.07	0.06
L40+50E 42+50N	0.08	0.08
L40+50E 42+75N	0.08	0.05
L40+50E 43+00N	0.03	0.04
L40+50E 43+25N	0.03	0.03
L40+50E 43+50N	0.02	0.06
L40+50E 43+75N	0.02	0.05
L40+50E 44+00N	0.02	0.03
L40+50E 44+25N	0.02	0.04
L40+50E 44+50N	0.02	0.07
L40+50E 44+75N	0.02	0.05
L40+50E 45+00N	0.02	0.08
L40+50E 45+25N	0.02	0.08
L40+50E 45+50N	0.02	0.07
L40+50E 45+75N	0.02	0.06
L40+50E 46+00N	0.02	0.05
L40+50E 46+25N	0.02	0.05
L40+50E 46+50N	0.02	0.07
L40+50E 46+75N	0.02	0.07
L40+50E 47+00N	0.02	0.06
L40+50E 47+25N	0.02	0.07
L40+50E 47+50N	0.02	0.05
L41+00E 41+00N	0.02	0.07
L41+00E 41+25N	0.02	0.04
L41+00E 41+50N	0.02	0.06
L41+00E 41+75N	0.02	0.08
L41+00E 42+00N	0.04	0.04
Min Limit	0.01	0.01
Max Reported*	5.00	5.00
Method	ICP	ICP

—=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
iPL 96H0727

Client: Nicholson & Associates
Project: None Given 398 Soil

iPL: 96H0727

Out: Aug 28, 1996
In: Aug 13, 1996

[072714:50:08:69082896]

Section 1 of 2
Certified BC Assayer: David Chiu

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %
L41+00E 42+25N	119	8.0	63	286	414	68	5	<	4	<	3	15.6	7	17	257	<	11	21	774	53	236	5	2	<	1.52	1.74	3.49	0.23	0.16
L41+00E 42+50N	62	2.1	13	182	211	52	<	<	4	<	<	0.7	5	7	273	<	7	22	281	44	224	3	2	<	1.40	0.91	4.14	0.27	0.19
L41+00E 42+75N	15	2.0	12	51	432	45	<	<	2	<	<	3.9	8	13	147	<	24	57	490	15	42	3	3	0.03	1.68	0.28	3.06	0.46	0.12
L41+00E 43+00N	21	2.9	11	71	885	48	<	<	3	<	<	6.6	8	14	173	<	23	50	725	38	45	3	3	0.02	1.87	0.34	3.22	0.56	0.10
L41+00E 43+25N	19	1.9	9	65	746	46	<	<	4	<	<	5.9	6	12	193	<	18	51	608	14	41	3	2	0.01	1.89	0.23	3.31	0.46	0.10
L41+00E 43+50N	25	2.0	6	78	587	38	<	<	2	<	<	8.1	6	6	118	<	57	30	2069	14	22	1	1	<	1.36	0.27	2.62	0.44	0.12
L41+00E 43+75N	24	2.4	11	146	1346	70	<	<	5	<	<	10.1	7	8	193	<	15	44	1721	19	47	2	2	0.01	1.60	0.42	3.94	0.43	0.14
L41+00E 44+00N	108	5.8	24	192	1620	102	<	<	3	<	<	17.9	7	11	219	<	19	41	1259	49	69	2	4	0.02	1.68	0.46	3.37	0.48	0.20
L41+00E 44+25N	44	2.0	7	150	660	94	<	<	2	<	<	4.3	5	5	113	<	128	24	1733	14	37	3	1	<	0.91	0.22	2.39	0.27	0.19
L41+00E 44+50N	242	14.5	40	433	2218	201	5	<	3	<	5	32.5	5	15	429	<	18	33	1236	63	104	3	3	0.01	1.23	0.57	3.41	0.31	0.17
L41+00E 44+75N	63	6.9	44	351	1503	103	<	<	3	<	6	23.3	7	12	210	<	17	33	1629	39	92	3	3	0.02	1.24	0.96	2.62	0.36	0.14
L41+00E 45+00N	57	6.6	30	428	1362	118	5	<	3	<	<	25.4	6	10	199	<	15	30	1986	31	112	2	2	0.01	1.09	1.16	2.56	0.30	0.13
L41+00E 45+25N	59	8.2	31	430	1516	140	<	<	3	<	<	22.6	5	10	215	<	14	29	1289	37	119	2	2	0.01	1.07	1.13	2.59	0.25	0.14
L41+00E 45+50N	30	2.3	18	506	1049	223	8	<	3	<	<	5.2	4	6	142	<	13	34	899	18	91	2	2	0.02	0.86	0.50	2.91	0.23	0.16
L41+00E 45+75N	46	5.0	22	567	1080	159	6	<	3	<	5	8.7	7	8	253	<	15	33	2007	28	98	1	3	0.01	1.14	0.72	2.71	0.26	0.14
L41+00E 46+00N	33	4.9	20	360	951	162	6	<	4	<	<	8.2	8	10	123	<	14	34	1286	15	74	1	2	0.01	0.89	0.75	2.39	0.21	0.13
L41+50E 41+00N	52	1.8	39	60	178	20	<	<	8	<	<	3.7	9	13	274	<	15	34	2018	52	67	1	2	0.01	1.35	0.72	2.19	0.40	0.10
L41+50E 41+25N	26	2.1	17	99	289	30	<	<	4	<	<	3.1	8	10	234	<	16	35	1652	26	98	2	2	0.02	1.29	1.35	1.95	0.46	0.10
L41+50E 41+50N	42	2.5	29	308	521	49	<	<	3	<	<	8.5	8	9	152	<	14	34	1557	26	92	2	2	0.02	1.13	1.43	2.22	0.40	0.09
L41+50E 41+75N	17	2.2	18	173	514	43	5	<	2	<	<	8.4	7	10	148	<	15	33	886	28	81	2	2	0.02	1.32	1.30	2.04	0.42	0.08
L41+50E 42+00N	28	2.7	28	103	406	60	<	<	4	<	<	6.1	7	11	177	<	16	31	990	37	89	3	2	0.01	1.41	1.33	2.51	0.42	0.08
L41+50E 42+25N	46	3.9	37	132	363	68	<	<	5	<	<	5.6	10	10	214	<	14	31	1675	40	84	2	2	0.01	1.30	1.01	2.68	0.36	0.08
L41+50E 42+50N	31	2.0	14	114	248	41	<	<	4	<	<	1.5	3	4	166	<	7	24	399	30	149	2	1	0.02	0.88	0.40	3.23	0.35	0.19
L41+50E 42+75N	30	3.4	12	152	284	52	<	<	4	<	<	1.4	5	5	235	<	9	24	361	32	146	2	2	0.01	1.61	0.49	3.55	0.33	0.16
L41+50E 43+00N	42	2.1	9	123	225	40	<	<	4	<	<	0.6	4	5	196	<	9	26	395	36	180	1	1	0.01	1.24	0.41	3.64	0.35	0.24
L41+50E 43+25N	56	2.7	14	89	794	84	<	<	5	<	<	5.3	4	6	221	<	9	27	825	39	133	2	2	<	1.70	0.53	4.43	0.38	0.21
L41+50E 43+50N	45	2.9	15	187	792	90	<	<	3	<	<	13.2	4	7	299	<	9	30	544	51	183	1	2	0.01	1.48	0.54	3.56	0.31	0.20
L41+50E 43+75N	46	3.9	13	94	720	55	5	<	3	<	<	5.0	8	11	186	<	23	55	951	21	56	2	2	0.02	1.98	0.47	3.31	0.42	0.13
L41+50E 44+00N	462	6.3	14	485	745	90	<	<	5	<	4	3.3	3	5	130	<	6	24	358	52	413	2	1	0.01	0.97	0.22	5.53	0.13	0.48
L41+50E 44+25N	43	2.0	8	94	416	164	<	<	3	<	2	3.8	4	5	223	<	122	16	367	22	88	3	2	<	0.64	0.12	2.06	0.05	0.30
L41+50E 44+50N	58	11.8	19	346	1165	287	8	<	4	<	11	20.7	8	9	341	<	13	35	1675	50	111	2	3	0.01	1.24	0.49	3.71	0.18	0.25
L41+50E 44+75N	112	6.7	25	448	1414	379	7	<	4	<	7	15.4	7	9	268	<	13	33	1143	53	133	1	2	0.01	1.17	0.31	3.87	0.19	0.24
L41+50E 45+00N	129	9.2	29	393	1592	320	8	<	4	<	4	29.7	6	11	377	<	14	34	1167	73	92	1	3	0.01	1.37	0.49	3.34	0.23	0.17
L41+50E 45+25N	107	16.7	22	610	1590	306	8	<	4	<	6	19.3	11	9	378	<	16	35	4012	33	99	1	3	<	1.62	0.72	3.38	0.21	0.17
L41+50E 45+50N	56	10.5	30	465	1525	95	<	<	3	<	2	21.1	6	11	208	<	17	32	1555	29	124	2	3	0.01	1.19	1.33	2.48	0.31	0.13
L41+50E 45+75N	50	6.6	28	285	1289	112	6	<	2	<	2	17.1	4	11	213	<	13	27	840	23	128	2	2	0.01	1.08	1.48	2.10	0.23	0.12
L41+50E 46+00N	37	3.3	19	315	1185	159	7	<	4	<	<	10.4	6	9	181	<	14	32	1075	19	87	2	2	0.02	0.79	0.81	2.65	0.21	0.13
L42+00E 38+00N	18	0.6	14	60	128	14	<	<	3	<	<	1.0	10	10	132	<	15	39	964	27	51	4	3	0.01	1.22	0.43	2.65	0.19	0.18
L42+00E 38+25N	14	0.5	17	108	202	17	<	<	2	<	<	0.8	8	12	496	<	20	46	573	18	36	3	3	0.02	1.34	0.38	2.81	0.32	0.14
Min Limit	2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	9.99	9.99	9.99	9.99	9.99
Method	FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
iPL 96H0727

Client: Nicholson & Associates | iPL: 96H0727 | Out: Aug 28, 1996 | Page 5 of 11 | Section 2 of 2
Project: None Given 398 Soil | In: Aug 13, 1996 | [072714:50:20:69082896] | Certified BC Assayer: David Chiu

Sample Name	Na %	P %
L41+00E 42+25N	0.08	0.12
L41+00E 42+50N	0.10	0.11
L41+00E 42+75N	0.03	0.03
L41+00E 43+00N	0.02	0.03
L41+00E 43+25N	0.02	0.03
L41+00E 43+50N	0.03	0.07
L41+00E 43+75N	0.02	0.06
L41+00E 44+00N	0.03	0.05
L41+00E 44+25N	0.04	0.07
L41+00E 44+50N	0.03	0.07
L41+00E 44+75N	0.02	0.06
L41+00E 45+00N	0.02	0.08
L41+00E 45+25N	0.02	0.07
L41+00E 45+50N	0.02	0.04
L41+00E 45+75N	0.02	0.04
L41+00E 46+00N	0.02	0.05
L41+50E 41+00N	0.02	0.09
L41+50E 41+25N	0.02	0.09
L41+50E 41+50N	0.02	0.06
L41+50E 41+75N	0.02	0.07
L41+50E 42+00N	0.03	0.09
L41+50E 42+25N	0.03	0.09
L41+50E 42+50N	0.12	0.08
L41+50E 42+75N	0.07	0.08
L41+50E 43+00N	0.10	0.09
L41+50E 43+25N	0.07	0.09
L41+50E 43+50N	0.07	0.08
L41+50E 43+75N	0.03	0.04
L41+50E 44+00N	0.17	0.12
L41+50E 44+25N	0.09	0.04
L41+50E 44+50N	0.03	0.06
L41+50E 44+75N	0.03	0.07
L41+50E 45+00N	0.02	0.06
L41+50E 45+25N	0.02	0.06
L41+50E 45+50N	0.02	0.06
L41+50E 45+75N	0.02	0.09
L41+50E 46+00N	0.02	0.05
L42+00E 38+00N	0.02	0.03
L42+00E 38+25N	0.02	0.03
Min Limit	0.01	0.01
Max Reported*	5.00	5.00
Method	ICP	ICP

—=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
iPL 96H0727

Client: Nicholson & Associates
Project: None Given 398 Soil

iPL: 96H0727

Out: Aug 28, 1996
In: Aug 13, 1996

[072714:50:25:69082896]

Section 1 of 2
Certified BC Assayer: David Chiu

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %
L42+00E 38+50N	10	0.6	14	72	136	25	<	<	2		<	0.4	9	15	504	<	26	57	521	15	31	4	4	0.04	1.52	0.35	2.82	0.42	0.11
L42+00E 38+75N	3	0.8	14	112	170	24	<	<	2		<	1.0	9	15	557	<	27	59	481	16	33	3	4	0.04	1.67	0.35	2.98	0.40	0.12
L42+00E 39+00N	103	0.9	23	167	348	23	<	<	4		<	0.9	10	12	816	<	17	48	991	29	50	4	4	0.01	1.44	0.46	3.65	0.22	0.15
L42+00E 39+25N	7	0.7	16	249	527	34	<	<	4		<	2.0	10	18	737	<	28	65	1034	19	45	2	4	0.02	2.08	0.46	3.48	0.37	0.15
L42+00E 39+50N	6	1.1	18	55	152	22	<	<	2		<	0.7	12	21	461	<	35	68	632	17	45	3	4	0.08	1.99	0.49	3.09	0.56	0.17
L42+00E 39+75N	8	1.2	24	40	150	39	<	<	7		<	1.4	12	20	196	<	27	69	754	15	55	3	4	0.05	2.46	0.49	3.23	0.67	0.10
L42+00E 40+00N	142	1.1	40	103	214	62	8	<	12		<	0.1	16	24	214	<	29	76	1069	13	107	5	4	0.05	3.82	0.52	5.23	1.00	0.13
L42+00E 40+25N	12	1.3	16	42	129	27	<	<	6		<	0.7	10	13	265	<	18	50	1019	27	71	2	3	0.03	1.84	0.31	3.15	0.51	0.14
L42+00E 40+50N	20	1.0	13	31	154	38	<	<	7		<	0.7	11	15	188	<	19	55	789	25	135	3	3	0.05	2.83	0.67	3.69	0.73	0.18
L42+00E 40+75N	10	1.5	16	32	133	19	<	<	6		<	1.1	8	12	241	<	17	48	639	22	88	3	3	0.05	1.75	0.41	2.75	0.60	0.14
L42+00E 41+00N	51	2.5	70	84	190	32	<	<	9		<	1.6	11	15	441	<	25	53	1285	52	88	3	4	0.01	2.76	0.60	3.38	0.60	0.16
L42+00E 41+25N	25	1.4	13	61	170	22	<	<	8		<	0.2	10	11	213	<	16	46	917	39	104	1	2	0.03	1.76	0.32	3.58	0.73	0.19
L42+00E 41+50N	19	1.6	14	157	288	42	<	<	5		<	3.9	15	10	242	<	17	46	3882	24	65	1	3	0.03	1.49	0.84	2.51	0.55	0.13
L42+00E 41+75N	43	3.8	24	291	585	39	<	<	2		<	10.3	9	12	223	<	19	40	1921	35	103	2	3	0.02	1.60	1.52	2.34	0.49	0.11
L42+00E 42+00N	22	2.5	18	162	497	52	<	<	3		<	6.0	7	10	161	<	16	37	1079	30	76	2	3	0.02	1.51	1.09	2.60	0.45	0.10
L42+00E 42+25N	28	2.6	23	131	453	50	<	<	4		<	8.5	8	10	205	<	14	30	1195	35	110	3	2	0.01	1.39	1.60	2.31	0.41	0.10
L42+00E 42+50N	104	1.3	16	89	111	58	<	<	5		<	1.6	6	11	190	<	16	42	348	31	111	2	2	0.02	1.58	0.27	3.90	0.41	0.21
L42+00E 42+75N	52	2.1	9	81	229	68	<	<	4		<	0.4	7	6	177	<	10	26	548	42	202	4	1	0.01	1.64	0.31	4.94	0.34	0.30
L42+00E 43+00N	48	1.5	6	67	172	42	<	<	5		<	0.1	4	6	169	<	7	22	447	40	227	1	1	0.01	1.16	0.37	4.20	0.27	0.30
L42+00E 43+25N	40	2.6	10	117	223	66	<	<	4		<	1.1	8	7	249	<	11	29	809	57	175	1	2	0.01	1.55	0.34	4.13	0.33	0.23
L42+00E 43+50N	121	3.7	19	108	541	98	<	<	6		4	8.7	6	7	228	<	6	19	972	50	278	4	2	<	1.00	0.85	4.20	0.13	0.31
L42+00E 43+75N	317	5.7	24	128	770	75	<	<	4		2	16.9	7	10	430	<	13	26	527	120	179	5	4	<	2.04	1.16	3.56	0.20	0.21
L42+00E 44+00N	172	4.0	17	356	1093	238	12	<	5		<	13.8	5	7	181	<	8	25	869	56	281	1	2	<	1.07	0.25	5.18	0.12	0.39
L42+00E 44+25N	44	8.8	26	254	1232	133	<	<	3		7	22.3	8	10	504	<	16	41	1083	54	131	1	3	0.01	1.63	0.37	4.12	0.21	0.24
L42+00E 44+50N	29	4.0	19	224	1227	165	<	<	5		4	21.3	8	10	276	<	13	40	902	55	94	1	2	<	1.70	0.30	4.13	0.22	0.21
L42+00E 44+75N	49	9.2	49	314	1358	169	6	<	5		3	45.0	5	11	255	<	11	30	662	88	120	1	2	<	1.49	1.10	2.94	0.18	0.20
L42+50E 38+50N	36	0.5	14	49	140	18	<	<	3		<	1.2	8	11	603	<	14	44	611	30	42	2	3	0.01	1.26	0.35	2.93	0.22	0.15
L42+50E 38+75N	224	1.0	15	60	192	26	<	<	4		<	3.2	10	8	781	<	8	26	1546	31	225	5	2	<	0.94	3.57	2.51	0.16	0.20
L42+50E 39+00N	23	0.5	16	105	174	26	<	<	4		<	0.9	11	13	747	<	20	47	816	20	59	4	3	0.01	1.51	0.49	2.96	0.28	0.15
L42+50E 39+25N	14	0.6	19	147	158	22	<	<	3		<	0.7	10	19	577	<	30	57	640	22	36	6	6	0.06	1.64	0.41	2.92	0.43	0.15
L42+50E 39+50N	163	0.5	13	398	445	9	<	<	5		<	1.0	11	12	537	<	13	35	1471	28	35	6	4	0.01	1.03	0.22	3.82	0.15	0.13
L42+50E 39+75N	17	0.6	14	39	122	18	<	<	8		<	<	8	7	251	<	12	46	514	28	186	5	3	0.02	1.81	0.44	3.46	0.42	0.17
L42+50E 40+00N	37	1.4	21	33	125	28	<	<	8		<	1.8	14	16	424	<	23	61	2813	16	40	2	4	0.04	1.95	0.40	2.98	0.39	0.13
L42+50E 40+25N	21	0.8	14	32	109	18	<	<	7		<	0.2	8	13	223	<	21	58	692	13	53	2	3	0.04	1.65	0.29	3.13	0.43	0.13
L42+50E 40+50N	15	0.9	16	36	106	25	<	<	9		<	0.7	12	15	212	<	26	75	575	12	67	1	3	0.06	1.97	0.39	3.47	0.46	0.13
L42+50E 40+75N	49	0.7	12	27	102	29	<	<	7		<	0.3	10	15	276	<	22	60	502	23	120	4	3	0.04	2.29	0.38	3.86	0.62	0.21
L42+50E 41+00N	12	0.6	9	25	96	16	<	<	6		<	0.7	8	10	222	<	16	50	554	21	80	3	3	0.07	1.42	0.41	2.60	0.45	0.17
L42+50E 41+25N	31	1.2	14	38	120	31	<	<	6		2	1.2	8	10	244	<	17	43	654	22	70	2	3	0.03	1.87	0.48	2.92	0.44	0.18
L42+50E 41+50N	183	0.9	16	41	131	20	<	<	6		<	0.2	9	10	288	<	18	50	601	33	105	3	3	0.04	1.94	0.47	3.21	0.71	0.15
Min Limit	2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	9.99	9.99	9.99	9.99	9.99
Method	FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
iPL 96H0727

Client: Nicholson & Associates | iPL: 96H0727 | Out: Aug 28, 1996 | Page 6 of 11 | Section 2 of 2
Project: None Given | 39B Soil | In: Aug 13, 1996 | [072714:50:36:69082896] | Certified BC Assayer: David Chiu

Sample Name	Na %	P %
L42+00E 38+50N	0.02	0.02
L42+00E 38+75N	0.03	0.02
L42+00E 39+00N	0.02	0.04
L42+00E 39+25N	0.02	0.03
L42+00E 39+50N	0.03	0.02
L42+00E 39+75N	0.03	0.04
L42+00E 40+00N	0.03	0.06
L42+00E 40+25N	0.04	0.06
L42+00E 40+50N	0.04	0.08
L42+00E 40+75N	0.03	0.08
L42+00E 41+00N	0.03	0.07
L42+00E 41+25N	0.06	0.09
L42+00E 41+50N	0.03	0.07
L42+00E 41+75N	0.03	0.08
L42+00E 42+00N	0.03	0.08
L42+00E 42+25N	0.03	0.10
L42+00E 42+50N	0.11	0.06
L42+00E 42+75N	0.17	0.09
L42+00E 43+00N	0.16	0.09
L42+00E 43+25N	0.10	0.08
L42+00E 43+50N	0.12	0.12
L42+00E 43+75N	0.06	0.07
L42+00E 44+00N	0.11	0.10
L42+00E 44+25N	0.05	0.06
L42+00E 44+50N	0.04	0.05
L42+00E 44+75N	0.03	0.07
L42+50E 38+50N	0.02	0.03
L42+50E 38+75N	0.02	0.12
L42+50E 39+00N	0.02	0.03
L42+50E 39+25N	0.03	0.02
L42+50E 39+50N	0.02	0.03
L42+50E 39+75N	0.03	0.05
L42+50E 40+00N	0.03	0.06
L42+50E 40+25N	0.04	0.05
L42+50E 40+50N	0.03	0.20
L42+50E 40+75N	0.06	0.06
L42+50E 41+00N	0.03	0.06
L42+50E 41+25N	0.03	0.08
L42+50E 41+50N	0.04	0.08
Min Limit	0.01	0.01
Max Reported*	5.00	5.00
Method	ICP	ICP

—=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
iPL 96H0727

Client: Nicholson & Associates | iPL: 96H0727 | Out: Aug 28, 1996 | Page 7 of 11 | Section 1 of 2
Project: None Given 398 Soil | In: Aug 13, 1996 | [072714:50:41:69082896] | Certified BC Assayer: David Chiu

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %
L42+50E 41+75N	439	1.2	25	52	194	24	<	<	7	<	9	<	12	10	198	<	14	46	1459	30	63	2	3	0.01	1.32	0.47	4.74	0.52	0.15
L42+50E 42+00N	51	2.5	55	49	223	24	<	<	6	<	<	3.3	9	15	318	<	14	30	3022	82	96	2	2	0.01	1.40	1.47	2.31	0.40	0.11
L42+50E 42+25N	75	2.9	25	238	617	44	<	<	4	<	8	9.2	8	10	100	<	13	34	1447	33	95	2	2	0.02	1.13	1.08	2.70	0.38	0.11
L42+50E 42+50N	30	0.7	15	163	438	57	<	<	4	<	<	4.3	9	16	190	<	25	51	709	21	38	3	3	0.04	1.84	0.24	3.29	0.57	0.15
L42+50E 42+75N	32	1.9	11	50	395	94	<	<	7	<	<	<	8	9	141	<	7	28	470	84	368	3	2	<	1.69	0.15	6.85	0.10	0.40
L42+50E 43+00N	34	1.5	6	63	132	41	<	<	5	<	<	<	2	5	66	<	6	22	143	52	211	1	1	0.01	1.25	0.19	6.09	0.21	0.40
L42+50E 43+25N	72	2.2	8	110	163	39	<	<	4	<	<	<	3	3	243	<	6	26	219	39	212	1	1	0.01	1.08	0.14	4.22	0.20	0.27
L42+50E 43+50N	31	1.5	9	108	158	51	<	<	4	<	<	0.3	4	5	222	<	9	28	232	39	189	2	1	0.01	1.29	0.30	4.23	0.26	0.29
L42+50E 43+75N	42	2.4	11	104	355	74	<	<	5	<	<	1.7	6	6	252	<	9	29	735	35	191	1	1	0.01	1.24	0.49	4.33	0.27	0.29
L42+50E 44+00N	43	3.2	10	83	355	94	<	<	4	<	<	2.2	5	6	304	<	11	28	739	30	181	1	1	0.01	1.33	0.41	4.07	0.24	0.27
L42+50E 44+25N	227	5.1	22	181	881	209	13	<	5	<	4	15.5	5	9	318	<	9	27	870	44	199	5	2	<	1.11	1.71	3.31	0.13	0.12
L43+00E 38+75N	35	1.1	19	59	221	38	<	<	3	<	<	3.8	7	11	262	<	14	28	869	33	138	4	2	0.01	1.08	2.04	1.64	0.33	0.10
L43+00E 39+00N	18	1.1	18	536	592	176	<	<	10	<	<	4.5	9	10	596	<	13	33	959	21	135	4	2	0.01	1.21	0.47	3.61	0.19	0.18
L43+00E 39+25N	43	0.4	22	208	305	23	<	<	4	<	<	1.0	12	20	533	<	32	68	1122	24	40	8	7	0.07	1.65	0.47	3.51	0.46	0.21
L43+00E 39+50N	9	2.0	22	60	172	24	<	<	4	<	<	0.7	11	14	815	<	19	57	1224	19	43	3	4	0.02	1.97	0.46	3.64	0.48	0.15
L43+00E 39+75N	24	1.5	8	39	103	14	<	<	4	<	2	0.4	8	11	451	<	20	61	327	18	58	2	2	0.02	1.81	0.26	3.42	0.34	0.15
L43+00E 40+00N	14	1.8	12	40	105	19	<	<	4	<	<	0.1	9	15	308	<	25	63	372	20	98	1	3	0.03	2.04	0.51	3.60	0.53	0.16
L43+00E 40+25N	10	1.1	12	53	116	22	<	<	6	<	<	0.5	8	14	374	<	22	61	506	19	51	<	2	0.03	1.81	0.27	3.35	0.47	0.20
L43+00E 40+50N	11	0.8	11	31	87	9	<	<	11	<	<	0.6	7	8	452	<	12	46	1094	16	84	1	2	0.02	1.32	0.36	3.16	0.39	0.17
L43+00E 40+75N	75	1.0	16	32	103	21	<	<	7	<	<	1.1	10	12	679	<	17	50	2441	28	110	2	3	0.04	1.62	0.40	3.33	0.49	0.25
L43+00E 41+00N	15	0.8	18	27	92	23	<	<	8	<	<	<	9	16	279	<	23	53	468	18	74	4	3	0.05	1.99	0.35	3.35	0.67	0.20
L43+00E 41+25N	380	1.2	14	52	110	25	<	<	11	<	4	<	9	12	304	<	18	47	813	23	80	2	2	0.03	1.80	0.35	3.91	0.54	0.27
L43+00E 41+50N	19	1.2	19	36	140	28	<	<	11	<	<	0.2	7	12	218	<	16	42	769	25	73	4	3	0.02	2.10	0.58	3.48	0.60	0.17
L43+00E 41+75N	32	1.3	11	45	140	32	<	<	11	<	7	0.3	9	11	233	<	16	45	929	25	57	2	2	0.02	1.75	0.40	3.67	0.52	0.18
L43+00E 42+00N	67	2.3	15	55	160	22	<	<	7	<	3	1.3	13	12	344	<	18	44	1378	49	80	3	4	0.01	1.78	0.42	3.62	0.50	0.19
L43+00E 42+25N	128	1.7	40	77	581	39	<	<	10	<	<	4.3	10	11	238	<	17	45	1523	28	77	3	3	0.02	1.49	0.57	3.76	0.49	0.15
L43+00E 42+50N	315	3.3	26	198	480	42	<	<	4	<	<	7.2	8	10	208	<	15	35	1355	37	95	2	2	0.02	1.32	1.17	2.51	0.39	0.11
L43+00E 42+75N	40	3.5	25	151	407	53	<	<	4	<	2	8.6	8	9	214	<	12	27	1341	34	99	2	2	0.01	1.20	1.18	2.50	0.33	0.10
L43+00E 43+00N	15	1.9	10	96	220	36	<	<	4	<	<	<	6	9	160	<	13	40	234	36	169	2	2	0.02	1.58	0.10	5.32	0.27	0.25
L43+00E 43+25N	27	1.3	9	68	174	50	<	<	5	<	<	<	4	5	133	<	9	26	256	33	158	2	1	0.01	1.23	0.26	4.73	0.28	0.29
L43+00E 43+50N	31	1.5	8	126	162	43	<	<	6	<	<	<	3	6	225	<	9	30	241	28	124	1	1	0.01	1.15	0.19	4.46	0.25	0.17
L43+50E 37+00N	2	0.3	15	41	82	30	<	<	2	<	<	<	9	13	130	<	25	62	423	10	21	2	2	0.03	2.02	0.21	3.01	0.46	0.09
L43+50E 37+25N	2	0.2	14	27	76	35	<	<	2	<	<	0.2	9	17	120	<	28	61	303	10	20	3	3	0.05	2.09	0.18	2.97	0.52	0.09
L43+50E 37+50N	5	0.3	8	29	47	18	<	<	2	<	<	0.2	4	8	134	<	14	53	148	12	19	1	2	0.04	1.10	0.17	1.79	0.20	0.08
L43+50E 37+75N	4	0.6	15	34	108	36	<	<	3	<	<	0.6	10	18	416	<	26	54	457	19	53	4	4	0.03	2.35	0.66	2.93	0.61	0.12
L43+50E 38+00N	<	1.3	11	53	152	26	<	<	2	<	<	0.6	7	11	265	<	18	38	545	15	68	3	3	0.03	1.58	0.85	2.19	0.50	0.14
L43+50E 38+25N	32	0.6	10	63	171	22	<	<	3	<	<	1.1	8	10	165	<	19	39	788	19	47	1	3	0.03	1.36	0.50	2.33	0.46	0.15
L43+50E 38+50N	8	1.9	11	81	236	30	<	<	3	<	<	2.0	8	11	209	<	17	41	549	26	60	1	3	0.02	1.80	0.63	2.43	0.42	0.12
L43+50E 38+75N	9	1.0	10	177	360	29	<	<	3	<	<	3.0	7	31	132	<	17	38	664	19	59	2	2	0.02	1.11	0.67	2.31	0.36	0.10
Min Limit	2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	9.99	9.99	9.99	9.99	9.99
Method	FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
iPL 96H0727

Client: Nicholson & Associates | iPL: 96H0727 | Out: Aug 28, 1996 | Page 7 of 11 | Section 2 of 2
Project: None Given | 398 Soil | In: Aug 13, 1996 | [072714:50:53:69082896] | Certified BC Assayer: David Chiu

Sample Name	Na %	P %
L42+50E 41+75N	0.03	0.12
L42+50E 42+00N	0.02	0.11
L42+50E 42+25N	0.03	0.09
L42+50E 42+50N	0.03	0.03
L42+50E 42+75N	0.25	0.16
L42+50E 43+00N	0.41	0.15
L42+50E 43+25N	0.15	0.10
L42+50E 43+50N	0.14	0.08
L42+50E 43+75N	0.12	0.10
L42+50E 44+00N	0.09	0.07
L42+50E 44+25N	0.03	0.11
L43+00E 38+75N	0.03	0.09
L43+00E 39+00N	0.03	0.04
L43+00E 39+25N	0.03	0.02
L43+00E 39+50N	0.02	0.03
L43+00E 39+75N	0.03	0.05
L43+00E 40+00N	0.03	0.06
L43+00E 40+25N	0.03	0.06
L43+00E 40+50N	0.03	0.09
L43+00E 40+75N	0.06	0.10
L43+00E 41+00N	0.04	0.07
L43+00E 41+25N	0.05	0.08
L43+00E 41+50N	0.03	0.06
L43+00E 41+75N	0.03	0.07
L43+00E 42+00N	0.03	0.06
L43+00E 42+25N	0.03	0.08
L43+00E 42+50N	0.03	0.09
L43+00E 42+75N	0.03	0.09
L43+00E 43+00N	0.17	0.10
L43+00E 43+25N	0.19	0.09
L43+00E 43+50N	0.08	0.10
L43+50E 37+00N	0.02	0.03
L43+50E 37+25N	0.02	0.02
L43+50E 37+50N	0.02	0.02
L43+50E 37+75N	0.02	0.03
L43+50E 38+00N	0.02	0.05
L43+50E 38+25N	0.02	0.04
L43+50E 38+50N	0.02	0.03
L43+50E 38+75N	0.02	0.04
Min Limit	0.01	0.01
Max Reported*	5.00	5.00
Method	ICP	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

CERTIFICATE OF ANALYSIS
iPL 96H0727

INTERNATIONAL PLASMA LABORATORY LTD
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Client: Nicholson & Associates | iPL: 96H0727 | Out: Aug 28, 1996 | Page 8 of 11 | Section 1 of 2
Project: None Given | 398 Soil | In: Aug 13, 1996 | [072714:50:57:69082896] | Certified BC Assayer: David Chiu

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %
L43+50E 39+00N	15	1.0	17	110	299	38	<	<	5	<	<	4.2	10	15	571	<	20	46	583	22	60	4	3	0.01	1.47	0.57	2.85	0.27	0.14
L43+50E 39+25N	33	0.9	48	59	256	23	<	<	5	<	<	0.5	9	14	565	<	22	58	630	26	51	2	4	0.01	2.05	0.35	3.65	0.45	0.10
L43+50E 39+50N	20	1.3	31	89	346	25	<	<	4	<	<	1.4	12	14	1052	<	23	56	1289	26	52	3	3	0.01	2.37	0.48	3.64	0.65	0.14
L43+50E 39+75N	20	1.0	13	44	141	24	<	<	4	<	<	0.4	9	15	571	<	25	60	564	24	65	2	3	0.02	2.14	0.32	3.48	0.56	0.15
L43+50E 40+00N	222	0.9	28	47	211	24	<	<	5	<	<	0.4	12	13	543	<	20	57	1332	32	52	3	3	0.02	2.12	0.40	4.20	0.81	0.25
L43+50E 40+25N	583	2.9	31	216	519	9	<	<	9	<	10	1.0	18	13	223	<	12	44	2084	60	210	6	3	0.01	1.79	0.29	6.90	0.83	0.35
L43+50E 40+50N	64	1.1	24	37	265	24	<	<	4	<	<	3.4	10	12	740	<	23	67	859	19	76	3	3	0.02	2.22	0.95	3.41	0.42	0.16
L43+50E 40+75N	32	1.1	27	37	162	23	<	<	4	<	<	1.5	12	16	434	<	25	63	749	23	35	3	3	0.03	1.98	0.25	3.81	0.52	0.15
L43+50E 41+00N	195	2.0	28	86	244	47	<	<	6	<	8	1.4	15	15	530	<	20	60	1563	26	68	3	3	0.02	2.31	0.36	5.09	0.83	0.20
L43+50E 41+25N	134	1.1	14	40	136	27	<	<	6	<	<	0.4	11	35	300	<	15	45	920	47	101	3	3	0.01	1.84	0.35	3.69	0.63	0.19
L43+50E 41+50N	44	0.9	13	53	177	30	<	<	8	<	<	<	12	12	366	<	14	47	1275	47	128	4	3	0.02	1.87	0.51	4.65	0.74	0.24
L43+50E 41+75N	314	1.4	11	88	167	14	<	<	7	<	<	0.7	13	10	341	<	13	43	1469	48	119	2	2	0.01	1.62	0.31	4.73	0.61	0.33
L43+50E 42+00N	173	2.7	49	95	445	35	<	<	6	<	3	4.3	10	15	423	<	18	44	1398	59	104	4	4	0.01	1.92	1.30	3.91	0.61	0.21
L43+50E 42+25N	168	1.8	38	112	705	47	<	<	8	<	<	5.6	9	9	244	<	14	46	1328	30	111	3	3	0.01	1.44	0.92	4.31	0.37	0.21
L43+50E 42+50N	48	2.0	44	76	506	32	<	<	5	<	5	7.9	4	7	217	<	8	20	697	46	192	4	1	0.01	0.74	2.65	1.83	0.22	0.06
L43+50E 42+75N	35	2.8	23	203	495	41	<	<	4	<	<	7.4	10	12	202	<	17	39	1755	39	87	2	3	0.02	1.44	1.10	2.54	0.42	0.12
L43+50E 43+00N	46	3.0	23	198	482	44	<	<	4	<	<	6.8	8	13	210	<	16	37	1315	37	92	2	3	0.02	1.37	1.13	2.56	0.41	0.11
L44+00E 36+00N	3	0.1	10	19	60	25	<	<	3	<	<	0.4	8	11	120	<	21	50	486	21	53	4	4	0.02	2.01	0.53	2.49	0.48	0.13
L44+00E 36+25N	3	0.2	9	15	58	22	<	<	2	<	<	0.1	7	13	90	<	21	49	268	14	37	2	3	0.04	1.65	0.36	2.37	0.52	0.09
L44+00E 36+50N	4	0.3	13	17	73	34	<	<	3	<	<	0.1	6	10	73	<	15	39	383	19	28	2	3	0.01	1.83	0.34	2.55	0.52	0.12
L44+00E 36+75N	5	0.3	11	13	59	16	<	<	3	<	<	<	6	10	142	<	19	43	338	14	27	1	2	0.03	1.36	0.37	2.31	0.43	0.14
L44+00E 37+00N	7	0.5	17	24	71	36	<	<	2	<	<	0.5	9	13	286	<	18	40	1477	24	37	4	3	0.02	1.96	0.66	2.59	0.44	0.14
L44+00E 37+25N	10	0.2	10	15	53	27	<	<	3	<	<	0.1	8	14	137	<	24	59	312	13	28	1	3	0.04	1.91	0.29	2.57	0.51	0.08
L44+00E 37+50N	12	0.2	7	21	54	28	<	<	2	<	<	0.2	6	10	176	<	17	48	376	17	34	1	2	0.01	1.82	0.42	2.40	0.41	0.11
L44+00E 37+75N	7	0.4	13	29	69	28	<	<	2	<	<	0.4	11	18	207	<	30	65	818	17	41	2	4	0.06	2.25	0.52	2.95	0.58	0.13
L44+00E 38+00N	5	0.4	15	27	84	36	<	<	3	<	<	<	11	20	231	<	33	74	764	18	41	3	5	0.06	2.36	0.51	3.15	0.53	0.19
L44+00E 38+25N	2	0.1	13	70	173	63	5	<	2	<	<	0.5	12	19	264	<	29	65	780	15	34	4	4	0.04	2.69	0.36	3.31	0.73	0.14
L44+00E 38+50N	37	3.0	36	87	208	25	<	<	2	<	<	7.6	5	12	354	<	15	29	1319	61	167	4	2	0.02	1.30	2.71	1.53	0.27	0.10
L44+00E 38+75N	44	6.0	25	254	626	55	<	<	5	<	4	7.8	4	5	150	<	6	23	632	22	88	4	2	<	0.63	0.92	3.02	0.12	0.12
L44+00E 39+00N	31	2.5	17	256	536	33	<	<	4	<	<	7.7	9	14	238	<	12	28	1330	32	101	3	3	0.01	0.84	1.33	2.09	0.22	0.09
L44+00E 39+50N	12	0.8	17	83	215	25	<	<	4	<	<	3.1	13	19	692	<	30	64	787	18	48	3	4	0.05	2.04	0.41	3.25	0.48	0.16
L44+00E 39+75N	77	1.9	9	230	343	21	<	<	5	<	<	3.1	16	11	1187	<	9	37	4167	56	92	3	3	<	1.03	0.56	4.10	0.15	0.13
L44+00E 40+00N	103	1.4	35	190	265	12	<	<	4	<	<	2.9	11	10	908	<	10	35	3573	46	151	5	3	<	0.85	3.81	3.14	0.16	0.17
L44+00E 40+25N	25	0.9	17	110	227	29	<	<	4	<	<	2.8	11	15	699	<	22	49	1538	37	99	4	5	0.03	1.70	1.14	3.03	0.39	0.24
L44+00E 40+50N	45	1.6	26	459	712	25	<	<	4	<	2	8.1	12	13	878	<	17	45	1803	61	65	4	3	0.01	1.55	0.65	3.57	0.27	0.26
L44+00E 40+75N	45	1.0	42	304	1216	34	<	<	5	<	<	10.9	13	14	702	<	20	58	1809	55	51	3	5	0.01	1.78	0.50	4.53	0.36	0.18
L44+00E 41+00N	58	1.5	34	89	807	41	<	<	3	<	3	11.5	13	16	721	<	25	63	1631	28	64	5	5	0.02	2.46	0.93	3.83	0.51	0.15
L44+00E 41+25N	167	3.9	174	724	1653	49	<	<	5	<	<	12.9	10	13	213	<	17	44	2059	135	25	4	6	0.01	2.13	0.41	3.77	0.74	0.15
L44+00E 41+50N	41	3.5	40	118	577	53	<	<	3	<	3	11.8	12	17	430	<	22	56	2010	29	51	4	5	0.02	2.30	0.76	3.77	0.65	0.18
Min Limit	2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	9.99	9.99	9.99	9.99	9.99
Method	FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
iPL 96H0727

Client: Nicholson & Associates | iPL: 96H0727 | Out: Aug 28, 1996 | Page 8 of 11 | Section 2 of 2
Project: None Given 398 Soil | In: Aug 13, 1996 [072714:51:09:69082896] | Certified BC Assayer: David Chiu

Sample Name	Na %	P %
L43+50E 39+00N	0.02	0.02
L43+50E 39+25N	0.02	0.03
L43+50E 39+50N	0.03	0.07
L43+50E 39+75N	0.03	0.04
L43+50E 40+00N	0.02	0.04
L43+50E 40+25N	0.11	0.16
L43+50E 40+50N	0.03	0.06
L43+50E 40+75N	0.02	0.03
L43+50E 41+00N	0.04	0.05
L43+50E 41+25N	0.04	0.08
L43+50E 41+50N	0.07	0.13
L43+50E 41+75N	0.05	0.10
L43+50E 42+00N	0.03	0.11
L43+50E 42+25N	0.05	0.05
L43+50E 42+50N	0.03	0.11
L43+50E 42+75N	0.03	0.08
L43+50E 43+00N	0.03	0.09
L44+00E 36+00N	0.02	0.02
L44+00E 36+25N	0.02	0.01
L44+00E 36+50N	0.02	0.03
L44+00E 36+75N	0.02	0.02
L44+00E 37+00N	0.03	0.04
L44+00E 37+25N	0.02	0.02
L44+00E 37+50N	0.02	0.02
L44+00E 37+75N	0.03	0.02
L44+00E 38+00N	0.03	0.02
L44+00E 38+25N	0.03	0.03
L44+00E 38+50N	0.03	0.06
L44+00E 38+75N	0.02	0.07
L44+00E 39+00N	0.02	0.08
L44+00E 39+50N	0.02	0.03
L44+00E 39+75N	0.03	0.08
L44+00E 40+00N	0.02	0.11
L44+00E 40+25N	0.03	0.05
L44+00E 40+50N	0.02	0.06
L44+00E 40+75N	0.02	0.05
L44+00E 41+00N	0.03	0.02
L44+00E 41+25N	0.02	0.05
L44+00E 41+50N	0.02	0.04
Min Limit	0.01	0.01
Max Reported*	5.00	5.00
Method	ICP	ICP

—=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
iPL 96H0727

Client: Nicholson & Associates
Project: None Given 398 Soil

iPL: 96H0727

Out: Aug 28, 1996
In: Aug 13, 1996

[072714:51:14:69082896]

Section 1 of 2
Certified BC Assayer: David Chiu

Sample Name			Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %
L44+00E	41+75N		547	5.3	32	96	296	62	<	<	5	<	4	2.7	12	13	488	<	16	45	2250	62	67	5	4	0.01	1.87	0.93	4.13	0.69	0.16
L44+00E	42+00N		322	3.0	30	144	1526	44	5	<	3	<	<	20.6	10	13	197	<	17	42	1442	38	73	3	4	0.01	1.29	0.86	3.41	0.39	0.13
L44+00E	42+25N		127	1.8	19	81	219	32	<	<	6	<	<	1.3	9	13	371	<	16	41	1248	33	138	4	3	0.01	1.59	1.34	3.70	0.53	0.16
L44+00E	42+50N		299	2.5	41	81	252	23	<	<	6	<	<	2.2	6	10	285	<	12	33	617	51	119	4	3	0.01	1.25	1.46	3.11	0.41	0.13
L44+50E	36+00N		12	0.2	11	19	73	29	<	<	2	<	<	0.3	8	12	102	<	22	48	426	10	91	3	4	0.03	1.92	0.54	2.65	0.56	0.14
L44+50E	36+25N		6	0.3	8	17	59	23	<	<	4	<	<	0.7	6	9	141	<	14	41	356	13	24	2	2	0.01	1.37	0.29	2.23	0.37	0.08
L44+50E	36+50N		6	0.2	9	20	66	21	<	<	3	<	<	0.4	7	9	94	<	15	38	316	16	25	2	2	0.01	1.33	0.28	2.34	0.47	0.15
L44+50E	36+75N		3	0.2	9	27	80	37	<	<	3	<	<	0.4	6	10	72	<	15	41	323	18	29	2	2	0.01	1.53	0.36	2.60	0.48	0.10
L44+50E	37+00N		16	0.2	9	36	55	28	<	<	2	<	<	0.3	6	12	100	<	23	48	248	13	33	2	2	0.02	1.51	0.37	2.36	0.51	0.08
L44+50E	37+25N		30	<	9	23	50	21	<	<	2	<	<	0.1	6	10	101	<	17	41	259	15	25	2	2	0.02	1.31	0.32	2.06	0.41	0.09
L44+50E	37+50N		36	0.6	6	34	82	29	<	<	2	<	<	0.6	6	10	177	<	16	43	377	18	88	2	2	0.01	1.50	0.34	2.39	0.39	0.11
L44+50E	37+75N		34	0.2	10	22	87	24	<	<	2	<	<	1.2	7	13	235	<	21	55	483	12	25	2	2	0.03	1.55	0.21	2.41	0.39	0.08
L44+50E	38+00N		<	1.4	8	174	311	36	<	<	3	<	2	4.0	4	9	220	<	12	46	430	11	52	1	1	0.01	1.14	0.27	2.57	0.18	0.10
L44+50E	38+25N		15	3.3	16	287	541	41	<	<	3	<	<	10.6	8	9	511	<	14	38	1544	19	51	1	2	0.01	1.47	0.37	2.72	0.32	0.12
L44+50E	38+50N		4	2.2	10	125	366	23	<	<	2	<	<	3.0	7	7	205	<	13	40	876	13	50	2	2	0.02	1.11	0.65	2.34	0.36	0.12
L44+50E	38+75N		13	1.2	15	207	544	24	<	<	3	<	<	5.0	7	10	244	<	15	33	1133	25	66	1	2	0.02	1.18	0.92	2.19	0.34	0.09
L44+50E	39+00N		12	1.6	18	134	625	52	<	<	4	<	<	7.0	7	8	220	<	13	34	532	54	50	1	2	0.01	1.11	0.38	2.80	0.23	0.08
L44+50E	39+25N		19	2.1	26	259	325	58	<	<	3	<	<	4.9	9	10	221	<	18	44	339	37	59	1	2	0.01	1.49	0.50	2.96	0.24	0.10
L44+50E	39+50N		43	1.4	15	182	410	22	<	<	4	<	<	2.0	9	14	550	<	21	48	1058	24	60	4	3	0.01	1.65	0.59	3.43	0.42	0.15
L44+50E	39+75N		80	0.3	20	117	236	21	<	<	4	<	<	0.6	10	14	531	<	17	49	1466	25	45	5	5	0.01	1.53	0.52	3.58	0.26	0.14
L44+50E	40+00N		34	3.5	25	219	387	64	<	<	7	<	<	4.6	12	14	762	<	15	44	2020	55	78	6	4	<	1.48	0.95	3.21	0.20	0.12
L44+50E	40+25N		45	2.0	27	830	900	41	<	<	4	<	<	13.6	11	10	635	<	9	28	2983	53	102	3	2	<	0.69	1.42	2.95	0.10	0.16
L44+50E	40+50N		12	0.7	22	241	559	27	<	<	4	<	<	7.2	12	14	656	<	22	50	1357	22	58	2	3	0.02	1.47	0.57	3.37	0.35	0.17
L44+50E	40+75N		65	1.6	50	501	1496	41	<	<	5	<	<	14.8	14	18	864	<	23	57	1739	52	75	4	5	0.02	1.90	1.09	4.09	0.50	0.24
L44+50E	41+00N		423	3.0	212	238	1919	53	<	<	6	<	7	18.2	12	16	331	<	19	55	2473	56	31	7	5	0.01	2.41	0.47	4.89	1.04	0.15
L44+50E	41+25N		86	1.8	68	285	1443	37	<	<	3	<	<	12.1	11	17	500	<	24	53	1222	45	111	3	4	0.03	1.96	1.25	3.21	0.56	0.16
L44+50E	41+50N		174	4.3	59	104	720	55	<	<	4	<	<	10.4	10	19	321	<	24	52	1320	57	82	4	5	0.03	1.93	1.03	3.66	0.71	0.18
L44+50E	41+75N		211	3.7	53	71	490	23	<	<	3	<	<	14.6	7	13	336	<	14	27	1244	31	259	3	2	0.01	1.11	2.67	1.98	0.43	0.10
L44+50E	42+25N		37	3.6	18	158	300	35	<	<	4	<	2	1.7	5	6	222	<	12	27	730	18	138	2	2	0.01	1.06	1.54	2.43	0.36	0.09
L44+50E	42+50N		35	4.1	41	151	324	24	<	<	3	<	7	13.6	7	11	277	<	13	21	1469	58	119	2	2	0.01	1.03	1.47	1.84	0.29	0.08
L44+50E	42+75N	NS	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
L44+50E	43+00N		24	3.1	21	208	422	37	<	<	3	<	<	2.9	8	10	164	<	16	32	1629	17	101	1	2	0.01	1.20	1.45	2.07	0.38	0.09
L45+00E	36+75N		<	0.2	13	35	121	33	<	<	3	<	<	0.6	7	9	86	<	10	29	555	33	34	2	2	0.01	1.53	0.33	2.71	0.51	0.19
L45+00E	37+00N		<	0.1	11	17	80	31	<	<	2	<	<	0.1	7	12	79	<	19	48	307	21	27	2	2	0.02	1.74	0.34	2.64	0.55	0.13
L45+00E	37+25N		<	0.2	8	17	76	28	<	<	3	<	<	0.5	7	10	88	<	13	41	357	20	35	2	2	0.01	1.60	0.27	2.46	0.46	0.10
L45+00E	37+50N		2	0.3	7	22	71	21	<	<	3	<	<	0.4	6	8	94	<	11	35	327	21	24	2	2	0.01	1.50	0.34	2.21	0.44	0.11
L45+00E	37+75N		<	0.4	9	21	81	17	<	<	3	<	<	0.3	6	9	97	<	13	39	268	20	27	2	2	0.01	1.51	0.33	2.51	0.32	0.12
L45+00E	38+00N		<	2.3	12	426	267	111	<	<	4	<	<	0.5	6	9	107	<	13	35	772	24	58	2	2	0.01	1.44	0.30	3.02	0.29	0.15
L45+00E	38+25N		<	0.7	10	44	142	32	<	<	2	<	<	1.1	8	15	193	<	23	56	446	15	28	2	3	0.02	1.83	0.40	2.67	0.39	0.10
Min Limit			2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*			9999	99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	9.99	9.99	9.99	9.99	9.99
Method			FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
iPL 96H0727

Client: Nicholson & Associates | iPL: 96H0727 | Out: Aug 28, 1996 | | Section 2 of 2
Project: None Given 398 Soil | In: Aug 13, 1996 [072714:51:25:69082896] | Certified BC Assayer: David Chiu

Sample Name	Na %	P %
L44+00E 41+75N	0.02	0.05
L44+00E 42+00N	0.02	0.05
L44+00E 42+25N	0.03	0.07
L44+00E 42+50N	0.02	0.09
L44+50E 36+00N	0.02	0.02
L44+50E 36+25N	0.02	0.02
L44+50E 36+50N	0.02	0.02
L44+50E 36+75N	0.02	0.02
L44+50E 37+00N	0.02	0.01
L44+50E 37+25N	0.02	0.01
L44+50E 37+50N	0.02	0.02
L44+50E 37+75N	0.02	0.02
L44+50E 38+00N	0.02	0.04
L44+50E 38+25N	0.02	0.06
L44+50E 38+50N	0.02	0.04
L44+50E 38+75N	0.02	0.07
L44+50E 39+00N	0.02	0.07
L44+50E 39+25N	0.02	0.15
L44+50E 39+50N	0.02	0.04
L44+50E 39+75N	0.02	0.04
L44+50E 40+00N	0.02	0.07
L44+50E 40+25N	0.01	0.10
L44+50E 40+50N	0.02	0.04
L44+50E 40+75N	0.02	0.05
L44+50E 41+00N	0.02	0.04
L44+50E 41+25N	0.02	0.04
L44+50E 41+50N	0.02	0.05
L44+50E 41+75N	0.02	0.07
L44+50E 42+25N	0.03	0.08
L44+50E 42+50N	0.02	0.10
L44+50E 42+75N NS	—	—
L44+50E 43+00N	0.02	0.09
L45+00E 36+75N	0.02	0.04
L45+00E 37+00N	0.02	0.02
L45+00E 37+25N	0.02	0.02
L45+00E 37+50N	0.02	0.02
L45+00E 37+75N	0.02	0.02
L45+00E 38+00N	0.02	0.03
L45+00E 38+25N	0.02	0.02
Min Limit	0.01	0.01
Max Reported*	5.00	5.00
Method	ICP	ICP

—=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
iPL 96H0727

Client: Nicholson & Associates | iPL: 96H0727 | Out: Aug 28, 1996 | Page 10 of 11 | Section 1 of 2
Project: None Given 398 Soil | In: Aug 13, 1996 | [072714:51:30:69082896] | Certified BC Assayer: David Chiu

Sample Name			Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %
L45+00E	38+50N	S	<	0.9	13	102	235	46	<	<	3	<	<	2.3	9	15	250	<	25	50	713	24	39	3	4	0.03	1.82	0.46	2.87	0.50	0.17
L45+00E	38+75N	S	110	28.2	22	723	277	817	<	<	10	<	<	0.1	1	3	36	<	1	13	137	18	330	2	1	<	0.49	0.32	8.23	0.04	0.79
L45+00E	39+00N	S	36	4.9	24	525	1307	95	<	<	4	<	<	13.8	10	14	324	<	17	40	1740	38	101	2	4	0.01	1.53	0.69	3.82	0.32	0.24
L45+00E	39+25N	S	22	4.5	18	164	732	60	<	<	5	<	<	4.3	8	8	236	<	10	38	970	29	123	2	2	<	1.10	1.08	3.84	0.15	0.13
L45+00E	39+50N	S	20	3.4	18	182	511	80	<	<	6	<	<	7.5	9	12	506	<	13	42	1417	43	94	1	2	0.01	1.53	0.29	4.04	0.22	0.18
L45+00E	39+75N	S	7	1.2	10	107	253	48	<	<	7	<	<	0.2	7	10	345	<	14	50	325	32	140	1	2	0.01	1.70	0.16	4.76	0.19	0.14
L45+00E	40+00N	S	43	1.1	59	132	975	113	<	<	7	<	<	<	7	9	178	<	12	40	448	49	81	4	2	0.01	1.58	0.08	5.36	0.19	0.12
L45+00E	40+25N	S	33	1.8	31	192	684	49	<	<	3	<	4	12.3	9	14	365	<	14	31	1688	47	115	4	3	0.01	1.43	1.34	2.66	0.34	0.12
L45+00E	40+50N	S	32	1.6	21	168	464	43	<	<	3	<	4	6.8	9	9	282	<	13	32	899	36	115	3	2	0.01	1.11	1.39	2.23	0.31	0.11
L45+00E	40+75N	S	23	1.8	13	146	321	46	<	<	4	<	<	3.3	7	8	247	<	14	38	966	18	103	2	2	0.01	1.07	1.18	2.12	0.32	0.10
L45+00E	41+00N	S	35	1.8	21	210	467	67	<	<	8	<	<	11.3	17	12	403	<	14	34	3838	38	145	3	3	0.01	0.94	1.79	2.96	0.30	0.10
L45+00E	41+25N	S	41	1.4	23	121	398	42	<	<	4	<	<	6.0	7	11	283	<	13	26	1421	32	160	4	2	0.01	0.85	2.29	1.87	0.29	0.09
L45+00E	41+50N	S	26	1.4	36	158	431	26	<	<	4	<	<	5.2	9	19	428	<	26	46	1097	41	79	3	4	0.05	1.51	0.85	2.44	0.54	0.12
L45+00E	42+00N	S	72	2.0	33	372	994	31	<	<	3	<	<	7.9	9	17	217	<	25	47	801	37	44	8	6	0.06	1.81	0.66	2.56	0.76	0.16
L45+50E	37+00N	S	6	0.3	17	24	63	16	<	<	2	<	<	0.3	4	7	166	<	12	35	225	52	59	2	2	0.01	1.50	0.89	1.54	0.20	0.09
L45+50E	37+25N	S	<	0.1	8	29	98	17	<	<	2	<	<	0.4	7	8	103	<	11	36	687	28	48	3	3	0.02	1.50	0.77	2.33	0.54	0.12
L45+50E	37+50N	S	<	0.2	11	25	85	26	<	<	2	<	<	0.4	8	11	269	<	16	45	663	20	33	2	3	0.02	1.84	0.34	2.54	0.35	0.14
L45+50E	37+75N	S	<	0.1	10	21	83	22	<	<	2	<	<	0.5	6	10	102	<	16	44	234	18	21	1	2	0.02	1.71	0.27	2.39	0.36	0.10
L45+50E	38+00N	S	<	0.2	8	23	98	37	<	<	2	<	<	0.2	6	9	117	<	15	44	367	18	29	2	2	0.01	2.02	0.46	2.41	0.42	0.08
L45+50E	38+25N	S	<	0.2	13	27	85	28	<	<	2	<	<	0.1	9	17	127	<	29	55	330	17	30	4	5	0.05	1.96	0.42	2.80	0.53	0.13
L45+50E	38+50N	S	<	0.5	18	48	165	45	<	<	3	<	<	2.3	9	17	233	<	27	55	471	17	37	3	3	0.03	2.00	0.38	2.98	0.60	0.18
L45+50E	38+75N	S	6	2.5	17	892	1332	105	<	<	5	<	<	5.8	7	4	104	<	7	25	1880	30	40	2	2	<	1.38	0.40	3.73	0.43	0.14
L45+50E	39+00N	S	4	2.4	13	282	526	51	<	<	4	<	<	3.1	8	9	205	<	15	50	818	18	45	2	2	0.01	1.86	0.46	3.18	0.33	0.13
L45+50E	39+25N	S	15	3.8	15	220	1030	69	<	<	5	<	<	9.2	7	9	280	<	14	36	1992	69	72	2	4	0.01	1.28	0.66	3.59	0.27	0.21
L45+50E	39+50N	S	49	2.0	27	452	1795	96	<	<	7	<	7	11.6	10	8	141	<	9	32	1179	28	81	2	2	<	1.15	0.27	4.95	0.12	0.15
L45+50E	39+75N	S	37	1.9	18	123	879	84	<	<	7	<	<	3.7	7	9	147	<	19	34	654	29	110	2	3	0.01	1.07	0.66	4.20	0.19	0.15
L45+50E	40+00N	S	129	2.1	18	69	276	40	<	<	10	<	4	3.7	5	10	401	<	9	17	352	36	203	5	2	<	1.10	1.75	2.72	0.14	0.13
L45+50E	40+25N	S	35	1.6	24	162	349	34	<	<	2	<	4	4.9	6	11	273	<	14	27	592	36	146	3	2	0.01	1.16	1.81	1.80	0.29	0.09
L45+50E	40+50N	S	31	1.7	23	123	361	28	<	<	3	<	<	9.7	8	10	332	<	11	23	1630	31	168	3	2	0.01	0.91	2.10	1.69	0.24	0.08
L45+50E	40+75N	S	36	1.7	21	131	393	27	<	<	2	<	3	8.1	6	8	267	<	11	21	780	33	139	3	2	0.01	0.88	1.76	1.61	0.25	0.09
L45+50E	41+00N	S	89	1.5	16	139	360	51	<	<	4	<	<	4.5	7	8	226	<	12	31	807	30	107	2	2	0.01	1.03	1.35	2.43	0.34	0.09
L46+00E	37+00N	S	2	0.2	10	32	79	43	<	<	2	<	<	<	9	15	151	<	20	53	409	24	28	4	3	0.02	2.60	0.31	3.22	0.57	0.11
L46+00E	37+25N	S	<	0.3	12	30	80	27	<	<	3	<	<	0.5	6	11	199	<	16	45	569	39	65	2	3	0.01	2.19	0.80	2.65	0.44	0.09
L46+00E	37+50N	S	<	0.2	16	25	120	36	<	<	3	<	<	<	10	17	262	<	22	57	2044	26	63	1	3	0.03	2.44	0.83	3.05	0.52	0.16
L46+00E	37+75N	S	<	0.3	11	46	108	32	<	<	4	<	<	<	7	8	195	<	10	38	1437	43	37	1	3	0.01	1.73	0.62	3.01	0.48	0.11
L46+00E	38+00N	S	<	0.2	10	22	100	23	<	<	4	<	<	0.1	6	14	192	<	19	28	943	26	57	1	2	0.01	1.32	0.58	1.95	0.35	0.13
L46+00E	38+25N	S	39	0.4	18	24	86	23	<	<	2	<	<	0.5	7	11	250	<	16	30	803	39	173	3	2	0.02	1.46	1.91	1.69	0.42	0.12
L46+00E	38+50N	S	4	0.9	11	34	138	37	<	<	3	<	<	1.3	7	12	175	<	17	43	816	25	81	2	2	0.01	1.39	0.90	2.93	0.40	0.11
L46+00E	38+75N	S	4	0.4	12	77	429	34	<	<	3	<	<	7.2	9	14	274	<	22	50	1051	19	51	2	3	0.03	1.77	0.60	2.89	0.40	0.25
Min Limit			2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*			9999	99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	9.99	9.99	9.99	9.99	9.99
Method			FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
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Client: Nicholson & Associates | iPL: 96H0727 | Out: Aug 28, 1996 | Page 10 of 11 | Section 2 of 2
Project: None Given 398 Soil | In: Aug 13, 1996 [072714:51:42:69082896] | Certified BC Assayer: David Chiu

Sample Name	Na %	P %
L45+00E 38+50N	0.02	0.02
L45+00E 38+75N	0.39	0.05
L45+00E 39+00N	0.03	0.06
L45+00E 39+25N	0.03	0.06
L45+00E 39+50N	0.05	0.06
L45+00E 39+75N	0.08	0.08
L45+00E 40+00N	0.06	0.10
L45+00E 40+25N	0.03	0.08
L45+00E 40+50N	0.02	0.07
L45+00E 40+75N	0.02	0.08
L45+00E 41+00N	0.02	0.08
L45+00E 41+25N	0.02	0.08
L45+00E 41+50N	0.03	0.06
L45+00E 42+00N	0.03	0.07
L45+50E 37+00N	0.02	0.04
L45+50E 37+25N	0.03	0.09
L45+50E 37+50N	0.02	0.02
L45+50E 37+75N	0.02	0.02
L45+50E 38+00N	0.02	0.01
L45+50E 38+25N	0.02	0.01
L45+50E 38+50N	0.02	0.02
L45+50E 38+75N	0.01	0.05
L45+50E 39+00N	0.02	0.03
L45+50E 39+25N	0.02	0.04
L45+50E 39+50N	0.04	0.08
L45+50E 39+75N	0.03	0.08
L45+50E 40+00N	0.04	0.09
L45+50E 40+25N	0.02	0.09
L45+50E 40+50N	0.02	0.08
L45+50E 40+75N	0.02	0.08
L45+50E 41+00N	0.02	0.09
L46+00E 37+00N	0.02	0.06
L46+00E 37+25N	0.02	0.06
L46+00E 37+50N	0.03	0.06
L46+00E 37+75N	0.02	0.11
L46+00E 38+00N	0.02	0.10
L46+00E 38+25N	0.03	0.10
L46+00E 38+50N	0.02	0.04
L46+00E 38+75N	0.02	0.03
Min Limit	0.01	0.01
Max Reported*	5.00	5.00
Method	ICP	ICP

—=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
iPL 96H0727

Client: Nicholson & Associates | iPL: 96H0727 | Out: Aug 28, 1996 | Page 11 of 11 | Section 1 of 2
Project: None Given | 398 Soil | In: Aug 13, 1996 | [072714:51:46:69082896] | Certified BC Assayer: David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %
L46+00E	39+00N	27	3.6	18	368	824	67	<	<	4	<	<	9.1	9	11	321	<	17	42	1036	36	75	3	3	0.01	1.43	0.47	3.20	0.33	0.17
L46+00E	39+25N	10	1.4	18	193	465	29	<	<	2	<	<	6.5	9	12	252	<	17	33	737	23	133	3	3	0.03	1.12	1.93	2.02	0.39	0.11
L46+00E	39+50N	21	3.5	14	290	733	47	<	<	4	<	<	5.6	7	7	165	<	8	25	1442	23	198	2	1	0.01	0.70	1.83	2.80	0.21	0.12
L46+00E	39+75N	44	4.7	22	242	1273	53	<	<	5	<	<	13.1	7	9	291	<	9	25	2656	31	168	2	1	0.01	0.82	1.74	2.70	0.16	0.09
L46+00E	40+00N	18	2.2	18	160	718	69	<	<	6	<	4	2.5	6	7	145	<	9	31	482	19	134	2	1	<	0.75	1.28	3.54	0.10	0.10
L46+00E	40+25N	61	2.4	26	173	326	35	<	<	3	<	6	9.8	6	10	201	<	14	23	1049	38	111	4	2	0.01	1.07	1.62	1.70	0.29	0.10
L46+00E	40+50N	46	2.1	39	120	436	45	<	<	4	<	<	11.8	5	14	376	<	14	18	929	64	212	3	1	0.01	0.79	3.17	1.67	0.19	0.07
L46+00E	40+75N	50	2.2	33	170	366	43	<	<	4	<	3	8.3	8	13	336	<	14	22	1244	76	141	3	1	0.01	0.92	1.71	2.09	0.22	0.07
Min Limit		2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	9.99	9.99	9.99	9.99	9.99
Method		FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

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CERTIFICATE OF ANALYSIS
iPL 96H0727

Client: Nicholson & Associates | iPL: 96H0727 | Out: Aug 28, 1996 | Page 11 of 11 | Section 2 of 2
Project: None Given | 398 Soil | In: Aug 13, 1996 | [072714:51:51:69082896] | Certified BC Assayer: David Chiu

Sample Name	Na %	P %
L46+00E 39+00N	0.02	0.03
L46+00E 39+25N	0.03	0.06
L46+00E 39+50N	0.03	0.08
L46+00E 39+75N	0.02	0.07
L46+00E 40+00N	0.03	0.05
L46+00E 40+25N	0.03	0.11
L46+00E 40+50N	0.04	0.11
L46+00E 40+75N	0.02	0.10
Min Limit	0.01	0.01
Max Reported*	5.00	5.00
Method	ICP	ICP

DAVID CAM

46+00E — 49+00E (PART OF)

Lab 46+00E — 37+00E EXCL 37+50E.

—=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

48+00 N

47+00 N

46+00 N

45+00 N

44+00 N

43+00 N

42+00 N

41+00 N

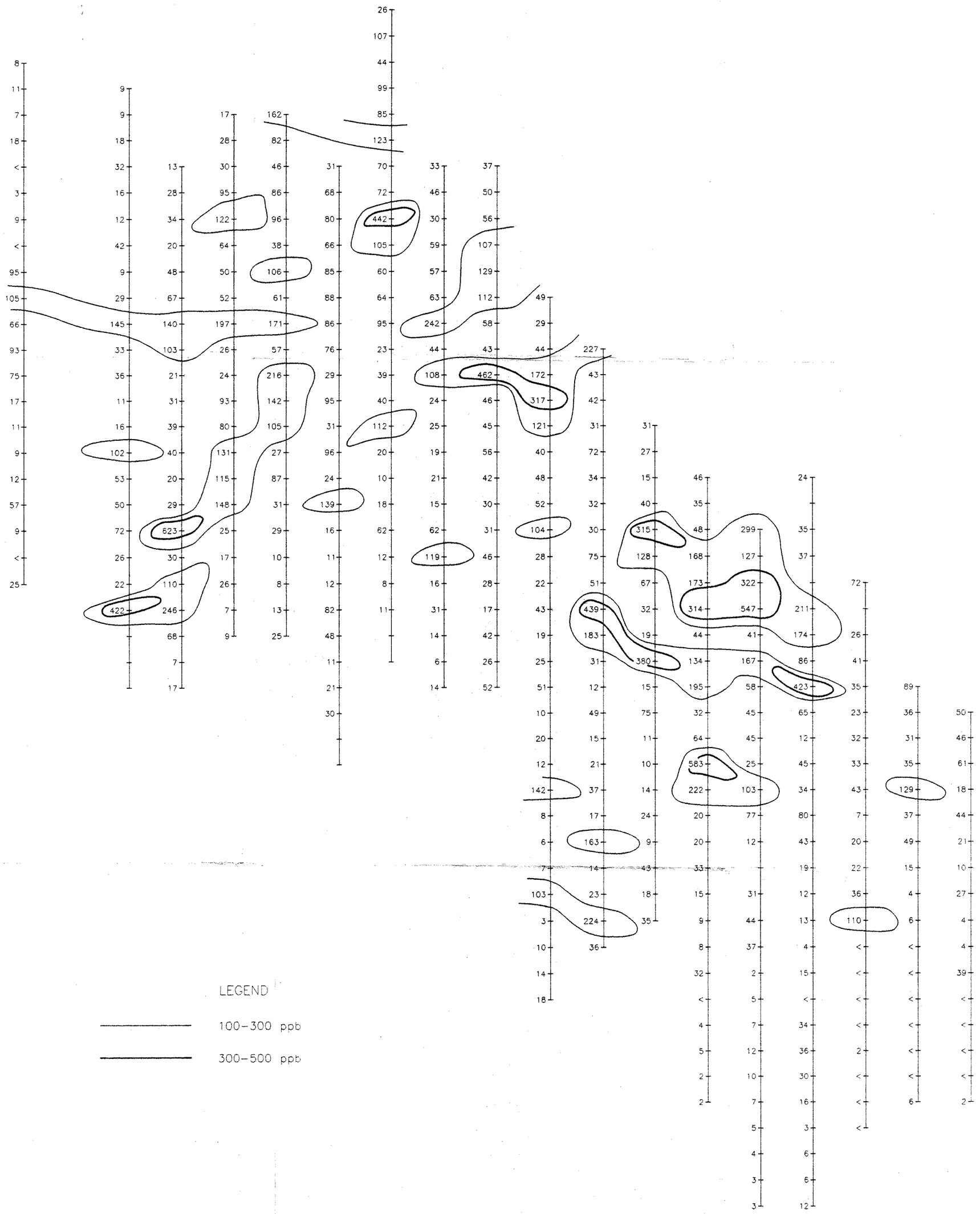
40+00 N

39+00 N

38+00 N

37+00 N

36+00 N



L 37+00 E

L 38+00 E

L 38+50 E

L 39+00 E

L 39+50 E

L 40+00 E

L 40+50 E

L 41+00 E

L 41+50 E

L 42+00 E

L 42+50 E

L 43+00 E

L 43+50 E

L 44+00 E

L 44+50 E

L 45+00 E

L 45+50 E

L 46+00 E

093686

DWG (1)

NICHOLSON & ASSOCIATES	
CARMACKS PROJECT WHITEHORSE M.D. YUKON TERRITORY	
Soil Geochemistry Au	
SCALE 1:2500	DATE: MAY 1997
NTS: 115I/12	FIGURE: 6

48+00 N

47+00 N

46+00 N

45+00 N

44+00 N

43+00 N

42+00 N

41+00 N

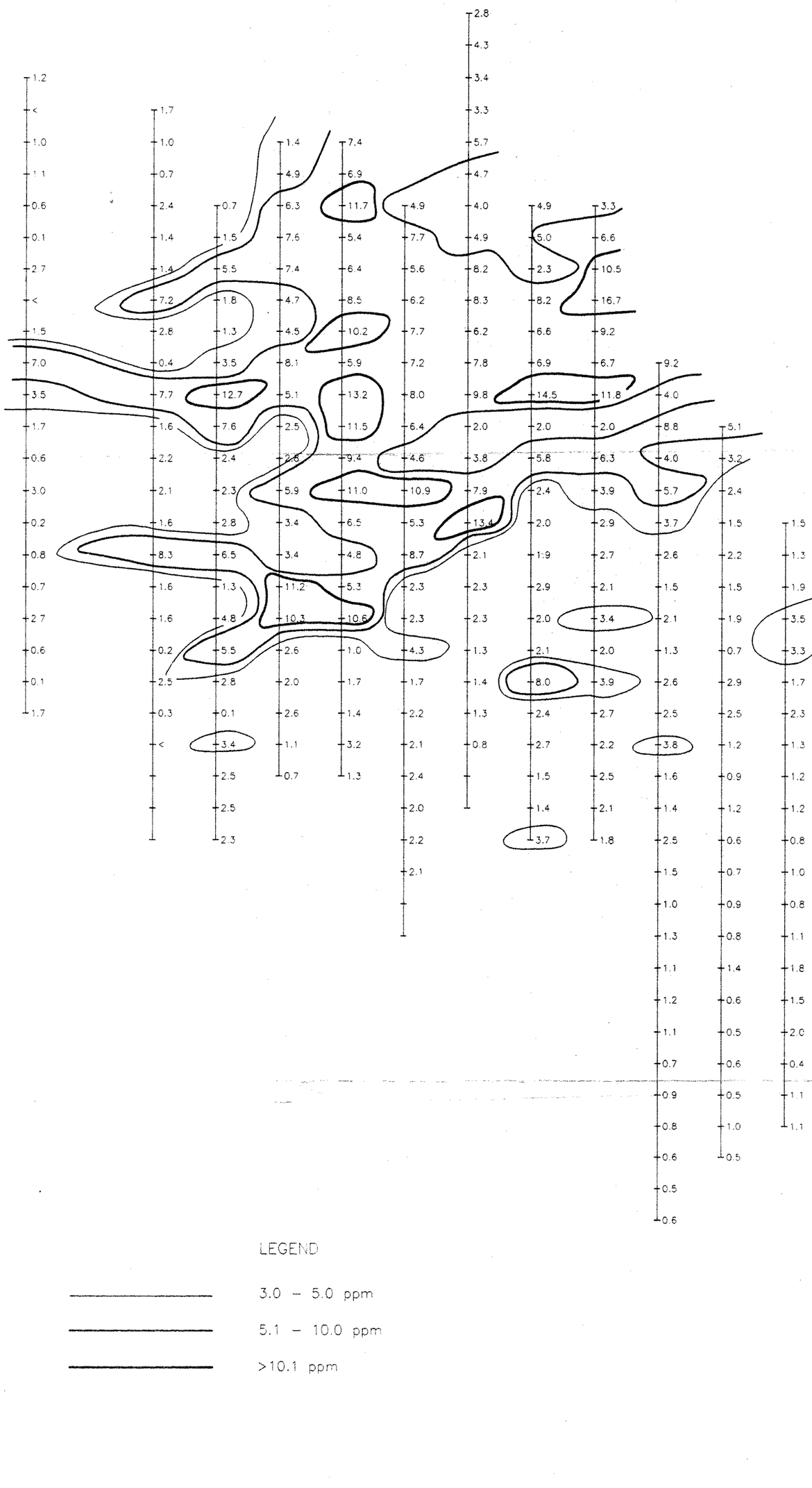
40+00 N

39+00 N

38+00 N

37+00 N

36+00 N



LEGEND

3.0 – 5.0 ppm

5.1 – 10.0 ppm

>10.1 ppm

L 37+00 E

L 38+00 E

L 38+50 E

L 39+00 E

L 39+50 E

L 40+00 E

L 40+50 E

L 41+00 E

L 41+50 E

L 42+00 E

L 42+50 E

L 43+00 E

L 43+50 E

L 44+00 E

L 44+50 E

L 45+00 E

L 45+50 E

L 46+00 E

093686

Dwg (2)

NICHOLSON & ASSOCIATES

CARMACKS PROJECT

WHITEHORSE M.D.
YUKON TERRITORY

Soil Geochemistry Ag

SCALE 1:2500	DATE: MAY 1997
NTS: 115I/12	FIGURE: 7

48+00 N

47+00 N

46+00 N

45+00 N

44+00 N

43+00 N

42+00 N

41+00 N

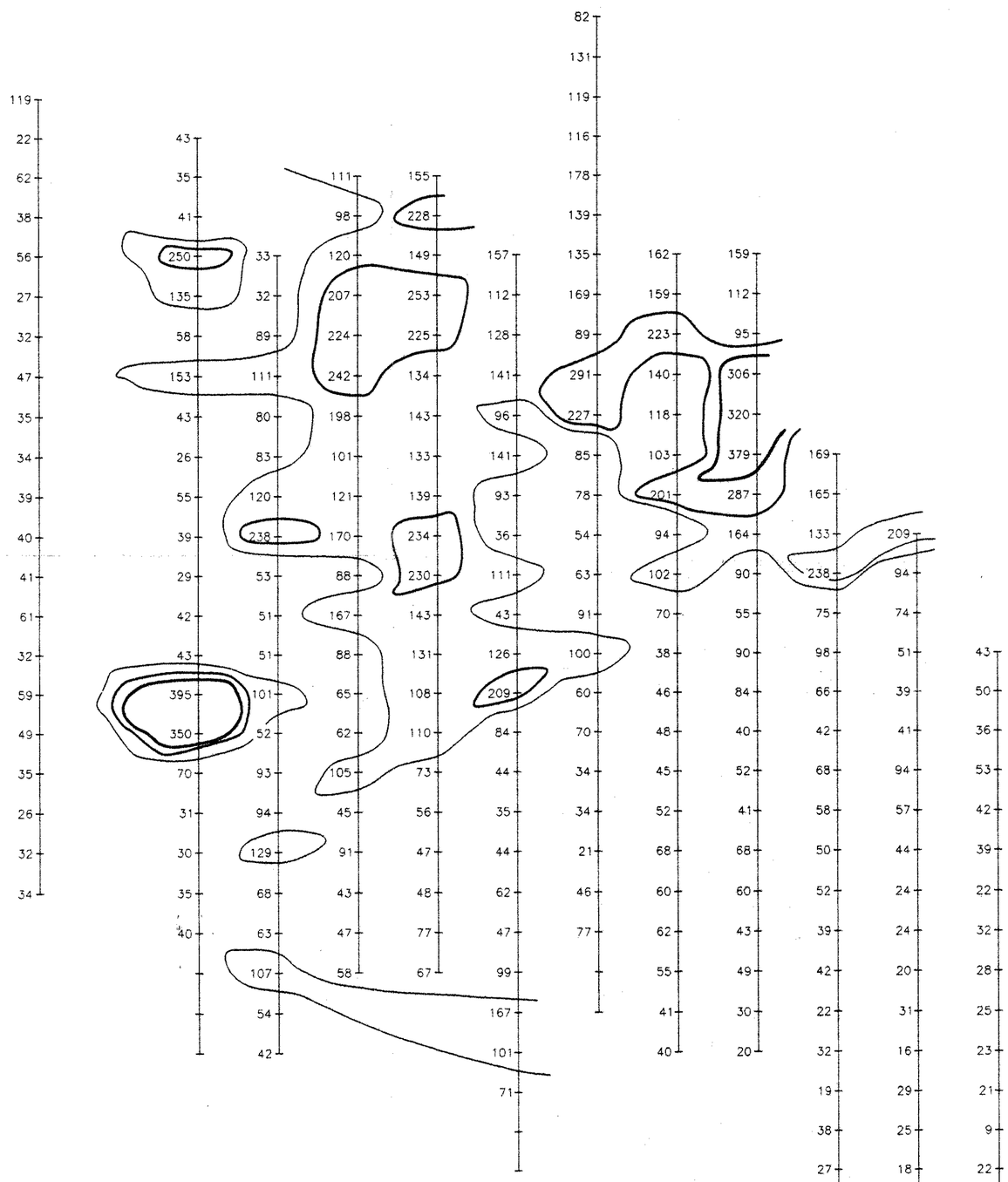
40+00 N

39+00 N

38+00 N

37+00 N

36+00 N



LEGEND

100 - 200 ppm

200 - 300 ppm

>300 ppm

L 37+00 E

L 38+00 E

L 38+50 E

L 39+00 E

L 39+50 E

L 40+00 E

L 40+50 E

L 41+00 E

L 41+50 E

L 42+00 E

L 42+50 E

L 43+00 E

L 43+50 E

L 44+00 E

L 44+50 E

L 45+00 E

L 45+50 E

L 46+00 E

093686

DWG (3)

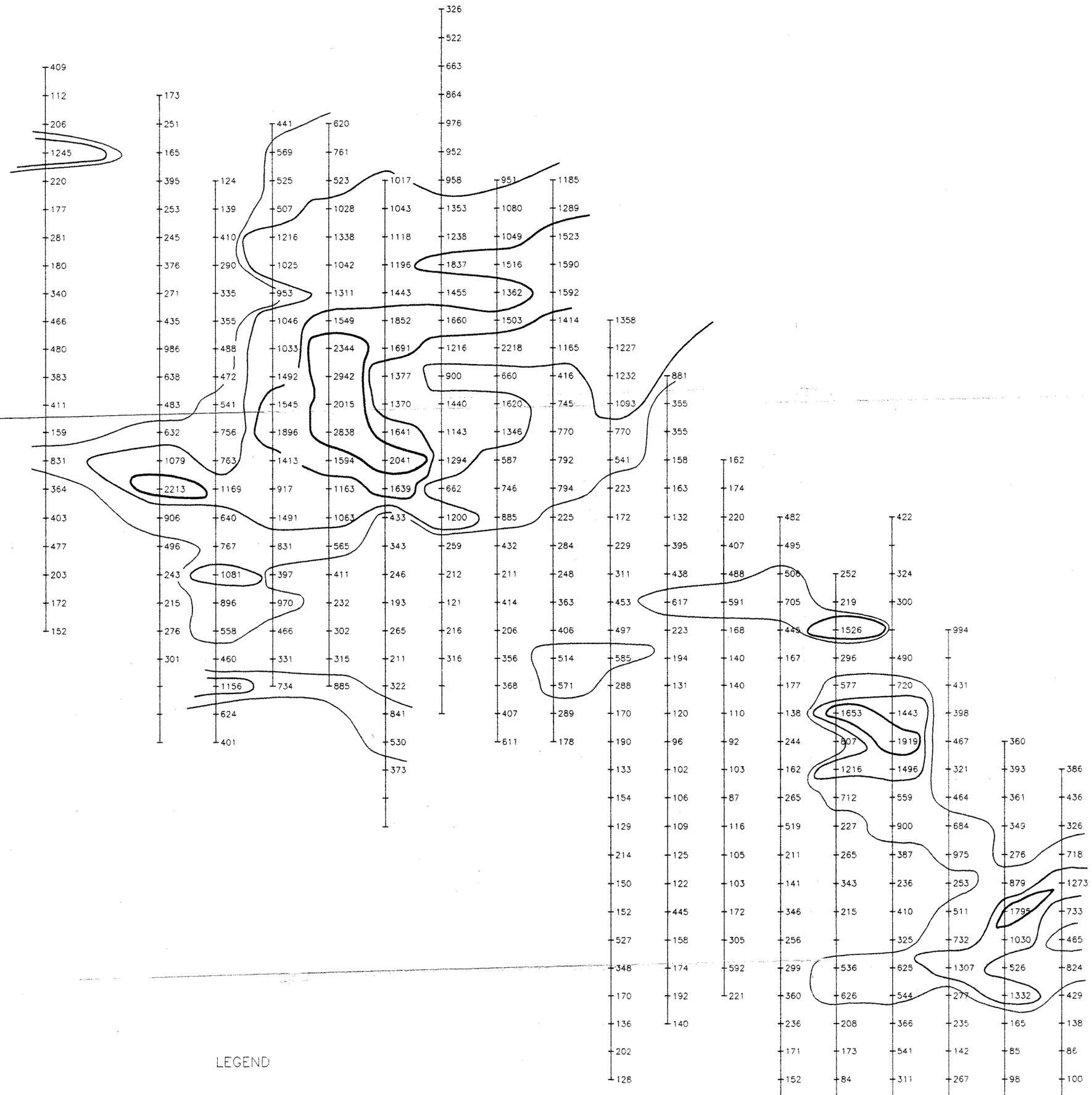
NICHOLSON & ASSOCIATES

CARMACKS PROJECT

WHITEHORSE M.D.
YUKON TERRITORY

Soil Geochemistry As

SCALE 1:2500	DATE: MAY 1997
NTS: 115I/12	FIGURE: 8



093686
DWG (4)

NICHOLSON & ASSOCIATES

CARMACKS PROJECT
WHITEHORSE M.D.
YUKON TERRITORY

Soil Geochemistry Zn

SCALE 1:2500	DATE: MAY 1997
NTS: 115I/12	FIGURE: 9