GEOLOGICAL AND GEOCHEMICAL REPORT

ON THE

PARADIGM PROPERTY

PARADIGM 2 and MIKHAIL 2 Mineral Claims

Skeena Mining Division, British Columbia

N.T.S. 104-B/10E
Latitude 56°34' North
Longitude 130°33' West

on behalf of

LOKI GOLD CORPORATION
Vancouver, B.C.

by

A.M. (Sandy) Gibson, B.Sc.
KEEWATIN ENGINEERING INC.
#800, 900 West Hastings Street
Vancouver, B.C.
V6C 1E5

November 8, 1990

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SUMMARY

Keewatin Engineering Inc. was commissioned by Loki Gold Corporation of Vancouver, B.C. to conduct a field exploration program on the Paradigm property located in the Unuk River area of northern British Columbia. The program's objective was to follow-up anomalous areas outlined in the 1989 field season as well as to investigate unexplored areas through prospecting, geological mapping and geochemical sampling. Geochemical sampling consisted of lithogeochemical, stream silt and both contour and grid controlled soil sampling.

The exploration program was undertaken in July and August, 1990. A total of 62 rock samples, 493 soil samples (366 contour and 127 grid controlled), and 61 stream silt samples were collected. Geological mapping determined the property to be underlain by thin alternating bands of intermediate volcanics, sheared argillite and siltstone, and pyritic felsic "fragmental" tuff/breccia.

Results from the geochemical sampling over the property defined two zones of coincident anomalous gold, silver and base metal values (Pb, Zn, Cu). The first zone (line 16+50N) is related to mineralization within a pyritic felsic fragmental band. The second zone comprised 8 successive anomalous gold-in-soil samples collected at 25 m intervals over 200 metres along a contour line. Further prospecting, geological mapping and geochemical detailing is recommended in order to evaluate these anomalies.

INTRODUCTION

Loki Gold Corporation of Vancouver commissioned Keewatin Engineering Inc. to conduct a field exploration program on the Paradigm property located in the Unuk River area of northern British Columbia.

The objective of this program was to evaluate the property's potential for hosting economic precious metals deposits. Exploration consisted of prospecting, geological mapping, and geochemical sampling. The geochemical component comprised lithogeochemical, stream silt and soil sampling. An attempt was made to follow-up on areas up-slope from anomalous sediment samples taken during the 1989 field exploration program.

Location and Access

The Paradigm property is located in northwestern British Columbia, approximately 80 km northwest of Stewart (Figure 1) and approximately 5 km west of the Eskay Creek Deposit. The claims are situated within N.T.S. map-sheet 104-B/10E and centred about 56°34' North latitude and 130°33' West longitude. Access to the property is by fixed-wing aircraft from Terrace, Stewart, or Smithers to various airstrips in the area and then via helicopter to the property. The claims can also be directly accessed by helicopter from Stewart.

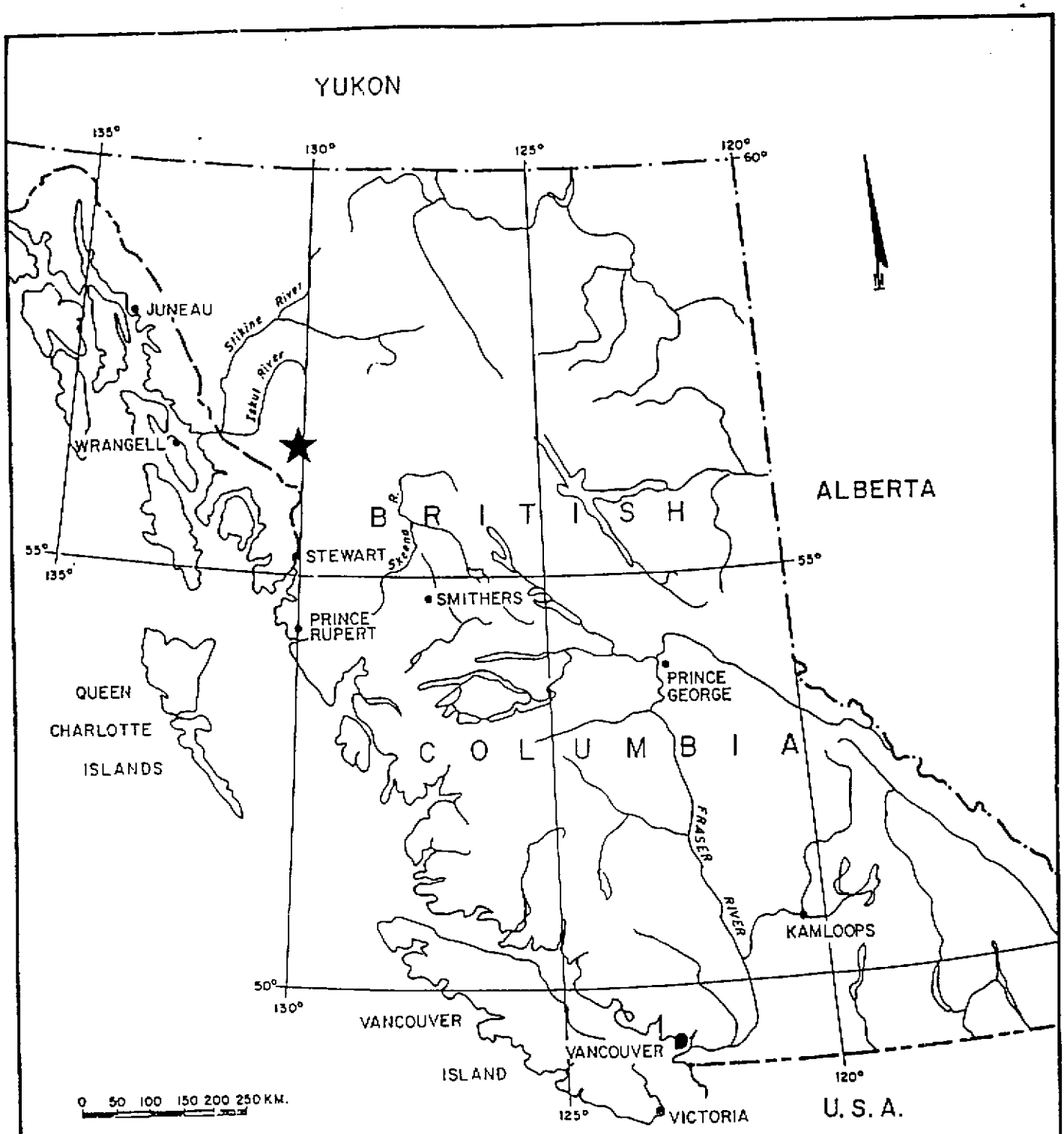
At some future date, road access to the area from the Stewart-Cassiar Highway could be obtained via the Upper Unuk River and Tiegen Creek valleys.

Property Status and Ownership

The Paradigm property (Figure 2) consists of two modified-grid claims totalling 30 units, located within the Skeena Mining Division. An attempt was made to locate the legal claim posts for both claims but the search was unsuccessful. Relevant claims data are tabulated below:

TABLE 1 - Claim Status

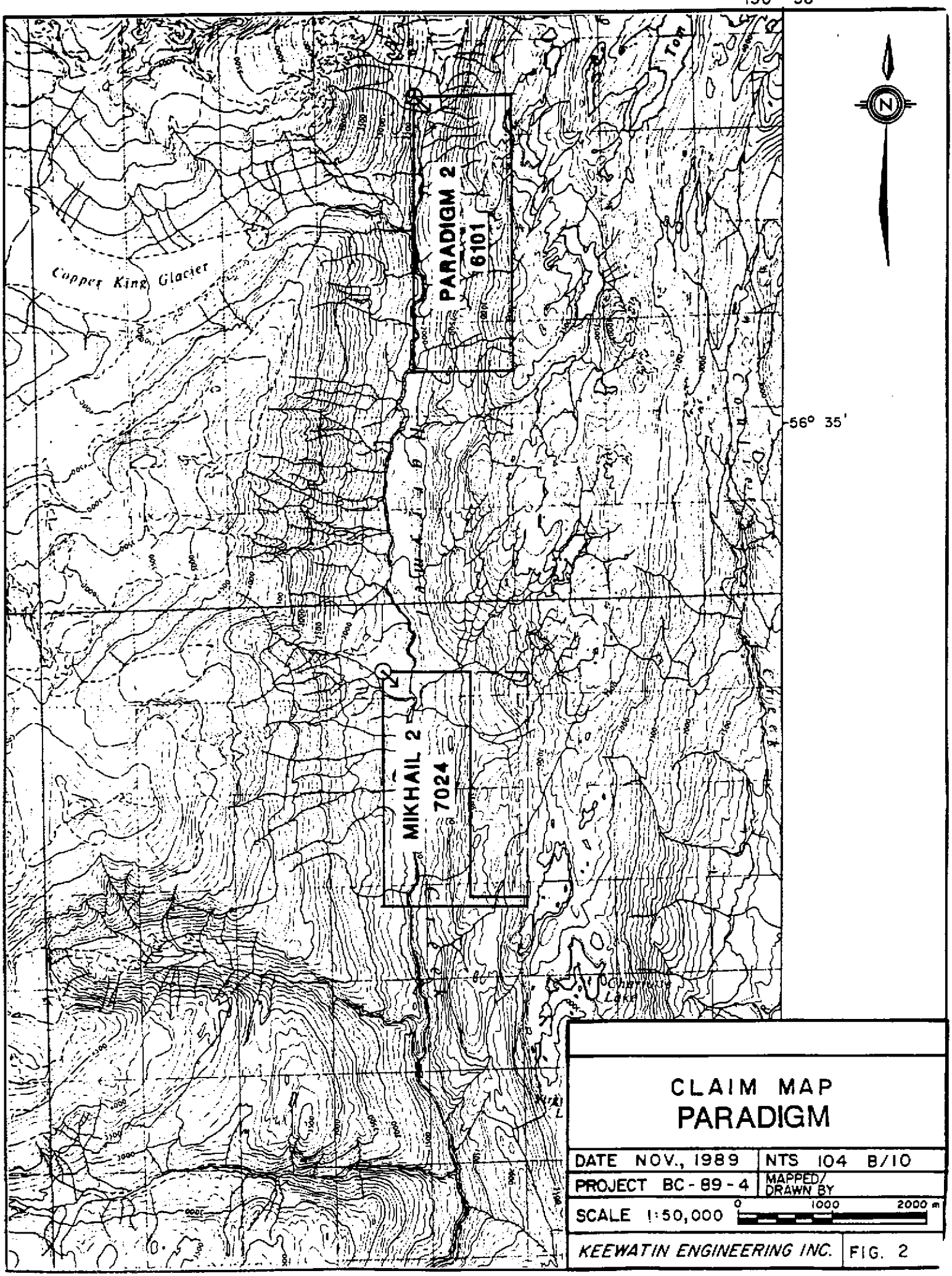
Claim Name	Record Number	No. of Units	Date of Record	Expiry Date
Paradigm 2	6101	12	April 28, 1987	1992
Mikhail 2	7024	18	December 5, 1988	1997



★ PROPERTY LOCATION MAP

Figure 1

KEEWATIN ENGINEERING INC.



CLAIM MAP
PARADIGM

DATE NOV., 1989	NTS 104 B/10
PROJECT BC-89-4	MAPPED/ DRAWN BY
SCALE 1:50,000	0 1000 2000 m
KEEWATIN ENGINEERING INC.	FIG. 2

These claims are apparently the subject of an agreement between the claim holders (Teuton Resources Inc.) and Winslow Gold Corp., which has recently optioned the property to Loki Gold Corporation. The claim map shows that part of the Paradigm 2 claim was subsequently overstaked by a series of two-post claims along Harrymel Creek.

Physiography and Climate

The Paradigm property is situated within the Coast Range Physiographic Division and is characterized by northern rain forests and sub-alpine plateaux. The north-south trending U-shaped Harrymel Creek valley occurs along the western boundary of the two claims. Elevations range from 455-610 m in the valley of Harrymel Creek to 1065 m in the eastern part of the property (Figure 2).

A transitional treeline, characterized by dense sub-alpine scrub, meanders through the property at approximately the 915 m elevation. Terrain above treeline is typified by intermontane alpine flora. Conifers up to 30 m tall are common below treeline, especially in stream valleys. Water for camp and drilling purposes is generally in good supply from the numerous creeks draining the claim area.

Precipitation is heavy, exceeding 200 cm per annum, with short mild summers but very wet spring and fall periods. Thick accumulations of snow are common during winter. It is seldom possible to begin surface geological work before July and difficult to continue past September.

PREVIOUS EXPLORATION

The area drained by the upper reaches of the Stikine, Iskut, Unuk, Craig, and Bell-Irving Rivers has been explored for gold since the late 1800's when prospectors passed through the region on their way to the interior. In the 1970's, the porphyry copper boom again brought prospectors and companies into the area. The current gold exploration rush began in 1980 with the option of the Sulphurets property by Esso Minerals Canada and the acquisition of the Johnny Mountain claims by Skyline Explorations Ltd. The Johnny Mountain deposit was brought into production in mid-1988, and the adjacent SNIP property is slated for production in early 1991.

The mineralization at Eskay Creek was discovered in 1932, and active prospecting has continued sporadically since then. Two adits are the result of limited mining activity on this prospect. In 1988, Calpine Resources Incorporated discovered high-grade gold and silver mineralization on the

'21 Zone' (*Northern Miner*, November 7, 1988). A number of excellent diamond drill intersections have been obtained to date, including drill hole CA-88-06 which encountered 96 feet of 0.752 oz/ton gold and 1.13 oz/ton silver. Based on the results of 70 drill holes completed to June 1, 1989, a preliminary geological ore reserve of 2.8 million tons grading 0.23 oz/ton gold and 3.3 oz/ton silver has been calculated for the '21 Zone' (Consolidated Stikine Silver Ltd. - 1989 Annual Report).

The Unuk River area was covered by regional geological mapping in 1988 as part of the Iskut-Sulphurets project carried out by B.C. Ministry of Energy, Mines and Petroleum Resources (Britton, et al.,1989). The whole of N.T.S. 104-B is currently being mapped by R. G. Anderson of the Geological Survey of Canada (Anderson, 1989).

The results of a regional stream sediment sampling program conducted over this area were released in July 1988 (National Geochemical Reconnaissance, 1988). Britton (et al.) report that almost every known precious metal prospect in the Unuk River area is associated with high stream sediment gold values. Known gold deposits are also associated with high but variable values for such pathfinder elements as silver, arsenic, antimony, and barium. One stream sediment sample (#871300) was collected from a stream draining the property, and yielded elevated to anomalous values in arsenic (590 ppm) and antimony (20.0 ppm).

A review of all available information indicates that the entire Unuk River area was subjected to reconnaissance geological mapping and prospecting by Newmont Mines Ltd. in 1959-1962 which led to the discovery of the Harrymel Creek copper showing which is reportedly located on the Mikhail 2 claim. Field investigations did not locate any mineralization in this area.

An airborne electromagnetic and magnetic survey was conducted over the Paradigm 2 claim in 1988. Interpretation of the data confirmed the regional geological mapping but indicated further faulting, hydrothermal alteration, and potential sulphide mineralization (Shensha, 1989). In August 1989, a reconnaissance stream silt sampling program was completed on the Paradigm 2 claim. Samples collected from the central portion of the claim yielded weakly elevated As and Ag values.

1989 Exploration Program

The 1989 exploration program consisted of helicopter-supported reconnaissance prospecting, geological mapping, and geochemical sampling with the objective of evaluating the property's

potential for hosting economic precious metals deposits. This work was concentrated in the upland areas and in the drainage courses where rock exposures were most abundant.

Reconnaissance prospecting and lithogeochemical/stream silt sampling were completed over selected parts of the Mikhail 2 claim, but did not yield any anomalous precious or base metals values. One heavy mineral sample, from a creek in the northern part of the claim, yielded an anomalous gold value of 2238 ppb. However, this creek originates beyond the property boundary, consequently, this elevated gold value may be due to mineralization located adjacent to the property area.

Extensive stream silt sampling combined with reconnaissance prospecting and lithogeochemical sampling was completed along the numerous drainage courses which cut across the Paradigm 2 claim and in the upland areas. A number of lithogeochemical samples yielded elevated to anomalous Au, Ag, and/or As values, and several stream silt samples yielded elevated Ag or As values. Heavy mineral samples collected from creeks draining the southern half of the claim yielded elevated Ag, As, Cu, or Zn values, with one sample containing a gold value of 540 ppb.

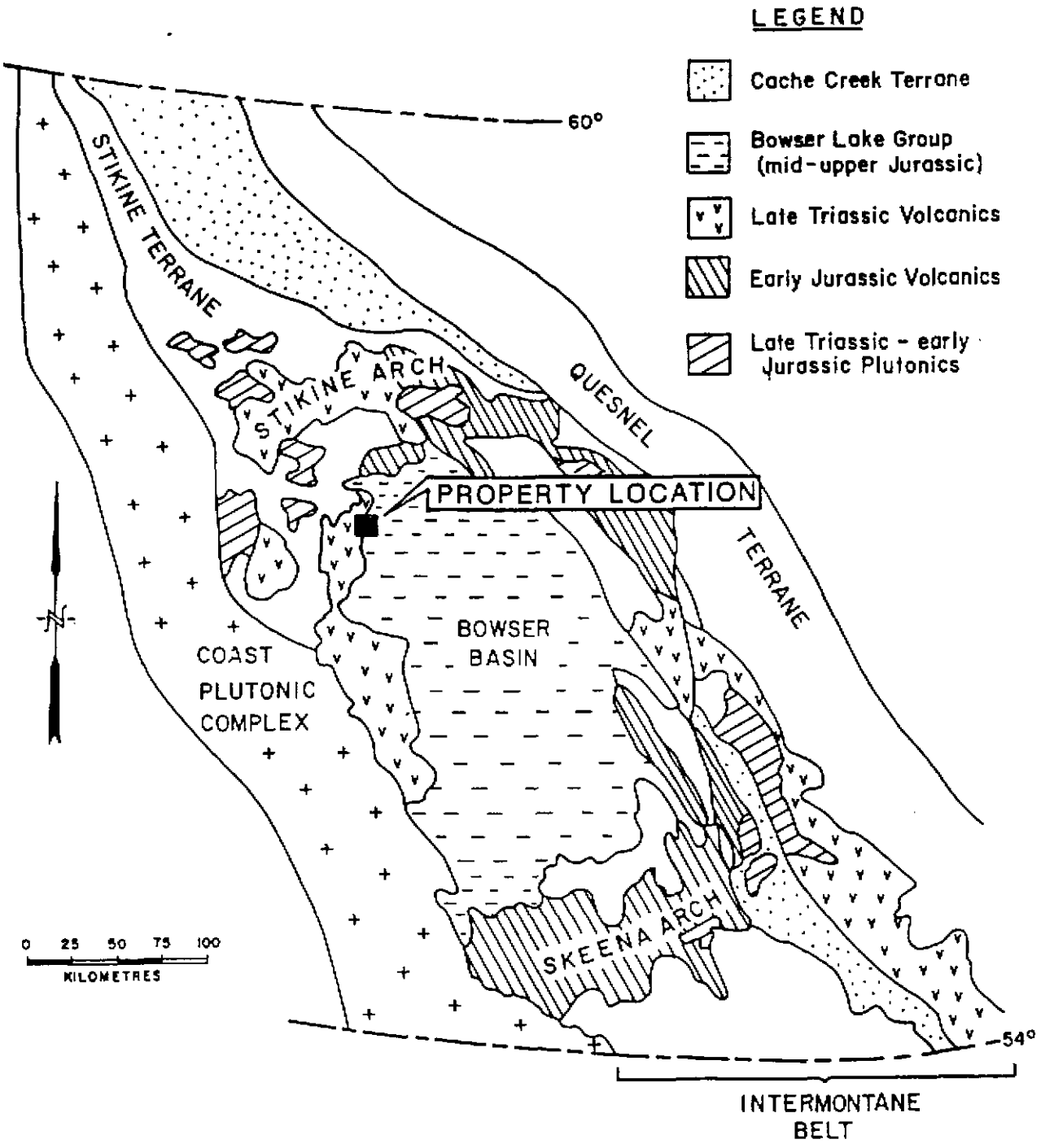
GEOLOGY

Regional Geology

The property lies within the Intermontane Tectono-Stratigraphic Belt, one of five parallel northwest-southeast trending belts which comprise the Canadian Cordillera (Figure 3). The Paradigm property occurs near the contact between the Stikine Terrane, which makes up most of the western part of the Intermontane Belt, and the unmetamorphosed sediments of the Bowser Basin.

The Unuk River area (Figure 4) is underlain by a thick succession of Upper Triassic to Lower Jurassic volcano-sedimentary arc complex lithologies capped by Middle Jurassic marine basin lithologies. This package has been intruded by a variety of plutons representing at least four intrusive episodes spanning late Triassic to Tertiary time. These include synvolcanic plugs, small stocks, dyke swarms, isolated dykes and sills, as well as batholiths belonging to the Coast Plutonic Complex.

The stratigraphic sequence has been folded, faulted, and weakly metamorphosed during Cretaceous time, but some Triassic strata are polydeformed and may record an earlier deformational event. Remnants of Pleistocene to Recent basaltic flows and tephra are preserved locally.

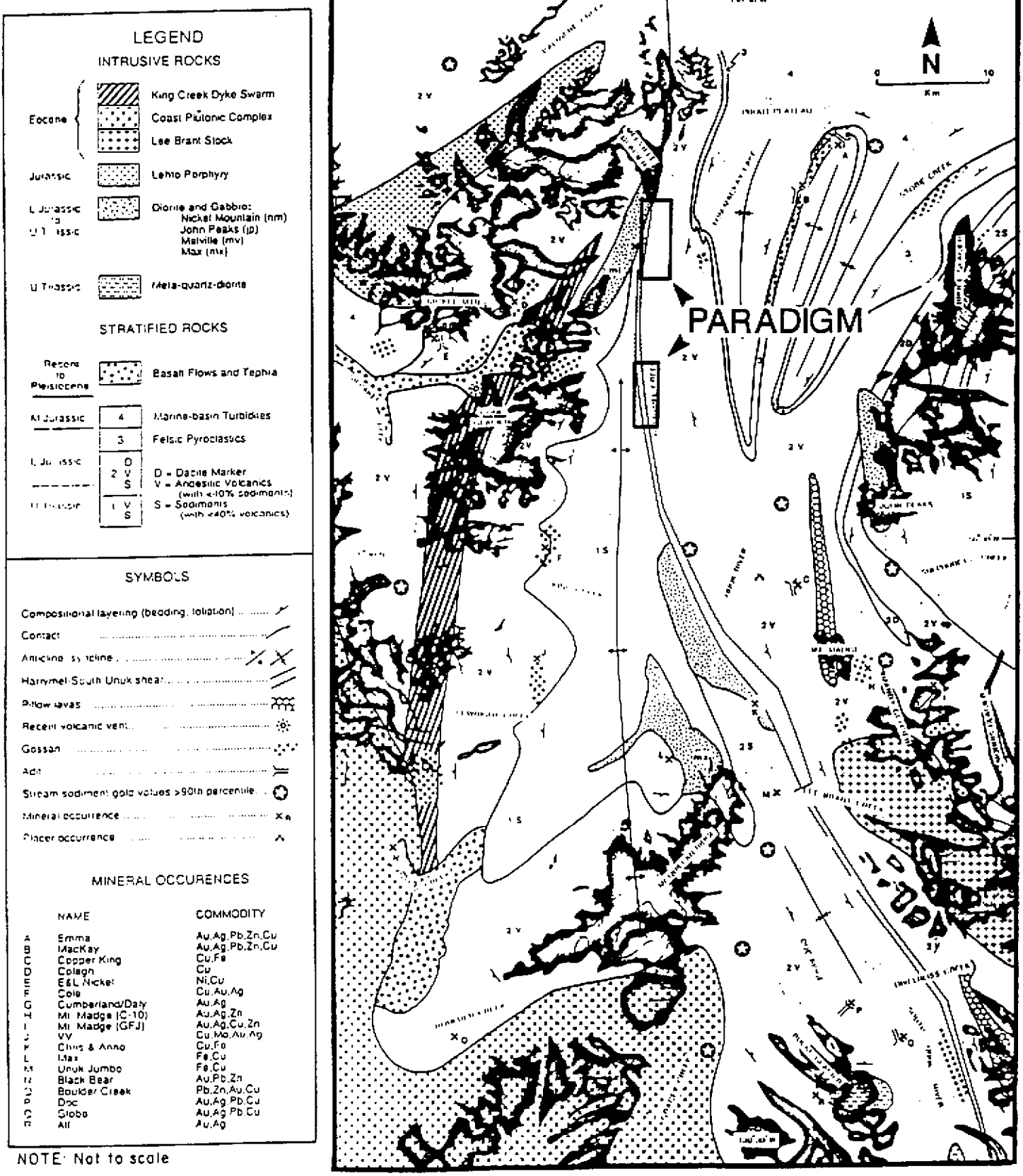


REGIONAL GEOLOGY
BOWSER BASIN
NW BRITISH COLUMBIA

(Outline of terrane boundaries and major rock groups of the Jurassic and Triassic – modified from Thomson, 1985).

Figure 3

KEEWATIN ENGINEERING INC.



NOTE: Not to scale

Geology and mineral deposits, Unuk map area.

Modified after Britton et. al. (1989)

PROPERTY GEOLOGY

Figure 4

Property Geology

Regional geological mapping by Britton et al.(1989) shows that the claims are underlain predominantly by Lower Jurassic supracrustal rocks (Figure 4). The north-south trending Harrymel-South Unuk shear zone transects the western property boundary and separates the Upper Triassic rocks occurring directly west of the property from the Lower Jurassic rocks underlying the property. The distribution of map-units suggests that the rocks to the west of the major shear zone dip shallowly to the west. Units in the eastern part of the property were observed to display a moderate westerly dip.

Upper Triassic Stuhini Group (Unit 1)

The Stuhini Group rocks occupy the nose of a north-plunging anticline, and occur as a wedge between the Harrymel-Unuk shear zone and the overlying Unuk River Formation. These rocks underlie the area immediately west of the claims. Geological mapping completed during the 1989 exploration program indicates that this unit probably underlies the western half of the Mikhail 2 claim. The Stuhini Group rocks consist of thin bedded siltstones, immature fine-grained wackes, chert, impure limestones, and andesitic tuffs that locally attain a considerable thickness. Andesitic tuffs may be laminated to massive, aphanitic to hornblende-feldspathic. Limestones occur as thin beds or discontinuous lenses which show extensive recrystallization and highly disrupted internal structure. Fossil evidence led Britton et al.(1989) to ascribe a Carnian to Norian age to these rocks.

Upper Triassic to Lower Jurassic Unuk River Formation (Unit 2)

These Norian to Sinemurian age rocks of the Unuk River Formation constitute the lowermost unit of the Hazelton Group. Britton et al.(1989) described this sequence as green and grey intermediate to mafic volcaniclastics and flows with locally thick interbeds of fine-grained immature sediments. The volcanics are reported to be dominantly massive to poorly bedded plagioclase (± hornblende) porphyritic andesite. The sediments are predominantly grey, brown, and green thinly bedded tuffaceous siltstone and fine-grained wacke. The basal contact with Triassic strata appears to lie near the top of a thick sequence of clastic sedimentary rocks. Neither an angular unconformity nor a widespread conglomerate marks the lower contact. This unit is not mapped on the property but is incorporated in the report for the sake of completeness.

Lower Jurassic Betty Creek Formation (Unit 3)

A Pleinsbachian to Toarcian age is assigned to this unit by Britton et al.(1989). This pyroclastic-epiclastic sequence is comprises of a sequence of westward facing but locally overturned interbedded volcanics and lesser sediments, underlying most of the property. The volcanics are dominantly grey and green, massive to poorly bedded units, and range in composition from basaltic andesite to dacite. Pillow lavas, breccias, and felsic pyroclastics, are all included in the Betty Creek Formation Volanics. The sedimentary rocks are, on the whole, less abundant than the volcanic rocks, and consist of black thinly bedded siltstone, shale, and argillite. Limestones are rare or absent in the Lower Jurassic section.

North Grid/Paradigm 2 Geology

The North Grid area was established in the northwestern part of the claim in order to provide geological and soil grid geochemical control. The base line, oriented north-south is 1.65 km in length with 500 m east-west cross lines. Geological mapping determined that the bedrock in the grid area is composed of a series of intermediate to andesitic volcanics and sheared argillite bands with several thin occasional discontinuous felsic fragmental bands.

One of the sheared argillite bands hosts discontinuous, boudin-like, carbonate altered, silicified, mafic sills (listwanite). This chromium bearing alteration product is commonly associated with quartz-carbonate lode gold deposits (Ash, 1990).

Two variably sulphide rich felsic fragmental bands up to 20 m wide were mapped in the grid area. These bands follow the general trend of the stratigraphy which strikes north-northeast. Based on rare bedding and lithological contacts, the package is interpreted as dipping moderately westward. Detailed follow-up mapping of the creek to the west of the felsic band on line 16+50N identified two additional felsic fragmental bands, one of which has been interpreted as correlating with the felsic fragmental/gossan in the northwestern corner of the grid area.

Two silt sample/geological traverses along east-west trending creeks to the south of the grid area failed to locate the continuation of these felsic fragmental bands.

Mikhail 2 Claim Geology

Geological mapping of the Mikhail 2 claim showed that the property is underlain by alternating chloritized intermediate volcanics, tuff and argillite bands. Argillite bands range from one to two metres up to a maximum of more than 100 m in thickness of argillite and siltstones along the Unuk-Harrymel shear zone. These observations support the government mapping (Alldrick, 1989) which shows the area to be underlain by the Betty Creek Formation pyroclastic-epiclastic sequence.

Structure

The main structural feature on the Paradigm property area is the Unuk-Harrymel shear zone, a major fault zone which parallels Harrymel Creek and transects the western portion of both the north and south Paradigm claims. Britton et al. (1989) interpreted this structure as a major easterly dipping shear zone with normal offset. Shearing within the less competent argillite bands in likely related to the shearing along the Harrymel. Observed folding and faulting is also likely related to this major structure. Stratigraphy was observed to trend north-northeast with moderate but variable dips to the west.

Alteration

Most volcanic rocks of intermediate composition are generally chloritized. In the south eastern part of the Mikhail 2 claim these rocks grade into erratically distributed zones of intense quartz carbonate alteration. The listwanite identified in the North Grid area is also a product of quartz-carbonate alteration, possibly associated with the shearing along the host argillite band (see Appendix V, samples R4137, 38, 41, 51).

Mineralization

Fine grained disseminated pyrite and arsenopyrite comprise the only observed mineralization on the Paradigm property. Massive fine grained pyrite in concentrations of up to 20% comprise the matrix of the felsic fragmental/breccia which was determined to be anomalous in gold, silver and arsenic (see Table 3, Appendix IV and Appendix V).

GEOCHEMISTRY

Soil Geochemistry - Mikhail 2 Claim

No strong base or precious metal element anomalous zones were identified on the three contour soil lines established in the Mikhail 2 claim area. Six samples in the southwestern corner of the property, in close proximity to the 1989-1990 Granges Inc. drilling sites, were weakly anomalous in gold, silver and arsenic (Figure 5a, Plate 3b). The anomalous soil geochemical results are tabulated below:

TABLE 2

Mikhail Claim Anomalous Soil Geochemical Results

Sample No.	Au ppb	Ag ppm	As ppm
90 ZZ S004Y?	17	2.0	51
90 ZZ S002D	12	1.5	254
90 ZZ S001D	22	1.5	70
90 ZZ S001A	78	0.7	<5
90 RR S004	43	1.1	<5
90 RR S005	15	1.2	539

A total of 157 contour soil samples were taken on the Mikhail 2 claim.

Soil Geochemistry - Paradigm 2 Claim

A total of 89 contour soil and 127 grid soil samples were taken on the Paradigm 2 claim. The soil geochemical grid (North Grid), was established over an area in the northeastern corner of the claim which returned favourable lithogeochemical and stream silt geochemical values during the 1989 field season.

Two areas of note were outlined by the soil geochemistry. The first is in the southeastern portion of the claim where eight out of ten consecutive samples returned elevated precious and base metal values. Sample locations and Au, Ag, As and Zn values are shown on Figure 5b and plotted on Plates 3a and 4a).

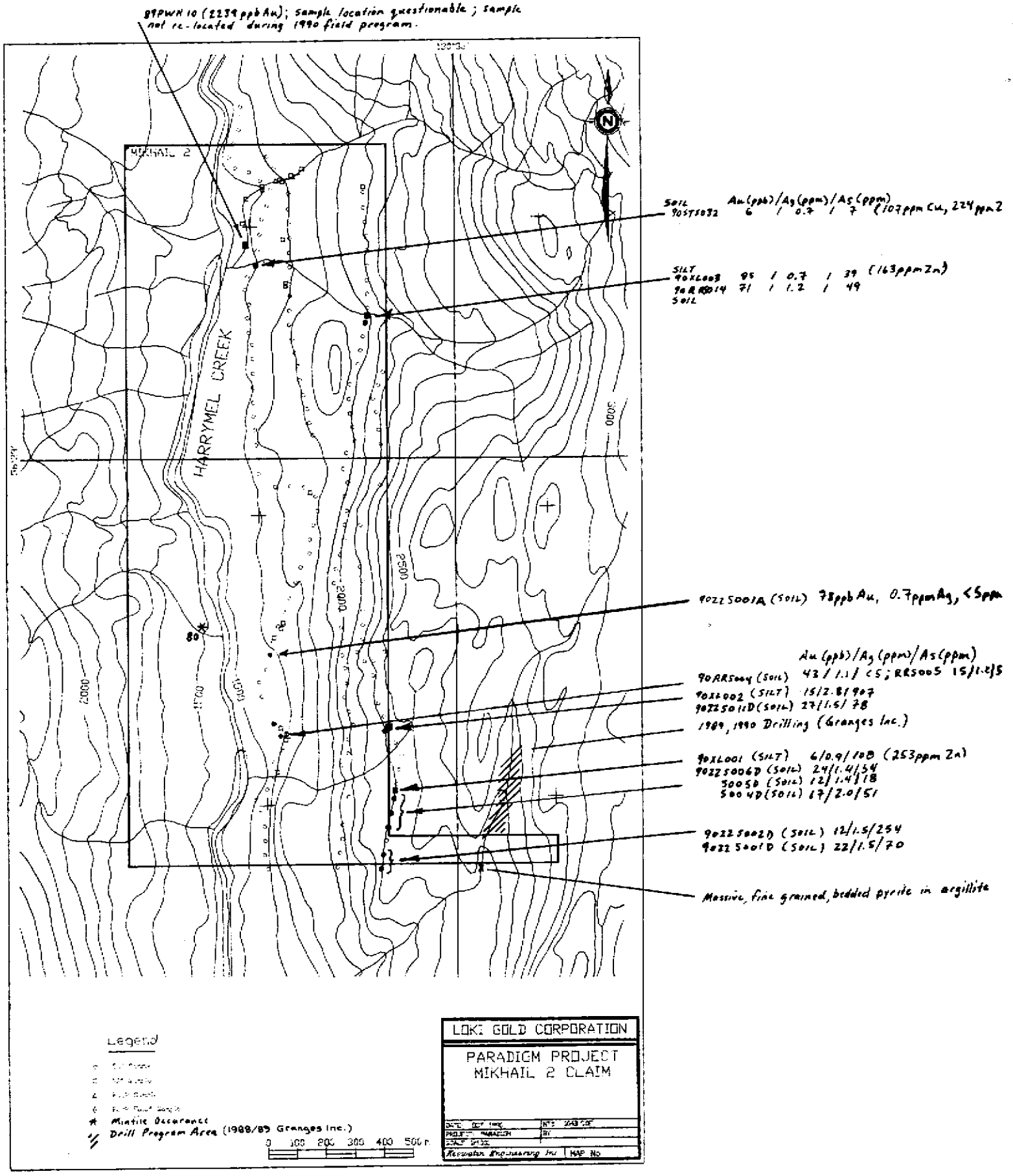


Figure 5a
Property Compilation, Mikhail 2 Claim

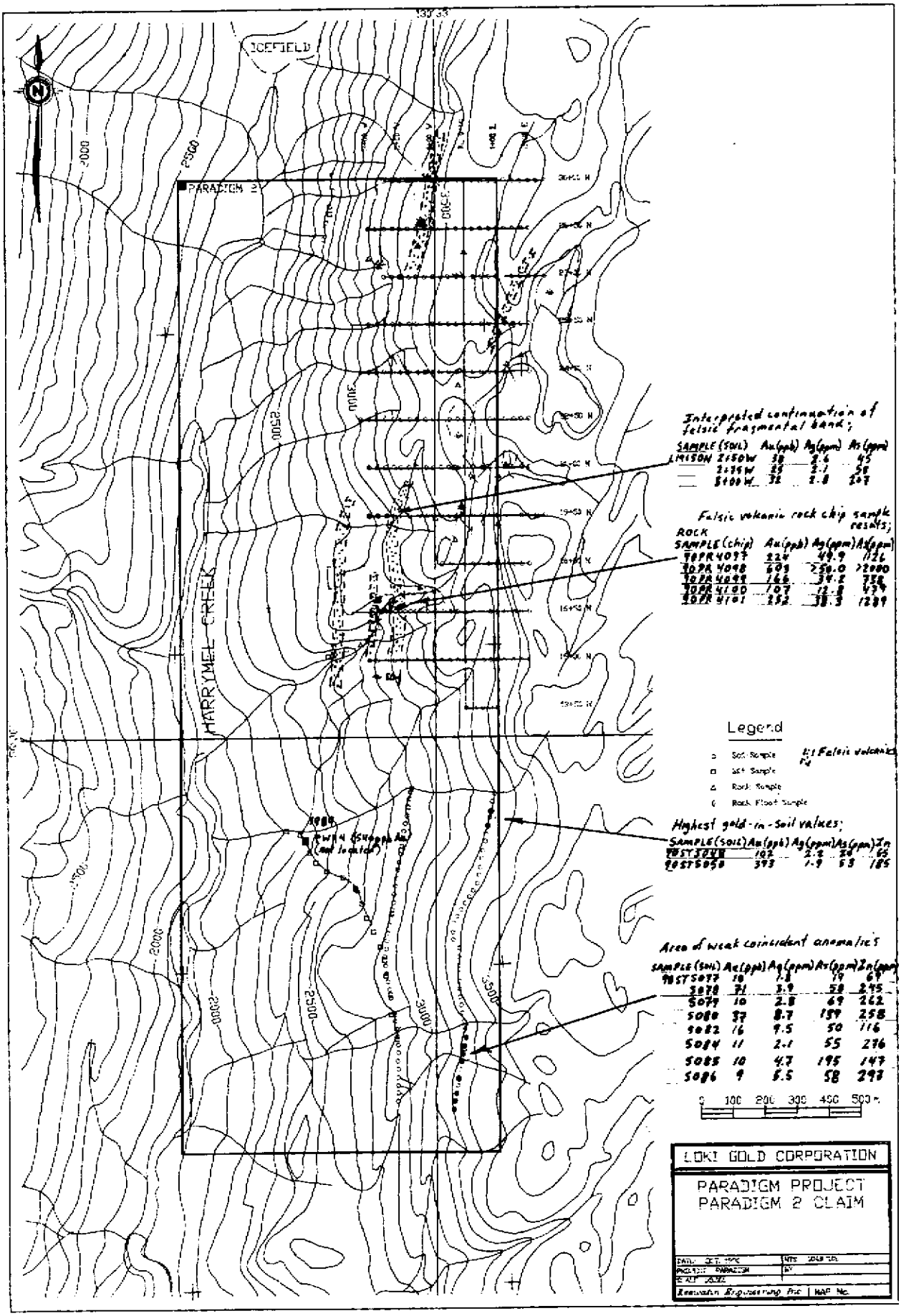


Figure 5b
Property Compilation, Paradigm 2 Claim

Although the anomalous values in this zone are not extremely high, the extent of the anomaly (over 250 m), coincident with base and precious metal element anomalies identifies it as a promising exploration target area. Spot geochemical high values include two samples to the north on this same contour line:

Sample No.	Au ppb	Ag ppm	Zn ppm
90 PST S048	102	2.2	65
90 PST S050	393	1.9	185

The origin of these anomalies along this 3,200 foot contour line has yet to be determined. They are likely related to one or more enriched stratiform argillite horizons which parallel the contour line itself, that is north-northeast.

The second anomalous zone has a known bedrock source and is located on lines 16+50N and 19+50N on the extreme western ends of the lines. Here, a sulphide rich felsic fragmental unit, which returned values up to 600 ppb Au in chip samples, is interpreted as being the source for the anomaly. On line 16+50N the grid line passes 25 m to the south along strike from the chip sample locations. On line 19+50N (300 m to the north, along strike), the soil samples returned similar geochemical values (coincident Au, Ag, As, Cu, Sb, Mo anomalies). Based on the geochemical signature of the most easterly three samples on line 19+50N, the felsic fragmental band is interpreted as continuing through this area.

A second, less obvious trend, is outlined by slightly anomalous gold, copper and antimony values. This trend is related to an argillite unit which trends from just east of the highly anomalous zone on L16+50N to the far northeastern corner of the grid.

More detailed soil sampling in the area between and on either side of lines 16+50N and 19+50N, where possible, would help delineate the multi-element anomaly in that area.

A small detailed (10 m spacing) soil geochemical grid in the southeastern portion of the Paradigm 2 claim, as well as prospecting and mapping, would help identify and ascertain the extent of the mineralization.

Stream Silt Geochemistry - Mikhail 2 Claim

Stream silt samples were taken in conjunction with the contour soil sample lines where drainages were crossed. Results were similar to the soil samples, with no highly anomalous results. The best results were returned from a stream in the north-central part of the claim. Eight samples were collected during a stream silt/mapping traverse up this creek. The highest value, 129 ppb Au, was returned from sample 90XL010. None of the silt samples in this area returned anomalous silver or arsenic values, but zinc values up to 306 ppm were recorded. The 1989 geochemical program produced a heavy mineral sample with 2,239 ppb Au from this same stream.

Stream Silt Geochemistry - Paradigm 2 Claim

A total of twenty-four stream silt samples were taken in the course of contour and grid soil sampling on the Paradigm 2 claim. No highly anomalous results of economic or pathfinder elements were detected. Slightly elevated gold values were returned from samples 90STL304 (24 ppm Au) and 90STL309 (22 ppm Au). These samples were taken from upstream of sample 89PWH4, a heavy mineral concentrate sampled in last year's field program which returned a value of 540 ppb Au.

Lithogeochemistry - Mikhail 2 Claim

Prospecting and geological mapping was conducted along drainages, and along Granges Inc. grid-cut lines in the southeastern corner of the Mikhail 2 claim. A total of ten rock samples were collected on the Mikhail 2 claim. Five rock grab samples (PR4077-4081) were all taken from carbonate altered, massive, intermediate volcanic outcrop exposures in creek beds. None of these rock samples returned any significantly anomalous values in economic or pathfinder elements. All of the lithogeochemical sample results are incorporated in Appendix IV and plotted on Maps 3b, 4b).

Lithogeochemistry - Paradigm 2 Claim

The majority of rock samples collected on the Paradigm project were taken from the Paradigm 2 claim. Of the 52 samples taken, 47 were grab samples and five were 1.5 m chip samples.

The five chip samples were taken from a highly oxidized felsic fragmental outcrop previously unmapped and unsampled. Results were anomalous in gold, silver, arsenic and antimony as listed below:

TABLE 3
L16+50N Gossan Chip Sample Results

Sample No.	Au ppb	Ag ppm	As ppm	Sb ppm
90 PR 4097	224	49.9	1,126	47
90 PR 4098	603	>50.0	>2,000	173
90 PR 4099	166	34.2	738	46
90 PR 4100	107	12.8	479	39
90 PR 4101	252	38.8	1,289	67

Note: These are sequential one metre chip samples.

Two additional sulphide rich grab samples from a second felsic fragmental band to the west returned similarly elevated values in gold, silver, arsenic and antimony.

Sample No.	Au ppb	Ag ppm	As ppm	Sb ppm
90 PR 4213	126	19.7	1,238	53
90 PR 4214	122	21.5	1,551	50

The highest gold value returned from any sample (5,901 ppb or 0.169 oz/ton), was from a float block (90 PR 4153). This block comprised quartz stringers in a fine grained, silicified intermediate volcanic rock. The bedrock source of this float material was not identified.

Follow-up prospecting on a lithogeochemical high (89 PPR4; 678 ppb Au) resulted in samples 90XR 1823, 1824, 1825 being taken in the same vicinity and samples 90 PR 4143 and 4144 being taken along strike. These grab samples were also collected from a lomonite/jarosite stained intermediate to felsic band intercalated within argillite bands.

TABLE 4

Follow-up Rock Grab Samples - Paradigm 2 Claim

Rock Sample No.	Au ppb	Ag ppm	As ppm	Sb ppm
90 XR 1823	112	3.5	248	6
90 XR 1824	185	30.9	141	11
90 XR 1825	44	10.2	111	9
90 PR 4143	61	9.6	179	9
90 PR 4144	101	32.4	370	20

This felsic band is interpreted to be a more westerly unit than the band sampled on L16+50N (see Map 1a, Figure 4b). At least two felsic fragmental bands have been identified on the North Grid area, both of which are anomalous in gold. More detailed mapping, particularly in the steep drainages to the west of the North Grid area would help to delineate the extent and economic potential of these units.

CONCLUSIONS

The Paradigm property is underlain by a north-northeast trending package of chloritized, intermediate, massive to tuffaceous volcanics and argillites. On the Paradigm 2 claim, at least three narrow felsic fragmental bands have been mapped. These felsic layers returned anomalous values in Au, Ag, As and Sb across a series of five contiguous 1.5 m chip samples.

Prospecting, geochemical soil and silt contour lines and geological mapping failed to identify any obvious exploration targets on the Mikhail 2 claim beyond weak Au, Ag, As and Zn soil geochemical anomalies in the southwestern corner which may bear further investigation. An area of weak coincident gold, silver, arsenic, copper, lead and zinc anomalies in soil was identified in the southeastern corner of the Paradigm 2 claim. These anomalous values may be related to mineralization within one or more of the argillite bands mapped to the south.

RECOMMENDATIONS

Further detailed soil geochemical sampling, prospecting and mapping in the areas north and south of the anomalous felsic volcanic band on L16+50N of the North Grid is recommended. Grid line spacing in this area should be decreased from the present 150 metres to 75 m.

Establishment of a small grid to provide control for soil geochemical sampling (10 m sample intervals on 25 m line spacings), geological mapping and prospecting is also recommended for the anomalous area in the southeastern corner of the Paradigm 2 claim.

Trenching of any anomalous areas outlined by the proposed detailed geochemical soil sampling program would then be recommended. If sufficiently mineralized bedrock is discovered, a phase II drill program should be contemplated.

Respectfully submitted,

KEEWATIN ENGINEERING INC.

A.M. (Sandy) Gibson, B.Sc.

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CERTIFICATE

I, ALEXANDER M. GIBSON, of 555 E. St. James Road in the District of North Vancouver in the Province of British Columbia, do hereby certify that:

1) I am a graduate of the University of British Columbia, B.Sc. Geology (1988) and have practised my profession continuously since graduation.

2) I am a member of the Geological Association of Canada.

3) I am presently employed on contract with the firm of Keewatin Engineering Inc., with offices at Suite 800 - 900 West Hastings Street, Vancouver, British Columbia.

4) During the period of August 10 - August 15, 1990, I managed and carried out the exploration program on the Paradigm Property on behalf of Loki Gold Corporation.

5) I am the author of the report entitled "Geological and Geochemical Report on the Paradigm Property, Paradigm 2 and Mikhail 2 Mineral Claims, Skeena Mining Division, British Columbia", dated November 8, 1990.

6) I do not own or expect to receive any interest (direct, indirect or contingent) in the property described herein nor in the securities of Loki Gold Corporation in respect of services rendered in the preparation of this report.

Dated at Vancouver, British Columbia this 9th day of November, 1990.

Respectfully submitted,

AMGibson

Alexander M. Gibson, B.Sc.

APPENDIX I

Itemized Cost Statement

ITEMIZED COST STATEMENT

PARADIGM **October 24, 1990**	
Domicile	$ 9,750.00
Wages	33,770.00
Helicopter	20,646.72
Mobilization	6,548.87
Shipping	1,000.00
Post Season Est.	7,500.00
Miscellaneous & Equipment Rental	7,425.64
Assays: Soils and Silts - 554	7,823.31
Assays: Rocks - 62	1,060.35
TOTAL:	**$ 95,524.89**

APPENDIX II

Summary of Personnel

SUMMARY OF PERSONNEL

Employee	Days	Day Rate	Total $
Anderson, Colin	9	$250.00	$ 2,250.00
Bertrand, Norm	5	$250.00	1,250.00
Birkeland, Eric	18	$300.00	5,400.00
Gaboury, Roland	14	$190.00	2,660.00
Gibson, Sandy	18	$325.00	5,850.00
McIntyre, Brian	16	$300.00	4,800.00
Murphy, Bob	5	$190.00	950.00
Thompson, Scott	17	$250.00	4,250.00
Wood, Lesley	17	$240.00	4,080.00
Whittam, Heath	11	$190.00	2,090.00
Wardwell, Aaron	1	$190.00	190.00
TOTAL:			**$33,770.00**

APPENDIX III

Laboratory Techniques

Bondar-Clegg & Company Ltd.
130 Pemberton Ave
North Vancouver, B.C.
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(604) 985-0681 Telex 04-352667

Keewatin Gold + 8 Analytical Methods

Geochemical Analysis:

Gold is determined on a test sample of 30g using Fire Assay Lead Collection pre-concentration. The bead is dissolved in nitric acid and hydrochloric acid and run by Atomic Absorption.

Mercury is determined on a test sample of 0.6g. The sample is digested by aqua regia and bulked to 12ml. The solution is then run by Cold Vapor Atomic Absorption.

All other elements are determined on a test sample of 0.6g. The sample is digested by aqua regia and bulked to 12ml. The solution is then run by ICP.

APPENDIX IV

Rock Sample Geochemical Results

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A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

DATE PRINTED: 18-AUG-90

REPORT: V90-01640.0

PROJECT: PARADIGM

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM
R2 90P082R4077		<5	0.7	9	9	14	2	3	10	<1	5	10
R2 90P082R4078		<5	0.4	7	6	31	<1	2	8	<1	<5	<5
R2 90P082R4079		<5	0.9	8	4	67	6	15	18	<1	6	111
R2 90P082R4080		<5	0.6	5	5	37	2	4	11	<1	<5	<5
R2 90P082R4081		7	0.8	4	3	36	7	5	8	<1	<5	33
R2 90P082R4082		<5	0.8	7	4	63	<1	6	14	<1	<5	35
R2 90P082R4083		<5	0.7	38	<2	65	<1	59	19	<1	5	6
R2 90P082R4084		8	0.9	42	11	148	21	34	4	<1	<5	39
R2 90P082R4085		9	0.8	23	8	45	3	7	13	<1	6	21
R2 90P082R4086		<5	0.8	10	4	13	<1	2	3	<1	9	9
R2 90P082R4087		<5	0.6	77	14	95	<1	15	11	<1	6	23
R2 90P082R4088		20	0.8	29	25	72	11	8	4	<1	<5	81
R2 90X082R001		14	<0.2	29	30	72	<1	8	13	<1	20	<5
R2 90X082R1820		<5	0.2	5	16	15	4	3	<1	<1	<5	265
R2 90X082R1821		9	0.8	31	9	143	2	16	14	<1	<5	21
R2 90X082R1822		18	1.0	44	9	126	<1	10	17	<1	<5	25

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Geochemical Lab Report

DATE PRINTED: 18-AUG-90

REPORT: V90-01640.0 | PROJECT: PARADIGM | PAGE 18

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Fe PCT	Mn PCT	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT
R2 90P082R4077		<5	3.94	0.10	<10	133	22	14	<20	<10	7	0.77
R2 90P082R4078		<5	3.49	0.10	<10	221	15	15	<20	<10	10	0.98
R2 90P082R4079		<5	6.40	0.17	13	224	18	45	<20	<10	3	0.91
R2 90P082R4080		<5	5.17	0.30	11	486	17	19	<20	<10	6	0.87
R2 90P082R4081		<5	3.38	0.04	<10	61	21	6	<20	<10	4	0.83
R2 90P082R4082		<5	6.05	0.22	14	117	27	44	<20	<10	3	0.79
R2 90P082R4083		<5	6.17	0.09	13	87	90	113	<20	<10	6	3.82
R2 90P082R4084		<5	7.48	0.01	<10	221	60	90	<20	<10	4	1.83
R2 90P082R4085		9	6.17	0.05	12	35	25	33	<20	<10	4	1.61
R2 90P082R4086		<5	1.09	0.27	<10	141	24	17	<20	<10	6	0.32
R2 90P082R4087		<5	4.37	0.10	<10	258	30	44	<20	<10	9	1.79
R2 90P082R4088		9	5.19	0.02	<10	564	45	28	<20	<10	1	1.44
R2 90X082R001		9	2.59	0.23	<10	22	23	150	<20	<10	3	5.23
R2 90X082R1820		17	2.58	<0.01	<10	61	102	2	<20	<10	14	0.45
R2 90X082R1821		<5	5.95	0.14	10	22	39	52	<20	<10	7	1.95
R2 90X082R1822		10	7.93	0.12	11	15	24	63	<20	<10	6	2.02

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Geochemical Lab Report

REPORT: V90-01640.0

DATE PRINTED: 18-AUG-90
PROJECT: PARADIGM PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM
R2 90P082R4077		0.59	3.14	<0.05	0.41	51	11
R2 90P082R4078		0.44	4.10	<0.05	0.49	50	13
R2 90P082R4079		0.77	2.64	<0.05	0.47	44	10
R2 90P082R4080		0.59	2.85	<0.05	0.47	33	9
R2 90P082R4081		0.11	0.38	<0.05	0.41	13	8
R2 90P082R4082		1.29	6.77	<0.05	0.39	84	9
R2 90P082R4083		3.43	5.80	<0.05	0.09	297	10
R2 90P082R4084		0.65	0.21	<0.05	0.30	21	5
R2 90P082R4085		0.78	2.47	<0.05	0.36	172	10
R2 90P082R4086		0.25	3.76	<0.05	0.09	>2000	20
R2 90P082R4087		1.15	8.15	<0.05	0.35	454	13
R2 90P082R4088		0.22	0.13	<0.05	0.49	18	6
R2 90X082R001		1.88	1.15	<0.05	<0.05	31	14
R2 90X082R1820		<0.05	<0.05	<0.05	0.38	5	2
R2 90X082R1821		1.49	5.02	<0.05	0.35	261	13
R2 90X082R1822		1.64	3.34	<0.05	0.36	138	12

File: Paradigm

008-2-4.1

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DATE PRINTED: 23-AUG-90

REPORT: V90-01703.0

PROJECT: PARADIGM PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM
R2 90 PO 82 R-4138		<5	0.6	60	8	31	<1	362	33	<1	<5	366
R2 90 PO 82 R-4139		51	1.8	55	49	404	5	16	9	1	<5	461
R2 90 PO 82 R-4140		58	1.5	17	31	20	5	5	5	<1	<5	422
R2 90 PO 82 R-4141		<5	0.6	39	4	35	<1	372	30	<1	<5	416
R2 90 PO 82 R-4142		<5	0.5	13	14	15	36	2	<1	<1	<5	74
R2 90 PO 82 R-4143		61	9.6	6	19	5	2	3	<1	<1	<5	179
R2 90 PO 82 R-4144		101	32.4	4	47	15	11	5	<1	<1	<5	370
R2 90 PO 82 R-4145		20	4.4	27	33	57	9	26	16	<1	<5	208
R2 90 PO 82 R-4146		21	1.7	18	16	58	2	17	9	<1	<5	139
R2 90 PO 82 R-4147		7	0.7	49	14	106	6	21	14	<1	<5	9
R2 90 PO 82 R-4148		54	4.5	19	104	119	7	12	7	<1	<5	213
R2 90 XO 82 R-1823		112	3.5	12	16	33	4	2	1	<1	<5	248
R2 90 XO 82 R-1824		185	30.9	22	37	56	3	3	<1	<1	<5	141
R2 90 XO 82 R-1825		44	10.2	33	35	68	13	8	4	<1	<5	111
R2 90 XO 82 R-1826		<5	1.2	5	9	23	2	2	2	<1	<5	53
R2 90 XO 82 R-1827		<5	1.1	4	21	23	66	1	1	<1	<5	118
R2 90 XO 82 R-1828		7	0.9	98	14	140	<1	590	55	<1	<5	700

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PROJECT: PARADIGM

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Fe PCT	Mn PCT	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT
R2 90 PO 82 R-4138		10	5.68	0.14	<10	176	390	67	<20	<10	2	1.41
R2 90 PO 82 R-4139		74	4.11	<0.01	<10	63	37	30	<20	<10	8	1.01
R2 90 PO 82 R-4140		51	5.08	0.01	<10	48	87	14	<20	<10	2	0.75
R2 90 PO 82 R-4141		106	5.30	0.13	<10	1192	286	63	<20	<10	1	0.92
R2 90 PO 82 R-4142		<5	1.42	<0.01	<10	379	37	2	<20	<10	28	0.98
R2 90 PO 82 R-4143		9	1.62	<0.01	<10	381	124	1	<20	<10	22	0.43
R2 90 PO 82 R-4144		20	1.77	<0.01	<10	181	102	1	<20	<10	20	0.36
R2 90 PO 82 R-4145		10	4.89	0.04	<10	32	58	23	<20	<10	9	1.02
R2 90 PO 82 R-4146		<5	4.05	0.29	<10	96	31	22	<20	<10	9	0.79
R2 90 PO 82 R-4147		10	5.78	0.06	<10	110	28	78	<20	<10	11	2.54
R2 90 PO 82 R-4148		18	3.62	0.02	<10	64	64	21	<20	<10	14	0.71
R2 90 XO 82 R-1823		6	1.81	<0.01	<10	124	31	2	<20	<10	23	0.88
R2 90 XO 82 R-1824		11	1.49	<0.01	<10	190	103	2	<20	<10	5	0.53
R2 90 XO 82 R-1825		9	3.33	0.02	<10	176	57	28	<20	<10	13	1.46
R2 90 XO 82 R-1826		<5	1.18	0.09	<10	168	76	4	<20	<10	14	0.47
R2 90 XO 82 R-1827		6	1.47	<0.01	<10	853	40	<1	<20	<10	32	0.99
R2 90 XO 82 R-1828		14	6.09	0.14	<10	145	548	71	<20	<10	3	1.50

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SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM
R2 90 PO 82 R-4138		5.31	>10.00	<0.05	0.17	857	7
R2 90 PO 82 R-4139		<0.05	0.13	<0.05	0.43	13	12
R2 90 PO 82 R-4140		0.08	0.61	<0.05	0.31	43	4
R2 90 PO 82 R-4141		6.10	1.97	<0.05	0.20	1335	10
R2 90 PO 82 R-4142		0.10	<0.05	<0.05	0.49	9	3
R2 90 PO 82 R-4143		<0.05	<0.05	<0.05	0.29	8	2
R2 90 PO 82 R-4144		0.05	0.11	<0.05	0.36	35	2
R2 90 PO 82 R-4145		0.21	1.15	<0.05	0.54	41	8
R2 90 PO 82 R-4146		2.77	9.09	<0.05	0.42	190	9
R2 90 PO 82 R-4147		0.98	3.04	<0.05	0.46	122	13
R2 90 PO 82 R-4148		0.14	0.47	<0.05	0.46	21	5
R2 90 XO 82 R-1823		0.08	<0.05	<0.05	0.44	4	3
R2 90 XO 82 R-1824		<0.05	<0.05	<0.05	0.26	5	2
R2 90 XO 82 R-1825		0.17	<0.05	<0.05	0.51	3	8
R2 90 XO 82 R-1826		0.63	6.48	<0.05	0.26	392	10
R2 90 XO 82 R-1827		0.08	<0.05	<0.05	0.47	14	3
R2 90 XO 82 R-1828		3.56	7.36	<0.05	0.18	506	8

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PROJECT: 082 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Mo PPM	Hg PPM
R2 90 P 082 R4149		<5	0.4	5	7	7	6	<5	<1	0.015
R2 90 P 082 R4150		20	0.4	7	26	2	342	24	3	1.055
R2 90 P 082 R4151		45	0.5	27	26	106	204	8	<1	0.246
R2 90 P 082 R4152		84	1.7	169	51	527	466	29	2	0.859
R2 90 P 082 R4153		5901	19.5	14	129	50	>2000	170	1	5.005
R2 90 P 082 R4154		19	0.4	13	34	21	106	5	7	0.599

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PROJECT: 082 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Mo PPM	Hg PPM
R2 90 X 082 R-3221		<5	1.0	77	<2	93	16	<5	2	0.025
R2 90 X 082 R-3222		24	<0.2	5	6	13	26	<5	3	0.213
R2 90 P 082 R-4211		39	1.4	8	13	109	16	<5	2	0.041
R2 90 P 082 R-4212		25	1.2	4	8	83	6	<5	1	0.055
R2 90 P 082 R-4213		126	19.7	15	40	60	1238	53	22	1.244
R2 90 P 082 R-4214		122	21.5	11	43	67	1551	50	27	1.067
R2 90 P 082 R-4215		22	0.4	7	7	67	26	6	2	0.165
R2 90 P 082 R-4216		11	9.1	6	41	25	355	28	39	0.794
R2 90 P 082 R-4217		<5	9.4	6	33	35	386	28	12	1.148

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Geochemical Lab Report

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REPORT: V90-01686.0 | PROJECT: 082 | PAGE 3C

SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM
R2 90 P 082 (PREFIX)							
R2 R-4091		1.27	7.61	0.06	0.21	264	10
R2 R-4092		<0.05	<0.05	<0.05	0.11	5	1
R2 R-4093		<0.05	<0.05	<0.05	0.31	12	2
R2 R-4094		0.13	0.50	<0.05	0.39	32	7
R2 R-4095		1.30	6.58	<0.05	0.29	299	10
R2 R-4096		0.13	1.11	<0.05	0.07	71	6
R2 R-4097		<0.05	0.08	<0.05	0.32	14	4
R2 R-4098		<0.05	<0.05	<0.05	0.38	14	3
R2 R-4099		<0.05	<0.05	<0.05	0.35	13	3
R2 R-4100		<0.05	<0.05	<0.05	0.29	4	2
R2 R-4101		<0.05	<0.05	<0.05	0.38	6	2
R2 R-4102		<0.05	0.06	<0.05	0.20	11	3
R2 R-4136		<0.05	0.13	<0.05	0.30	19	2

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SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Fe PCT	Mn PCT	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT
R2 90 P 082 (PREFIX)												
R2 R-4091		<5	5.60	0.12	<10	148	59	59	<20	<10	10	1.06
R2 R-4092		16	2.05	<0.01	<10	52	6	6	<20	<10	<1	0.21
R2 R-4093		56	4.93	<0.01	<10	64	11	11	<20	<10	2	0.57
R2 R-4094		90	>10.00	<0.01	11	13	44	44	<20	15	1	1.16
R2 R-4095		12	4.91	0.09	<10	251	34	34	<20	<10	6	1.06
R2 R-4096		<5	2.28	0.06	<10	57	17	17	<20	<10	<1	0.49
R2 R-4097		47	5.05	<0.01	<10	144	<1	<1	<20	<10	21	0.44
R2 R-4098		173	9.40	<0.01	12	33	<1	<1	<20	<10	20	0.39
R2 R-4099		46	2.46	0.01	<10	141	<1	<1	<20	<10	26	0.52
R2 R-4100		39	2.10	<0.01	<10	161	<1	<1	<20	<10	8	0.37
R2 R-4101		67	3.39	<0.01	<10	80	<1	<1	<20	<10	4	0.46
R2 R-4102		<5	2.15	<0.01	<10	78	1	1	<20	<10	26	0.22
R2 R-4136		13	1.76	<0.01	<10	232	9	9	<20	<10	1	0.58

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SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM
R2 90 P 082 (PREFIX)												
R2 R-4091		<5	0.8	181	7	51	1	18	14	<1	<5	28
R2 R-4092		25	0.5	11	14	4	5	4	3	<1	<5	159
R2 R-4093		16	0.7	31	20	6	2	5	5	<1	<5	1481
R2 R-4094		10	1.3	87	27	45	<1	13	27	3	<5	>2000
R2 R-4095		14	0.8	69	38	243	2	55	18	<1	<5	103
R2 R-4096		<5	0.3	4	3	60	<1	4	4	<1	<5	7
R2 R-4097		224	49.9	10	35	153	3	2	1	1	<5	1126
R2 R-4098		603	>50.0	19	89	42	4	3	1	4	<5	>2000
R2 R-4099		166	34.2	6	38	36	1	3	1	1	<5	738
R2 R-4100		107	12.8	5	35	38	3	1	<1	<1	<5	479
R2 R-4101		257	38.3	5	53	69	4	3	1	<1	<5	1289
R2 R-4102		8	0.6	10	24	21	8	3	1	<1	<5	69
R2 R-4136		11	0.8	11	11	5	5	2	2	<1	<5	106

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Geochemical Lab Report

DATE PRINTED: 7-SEP-90

REPORT: V90-01686.0 | PROJECT: 082 | PAGE 4A

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM
R2 R-4137		<5	0.9	55	14	44	<1	336	36	<1	<5	287

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Geochemical Lab Report

REPORT: V90-01686.0

DATE PRINTED: 7-SEP-90

PROJECT: 082

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Fe PCT	Mn PCT	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT
R2 R-4137		10	6.79	0.24	10	98	61	61	<20	<10	2	1.18

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Geochemical Lab Report

DATE PRINTED: 7-SEP-90

REPORT: V90-01686.0 | PROJECT: 082 | PAGE 4C

SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM
R2 R-4137		5.51	>10.00	<0.05	0.12	734	6

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Certificate of Analysis

REPORT: V90-01737.6

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PROJECT: 082 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
R2 90 P 082 R4153		0.169

Registered Assayer, Province of British Columbia

APPENDIX V

Rock Sample Descriptions

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: PARADIGM
Area (Grid):
Collectors:

Results Plotted By: A.M. Gibson
Map: Geology NTS:
Date: July 1990 Surface Underground

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET
90P082R4077	BL 5S 1+025W		✓					Intermed. volc	Grey fragmental - massive tuff? with f.g. dissem pyrite cubes throughout. Possible mariposite blebs	
90P082R4078	BL 5S 1+028W		✓					Intermed volc	As for above description with trace amounts of dk brown vitreous mineral (sphalerite) <1%, dissem	
90P082R4079	BL3S 1+175W		✓					Carbonate alt. Volcanic	Grey-dk grey massive carbonate altered volcanic with possible mariposite blebs.	
90P082R4080	BL3S 1+150W		✓					"	Same as above 4079 ~5m to N. of L3S	
90P082R4081	BL3S 1+480W		✓					Carb alt volc.	Same as above 4079 ~5m to N. of L3S	
90P082R4082	BL3S 1+185W		✓					Carb alt volc.	Tan coloured carb. alt. volc. cut by carbonate stringers to 2cm, dissem f.g. crystalline pyrite.	
90P082R4083	Mikhail 2 claim ~1680'		✓					Fragmental	Foliated light grey intermediate tuff/fragmental cut by 1mm qtz stringers. Unit hosted within argillite	
90P082R4085	Mikhail 2 claim		✓					Intermed. volc	Well carbonate, propylitic altered intermediate volcanic (andesitic?) with 5-10% f.g. diss pyrite in fault zone	
90P082R4086	Mikhail 2 claim		✓					Carbonate	Carbonate/calcite coating of fault wall surface with 1-2mm wide band massive pyrite, beside 4085	
90P082R4087	Paradigm, Mikhail 2		✓					Argillite	Well foliated graphitic argillite between volcanic bands, width is 2-3m. Oxidized <1mm stringers	
90P082R4091	Paradigm 2 claim		✓					Int-felsic volc	Well altered intermediate-felsic volcanic tuff with carbonate, propylitic alt. Cut by micro qtz/carb sts.	
90P082R4092	Paradigm 2 claim		✓					Silicified volc	Black aphanitic siliceous volcanic cut by 1-2mm qtz stringers which occasionally form a breccia text	
90P082R4093	Paradigm 2 near 89P2R09						✓	Intermediate	Intermediate medium grey volcanic with ~20% f.g. dissem-massive pyrite, jarosite stained.	
90P082R4094	Paradigm 2 @ 12R 009		✓						Dark grey intermed. intrusive with up to 10% pyrite along fractures.	
90P082R4095	Paradigm 2		✓						Lens of pyritic intermediate (?) volcanic.	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: Paradigm
Area (Grid):
Collectors: A.M. Gibson

Results Plotted By: AM Gibson
Map: Geology NTS:
Date: Aug 3/90 Surface ✓ Underground

SAMPLE NUMBER 90PO82	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH) GRAB	CHIP (metres)	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET
R4096	N. Grid 20+25N (~70m to E of Stn)		✓					Quartz-carbonate breccia	Quartz carbonate breccia stringer zone within fine grained intermediate volcanic. F.g. to m.g. quartz crystals infilling vugs.	
R4097	N. Grid, jarosite stained cliff at ~			1.5				Felsic fragmental	Fine grained siliceous felsic volcanic; massive to fragmental/breccia texture. Jarosite stained Pyrite up to 20% as massive f.g. blebs — matrix	
R4098	N. Grid			1.5				Felsic fragmental	as above	
R4099	N. Grid			1.5				Felsic fragmental	as above	
R4101	N. Grid			1.5				Felsic fragmental	as above	
				1.5						
R4102	N. Grid							Felsic fragmental	as above	
R4136	N Grid BL 27+75N		✓					Intermediate dyke	Up to 10% fine grained pyrite (diss-massive) and blue coloration near pyrite. Well oxidized, yellow oxidization on fractures.	
R4137	N. Grid (2m from 89PPR6)		✓					Listwanite	Bright green, black and white silicified carbonate altered mafic sills/dykes? with distinctive texture and orange oxide weathering. Dissem. f.g. py 2%	
R4138	N. Grid BL 19+75N		✓					Listwanite	Bright green (blebs) mariposite in siliceous sill/dyke listwanite. Mudstone in contact with the oxidized listwanite. 1-2% f.g. py dissem.	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: PARADIGM
Area (Grid): Paradigm 2 Claim
Collectors: A.M Gibson

Results Plotted By: AMGibson
Map: GEOLOGY NTS:
Date: Aug. 8/90 Surface ✓ Underground

SAMPLE NUMBER 90P092	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET
R4139	N. Grid L21+00N, ~1+95 W		✓					Argillite	Shear pyritic argillite intermediate intrusive contact area. Pyrite to 5% as f.g. dissem.	
R4140	N. Grid L21+50N ~0+50W		✓					Sulphide lens	Pyritic / sulphide lens within silicified, sheared argillite. Lens is approx 10cm in width.	
R4141	Paradigm 2		✓					Listwanite	Well developed listwanite with 1-2% fine grained dissem py.	
R4142	Paradigm 2 Claim N. Grid		✓					Intermed vole.	Contact of sediment + felsic fragmental area; clast / plag lime green, clay altered, black f.g. dissem specs: chromite?	
R4143	Paradigm 2 Claim N. Grid		✓					Intermediate dyke	Jarosite stained porphyritic dyke ~1% diss f.g. py.	
R4144	Paradigm 2 Claim N. Grid L26+75N - 1+30W		✓					Intermediate dyke	Jarosite stained intermediate dyke. Fragmental texture well developed. Fine grained pyrite/arsenopyrite 1-2%.	
R4145	N. Grid L26+90N ~2+50W		✓					Intermediate - felsic fragmental	Lens (sill?) of intermediate - felsic fragmental with up to 10% fine grained disseminated pyrite.	
R4146	N. Grid L26+95N ~ 2+55W		✓					Intermed. dyke	1-2% fine grained pyrite within intermediate dyke with blebs light green mariposite?	
R4147	N. Grid Falls ~3000' beside 89PZR005		✓					Argillite	Argillite w f.g. dissem pyrite at contact with the intermed. intrusive dyke.	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: PARADIGM
Area (Grid): Paradigm 2 Claim
Collectors: A.M. Gibson

Results Plotted By: A.M. Gibson
Map: GEOLOGY NTS:
Date: Aug 10/90 Surface ✓ Underground

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET
90F082										
R4148	Paradigm 2 Falls area above 89P2R005		✓					Intermediate intrusive.	Jarosite stained cut by siliceous stringers weathering to boxwork texture (<1cm) Occasion bright green Mariposite? blebs	
R4149	Paradigm 2 N. Grid L 18+00N 0+70N						✓	Carbonate vein	Carbonate ± barite vein in subcrop >20cm width. White cream with frag/ breccia texture	
R4150	Paradigm 2 ~30m upstream R4149		✓					Intermediate intrusive	Dark grey, fine grained, pyritic with oxidized weathered surface.	
R4151	Paradigm 2 ~5m N of R4150		✓					Listwanite	Pyritic carbonate / sericite altered intermediate dyke/sill. ~5% py. Light green Mariposite? specs	
R4152	Paradigm 2 L 17+55N 0+45W		✓					Intermed intrusive	Dyke/sill cut by fine <3mm siliceous stringers, discontinuous. Up to 5% py.	
R4153	Paradigm 2 Claim N. Grid L 21+00N 1+30E						✓	Quartz stringer zone float	Stringer zone, ~5% pyrite, mariposite blebs, weak fragmental textured float with boxwork within stringers. Host fine grained silicified intermediate volcanic?	
R4154	Paradigm 2 N. Grid NW corner						✓	Felsic fragmental	Felsic fragmental/breccia crosscut by up to 3mm quartz stringers. Up to 20% fine grained diss py in matrix	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: PARADIGM 082.
Area (Grid): Paradigm 2 North Grid.
Collectors: B. McINTYRE

Results Plotted By:
Map: NTS: 104 B/10
Date: Aug 1990. Surface Underground

SAMPLE NUMBER 90x082	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET
R1823	L28+50N x 1+15W same location as 89PPR4 south side		✓					argillite	sheared argill at contact with porphyry dike - contains 7-2% Py.	
R1824	L28+50N x 1+15W same location and Rx as 89PPR4		✓					int volc.	int. grey/green feldspar (?) porphyry dike or plug <1% Py wisps and blebs.	
R1825	L28+55N x 1+15W same location as 89PPR4 north side		✓					argillite	sheared argill at contact of porphyry dike - >2% Py.	
R1826	L28+50N x 1+02W		✓					int. volc	on strike and presumed same porphyry dyke as 1824.	
R1827	L28+55N x 0+95W		✓					int. volc.	appears same dyke material as R1824 but would intersect at oblique angle - separate structure (?)	
R1828	L22+50N x 1+50E						✓	int. volc.	rough angular float in gossanous soil pit Highly altered (listwanite?) porphyritic with 10% marcasite >2% Py. Heavy Fe stained.	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: PARADIGM 082
Area (Grid): MIKHAIL I - North Boundary
Collectors: B. McINTYRE

Results Plotted By:
Map: NTS: 104 B/10
Date: Aug 1990 Surface ✓ Underground

SAMPLE NUMBER 90X082	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET
	MIKHAIL 1. CLAIM									
R1820	On most northerly Crk West - flowing to Harrgrave/ 15M from 89 MWH 03. 0400						✓	felsic	1M rounded float weathered rusty brown Brecciated, >5% fine dissem PY.	
R1821	4+30m upstream of R1820. South side.		✓					int. volc.	interbedded intermed volc, pass bleached andesite at contact with sheared argill. Variable 5-10% fine dissem PY.	
R1822	4+30m upstream of R1820. North side		✓					int. volc.	as above - same contact.	
	PARADIGM 2 CLAIM.									
R3221	2560' mid claim upper source to crk with 89 PWH 4		✓					int. volc	dark grey, brecciated pyroclastic w frags to 1cm - some chert frags. <1% PY	
R3222	2560' mid claim see R 3221		✓					int. volc	see R 3221	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: PARADIGM
Area (Grid): Paradigm 2 Follow-up below L
Collectors:

Results Plotted By: A.M. Gibson
Map: NTS:
Date: Sept 7/90 Surface ✓ Underground

SAMPLE NUMBER 90P082	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET
R4211	Paradigm 2 Claim L16+50N Creek		✓					Felsic debris flow	Felsic volcanic debris flow/fragmental with rounded clasts felsic volcanic with silicified black graphitic fracture coatings. Gray-brown weathering	
R4212	Paradigm 2 Claim L16+50N Creek		✓					Felsic clast	Clast (10cm) of felsic debris flow with fine black silicified fracture coatings - possibly graphite, possible Mn coatings.	
R4213	Paradigm 2 Claim L16+50N Creek		✓					Felsic fragmental	Sulphide matrix felsic fragmental with up to 30% fine grained pyrite. Sample taken at the argillite contact.	
R4214	Paradigm 2 Claim 2m to west of R4213		✓					Felsic fragmental	As above R4213	
R4215	Paradigm 2 Claim L16+50N claim		✓					Felsic fragmental	Bright green stained felsic fragmental	
R4216	Paradigm 2 Claim L16+50N claim (@ 89 PER 12)		✓					Felsic fragmental	Re-sample of sulphide rich flow in creek below felsic cliff. 10-20% f.g. py in matrix ± diss throughout rock.	
R4217	Paradigm 2 Claim L16+50N Claim		✓					Felsic fragmental	As above (R4216) but located ~20m to east.	

APPENDIX VI

Stream Silt and Soil Geochemical Results

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Geochemical Lab Report

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PROJECT: 082

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Mo PPM	Hg PPM
S1 90 AW 082 S-001		9	0.7	60	21	176	43	<5	8	0.498
S1 90 AW 082 S-002		<5	3.3	78	19	250	91	<5	18	0.765
S1 90 AW 082 S-003		<5	0.7	45	17	198	30	<5	7	0.356
S1 90 AW 082 S-004		6	8.5	70	77	134	137	7	14	0.848
T1 90 AW 082 L-001		6	0.8	40	18	177	36	<5	6	0.329
T1 90 AW 082 L-002		10	1.1	45	24	184	53	<5	7	0.406
T1 90 ST 082 L-300		<5	1.3	39	22	255	23	<5	11	0.143
T1 90 ST 082 L-301		<5	0.8	21	13	105	8	<5	2	0.096
T1 90 ST 082 L-302		<5	0.8	31	12	157	13	<5	2	0.097
T1 90 ST 082 L-303		<5	0.7	49	15	204	27	<5	3	0.113
T1 90 ST 082 L-304		<5	1.0	47	14	179	22	<5	3	0.103
T1 90 ST 082 L-305		<5	0.9	45	16	204	33	<5	4	0.143
T1 90 ST 082 L-306		7	2.0	51	16	264	39	<5	5	0.194
T1 90 ST 082 L-307		<5	1.2	36	22	174	51	9	6	0.137
T1 90 ST 082 L-308		<5	1.0	37	21	169	47	11	7	0.193
T1 90 ST 082 L-309		22	0.8	38	15	207	47	<5	4	0.211
T1 90 ST 082 L-310		<5	0.6	32	9	178	30	<5	3	0.161

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Geochemical Lab Report

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REPORT: V90-01704.0 | PROJECT: PARADIGM | PAGE 6A

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM
S1 90 EB 082 S21N 1+75W		<5	0.6	12	23	48	5	8	3	<1	<5	11
S1 90 EB 082 S21N 1+50W		<5	0.7	12	18	59	5	7	2	<1	<5	<5
S1 90 EB 082 S21N 1+25W		<5	0.9	19	10	71	1	18	8	<1	<5	13
S1 90 EB 082 S21N 1+00W		<5	0.4	19	13	69	1	26	6	<1	<5	6
S1 90 EB 082 S21N 0+75W		<5	1.0	19	16	56	4	10	5	<1	<5	6
S1 90 EB 082 S21N 0+50W		<5	1.0	20	13	54	3	12	5	<1	<5	<5
S1 90 EB 082 S21N 0+35W		<5	0.7	38	15	119	2	24	18	<1	<5	29
S1 90 EB 082 S21N 0+25W		17	1.0	83	26	181	3	68	27	<1	<5	42
S1 90 EB 082 S21N 0+65E		6	0.8	57	25	132	2	30	22	<1	<5	32
S1 90 EB 082 S21N 0+00E		8	1.0	37	17	88	3	19	22	<1	<5	19
S1 90 EB 082 S21N 0+25E		<5	1.0	25	16	90	3	21	20	<1	<5	30
S1 90 EB 082 S21N 0+50E		15	0.8	88	22	189	3	99	30	<1	<5	35
S1 90 EB 082 S21N 0+75E		13	1.2	61	26	112	2	19	33	<1	<5	25
S1 90 EB 082 S21N 1+00E		<5	0.8	20	18	37	4	8	3	<1	<5	18
S1 90 EB 082 S21N 1+25E		<5	0.9	23	15	95	5	17	22	<1	<5	<5
S1 90 EB 082 S21N 1+38E		6	0.8	49	24	118	3	31	22	<1	<5	25
S1 90 EB 082 S21N 1+50E		<5	0.9	84	16	182	3	90	53	<1	<5	14
S1 90 EB 082 S21N 1+75E		<5	1.2	21	15	88	6	11	10	<1	<5	14
S1 90 EB 082 S21N 2+00E		13	1.2	29	21	94	6	16	7	<1	<5	10
S1 90 JJ 082 (PREFIX)												
S1 S19+50N 3+00W		32	2.8	48	16	129	7	29	23	<1	<5	207
S1 S19+50N 2+75W		25	2.1	126	21	151	5	50	45	<1	<5	58
S1 S19+50N 2+50W		38	2.6	115	24	146	14	37	49	2	<5	45
S1 S19+50N 2+25W		<5	1.1	20	12	52	5	10	7	<1	<5	63
S1 S19+50N 2+00W		<5	1.3	14	16	59	9	4	1	<1	<5	30
S1 S19+50N 1+75W		12	0.5	25	15	126	4	35	25	<1	<5	5
S1 S19+50N 1+50W		<5	0.5	28	15	100	3	27	12	<1	<5	<5
S1 S19+50N 1+25W		8	0.8	19	13	61	4	10	8	<1	<5	13
S1 S19+50N 1+00W		<5	1.4	18	14	58	6	9	6	<1	<5	7
S1 S19+50N 0+75W		<5	0.7	17	14	43	3	10	6	<1	<5	9
S1 S19+50N 0+50W		<5	0.7	27	16	97	3	32	13	<1	<5	29
S1 S19+50N 0+25W		35	2.0	101	53	238	4	48	29	<1	5	243
S1 S19+50N 0+00E		<5	0.6	26	26	127	4	17	10	<1	<5	21
S1 S19+50N 0+25E		<5	0.8	30	17	125	3	24	17	<1	<5	19
S1 S19+50N 0+50E		<5	0.9	12	13	108	4	10	10	<1	<5	8
S1 S19+50N 0+75E		<5	0.7	10	9	86	1	6	10	<1	<5	8
S1 S19+50N 1+00E		<5	0.9	17	14	48	4	9	5	<1	<5	13
S1 S19+50N 1+25E		<5	0.8	13	16	55	5	8	7	<1	<5	10
S1 S19+50N 1+75E		<5	0.8	13	14	65	6	7	5	<1	<5	11
S1 S19+50N 2+00E		<5	0.9	22	12	62	4	12	14	<1	<5	7

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667

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A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

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SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Fe PCT	Mn PCT	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT
S1 90 EB 082 S21N 1+75W		<5	6.46	0.02	<10	57	28	96	<20	<10	15	1.99
S1 90 EB 082 S21N 1+50W		5	9.11	0.04	<10	32	31	71	<20	<10	29	4.30
S1 90 EB 082 S21N 1+25W		7	6.49	0.05	<10	88	30	91	<20	<10	9	4.15
S1 90 EB 082 S21N 1+00W		7	4.98	0.03	<10	64	48	70	<20	<10	15	3.87
S1 90 EB 082 S21N 0+75W		9	9.61	0.03	10	21	34	92	<20	<10	22	4.83
S1 90 EB 082 S21N 0+50W		<5	8.38	0.02	<10	54	30	100	<20	<10	9	3.55
S1 90 EB 082 L21N 0+35W		5	8.20	0.24	<10	205	21	40	<20	<10	8	1.74
S1 90 EB 082 S21N 0+25W		9	7.74	0.14	12	86	46	38	<20	<10	12	2.11
S1 90 EB 082 L21N 0+65E		<5	7.60	0.16	<10	176	22	38	<20	<10	7	1.63
S1 90 EB 082 S21N 0+00E		7	8.82	0.19	16	55	43	97	<20	<10	35	4.06
S1 90 EB 082 S21N 0+25E		<5	9.37	0.10	<10	64	42	100	<20	<10	16	3.95
S1 90 EB 082 S21N 0+50E		14	7.38	0.13	<10	133	73	48	<20	<10	11	2.40
S1 90 EB 082 S21N 0+75E		10	9.57	0.36	15	134	21	43	<20	<10	5	2.73
S1 90 EB 082 S21N 1+00E		6	6.82	0.02	<10	38	32	112	<20	<10	13	3.31
S1 90 EB 082 S21N 1+25E		6	9.54	0.13	14	58	40	104	<20	<10	21	4.63
S1 90 EB 082 L21N 1+38E		7	7.56	0.19	11	153	20	38	<20	<10	8	1.54
S1 90 EB 082 S21N 1+50E		7	>10.00	0.23	12	142	101	134	<20	<10	25	2.73
S1 90 EB 082 S21N 1+75E		6	>10.00	0.10	17	26	38	114	<20	<10	24	4.74
S1 90 EB 082 S21N 2+00E		10	>10.00	0.06	13	65	39	101	<20	10	17	3.09
S1 90 JJ 082 (PREFIX)												
S1 S19+50N 3+00W		25	6.15	0.11	<10	169	23	49	<20	<10	16	1.76
S1 S19+50N 2+75W		38	9.71	0.21	16	159	35	71	<20	<10	24	2.31
S1 S19+50N 2+50W		14	5.13	0.16	<10	98	15	32	<20	<10	18	6.02
S1 S19+50N 2+25W		9	8.38	0.03	11	81	25	107	<20	<10	15	3.43
S1 S19+50N 2+00W		7	>10.00	0.03	16	12	28	57	<20	10	21	3.27
S1 S19+50N 1+75W		<5	7.53	0.12	<10	82	73	98	<20	<10	22	4.21
S1 S19+50N 1+50W		<5	6.86	0.08	<10	66	35	80	<20	<10	15	3.41
S1 S19+50N 1+25W		8	9.52	0.09	11	43	45	118	<20	<10	16	4.13
S1 S19+50N 1+00W		8	>10.00	0.06	13	45	34	118	<20	<10	22	3.38
S1 S19+50N 0+75W		6	7.89	0.02	<10	36	29	98	<20	<10	12	3.39
S1 S19+50N 0+50W		<5	9.16	0.07	<10	60	48	68	<20	11	14	3.14
S1 S19+50N 0+25W		20	>10.00	0.21	18	125	43	47	<20	<10	13	1.56
S1 S19+50N 0+00E		<5	5.42	0.11	<10	157	25	62	<20	<10	15	2.61
S1 S19+50N 0+25E		8	6.60	0.17	10	177	28	58	<20	<10	14	2.73
S1 S19+50N 0+50E		7	7.14	0.16	10	66	21	49	<20	<10	27	3.68
S1 S19+50N 0+75E		<5	6.80	0.09	12	167	17	119	<20	<10	7	3.52
S1 S19+50N 1+00E		8	9.64	0.07	<10	51	38	116	<20	<10	16	3.88
S1 S19+50N 1+25E		6	>10.00	0.07	10	43	33	178	<20	<10	13	3.06
S1 S19+50N 1+75E		10	8.04	0.07	<10	51	22	87	<20	<10	14	3.33
S1 S19+50N 2+00E		<5	8.98	0.06	<10	41	34	113	<20	<10	21	4.70

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North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667

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A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

DATE PRINTED: 29-AUG-90

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PROJECT: PARADIGM PAGE 6C

SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM
S1 90 EB 082 S21N 1+75W		0.20	<0.05	<0.05	0.09	6	4
S1 90 EB 082 S21N 1+50W		0.20	0.09	<0.05	0.06	7	15
S1 90 EB 082 S21N 1+25W		0.52	0.18	<0.05	0.05	16	6
S1 90 EB 082 S21N 1+00W		0.51	0.10	<0.05	0.07	9	9
S1 90 EB 082 S21N 0+75W		0.27	0.11	<0.05	<0.05	10	14
S1 90 EB 082 S21N 0+50W		0.35	0.16	<0.05	<0.05	17	6
S1 90 EB 082 L21N 0+35W		0.61	0.56	0.08	0.11	55	11
S1 90 EB 082 S21N 0+25W		0.82	0.09	<0.05	0.11	7	19
S1 90 EB 082 L21N 0+65E		0.66	0.51	0.07	0.12	49	11
S1 90 EB 082 S21N 0+00E		0.49	0.23	<0.05	0.06	19	29
S1 90 EB 082 S21N 0+25E		0.44	0.18	0.05	0.07	17	15
S1 90 EB 082 S21N 0+50E		1.26	0.20	<0.05	0.14	18	15
S1 90 EB 082 S21N 0+75E		0.50	0.07	<0.05	0.09	8	18
S1 90 EB 082 S21N 1+00E		0.25	0.11	<0.05	<0.05	11	6
S1 90 EB 082 S21N 1+25E		0.39	0.19	0.07	0.07	17	17
S1 90 EB 082 L21N 1+38E		0.59	0.52	0.07	0.13	51	12
S1 90 EB 082 S21N 1+50E		1.60	0.34	<0.05	0.11	17	16
S1 90 EB 082 S21N 1+75E		0.24	0.10	0.06	0.07	8	16
S1 90 EB 082 S21N 2+00E		0.25	0.07	<0.05	0.06	9	12
S1 90 JJ 082 (PREFIX)							
S1 S19+50N 3+00W		0.84	0.62	0.08	0.20	49	15
S1 S19+50N 2+75W		1.01	0.19	<0.05	0.18	12	27
S1 S19+50N 2+50W		0.57	0.14	<0.05	0.12	14	33
S1 S19+50N 2+25W		0.27	0.07	<0.05	0.09	8	6
S1 S19+50N 2+00W		0.14	0.10	0.09	0.07	7	16
S1 S19+50N 1+75W		0.81	0.18	<0.05	0.10	16	20
S1 S19+50N 1+50W		0.83	0.35	0.13	0.10	34	13
S1 S19+50N 1+25W		0.42	0.12	<0.05	<0.05	9	15
S1 S19+50N 1+00W		0.25	0.07	<0.05	<0.05	8	15
S1 S19+50N 0+75W		0.38	0.14	<0.05	0.05	13	7
S1 S19+50N 0+50W		0.51	0.07	<0.05	0.06	7	11
S1 S19+50N 0+25W		0.30	0.24	<0.05	0.10	22	15
S1 S19+50N 0+00E		0.46	0.14	<0.05	0.09	13	16
S1 S19+50N 0+25E		0.51	0.16	<0.05	0.08	14	19
S1 S19+50N 0+50E		0.24	0.13	0.07	0.08	9	19
S1 S19+50N 0+75E		0.48	0.12	<0.05	0.08	11	6
S1 S19+50N 1+00E		0.27	0.06	<0.05	<0.05	6	10
S1 S19+50N 1+25E		0.23	0.10	<0.05	<0.05	9	10
S1 S19+50N 1+75E		0.33	<0.05	<0.05	<0.05	5	8
S1 S19+50N 2+00E		0.43	0.26	0.09	0.07	22	17

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130 Pemberton Ave.
North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667

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Geochemical Lab Report

REPORT: V90-01704.0

DATE PRINTED: 29-AUG-90

PROJECT: PARADIGM

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM
S1 S19+50N 2+25E		7	0.5	26	19	87	8	14	17	<1	<5	<5
S1 S19+50N 2+50E		<5	0.4	21	15	55	4	8	15	<1	<5	<5
S1 90 X 082 (PREFIX)												
S1 L18+00N 0+75W		11	0.6	30	11	105	3	11	17	<1	<5	<5
S1 L18+00N 0+50W		<5	1.1	22	16	84	4	10	9	<1	<5	12
S1 L18+00N 0+00E		<5	0.6	25	15	112	3	10	13	<1	<5	22
S1 L18+00N 0+25E		<5	0.5	36	28	117	3	10	17	<1	<5	<5
S1 L18+00N 0+75E		<5	0.4	14	4	39	2	11	6	<1	<5	8
S1 L18+00N 1+00E		6	0.6	21	15	71	2	19	6	<1	<5	14
S1 L18+00N 1+25E		<5	0.8	19	14	42	6	5	2	<1	<5	11
S1 L18+00N 1+50E		<5	0.3	22	3	50	1	14	8	<1	<5	<5
S1 L18+00N 1+75E		6	0.7	10	19	77	5	5	2	<1	<5	<5
S1 L18+00N 2+00E		<5	0.7	26	14	78	4	13	18	<1	<5	<5
S1 90 S1 082 (PREFIX)												
S1 S16+50N 3+50W		13	2.4	52	31	143	7	21	20	<1	<5	46
S1 S16+50N 3+25W		24	11.0	20	35	67	14	17	4	<1	<5	80
S1 S16+50N 3+00W		8	1.8	32	13	79	2	48	8	<1	<5	27
S1 S16+50N 2+75W		23	6.5	48	32	80	8	10	5	<1	<5	73
S1 S16+50N 2+50W		16	1.5	39	25	107	13	11	10	<1	<5	50
S1 S16+50N 2+25W		<5	2.0	24	7	37	5	9	4	<1	<5	6
S1 S16+50N 2+00W		8	0.5	19	11	52	2	12	6	<1	<5	<5
S1 S16+50N 1+75W		<5	0.8	18	10	46	3	10	5	<1	<5	8
S1 S16+50N 1+50W		14	1.1	48	26	96	4	17	25	<1	<5	34
S1 S16+50N 1+25W		22	1.0	44	42	99	3	24	16	<1	<5	52
S1 S16+50N 1+00W		6	0.9	22	19	69	3	13	8	<1	<5	15
S1 S16+50N 0+75W		<5	0.7	27	7	70	3	16	19	<1	<5	<5
S1 S16+50N 0+50W		<5	0.6	20	16	51	4	10	6	<1	<5	<5
S1 S16+50N 0+25W		<5	0.5	26	8	66	3	19	9	<1	<5	<5
S1 S16+50N 0+75E		<5	1.5	18	9	66	2	13	7	<1	<5	15
S1 S16+50N 1+00E		<5	0.3	17	6	49	1	12	5	<1	<5	<5
S1 S16+50N 1+25E		<5	0.6	23	15	87	3	13	10	<1	<5	14
S1 S16+50N 1+50E		7	0.5	23	15	69	3	10	20	<1	<5	<5
S1 S16+50N 1+75E		<5	0.8	20	14	61	5	19	12	<1	<5	<5
S1 S16+50N 2+00E		<5	0.4	20	11	67	2	45	13	<1	<5	15

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North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667

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Geochemical Lab Report

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REPORT: V90-01704.0

PROJECT: PARADIGM

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Fe PCT	Mn PCT	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT
S1 S19+50N 2+25E		11	7.85	0.15	<10	62	22	53	<20	<10	20	2.16
S1 S19+50N 2+50E		<5	6.77	0.10	10	45	27	100	<20	<10	12	3.79
S1 90 X 082 (PREFIX)												
S1 L18+00N 0+75W		<5	8.78	0.15	13	101	25	98	<20	<10	15	3.65
S1 L18+00N 0+50W		<5	8.50	0.13	11	48	37	92	<20	<10	24	4.46
S1 L18+00N 0+00E		6	6.44	0.11	<10	132	19	90	<20	<10	15	2.69
S1 L18+00N 0+25E		8	5.27	0.35	<10	399	12	53	<20	<10	30	2.14
S1 L18+00N 0+75E		<5	7.09	0.02	<10	24	25	126	<20	<10	14	3.87
S1 L18+00N 1+00E		9	9.27	0.06	<10	57	42	122	<20	<10	16	3.82
S1 L18+00N 1+25E		6	9.91	0.02	11	12	32	67	<20	<10	28	5.20
S1 L18+00N 1+50E		8	8.29	0.04	<10	40	29	106	<20	<10	11	5.05
S1 L18+00N 1+75E		7	9.21	0.06	12	20	23	34	<20	<10	32	3.42
S1 L18+00N 2+00E		7	7.49	0.20	<10	60	27	110	<20	<10	16	4.41
S1 90 ST 082 (PREFIX)												
S1 S16+50N 3+50W		11	5.69	0.17	<10	127	10	31	<20	<10	12	1.15
S1 S16+50N 3+25W		26	7.14	0.02	<10	92	13	47	<20	<10	20	0.98
S1 S16+50N 3+00W		11	7.42	0.03	11	111	64	70	<20	<10	6	2.51
S1 S16+50N 2+75W		8	8.09	0.03	<10	129	16	63	<20	<10	13	1.77
S1 S16+50N 2+50W		14	5.67	0.04	<10	97	12	43	<20	<10	14	2.03
S1 S16+50N 2+25W		9	6.28	0.01	<10	42	21	92	<20	<10	13	5.18
S1 S16+50N 2+00W		11	7.91	0.03	<10	43	32	124	<20	<10	13	3.42
S1 S16+50N 1+75W		<5	8.38	0.03	12	29	29	114	<20	<10	16	3.74
S1 S16+50N 1+50W		11	8.32	0.28	11	70	31	75	<20	<10	11	3.20
S1 S16+50N 1+25W		12	7.94	0.15	<10	60	40	74	<20	<10	11	2.34
S1 S16+50N 1+00W		5	5.79	0.05	<10	77	30	104	<20	<10	10	3.17
S1 S16+50N 0+75W		6	8.32	0.16	<10	38	37	112	<20	<10	24	4.15
S1 S16+50N 0+50W		8	9.52	0.05	12	33	41	110	<20	<10	19	3.40
S1 S16+50N 0+25W		11	6.58	0.05	<10	138	27	94	<20	<10	13	3.35
S1 S16+50N 0+75E		5	6.66	0.04	<10	46	36	76	<20	<10	18	3.17
S1 S16+50N 1+00E		6	6.03	0.02	<10	36	29	109	<20	<10	9	3.52
S1 S16+50N 1+25E		9	>10.00	0.09	11	75	25	44	<20	<10	14	2.48
S1 S16+50N 1+50E		<5	6.65	0.22	<10	46	26	94	<20	<10	11	3.42
S1 S16+50N 1+75E		8	8.34	0.16	<10	28	40	96	<20	<10	9	2.94
S1 S16+50N 2+00E		8	5.59	0.05	<10	41	50	67	<20	<10	11	2.93

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
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V7P 2R5
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PROJECT: PARADIGM PAGE 7C

SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM
S1 S19+50N 2+25E		0.46	0.09	<0.05	0.08	9	15
S1 S19+50N 2+50E		0.48	0.29	0.08	0.08	24	9
S1 90 X 082 (PREFIX)							
S1 L18+00N 0+75W		0.48	0.25	0.06	0.09	22	15
S1 L18+00N 0+50W		0.21	0.08	<0.05	0.06	8	16
S1 L18+00N 0+00E		0.48	0.42	<0.05	0.10	30	16
S1 L18+00N 0+25E		0.56	1.01	<0.05	0.11	60	41
S1 L18+00N 0+75E		0.73	0.31	0.07	<0.05	21	11
S1 L18+00N 1+00E		0.37	0.09	<0.05	<0.05	10	9
S1 L18+00N 1+25E		0.08	0.05	0.05	<0.05	3	23
S1 L18+00N 1+50E		0.61	0.38	0.10	0.07	32	12
S1 L18+00N 1+75E		0.08	0.06	0.07	0.07	3	16
S1 L18+00N 2+00E		0.64	0.33	0.08	0.06	26	16
S1 90 ST 082 (PREFIX)							
S1 S16+50N 3+50W		0.11	0.12	<0.05	0.12	8	17
S1 S16+50N 3+25W		0.07	0.10	<0.05	0.07	13	4
S1 S16+50N 3+00W		0.76	<0.05	<0.05	0.07	13	3
S1 S16+50N 2+75W		0.15	0.05	<0.05	0.11	11	5
S1 S16+50N 2+50W		0.47	0.28	0.08	0.12	29	7
S1 S16+50N 2+25W		0.36	0.19	<0.05	<0.05	17	6
S1 S16+50N 2+00W		0.45	0.16	<0.05	0.06	14	9
S1 S16+50N 1+75W		0.51	0.20	0.06	0.06	17	11
S1 S16+50N 1+50W		0.50	0.08	<0.05	0.09	9	9
S1 S16+50N 1+25W		0.37	0.09	<0.05	0.09	10	8
S1 S16+50N 1+00W		0.34	0.17	<0.05	0.08	18	5
S1 S16+50N 0+75W		0.68	0.29	0.07	0.07	24	26
S1 S16+50N 0+50W		0.26	0.09	<0.05	<0.05	8	14
S1 S16+50N 0+25W		0.72	0.36	0.06	0.06	31	15
S1 S16+50N 0+75E		0.43	0.13	<0.05	0.05	10	13
S1 S16+50N 1+00E		0.51	0.28	0.07	0.06	24	8
S1 S16+50N 1+25E		0.19	0.05	<0.05	0.06	6	7
S1 S16+50N 1+50E		0.39	0.18	<0.05	0.09	16	10
S1 S16+50N 1+75E		0.41	0.11	<0.05	0.07	12	5
S1 S16+50N 2+00E		0.78	0.10	<0.05	0.06	11	7

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V7P 2R5
(604) 985-0681 Telex 04-352667

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PROJECT: 082 PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM
S1 90 ST 082-S (PREFIX)												
S1 1600F 001		5	2.0	58	18	99	5	24	43	<1	<5	127
S1 1600F 002		<5	0.7	35	9	63	5	17	24	<1	<5	<5
S1 1600F 003		8	0.8	23	19	66	4	28	28	<1	6	<5
S1 1600F 004		23	0.5	28	7	88	12	12	12	<1	<5	<5
S1 1600F 005		14	0.5	22	24	67	9	13	18	<1	<5	<5
S1 1600F 006		<5	0.8	18	9	38	8	10	11	<1	<5	7
S1 1800F 100		<5	0.8	19	12	51	4	9	7	<1	<5	<5
S1 1800F 101		<5	0.7	16	7	49	3	11	7	<1	<5	<5
S1 1800F 102		<5	0.6	19	11	45	3	10	6	<1	<5	<5
S1 023 1900F 11+50N		<5	0.9	30	21	97	4	35	17	<1	<5	8
S1 022 1900F 11+00N		<5	0.4	16	12	38	3	17	8	<1	<5	<5
S1 021 1900F 10+50N		<5	0.5	20	15	39	6	11	4	<1	<5	<5
S1 020 1900F 10+00N		5	0.4	14	10	38	3	10	4	<1	<5	<5
S1 019 1900F 9+50N		<5	1.1	31	9	43	2	11	4	<1	<5	<5
S1 018 1900F 9+00N		<5	1.0	20	25	78	19	14	5	<1	<5	<5
S1 017 1900F 8+50N		6	1.1	21	24	65	15	19	6	<1	<5	8
S1 016 1900F 8+00N		6	1.2	49	20	87	10	15	13	<1	<5	15
S1 015 1900F 7+50N		<5	1.3	20	13	38	4	19	4	<1	<5	<5
S1 014 1900F 7+00N		<5	0.7	24	17	44	4	12	9	<1	<5	26
S1 013 1900F 6+50N		<5	1.4	27	29	39	9	7	7	<1	<5	40
S1 012 1900F 6+00N		<5	0.8	37	15	48	3	21	13	<1	<5	<5
S1 011 1900F 5+50N		<5	1.3	13	20	73	8	6	2	<1	<5	13
S1 90 ST 082 (PREFIX)												
S1 S-017		9	0.8	41	16	196	3	66	24	<1	<5	13
S1 S-018		6	0.7	20	18	120	12	11	13	<1	<5	<5
S1 S-019		<5	1.4	20	15	50	3	9	10	<1	<5	19
S1 S-020		<5	1.6	26	22	85	8	14	5	<1	<5	11
S1 S-021		6	1.6	23	20	75	8	21	9	<1	<5	<5
S1 S-022		<5	1.5	20	16	70	11	20	8	<1	<5	<5
S1 S-023		<5	0.9	31	15	151	3	41	12	<1	<5	15
S1 S-024		<5	0.9	17	12	48	7	14	3	<1	<5	13
S1 S-025		<5	0.5	20	11	36	5	8	4	<1	<5	<5
S1 S-026		<5	0.9	19	18	54	8	22	6	<1	<5	<5
S1 S-027		<5	1.4	30	9	60	5	21	11	<1	<5	<5
S1 S-028		<5	1.3	27	12	70	7	16	7	<1	<5	9
S1 S-029		<5	1.1	18	17	61	11	15	4	<1	<5	<5
S1 S-030		<5	0.6	15	22	59	7	16	3	<1	<5	<5
S1 S-031		<5	1.0	44	18	85	7	54	5	<1	<5	<5
S1 S-032		6	0.7	107	25	224	6	115	52	<1	<5	7

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V7P 2R5
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SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Fe PCT	Mn PCT	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT
S1 90 ST 082-S (PREFIX)												
S1 1600F 001		13	7.67	0.51	10	121	51	71	<20	<10	31	5.58
S1 1600F 002		11	9.22	0.37	<10	151	36	119	<20	<10	19	4.87
S1 1600F 003		<5	8.56	0.54	13	316	60	90	<20	12	17	3.34
S1 1600F 004		<5	4.07	0.24	<10	329	14	50	<20	<10	23	3.75
S1 1600F 005		9	7.26	0.30	<10	200	29	76	<20	<10	21	4.71
S1 1600F 006		8	8.62	0.11	11	127	22	104	<20	<10	12	2.37
S1 1800F 100		6	9.93	0.03	10	56	29	150	<20	10	7	4.36
S1 1800F 101		<5	7.09	0.04	<10	64	32	112	<20	<10	15	5.09
S1 1800F 102		<5	7.08	0.02	<10	157	27	127	<20	<10	6	3.11
S1 023 1900F 11+50N		<5	7.36	0.11	<10	79	51	98	<20	<10	13	3.91
S1 022 1900F 11+00N		<5	5.44	0.03	<10	162	32	106	<20	<10	10	2.18
S1 021 1900F 10+50N		<5	6.18	0.01	<10	80	34	252	<20	<10	10	1.44
S1 020 1900F 10+00N		<5	7.22	0.01	<10	66	23	149	<20	<10	5	1.15
S1 019 1900F 9+50N		5	9.41	0.02	<10	166	25	152	<20	<10	6	3.62
S1 018 1900F 9+00N		<5	>10.00	0.06	22	27	39	72	<20	13	27	3.61
S1 017 1900F 8+50N		7	>10.00	0.05	19	30	47	67	<20	18	21	4.20
S1 016 1900F 8+00N		8	>10.00	0.06	15	57	35	129	<20	<10	14	2.12
S1 015 1900F 7+50N		<5	6.53	0.02	<10	47	38	79	<20	<10	10	1.65
S1 014 1900F 7+00N		<5	6.35	0.04	<10	114	24	140	<20	<10	7	1.81
S1 013 1900F 6+50N		11	10.00	0.04	12	39	31	230	<20	12	13	2.27
S1 012 1900F 6+00N		8	6.66	0.08	<10	68	33	130	<20	<10	6	1.89
S1 011 1900F 5+50N		<5	10.00	0.05	11	31	29	54	<20	<10	25	3.59
S1 90 ST 082 (PREFIX)												
S1 S-017		8	5.19	0.14	<10	127	59	54	<20	<10	13	2.74
S1 S-018		<5	6.85	0.06	<10	90	24	134	<20	<10	17	1.18
S1 S-019		<5	9.73	0.05	11	61	23	145	<20	10	6	2.98
S1 S-020		9	>10.00	0.04	16	38	48	96	<20	14	24	3.52
S1 S-021		6	>10.00	0.04	18	56	52	147	<20	13	14	2.43
S1 S-022		9	>10.00	0.04	19	29	57	136	<20	14	13	2.51
S1 S-023		6	8.82	0.08	15	118	74	79	<20	<10	17	4.46
S1 S-024		6	7.51	0.03	<10	73	24	142	<20	<10	8	1.03
S1 S-025		<5	4.48	0.03	<10	70	23	95	<20	<10	6	0.63
S1 S-026		<5	8.45	0.03	12	51	39	186	<20	<10	9	1.43
S1 S-027		12	>10.00	0.04	22	66	65	265	<20	16	5	3.77
S1 S-028		9	>10.00	0.03	15	31	63	207	<20	13	14	5.01
S1 S-029		<5	9.70	0.02	10	39	50	141	<20	<10	15	2.46
S1 S-030		6	7.68	0.02	<10	98	39	88	<20	<10	18	1.92
S1 S-031		5	>10.00	0.02	10	95	71	105	<20	10	26	4.84
S1 S-032		<5	9.38	0.10	12	232	106	105	<20	11	20	5.21

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(604) 985-0681 Telex 04-352667

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SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM
S1 90 ST 082-S (PREFIX)							
S1 1600F 001		0.32	0.16	<0.05	<0.05	13	28
S1 1600F 002		0.68	0.25	<0.05	0.06	21	16
S1 1600F 003		0.55	0.62	<0.05	0.06	35	13
S1 1600F 004		0.38	1.86	0.10	0.07	97	21
S1 1600F 005		0.47	0.38	<0.05	0.06	28	22
S1 1600F 006		0.23	0.12	<0.05	0.08	13	7
S1 1800F 100		0.57	0.19	0.07	<0.05	23	7
S1 1800F 101		0.46	0.23	<0.05	<0.05	23	9
S1 1800F 102		0.28	0.22	<0.05	<0.05	37	5
S1 023 1900F 11+50N		0.73	0.19	<0.05	0.07	17	9
S1 022 1900F 11+00N		0.50	0.31	0.09	0.07	51	8
S1 021 1900F 10+50N		0.13	0.19	<0.05	<0.05	28	4
S1 020 1900F 10+00N		0.16	0.13	<0.05	<0.05	29	3
S1 019 1900F 9+50N		0.19	0.07	<0.05	<0.05	28	6
S1 018 1900F 9+00N		0.17	0.14	<0.05	<0.05	10	13
S1 017 1900F 8+50N		0.24	0.17	<0.05	<0.05	13	14
S1 016 1900F 8+00N		0.16	0.13	<0.05	0.06	13	8
S1 015 1900F 7+50N		0.24	0.19	<0.05	0.05	14	5
S1 014 1900F 7+00N		0.44	0.47	0.06	0.06	41	6
S1 013 1900F 6+50N		0.67	<0.05	<0.05	0.06	4	6
S1 012 1900F 6+00N		0.43	0.32	<0.05	0.06	27	5
S1 011 1900F 5+50N		0.09	0.06	0.06	0.06	5	14
S1 90 ST 082 (PREFIX)							
S1 S-017		1.09	0.40	<0.05	0.08	34	11
S1 S-018		0.14	0.29	<0.05	<0.05	17	6
S1 S-019		0.26	0.14	<0.05	<0.05	19	5
S1 S-020		0.23	0.11	<0.05	<0.05	10	23
S1 S-021		0.42	0.23	<0.05	<0.05	18	9
S1 S-022		0.50	0.11	<0.05	<0.05	11	7
S1 S-023		0.67	0.20	<0.05	<0.05	17	22
S1 S-024		0.12	0.42	<0.05	<0.05	39	3
S1 S-025		0.16	0.33	<0.05	<0.05	28	3
S1 S-026		0.34	0.17	<0.05	<0.05	19	4
S1 S-027		0.48	0.08	<0.05	<0.05	18	6
S1 S-028		0.32	0.05	<0.05	<0.05	5	17
S1 S-029		0.23	<0.05	<0.05	<0.05	7	6
S1 S-030		0.29	0.36	<0.05	0.05	27	7
S1 S-031		0.91	<0.05	<0.05	0.08	6	4
S1 S-032		2.09	0.07	<0.05	0.11	9	11

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SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM
S1 S-033		<5	<0.2	18	30	58	13	11	4	<1	12	<5
S1 S-034		<5	0.9	17	16	80	16	17	5	<1	<5	<5
S1 S-035		<5	1.5	30	21	88	12	19	4	<1	<5	14
S1 S-036		<5	0.6	24	20	60	7	45	5	<1	<5	6
S1 S-037		9	1.6	25	25	61	7	21	6	<1	<5	17
S1 S-038		<5	0.7	20	9	121	3	10	7	<1	<5	11
S1 S-039		10	2.4	39	5	36	3	18	4	<1	<5	22
S1 S-040		<5	1.4	20	16	89	6	12	5	<1	<5	<5
S1 S-041		<5	1.2	36	16	70	11	20	7	<1	<5	6
S1 S-042		<5	1.4	21	27	83	17	5	2	<1	<5	<5
S1 S-043		16	0.8	19	14	162	4	23	15	<1	<5	<5
S1 S-044		<5	0.7	18	9	57	4	17	16	<1	<5	<5
S1 S-045		<5	0.5	19	14	86	14	10	4	<1	<5	<5
S1 S-103		<5	1.1	22	6	63	3	12	20	<1	<5	<5
S1 S-104		7	1.4	37	22	89	7	13	12	<1	<5	8
S1 S-105		<5	1.4	42	13	46	5	14	7	<1	<5	26
S1 S-106		<5	0.8	19	11	59	3	19	6	<1	<5	<5
S1 S-107		<5	1.1	25	15	99	4	57	9	<1	<5	11
S1 S-108		<5	0.7	11	3	71	1	14	13	<1	<5	<5
S1 S-109		<5	0.5	14	9	102	3	15	17	<1	<5	<5
S1 S-110		9	0.7	35	22	127	5	32	21	<1	<5	23
S1 S-111		9	1.2	36	20	118	4	45	8	<1	<5	24
S1 S-112		<5	1.0	8	9	47	4	4	2	<1	<5	17
S1 S-113		<5	1.0	25	18	92	14	12	6	<1	<5	13
S1 S-114		<5	0.8	19	13	70	3	11	8	<1	<5	19
S1 S-115		<5	2.2	24	18	74	9	16	4	<1	<5	11
S1 S-116		<5	2.0	22	10	42	2	11	4	<1	<5	8
S1 S-117		<5	1.0	23	15	72	12	19	6	<1	<5	15
S1 S-118		6	1.4	28	20	85	8	33	7	<1	<5	14
S1 S-119		10	0.9	27	25	95	14	9	3	<1	<5	<5
S1 S-120		<5	1.0	31	12	55	3	23	8	<1	<5	<5
S1 90 X 082 (PREFIX)												
S1 S-001		13	0.7	77	14	124	3	80	40	<1	<5	18
S1 S-002		12	0.6	76	17	116	4	52	31	<1	<5	<5
S1 S-003		13	0.9	79	16	117	3	54	28	<1	<5	14
S1 S-004		13	0.8	72	13	123	2	58	34	<1	<5	13
S1 S-005		15	0.7	73	18	119	4	49	34	<1	<5	10
T1 90 P 082 (PREFIX)												
T1 L-001		<5	0.4	17	8	205	3	38	22	<1	<5	<5
T1 90 ST 082 (PREFIX)												

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S1 S-033		11	1.91	0.02	<10	44	52	135	<20	<10	9	2.63
S1 S-034		6	>10.00	0.04	12	43	50	176	<20	10	13	2.46
S1 S-035		6	>10.00	0.03	24	99	58	131	<20	16	11	2.39
S1 S-036		<5	7.55	0.02	<10	56	62	72	<20	<10	18	2.53
S1 S-037		11	>10.00	0.03	18	84	67	120	<20	12	8	3.02
S1 S-038		5	1.66	0.02	<10	83	31	82	<20	<10	16	4.00
S1 S-039		8	1.73	0.02	<10	25	33	14	<20	<10	27	>10.00
S1 S-040		<5	7.40	0.04	<10	25	34	121	<20	<10	21	1.73
S1 S-041		<5	8.98	0.04	<10	27	38	148	<20	<10	18	1.00
S1 S-042		7	>10.00	0.11	24	11	46	45	<20	21	29	1.44
S1 S-043		5	6.43	0.13	<10	41	41	46	<20	<10	31	4.64
S1 S-044		7	9.29	0.05	<10	81	31	179	<20	<10	7	1.98
S1 S-045		<5	8.68	0.04	12	34	30	128	29	<10	24	2.14
S1 S-103		<5	9.94	0.14	<10	81	34	153	<20	11	12	5.74
S1 S-104		<5	>10.00	0.11	11	77	49	143	<20	11	16	2.65
S1 S-105		<5	9.79	0.03	11	90	37	123	<20	11	9	4.80
S1 S-106		<5	8.73	0.02	11	61	46	148	<20	<10	7	3.45
S1 S-107		8	>10.00	0.04	15	83	94	76	<20	12	9	4.99
S1 S-108		<5	3.28	0.02	<10	87	9	61	<20	<10	5	1.56
S1 S-109		<5	5.25	0.16	<10	160	35	84	<20	<10	20	3.78
S1 S-110		9	6.35	0.12	<10	204	30	65	<20	<10	14	2.15
S1 S-111		<5	7.26	0.03	<10	76	59	52	<20	<10	8	4.15
S1 S-112		<5	4.56	<0.01	<10	98	13	53	<20	<10	4	0.47
S1 S-113		10	8.37	0.05	<10	50	29	101	<20	<10	27	1.59
S1 S-114		7	7.43	0.02	11	114	30	95	<20	<10	5	2.31
S1 S-115		7	>10.00	0.03	21	27	61	88	<20	19	11	3.00
S1 S-116		<5	6.65	0.01	<10	57	24	140	<20	<10	6	1.43
S1 S-117		<5	8.32	0.03	<10	51	38	142	<20	11	15	1.64
S1 S-118		7	>10.00	0.04	14	63	75	107	<20	<10	10	2.92
S1 S-119		8	>10.00	0.05	11	65	27	112	<20	<10	39	1.32
S1 S-120		6	9.36	0.13	<10	64	37	159	<20	<10	6	1.42
S1 90 X 082 (PREFIX)												
S1 S-001		7	8.34	0.15	12	122	94	109	<20	<10	14	3.17
S1 S-002		<5	6.91	0.11	10	140	67	92	<20	<10	12	2.94
S1 S-003		<5	6.90	0.11	<10	144	71	95	<20	<10	11	2.84
S1 S-004		5	6.73	0.14	<10	115	95	95	<20	<10	14	2.89
S1 S-005		7	8.73	0.20	13	106	110	110	<20	<10	17	3.62
T1 90 P 082 (PREFIX)												
T1 L-001		<5	6.13	0.09	<10	186	84	84	<20	<10	13	2.33
T1 90 ST 082 (PREFIX)												

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SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM
S1 S-033		0.13	0.09	<0.05	<0.05	15	4
S1 S-034		0.24	0.05	<0.05	<0.05	10	5
S1 S-035		0.27	0.06	<0.05	<0.05	13	5
S1 S-036		0.69	<0.05	<0.05	0.06	8	7
S1 S-037		0.41	0.09	<0.05	<0.05	16	4
S1 S-038		0.31	0.36	0.07	0.08	33	12
S1 S-039		0.22	<0.05	<0.05	<0.05	3	33
S1 S-040		0.20	0.13	<0.05	0.07	15	12
S1 S-041		0.18	0.11	<0.05	0.05	12	6
S1 S-042		0.07	0.07	<0.05	0.06	3	14
S1 S-043		0.22	0.15	<0.05	0.06	13	31
S1 S-044		0.76	0.32	0.06	0.06	36	6
S1 S-045		0.16	0.08	<0.05	<0.05	11	6
S1 S-103		0.60	0.25	0.05	<0.05	24	8
S1 S-104		0.38	0.22	<0.05	0.06	13	8
S1 S-105		0.34	0.07	<0.05	<0.05	18	6
S1 S-106		0.51	0.11	<0.05	<0.05	17	4
S1 S-107		0.88	<0.05	<0.05	0.06	8	5
S1 S-108		0.86	2.78	0.23	0.11	153	6
S1 S-109		0.39	0.86	0.08	0.08	59	14
S1 S-110		1.00	0.67	0.18	0.14	62	12
S1 S-111		0.74	0.05	<0.05	0.06	10	4
S1 S-112		0.11	1.80	<0.05	<0.05	104	3
S1 S-113		0.14	0.30	<0.05	0.06	19	11
S1 S-114		0.40	0.26	<0.05	0.07	31	4
S1 S-115		0.19	<0.05	0.07	<0.05	5	6
S1 S-116		0.26	0.24	<0.05	<0.05	38	5
S1 S-117		0.20	<0.05	0.08	<0.05	9	5
S1 S-118		0.46	<0.05	<0.05	<0.05	7	4
S1 S-119		0.10	0.05	<0.05	0.05	9	12
S1 S-120		0.34	0.19	<0.05	<0.05	26	4
S1 90 X 082 (PREFIX)							
S1 S-001		2.36	0.60	<0.05	0.09	24	18
S1 S-002		2.04	0.59	<0.05	0.10	22	15
S1 S-003		2.16	0.71	<0.05	0.10	28	14
S1 S-004		2.06	0.57	<0.05	0.09	22	18
S1 S-005		1.90	0.40	<0.05	0.11	16	23
T1 90 P 082 (PREFIX)							
T1 L-001		1.69	1.31	0.43	0.20	121	15
T1 90 ST 082 (PREFIX)							

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SAMPLE NUMBER / ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM
T1 L-001 1600F X 22+70N	12	0.8	41	16	164	3	32	18	<1	<5	32
T1 L-001 1900F X 9+30N	<5	0.7	34	14	150	3	26	15	2	<5	18
T1 L-002 1900F X 15+40N	<5	14.1	31	12	125	4	37	45	<1	<5	21
T1 L-004 2050F X 18+00N	9	0.9	49	23	256	4	51	19	<1	<5	32
T1 90 ST 082 (PREFIX)											
T1 L-002	9	1.5	24	14	321	10	70	55	3	6	42
T1 L-003	9	0.8	26	14	282	6	47	21	<1	<5	19
T1 L-004	14	0.6	51	19	265	4	61	19	<1	<5	16
T1 L-100	10	0.5	46	16	172	3	38	17	<1	<5	15
T1 MOSS MAT L-100M	14	0.7	43	19	160	3	36	16	<1	<5	17
T1 L-102	6	0.7	37	16	472	4	51	22	<1	<5	30
T1 L-103	21	0.8	42	23	306	11	33	22	<1	<5	35
T1 L-105	60	1.0	73	34	242	5	45	20	<1	<5	28
T1 90 X 082 (PREFIX)											
T1 L-001	6	0.9	48	15	253	3	37	21	<1	<5	108
T1 L-002	15	2.8	26	16	190	9	32	43	2	<5	907
T1 L-003	85	0.7	49	21	163	3	34	20	<1	<5	39
T1 L-004	<5	0.6	46	20	452	3	54	24	<1	<5	48
T1 MOSS MAT L-005	21	0.7	52	22	225	4	52	18	<1	<5	38
T1 L-006	18	0.6	54	21	273	4	61	20	<1	<5	9
T1 L-007	13	0.5	45	17	271	4	72	20	<1	<5	9
T1 MOSS MAT L-008	25	1.0	54	25	175	4	45	15	<1	<5	29
T1 MOSS MAT L-009	17	0.7	52	25	182	3	42	16	<1	<5	14
T1 MOSS MAT L-010	129	0.6	40	19	170	4	40	15	<1	<5	6
T1 MOSS MAT L-011	19	0.9	63	31	196	3	45	18	<1	<5	38
T1 L-012	8	0.6	50	12	103	2	50	22	<1	<5	10
R2 90 P 082 (PREFIX)											
R2 R-4091	<5	0.8	181	7	51	1	18	14	<1	<5	28
R2 R-4092	25	0.5	11	14	4	5	4	3	<1	<5	159
R2 R-4093	16	0.7	31	20	6	2	5	5	<1	<5	1481
R2 R-4094	10	1.3	87	27	45	<1	13	27	3	<5	>2000
R2 R-4095	14	0.8	69	38	243	2	55	18	<1	<5	103
R2 R-4096	<5	0.3	4	3	60	<1	4	4	<1	<5	7
R2 R-4097	224	49.9	10	35	153	3	2	1	1	<5	1126
R2 R-4098	603	>50.0	19	89	42	4	3	1	4	<5	>2000
R2 R-4099	166	34.2	6	38	36	1	3	1	1	<5	738
R2 R-4100	107	12.8	5	35	38	3	1	<1	<1	<5	479
R2 R-4101	257	38.3	5	53	69	4	3	1	<1	<5	1289
R2 R-4102	8	0.6	10	24	21	8	3	1	<1	<5	69
R2 R-4136	11	0.8	11	11	5	5	2	2	<1	<5	106

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SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Fe PCT	Mn PCT	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT
T1 L-001 1600F X 22+70N		7	5.40	0.11	<10	285	37	37	<20	<10	10	1.40
T1 L-001 1900F X 9+30N		6	4.00	0.16	<10	273	55	55	<20	<10	33	2.81
T1 L-002 1900F X 15+40N		<5	5.11	0.27	<10	99	55	55	<20	<10	19	4.18
T1 L-004 2050F X 18+00N		11	5.21	0.13	<10	271	38	38	<20	<10	10	1.45
T1 90 ST 082 (PREFIX)												
T1 L-002		<5	7.11	1.27	10	514	53	53	<20	<10	14	2.55
T1 L-003		<5	5.90	0.24	<10	263	51	51	<20	<10	11	2.37
T1 L-004		<5	5.51	0.15	<10	217	51	51	<20	<10	15	1.95
T1 L-100		7	5.92	0.11	<10	310	42	42	<20	<10	13	1.70
T1 MOSS MAT L-100M		8	5.82	0.09	<10	283	40	40	<20	<10	12	1.58
T1 L-102		<5	6.25	0.23	<10	230	45	45	<20	<10	13	1.99
T1 L-103		9	6.52	0.11	<10	277	52	52	<20	<10	17	2.32
T1 L-105		<5	6.13	0.13	<10	274	64	64	<20	<10	13	1.81
T1 90 X 082 (PREFIX)												
T1 L-001		7	7.18	0.33	11	480	36	36	<20	<10	12	1.25
T1 L-002		18	9.40	0.86	12	330	48	48	<20	<10	10	1.65
T1 L-003		<5	6.30	0.14	<10	332	39	39	<20	<10	14	1.54
T1 L-004		6	6.69	0.22	<10	244	49	49	<20	<10	14	2.19
T1 MOSS MAT L-005		7	5.51	0.11	<10	260	55	55	<20	<10	12	1.81
T1 L-006		7	5.89	0.13	10	238	50	50	<20	<10	14	2.00
T1 L-007		8	5.50	0.14	<10	175	43	43	<20	<10	16	2.12
T1 MOSS MAT L-008		<5	5.53	0.06	<10	259	56	56	<20	<10	13	1.68
T1 MOSS MAT L-009		10	5.64	0.11	<10	250	56	56	<20	<10	12	1.65
T1 MOSS MAT L-010		7	4.90	0.08	<10	212	62	62	<20	<10	10	1.75
T1 MOSS MAT L-011		<5	5.94	0.13	<10	257	54	54	<20	<10	14	1.71
T1 L-012		9	6.61	0.08	<10	123	85	85	<20	<10	10	2.74
R2 90 P 082 (PREFIX)												
R2 R-4091		<5	5.60	0.12	<10	148	59	59	<20	<10	10	1.06
R2 R-4092		16	2.05	<0.01	<10	52	6	6	<20	<10	<1	0.21
R2 R-4093		56	4.93	<0.01	<10	64	11	11	<20	<10	2	0.57
R2 R-4094		90	>10.00	<0.01	11	13	44	44	<20	15	1	1.16
R2 R-4095		12	4.91	0.09	<10	251	34	34	<20	<10	6	1.06
R2 R-4096		<5	2.28	0.06	<10	57	17	17	<20	<10	<1	0.49
R2 R-4097		47	5.05	<0.01	<10	144	<1	<1	<20	<10	21	0.44
R2 R-4098		173	9.40	<0.01	12	33	<1	<1	<20	<10	20	0.39
R2 R-4099		46	2.46	0.01	<10	141	<1	<1	<20	<10	26	0.52
R2 R-4100		39	2.10	<0.01	<10	161	<1	<1	<20	<10	8	0.37
R2 R-4101		67	3.39	<0.01	<10	80	<1	<1	<20	<10	4	0.46
R2 R-4102		<5	2.15	<0.01	<10	78	1	1	<20	<10	26	0.22
R2 R-4136		13	1.76	<0.01	<10	232	9	9	<20	<10	1	0.58

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V7P 2R5
(604) 985-0681 Telex 04-352667

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SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM
T1 L-001 1600F X 22+70N		0.70	0.56	<0.05	0.09	46	11
T1 L-001 1900F X 9+30N		0.58	2.64	0.06	0.06	121	28
T1 L-002 1900F X 15+40N		0.67	0.34	0.06	0.07	29	15
T1 L-004 2050F X 18+00N		0.76	0.69	<0.05	0.09	62	10
T1 90 ST 082 (PREFIX)							
T1 L-002		0.81	1.17	<0.05	0.06	98	12
T1 L-003		0.92	0.80	<0.05	0.06	73	9
T1 L-004		1.00	0.69	<0.05	0.09	54	14
T1 L-100		0.84	0.63	<0.05	0.10	54	13
T1 MOSS MAT L-100M		0.78	0.55	<0.05	0.11	49	11
T1 L-102		0.75	0.79	<0.05	0.08	81	12
T1 L-103		0.73	0.55	<0.05	0.08	50	14
T1 L-105		0.90	0.74	<0.05	0.10	58	14
T1 90 X 082 (PREFIX)							
T1 L-001		0.45	0.87	0.05	0.10	70	12
T1 L-002		0.47	0.89	0.07	0.08	53	14
T1 L-003		0.73	0.83	<0.05	0.11	66	14
T1 L-004		0.78	0.63	<0.05	0.10	68	12
T1 MOSS MAT L-005		1.00	0.53	<0.05	0.09	41	11
T1 L-006		1.05	0.56	<0.05	0.09	46	13
T1 L-007		1.04	0.46	<0.05	0.08	50	15
T1 MOSS MAT L-008		0.98	0.56	<0.05	0.09	39	11
T1 MOSS MAT L-009		0.93	0.73	<0.05	0.10	50	11
T1 MOSS MAT L-010		0.92	0.76	<0.05	0.09	51	10
T1 MOSS MAT L-011		0.88	0.81	<0.05	0.10	55	13
T1 L-012		2.09	0.65	<0.05	0.09	27	11
R2 90 P 082 (PREFIX)							
R2 R-4091		1.27	7.61	0.06	0.21	264	10
R2 R-4092		<0.05	<0.05	<0.05	0.11	5	1
R2 R-4093		<0.05	<0.05	<0.05	0.31	12	2
R2 R-4094		0.13	0.50	<0.05	0.39	32	7
R2 R-4095		1.30	6.58	<0.05	0.29	299	10
R2 R-4096		0.13	1.11	<0.05	0.07	71	6
R2 R-4097		<0.05	0.08	<0.05	0.32	14	4
R2 R-4098		<0.05	<0.05	<0.05	0.38	14	3
R2 R-4099		<0.05	<0.05	<0.05	0.35	13	3
R2 R-4100		<0.05	<0.05	<0.05	0.29	4	2
R2 R-4101		<0.05	<0.05	<0.05	0.38	6	2
R2 R-4102		<0.05	0.06	<0.05	0.20	11	3
R2 R-4136		<0.05	0.13	<0.05	0.30	19	2

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V7P 2R5
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SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Mo PPM	Hg PPM
S1 90 CC 082 (PREFIX)										
S1 L001 4+30		<5	1.2	35	13	199	38	6	3	0.183
S1 L002 0+85		<5	1.3	37	21	221	77	10	2	0.197
S1 L032 16+00		<5	0.9	27	13	40	<5	<5	2	0.184
S1 L036 0+00S		6	0.9	27	16	134	<5	<5	3	0.095
S1 L037 0+25S		6	1.3	44	15	64	24	<5	7	0.189
S1 L038 0+75S		<5	1.3	24	20	203	15	<5	6	0.130
S1 L039 1+00S		<5	1.0	25	19	106	<5	9	3	0.127
S1 L040 1+25S		7	1.2	90	19	252	26	11	3	0.255
S1 L041 1+50S		<5	1.0	12	12	38	<5	5	3	0.091
S1 L042 1+75S		<5	1.1	21	18	51	<5	<5	6	0.132
S1 L043 2+00S		<5	1.1	15	6	54	<5	<5	6	0.099
S1 L044		<5	0.7	17	10	100	<5	6	5	0.104
S1 L045 2+50		10	1.0	34	17	53	13	<5	3	0.201
S1 L046 2+75		9	0.6	52	17	126	17	<5	2	0.164
S1 L047 2+75		<5	0.8	22	14	58	<5	6	5	0.168
S1 L048		<5	1.1	26	8	42	<5	<5	3	0.222
S1 L049		<5	0.9	38	17	157	<5	7	4	0.200
S1 L050		10	0.9	32	13	63	<5	8	2	0.120
S1 L051		<5	0.6	21	15	40	<5	<5	3	0.099
S1 L052 4+25		6	0.8	35	15	36	<5	<5	3	0.206
S1 L053 4+50		6	1.1	48	18	150	<5	6	5	0.198
S1 L054 4+75		12	1.1	38	19	58	15	10	4	0.176
S1 L055 5+00		<5	0.6	22	6	35	<5	<5	3	0.131
S1 L056 5+25		6	1.6	38	14	45	13	<5	5	0.203
S1 L057 5+50		<5	1.3	41	18	105	13	7	4	0.124
S1 L058		<5	1.1	26	10	135	6	8	2	0.079
S1 L059 6+00		<5	0.9	19	10	59	<5	6	5	0.136
S1 L060 6+25		<5	1.1	18	13	38	9	6	4	0.107
S1 L061 6+50		<5	0.9	21	14	35	<5	<5	3	0.147
S1 L062 6+75		<5	0.9	18	10	50	20	<5	2	0.174
S1 L064 7+25		<5	1.7	18	14	75	15	6	5	0.116
S1 L065 7+50		<5	0.6	27	13	110	9	8	2	0.111
S1 L066 7+75		<5	<0.2	23	9	69	<5	<5	1	0.072
S1 L067 8+00		<5	0.6	22	10	60	<5	8	2	0.058
S1 L068 8+25		<5	1.5	27	9	62	<5	8	3	0.140
S1 L069 8+50		8	0.8	52	33	110	22	13	15	0.159
S1 L070 8+75		<5	0.9	20	8	45	13	<5	7	0.083
S1 L071 9+00		6	<0.2	21	8	37	<5	<5	5	0.067
S1 L072 9+25		<5	1.2	24	24	177	12	<5	7	0.105

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V7P 2R5
(604) 985-0681 Telex 04-352667

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SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Mo PPM	Mg PPM
S1 L073 9+50		<5	0.8	30	21	113	7	7	5	0.091
S1 L074 9+75		<5	1.0	61	6	45	8	<5	9	0.165
S1 L075 10+00		<5	1.2	24	15	43	<5	<5	11	0.105
S1 90 NB 082 (PREFIX)										
S1 S001 0+00		<5	<0.2	9	2	33	<5	<5	<1	0.166
S1 S002 0+50		<5	<0.2	9	3	28	7	<5	1	0.225
S1 S003 1+00		12	1.0	32	21	159	67	7	3	0.283
S1 S004 1+50		6	<0.2	9	7	37	<5	<5	<1	0.168
S1 S006 2+50		<5	1.2	19	9	37	104	8	3	0.156
S1 S008 3+50		<5	0.6	7	4	23	<5	<5	<1	0.143
S1 S009 4+00		<5	<0.2	5	3	18	<5	<5	<1	0.225
S1 S010 4+50		6	1.5	23	11	24	<5	7	2	0.191
S1 S011 5+00		<5	1.8	17	8	39	7	<5	4	0.170
S1 S012 5+50		<5	1.1	22	25	62	23	<5	15	0.332
S1 S013 8+00		<5	0.6	25	12	53	<5	<5	1	0.140
S1 S014 0+014		<5	0.4	13	7	42	<5	<5	7	0.215
S1 S015 9+00		<5	1.4	25	20	83	<5	9	7	0.153
S1 S016		<5	1.5	42	23	80	21	6	5	0.195
S1 S018		<5	1.6	17	16	67	14	12	15	0.144
S1 S019		<5	0.6	15	10	48	<5	<5	2	0.231
S1 S022		12	1.0	18	12	61	11	<5	2	0.149
S1 S025		<5	0.7	48	17	133	11	6	2	0.115
S1 S027		<5	1.1	23	13	65	<5	10	7	0.253
S1 S028		<5	1.1	23	15	71	<5	<5	6	0.363
S1 S029		<5	0.2	9	5	45	<5	<5	1	0.157
S1 S030		<5	0.3	10	5	44	<5	<5	2	0.180
S1 S031		<5	<0.2	11	11	58	<5	6	7	0.108
S1 S032		<5	0.3	13	10	46	<5	5	1	0.279
S1 S033		<5	1.3	95	11	122	39	6	2	0.073
S1 90 ST 082 (PREFIX)										
S1 S046 3200X 0+00		<5	1.0	21	13	54	20	<5	6	0.104
S1 S047 3200X 0+25		<5	1.4	17	20	96	26	<5	12	0.128
S1 S048		102	2.2	27	38	65	20	9	2	0.221
S1 S049		<5	1.1	18	16	127	<5	6	4	0.075
S1 S050		393	1.9	68	52	185	53	6	3	0.207
S1 S051		<5	1.6	11	18	70	18	<5	9	0.074
S1 S052		<5	1.1	47	12	165	12	11	13	0.234
S1 S053		<5	2.0	21	14	96	<5	<5	4	0.082
S1 S054		<5	0.9	23	11	77	<5	<5	4	0.085
S1 S055		<5	2.4	31	12	122	15	<5	6	0.102

Bondar-Clegg & Company Ltd.
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V7P 2R5
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A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

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SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Mo PPM	Hg PPM
S1 S056		8	1.3	34	48	158	23	<5	9	0.157
S1 S057		<5	1.3	59	16	124	30	10	5	0.161
S1 S058		<5	1.1	19	11	57	17	<5	2	0.090
S1 S059		6	1.4	68	22	39	119	11	4	0.209
S1 S060		<5	0.8	33	13	117	<5	<5	12	0.130
S1 S061		<5	2.1	23	40	187	159	13	6	0.489
S1 S062		10	2.5	33	58	164	195	17	7	0.434
S1 S063		6	2.3	39	97	170	25	13	5	0.122
S1 S064		8	1.0	47	32	179	18	11	8	0.244
S1 S065		<5	1.0	32	18	180	17	7	5	0.112
S1 S066		<5	1.1	30	11	66	<5	<5	2	0.103
S1 S067		<5	1.4	28	32	204	10	6	5	0.131
S1 S068		10	3.7	44	53	80	<5	8	6	0.297
S1 S069		<5	1.8	36	33	269	61	7	15	0.085
S1 S070		8	2.2	32	40	65	25	9	9	0.234
S1 S071		6	1.6	40	27	113	15	8	4	0.143
S1 S072		9	1.1	47	13	102	12	7	4	0.130
S1 S073		7	1.5	45	20	162	25	8	5	0.170
S1 S074		6	2.9	37	31	137	30	7	12	0.138
S1 S075		6	2.1	38	42	116	27	8	24	0.195
S1 S076		9	2.7	55	37	279	24	12	13	0.309
S1 S077		10	1.8	39	38	69	19	12	10	0.278
S1 S078		71	3.9	59	250	245	58	13	15	0.359
S1 S079		10	2.8	56	99	262	69	9	30	0.107
S1 S080		37	8.7	90	111	258	139	12	20	0.174
S1 S081		9	1.2	33	42	101	50	6	8	0.048
S1 S082		16	9.5	51	86	116	50	8	10	0.285
S1 S083		<5	2.0	50	16	212	30	8	40	0.139
S1 S084		11	2.1	37	43	276	55	13	12	0.396
S1 S085		10	4.7	71	104	147	195	11	16	0.142
S1 S086		9	5.5	80	48	293	58	11	6	0.334
S1 90 EB 082S (PREFIX)										
S1 27+00N 0+25W		<5	1.0	24	14	61	<5	<5	10	0.102
S1 27+00N 0+25E		<5	0.6	19	11	53	<5	<5	3	0.055
S1 90 JJ 082S (PREFIX)										
S1 15+00N 3+00W		<5	1.4	27	15	86	19	<5	8	0.527
S1 15+00N 2+75W		7	2.0	26	16	144	22	<5	6	0.207
S1 15+00N 2+50W		6	5.1	34	13	106	31	<5	5	0.727
S1 15+00N 2+25W		<5	2.4	40	15	127	26	<5	5	0.500
S1 15+00N 2+00W		7	0.7	36	14	83	16	<5	2	0.121

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130 Pemberton Ave.
North Vancouver, B.C.
V7P 2R5
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SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Mo PPM	Hg PPM
S1 15+00N 1+75W		15	0.5	10	17	27	<5	<5	4	0.210
S1 15+00N 1+50W		<5	0.8	23	7	45	5	<5	3	0.076
S1 15+00N 1+25W		<5	1.0	21	8	58	11	6	2	0.137
S1 15+00N 1+00W		<5	0.6	19	10	59	<5	<5	3	0.103
S1 15+00N 0+75W		9	0.9	37	16	90	32	9	3	0.118
S1 15+00N 0+50W		<5	0.6	15	4	40	<5	<5	2	0.042
S1 15+00N 0+25W		<5	0.8	36	7	93	<5	<5	2	0.104
S1 15+00N 0+00E		<5	0.6	26	13	86	8	7	2	0.087
S1 15+00N 0+25E		<5	0.8	25	15	90	34	9	3	0.104
S1 15+00N 0+50E		<5	0.5	23	8	99	25	<5	1	0.190
S1 15+00N 0+75E		<5	0.5	22	13	116	32	<5	2	0.082
S1 15+00N 1+00E		<5	0.8	23	14	127	78	9	4	0.111
S1 15+00N 1+25E		<5	1.0	19	13	128	490	8	4	0.120
S1 15+00N 1+50E		<5	0.7	15	21	76	14	11	2	0.086
S1 15+00N 1+75E		<5	0.7	19	13	81	17	<5	4	0.101
S1 15+00N 2+00E		<5	0.9	14	17	63	20	9	3	0.060
S1 13+50N 0+00E		<5	0.5	22	6	57	7	7	3	0.096
S1 13+50N 0+25E		<5	0.6	33	12	112	47	<5	2	0.103
S1 13+50N 0+50E		<5	0.7	19	14	101	<5	<5	2	0.060
S1 13+50N 0+75E		<5	0.7	16	6	43	<5	<5	3	0.087
S1 13+50N 1+00E		<5	0.5	25	22	97	<5	12	4	0.099
T1 90 JJ 082 (PREFIX)										
T1 L001		<5	0.5	31	13	123	<5	<5	2	0.103
T1 L002		10	0.7	52	21	157	22	9	3	0.164
T1 L003		8	0.7	51	21	265	31	5	4	0.145
T1 L004		<5	0.6	53	14	132	<5	<5	2	0.117
T1 L005		5	0.7	30	14	128	9	<5	3	0.114
T1 L006		<5	0.4	28	10	203	9	8	4	0.056
T1 L007		<5	0.6	37	10	159	17	7	5	0.095
T1 L008		<5	2.2	53	49	389	31	13	31	0.272
T1 90 RR 082 (PREFIX)										
T1 L001		<5	0.4	42	16	163	18	9	3	0.113
T1 L002		<5	0.6	25	11	133	9	8	3	0.094
T1 90 ST 082 (PREFIX)										
T1 L105		<5	1.8	57	48	312	42	12	24	0.152
T1 90 ST 082S (PREFIX)										
T1 24+00N 3+25W		<5	4.2	11	2	34	8	<5	<1	0.099
T1 24+00N 3+00W		7	0.6	43	16	200	69	<5	3	0.285
T1 24+00N 2+75W		<5	1.0	30	15	201	20	7	15	0.532
T1 24+00N 2+50W		<5	0.7	26	19	162	18	8	5	0.226

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V7P 2R5
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T1 24+00N 2+25W		<5	0.6	29	18	141	31	10	5	0.184
T1 24+00N 2+00W		<5	0.6	23	7	62	14	6	2	0.118
T1 24+00N 1+75WA		30	1.1	59	20	126	36	12	3	0.231
T1 24+00N 1+75WB		<5	0.6	21	9	86	<5	6	5	0.100
T1 24+00N 1+50W		<5	0.8	24	17	101	9	7	5	0.086
T1 24+00N 1+25WA		7	1.0	65	18	133	21	7	4	0.177
T1 24+00N 1+25WB		10	0.7	25	12	76	10	8	4	0.096
T1 24+00N 1+00W		<5	0.8	21	10	81	11	<5	4	0.122
T1 24+00N 0+75W		<5	0.8	24	16	102	7	<5	5	0.139
T1 24+00N 0+50W		<5	0.4	15	3	51	<5	7	1	0.055
T1 24+00N 0+25W		<5	0.5	31	6	84	<5	12	1	0.069
T1 24+00N 0+00E		12	1.3	89	18	167	243	15	3	0.167
T1 24+00N 0+25E		<5	0.8	21	13	75	<5	6	3	0.106
T1 24+00N 0+50E		<5	0.5	17	10	63	<5	<5	1	0.128
T1 24+00N 0+75E		<5	0.8	17	13	71	<5	<5	5	0.086
T1 24+00N 1+00E		7	0.5	48	18	103	25	<5	2	0.162
T1 24+00N 1+50E		11	1.1	40	16	88	39	8	2	0.067
T1 24+00N 2+00E		6	0.9	20	14	63	<5	<5	3	0.130

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PROJECT: PARADIGM

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM
S1 90 CC 082 S-024		<5	<0.2	6	<2	24	<1	3	2	<1	<5	<5
S1 90 CC 082 S-025		8	1.2	20	15	52	4	11	12	<1	11	37
S1 90 CC 082 S-026		<5	0.4	14	8	40	3	10	6	<1	<5	<5
S1 90 CC 082 S-027		<5	1.2	25	9	49	2	12	10	<1	<5	<5
S1 90 CC 082 S-028		<5	1.6	17	13	54	6	10	5	<1	<5	<5
S1 90 CC 082 S-029		<5	1.7	24	23	49	6	16	12	<1	6	87
S1 90 CC 082 S-030		8	1.1	13	7	72	3	8	9	<1	<5	8
S1 90 CC 082 S-031		<5	1.1	21	14	73	5	14	9	<1	<5	<5
S1 90 CC 082 S-032		16	2.1	36	30	99	6	11	32	<1	<5	45
S1 90 CC 082 S-033		<5	1.2	48	12	53	3	26	13	<1	<5	<5
S1 90 CC 082 S-034		<5	1.6	26	21	53	7	13	13	<1	10	76
S1 90 CC 082 S-035		8	0.6	15	11	50	8	13	6	<1	<5	20
S1 90 JJ 082 L-001		<5	1.2	32	15	191	2	29	16	<1	<5	76
S1 90 JJ 082 L-002A		<5	1.0	31	19	218	3	38	23	<1	<5	64
S1 90 JJ 082 L-002B		<5	1.0	40	8	123	3	35	18	<1	<5	122
S1 90 JJ 082 L-003		<5	1.1	32	16	114	3	34	17	<1	6	86
S1 90 JJ 082 L-004		12	0.8	41	17	123	3	44	16	<1	5	26
S1 90 JJ 082 L-005		<5	0.9	48	18	156	3	40	23	<1	<5	143
S1 90 JJ 082 S-001		<5	1.5	22	8	77	3	13	15	<1	<5	15
S1 90 JJ 082 S-002		<5	1.0	14	16	56	5	43	6	1	9	62
S1 90 JJ 082 S-003		<5	1.4	29	17	80	4	41	8	<1	<5	25
S1 90 JJ 082 S-004		<5	0.9	24	12	75	4	38	7	<1	<5	14
S1 90 JJ 082 S-005		18	1.3	34	14	85	5	24	13	<1	<5	207
S1 90 JJ 082 S-006		<5	3.4	46	19	170	7	27	15	<1	<5	742
S1 90 JJ 082 S-008		28	1.7	37	18	122	6	38	19	<1	<5	120
S1 90 JJ 082 S-009		<5	1.6	24	28	88	22	7	3	<1	<5	11
S1 90 JJ 082 S-010		<5	1.1	41	14	144	6	48	31	<1	<5	171
S1 90 JJ 082 S-011		6	1.9	53	27	151	6	46	21	2	10	314
S1 90 JJ 082 S-012		<5	0.3	6	<2	45	1	4	4	<1	<5	<5
S1 90 JJ 082 S-013		<5	1.3	21	12	39	5	12	7	<1	8	28
S1 90 RR 082 S-001		<5	1.1	22	12	46	3	14	13	<1	<5	10
S1 90 RR 082 S-002		<5	0.8	14	7	36	6	15	4	<1	<5	9
S1 90 RR 082 S-003		<5	0.9	20	8	44	5	24	6	<1	<5	16
S1 90 RR 082 S-004		43	1.1	20	6	31	3	12	5	<1	<5	<5
S1 90 RR 082 S-005		15	1.2	36	7	134	7	27	22	<1	<5	539
S1 90 RR 082 S-006		<5	1.1	17	10	63	9	19	14	<1	<5	40
S1 90 RR 082 S-007		<5	0.7	32	26	57	8	23	9	<1	<5	52
S1 90 RR 082 S-008		<5	1.1	21	23	75	21	8	3	<1	<5	10
S1 90 RR 082 S-009		<5	1.5	35	21	104	8	41	23	1	10	199
S1 90 RR 082 S-010		<5	1.0	35	6	129	3	20	13	<1	<5	144

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SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Fe PCT	Mn PCT	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT
S1 90 CC 082 S-024		<5	0.39	<0.01	<10	18	2	8	<20	<10	<1	0.37
S1 90 CC 082 S-025		11	5.80	0.10	17	152	18	85	<20	<10	14	2.64
S1 90 CC 082 S-026		<5	3.70	0.02	<10	75	15	83	<20	<10	5	0.97
S1 90 CC 082 S-027		<5	>10.00	0.04	14	144	33	125	<20	<10	8	5.78
S1 90 CC 082 S-028		9	>10.00	0.03	20	81	37	117	<20	15	12	3.82
S1 90 CC 082 S-029		24	9.00	0.06	25	647	28	114	<20	15	9	5.65
S1 90 CC 082 S-030		<5	>10.00	0.04	17	130	23	128	<20	<10	9	4.04
S1 90 CC 082 S-031		<5	>10.00	0.07	14	112	49	131	<20	<10	22	3.25
S1 90 CC 082 S-032		15	>10.00	0.16	20	170	32	130	<20	17	15	7.52
S1 90 CC 082 S-033		5	7.89	0.06	10	160	64	111	<20	<10	13	2.62
S1 90 CC 082 S-034		24	8.61	0.06	19	110	26	137	<20	13	12	5.91
S1 90 CC 082 S-035		<5	5.09	0.02	<10	61	23	124	<20	<10	9	1.58
S1 90 JJ 082 L-001		10	5.44	0.24	<10	457	21	41	<20	<10	18	1.98
S1 90 JJ 082 L-002A		9	6.27	0.21	15	447	31	58	<20	<10	15	2.24
S1 90 JJ 082 L-002B		<5	6.10	0.14	<10	368	39	82	<20	<10	18	2.78
S1 90 JJ 082 L-003		8	5.62	0.16	13	343	31	76	<20	<10	15	2.42
S1 90 JJ 082 L-004		7	5.56	0.12	<10	221	42	49	<20	<10	17	2.14
S1 90 JJ 082 L-005		7	7.94	0.18	11	284	44	104	<20	<10	11	3.10
S1 90 JJ 082 S-001		9	>10.00	0.08	17	210	35	144	<20	13	12	3.42
S1 90 JJ 082 S-002		19	6.32	0.02	22	46	54	60	<20	<10	8	2.24
S1 90 JJ 082 S-003		11	>10.00	0.04	19	62	63	62	<20	15	7	2.24
S1 90 JJ 082 S-004		7	9.30	0.05	14	83	56	58	<20	<10	12	3.04
S1 90 JJ 082 S-005		18	>10.00	0.15	21	69	60	153	<20	13	12	2.60
S1 90 JJ 082 S-006		9	7.14	0.41	11	121	38	53	<20	<10	21	8.23
S1 90 JJ 082 S-008		9	7.38	0.17	<10	150	46	68	<20	<10	28	2.99
S1 90 JJ 082 S-009		6	>10.00	0.06	22	41	45	94	<20	20	37	2.03
S1 90 JJ 082 S-010		15	6.51	0.20	<10	228	52	54	<20	<10	19	2.50
S1 90 JJ 082 S-011		26	6.79	0.21	23	238	53	60	<20	12	32	3.24
S1 90 JJ 082 S-012		<5	0.86	<0.01	<10	90	3	19	<20	<10	1	0.43
S1 90 JJ 082 S-013		9	4.59	0.01	12	144	18	98	<20	<10	6	0.88
S1 90 RR 082 S-001		6	8.64	0.07	12	185	26	130	<20	<10	11	2.56
S1 90 RR 082 S-002		<5	7.10	0.02	10	66	34	109	<20	<10	10	2.26
S1 90 RR 082 S-003		6	8.79	0.03	14	120	40	96	<20	<10	10	2.39
S1 90 RR 082 S-004		<5	>10.00	0.03	12	90	34	180	<20	12	4	1.06
S1 90 RR 082 S-005		<5	8.14	0.49	<10	482	37	101	<20	<10	22	4.42
S1 90 RR 082 S-006		9	>10.00	0.12	18	126	48	174	<20	11	9	2.41
S1 90 RR 082 S-007		10	3.61	0.02	<10	98	36	70	<20	<10	12	1.97
S1 90 RR 082 S-008		7	>10.00	0.04	18	47	37	140	20	10	35	1.76
S1 90 RR 082 S-009		25	6.14	0.17	22	195	45	56	<20	12	19	2.56
S1 90 RR 082 S-010		7	6.03	0.07	<10	215	40	110	<20	<10	37	5.36

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SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM
S1 90 CC 082 S-024		0.05	0.42	<0.05	0.06	28	2
S1 90 CC 082 S-025		0.67	0.71	0.09	0.07	36	11
S1 90 CC 082 S-026		0.31	0.45	0.08	0.05	40	3
S1 90 CC 082 S-027		0.56	0.23	<0.05	<0.05	24	7
S1 90 CC 082 S-028		0.29	0.23	<0.05	0.05	36	8
S1 90 CC 082 S-029		0.70	0.34	0.08	0.06	39	11
S1 90 CC 082 S-030		0.55	0.48	0.09	0.06	59	9
S1 90 CC 082 S-031		0.30	0.18	<0.05	<0.05	22	15
S1 90 CC 082 S-032		0.94	0.06	<0.05	<0.05	5	23
S1 90 CC 082 S-033		0.49	0.32	<0.05	<0.05	32	9
S1 90 CC 082 S-034		0.50	0.28	<0.05	<0.05	29	12
S1 90 CC 082 S-035		0.37	0.22	0.05	0.08	23	4
S1 90 JJ 082 L-001		0.48	1.98	<0.05	0.08	122	19
S1 90 JJ 082 L-002A		0.81	1.28	0.06	0.10	89	15
S1 90 JJ 082 L-002B		0.93	1.61	0.06	0.07	93	20
S1 90 JJ 082 L-003		1.21	1.54	0.11	0.08	93	16
S1 90 JJ 082 L-004		0.87	1.08	<0.05	0.08	54	15
S1 90 JJ 082 L-005		1.53	0.71	<0.05	0.09	49	12
S1 90 JJ 082 S-001		0.60	0.30	<0.05	<0.05	23	11
S1 90 JJ 082 S-002		0.89	<0.05	<0.05	<0.05	9	4
S1 90 JJ 082 S-003		0.73	0.12	<0.05	<0.05	17	3
S1 90 JJ 082 S-004		0.74	<0.05	<0.05	<0.05	10	5
S1 90 JJ 082 S-005		0.87	0.14	<0.05	0.05	23	7
S1 90 JJ 082 S-006		0.43	0.26	<0.05	<0.05	18	28
S1 90 JJ 082 S-008		0.92	0.44	0.06	0.07	34	26
S1 90 JJ 082 S-009		0.10	0.10	<0.05	<0.05	8	14
S1 90 JJ 082 S-010		0.93	0.80	<0.05	0.07	55	24
S1 90 JJ 082 S-011		0.84	0.70	<0.05	0.07	41	49
S1 90 JJ 082 S-012		0.33	0.72	0.08	<0.05	69	2
S1 90 JJ 082 S-013		0.33	0.52	0.08	0.06	58	4
S1 90 RR 082 S-001		0.64	0.34	0.05	0.06	29	7
S1 90 RR 082 S-002		0.33	0.06	<0.05	<0.05	14	4
S1 90 RR 082 S-003		0.39	0.08	<0.05	<0.05	25	5
S1 90 RR 082 S-004		0.31	0.25	<0.05	<0.05	32	3
S1 90 RR 082 S-005		1.03	1.59	0.11	0.07	108	17
S1 90 RR 082 S-006		0.80	0.93	0.06	0.08	59	11
S1 90 RR 082 S-007		0.62	0.38	0.07	0.07	35	7
S1 90 RR 082 S-008		0.10	0.07	<0.05	<0.05	8	17
S1 90 RR 082 S-009		0.84	0.79	<0.05	0.07	56	26
S1 90 RR 082 S-010		0.86	0.89	0.14	0.09	65	35

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A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

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PROJECT: PARADIGM PAGE 2A

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM
S1 90 RR 082 S-011		<5	0.7	32	9	154	4	25	15	<1	<5	<5
S1 90 RR 082 S-012		<5	1.4	52	25	66	4	16	5	<1	<5	38
S1 90 RR 082 S-013		<5	1.0	28	8	85	2	14	17	<1	<5	<5
S1 90 RR 082 S-014		71	1.2	18	19	41	5	26	5	<1	6	49
S1 90 RR 082 S-015		<5	1.4	20	19	90	9	31	10	<1	<5	17
S1 90 RR 082 S-016		<5	1.3	50	23	114	6	42	23	<1	6	62
S1 90 RR 082 S-017		<5	1.3	15	15	87	8	13	12	<1	5	14
S1 90 RR 082 S-018		<5	1.8	16	22	53	11	11	4	<1	5	56
S1 90 RR 082 S-019		<5	<0.2	24	7	36	2	6	3	<1	<5	8
S1 90 RR 082 S-020		<5	1.1	22	12	70	6	22	5	<1	<5	11
S1 90 RR 082 S-021		7	1.0	18	10	39	5	14	8	<1	<5	<5
S1 90 RR 082 S-022		6	1.0	19	15	51	8	9	6	<1	<5	24
S1 90 RR 082 S-023		14	1.7	27	27	66	6	22	6	<1	<5	25
S1 90 ZZ 082 S-001A		78	0.7	12	6	59	1	14	16	<1	<5	<5
S1 90 ZZ 082 S-002A		6	0.5	21	10	52	5	10	7	<1	<5	<5
S1 90 ZZ 082 S-003A		11	0.7	31	19	109	4	28	13	<1	<5	23
S1 90 ZZ 082 S-004A		13	1.7	21	12	85	12	10	5	<1	<5	<5
S1 90 ZZ 082 S-005A		<5	1.2	17	6	44	3	12	8	<1	<5	<5
S1 90 ZZ 082 S-006A		<5	2.1	18	18	67	7	32	5	<1	<5	34
S1 90 ZZ 082 S-007A		<5	0.6	16	7	79	12	9	9	<1	<5	20
S1 90 ZZ 082 S-008A		<5	0.7	19	10	61	4	15	9	<1	<5	8
S1 90 ZZ 082 S-009A		9	2.3	16	17	45	7	11	6	<1	11	30
S1 90 ZZ 082 S-010A		6	0.7	10	9	41	3	10	5	<1	<5	<5
S1 90 ZZ 082 S-011A		6	1.2	15	5	62	2	13	11	<1	<5	13
S1 90 ZZ 082 S-012A		6	1.2	19	9	43	4	8	4	<1	<5	8
S1 90 ZZ 082 S-013A		15	0.8	36	14	88	6	14	6	<1	<5	9
S1 90 ZZ 082 S-014A		9	2.7	36	6	68	8	20	49	<1	<5	8
S1 90 ZZ 082 S-015A		<5	0.6	12	3	53	1	14	13	<1	<5	6
S1 90 ZZ 082 S-001D		22	1.5	21	15	53	5	23	6	<1	<5	70
S1 90 ZZ 082 S-002D		12	1.5	22	26	61	6	34	11	1	7	254
S1 90 ZZ 082 S-003D		7	1.5	18	16	62	10	11	4	<1	<5	19
S1 90 ZZ 082 S-004D		17	2.0	18	25	51	8	11	9	<1	9	51
S1 90 ZZ 082 S-005D		12	1.4	22	18	47	6	14	7	<1	<5	18
S1 90 ZZ 082 S-006D		24	1.2	27	18	64	5	26	7	<1	<5	54
S1 90 ZZ 082 S-007D		<5	0.8	17	9	49	2	16	20	<1	<5	<5
S1 90 ZZ 082 S-008D		11	1.1	17	9	46	4	11	7	<1	<5	18
S1 90 ZZ 082 S-009D		<5	1.8	20	10	81	3	19	18	<1	<5	9
S1 90 ZZ 082 S-010D		15	1.8	13	16	46	7	8	4	<1	<5	24
S1 90 ZZ 082 S-011D		27	1.5	20	27	55	9	28	6	<1	<5	78
S1 90 ZZ 082 S-012D		<5	1.0	16	13	70	4	11	7	<1	<5	7

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PROJECT: PARADIGM

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Fe PCT	Mn PCT	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT
S1 90 RR 082 S-011		<5	7.01	0.12	<10	246	40	75	<20	<10	15	2.94
S1 90 RR 082 S-012		10	3.10	0.02	13	190	38	61	<20	<10	16	1.45
S1 90 RR 082 S-013		<5	8.87	0.14	<10	83	30	122	<20	<10	12	5.02
S1 90 RR 082 S-014		15	6.53	0.02	19	106	46	78	<20	<10	9	1.58
S1 90 RR 082 S-015		<5	>10.00	0.09	18	89	46	64	<20	14	18	1.71
S1 90 RR 082 S-016		22	8.15	0.12	30	94	51	61	<20	12	9	3.14
S1 90 RR 082 S-017		9	9.91	0.04	16	139	36	123	<20	<10	11	2.48
S1 90 RR 082 S-018		14	>10.00	0.03	28	40	31	154	<20	14	17	2.32
S1 90 RR 082 S-019		<5	0.66	<0.01	<10	82	30	99	<20	<10	17	2.50
S1 90 RR 082 S-020		<5	9.94	0.04	16	79	42	92	<20	13	13	3.39
S1 90 RR 082 S-021		<5	9.38	0.02	14	88	51	192	<20	14	13	3.24
S1 90 RR 082 S-022		8	7.04	0.01	13	213	16	111	<20	<10	4	1.45
S1 90 RR 082 S-023		6	>10.00	0.03	27	115	63	95	<20	14	7	5.99
S1 90 ZZ 082 S-001A		<5	5.37	0.04	<10	88	13	82	<20	<10	6	1.96
S1 90 ZZ 082 S-002A		5	5.52	0.02	<10	61	26	110	<20	<10	9	0.90
S1 90 ZZ 082 S-003A		<5	5.42	0.12	<10	148	34	56	<20	<10	17	2.59
S1 90 ZZ 082 S-004A		6	7.95	0.04	<10	53	25	155	<20	<10	15	0.58
S1 90 ZZ 082 S-005A		7	>10.00	0.04	13	41	36	164	<20	<10	8	2.96
S1 90 ZZ 082 S-006A		6	>10.00	0.03	26	59	84	69	<20	19	8	4.36
S1 90 ZZ 082 S-007A		<5	6.04	0.03	<10	37	23	191	<20	<10	12	0.97
S1 90 ZZ 082 S-008A		<5	8.92	0.04	<10	79	34	131	<20	<10	16	3.95
S1 90 ZZ 082 S-009A		17	7.63	0.02	21	46	25	136	<20	10	9	1.68
S1 90 ZZ 082 S-010A		<5	2.42	<0.01	<10	98	17	94	<20	<10	4	0.71
S1 90 ZZ 082 S-011A		5	3.17	0.02	<10	178	8	48	<20	<10	6	1.37
S1 90 ZZ 082 S-012A		6	>10.00	0.02	16	92	29	225	<20	<10	3	1.26
S1 90 ZZ 082 S-013A		<5	4.60	0.02	<10	57	42	94	<20	<10	21	4.06
S1 90 ZZ 082 S-014A		<5	>10.00	0.39	11	90	33	126	<20	<10	19	4.26
S1 90 ZZ 082 S-015A		<5	3.93	0.03	<10	56	10	66	<20	<10	5	1.40
S1 90 ZZ 082 S-001D		10	>10.00	0.03	17	101	42	107	<20	17	10	2.78
S1 90 ZZ 082 S-002D		15	9.55	0.10	30	86	45	55	<20	11	10	1.95
S1 90 ZZ 082 S-003D		8	>10.00	0.03	21	36	28	88	<20	11	16	3.19
S1 90 ZZ 082 S-004D		16	>10.00	0.19	30	110	45	123	<20	16	16	3.37
S1 90 ZZ 082 S-005D		8	9.83	0.04	15	67	51	93	<20	12	19	4.47
S1 90 ZZ 082 S-006D		<5	9.87	0.04	<10	84	51	65	<20	<10	15	4.51
S1 90 ZZ 082 S-007D		<5	9.36	0.06	<10	59	28	144	<20	<10	10	4.13
S1 90 ZZ 082 S-008D		<5	>10.00	0.02	13	86	29	162	<20	<10	9	2.50
S1 90 ZZ 082 S-009D		7	7.29	0.15	<10	174	29	90	<20	<10	13	4.44
S1 90 ZZ 082 S-010D		<5	>10.00	0.02	14	43	45	59	<20	13	11	4.92
S1 90 ZZ 082 S-011D		16	9.01	0.02	11	129	80	109	<20	<10	13	4.13
S1 90 ZZ 082 S-012D		<5	>10.00	0.03	17	153	48	133	<20	10	10	4.10

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SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM
S1 90 RR 082 S-011		0.61	2.28	<0.05	<0.05	96	16
S1 90 RR 082 S-012		0.29	1.09	<0.05	0.07	88	6
S1 90 RR 082 S-013		0.83	0.73	0.12	0.09	55	15
S1 90 RR 082 S-014		0.35	0.05	<0.05	0.06	10	4
S1 90 RR 082 S-015		0.50	0.40	<0.05	0.06	32	10
S1 90 RR 082 S-016		0.67	0.17	<0.05	0.06	16	14
S1 90 RR 082 S-017		0.39	0.57	0.05	0.06	46	10
S1 90 RR 082 S-018		0.11	<0.05	<0.05	<0.05	7	8
S1 90 RR 082 S-019		0.21	0.18	0.06	0.06	25	11
S1 90 RR 082 S-020		0.32	0.06	<0.05	<0.05	11	7
S1 90 RR 082 S-021		0.26	0.07	<0.05	<0.05	17	3
S1 90 RR 082 S-022		0.12	0.68	<0.05	0.05	68	4
S1 90 RR 082 S-023		0.51	<0.05	<0.05	<0.05	4	8
S1 90 ZZ 082 S-001A		1.32	1.27	0.38	0.16	115	8
S1 90 ZZ 082 S-002A		0.24	0.22	<0.05	0.07	29	3
S1 90 ZZ 082 S-003A		0.60	0.65	<0.05	0.06	38	13
S1 90 ZZ 082 S-004A		0.16	0.14	<0.05	<0.05	19	4
S1 90 ZZ 082 S-005A		0.48	0.16	<0.05	<0.05	18	5
S1 90 ZZ 082 S-006A		0.45	<0.05	<0.05	<0.05	6	5
S1 90 ZZ 082 S-007A		0.13	0.11	<0.05	<0.05	15	3
S1 90 ZZ 082 S-008A		0.66	0.36	0.07	0.06	31	12
S1 90 ZZ 082 S-009A		0.21	0.20	<0.05	<0.05	18	4
S1 90 ZZ 082 S-010A		0.17	0.30	<0.05	<0.05	53	2
S1 90 ZZ 082 S-011A		0.66	0.89	0.17	0.08	91	7
S1 90 ZZ 082 S-012A		0.23	0.36	<0.05	<0.05	33	3
S1 90 ZZ 082 S-013A		0.40	0.31	<0.05	<0.05	24	19
S1 90 ZZ 082 S-014A		0.56	0.75	0.07	<0.05	54	18
S1 90 ZZ 082 S-015A		0.90	1.02	0.21	0.10	94	7
S1 90 ZZ 082 S-001D		0.37	0.06	<0.05	<0.05	13	6
S1 90 ZZ 082 S-002D		0.56	0.08	<0.05	0.06	12	4
S1 90 ZZ 082 S-003D		0.33	0.16	<0.05	0.05	13	9
S1 90 ZZ 082 S-004D		0.16	0.09	<0.05	<0.05	11	9
S1 90 ZZ 082 S-005D		0.26	0.07	<0.05	<0.05	8	13
S1 90 ZZ 082 S-006D		0.43	<0.05	<0.05	0.05	8	9
S1 90 ZZ 082 S-007D		1.09	0.48	0.13	0.09	40	10
S1 90 ZZ 082 S-008D		0.37	0.21	<0.05	<0.05	23	6
S1 90 ZZ 082 S-009D		0.97	0.82	0.06	0.05	38	28
S1 90 ZZ 082 S-010D		0.22	0.23	0.08	0.06	26	6
S1 90 ZZ 082 S-011D		0.47	<0.05	<0.05	0.06	9	7
S1 90 ZZ 082 S-012D		0.46	0.12	<0.05	<0.05	14	6

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S1 90 ZZ 082 S-013D		6	1.7	22	11	59	7	13	6	<1	<5	24
S1 90 ZZ 082 S-015D		<5	1.4	20	5	56	3	8	6	<1	<5	13
S1 90 ZZ 082 S-016D		<5	0.9	22	7	46	1	24	8	<1	<5	18
S1 90 ZZ 082 S-017D		12	0.5	19	4	46	2	13	10	<1	5	7
S1 90 ZZ 082 S-018D		28	0.5	12	7	26	3	8	5	<1	<5	<5
S1 90 ZZ 082 S-019D		9	0.5	21	5	44	2	11	7	<1	<5	10
S1 90 P 082 S30N 2+50W		6	0.8	19	7	45	2	18	16	<1	<5	<5
S1 90 P 082 S30N 2+25W		<5	1.0	22	12	63	3	20	9	<1	<5	<5
S1 90 P 082 S30N 2+00W		8	0.9	26	11	101	3	27	21	<1	<5	<5
S1 90 P 082 S30N 1+75W		<5	1.0	20	7	62	1	16	18	<1	<5	<5
S1 90 P 082 S30N 1+50W		35	0.9	23	9	78	2	41	6	<1	<5	25
S1 90 P 082 S30N 1+25W		7	0.8	25	4	91	3	20	26	<1	<5	7
S1 90 P 082 S30N 1+00W		<5	1.7	16	14	71	7	14	5	<1	<5	<5
S1 90 P 082 S30N 0+75W		<5	1.0	23	28	145	4	28	10	<1	<5	14
S1 90 P 082 S30N 0+50W		<5	0.8	28	10	157	4	18	24	<1	<5	9
S1 90 P 082 S30N 0+25W		<5	1.0	19	18	128	4	23	28	<1	<5	38
S1 90 P 082 S30N 0+00E		<5	1.0	20	14	95	7	18	22	<1	<5	9
S1 90 P 082 S30N 0+25E		<5	1.0	16	12	51	4	13	24	<1	<5	<5
S1 90 P 082 S30N 0+50E		<5	1.1	24	18	97	6	11	24	<1	<5	30
S1 90 P 082 S30N 0+75E		<5	0.9	31	14	108	5	28	11	<1	<5	20
S1 90 P 082 S30N 1+00E		9	0.7	45	19	161	3	58	23	<1	<5	23
S1 90 P 082 S30N 1+25E		<5	1.1	28	14	76	9	12	16	<1	<5	19
S1 90 P 082 S30N 1+50E		5	1.2	23	20	99	5	15	17	<1	<5	16
S1 90 P 082 S30N 1+75E		9	0.8	39	16	119	2	39	16	<1	<5	30
S1 90 P 082 S30N 2+00E		13	1.2	25	14	77	5	19	21	<1	<5	9
S1 90 P 082 S30N 2+25E		7	0.7	34	20	149	3	43	38	<1	<5	50
S1 90 P 082 S30N 2+50E		8	0.8	36	25	139	4	45	27	<1	<5	58
S1 90 JJ 082 (PREFIX)												
S1 S28+55N 1+15W		11	3.4	25	17	123	7	16	13	<1	<5	21
S1 S28+50N 3+00W		<5	1.1	24	4	36	2	14	9	<1	<5	8
S1 S28+50N 2+75W		48	1.1	22	4	33	2	9	7	<1	<5	9
S1 S28+50N 2+50W		<5	0.8	19	7	55	1	23	27	<1	<5	7
S1 S28+50N 2+25W		<5	1.1	32	8	93	2	18	27	<1	<5	17
S1 S28+50N 2+00W		<5	1.0	21	15	79	4	10	22	<1	<5	29
S1 S28+50N 1+75W		<5	3.1	10	15	73	6	6	2	<1	<5	13
S1 S28+50N 1+50W		<5	1.6	23	12	70	7	22	6	<1	<5	23
S1 S28+50N 1+25W		<5	1.0	20	16	102	6	30	14	<1	<5	31
S1 S28+50N 1+00W		<5	1.7	23	42	180	15	11	5	<1	<5	121
S1 S28+50N 0+75W		<5	1.1	12	17	70	14	14	2	<1	<5	16
S1 S28+50N 0+50W		<5	0.9	31	15	112	4	33	16	<1	<5	23

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S1 90 ZZ 082 S-013D		<5	>10.00	0.03	22	190	54	130	<20	19	16	3.53
S1 90 ZZ 082 S-015D		<5	9.77	0.04	<10	68	30	133	<20	<10	15	4.00
S1 90 ZZ 082 S-016D		7	>10.00	0.03	<10	72	81	146	<20	<10	9	6.68
S1 90 ZZ 082 S-017D		<5	6.63	0.03	<10	65	28	116	<20	<10	15	5.63
S1 90 ZZ 082 S-018D		<5	6.52	0.02	11	86	21	131	<20	<10	7	2.21
S1 90 ZZ 082 S-019D		<5	7.08	0.02	12	50	29	158	<20	<10	12	5.55
S1 90 P 082 S30N 2+50W		7	9.17	0.07	13	48	39	116	<20	<10	19	3.77
S1 90 P 082 S30N 2+25W		5	8.93	0.04	16	63	47	106	<20	<10	18	4.41
S1 90 P 082 S30N 2+00W		10	7.34	0.19	<10	97	40	88	<20	<10	21	3.88
S1 90 P 082 S30N 1+75W		<5	7.63	0.10	<10	105	27	109	<20	<10	17	4.79
S1 90 P 082 S30N 1+50W		<5	6.30	0.02	<10	66	51	63	<20	<10	11	3.36
S1 90 P 082 S30N 1+25W		<5	8.92	0.12	11	76	33	135	<20	<10	26	5.48
S1 90 P 082 S30N 1+00W		7	>10.00	0.05	18	21	40	75	<20	<10	30	3.85
S1 90 P 082 S30N 0+75W		<5	6.71	0.12	<10	125	36	69	<20	<10	19	3.19
S1 90 P 082 S30N 0+50W		8	7.56	0.38	11	97	31	113	<20	<10	27	5.26
S1 90 P 082 S30N 0+25W		<5	8.48	0.17	<10	84	36	96	<20	10	20	4.32
S1 90 P 082 S30N 0+00E		5	>10.00	0.23	17	67	47	123	<20	<10	19	4.02
S1 90 P 082 S30N 0+25E		<5	9.56	0.14	13	42	38	122	<20	11	13	3.69
S1 90 P 082 S30N 0+50E		7	9.83	0.17	14	48	24	60	<20	11	21	4.09
S1 90 P 082 S30N 0+75E		<5	8.82	0.06	12	59	45	90	<20	<10	21	4.42
S1 90 P 082 S30N 1+00E		<5	7.68	0.17	12	114	50	50	<20	<10	22	2.77
S1 90 P 082 S30N 1+25E		7	9.67	0.19	16	57	31	96	<20	<10	17	3.94
S1 90 P 082 S30N 1+50E		7	8.62	0.19	15	40	31	73	<20	<10	21	4.70
S1 90 P 082 S30N 1+75E		<5	7.74	0.10	12	146	37	69	<20	<10	15	3.23
S1 90 P 082 S30N 2+00E		<5	8.61	0.27	11	222	38	103	<20	<10	45	4.21
S1 90 P 082 S30N 2+25E		5	6.66	0.21	<10	85	43	41	<20	<10	17	3.76
S1 90 P 082 S30N 2+50E		10	7.89	0.17	<10	100	42	59	<20	<10	13	3.45
S1 90 JJ 082 (PREFIX)												
S1 S28+55N 1+15W		<5	9.70	0.14	12	48	31	86	<20	10	23	4.76
S1 S28+50N 3+00W		<5	8.71	0.04	12	31	51	94	<20	<10	25	4.92
S1 S28+50N 2+75W		<5	7.47	0.02	13	44	32	105	<20	12	16	3.12
S1 S28+50N 2+50W		<5	5.58	0.31	<10	154	42	83	<20	<10	19	2.42
S1 S28+50N 2+25W		<5	9.36	0.21	12	102	37	102	<20	<10	16	3.52
S1 S28+50N 2+00W		<5	7.36	0.30	12	87	29	108	<20	<10	22	3.71
S1 S28+50N 1+75W		<5	9.56	0.04	11	14	25	55	<20	<10	39	5.19
S1 S28+50N 1+50W		6	>10.00	0.05	20	33	43	111	<20	15	19	3.54
S1 S28+50N 1+25W		6	8.38	0.08	15	50	38	46	<20	<10	22	4.35
S1 S28+50N 1+00W		8	5.65	0.16	10	95	5	4	<20	<10	41	0.70
S1 S28+50N 0+75W		7	>10.00	0.05	12	171	41	117	<20	<10	22	3.69
S1 S28+50N 0+50W		8	8.11	0.14	13	48	42	83	<20	<10	13	3.36

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130 Pemberton Ave.
North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

DATE PRINTED: 29-AUG-90

REPORT: V90-01764.0

PROJECT: PARADIGM PAGE 3C

SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM
S1 90 ZZ 082 S-013D		0.30	0.15	<0.05	<0.05	16	10
S1 90 ZZ 082 S-015D		0.27	0.15	<0.05	<0.05	18	7
S1 90 ZZ 082 S-016D		0.65	<0.05	<0.05	<0.05	9	7
S1 90 ZZ 082 S-017D		0.93	0.45	0.13	0.10	39	12
S1 90 ZZ 082 S-018D		0.27	0.17	<0.05	<0.05	23	4
S1 90 ZZ 082 S-019D		0.47	0.21	<0.05	<0.05	20	9
S1 90 P 082 S30N 2+50W		0.87	0.35	0.08	0.07	27	13
S1 90 P 082 S30N 2+25W		0.62	0.07	<0.05	0.11	6	17
S1 90 P 082 S30N 2+00W		0.99	0.11	<0.05	0.16	10	16
S1 90 P 082 S30N 1+75W		0.71	0.25	0.05	0.11	21	11
S1 90 P 082 S30N 1+50W		0.70	0.09	<0.05	0.07	9	5
S1 90 P 082 S30N 1+25W		0.83	0.63	0.15	0.09	55	22
S1 90 P 082 S30N 1+00W		0.25	0.07	<0.05	0.06	5	17
S1 90 P 082 S30N 0+75W		0.55	0.27	0.05	0.13	25	15
S1 90 P 082 S30N 0+50W		0.93	0.40	0.08	0.09	34	30
S1 90 P 082 S30N 0+25W		0.66	0.07	<0.05	0.10	8	19
S1 90 P 082 S30N 0+00E		0.41	0.08	<0.05	0.07	9	15
S1 90 P 082 S30N 0+25E		0.32	0.14	<0.05	<0.05	15	10
S1 90 P 082 S30N 0+50E		0.26	0.18	0.08	0.08	17	16
S1 90 P 082 S30N 0+75E		0.60	0.18	0.08	0.09	17	19
S1 90 P 082 S30N 1+00E		1.06	<0.05	<0.05	0.11	5	20
S1 90 P 082 S30N 1+25E		0.35	0.15	<0.05	0.06	14	15
S1 90 P 082 S30N 1+50E		0.35	0.11	<0.05	0.06	9	20
S1 90 P 082 S30N 1+75E		0.92	0.51	0.09	0.11	47	18
S1 90 P 082 S30N 2+00E		0.59	0.38	0.06	0.08	30	37
S1 90 P 082 S30N 2+25E		0.67	<0.05	<0.05	0.09	5	16
S1 90 P 082 S30N 2+50E		0.70	<0.05	<0.05	0.08	6	11
S1 90 JJ 082 (PREFIX)							
S1 S28+55N 1+15W		0.40	0.17	0.09	0.09	16	20
S1 S28+50N 3+00W		0.35	0.14	<0.05	<0.05	9	19
S1 S28+50N 2+75W		0.42	0.05	<0.05	0.07	5	8
S1 S28+50N 2+50W		0.86	0.47	<0.05	0.09	23	11
S1 S28+50N 2+25W		0.75	0.39	<0.05	0.09	16	17
S1 S28+50N 2+00W		0.60	0.14	<0.05	0.13	12	19
S1 S28+50N 1+75W		0.10	0.05	0.10	0.08	3	24
S1 S28+50N 1+50W		0.39	0.06	<0.05	<0.05	6	10
S1 S28+50N 1+25W		0.43	0.05	<0.05	0.07	5	13
S1 S28+50N 1+00W		0.11	<0.05	<0.05	0.12	2	29
S1 S28+50N 0+75W		0.19	0.71	<0.05	0.05	45	16
S1 S28+50N 0+50W		0.75	0.12	0.05	0.09	13	11

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

DATE PRINTED: 29-AUG-90

REPORT: V90-01704.0

PROJECT: PARADIGM

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM
S1 S28+50N 0+25W		<5	0.8	26	15	96	4	24	11	<1	<5	10
S1 S28+50N 0+00E		<5	0.9	22	11	88	6	11	6	<1	<5	11
S1 S28+50N 0+25E		<5	0.7	21	14	83	5	22	8	<1	<5	14
S1 S28+50N 0+50E		<5	1.0	27	18	129	6	19	6	<1	<5	21
S1 S28+50N 0+75E		<5	1.2	22	13	79	7	12	12	<1	<5	10
S1 S28+50N 1+00E		<5	1.1	27	6	75	4	12	26	<1	<5	<5
S1 S28+50N 1+25E		<5	0.9	72	25	112	2	23	26	<1	<5	17
S1 S28+50N 1+50E		<5	1.0	20	12	135	5	12	21	<1	<5	<5
S1 S28+50N 1+75E		12	1.1	31	28	111	5	22	18	<1	<5	30
S1 S28+50N 2+00E		11	1.0	34	16	206	3	18	12	<1	<5	<5
S1 90 EB 082 S27N 2+50W		<5	1.1	16	10	41	4	11	5	<1	<5	<5
S1 90 EB 082 S27N 2+25W		<5	1.3	19	8	63	4	13	6	<1	<5	6
S1 90 EB 082 L27N 2+00W		<5	1.0	27	18	326	7	54	21	10	<5	32
S1 90 EB 082 S27N 2+00W		17	2.3	15	14	74	5	26	4	<1	<5	37
S1 90 EB 082 S27N 1+75W		<5	1.7	19	10	71	5	15	3	<1	<5	9
S1 90 EB 082 S27N 1+50W		<5	1.0	17	12	138	6	15	5	<1	<5	<5
S1 90 EB 082 S27N 1+25W		<5	1.2	25	12	94	5	17	22	<1	<5	7
S1 90 EB 082 S27N 1+00W		<5	1.1	17	14	68	7	9	4	<1	<5	<5
S1 90 EB 082 S27N 0+75W		9	1.3	40	22	94	2	14	18	<1	<5	34
S1 90 EB 082 S27N 0+50W		<5	1.0	15	6	54	5	8	5	<1	<5	6
S1 90 EB 082 S27N 0+25W		6	1.2	22	11	58	7	9	6	<1	<5	<5
S1 90 P 082 (PREFIX)												
S1 S27N 0+00E-A		<5	0.9	17	14	101	9	5	4	<1	<5	26
S1 S27N 0+00E-B		<5	1.5	25	11	72	12	11	6	<1	<5	22
S1 90 P 082 S27N 0+50E		<5	0.9	23	15	110	4	39	16	<1	<5	26
S1 90 P 082 S27N 0+75E		12	1.0	54	18	110	2	21	25	<1	<5	22
S1 90 P 082 S27N 1+00E		<5	0.9	24	13	81	3	20	14	<1	<5	20
S1 90 P 082 S27N 1+50E		6	0.9	29	17	129	3	42	16	<1	<5	35
S1 90 P 082 S27N 1+75E		<5	1.7	31	30	142	4	18	19	<1	<5	34
S1 90 P 082 S27N 2+00E		17	1.5	62	79	208	3	74	45	<1	<5	120
S1 90 P 082 S27N 2+25E		<5	1.8	64	27	129	3	183	47	<1	<5	165
S1 90 P 082 S27N 2+50E		7	1.1	37	15	105	3	36	13	<1	<5	103
S1 90 JJ 082 (PREFIX)												
S1 S25+50N 3+00W		<5	2.8	19	24	107	9	12	12	<1	<5	27
S1 S25+50N 2+75W		16	1.7	20	36	98	9	7	5	<1	<5	53
S1 S25+50N 2+50W		<5	0.9	21	20	260	4	45	9	<1	<5	24
S1 S25+50N 2+25W		<5	0.6	10	37	68	4	12	9	<1	<5	6
S1 S25+50N 2+00W		<5	0.6	24	6	54	3	12	8	<1	6	10
S1 S25+50N 1+75W		<5	0.8	21	11	141	6	16	13	<1	<5	<5
S1 S25+50N 1+50W		<5	0.8	25	14	121	5	16	13	<1	<5	15

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: V90-01704.0

DATE PRINTED: 29-AUG-90

PROJECT: PARADIGM

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Fe PCT	Mn PCT	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT
S1 S28+50N 0+25W		<5	8.26	0.06	<10	48	39	94	<20	<10	14	3.59
S1 S28+50N 0+00E		<5	9.30	0.04	14	30	27	88	<20	<10	23	5.14
S1 S28+50N 0+25E		8	7.64	0.05	<10	45	39	85	<20	<10	36	4.82
S1 S28+50N 0+50E		<5	8.04	0.07	<10	34	26	36	<20	<10	20	3.05
S1 S28+50N 0+75E		6	>10.00	0.06	17	27	42	123	<20	<10	21	5.77
S1 S28+50N 1+00E		<5	9.90	0.09	10	43	35	141	<20	<10	25	5.40
S1 S28+50N 1+25E		7	7.38	0.26	12	257	12	32	<20	<10	3	2.11
S1 S28+50N 1+50E		<5	>10.00	0.30	10	44	28	83	<20	<10	33	5.64
S1 S28+50N 1+75E		8	8.73	0.20	10	77	34	89	<20	<10	16	3.45
S1 S28+50N 2+00E		5	8.62	0.08	12	93	32	91	<20	<10	38	4.59
S1 90 EB 082 S27N 2+50W		<5	7.28	0.01	<10	47	28	133	<20	<10	7	1.68
S1 90 EB 082 S27N 2+25W		<5	8.43	0.04	12	42	44	139	<20	<10	10	4.00
S1 90 EB 082 S27N 2+00W		9	5.26	0.18	<10	186	19	57	<20	<10	12	1.82
S1 90 EB 082 S27N 2+00W		<5	5.14	0.01	<10	55	39	56	<20	<10	13	2.74
S1 90 EB 082 S27N 1+75W		9	7.30	0.02	<10	32	34	75	<20	<10	13	3.79
S1 90 EB 082 S27N 1+50W		<5	4.45	0.05	<10	129	15	45	<20	<10	8	1.72
S1 90 EB 082 S27N 1+25W		<5	7.99	0.23	<10	63	34	115	<20	<10	12	3.32
S1 90 EB 082 S27N 1+00W		<5	>10.00	0.03	11	28	36	95	<20	11	22	3.11
S1 90 EB 082 S27N 0+75W		7	>10.00	0.19	23	81	24	52	<20	11	7	3.72
S1 90 EB 082 S27N 0+50W		<5	9.89	0.04	13	26	29	92	<20	<10	20	4.16
S1 90 EB 082 S27N 0+25W		<5	>10.00	0.03	17	27	33	121	<20	<10	14	4.02
S1 90 P 082 (PREFIX)												
S1 S27N 0+00E-A		<5	8.66	0.09	12	15	15	29	<20	<10	22	2.91
S1 S27N 0+00E-B		<5	>10.00	0.07	19	18	48	156	<20	14	24	3.98
S1 90 P 082 S27N 0+50E		7	7.51	0.10	11	54	39	49	<20	<10	18	3.58
S1 90 P 082 S27N 0+75E		7	8.66	0.14	12	167	27	90	<20	<10	10	3.77
S1 90 P 082 S27N 1+00E		<5	8.32	0.08	<10	66	30	73	<20	<10	15	3.89
S1 90 P 082 S27N 1+50E		8	8.26	0.08	12	54	47	71	<20	<10	24	3.73
S1 90 P 082 S27N 1+75E		6	>10.00	0.27	18	177	53	230	<20	14	18	3.60
S1 90 P 082 S27N 2+00E		12	>10.00	0.26	18	88	173	98	<20	12	14	2.70
S1 90 P 082 S27N 2+25E		9	>10.00	0.22	20	89	567	139	<20	11	25	3.85
S1 90 P 082 S27N 2+50E		12	8.16	0.05	10	76	65	58	<20	<10	9	2.78
S1 90 JJ 082 (PREFIX)												
S1 S25+50N 3+00W		10	8.21	0.10	10	68	27	82	<20	<10	25	3.29
S1 S25+50N 2+75W		17	4.44	0.05	<10	131	13	32	<20	<10	11	1.80
S1 S25+50N 2+50W		7	9.30	0.06	12	73	53	71	<20	<10	23	4.61
S1 S25+50N 2+25W		<5	6.69	0.03	<10	86	17	95	<20	<10	10	1.96
S1 S25+50N 2+00W		9	8.56	0.02	10	54	26	134	<20	<10	11	5.66
S1 S25+50N 1+75W		6	8.60	0.08	<10	62	33	117	<20	<10	11	3.48
S1 S25+50N 1+50W		<5	6.67	0.10	<10	127	27	100	<20	<10	11	3.58

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Geochemical Lab Report

REPORT: V90-01704.0

DATE PRINTED: 29-AUG-90

PROJECT: PARADIGM PAGE 4C

SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM
S1 S28+50N 0+25W		0.72	0.27	0.10	0.10	25	13
S1 S28+50N 0+00E		0.33	0.18	0.10	0.08	16	18
S1 S28+50N 0+25E		0.42	0.07	<0.05	0.07	6	26
S1 S28+50N 0+50E		0.31	0.06	0.12	0.12	3	15
S1 S28+50N 0+75E		0.31	0.09	<0.05	<0.05	7	15
S1 S28+50N 1+00E		0.54	0.28	0.08	0.06	24	23
S1 S28+50N 1+25E		0.51	0.44	<0.05	0.11	35	14
S1 S28+50N 1+50E		0.25	0.11	0.06	0.07	10	26
S1 S28+50N 1+75E		0.61	0.28	0.10	0.09	27	18
S1 S28+50N 2+00E		0.50	0.37	0.06	0.06	28	35
S1 90 EB 082 S27N 2+50W		0.21	0.07	<0.05	<0.05	11	3
S1 90 EB 082 S27N 2+25W		0.32	0.13	<0.05	<0.05	12	6
S1 90 EB 082 S27N 2+00W		1.19	1.33	0.28	0.17	109	13
S1 90 EB 082 S27N 2+00W		0.50	0.08	<0.05	0.08	9	7
S1 90 EB 082 S27N 1+75W		0.29	0.07	<0.05	0.06	7	8
S1 90 EB 082 S27N 1+50W		0.13	<0.05	<0.05	0.11	6	9
S1 90 EB 082 S27N 1+25W		0.51	0.20	0.06	0.13	20	9
S1 90 EB 082 S27N 1+00W		0.31	0.15	0.08	0.09	13	18
S1 90 EB 082 S27N 0+75W		0.40	0.06	<0.05	0.06	7	8
S1 90 EB 082 S27N 0+50W		0.27	0.19	0.06	0.05	16	12
S1 90 EB 082 S27N 0+25W		0.42	0.31	0.11	0.09	27	13
S1 90 P 082 (PREFIX)							
S1 S27N 0+00E-A		0.12	0.10	0.18	0.13	5	15
S1 S27N 0+00E-B		0.21	<0.05	0.06	0.07	3	17
S1 90 P 082 S27N 0+50E		0.68	0.09	<0.05	0.06	6	10
S1 90 P 082 S27N 0+75E		0.78	0.53	0.13	0.12	50	15
S1 90 P 082 S27N 1+00E		0.45	0.14	0.05	0.06	14	11
S1 90 P 082 S27N 1+50E		0.57	0.06	<0.05	0.08	7	16
S1 90 P 082 S27N 1+75E		0.24	0.06	<0.05	0.09	7	17
S1 90 P 082 S27N 2+00E		0.45	0.16	<0.05	0.09	15	15
S1 90 P 082 S27N 2+25E		1.20	0.12	<0.05	0.05	15	32
S1 90 P 082 S27N 2+50E		0.53	<0.05	<0.05	0.09	5	7
S1 90 JJ 082 (PREFIX)							
S1 S25+50N 3+00W		0.25	0.11	<0.05	0.11	13	19
S1 S25+50N 2+75W		0.11	<0.05	<0.05	0.20	30	6
S1 S25+50N 2+50W		0.56	0.08	<0.05	0.07	8	19
S1 S25+50N 2+25W		0.59	0.57	0.17	0.10	59	6
S1 S25+50N 2+00W		0.78	0.53	0.15	0.11	44	13
S1 S25+50N 1+75W		0.56	0.21	0.05	0.09	19	10
S1 S25+50N 1+50W		0.70	0.23	<0.05	0.10	18	10

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130 Pemberton Ave.
North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

DATE PRINTED: 29-AUG-90

REPORT: V90-01704.0

PROJECT: PARADIGM

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM
S1 S25+50N 1+00W		<5	0.8	15	8	49	4	12	6	<1	<5	18
S1 S25+50N 0+75W		<5	0.9	25	11	85	2	31	10	<1	<5	14
S1 S25+50N 0+50W		<5	0.9	20	13	91	4	13	12	<1	<5	<5
S1 S25+50N 0+25W		<5	0.8	24	14	75	5	14	8	<1	<5	<5
S1 S25+50N 0+00E		<5	0.6	13	13	95	6	13	3	<1	<5	21
S1 S25+50N 0+25E		<5	0.7	21	13	58	3	11	6	<1	<5	8
S1 S25+50N 0+50E		<5	0.9	15	13	89	5	28	10	<1	<5	15
S1 S25+50N 0+75E		<5	0.7	11	17	78	7	8	5	<1	<5	19
S1 S25+50N 1+00E		<5	0.6	21	15	89	5	19	10	<1	<5	11
S1 S25+50N 1+25E		<5	0.8	23	12	64	3	23	11	<1	<5	15
S1 S25+50N 1+50E		<5	0.5	23	11	100	3	25	12	<1	<5	11
S1 S25+50N 1+75E		8	0.9	29	16	54	1	11	10	<1	<5	33
S1 S25+50N 2+00E		21	0.8	21	14	75	4	30	6	<1	<5	30
S1 90 X 082 (PREFIX)												
S1 S22+50N 3+25W		<5	1.1	29	16	93	3	20	26	<1	<5	95
S1 S22+50N 3+00W		17	1.3	35	23	96	9	21	21	<1	<5	66
S1 S22+50N 2+75W		<5	2.0	15	19	54	6	10	3	<1	<5	9
S1 S22+50N 2+50W		<5	1.1	21	8	73	5	17	13	<1	<5	6
S1 S22+50N 2+25W		<5	0.8	20	9	70	3	16	10	<1	<5	10
S1 S22+50N 2+00W		<5	0.8	24	16	96	6	13	15	<1	<5	10
S1 S22+50N 1+75W		16	0.7	19	12	82	3	14	13	<1	<5	11
S1 S22+50N 1+50W		<5	1.4	15	17	52	5	6	2	<1	<5	18
S1 S22+50N 1+25W		<5	0.8	19	10	63	3	13	11	<1	<5	16
S1 S22+50N 1+00W		<5	0.6	34	12	88	3	18	22	<1	<5	<5
S1 S22+50N 0+50W		9	0.5	47	16	105	2	26	12	<1	<5	12
S1 S22+50N 0+25W		11	0.3	48	24	134	3	22	16	<1	<5	24
S1 S22+50N 0+00E		<5	1.8	16	13	71	5	10	9	<1	<5	8
S1 S22+50N 0+25E		23	0.6	39	29	121	4	22	22	<1	<5	38
S1 S22+50N 0+50E		10	0.6	25	16	103	4	14	10	<1	<5	15
S1 S22+50N 0+75E		18	1.3	54	35	81	5	24	31	<1	<5	126
S1 S22+50N 1+00E		6	0.8	25	18	175	4	32	11	<1	<5	8
S1 S22+50N 1+25E		<5	0.5	30	11	82	3	15	23	<1	<5	<5
S1 S22+50N 1+50E		9	1.6	58	17	119	3	137	31	<1	<5	203
S1 S22+50N 1+75E		12	1.2	43	18	113	2	56	29	<1	<5	98
S1 S22+50N 2+00E		<5	1.1	27	19	96	5	16	28	<1	<5	32
S1 90 EB 082 S21N 3+00W		<5	0.8	22	5	52	2	12	11	<1	<5	<5
S1 90 EB 082 S21N 2+75W		<5	0.8	18	9	78	4	13	16	<1	<5	14
S1 90 EB 082 S21N 2+50W		<5	1.3	20	16	106	7	10	10	<1	<5	17
S1 90 EB 082 S21N 2+25W		<5	2.7	24	8	73	3	14	19	<1	<5	29
S1 90 EB 082 S21N 2+00W		8	7.6	21	38	161	6	30	11	1	<5	564

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Geochemical Lab Report

REPORT: V90-01704.0

DATE PRINTED: 29-AUG-90

PROJECT: PARADIGM

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Fe PCT	Mn PCT	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT
S1 S25+50N 1+00W		7	8.39	0.04	<10	41	31	103	<20	<10	14	3.94
S1 S25+50N 0+75W		<5	5.93	0.06	<10	127	37	71	<20	<10	9	3.13
S1 S25+50N 0+50W		<5	8.85	0.11	12	33	32	77	<20	<10	26	5.46
S1 S25+50N 0+25W		7	>10.00	0.04	<10	20	41	118	<20	<10	15	5.03
S1 S25+50N 0+00E		7	6.55	0.03	<10	52	23	28	<20	<10	40	3.97
S1 S25+50N 0+25E		<5	7.83	0.04	<10	38	35	116	<20	<10	18	3.86
S1 S25+50N 0+50E		11	8.91	0.07	12	44	39	74	<20	<10	25	3.97
S1 S25+50N 0+75E		<5	7.05	0.07	<10	61	20	23	<20	<10	31	4.79
S1 S25+50N 1+00E		7	7.58	0.10	11	44	28	74	<20	<10	17	3.38
S1 S25+50N 1+25E		14	9.95	0.09	<10	47	42	126	<20	<10	15	4.08
S1 S25+50N 1+50E		7	6.13	0.14	<10	141	30	76	<20	<10	12	3.52
S1 S25+50N 1+75E		8	7.22	0.04	12	119	23	73	<20	<10	7	2.98
S1 S25+50N 2+00E		9	9.27	0.04	12	50	43	71	<20	<10	13	2.40
S1 90 X 082 (PREFIX)												
S1 S22+50N 3+25W		13	9.15	0.30	<10	114	25	103	<20	<10	14	3.72
S1 S22+50N 3+00W		12	9.65	0.12	<10	53	40	66	<20	<10	19	2.68
S1 S22+50N 2+75W		<5	>10.00	0.02	11	34	40	141	<20	<10	18	3.04
S1 S22+50N 2+50W		9	9.84	0.08	14	38	34	120	<20	10	10	3.18
S1 S22+50N 2+25W		8	9.19	0.05	10	59	38	133	<20	<10	8	3.80
S1 S22+50N 2+00W		<5	>10.00	0.17	14	44	44	107	<20	<10	24	4.29
S1 S22+50N 1+75W		<5	6.54	0.09	<10	87	35	95	<20	<10	13	3.97
S1 S22+50N 1+50W		<5	>10.00	0.03	14	24	34	130	<20	12	20	3.83
S1 S22+50N 1+25W		7	8.49	0.05	<10	49	30	110	<20	<10	15	4.65
S1 S22+50N 1+00W		<5	8.49	0.20	11	47	35	105	<20	<10	24	4.60
S1 S22+50N 0+50W		8	4.92	0.08	<10	173	25	36	<20	<10	10	1.92
S1 S22+50N 0+25W		10	5.95	0.11	<10	157	20	36	<20	<10	11	1.76
S1 S22+50N 0+00E		9	9.57	0.06	12	31	34	94	<20	<10	22	4.43
S1 S22+50N 0+25E		10	7.59	0.21	<10	74	25	56	<20	<10	17	2.48
S1 S22+50N 0+50E		11	8.55	0.06	<10	41	31	95	<20	<10	26	4.37
S1 S22+50N 0+75E		18	>10.00	0.30	22	45	26	48	<20	16	13	2.19
S1 S22+50N 1+00E		10	6.60	0.27	<10	103	22	18	<20	<10	32	4.19
S1 S22+50N 1+25E		12	8.39	0.17	11	58	30	117	<20	<10	8	4.63
S1 S22+50N 1+50E		20	>10.00	0.11	18	82	154	83	<20	<10	5	2.74
S1 S22+50N 1+75E		14	8.78	0.26	10	90	126	99	<20	<10	10	3.00
S1 S22+50N 2+00E		8	9.20	0.20	12	38	41	80	<20	<10	20	4.46
S1 90 EB 082 S21N 3+00W		5	9.38	0.04	<10	60	29	143	<20	<10	8	4.18
S1 90 EB 082 S21N 2+75W		6	9.20	0.13	13	68	37	118	<20	<10	11	3.73
S1 90 EB 082 S21N 2+50W		8	7.80	0.08	10	46	31	83	<20	<10	30	3.38
S1 90 EB 082 S21N 2+25W		9	8.46	0.08	<10	70	29	126	<20	<10	14	4.89
S1 90 EB 082 S21N 2+00W		15	4.72	0.06	<10	187	24	42	<20	<10	13	1.64

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V7P 2R5
(604) 985-0681 Telex 04-352667

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Geochemical Lab Report

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PROJECT: PARADIGM

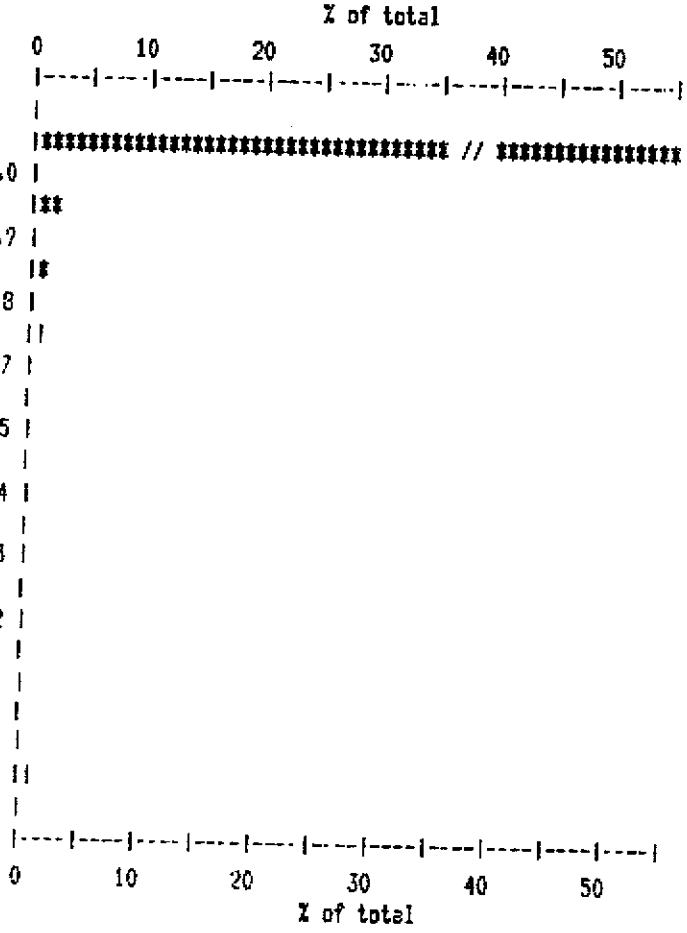
SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM
S1 S25+50N 1+00W		0.49	0.18	0.06	<0.05	15	9
S1 S25+50N 0+75W		0.74	0.14	<0.05	0.09	11	6
S1 S25+50N 0+50W		0.36	0.09	0.06	0.07	7	19
S1 S25+50N 0+25W		0.53	0.15	0.08	0.07	7	15
S1 S25+50N 0+00E		0.15	0.06	0.07	0.09	3	19
S1 S25+50N 0+25E		0.41	0.16	0.05	0.06	16	14
S1 S25+50N 0+50E		0.65	0.07	<0.05	<0.05	5	17
S1 S25+50N 0+75E		0.14	0.07	0.07	0.09	4	16
S1 S25+50N 1+00E		0.62	0.22	0.11	0.10	19	11
S1 S25+50N 1+25E		0.58	0.13	<0.05	0.05	13	11
S1 S25+50N 1+50E		0.66	0.17	<0.05	0.09	20	10
S1 S25+50N 1+75E		0.28	0.14	<0.05	0.07	16	7
S1 S25+50N 2+00E		0.55	0.06	<0.05	0.07	7	6
S1 90 X 082 (PREFIX)							
S1 S22+50N 3+25W		1.12	0.78	0.15	0.11	55	11
S1 S22+50N 3+00W		0.44	<0.05	<0.05	0.11	4	9
S1 S22+50N 2+75W		0.22	0.06	<0.05	0.05	7	8
S1 S22+50N 2+50W		0.63	0.17	0.05	0.09	16	9
S1 S22+50N 2+25W		0.68	0.21	0.05	0.05	20	5
S1 S22+50N 2+00W		0.29	0.06	<0.05	0.07	6	20
S1 S22+50N 1+75W		0.51	0.11	<0.05	0.08	11	10
S1 S22+50N 1+50W		0.11	<0.05	<0.05	<0.05	5	13
S1 S22+50N 1+25W		0.60	0.24	0.07	0.05	21	11
S1 S22+50N 1+00W		0.64	0.25	0.08	0.08	22	26
S1 S22+50N 0+50W		0.55	0.32	<0.05	0.10	30	13
S1 S22+50N 0+25W		0.47	0.36	<0.05	0.11	33	16
S1 S22+50N 0+00E		0.21	0.10	<0.05	<0.05	9	16
S1 S22+50N 0+25E		0.49	0.09	<0.05	0.10	9	19
S1 S22+50N 0+50E		0.42	0.22	0.11	0.09	22	22
S1 S22+50N 0+75E		0.12	<0.05	<0.05	0.07	4	8
S1 S22+50N 1+00E		0.27	0.08	0.08	0.10	7	30
S1 S22+50N 1+25E		0.80	0.34	0.10	0.08	30	12
S1 S22+50N 1+50E		0.42	0.07	<0.05	0.07	10	5
S1 S22+50N 1+75E		0.42	0.14	<0.05	0.09	14	12
S1 S22+50N 2+00E		0.26	0.07	<0.05	0.05	7	16
S1 90 EB 082 S21N 3+00W		0.98	0.76	0.28	0.16	71	8
S1 90 EB 082 S21N 2+75W		0.62	0.16	<0.05	0.11	14	10
S1 90 EB 082 S21N 2+50W		0.32	0.10	<0.05	0.09	9	17
S1 90 EB 082 S21N 2+25W		0.65	0.30	0.08	0.08	27	10
S1 90 EB 082 S21N 2+00W		0.66	0.31	<0.05	0.16	32	12

APPENDIX VII

Stream Silt and Soil Sample Histograms and Summary Statistics
(Au, Ag, As, Cu, Pb, Zn, Sb, Hg)

PROJECTS 044 & 082 (SOILS)
KEEWATIN ENGINEERING INC.

Histogram for Gold 30 grams (AU_30G) Values in PPB



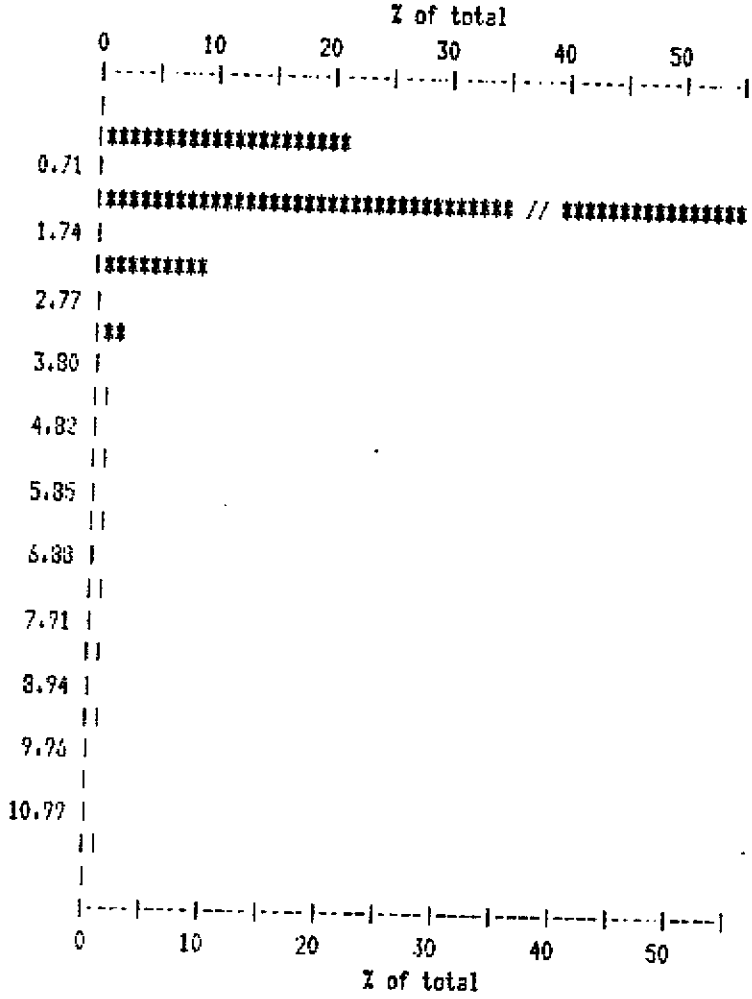
	in interval #	in interval %
26.0	521	97.2
63.9	10	1.9
101.8	3	0.6
139.7	1	0.2
177.5	0	0.0
215.4	0	0.0
253.3	0	0.0
291.2	0	0.0
329.1	0	0.0
367.0	0	0.0
	1	0.2

Summary Statistics

Number of samples	536	Mean value	7.1
Number of intervals	11	Standard Deviation	18.94
Minimum value	2.5	Coeff. of variation	2.680
Maximum value	393	Skewness	16.35
Median value	2.5	Kurtosis	320.487
Modal Range	less than 26.0		
Values in modal range	521 (97.2 % of total)		

PROJECTS 044 & 082 (SOILS)
KEEWATIN ENGINEERING INC.

Histogram for Silver (AG) Values in PPM



	in interval #	%
0.71	115	21.5
1.74	351	65.5
2.77	50	9.3
3.80	10	1.9
4.82	2	0.4
5.85	2	0.4
6.88	1	0.2
7.91	1	0.2
8.94	2	0.4
9.96	1	0.2
10.99	0	0.0
	1	0.2

Summary Statistics

Number of samples	536	Mean value	1.23
Number of intervals	12	Standard Deviation	1.028
Minimum value	0.1	Coeff. of variation	0.838
Maximum value	11.0	Skewness	5.108
Median value	1.02	Kurtosis	35.3645
Modal Range	greater than 0.71 to less than 1.74		
Values in modal range	351 (65.5 % of total)		

PROJECTS 044 & 082 (SOILS)
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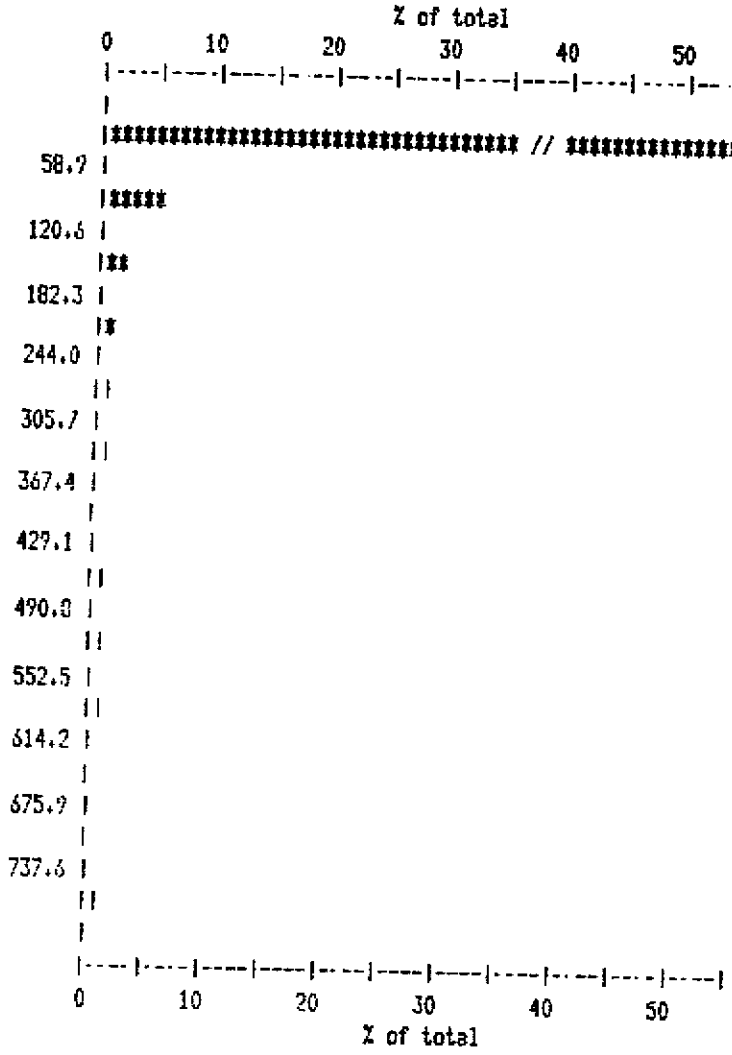
Histogram for Arsenic (AS) Values in PPM



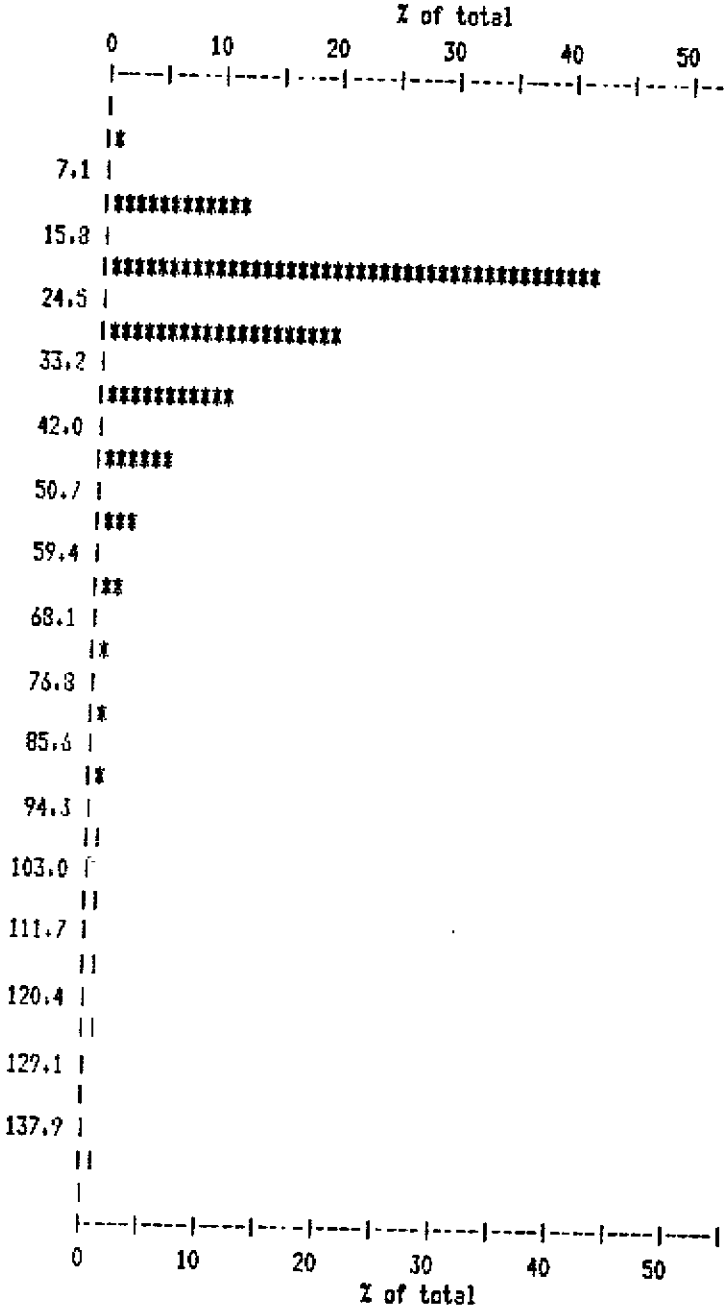
	in interval #	%
58.9	484	90.3
120.6	28	5.2
182.3	11	2.1
244.0	7	1.3
305.7	1	0.2
367.4	1	0.2
429.1	0	0.0
490.8	1	0.2
552.5	1	0.2
614.2	1	0.2
675.9	0	0.0
737.6	0	0.0
	1	0.2

Summary Statistics

Number of samples	536	Mean value	28.1
Number of intervals	13	Standard Deviation	61.70
Minimum value	2.5	Coeff. of variation	2.199
Maximum value	742	Skewness	6.71
Median value	12.7	Kurtosis	57.096
Modal Range	less than 58.9		
Values in modal range	484 (90.3 % of total)		

PROJECTS 044 & 082 (SOILS)
KEEWATIN ENGINEERING INC.

Histogram for Copper (CU) Values in PPM



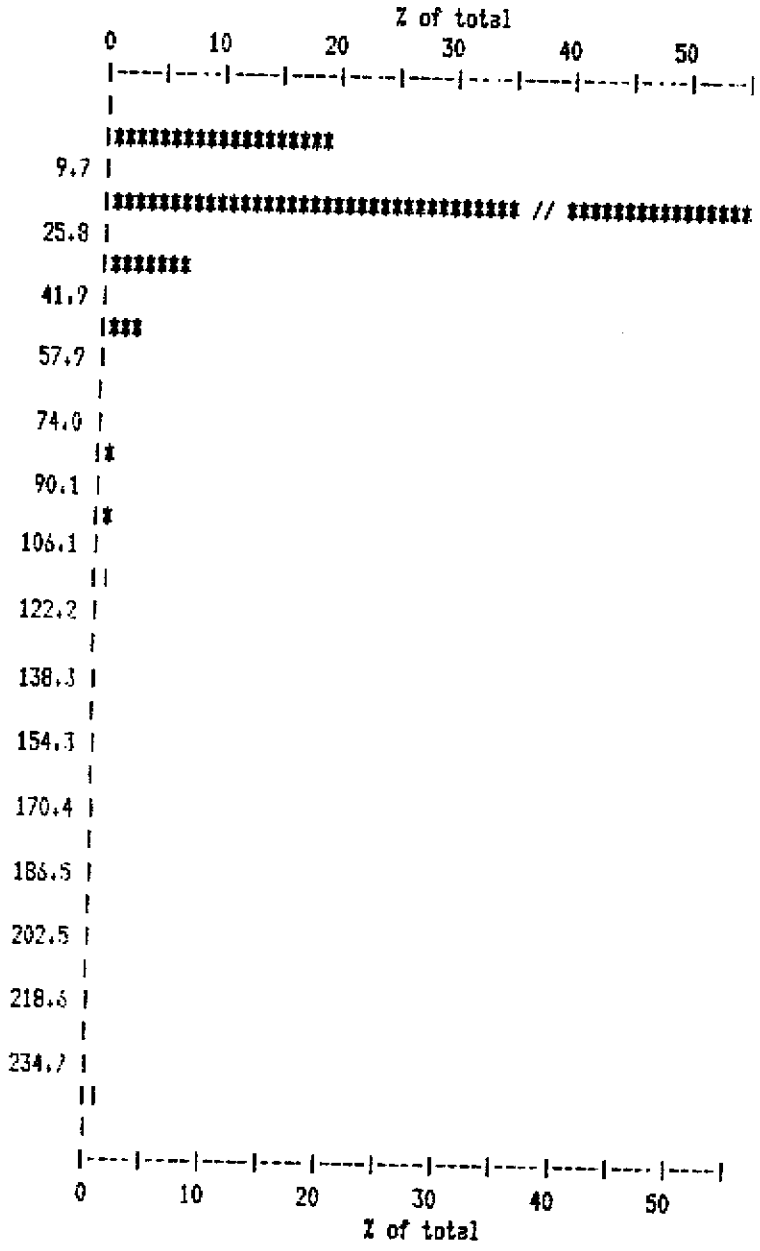
in interval #	%
4	0.7
63	11.8
225	42.0
108	20.1
58	10.8
30	5.6
15	2.8
9	1.7
8	1.5
7	1.3
3	0.6
2	0.4
1	0.2
1	0.2
1	0.2
0	0.0
1	0.2

Summary Statistics

Number of samples	536	Mean value	28.9
Number of intervals	17	Standard Deviation	17.44
Minimum value	5.2	Coeff. of variation	0.604
Maximum value	145	Skewness	2.44
Median value	23.2	Kurtosis	21.997
Modal Range	greater than 15.8 to less than 24.5		
Values in modal range	225 (42.0 % of total)		

PROJECTS 044 & 082 (SOILS)
KEEWATIN ENGINEERING INC.

Histogram for Lead (PB) Values in PPM



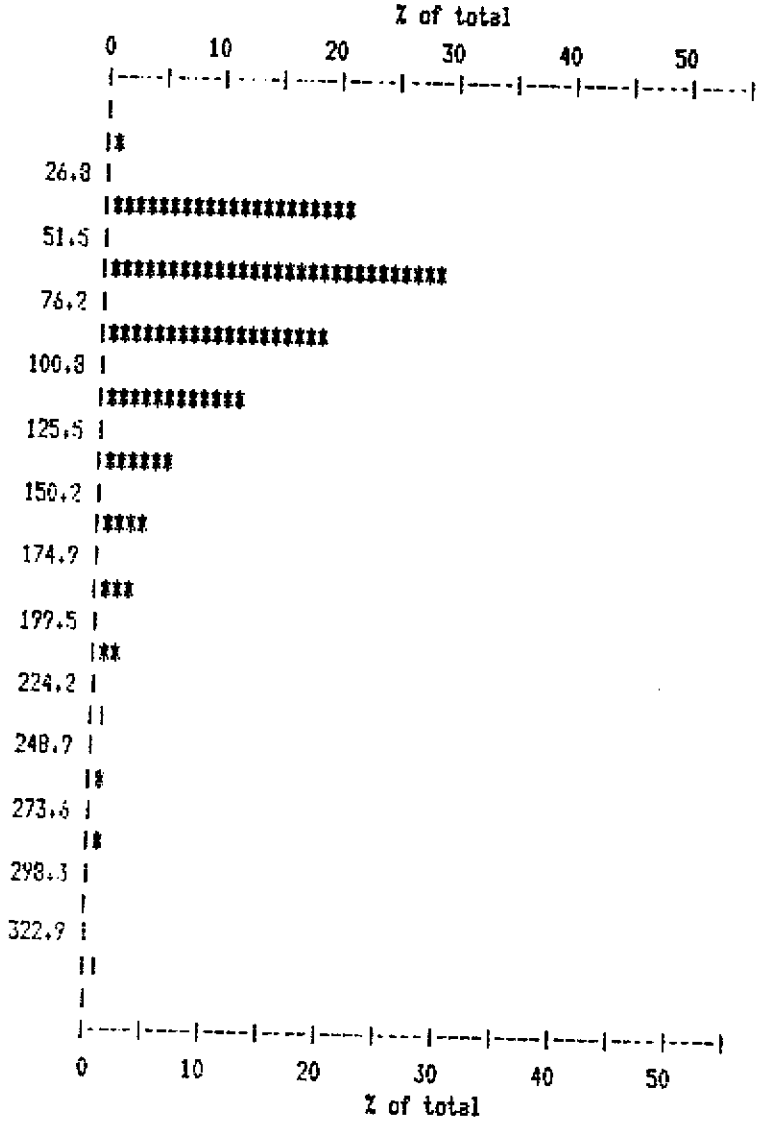
	in interval #	Z
9.7	104	19.4
25.8	369	68.8
41.7	39	7.3
57.7	16	3.0
74.0	0	0.0
90.1	3	0.6
106.1	3	0.6
122.2	1	0.2
138.3	0	0.0
154.3	0	0.0
170.4	0	0.0
186.5	0	0.0
202.5	0	0.0
218.6	0	0.0
234.7	1	0.2

Summary Statistics

Number of samples	536	Mean value	17.7
Number of intervals	16	Standard Deviation	16.07
Minimum value	1	Coeff. of variation	0.905
Maximum value	250	Skewness	7.28
Median value	14.7	Kurtosis	84.609
Modal Range	greater than 9.7 to less than 25.8		
Values in modal range	369 (68.8 Z of total)		

PROJECTS 044 & 082 (SOILS)
KEEWATIN ENGINEERING INC.

Histogram for Zinc (ZN) Values in PPM



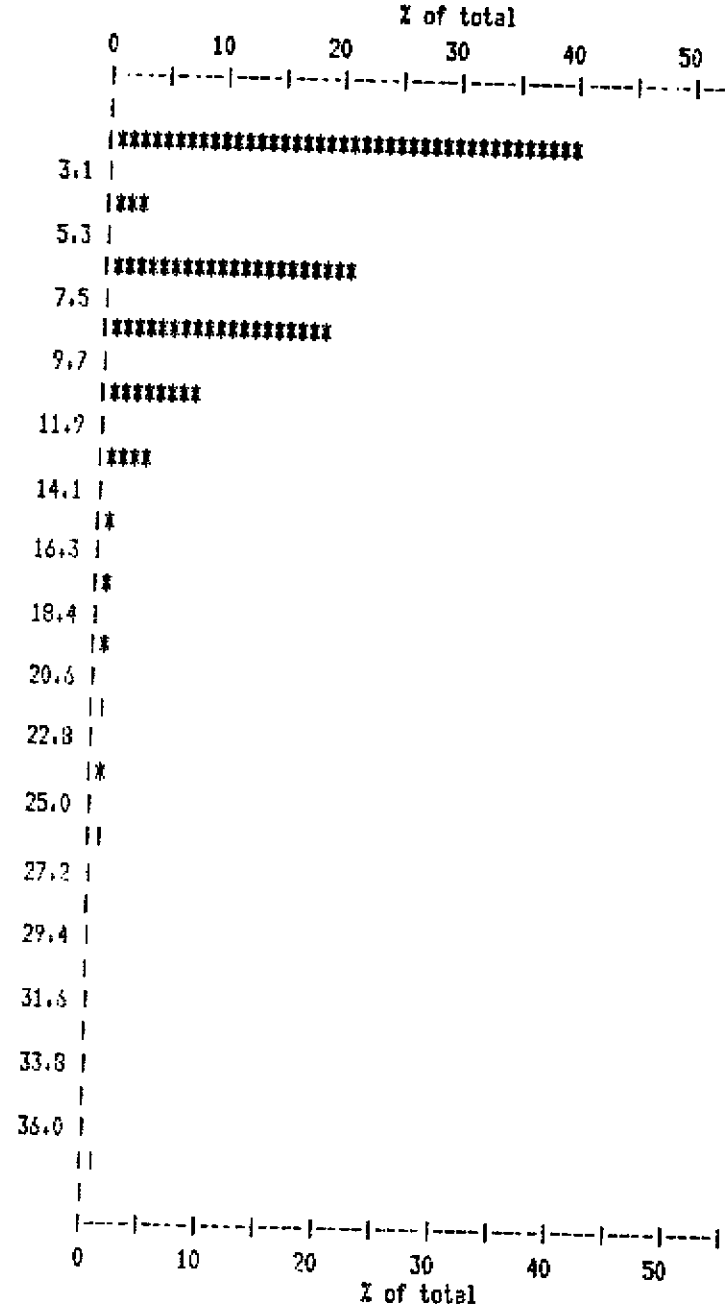
	in interval #	%
26.8	7	1.3
51.5	112	20.9
76.2	156	29.1
100.8	102	19.0
125.5	65	12.1
150.2	34	6.3
174.9	22	4.1
199.5	17	3.2
224.2	9	1.7
248.9	2	0.4
273.6	6	1.1
298.3	3	0.6
322.9	0	0.0
	1	0.2

Summary Statistics

Number of samples	536	Mean value	88.5
Number of intervals	14	Standard Deviation	49.36
Minimum value	18	Coeff. of variation	0.558
Maximum value	326	Skewness	1.58
Median value	74.6	Kurtosis	25.026
Modal Range	greater than 51.5 to less than 76.2		
Values in modal range	156 (29.1 % of total)		

PROJECTS 044 & 082 (SOILS)
KEEWATIN ENGINEERING INC.

Histogram for Antimony (SB) Values in PPM



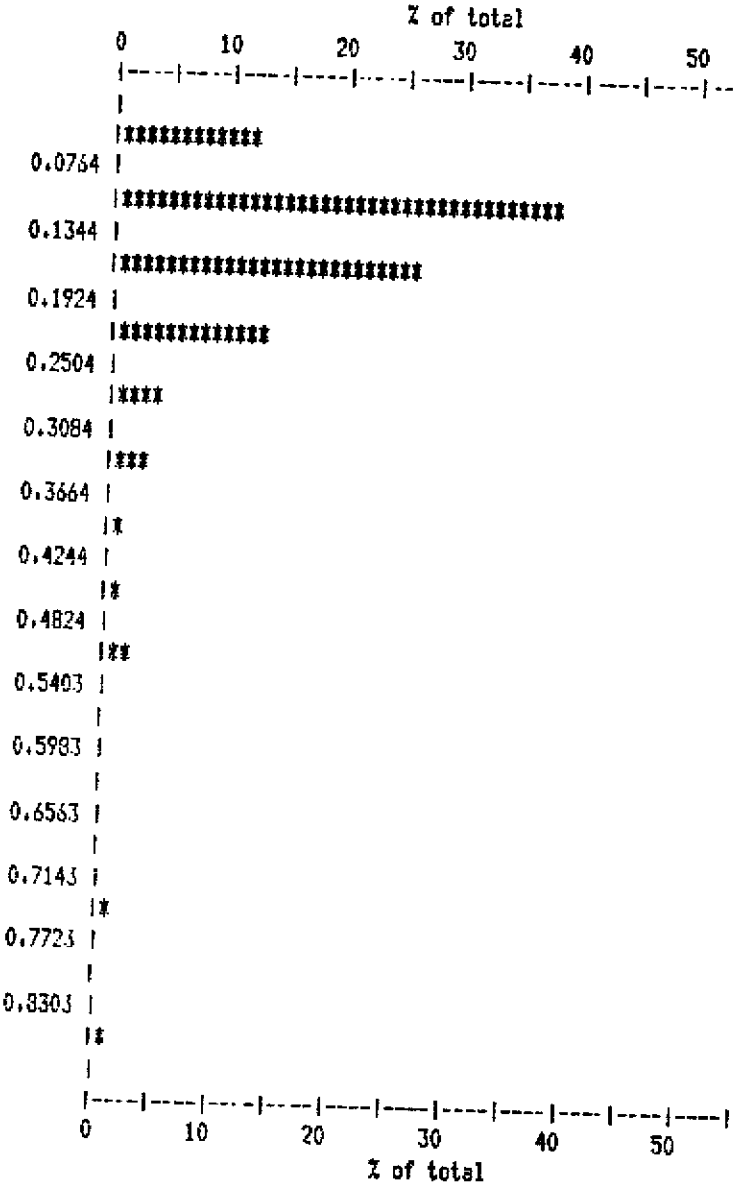
	in interval #	%
3.1	216	40.3
5.3	18	3.4
7.5	113	21.1
9.7	101	18.8
11.9	44	8.2
14.1	19	3.5
16.3	8	1.5
18.4	6	1.1
20.6	4	0.7
22.8	1	0.2
25.0	3	0.6
27.2	2	0.4
29.4	0	0.0
31.6	0	0.0
33.8	0	0.0
36.0	0	0.0
	1	0.2

Summary Statistics

Number of samples	536	Mean value	6.4
Number of intervals	17	Standard Deviation	4.39
Minimum value	2.5	Coeff. of variation	0.691
Maximum value	38	Skewness	1.90
Median value	6	Kurtosis	11.931
Modal Range	less than 3.1		
Values in modal range	216 (40.3 % of total)		

PROJECTS 044 & 082 (SOILS)
KEEWATIN ENGINEERING INC.

Histogram for Mercury (HG) Values in PPM



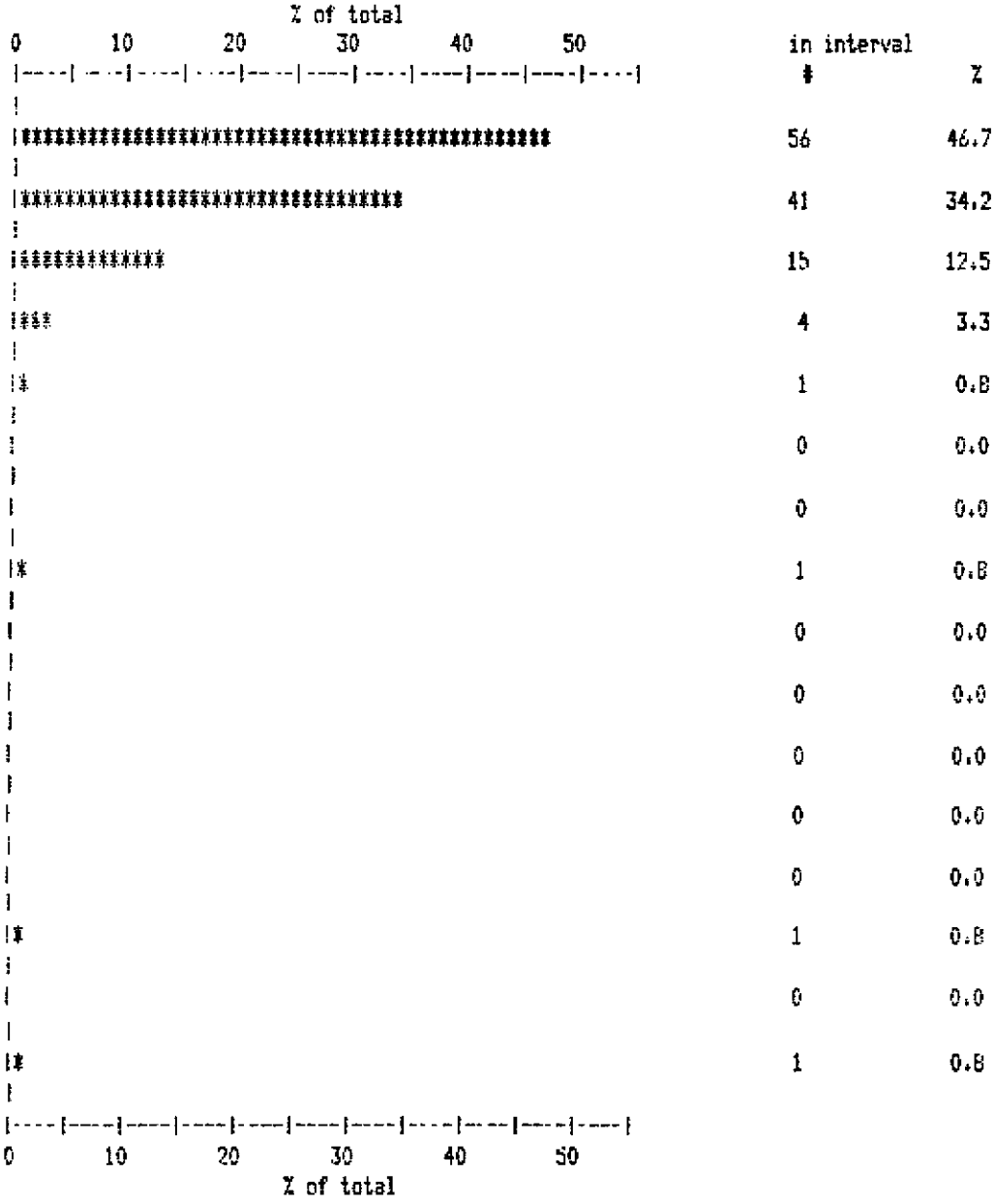
	in interval #	%
0.0764	23	11.8
0.1344	74	37.9
0.1924	51	26.2
0.2504	25	12.8
0.3084	7	3.6
0.3664	6	3.1
0.4244	1	0.5
0.4824	1	0.5
0.5403	4	2.1
0.5983	0	0.0
0.6563	0	0.0
0.7143	0	0.0
0.7723	2	1.0
0.8303	0	0.0
	1	0.5

Summary Statistics

Number of samples	175	Mean value	0.1634
Number of intervals	15	Standard Deviation	0.11599
Minimum value	0.042	Coeff. of variation	0.710
Maximum value	0.848	Skewness	3.0096
Median value	0.135	Kurtosis	15.7886
Modal Range	greater than 0.0764 to less than 0.1344		
Values in modal range	74 (37.9 % of total)		

PROJECTS 044 & 082 (SEDIMENTS)
KEEWATIN ENGINEERING INC.

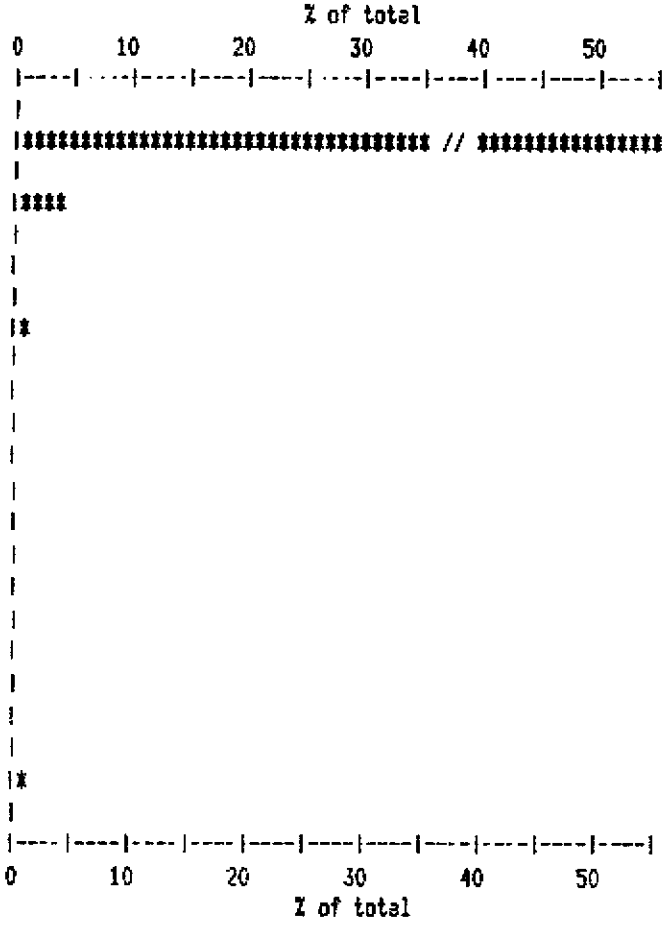
Histogram for Gold 30 grams (AU_30G) Values in PPB



Summary Statistics			
Number of samples	120	Mean value	11.9
Number of intervals	16	Standard Deviation	16.62
Minimum value	2.5	Coeff. of variation	1.395
Maximum value	129	Skewness	4.81
Median value	8.7	Kurtosis	26.051
Modal Range	less than 7.8		
Values in modal range	56 (46.7 % of total)		

PROJECTS 044 & 082 (SEDIMENTS)
KEEWATIN ENGINEERING INC.

Histogram for Silver (AG) Values in PPM

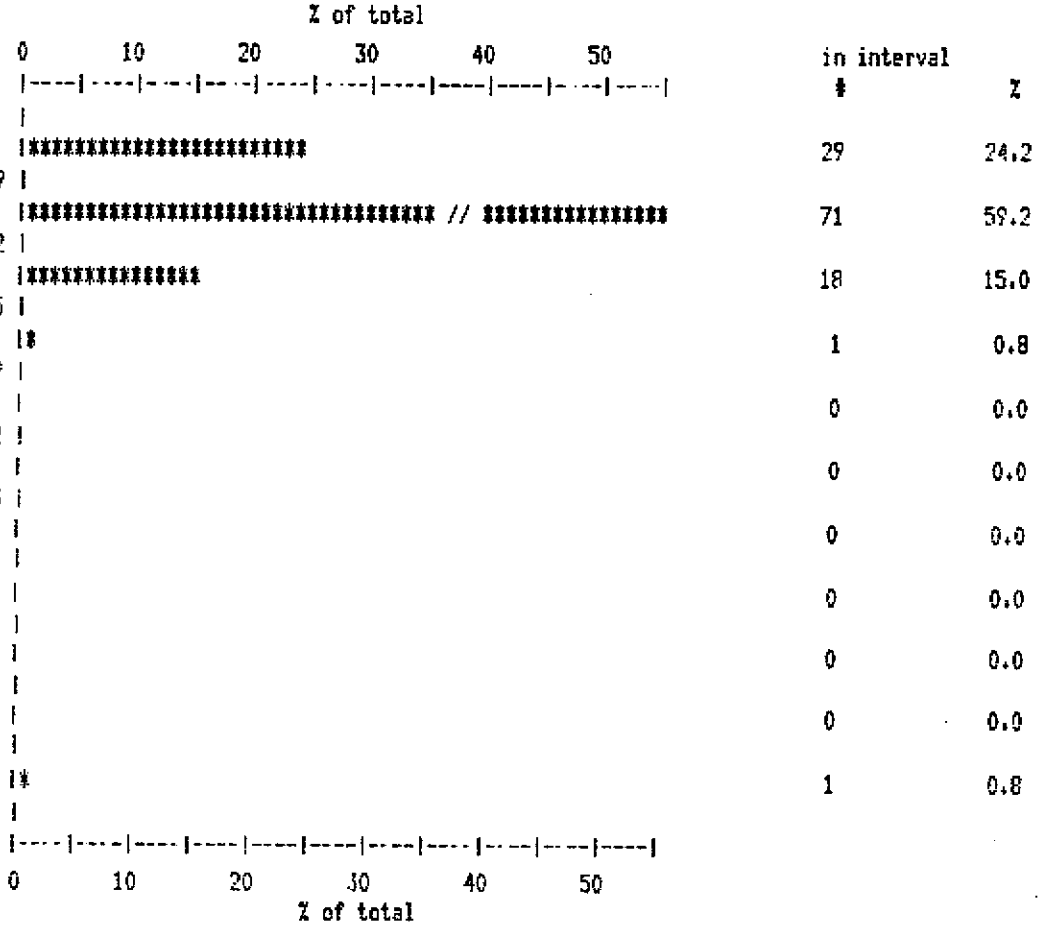


Summary Statistics

Number of samples	120	Mean value	0.93
Number of intervals	11	Standard Deviation	1.293
Minimum value	0.3	Coeff. of variation	1.395
Maximum value	14.1	Skewness	8.955
Median value	0.7	Kurtosis	85.0921
Modal Range	less than 1.57		
Values in modal range	113 (94.2 % of total)		

PROJECTS 044 & 082 (SEDIMENTS)
KEEWATIN ENGINEERING INC.

Histogram for Arsenic (AS) Values in PPM

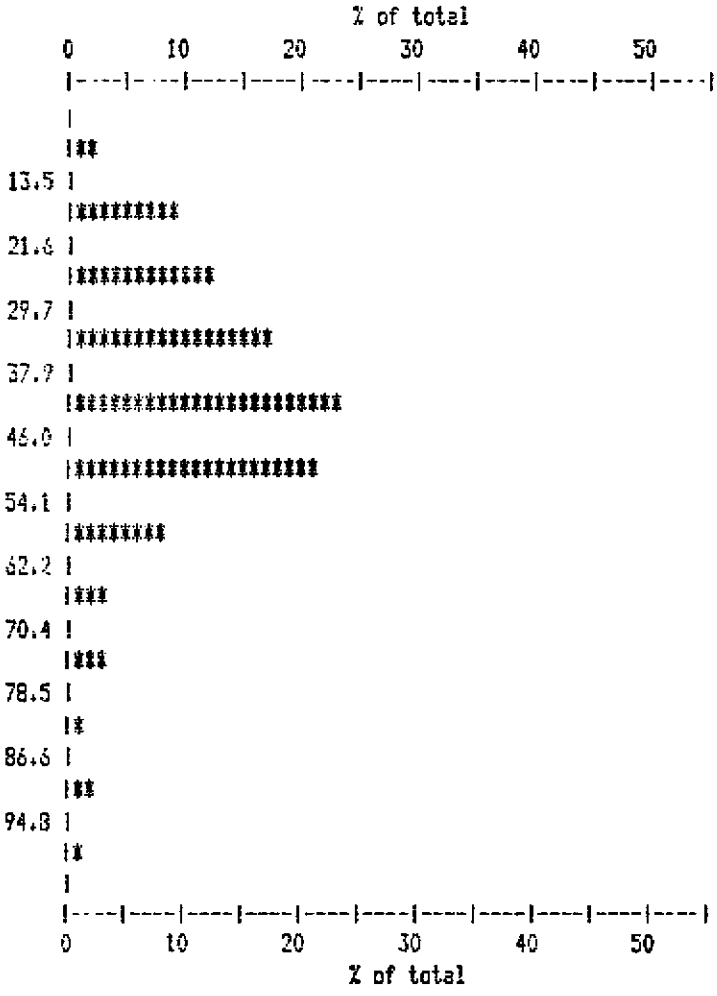


Summary Statistics

Number of samples	120	Mean value	22.1
Number of intervals	11	Standard Deviation	24.31
Minimum value	2.5	Coeff. of variation	1.102
Maximum value	243	Skewness	6.36
Median value	17.2	Kurtosis	52.346
Modal Range	greater than 9.9 to less than 34.2		
Values in modal range	71 (59.2 % of total)		

PROJECTS 044 & 082 (SEDIMENTS)
KEEWATIN ENGINEERING INC.

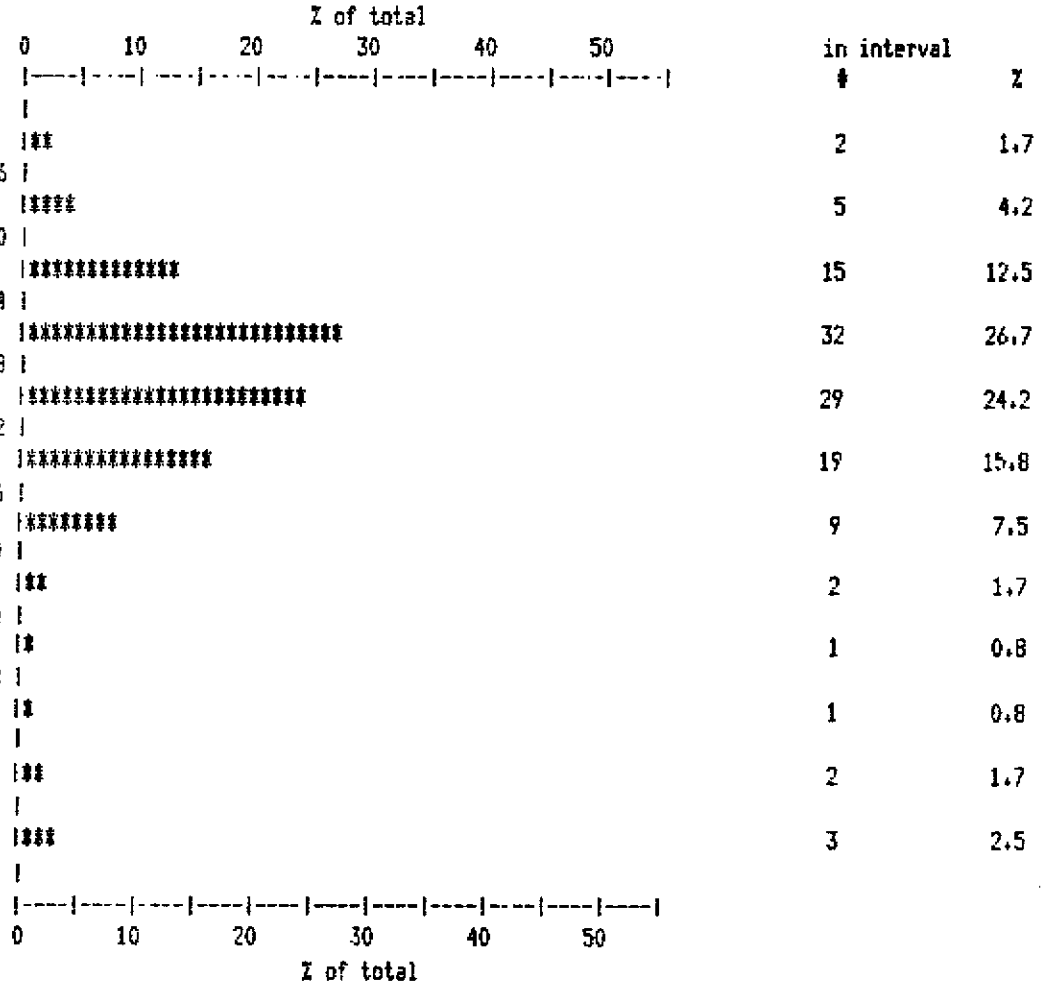
Histogram for Copper (CU) Values in PPM



Summary Statistics			
Number of samples	120	Mean value	41.9
Number of intervals	12	Standard Deviation	16.26
Minimum value	10.8	Coeff. of variation	0.388
Maximum value	98	Skewness	0.67
Median value	41	Kurtosis	138.198
Modal Range	greater than 37.9 to less than 46.0		
Values in modal range	28 (23.3 % of total)		

PROJECTS 044 & 082 (SEDIMENTS)
KEEWATIN ENGINEERING INC.

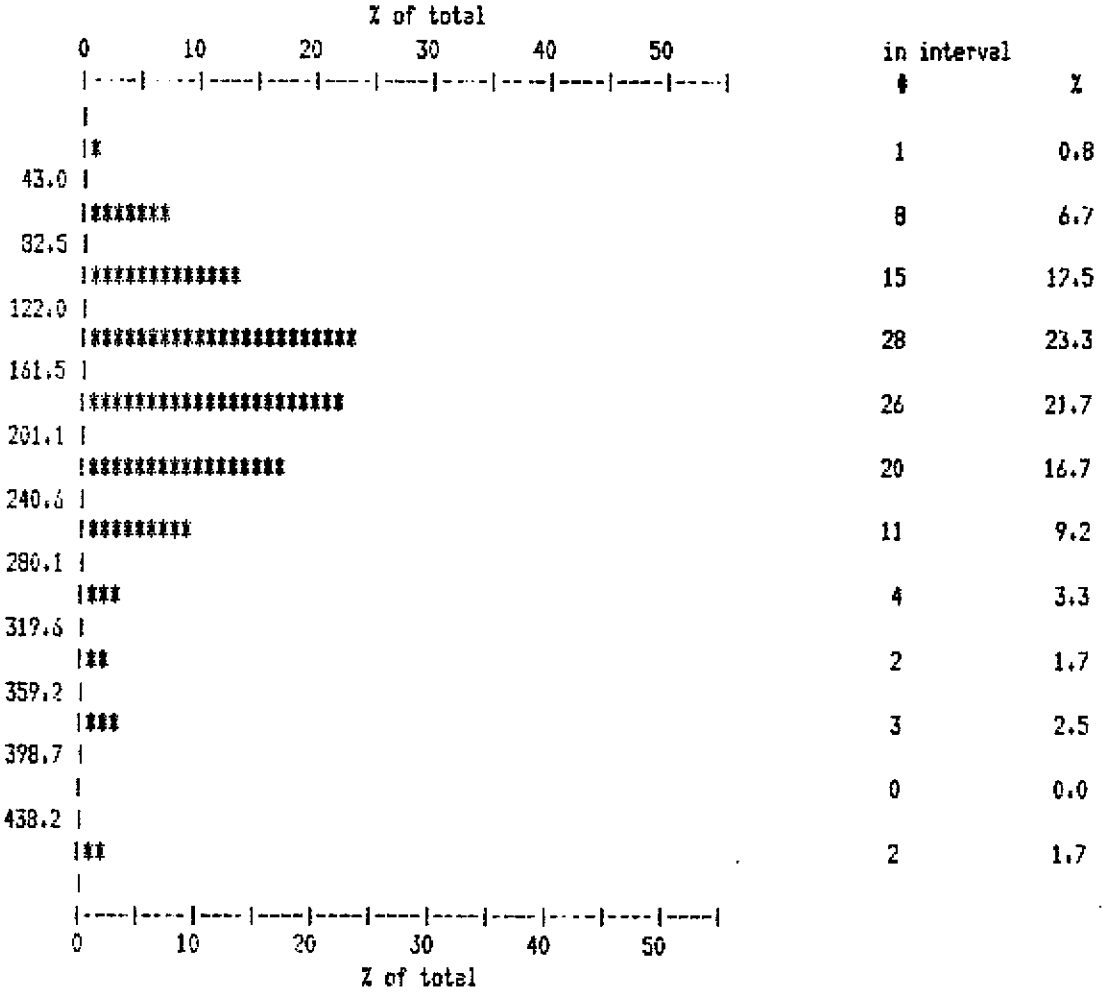
Histogram for Lead (PB) Values in PPM



Summary Statistics			
Number of samples	120	Mean value	19.0
Number of intervals	12	Standard Deviation	8.80
Minimum value	2.3	Coeff. of variation	0.463
Maximum value	51	Skewness	1.41
Median value	17.6	Kurtosis	62.398
Modal Range	greater than 12.4 to less than 16.8		
Values in modal range	32 (26.7 % of total)		

PROJECTS 044 & 082 (SEDIMENTS)
KEEWATIN ENGINEERING INC.

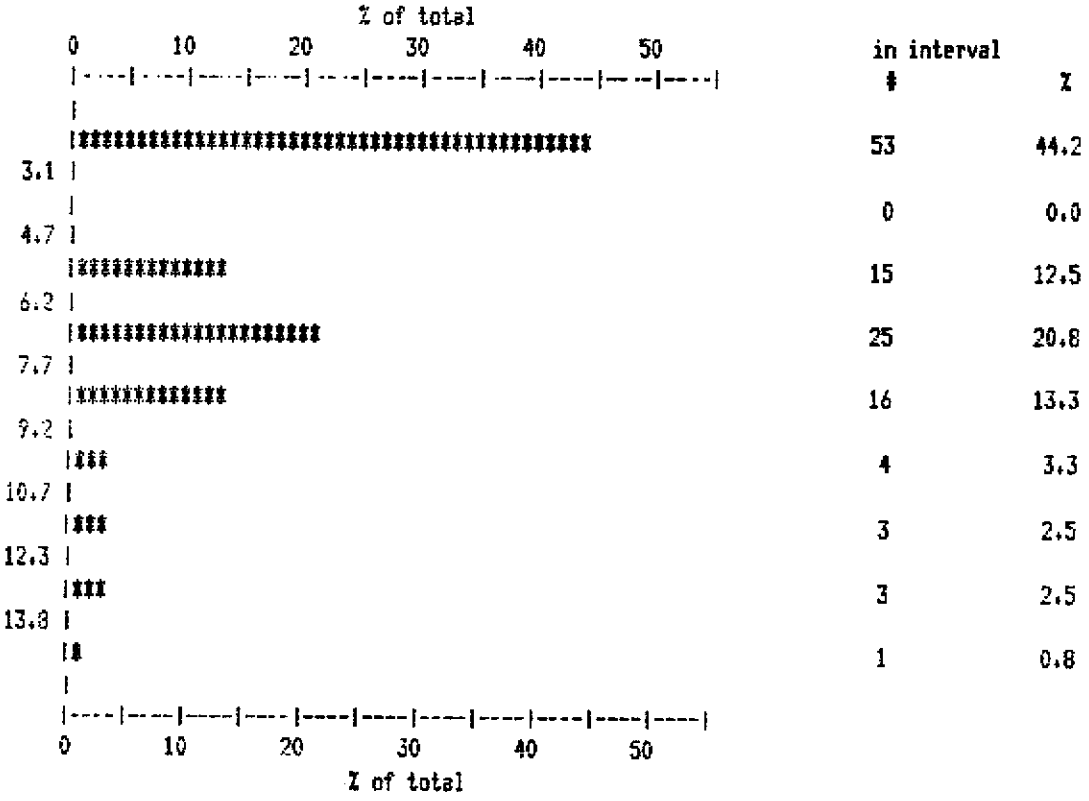
Histogram for Zinc (ZN) Values in PPM



Summary Statistics			
Number of samples	120	Mean value	181.3
Number of intervals	12	Standard Deviation	79.05
Minimum value	34	Coeff. of variation	0.436
Maximum value	472	Skewness	1.07
Median value	170	Kurtosis	81.136
Modal Range	greater than 122.0 to less than 161.5		
Values in modal range	28 (23.3 % of total)		

PROJECTS 044 & 082 (SEDIMENTS)
KEEWATIN ENGINEERING INC.

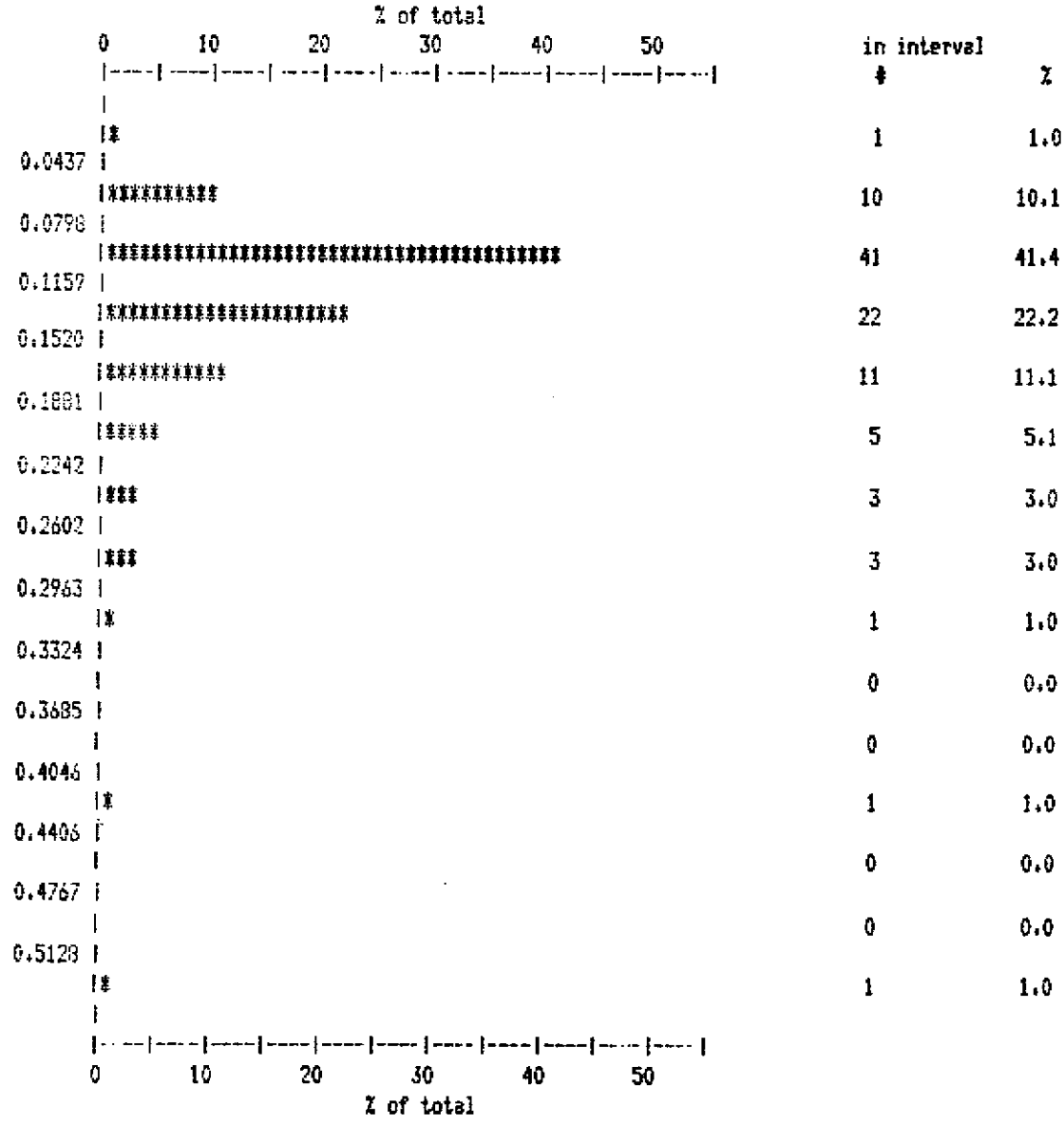
Histogram for Antimony (SB) Values in PPM



Summary Statistics			
Number of samples	120	Mean value	5.4
Number of intervals	9	Standard Deviation	3.04
Minimum value	2.5	Coeff. of variation	0.560
Maximum value	15	Skewness	0.66
Median value	5.7	Kurtosis	21.455
Modal Range	less than 3.1		
Values in modal range	53 (44.2 % of total)		

PROJECTS 044 & 082 (SEDIMENTS)
KEEWATIN ENGINEERING INC.

Histogram for Mercury (HG) Values in PPM



Summary Statistics			
Number of samples	99	Mean value	0.1339
Number of intervals	15	Standard Deviation	0.07216
Minimum value	0.043	Coeff. of variation	0.539
Maximum value	0.532	Skewness	2.6622
Median value	0.114	Kurtosis	36.7553
Modal Range	greater than 0.0798 to less than 0.1159		
Values in modal range	41 (41.4 % of total)		

APPENDIX VIII

Stream Silt and Soil Sample Descriptions

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: PARADIGM 082.
Area (Grid):
Collectors: B. McINTYRE
Results Plotted By: B. McINTYRE
Map: N.T.S.: 104 B/10 E
Date: JULY

90X082L Sample Number	NOTES	SEDIMENT DATA					STREAM DATA						SPRING	DRY GULLY
		% Gravel	% Sand	% Silt	% Clay	% Organic	Bank	Active	Width	Depth	Velocity			
	Mikhail 2 2200' contour.													
001	2+73 stn. Brg 218° 2150'	65	10	25				✓	1m	5cm	M			
002.	4+95 Brg 245° 2240'	60		30		10		✓	1m	5cm	M			
	1900' contour north													
003	18+10 stn. Brg 270° 1880'	60	10	30				✓	1M	10cm	F			
004	22+60 Brg 260° 1890'	50	5	45				✓	1M	10cm	F			
	Northernmost drainage traverse													
005	1+16 stn. Brg. 030° 1560' Moss Matt							✓	3M	30cm	M			
006	0+00 " 350° 1516'	40	20	40				✓	3M	20cm	M.			
007	1+78 " 308° 1595 Trib - 30cm banks	20	30	50				✓	1M	15cm	M			
008	2+00 " 350° 1600' mid stream	Moss			Matt			✓	2M	30cm	M			
009	3+15 " 260° 1685' north side	Moss			Matt			✓	2M	30cm	F			
010	3+62 " 240° 1720' left fork	Moss			Matt			✓	1M	20cm	F			
011	4+09 " 290° 1750' right fork	Moss			Matt			✓	1m	30cm	F			
	Paradigm 2 2600' contour N. boundary.													
012	1+28 stn. Brg 190° dry bed - intermittent	40	20	40				No	1m	10cm	—			

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: PARADIGM 082.
Area (Grid): CLAIM 2.
Collectors: Heath Whitham.

Results Plotted By:
Map: PARADIGM. N.T.S.: 104 B10
Date: Aug 3. to 9th & 10th

9055 Sample Number	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity		
L001	1600' moss matt.	Ø	5	85	Ø	10		4.	2m	10	m.		
L002	1640'	30	10	55	Ø	5		4	½m	5	s.		
L003	1620' moss matt.	Ø	5	85	Ø	10		4.	½m	8	m		
L004	moss matt	Ø.	5	85	Ø	10		4.	1m	10	m.		
L001	2800' moss matt.	Ø	Ø	75	10	15		4	½m	15	m.		
L002	2800' moss matt	Ø	Ø	80	10	10		4	¾m	15	m		
L003	2800' moss matt.	Ø	Ø	80	10	10		4	1m	15	m.		
L004	2800' dry inter-mitten stream	40	20	40	Ø	Ø		Ø	½	Ø	Ø		4
L005	2800'	40	30	30	Ø	Ø		4	1m	10	m		
L006	2700'	50	30	20	Ø	Ø		4	½m	15	m		
L007	2700'	35	30	55	Ø	Ø		4	1m	10	m		
L008.	2700'	40	30	30	Ø	Ø		4	1m	15	m.		

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: PARADIGM # 082 Results Plotted By: _____

Area (Grid): PARADIGM #2 CLAIM Map: _____ N.T.S.: _____

Collectors: ERIC BIRKELAND Date: AUG. 5 to 6/90

Sample Number	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY				
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity						
90EB082																	
L001	Line 30N			X		20%		X	2'	4"							
L002	Line 30N			X		10%		X	2'	4"							
L003	Line 30N			X		20%		X	3'	6"							
~~1+00E~~	~~Line 27N~~			X													
~~1+75E~~	~~Line 27N~~			X													
2+00W	Line 27N - Some Moss.		70	30		50%		X	2'	3"							
0+35W	Line 21N		60	40		10%		X	6"	8"							
0+65E	Line 21N.		70	20		10		X	3'	6"							
1+38E	Line 21N		70	30		low		X	3'	6"							

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: Paradigm #082

Area (Grid): McKail 2

Collectors: Colin Anderson - (Norm B)

Results Plotted By: _____

Map: _____ N.T.S.: _____

Date: July 27

Sample Number	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width m	Depth	Velocity		
L001	1900= Rounded Boulders	50%	25%	20%		5%			1.5	.1			/
L002	1900=	50%	20%	20%		10%		/	1.0	.1	slow		
L003	1900=	50%	20%	20%		10%		/	.5	.1	slow		
L004	1900=												

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: 082-Paradigm

Area (Grid):

Collectors: Aaron Wardwell

Results Plotted By:

Map: N.T.S.: 104 B/10

Date: Sept. 21/90

Sample Number -90AW082-	NOTES		SEDIMENT DATA					STREAM DATA						SPRING	DRY GULLY				
			Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity							
L001	48° Flow, fast, silt	2850'	10	20	70				Yes	3-4 metres	15cm	Fast							
L002	55° Flow, fast, silt.	2725'		20	80				Yes	4-5 metres	25cm	Fast							

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: Paradigm #082

Area (Grid): Paradigm #2 2800'

Collectors: Colin Anderson - Heath

Results Plotted By: _____

Map: _____ N.T.S.: _____

Date _____

Sample Number	Sample Location		Notes	Topography				Vegetation							Soil Data						
	Line	Station		Valley Bottom	Direction of slope	Hill Top	Level Ground	Heavily Wooded	Sparsely Wooded	Shrub Alder Burnt Conifer Rock	Logged	Grassland	Swampy	Horizon Sampled	Depth to Horizon & Sample	Horizon Good	Horizon Poor	Development	Parent Drift	Parent Bedrock	Material Colour
057	2800	5+50			W					✓				B	30	✓					DRB
058		5+75			W					✓				B		✓					DRB
059		6+00			W					✓			✓	B		✓					LRB
060		6+25			W					✓				B		✓					DRB
061		6+50			W					✓				B		✓					MRB
062		6+75			W					✓				B		✓					MRB
063		7+00			W					✓				B		✓					MRB
064		7+25			W					✓				B		✓					LRB
065		7+50			W					✓			-	B		✓					LRB
066		7+75			W					✓			-	B		✓					MRB
067		8+00			W					✓				B		✓					MRB
068		8+25			W					✓				B		✓					LRB
069		8+50	creek Bank		S					✓				B		✓					MRB
070		8+75			W					✓				B		✓					MRB
071		9+00			W					✓				A			✓				Black
072		9+25			E					✓			-	B		✓					LRB
073		9+50			W					✓				B		✓					MRB
074		9+75			W					✓				B		✓					DRB
075		10+00		-			-			✓				B		✓					MRB
	E.O.L.																				

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: Paradigm # 082
Area (Grid): Mikail 2
Collectors: Colin Anderson - (Scott T)

Results Plotted By:
Map: N.T.S.:
Date July 28/90

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Alder/Dec.	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
S024	1900'	12+00	0 rock frag		W					/				A	35cm		/			Black
S025		12+50	10% rock frag		W					/				A	32cm		/			DRB
S026		13+00	5% " "		W					/				A	35cm		/			DRB
S027		13+50	2% " "		W					/				B			/			RB
S028		14+00	3% " "		W					/				B			/			MRB
S029		14+50	10% " "		W					/				B			/			CRB
S030		17+00	5% " "		W					/				B			/			CRB
S031		15+50	2% " "		W					/				B			/			CRB
S032		16+00	10% " "		W					/				B			/			CRB
S033		16+50	10% " "		W					/				B			/			DRB
S034		17+00	20% " "		W					/				B			/			DRB
S035		17+00	25% " "		W					/				B			/			MRB
														B			/			CRB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: Paradigm #082

Area (Grid): Prop. Paradigm #2 2800' Contour

Collectors: Colin Anderson 90CC #082 (Heath W.)

Results Plotted By: _____

Map: _____ N.T.S.: _____

Date Aug 9/90

Sample Number	Sample Location		Notes	Topography				Vegetation						Soil Data						
	Line	Station		Valley Bottom	Direction of slope	Hill Top	Level Ground	Heavily Wooded	Sparsely Wooded	Dense Club Slide Alder	Logged	Grassland	Swampy	Horizon Sampled	Depth to Horizon Sample	Horizon Development: Good	Horizon Development: Poor	Parent Material: Drift	Parent Material: Bedrock	Colour
S036	2800	0+25	Beside creek		W					✓			✓	B		✓				LRB
S037	2800	0+50			W					✓				B		✓				MRB
S039	2800	0+75			W					✓				B		✓				MRB
S039	2800	1+00			W					✓			✓	B		✓				LRB
S040	2800	1+25			W					✓				B		✓				LRB
S041	2800	1+50			W					✓				B		✓				MRB
S042	2800	1+75			W					✓			✓	B		✓				MRB
S043	2800	2+00			W					✓				B		✓				MRB
S044	2800	2+25			E					✓				B		✓				MRB
S045	2800	2+50			W					✓				B		✓				MRB
S046	2800	2+75			W					✓				B		✓				MRB
S047	2800	3+00	outcrop		W					✓				B		✓				MRB
S048	2800	3+25			W					✓				B		✓				MRB
S049	2800	3+50			W					✓				B		✓				MRB
S050	2800	3+75	outcrop		W					✓				B		✓				MRB
S051	2800	4+00	"		W					✓				B		✓				MRB
S052	2800	4+25			W					✓				B		✓				MRB
S053	2800	4+50			W					✓				B		✓				LRB
S054	2800	4+75			W					✓				B		✓				LRB
S055	2800	5+00			W					✓				B		✓				MRB
S056	2800	5+25			W					✓				B	Between 25 & 35 cm	✓				MRB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: Paradigm 087 — Results Plotted By: _____

Area (Grid): Mikkail clm — Map: _____ N.T.S.: _____

Collectors: R. Gobeil (Bob Murphy) — Date _____

Sample Number 90RR0825	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
021	1600'	3+00	MRR - silty sand / 20% sandy clay		40			X						B	12"	X				MRB
002	"	3+50			40			X							1'	X				MRB
003	"	4+00			40			X							1'	X				MRB
004	"	4+50			20			X							1'	X				MRB
005	"	5+00			30			X							1'	X				MRB
006	"	5+50			20			X							1'	X				MRB
007	"	6+00	boulder / field		10			X							1'		X			MRB
008	"	6+50	sandy silt		15			X							1'	X				LRB
009	"	7+00	boulder field		30			X							1'		X			MRB
010	"	7+50			30				X				X		18"	X				LRB
011	1900	16+50	silty clay		25			X							1'	X				MRB
012	"	17+00			20			X							1'	X				LRB
013	"	17+50			20				X				X		18"	X				MRB
014	"	18+00	40-50% logs (near stream)		25			X							1'		X			LRB
015	"	18+50			25			X							1'	X				LRB
016	"	19+00			25			X							6"	X				LRB
017	"	19+50		X	0			X							18"	X				LRB
018	"	20+00			10			X							12"	X				LRB
019	"	20+50	= organics (90%)	X	0			X							24"		X			MRB
020	"	21+00			25			X							24"	X				LRB
021	"	21+50			25			X							12"	X				LRB
022	"	22+00			30			X							18"	X				LRB
023	"	22+50			40			X							6"	X				LRB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 082 - Paradigm

Area (Grid): _____

Collectors: Aaron Wardwell

Results Plotted By: _____

Map: _____ N.T.S.: 104 B/10

Date Sept. 21/90

Sample Number 90AW082	Sample Location: Line	Sample Location: Station (START AT WEE FALLS)	Notes		Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
S001		0+10	50% Frag, silt/sand	3050'											TALUS	25	✓				MED/DRK GRY
S002		0+57	40% Frag, silt/sand	3000'											TALUS	30	✓				MED/DRK GRY
S003		0+88	40% Frag, silt/sand	2975'											TALUS	35	✓				MED/DRK GRY
S004		1+26	30% Frag, silt/sand.	2940'											TALUS	30	✓				MED/DRK GRY

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: PARADIGM #082

Area (Grid): PARADIGM #2 CLAIM.

Collectors: ERIC BIKKEBAKKO.

Results Plotted By: _____

Map: _____ N.T.S.: _____

Date AUG. 6/90.

Sample Number 90EB082	Sample Location: Line	Sample Location: ~~Station~~ ELEVATION	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: [illegible]	Soil Data: Horizon Development: [illegible]	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
S 0+00W	2IN	3300												B	30	15	20			MRB
S 0+25W	2IN	3260												B	30	20	30			DB
S 0+50W	2IN	3265												B	30	10	20			MB
S 0+75W	2IN	3260												B	30	15	15			MRB
S 1+00W	2IN	3260												B	30	15	15			MRB
S 1+25W	2IN	3260												B	30	15	25			MRB
S 1+50W	2IN	3280												B	30	10	10			MRB
S 1+75W	2IN	3220												B	30	15	20			DB
S 2+00W	2IN	3180												B	25	15	40			MB.
S 2+25W	2IN	3200												B	25	15	20			MRB
S 2+50W	2IN	3160												B	25	10	20			MRB
S 2+75W	2IN	3110												B	30	10	10			MRB
S 3+00W	2IN	3080												B	30	15	25			DRB
S 0+25E	2IN	3300												B	30	10	25			MB
S 0+50E	2IN	3225												B	20	15	50			G.
S 0+75E	2IN	3290												B	10	20	50			DB
S 1+00E	2IN	3320												B	20	20	20			DB
S 1+25E	2IN	3320												B	20	10	20			MRB
S 1+50E	2IN	3300												B	30	10	10			MRB
S 1+75E	2IN	3300												B	30	10	10			MRB
S 2+00E	2IN	3310												B	30	10	15			MB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: PARADIGM # 082

Area (Grid): PARADIGM #2 CLAIM.

Collectors: ERIC BIRKELAND.

Results Plotted By: _____

Map: _____ N.T.S.: _____

Date AUG. 5 & 6 / 90

Sample Number	Sample Location: Line	Sample Location: ~~Station~~ ELEVATION	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: ~~Stone~~ % Rock	Soil Data: Horizon Development: ~~Boulders~~ % Boulders	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
90EB 082																				
S 0+00E	27N	1115 M												B	30	15	10			MLB
S 0+25E	27N	1115 M												B	14	15	10			MRB
S 0+50E	27N	1110 M												B	20	15	30			DB
S 0+75E	27N	1115 M												B	20	15	60			DB
S 1+00E	27N	1112 M												B	25	25	60			DB
S 1+25E	27N	1120 M												B	10	10	10			LB
S 1+50E	27N	1126 M												B	15	15	30			MDB
S 1+75E	27N	1135 M												B	15	10	20			MRB
S 2+00E	27N	1142 M												B	20	10	20			MRB
S 2+25E	27N	1135 M												B	15	10	20			MB
S 2+50E	27N	1125 M												B	15	10	20			MB
S 0+25W	27N	3490'												B	15	15	10			MLB
S 0+50W	27N	3490'												B	15	20	20			MDB
S 0+75W	27N	3470'												B	15	20	20			MDB
S 1+00W	27N	3450'												B	10	20	20			MB
S 1+25W	27N	3430'												B	15	25	20			MRB
S 1+50W	27N	3405'												B	15	20	20			MB
S 1+75W	27N	3390'												B	15	20	20			MB
S 2+00W	27N	3390'												B	15	20	20			MB
S 2+25W	27N	3200'												B	15	20	20			MGB
S 2+50W	27N	3190'												B	15	25	20			MRB
S 2+75W	27N													B	15	30	15			BLACK
														B						

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: PARADIGM #082

Area (Grid): PARADIGM #2 CLAIMS

Collectors: ERIC BIKKELAND.

Results Plotted By: _____

Map: _____ N.T.S.: _____

Date Aug. 5/90

Sample Number 90EB 082	Sample Location: Line	Sample Location: Elevation	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development %	Soil Data: Horizon Coarse %	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
S 0+25W	30N	1108 M												B	25	20	5			MRB
S 0+50W	30N	1090												B	25	20	5			MRB
S 0+75W	30N	1070	STATION IN ROCK-SAMPLE 4 M TO N.											B	30	20	40			MRB
S 1+00 W	30N	1068												B	30	20	15			MRB
S 1+25W	30N	1060												B	30	15	30			MB
S 1+50 W	30N	1060												B	30	25	40			LRB
S 1+75W	30N	1050												B	25	20	20			LRB
S 2+00W	30N	1035												B	30	20	20			MRB
S 2+25W	30N	1015												B	20	20	20			MRB
S 0+00E	30N	1128												B	20	20	10			MB
S 0+25E	30N	1133												B	20	30	15			MB
S 0+50E	30N	1140												B	20	50	50			MB
S 0+75E	30N	1148												B	20	30	50			GB
S 1+00 E	30N	1141												B	20	30	50			GB
S 1+25E	30N	1143												B	20	20	20			MRB
S 1+50E	30N	1140												B	20	20	20			MRB
S 1+75E	30N	1130												B	20	20	50			MGB
S 2+00E	30N	1130												B	20	20	20			MRB
S 2+25E	30N	1130												B	20	20	20			MRB
S 2+50E	30N	1135												B	20	20	30			MRB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: PARADIGM 082.
Area (Grid): CLAIM 2. & NORTH GRID.
Collectors: Heath Whitham.

Results Plotted By:
Map: PARADIGM N.T.S.: 104G/10E
Date Aug 3/90. & Aug. 6th.

9088 Sample Number 1600' Contour	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development Good	Soil Data: Horizon Development Poor	Soil Data: Parent Material Drift	Soil Data: Parent Material Bedrock	Soil Data: Colour
S001		0+00	10% frag, 10% org, silt/sand.											B	30	↘				MRB.
S002		0+50	10% frag, 0 org, sand/silt											B.	25	↘				MRB.
S003	1645'	1+00	10% frag, min org. Sand/silt											B	40	↘				MRB.
S004		1+20	15% frag, 0 org. Sand/silt											B.	45	↘				MRB.
S005		1+50	10% frag, min org, sand/silt											B	50	↘				MRB.
S006.		2+00	10% frag, min org, Sand/silt											B.	30	↘				MRB.
S007	1580'	3+00	0 frag, min org, Sand/silt											B.	30	↘				MRB.
S008	1520'	3+50	20% frag, 0 org, Silt/Sand.											A	35	↘	↘			LRB.
S009.		4+00	5% frag, 0 org, Sand/silt.											B.	30	↘				DRB.
S010		4+50	20% frag, 0 org, silt/clay.											B.	30	↘				LRB.
S011		5+00	0 frag, 0 org, silt/clay											B.	40	↘				MRB.
S012		5+50	10 frag, min org, Sand/silt											B.	40	↘				MRB.
S013.		6+00	min org, Sand/silt											A	30		↘			DB.
														A	30		↘			MB.
	Running GRID		3300'-3400' NORTH GRID.																	
	2+50N	0+25W	0 frag, 0 org, clay/silt											B.	20	↘				MRB.
		0+50W	5% frag, 0 org, clay/silt											B.	20	↘				DRB
		0+75W	5% frag, 5% org, Sand/silt											A	35		↘			DB
		1+00W	5% frag, 5% org, clay/silt											B	30	↘				DRB
		1+50W	5% frag, 5% org, clay/silt											B	40	↘				DRB
		1+75	5% frag, 5% org, clay/silt											B	35	↘				MRB
		2+00	0 frag, 0 org, silt/clay											B	30	↘				MRB
		2+25	10% frag, 5% org, silt											A	35		↘			DB
		2+50	15% frag, min org, silt/clay											B	30	↘				MRB
		2+75	5% frag, min org, silt/clay.											B-A	35		↘			GRB
		3400	5% frag, min org, silt/clay.											B	30	↘				LRB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: PARADIGM 082

Area (Grid): ~~DOMAN~~ NORTH GRID

Collectors: Heath Whitham.

Results Plotted By:

Map: PARADIGM. N.T.S.: 104B/10E

Date Aug 6/90 & Aug 7th.

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
	19+50N	0+25 E	5% frag, min org, silt/clay											B	25	↘				MRB
		0+50 E	0 frag, min org, silt/clay											B	25	↘				MRB
		0+75 E	0 frag, min org, silt/clay.											B	30	↘				MRB
		1+00 E	0 frag, min org, silt/clay.											B	30	↘				MRB
		1+25 E	0 frag, min org, silt/clay.											B	25	↘				MRB
		1+75 E	5% frag, 0 org, silt/clay.											B	25	↘				MRB
		2+00	0 frag, min org, silt/clay.											B	30	↘		W		MRB
		2+25	0 frag, min org, silt/clay Talus.											B-A	30		↘	↘		MRB
		2+50	0 frag, min org, silt/clay.											B	25	↘				MRB
	19+50N	B.L	20% frag, min org, Sand/Silt											B	20	↘				LRB
		0+25W	25% frag, 0 org, Silt/Sand.											B-A	20	↘	↘			LRB
		0+50	5% frag, 0 org, Sand/Silt											B	30	↘	↘			LRB
		0+80	0 frag, 0 org, Silt/clay.											B	30	↘				DRB
		1+00	0 frag, 0 org, Silt/clay.											B	30	↘				MRB
		1+25	0 frag, min org, silt/clay.											B	25	↘				MRB
		1+50	0 frag, 0 org, Silt/clay.											B	20	↘				MRB
		1+75	5% frag, 10% org, Silt/clay.											B	15	↘				MRB
		2+00	5% frag, 0 org, Silt/clay.											B	30	↘				MRB
		2+25	5% frag, 5% org, silt/clay.											B	20	↘				MRB
		2+50	20% frag, 5% org, silt/clay.											A	35		↘			BB
		2+75	15% frag, min org, silt/clay.											B	20	↘				LRB
		3+00.	5% frag, 0 org, Silt/clay.																	

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: PARADIGM 82 — Results Plotted By: ____

Area (Grid): NORTH GRID — Map: ____ N.T.S.: ____

Collectors: Heath Whittam. — Date Aug 3rd

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon: Good	Soil Data: Horizon: Poor	Soil Data: Development	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
	15+00N	B.L	30% frag, min org, silt/sand.											H	30	↓					MRB
		0+25 W	20% frag, 0 org, silt/sand.											B-A	20		↓				MRB
		0+50	5% frag, min org, silt/clay.											A-B	20		↓				MRB
		0+75	0 frag, min org, sand/silt											B	25	↓					MRB
		1+00	0 frag, min org, silt/clay.											H	20	↓					MRB
		1+25	0 frag, min org, silt/clay.											B	20	↓					MRB
		1+50	0 frag, min org, silt/clay											H	30	↓					MRB
		1+75	0 frag, 10% org, silt/clay.											A	30		↓				BLK
		2+00	min frag + org, silt/clay											A	20		↓				BRK
		2+25	10% frag, min org, silt 0											H	20	↓					MRB
		2+50	5% frag, 0 org, silt											B	25	↓					MRB
		2+75	15% frag, min org, silt/clay.											A	35		↓				DB
		3+00	5% frag, min org, silt/clay.											B	30	↓					MRB
	15+00N	0+25 E	5% frag, min org, sand/silt.											B	25	↓					MRB
		0+50	5% frag, min org, sand/silt											B	25	↓					MRB
		0+75	min org + frag, silt/clay.											B	25	↓					MRB
		1+00	5% frag, min org, silt/clay.											B	20	↓					MRB
		1+25	10% frag, min org, silt/clay.											B	20	↓					MRB
		1+50	5% frag, min org, sand/silt											B	25	↓					LRB
		1+75	0 frag, 0 org, silt/clay.											B	25	↓					MRB
		2+00	5% frag, 0 org, silt/clay.											B	25	↓					MRB
	13+50N	0+00 E	5% frag, min org, silt/clay.											B	20	↓					MRB
		0+25 E	min org + frag, silt/clay.											B	20	↓					MRB
		0+50 E	15% frag, min org, silt/clay.											B	20	↓					MRB
		0+75 E	0 frag, 0 org, silt/clay.											B	25	↓					MRB
		1+00 E	35% frag, 0 org, silt/sand.											B-A	30		↓				LRB

SOIL SAMPLES

Project: PARADIGM 082
Area (Grid): NORTH GRID L28+50 N
Collectors: HEATH WHITTAM FJ

Results Plotted By:
Map: PARADIGM N.T.S.: 104 G/10
Date Aug 5/90.

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
	28+50N	0+25W	5% fgy, clay/silt											B	20	↘				MRB
	"	0+50W	10% fgy, clay/silt											B	25	↘				MRB
	"	0+75W	5% fgy, clay/silt											B	20	↘				MRB
	"	1+00W	25% fgy, silt/sand											B	20	↘				MRB
	"	1+25W	5% fgy, clay/silt											B	15	↘				MRB
	"	1+50W	5% fgy, clay/silt											B	20	↘				MRB
	"	1+75W	10% fgy, clay/silt											B	25	↘				MRB
	"	2+00W	10% fgy, clay/silt											B	20	↘				MRB
	"	2+25W	15% fgy, clay/silt											B	15	↘				MRB
	"	2+50W	20% org, silt											M	20		↘			DB
	"	2+75W	5% fgy, 10% org, clay/silt											B	25	↘				LRB
	"	3+00W	5% fgy, clay/silt											B	50	↘				DRB
	28+50N	0+25E	10% fgy, silt											B	20	↘				MRB
	"	0+50E	5% fgy, 5% org, sand/silt											B	20	↘				MRB
	"	0+75E	10% fgy, silt											B	25	↘				MRB
	"	1+00E	10% org, silt											B	20	↘				MRB
	"	1+25E	Talus.											T			↘			
	"	1+50E	10% fgy, silt											B	25	↘				MRB
	"	1+75E	25% fgy, sand/silt											B	15	↘				LRB
	"	2+00E	20% fgy, 5% org, clay/silt											B	25	↘				LRB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: Paradigm #082 — Results Plotted By: _____

Area (Grid): 1600' Contour Mikail 2 — Map: _____ N.T.S.: _____

Collectors: Scott Thompson 90ST 082 — Date _____

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged -	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development Good	Soil Data: Horizon Development Poor	Soil Data: Parent Material Drift	Soil Data: Parent Material Bedrock	Soil Data: Colour
S 017	1600'	15+50	10% Rock Frags					✓						B		✓				MRB
S 018		16+00	10% " "					✓						B		✓				MRB
S 019		16+50	10% " "					✓						B		✓				MRB
S 020		17+00	10% " "					✓						B		✓				MRB
S 021		17+50	10% " "					✓						B		✓				MRB
S 022		18+00	10% " "					✓						B		✓				MRB
S 023		18+50	10% " "					✓						B		✓				DRB
S 024		19+00	5% " "					✓						B		✓				DRB
S 025		19+50	<5% " "					✓						B		✓				DRB
S 026		20+00	<5% " "					✓						B		✓				DRB
S 027		20+50	" "					✓						B		✓				DRB
S 028		21+00	" "					✓						B		✓				MRB
S 029		21+50	" "					✓						B		✓				MRB
S 030		22+00	" "					✓						B		✓				LRB
S 031		22+50	" "					✓						B		✓				RRB
S 032		23+00	<10% Rock Frags " "					✓						B		✓				RRB
S 033		23+50	" "					✓						B		✓				MRB
S 034		24+00	" "					✓						B		✓				MRB
S 035		24+50	" "					✓						B		✓				DRB
S 036		25+00	<5% Rock Frags " "					✓						B		✓				MRB
S 037		25+50	" "					✓						B		✓				DRB
S 038		26+00	" "					✓						B		✓				LRB
S 039		26+50	" "					✓						B		✓				DRB
S 040		27+00	" "					✓						B		✓				DRB
S 041		27+50	" "					✓						B		✓				MRB
S 042		28+00	" "					✓						B		✓				MRB
S 043		29+50	" "					✓						B		✓				DRB
S 044		29+00	" "					✓						B		✓				DRB
S 045		29+50	" "					✓						B		✓				DRB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: ~~Mitaka~~ # 082, PARADIGM 2 — Results Plotted By: _____

Area (Grid): L 24+00 NORTH GRID. — Map: _____ N.T.S.: _____

Collectors: Scott Thompson 90ST#082 — Date _____

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Elevation	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy muddy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
004	L24+00N	0+00W	5-10% rock frag	3420'					✓						B		✓				LRB
005		0+25W	15% " "	3420'					✓						?			✓			PRB
006		0+50W	75% " "	3460'					✓						B		✓				MRB
007		0+75W	meadow	3420'					✓						B		✓				MRB
008		1+00W	"	3410'										✓	B		✓				MRB
009		1+25W	" "	3340'										✓	B		✓				MRB
010		1+50W	" "	3260'										✓	B		✓				MRB
011		1+75W	" "	3230'										✓	B		✓				MRB
012		2+00W	" "	3210'											B		✓				DRB
013		2+25W	50% rock frag	3170'					✓						?			✓			Brown
014		2+50W		3130'					✓						B	30cm	✓				MRB
015		2+75W		3090'					✓						B		✓				MRB
016	↓	3+00W	15% rock frag	3050'					✓						?	&		✓			DRB
017		3+25W		2990'					✓							15					
018		3+50W	N/S Cliffed out																		MRB
019	L24+00W	0+25E		3430'					✓						?			✓			DRB
020		0+50E		3415'					✓						B	Between	✓				MRB
021		0+75E		3380'										✓	B		✓				DRB
022		1+00E		3380'	✓				✓						B		✓				MRB
023		1+25E		3380'					✓						B		✓				MRB
024	↓	1+50E		3400'					✓						B		✓				MRB
025		1+75E	30% Rock Frag	3440'					✓						B		✓				DRB
026		2+00E		3420'										✓	B		✓				MRB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: Paradigm #082
Area (Grid): 1800 contour Mikail 2
Collectors: Scott Thompson 905T 082

Results Plotted By:
Map: N.T.S.:
Date

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
S100	1800	0+00	0% Rock Fragments											B		/				MRB
S101		0+50	0% " "											B		/				MRB
S102		1+00	0% " "											B		/				MRB
S103		1+50	0% " "											B		/				MRB
S104		2+00	15% " "											B		/				MRB
S105		2+50	0% " "											B		/				MRB
S106		3+00	2% " "											B		/				MRB
S107		3+50	0% " "											B		/				MRB
S108		4+00	0% " "											B	40 cm	/				MRB
S109		4+50	0% " "											B	40	/				MRB
S110		5+00	0% " "											B	40	/				MRB
S111		5+50	0% " "											B	40	/				MRB
S112		6+00	0% " "											B	25	/				MRB
S113		6+50	0% " "											B	25	/				MRB
S114		7+00	20% " "											B		/				MRB
S115		7+50	0% " "											B		/				MRB
S116		8+00	0% " "											B		/				MRB
S117		8+50	0% " "											B		/				MRB
S118		9+00	0% " "											B		/				MRB
S119		9+50	1% " "											B	Between	/				MRB
S120		10+00	0% " "											B		/				MRB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: Paradigm #082

Area (Grid): 1900' contour

Collectors: Scott Thompson 90 ST 082

Results Plotted By: _____

Map: _____ N.T.S.: _____

Date _____

Sample Number	Sample Location		Notes	Topography				Vegetation						Soil Data						
	Line	Station		Valley Bottom	Direction of slope	Hill Top	Level Ground	Heavily Wooded	Sparsely Wooded	Burnt	Logged	Grassland	Swampy	Horizon Sampled	Depth to Horizon Sample	Horizon Development: Good	Horizon Development: Poor	Parent Material: Drift	Parent Material: Bedrock	Colour
S011	1900'	5+50	0% rock frag					/						B		/			MRB	
S012		6+00	5% " "					/						B		/			MRB	
S013		6+50	0% " "					/						B		/			MRB	
S014		7+00	5% " "					/						B		/			MRB	
S015		7+50	2% " "					/						B		/			MRB	
S016		8+00	2% " "					/						B		/			MRB	
S017		8+50	0% " "					/						B		/			MRB	
S018		9+00	0% " "					/						B		/			MRB	
S019		9+50	5% " "					/						B		/			MRB	
S020		10+00	0% " "					/						B		/			MRB	
S021		10+50	2% " "					/						B		/			MRB	
S022		11+00	0% " "					/						B		/			MRB	
S023		11+50	15% " "					/						B		/			MRB	
S024															Between 80 cm					

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: PARADIGM 082
Area (Grid): Paradigm 2 Claim (SE corner)
Collectors: S. Thompson

Results Plotted By: S. Thompson
Map: _____ N.T.S.: _____
Date 9-8-90

Sample Number 90ST082	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Alder/Meadow/Moss	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
~~S068046~~	3200	~~0+00~~								✓				B	25	✓		NA	NA	LRB
S069047		25								✓					25	✓				"
~~07~~048		50													25					MRB
~~07~~049		75													30					LRB
~~07~~050		1+00													35					MRB
051		25													20					LRB
052		50													35					BR/GR
053		75													30					LRB
054		2+00													30					MRB
055		25													35					MRB
056		50													25					LRB
057		75													30					DRB
058		3+00													25					DRB
059		25													30					MRB
060		50								"					25					LRB
061		75									✓				30					MRB
062		4+00									✓				35					DRB
063		25								✓					20					MRB
064		50								✓					25					"
065		75								✓					5					"
066		5+00								✓					25					"
067		25								✓	✓				25					"
068		50									✓				25					"
069		75									✓				30					"
070		6+00									✓				20					"
071		25									✓				30					DRB
072		50									✓				30					DRB
073		75									✓				30					DRB
074		7+00									✓				25					DRB
075		25									✓			B	30	✓				DRB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: Paradigm 2 North

Area (Grid):

Collectors: Scott Thompson

Results Plotted By:

Map: N.T.S.:

Date 9·8·90

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt Meadow	Vegetation: Logged Area	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development Good	Soil Data: Horizon Development Poor	Soil Data: Parent Material Drift	Soil Data: Parent Material Bedrock	Soil Data: Colour
905T0825	045 3200	0+00			W					✓				B	25	✓				LRB
046		25			"															"
047		50																		B/MRB
048		75																		LRB
049		1+00													30					MRB
050	3200	25													35					"
051		50													20					"
052		75													35					LRB
053		2+00													30					MRB
054		25																		"
055		50																		LRB
056		75													25					DRB
057		3+00													30					"
058		25													25					M
059	3200	50													30					L
060		75													35					M
061		4+00													30					D
062		25																		M
063		50																		"
064		75									✓				25					"
065		5+00									✓				30					"
066		25									✓				35					"
067	3200	50									✓				30					DRB
068		75									✓				25					MRB
069		6+00									✓				25					"
070		25									✓				20					"
071		50			W						✓				20					"

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: ~~Mikail #~~ 082, PARADIGM 2 — Results Plotted By: _____

Area (Grid): L16+50N North Grid. — Map: _____ N.T.S.: _____

Collectors: Scott Thompson 90ST#082 — Date _____

Sample Number	Sample Location: Line	Sample Location: Station	Notes	elevation	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Slide	Vegetation: Logged –	Vegetation: Alpine Grassland/Meadow	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth in Horizon Sample	Soil Data: Horizon Development – Good	Soil Data: Horizon Development – Poor	Soil Data: Parent Material – Drift	Soil Data: Parent Material – Bedrock	Soil Data: Colour
	L16+50N	0+00E	~~[illegible]~~	3240'									✓		B		✓				DRB
		0+25 E	NO Sample cliff outcrop																		
		0+50 E	NO Sample																		
		0+75 E		3520'				✓					✓		B		✓				DRB
		1+00 E		3520'				✓					✓		B		✓				DRB
		1+25 E	15% Rock Frag	3500'									✓		B		✓				DRB
		1+50 E		3490'									✓		B		✓				DRB
		1+75 E		3450'									✓		B		✓				DRB
		2+00 E	0% Rock Frag	3450'									✓		B		✓				DRB
													✓		B		✓				MRB
	L16+50N	0+25 W		3200'									✓		B		✓				MRB
		0+50 W		3210'									✓		B	30 cm	✓				MRB
		0+75 W		3200'									✓		B		✓				MRB
		1+00 W		3220'									✓		B		✓				MRB
		1+25 W		3170'									✓		B		✓				MRB
		1+50 W		3150'									✓		B		✓				MRB
		1+75 W		3140'									✓		B		✓				MRB
		2+00 W		3110'									✓		B		✓				MRB
		2+25 W		3090'									✓		B		✓				MRB
		2+50 W	25% Rock Frag	3070'						✓					B		✓				DRB
		2+75 W		2980'									✓		B		✓				MRB
		3+00 W		2920'									✓		B		✓				DRB
		3+25 W		2880'						✓					B	Between	✓				DRB
		3+50 W	Ravine	2830'							✓		✓		?			✓			DRB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: Paradigm # 082
Area (Grid): 1600' Contour
Collectors: Scott Thompson 90ST 082

Results Plotted By:
Map: N.T.S.:
Date July 26/90

Sample Number	Sample Location		Notes	Topography				Vegetation						Soil Data						
	Line	Station		Valley Bottom	Direction of slope	Hill Top	Level Ground	Heavily Wooded	Sparsely Wooded	Burnt	Logged	Grassland	Swampy	Horizon Sampled	Depth to Horizon Sample	Horizon Development: Good	Horizon Development: Poor	Parent Material: Drift	Parent Material: Bedrock	Colour
S001	1600'	0+00	5% rock frag					/						B	40cm	/				LRB
002		0+50	5% " "					/						B	40cm	/				MRB
003		1+00	2% " "					/						B	40cm	/				DRB
004		1+50	2% " "					/						B	40cm	/				DRB
005		2+00	25% " "					/						B	40cm	/				MRB
006		2+50						/						B	40cm	/				MRB

130°33'

56°36'

PARADIGM 2

HARRYMEL CREEK

ICEFIELD

Krista Lake

30+00 N
28+50 N
27+00 N
25+50 N
24+00 N
22+50 N
21+00 N
19+50 N
18+00 N
16+50 N
15+00 N
13+50 N

BL 0+00
1+00 W
2+00 W
3+00 W
1+00 E
2+00 E

2000
2500
3000
3500

LEGEND

Volcanic Sedimentary Rocks

Pleistocene to Recent

8 — Basalt flows and tephra: dark brown to black, minor pillow lavas

Lower Jurassic (Pliensbachian to Toarcian)

3 — Betty Creek Formation: pyroclastic-epiclastic sequence; heterogeneous, grey-green massive to bedded, pyroclastics and sedimentary rocks (black, thinly bedded siltstone, shale, and argillite)

- 3a. Green and grey massive to poorly bedded andesite
- 3t. Black thinly bedded siltstone, shale, and argillite
- 3f. White weathering, felsic tuffs and breccias with quartz stringers

Upper Triassic to Lower Jurassic (Norian to Sinemurian)

2 — Unuk River Formation: andesite sequence; green and grey, intermediate to mafic volcaniclastics and flows, with locally thick interbeds of fine-grained immature sediments, minor conglomerates, and limestone

Upper Triassic (Carnian to Norian)

1 — Stuhini Group: brown, black, grey; mixed sedimentary rocks (siltstone, shale, argillite, limestone, chert), with minor mafic to intermediate volcanics and volcaniclastic rocks

Intrusive Rocks

Tertiary

15 — Post-Tectonic Dykes

13a — King Creek Dyke Swarm: feldspar porphyry dacite, andesite, diabase, and hornblende to quart diorite; limits of the unit shown indicate where the dykes exceed 50% of the exposed bedrock

13c — Hawilton Monzonite - fine grained monzonite

12 — Coast Plutonic Complex: hornblende-biotite-quartz diorite to granodiorite.

Jurassic

9 — Unuk River Diorite Suite:
- a) Max: biotite-hornblende diorite, quartz diorite, granodiorite
- b) Metvella: hornblende-biotite diorite, quartz diorite

Metamorphic Rocks

Metamorphic equivalents of Units 1, 2, or 3

8 —
- a) hornblende, mylonite gneiss, mylonite
- b) Unuk-Harrymel Fault Zone, strongly sheared rock within fault zone

SYMBOLS

- Geological contact
- Fault
- Outcrop
- Bedding (inclined, vertical)
- Foliation
- Cliff
- Swamp
- Rock sample
- Rock float sample

Rock Geochemistry

(257, 38.1, 1289) = (Au ppb, Ag ppm, As ppm)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,624

0 100 200 300 400 500 m

LOKI GOLD CORPORATION

PARADIGM PROJECT
PARADIGM 2 CLAIM
GEOLOGY
and
ROCK GEOCHEMISTRY

(1)

DATE: OCT. 1990	NTS: 104B/10E
PROJECT: PARADIGM	BY: A.M. Gibson
SCALE: 1:5,000	
Keewatin Engineering Inc.	MAP No. 1a

MIKHAIL 2

HARRYMEL CREEK

Argillite intermed tuff

Pillowed andesite

Andesite Fragmental

Andesite brisy

Pillowed andesite

Intermed tuffs and flows

Carbonate alteration with silicification

showing

(9, 0.8, 21)
(<9, 0.8, 9)
(29, 0.6, 29)

(9, 0.8, 21)
(18, 1.0, 29)

(8, 0.9, 39)

(<9, 0.7, 6)

(<9, 0.2, 269)

(14, <0.2, <5)

(20, 0.8, 81)

(<5, 0.9, 111)
(<9, 0.6, <9)
(7, 0.8, 99)

(<9, 0.8, 35)

(<9, 0.7, 10)
(<9, 0.4, <9)

133°33'

56°33'

3000

2500

2000

1500

1000

500

2000

1500

1000

500

N

0 100 200 300 400 500 m.

LEGEND

Volcanic Sedimentary Rocks

Pleistocene to Recent

6 Basalt flows and tephra: dark brown to black, minor pillow lavas

Lower Jurassic (Pliensbachian to Toarcian)

3 Betty Creek Formation: pyroclastic-epiclastic sequence; heterogeneous, grey-green massive to bedded, pyroclastics and sedimentary rocks (black, thinly bedded siltstone, shale, and argillite)

- 3a. Green and grey massive to poorly bedded andesite
- 3t. Black thinly bedded siltstone, shale, and argillite
- 3f. White weathering, felsic tuffs and breccias with quartz stringers

Upper Triassic to Lower Jurassic (Norian to Sinemurian)

2 Unuk River Formation: andesite sequence; green and grey, intermediate to mafic volcaniclastics and flows, with locally thick interbeds of fine-grained immature sediments, minor conglomerates, and limestone

Upper Triassic (Carnian to Norian)

1 Stuhini Group: brown, black, grey; mixed sedimentary rocks (siltstone, shale, argillite, limestone, chert), with minor mafic to intermediate volcanics and volcaniclastic rocks

Intrusive Rocks

Tertiary

5 Post-Tectonic Dykes

5a King Creek Dyke Swarm: feldspar porphyry dacite, andesite, diabase, and hornblende to quart diorite; limits of the unit shown indicate where the dykes exceed 50% of the exposed bedrock

5a Hawilton Monzonite - fine grained monzonite

12 Coast Plutonic Complex: hornblende-biotite-quartz diorite to granodiorite.

Jurassic

9 Unuk River Diorite Suite:

- a) Max: biotite-hornblende diorite, quartz diorite, granodiorite
- b) Melville: hornblende-biotite diorite, quartz diorite

Metamorphic Rocks

Metamorphic equivalents of Units 1, 2, or 3

8 a) hornblende, mylonite gneiss, mylonite
b) Unuk-Harrymel Fault Zone, strongly sheared rock within fault zone

SYMBOLS

- Geological contact
- Fault
- Outcrop
- Bedding (inclined, vertical)
- Foliation
- Cliff
- Swamp
- Helipad
- Rock sample

ROCK GEOCHEMISTRY

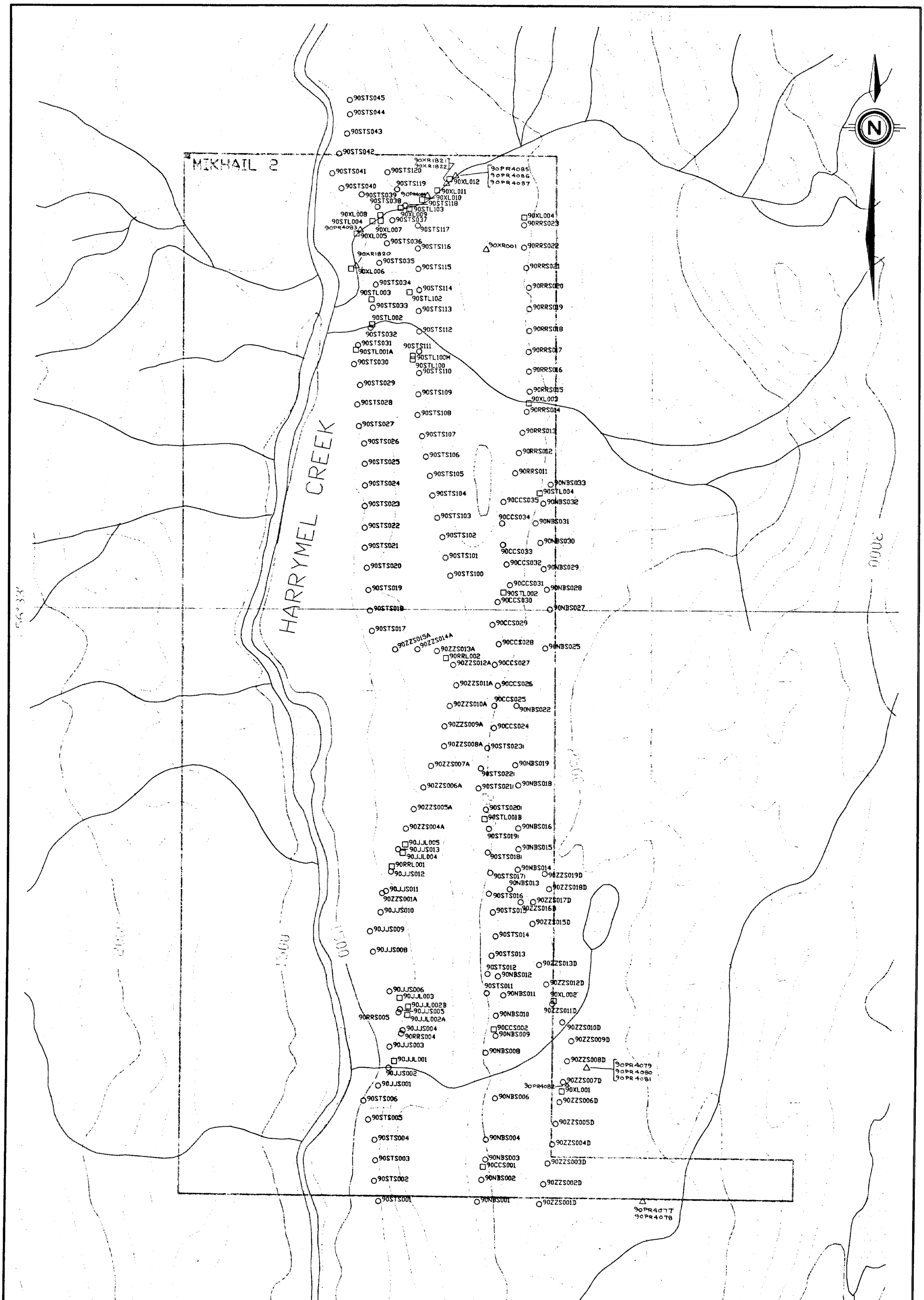
(Zn, 0.8, Bi) = (Au ppb, Ag ppm, As ppb)

LOKI GOLD CORPORATION

PARADIGM PROJECT
MIKHAIL 2 CLAIM
GEOLOGY
and
ROCK GEOCHEMISTRY

(2)

DATE: OCT. 1990	NTS: 104B/10E
PROJECT: PARADIGM	BY:
SCALE: 1:5,000	
Keewatin Engineering Inc.	MAP No. 1b



GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,624

Legend

- o Soil Sample
- □ Silt Sample
- △ Rock Sample
- ◊ Rock Float Sample
- 90STS001 Sample Number

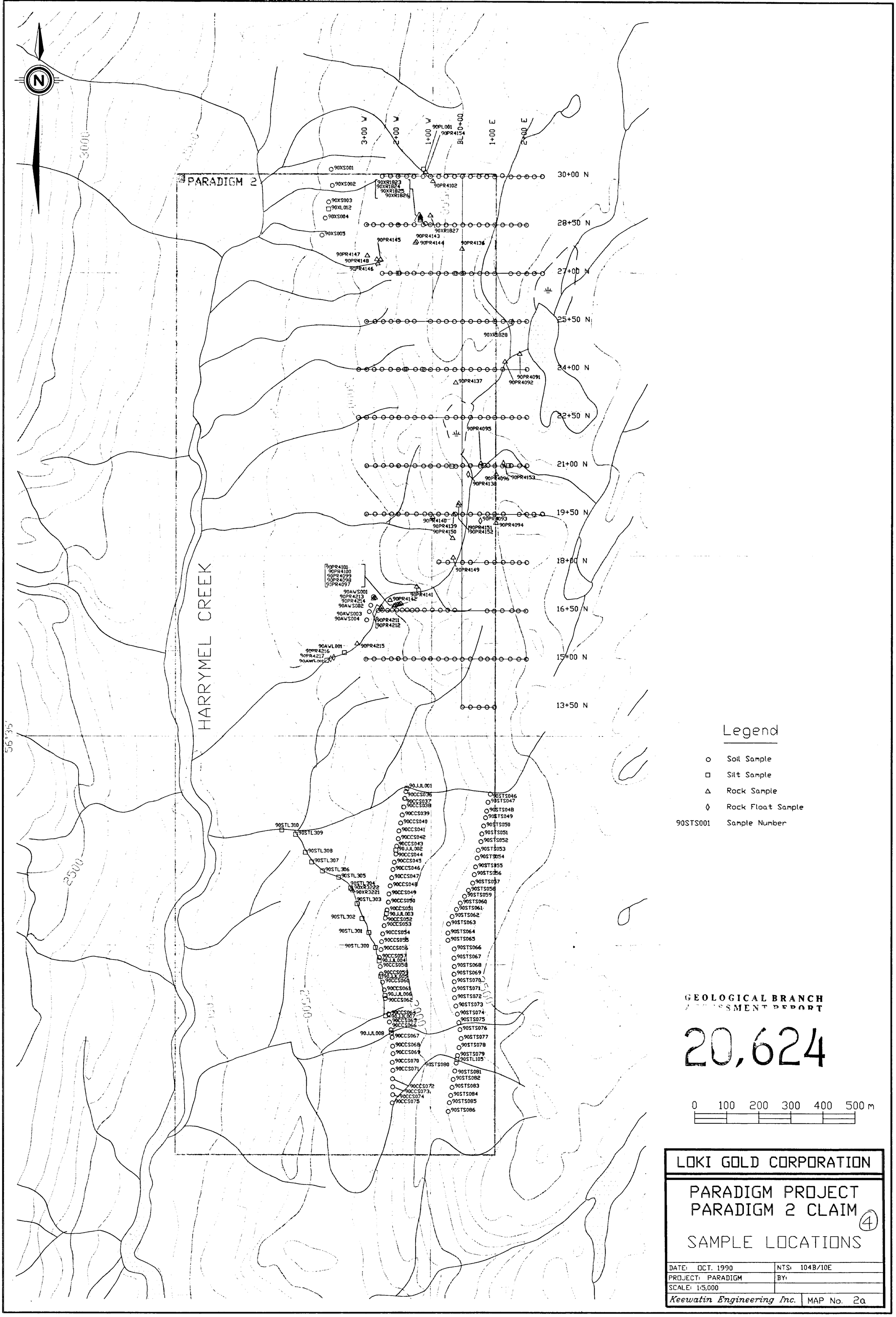
0 100 200 300 400 500 m

LOKI GOLD CORPORATION

PARADIGM PROJECT
MIKHAIL 2 CLAIM (3)

SAMPLE LOCATIONS

DATE: OCT. 1990	NTS: 104B/10E
PROJECT: PARADIGM	BY:
SCALE: 1:5,000	
Keewatin Engineering Inc.	MAP No. 2b



Legend

- Soil Sample
- Silt Sample
- Rock Sample
- Rock Float Sample
- 90STS001 Sample Number

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,624

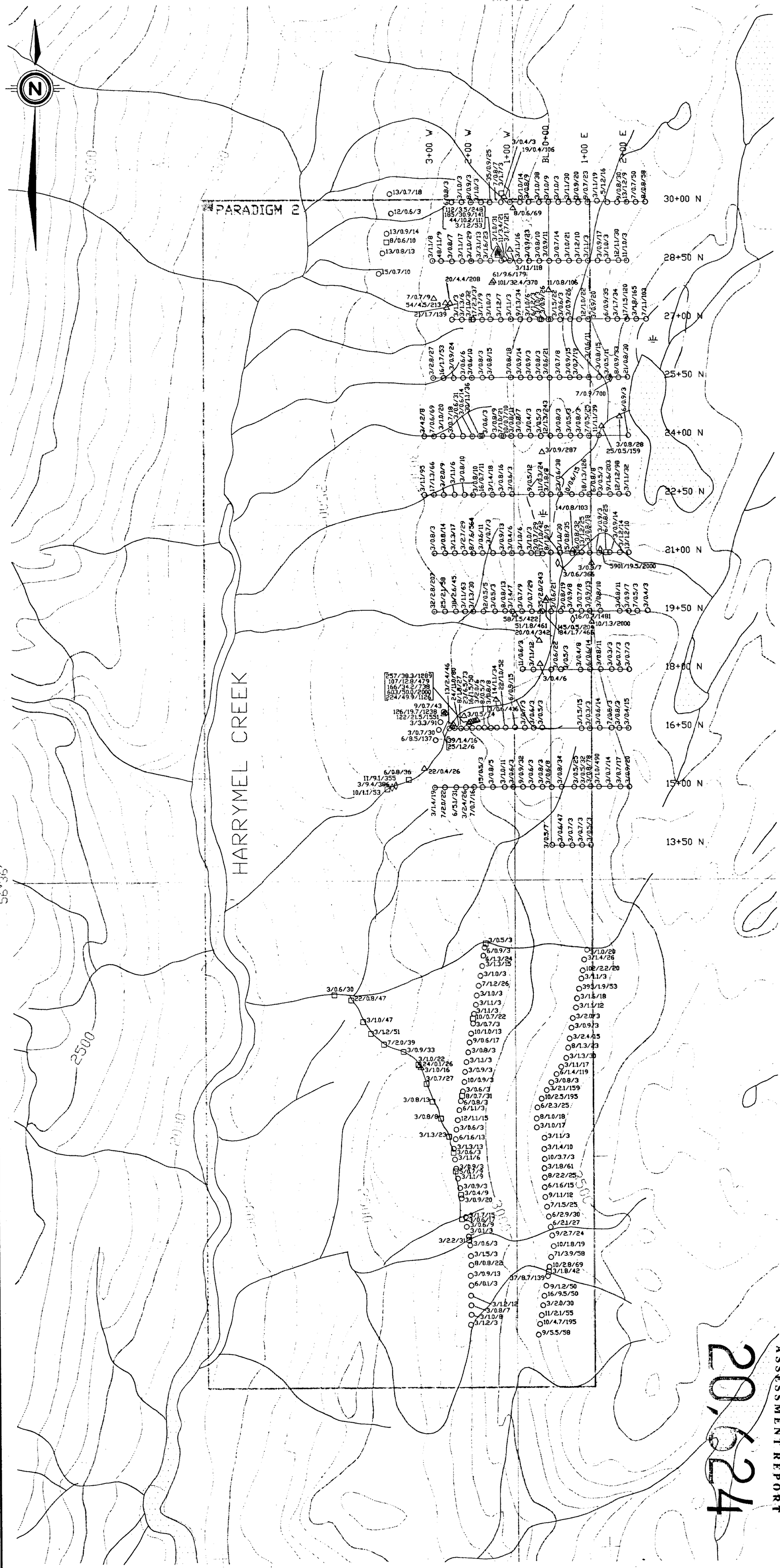
0 100 200 300 400 500 m

LOKI GOLD CORPORATION

PARADIGM PROJECT
PARADIGM 2 CLAIM (4)

SAMPLE LOCATIONS

DATE: OCT. 1990	NTS: 104B/10E
PROJECT: PARADIGM	BY:
SCALE: 1:5,000	
Keewatin Engineering Inc.	MAP No. 2a


PARADIGM 2
HARRYMEL CREEK
3+00 W
2+00 W
1+00 W
BL 0+00
1+00 E
2+00 E
30+00 N
28+50 N
27+00 N
25+50 N
24+00 N
22+50 N
21+00 N
19+50 N
18+00 N
16+50 N
15+00 N
13+50 N
56°36'
2500
2000
1500
1000
500
Legend
Soil Sample
Silt Sample
Rock Sample
Rock Float Sample
9/0.6/17 Au(ppb)/Ag(ppm)/As(ppm)
NOTE: Values below the detection limit are plotted as one-half the detection limit.
0 100 200 300 400 500 m
GEOLOGICAL BRANCH ASSESSMENT REPORT
20,624
LOKI GOLD CORPORATION
PARADIGM PROJECT
PARADIGM 2 CLAIM
GEOCHEMISTRY (5)
(Au,Ag,As)
DATE: OCT. 1990
NTS: 104B/10E
PROJECT: PARADIGM
BY:
SCALE: 1:5,000
Keewatin Engineering Inc.
MAP No. 3a

MIKHAIL 2

HARRYMEL CREEK

N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,624

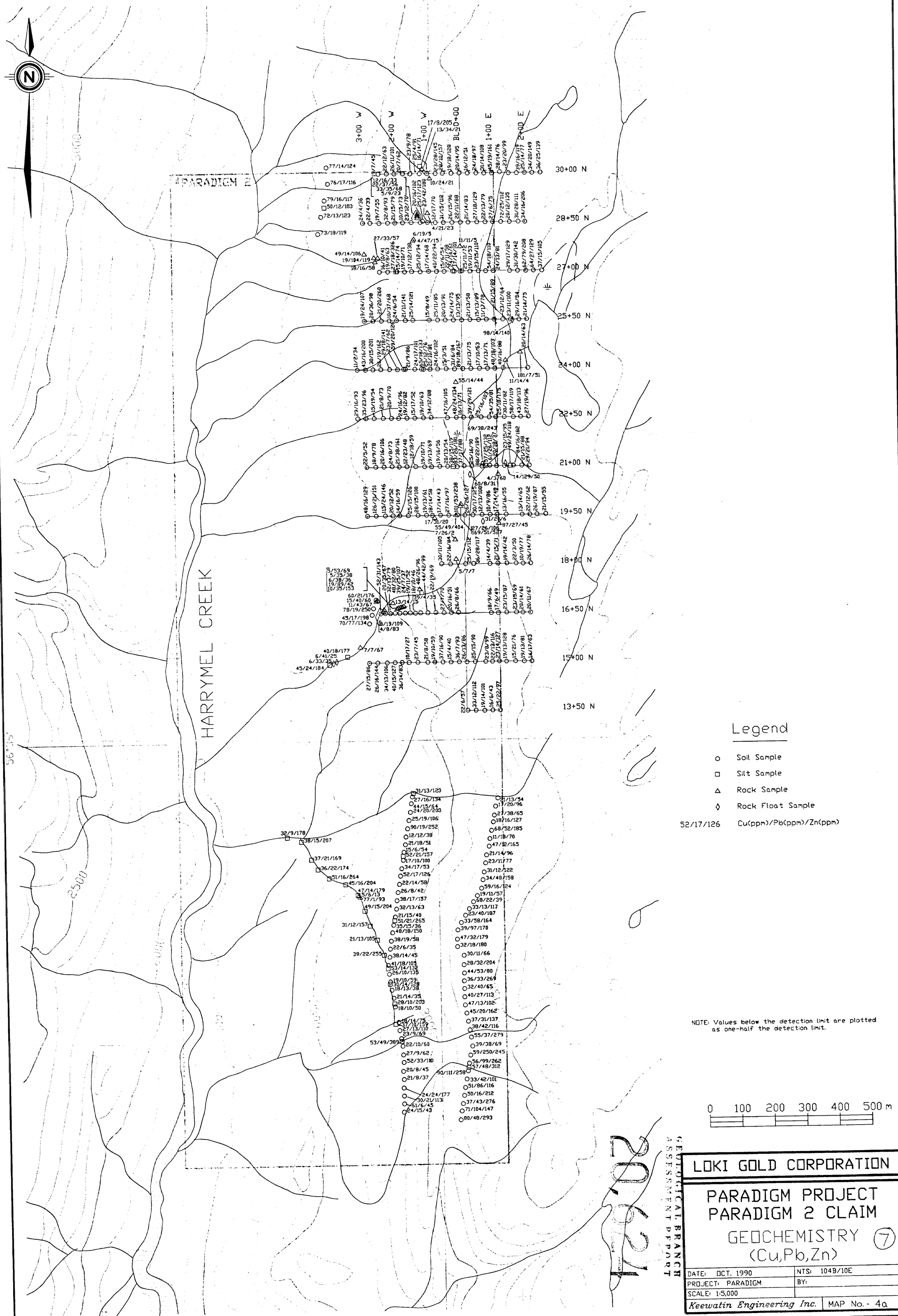
Legend

- o Soil Sample
- □ Silt Sample
- △ Rock Sample
- ◊ Rock Float Sample
- 9/0.6/17 Au(ppb)/Ag(ppm)/As(ppm)

NOTE: Values below the detection limit are plotted as one-half the detection limit.

0 100 200 300 400 500 m

LOKI GOLD CORPORATION	
PARADIGM PROJECT MIKHAIL 2 CLAIM GEOCHEMISTRY (6) (Au,Ag,As)	
DATE: OCT. 1990	NTS: 104B/10E
PROJECT: PARADIGM	BY:
SCALE: 1:5,000	
Keewatin Engineering Inc.	MAP No. 3b


PARADIGM 2
HARRYMEL CREEK
3+00 W
2+00 W
1+00 W
BL 0+00
1+00 E
2+00 E
30+00 N
28+50 N
27+00 N
25+50 N
24+00 N
22+50 N
21+00 N
19+50 N
18+00 N
16+50 N
15+00 N
13+50 N
2500
2600
2700
56°35'
Legend
Soil Sample
Silt Sample
Rock Sample
Rock Float Sample
52/17/126 Cu(ppm)/Pb(ppm)/Zn(ppm)
NOTE: Values below the detection limit are plotted as one-half the detection limit.
0 100 200 300 400 500 m
GEOLOGICAL BRANCH
ASSESSMENT REPORT
LOKI GOLD CORPORATION
PARADIGM PROJECT
PARADIGM 2 CLAIM
GEOCHEMISTRY (7)
(Cu,Pb,Zn)
DATE: OCT. 1990
NTS: 104B/10E
PROJECT: PARADIGM
BY:
SCALE: 1:5,000
Keewatin Engineering Inc.
MAP No. - 4a

MIKHAIL 2

HARRYMEL CREEK

N

Legend

- o Soil Sample
- □ Silt Sample
- △ Rock Sample
- ◊ Rock Float Sample
- 52/17/126 Cu(ppm)/Pb(ppm)/Zn(ppm)

NOTE: Values below the detection limit are plotted as one-half the detection limit.

0 100 200 300 400 500 m

LOKI GOLD CORPORATION

PARADIGM PROJECT
MIKHAIL 2 CLAIM
GEOCHEMISTRY (8)
(Cu,Pb,Zn)

DATE: OCT. 1990	NTS: 104B/10E
PROJECT: PARADIGM	BY:
SCALE: 1:5,000	
Keewatin Engineering Inc.	MAP No. 4b