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GEOLOGICAL, GEOPHYSICAL AND GEOCHEMICAL

REPORT ON THE

IAN PROPERTY

Liard Mining Division, British Columbia NTS 104B/10W & 11E Latitude: 56°-43'N

Longitude: 130°-59'W

Prepared for

BIG M RESOURCES LTD. Vancouver, B.C.

Prepared by

Rex Pegg, BASc., P.Eng. KEEWATIN ENGINEERING INC. #800 - 900 West Hastings Street Vancouver, B.C. V6C 1E5



January 10, 1991

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INTRODUCTION

The Ian property is located within the 'Iskut Gold Camp' which hosts the mesothermal, shear/vein Snip and Skyline deposits. The Snip deposit presently has ore reserves, cut and diluted, of 1.032 million tons grading 0.875 oz/t gold (Vancouver Stockwatch, November 7, 1989). The Ian property is situated approximately 13 km north-northeast of the Snip deposit.

During May of 1990, Keewatin Engineering Inc. was engaged by Big M Resources Ltd. for the purpose of conducting a reconnaissance exploration program on the property. The target was economic gold ± silver ± base metal mineralization.

1. Location, Access, Physiography and Climate

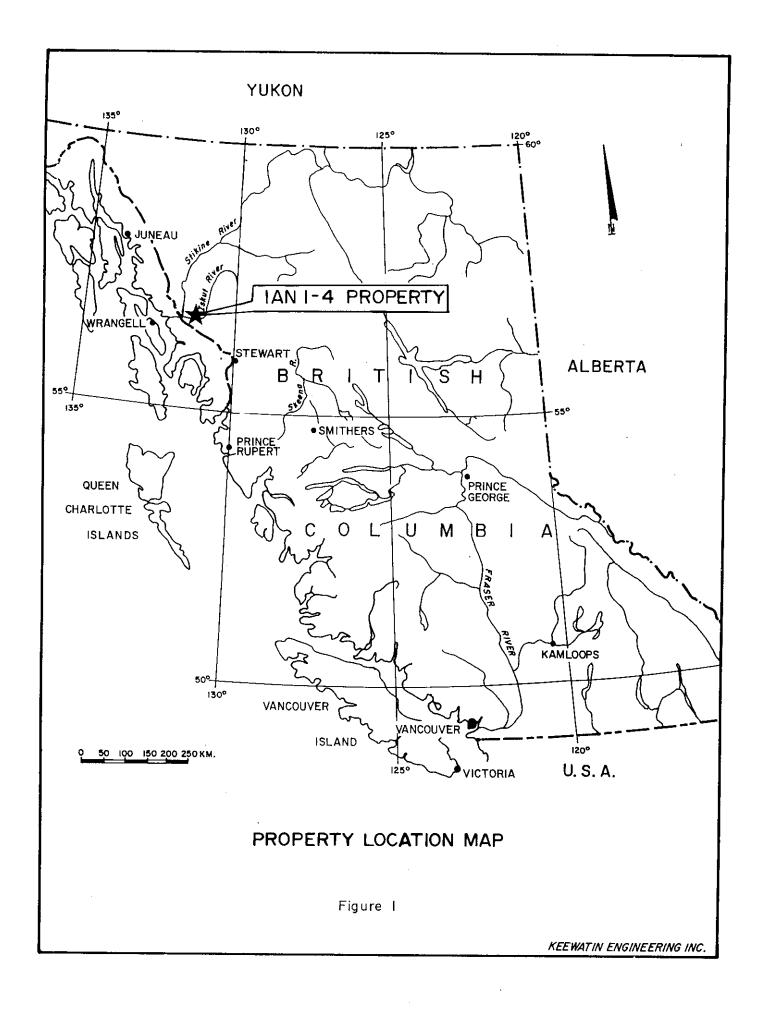
The property is located in northwestern British Columbia, approximately 110 km northwest of the town of Stewart, B.C. (Figure 1). The claims are centred at latitude 56° - 43' North and longitude 130° - 59' West. This is within the 104B/10W and 11E NTS map sheets.

Access is by fixed-wing aircraft from Smithers or Terrace (290 km to the southeast) to the Bronson Creek airstrip. Transprovincial Airlines Ltd. of Terrace provided daily scheduled trips into the area and would land at Bronson on request. Central Mountain Airlines of Smithers serviced the area with trips on Monday, Wednesday and Friday, as well as numerous unscheduled supply flights. Alternative fixed-wing access is from Wrangell, Alaska which is located at tidewater, 80 km to the west of the property. The Bronson Creek airstrip was lengthened to 1,600 metres during 1988 and is now capable of accommodating Hercules aircraft.

Access throughout the property is via helicopter from the airstrip to the helipads and toe-ins established in 1988 and 1990 or to the open areas above treeline, northeast and west of the property.

Future road access to the area will follow the Iskut River Valley from Bob Quinn Lake on the Stewart-Cassiar Highway to Bronson Creek. This road, whose construction was announced by the B.C. government in 1990, will pass within 2 km of the Ian property.

The claims straddle the Verrett River extending north from the Iskut River and range in elevation from less than 100 m along the Iskut River to over 1,060 m on the northern boundary of the Ian 4 claim. The topography is fairly steep, characterized by numerous cliffs and terraces. Most of



the major drainages have deeply incised canyons. The majority of the property is covered by mature spruce and hemlock, with devil's club, huckleberry and slide alder common in several areas.

The climate is typified by cold, snowy winters and warm, wet summers. Snow accumulations at the higher elevations normally exceed five metres.

2. Property Status and Ownership

The property consists of four contiguous mineral claims (80 units). The claims (Figure 2) are located within the Liard Mining Division and their status is summarized below:

TABLE 1: Claim Status											
No. of Record Expir Claim Name Units No. Owner Date Recorded Year											
Ian 1	Ian 1 20 3730 I. Hagemoen		December 5, 1986	1996							
Ian 2	20	3731	I. Hagemoen	December 5, 1986	1996						
Ian 3	20	3732	I. Hagemoen	December 5, 1986	1996						
lan 4	20	3733	I. Hagemoen	December 5, 1986	1996						

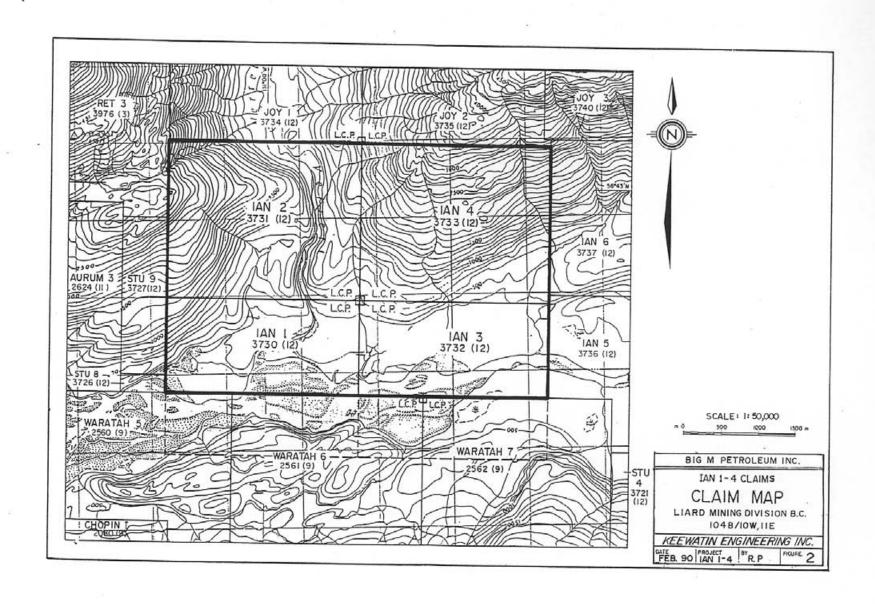
The claims are presently under option to Big M Resources Ltd.

3. <u>History of Exploration</u>

The earliest exploration in the region appears to have been carried out by prospectors who worked their way up to the Iskut River from the Stikine during the early 1900's. During the mid 1960's, several companies explored the area in their search for porphyry copper deposits.

In 1980, DuPont of Canada Exploration Limited staked the BAX claim which covered part of the present Ian property. The claim was to cover an anomalous gold result obtained from a small creek during their regional heavy mineral stream sediment survey. The claim was allowed to lapse in spite of only completing two days of follow-up work. This was probably the result of the dramatic drop in the price of gold and the subsequent demise of the company.

The Ian 1-4 claims were staked in December of 1986.



During 1987, the property was optioned to Ashburton Oil Ltd. who carried out prospecting, geologic mapping and geochemical sampling. The geochemistry consisted of the collection of a total of 36 rock, 18 silt and 2 pan concentrate stream sediment samples.

During 1988, the property was optioned to Big M Petroleum Inc. who conducted a limited geologic mapping, geochemical sampling and prospecting survey. The geochemical survey consisted of the collection of 21 rock, 14 silt and 579 contour soil samples. All of these samples were analyzed for gold and 32 element ICP. Construction of five helipads was also completed. An Aerodat Limited airborne VLF-EM and Mag survey was flown over the property during the spring.

During 1989, Big M carried out a very limited exploration program on the property. This consisted of prospecting, geological mapping and geochemical sampling. A total of 5 rock and 43 soil samples were collected and analyzed for faa gold and a 29 element ICP package.

4. 1990 Work Program Summary

During the period of May to October, Keewatin personnel carried out geological mapping, prospecting and geochemical surveys (see Table 2) on the property. The east side of the property was designated as the focus of exploration. This work included soil, rock and silt sampling, as well as grid and helipad establishment. A number of geochemical anomalies and several previously discovered mineral occurrences were investigated. A re-interpretation of the 1988 airborne VLF-EM and Mag survey was completed prior to the field work.

TABLE 2: Summary of 1990 Field Work								
Type of Work	Description							
Grid Establishment	2.93 line-km compassed, hip chained and blazed/flagged (2 base lines)							
Contour Traverses Approx. 16.685 km hip chained and flagge								
Helipads Established	. 5							
Helicopter Toe-ins Established	9							
Soil Sampling	424 samples							
Silt Sampling	3 samples							
Grab/Chip Sampling	50 samples							

TABLE 2: Summary of 1990 Field Work								
Type of Work Description								
Geochemical Anomaly Investigations	20 (19 soils and 1 silt)							
Geological Mapping and Prospecting	Mostly east of the Verrett River (1:5,000)							
Airborne Geophysics	Re-interpretation of 1988 VLF-EM and Mag							

GEOLOGY

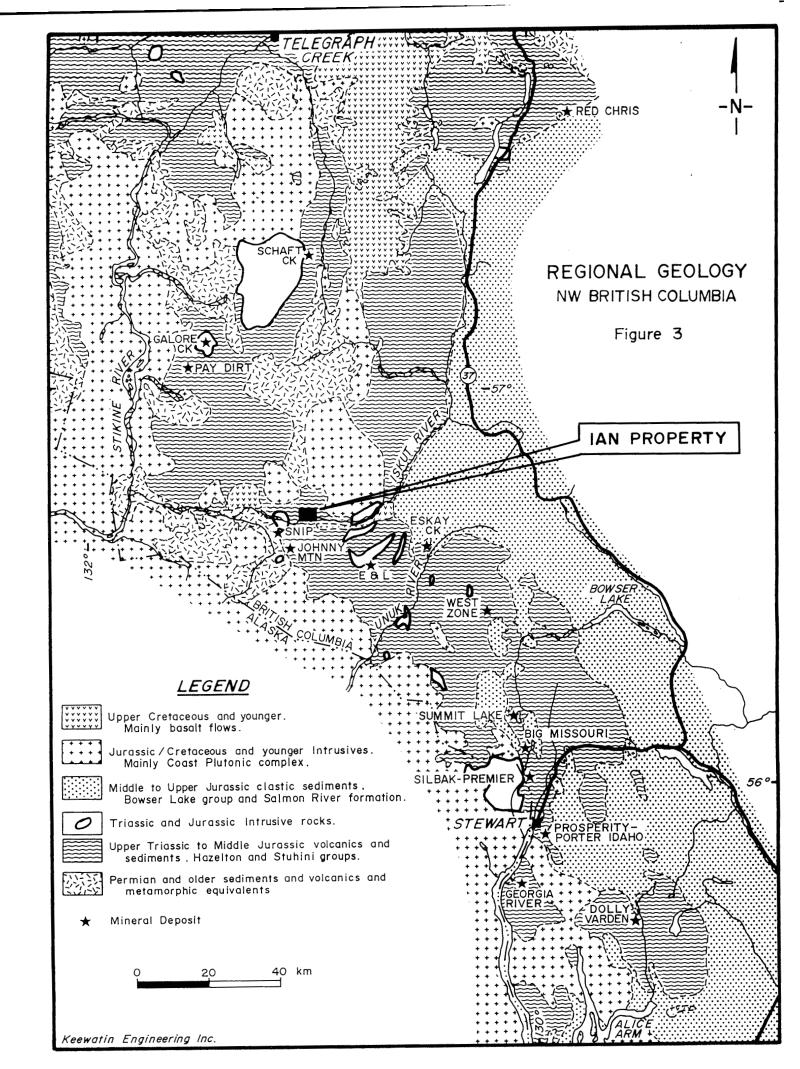
1. Regional Geology (see Figure 3)

The Iskut River area lies within the Intermontane tectono-stratigraphic belt - one of five, parallel, northwest/southeast trending belts which comprise the Canadian Cordillera. This belt of Permian to Middle Jurassic volcanic and sedimentary rocks defines the Stikinia/Stikine terrane. This is bounded on the west by the Coast Plutonic Complex and overlapped on the east by sediments of the Bowser Basin. The belt has been intruded by at least four episodes of plutonic rocks, from Late Triassic to Oligocene-Miocene.

Recently released geologic mapping by the BCDM and GSC indicates considerable confusion as to the age of the strata underlying the property. Mapping by Anderson (1988) and by Caulfield (1988) indicates that the eastern portion of the property is predominantly underlain by an Upper Triassic volcanosedimentary sequence. Work by Alldrick et al. (1990) to the west also revealed an Upper Triassic sequence which would trend into the property. Mapping by Read et al. (1989) and Logan et al. (1990) interpreted the eastern strata as being Paleozoic in age. The intrusive bodies in the claim area have been classified as Jurassic in age (Logan et al., 1990).

2. Property Geology

The majority of the Ian property, east of the Verrett River, is underlain by intermediate pyroclastics and flows. These consist of ash to crystal tuffs, lithic and lapilli tuffs and tuff breccias. Locally, fine grained and clastic sediments were observed interbedded with the volcanics. This volcanosedimentary package has been disrupted by a variety of intrusive bodies. The various rock types underlying this side of the Verrett River are described, briefly, as follows:



Volcanics

These rocks are characteristically a medium to dark green colour and are widespread in this area. The pyroclastics are dominantly polylithic, with their subangular to subrounded fragments ranging from 0.5 to 10 cm in diameter. Monolithic feldspar porphyritic flow breccias were observed within the Ian 2 claim, beside the Verrett River. These porphyritic rocks exhibit 1 to 5 mm long, subhedral to euhedral feldspar phenocrysts and minor, rounded porphyry fragments in a fine grained, dark green groundmass. The ash tuffs are locally cherty and well laminated. The tuffs typically host small (<1 mm) pyroxene and hornblende phenocrysts.

South of the Iskut River, in the southeast corner of the property, large float blocks of vesicular to scoracious olivine basalt were discovered. These rocks are magnetic and host 1 to 2 mm olivine phenocrysts and plagioclase grains, up to 1 cm in length. The basalts are probably Quaternary in age.

<u>Sediments</u>

Limestones and grey to buff coloured argillites, cherts and lesser greywackes and sandstones were observed within the volcanic package. The limestone is white to creamy grey in colour, crystalline and locally fossiliferous. It is usually interbedded with pale to medium grey-green, limey tuffs.

Intrusions

A number of diorite, monzodiorite and feldspar porphyry stocks and dykes have cut the volcanic strata. Several of the dioritic dykes are hornblende porphyritic with crystals up to 1 cm long. A few of the feldspar porphyries exhibit orthoclase crystals up to 2.5 cm long and are locally calcareous.

The west side of the Verrett River appears to be extensively underlain by feldspar porphyritic crystal tuffs. Intermediate, siliceous ash tuffs, lapilli tuffs and agglomerates become increasingly more abundant to the east. Crystal tuffs and cherts are intermixed with the pyroclastics. A few small dioritic dykes were also observed. Dirty, clastic limestone conglomerates and crinoidal limestones with narrow, pyritic, green ash tuff interbeds were noted near the steep banks of the Verrett River.

These limestones are of probable Permian age. Field personnel also noted gossanous, hornfelsed argillites cut by a few dioritic dykes in the northwest corner of the property.

3. Mineralization

Minor amounts of sulphide mineralization, in the form of disseminations, fracture/shear fillings and local hornfels zones were observed on the Ian property.

Trace amounts of disseminated pyrite is common to most rock types. The disseminations are found in amounts up to 3% in the cherty ash tuffs, which form interbeds with the limestones. Sulphides are occasionally concentrated within the few, discontinuous shear structures noted within the volcanics. These structures are narrow (<50 cm wide) and locally, contain irregular quartz (± carbonate) lenses, some of which are mineralized. Pyrite disseminations and fracture fillings, up to 25%, and minor chalcopyrite and malachite have been observed locally. In the northwest corner of the property, field personnel noted a hornfelsed sediment, with up to 25% pyrite-pyrrhotite, which appears to be related to diorite dyking. It should also be noted that the copper-zinc rich rock samples collected during 1987, from the northeast corner of the property, are in fact float samples. The source of these samples appears to be a skarn zone which outcrops upslope, on the Joy property.

The only other mineralization of note are the magnetite-hematite rich, fine grained volcanics/sediments observed in the south-central and north-central portion of the Ian 4 claim. Magnetite, as pods and veinlets measuring up to 2 by 5 cm, is found within these silicified (hornfelsed?) rocks. Only very minor amounts of pyrite were noted.

4. Structure and Alteration

The numerous, northeast to northwest trending drainages and airphoto lineaments probably reflect underlying structures. One of the major structures, the "Handel Break", appears to cross Snippaker Mountain, to the south, crosses the Iskut River and follows the southwesterly flowing creek on the east side of the property. A lack of bedrock exposures hampered confirmation of this interpretation. Another major structure appears to follow the Verrett River. Much of this river valley forms a gossanous gorge but the extremely steep slopes eliminated the possibility of investigation. The major, south flowing creek in the northeast portion of the property follows a right lateral fault structure which has a displacement of 6 to 7 metres. Subsidiary splays off this structure

are found oriented at 260°-270°/48°-70° N. The measured bedding attitudes from strata throughout the property are few and extremely variable.

Much of the property's volcanic strata display a widespread, weak to moderately intense propylitic alteration. Local silicification and carbonate alteration of the tuffs and hornfelsing of the sediments was also observed.

GEOCHEMISTRY

1. Sampling

A total of 424 soil, 3 silt and 50 rock samples were collected during the 1990 field season.

The majority of the soil samples (see Appendix 3) were collected at fifty metre intervals along contour lines, spaced, approximately, 150 to 300 metres apart, horizontally. These lines were done to "infill" the existing soil sample coverage. Follow-up soil sampling of anomalous soil results included duplicate samples and surrounding soils at 12.5 metre east-west intervals on lines spaced 25 metres apart (see Appendix 5). Generally, the soils were collected from the "B" horizon with the use of a long handled shovel.

The silts were collected from the active portion of the sampled drainage on the eastern side of the property.

The rocks represent grab/chip samples of mineralized and/or altered/veined outcrops and boulders observed during the course of geological mapping and prospecting.

2. Analysis

All of the samples were shipped to Min-En Laboratories in Smithers for preparation and then to their lab in North Vancouver for analysis. This analysis consisted of faa Au and an eight element ICP package (Ag, As, Cu, Mo, Pb, Sb, Zn and Hg).

3. Discussion of Soil Horizon Development

Soil horizons on the Ian property are moderately to poorly developed. The 'B' horizon is typically dark brown in colour, found at depths of 15 to 44 cm and contains abundant rock fragments.

The terrain within the property consists mainly of steep slopes, with numerous talus fields and terraces. As a result, colluvium and groundwater seeps are fairly widespread. At one locality, a 2 cm thick, white ash layer was observed within the 'B' horizon, at a depth of 15 cm.

4. Description and Discussion of Results

Soil sampling on the east side of the Verrett River returned a number of geochemically anomalous to elevated values. Results of up to 968 ppb gold, 5.8 ppm silver, 589 ppm arsenic, 762 ppm copper, 2884 ppm lead, 6,234 ppm zinc, 7 ppm antimony, 34 ppm molybdenum and 3,205 ppb mercury were obtained. The areas which returned the higher soil values underwent further investigation. This work included prospecting, geological mapping and detailed soil sampling (Table 3 and Appendix 5). In a number of instances, the original results could not be duplicated. In nearly all cases, no source for the high soil results could be located. The few rock samples collected from these areas returned results at background levels. The combination of the property's steep slopes, numerous topographic depressions and swampy terraces appears to indicate that transported soils and groundwater may have resulted, at least in part, in local and erratic concentrations of the various elements.

	TABLE 3: Soil Anomaly Investigations										
Location (Year)	Original Result (Duplicate Result)	Remarks									
375E/28+75W (1988)	152 ppm Pb, 328 ppm Zn	poor soil development, no source found, area of diorite/monzodiorite									
375E/24+25W (1988)	105 ppb Au	poor soil development; narrow silicified fractures in monzodiorite with up to 10% pyrite (rock ran 4 ppb Au, 27.0 ppm Ag and 2,991 ppm Zn)									
575E/18+00W (1988)	230 ppb Au, 120 ppm As	poor soil development; in area of dark grey/black tuff with minor pyrite fracture filling; no source found									
575E/17+25W (1988)	850 (1) ppm As, 62 (34) ppm Pb	station located on outcrop of fine-grained, grey ash tuff; no source found									

	TABLE 3:	Soil Anomaly Investigations
Location (Year)	Original Result (Duplicate Result)	Remarks
660M/2+00E (1990)	90 (1) ppb Au, 3.5 (4.5) ppm Ag	surrounding soils' Au results at background levels; area of lapilli tuffs with no significant mineralization
660M/3+00E (1990)	4.0 (5.8) ppm Ag	soil site located in gully; surrounding soils' silver results at background levels; area of lapilli tuffs; no source found
770E/10+25E (1987)	60 (43) ppb Au	poorly developed soils; soil results upslope and downslope are low in gold; nearby small exposures of silicified ash tuff and diorite
775E/8+50E (1988)	105 (1) ppb Au	poorly developed soil; area of fine-grained andesite with minor quartz veinlets and trace amounts of pyrite; no source found
825M/1+00W (1990)	4.0 (5.7) ppm Ag	surrounding soil results are lower in Ag; exposures of lapilli tuff with up to 4% pyrite, in the area; no source found
825M/2+50W (1990)	4.3 (5.6) ppm Ag	three nearby soils ran 4.5, 4.8 and 5.2 ppm Ag; 30 m upslope is magnetite/hematite rich, fine-grained volcanic(?) - rock sample from this unit ran 0.2 ppm Ag; depressions near anomalous soil site may reflect underlying structures; no source found
825M/10+50E (1990)	225 ppb Au	poorly developed soil with rock fragments; soils upslope are anomalous but lower (75, 102 and 185 ppb Au); results downslope are at background levels; exposures of silicified ash tuff with trace amounts of pyrite just downslope of anomaly site; green tuff talus upslope; no source found
970M/1+50W (1990)	98 (1) ppm As	soil downslope ran 75 ppm As but other surrounding soil results were 1 ppm; anomaly site near small depression which might indicate groundwater concentration; site also near possible contact of limestones with ash tuffs; soil at 970M/1+75W ran 147 ppb Au and soil at 955M/1+25W ran 590 ppb Au, all others at background Au levels
970M/4+50W /5+00W	57(11) ppb Au 34 (36) ppb Au	area mostly underlain by lapilli and ash tuffs, upslope of contact with monzodiorite; rock sample, upslope, of a silicified tuff with 1-3% pyrite ran 2 ppb Au; no source found

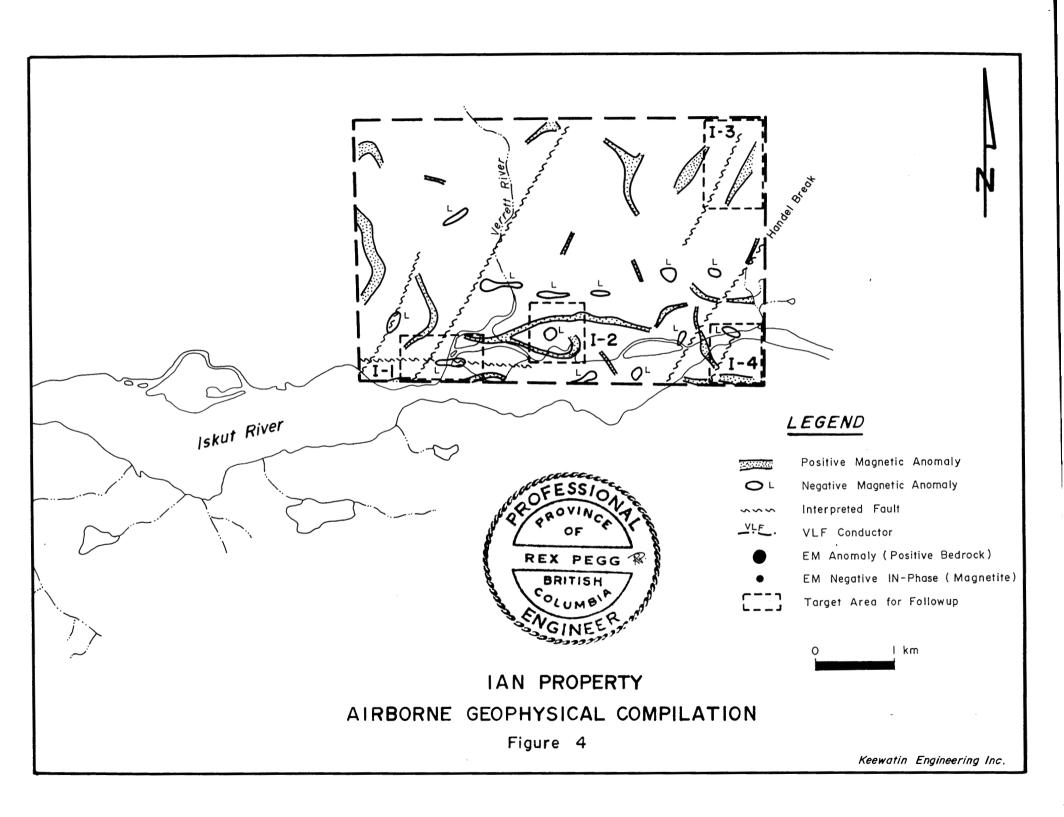
TABLE 3	TABLE 3: Soil Anomaly Investigations											
Location Original Result (Year) (Duplicate Result)	Remarks											
970M/4+50E, /5+00E, /5+50E (1990) 5.2 (0.8) ppm Ag 40 (1) ppb Au 53 (77) ppb Au, 5.6 (4.5) ppm Ag, 589 (340) ppm As	area investigated twice; numerous detailed soils collected in this area from 950 to 1050 metre elevation; area underlain by limestone on the west, tuff on the east and separated by interbedded limestone and tuff; soil results indicated some elevated to anomalous values of Pb and Zn from the area underlain by limestone, especially at 970M/4+25E which ran 2884 ppm Pb and 6234 ppm Zn (duplicate ran 698 ppm Pb and 1472 ppm Zn); soil at 100M/5+00E ran 968 ppb Au, at 970M/4+25E ran 168 ppb Au (duplicate ran 1 ppb Au) and at 950M/4+75E ran 148 ppb Au; soils upslope returned background levels of Au and no significant mineralization was observed; skarn mineralization was observed up the creek to the north within the Joy property (possible source?)											

The three silt samples were collected from the same creek in the northeast portion of the property. Their results are generally at background levels, ranging up to 8 ppb gold, 1.7 ppm silver, 21 ppm arsenic, 35 ppm copper, 32 ppm lead, 225 ppm zinc, 2 ppm antimony, 9 ppm molybdenum and 155 ppb mercury.

The rock sample results varied up to 125 ppb gold, 27.0 ppm silver, 439 ppm arsenic, 14,891 ppm copper, 1,602 ppm lead, 4,938 ppm zinc, 11 ppm antimony, 146 ppm molybdenum and 925 ppb mercury. The higher results are from the narrow (1 to 20 cm) and discontinuous fracture/shear veins hosted by tuffaceous volcanics.

GEOPHYSICS

The re-interpretation of the 1988 airborne Aerodat VLF-EM and Mag survey data by the Geotest Corp. indicated four areas of geophysical interest (Figure 4). These are summarized as follows:



<u>I-1</u>

This area covers a coincident, east-west trending magnetic low and an interpreted fault. There are also two similar trending, weak positive magnetic anomalies.

<u>I-2</u>

This target encompasses a portion of two east-west trending, weak, positive magnetic anomalies and an isolated magnetic low.

<u>I-3</u>

The portion of a north-northeast trending fault which displays parallel, positive magnetic anomalies is enveloped by this target. Magnetic orthoclase porphyries observed in this area appear to correspond with the positive magnetic anomaly.

<u>I-4</u>

This area covers a north-northeast trending, interpreted fault which offsets positive magnetic anomalies and terminated at a magnetic low. This fault parallels the Handel Break. Fieldwork has revealed large float blocks of magnetic, olivine basalt of probable Recent age in the southern portion of this target area.

ECONOMIC GEOLOGY

No mineralization of economic significance was located during the 1990 field season.

CONCLUSIONS

Geological mapping has revealed that intermediate volcanic flows and pyroclastics of probable Paleozoic age underlie most of the property, east of the Verrett River. Feldspar porphyritic flows and coarse pyroclastics of probable Triassic age, similar to those hosting the "Cooper" mineralization on the Waratah property, underlie much of the west side of the property. The significant mineralization found, to date, is restricted to minor chalcopyrite-malachite in discontinuous, narrow shears, pyrite-pyrrhotite in hornfelsed sediments and magnetite in silicified (hornfelsed?) ash tuffs. Soil sample

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results and the subsequent investigation of anomalous values failed to locate any mineralized sources.

The elevated to anomalous results may be due, at least in part, to colluvial and groundwater

concentration of the various elements.

The reconnaissance exploration coverage of the eastern portion of the property appears to have

adequately tested its' mineral potential. The cursory examination of the west side of the property does

not appear to have adequately investigated this area's possible potential to host economic

mineralization.

RECOMMENDATIONS

No further work is recommended, at this time, on the eastern portion of the property.

The area west of the Verrett River should be subjected to a small prospecting and mapping program. Field work during 1990 indicated that the volcanic strata in this area is similar to that which hosts the Waratah's "Cooper" mineralization and thus may be prospective. It has also been learned that quartz vein float has been found on the Stu 8 and 9 property, which adjoins the Ian to the west, and samples of this material assayed up to 0.187 oz/ton gold (S. Todoruk, personal communication).

Respectfully submitted,

KEEWATIN ENGINEERING INC.

Rex Pegg, BASc., P.Eng.



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- Vancouver Stockwatch

APPENDIX 1

Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, REX STEPHEN PEGG, of #1 - 410 Mahon Avenue 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 Toronto, BA.Sc. (1976) in Geological Engineering (Exploration option) and have practised my profession continuously since graduation.
- 2) I have over 14 years of experience in exploration for base and precious metals in the Canadian Cordillera.
- 3) I am a member in good standing of the Association of Professional Engineers of British Columbia.
- 4) I am an independent consulting geologist with an office at #1-410 Mahon Avenue, North Vancouver, British Columbia.
- 5) I am presently under contract to Keewatin Engineering Inc. with offices at Suite 800 900 West Hastings Street, Vancouver, British Columbia.
- 6) I am the author of the report entitled "Geological, Geophysical and Geochemical Report on the Ian Property, Liard Mining Division, British Columbia", dated January 10, 1991.
- 7) I have personally performed or supervised the work referenced in this report and I am familiar with the regional geology and geology of nearby properties.
- 8) I do not own or expect to receive any interest (direct, indirect or contingent) in the property described herein nor in the securities of Big M Resources Ltd., in respect of services rendered in the preparation of this report.
- 9) I consent to and authorize the use of the attached report and my name in the Company's Statement of Material Facts or other public document.

Dated at Vancouver, British Columbia this 10th day of January, 1991.

REX PEGG RENTISH

Respectfully submitted,

Rex S. Pegg, BA.Sc., P.Eng

Keewatin Engineering Inc.

APPENDIX 2

Summary of Field Personnel

SUMMARY OF FIELD PERSONNEL

R. Pegg, Senior Geologist May 29-31; June 1, 3, 7, 9, 11, 13; August 1, 13, 27;

September 19.

R. Honsinger, Project Geologist May 28-31; June 1-4, 9, 13; July 27, 31; September 19;

October 9.

A. Travis, Project Geologist May 28-31; June 1-4, 9-13; July 27, 31; August 10, 12.

P. Lutynski, Geologist May 29-31; June 1-4, 9; July 27, 31; August 1;

September 19.

A. Muirhead, Prospector May 28-31; June 1-4, 10-13; July 25, 28, 29, 31.

S. Novak, Technician August 20.

May 29-31; June 1-4. R. Geszler, Assistant

S. Sheffield, Assistant May 29-31; June 1-4, 9, 12, 13, 22; July 25, 27, 31;

August 1, 11.

K. Burk, Assistant May 28-31; June 1-4, 6, 13.

T. Mortison, Assistant May 29-31; June 1, 3, 4, 13.

V. Malo, Assistant May 28-31; June 1-4, 10-12.

J. Leonard, Assistant May 28-31; June 1-4, 10, 12, 13.

A. Kaplan, Assistant May 29-31; June 1-3, 9, 13; July 27, 31; August 9, 10

August 3; September 15, 19. S. McTague, Assistant

T. Paquette, Assistant August 3.

C. Davies, Assistant September 19; October 9.

P. Dunlevy, Assistant September 19.

V. Hutchings, Draftswoman August 25; September 4, 20.

S. Patterson, Cook/1st Aid Attendant September 19.

S. Chandler, Cook/1st Aid Attendant May 27-31; June 1-3, 8-10, 12; July 29, 31; August 1, 10.

F. Ferguson, Technician May 28-30.



Keewatin Engineering Inc.

APPENDIX 3

Soil and Silt Sample Descriptions

Project:							SOIL S	AMP	LES		Resi Map Date	ults:	s Plotted By: N.T.S.: _104B/10+11												
Sample Location									То	pogr					eget						Soi	1	Date	a	
Sample Number			Station		Notes			Valley Bottom	rection of slope	ili Top	Level Ground	Heavily Wooded	parsely Wooded	urnt	pabbo	Grassland	Swampy	orizon Sampled	Depth to Horizon Sample	sood Horizon	Soor Develop -	Orift Parent	Bedrock Material	Colour	
4001112.E 87	Line	(Charles	lei s	27.5**	160 11 1	>	δ	<u> </u>		= >		8 3	ر	8	S	B	30	X	<u> </u>			MR	
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			61+00W	678W		· · · · · · · · · · · · · · · · · · ·			N				-						30					nec	
	 -		1+50W	63 C M				-	N			(ŧ .					B	30	<i>X</i>	 			MRE	
 	 		3+00W	830 M	Annular	Rocky	around.		N)						B	30	·				LIRE	
			2+50W	815 17	- Zirgoras	7	9		N			5	ŧ .					R	30	K	X		X	ma	
	1-1-		Z +00W	80514	Box trans	ton Iran	mA+B.		N)	<u> </u>						30		X			MRI	
\ -\\	1		3+50W	800M	7-31 110101	Flat/a	m A to B		w			X	7						30	X				MRE	
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Collectors	: <u>V.M.</u>						Date	<u> </u>	une	1//	770									
	Sample L	ocation		То	pogr	a phy			٧	eget	ation)				Soi	1	Date	0	
Sample			Notes	Bottom	of slope		Ground	Wooded	Wooded			Q		Sampled	Depth to Horizon Sample	Horizon	Develop - ment	Parent	Material	
Number	Line	Station	·	Valley B	Direction o	ніп Тор	Level G	Heavily	Sparsely	Burnt	Logged	Grassland	Swampy	Horizon			Paor	Drift	Bedrock	
90MIIIS-E	450 M	01000	started at GL 15512 1+751		5				X		L			B	25	X				MRE
	1	0+50W			3				X					0	30	×			X	MAB
		\$ +00 W			ډب				X					B	30	×	L		X	OKE
		1+50W			$\omega\omega$				X				<u> </u>	B	25		×			148
		2+00 W			5		<u> </u>		X					B	3c,	X	<u> </u>		X	MRE
		2+50W	at base of 15m clift		5				×	<u> </u>	L			B	20	L	X			MRE
		3100 W			<u>\$</u>				×			L		B	3¢		×		X	MB
		3+50W			5				×				<u> </u>	B	25	X			L	MRE
			90% angiver fragments		5				×					B	30		×		×	MK
J		4+500			S				×					B	35	Х				DRA
N/S		StOOW	N/S-tales slage - no soil development.																	
JONIII S-E	450 M	5+50w	, , , , , , , , , , , , , , , , , , , ,		w				×					13_	25		メ		X	MR B
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SOIL SAMPLES Project: _ Ian Results Plotted By: _____ Map: ______ N.T.S.: _______ 1048/10411 Area (Grid): E (east of Verrett) Collectors: U.M. Date Jane 2/1990 Vegetation Soil Data Topography Sample Location Depth to Horizon
Sample
Good Horizon Horizan Develop – ment Sample Notes Grassland Number Colour Line Station 6 toow 80% angular fragments 4SCM 90 M III S-E: MKB 70% angular fragments 61500 50 MAB Tisto angular tray / possible enthment bown 5 MER 7150 6 B 3 × 8 +00 w 190% gaquer fragments MRB 150 MB MRB 200 B 10 from top of outcrep/ visible pyrite 9 100 w MRB 71500 30 10+00W 10 MRO 10m Nos E/W acrae 10 +50 W 5 < 13 ma from top of outeres 11100W 10 10 gray laver above Bhowen 11452W MES 40 12100W MRB 12+500 MEB 10 13row from under fallen tree 13 30 ME 90 M (118 E: 450 M 13150 W

Project:	Ian	1	SOIL S	SAMP	LES		Resu	ılts	Ploti	ed E	3y: _				+ .						_
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Collectors	\sim						Date	·	Ju	ne	Ÿ	/19	140								_
	Sample L	ocation		То	pogr	aphy				eget						Soi	1	Dat	0]
Sample Number			Notes	alley Bottom	Direction of slope	Top	Level Ground	Heavily Wooded	Sparsely Wooded	Burnt	gged	Grassland	Swampy	Harizan Sampled	Depth to Horizon Sample	Good Horizon	Poor Develop -	Orift Parent	Bedrock Material	Colour	
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N/S N/S	Sasm	14+50W	760m talus]
NS		5+00W	825m talus		<u> </u>	<u> </u>													<u> </u>	<u> </u>	4
NS		S+SOW			<u> </u>	<u> </u>		Ļ.,						ļ.,		<u> </u>		L		<u> </u>	1
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40 & 1115-13 N.S		7 toow	830M Below outerup/talus						<u>}</u>								ļ	<u> </u>	ļ	<u> </u>	
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40 Q 1115-E		9+50W	Below outerop/tales										<u> </u>		<u> </u>	<u> </u>	<u> </u>			<u> </u>	┵
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	SOIL SAMPLES	
Project: Lan		Results Plotted By:
Area (Grid): E (East of Verrett River)		Map: N.T.S.: 1048/1011
T/		Date JUNE 2, 1990

Collectors:	Sample La	cation		То	pogr	a phy	Duie				otion					Soi	1	Date	0	
Sample			Notes	ottom	slope		Ground	Wooded	Wooded			7		Sampled	Depth to Harizan Sample	Horizan	Develop - ment	Parent	Material	
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	SOIL SAMPLES	
Project: TAN	0012 01 220	Results Plotted By:
Area (Grid) (E) Verrettheast of		Map: N.T.S.: 104B/10+11
Collegence: Keith Buck + Adam TRAVIS		Date June 2/ 1990
Callegans Koltha Kack T HYRON I DAVID		Date Tope A

	Sample La	cation		To	pogr	aphy			V	egeto	otion					Soi	1	Date)	
Sample			Notes	Bottom	of slope		Ground	Wooded	Wooded			pı		Sampled	n to Horizon Sample	Horizon	Develop ment	Parent	Material	
umber	Line	Station		Valley B	Direction	ніп Тор	Level G	Heavily	Sparsely	Burnt	Logged	Grassland	Swampy	Horiz	Depth to Sam	009	Poor	Orift		Colour
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Collectors:	Keith Burk + Adam Travis	-				Date	:	June	31	199	0							
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SOIL SAMPLES Results Plotted By: _____ Project: _____IAN Map: ______ N.T.S.: 104 18/10411 Area (Grid): [(East of Verret River) Date JUNE 3 1990 Collectors: Tyler Mortison. Soil Data Vegetation Topography Sample Location Heavily Wooded
Sparsely Wooded
Burnt
Logged Sample Notes Number Line Station 40mmills-E 275 M 0150E 275 M /100E 5 270 M Elevation 90MM11157 275 M 1+50E N/S 215 M 2+00 E No Sengle-dept diff, roots 270 illustres .5 B Jan X RB 3 +00 E 275 M B 3cm X LKB 275 M 3450E IXA 275 M 4 tooé B 2004 4+50E 275 M B Dan 275 M 5 too E B Jan X 9DAMIISE 275 M 5+50E 61000 Dosangle-runk stocks chape 275 M X DBR B JOH 90 mmlls-E: 275 M B JORM 7 tock 210 n L hoches. 275 M V B Zan X 7+50E 280 M [1200 CK 40 MMINSE 275 M

Project: <u>1</u> Area (Grid)	an ECE	ast of	Verrett River)				Res Map	ults :	Plot			N	N.T.S	.: 10	94B	110	 2_(1	 !		
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Sample			Notes	Bottom	of slope		penou	Wooded	Wooded			P		Sampled	Depth to Horizon Sample	Horizan	Develop -	Parent	Material	
Number	Line	Station		Valley B	Direction	Hill Top	Level Ground	Heavily Wooded	Sparsely	Burnt	Logged	Grassland	Swampy	Horizon	Depth to Sam	g aod	Poor	Orift	Bedrock	Colour
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1	1)	4+005	Below diff Near Outeron Just Before Creek	1	305			1 5	<u> </u>					B	30c		X		X	O/
	11	141500	1		428			,	k					B	+OCA	•	X		X	B
	11	STOOL	Below Outcrop		710			;	K					B	3761	•	X		X	OR
	/1	5+50 E												B	304	ΛX			X X X X X	QB
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Project: _ Area (Grid	I a):S	15 5	of Ver	rettr)	SAMF	PLES		Мар	·		ed E		N / 90	•.T.S	.:	104	B /	<u> 1 ic</u>) , ,	<u>'/</u>	
			cation		T	opogi	aphy				eget						So	i t	Dat	a	
Sample Number	Line		Station	Notes	Valley Bottom	Direction of slape		Level Ground		Sparsely Wooded	Burnt	Logged	Grassland	Swampy	Horizon Sampled	Depth to Horizon	Good Horizan	Poor Develop -	Oritt Parent	Bedrock Material	Colour
900 III SE	660	m	0+00W	Rase line SISN	+	15		X		K					B	40	X				MR
no sample			0+50W	Base line 5/5 N N/S-B. Rock																	
			1+00W			5	<u> </u>	ļ				 			B	22	X	 _	ļ!	X	MR
			1+SOW			5	ļ		-	<u> </u>		ļ			B	30	- ; -	X	<u> </u>	X	LR.
			atoow	M625m)? N/S - Bed Rock		S	<u> </u>	<u> </u>	-2	-	 	 		 	B	30	×	┼──	 	X	MR
No Sample	4			N/S - Red Koct		1-	 	 	 ,	 					B	35	├	X	ļ	 	MD
			3+00W	1/1-0-1		5	├	├	 	}			 		B	30	X	+~	 	令	MR
			4+00W	m(640m)?		3	 	 	 	} —	 	 	 -		B	15	文	 	 	┢	MK
	1		41500			रि	╁─		-	₹—	 	 			B	15	X	 	 	X	MR
	-		5+00W			<u>S</u>	 	 	+	<u> </u>	 -				B	13	文	\vdash	 	1	MR
	 		5+50W	to take a sale of willy below Hely for		E	1	t	1 5						13	30cm		X		X	MR
	1		6+00W	taken inside of gully below Heli Fo	-	ES	1		5	₹ <u> </u>					B	40		X			MR
			6450W			5									B	25	X				MR
			7+00W			5		1	7	{					B	30	X			X	Mix
V	1		7+50W			5			,						B	35		X		1X	MK
			Stoûw			S		<u> </u>	<u> </u>	<u> </u>					B	25	X	<u> L</u>	<u> </u>	区	MK
	1						<u> </u>		<u> </u>		ļ				<u> </u>	1	<u> </u>	ــــــ	<u> </u>		ـــــ
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Collectors	: <u>V.M.</u>						Date	باد	115	3/1	170									
	Sample L	ocation		To	pogr	aphy			V	eget	ation	1				Soi	1	Date	a	
Sample			Notes	Bottom	of slope		Ground	Wooded	Wooded			þ		Sampled	Depth to Horizon Sample	Horizan	Develop - ment	Parent	Material	
Number	Line	Station		Valley B	Direction o	ніі Тор	Level G	Heovily	Sparsely	Burnt	Logged	Grassland	Swampy	Harizon	Depth to Samp	poog	Poor	Orift	Bedrock	1
gomins-E:	275 M	0100W				X			K_					B	30	X				
		W5C10		5.	E				<u> </u>					B	<i>3</i> 0	×		<u> </u>		MRB
		1100 W		5'	5			را	<u> </u>					B	30)	×				MKB
			20% angular frigs.	Zo°	5		<u> </u>	د	<u> </u>					B	90		X	$oxed{oxed}$		MB
		21000	slight eder change, possible Bhoraci	5°	5			X						A	60		×			08
		2+500		5.0	SE		<u> </u>		<u> </u>	<u> </u>	<u> </u>			6	40	L	X			MRB
V		3 fee 4	20% angular frage.	10°	5			دا	<u> </u>					B	60		×		×	MB
N/S		3tsey.	creek				<u> </u>	l						L_	L_		L			<u> </u>
genius - E)		Ataci		13"		<u></u>	<u> </u>		<u> </u>	<u></u>	<u></u>			B			×			MRA
T		4+500		10°	S			>	* *	L				B	35	×				MB
		Srew	70% and fras / Ac A horsen	250				<u>د ا</u>	<u> </u>	<u> </u>				B	30		×			
		575°C W		15°			<u> </u>	دا	<u>* </u>		<u> </u>			B	25	~	<u> </u>	L		ME
		61000		150	S		L		<u>K</u>					1 8	25	<u>~</u>				MB
		61500	70% angles from.	Zvc	٥٠٠ن]	<u>*</u>	L	<u> </u>			B	35	.×				mo
	1	7+000		100	Sw		l	>	<u> </u>	L	<u> </u>			B	3 ℃	Х			×	MER
		7+500		. 2c ^r	5)	<u> </u>					B	35	×			×	MR
		९ +०७ ५		35'	ંડપા			>	<u> </u>		<u> </u>			10	20		×		×	1.46
		81500		\$°	5			>	*					B	30	Х			×	MEG
			from top of outerop	100	کس			>	<u> </u>					B	10		>		×	MRO
		91500	from toe of cliff	3.16	W			>	<u> </u>	Ĺ				B	20		<u>×</u>		^	MAR
		10+00 4	taken from fallen tree	. Sc.	5			-	<u> </u>					B	10				×	MRA
	1	10+500		100	w			>	K					B	3 ა	×			×	TRE
()	1	11100		10"	w			,	<u> </u>					B	35	×			×	ME
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Project:		IAN	SOIL SA	AMP	LES		Resu	ılts I	Plot	ed E	By: _									
Area (Grid)	: _ E [E	ast of ve	rret River)				Мар	:				^	N.T.S	ىك : .	240	علكإ	7# 7			
Collectors	: _Tyle	· Morti:	. دع د				Date	·	Ju	Ne	4	990	١							
	Sample L			То	pogr	aphy			٧	eget	otion	ı				Soi	ı	Date	0	
Sample Number	Line	Station	N o t e s	Valley Bottom	Direction of slope	нііі Тор	evel Ground	Heavily Wooded	Sparsely Wooded	Burnt	Logged	Grassland	Swampy	larizon Sampled	Depth to Horizon Sample	Good Horizan	Poor Develop-	Orift Parent	Bedrock Material	Colour
G			15.3	^	10°5	<u> </u>		X	8		7		0,	2	201	 	X	 		188
10001113-6-	275 M	9 +00 E	280 m Elovation		4505	 		~						12	253		X		$\hat{\mathbf{x}}$	NOR
	275 M		280 m bluchles		55°3	 		×							35.0		X		×	DRB DRD
	295M	10100 E	ZEDFI EIGCETTES		5505			×			-				30ca	×	 ``		×	DEB
	275M	101506			4065	 		文					<u> </u>	B			†		×	UEB
	275 M	11 +00/=	10m west - slope, quality		205			×		-			<u> </u>		40ZH	X			X	DRB DRB
	275 m	11460€	TOPI COST STORES, Quality		52"5			V							ICCH		×		×	Ls
	275 M	12400 E	top of cliff, room Elevation		50.5	 	<u> </u>	7					 	8	iocm	Ī	V			DEB
	275. M	12+50 E			650			×					<u> </u>		BRM		X		V	45
	275 n	13+00E	C1:55 315 1 51 100		50,2	\vdash	_		7						licen		1		7	17.6
	215 M				105	 	 		×				 		1.DCn	×			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	74. 74.
90mm///s-E			(1:FF 300m Elevation		550		 	V							Hin		X		×	DRB
TOTALITY C	-213-5	191002	West Down From Station wasce		137.2	 									1.00					1200
			at Lier K. down 30m - East												1					
		<u> </u>	50m at Elev. 240 m			T														T .
90 MAILISE:	2754	11400 6	240 n Ebuchien	 -	50°5	 	-	×		 			 	R	504		X		X	meg
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	SOIL SAMPLES	
Project: <u>Ian</u>	00.2 0 220	Results Plotted By:
Area (Grid): E (East of Verrett River)		Map: N.T.S.: 10 4 B/1011
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Collectors:	J.L.						Date	Jo	116	24	1990	2								
	Sample La	ocation		To	pogr	aphy			٧	eget	otion					Soi	1	Date	0	
Sample Number			Notes	Valley Bottom	Direction of slape	11 Top	Level Graund	Heavily Wooded	parsely Wooded	Burnt	Logged	Grassland	Swampy	srizon Sampled	Depth to Horizon Sample	Good Horizan	Poor Develop	Orift Parent	Bedrock Material	Colour
	Line	Station			ă	Ξ	د	Ī	Sp	á	د	Ö	\S	ĭ	o	9		Ŏ		
9 OTILIS-E:	660M	06100 E	OnWob Below Cliff		<u>ئ</u> ئ				<u> </u>					B	35cm	6			<u> </u>	OB OB
17	11	6 +50 E	In Dip	<u> </u>	<u>25°</u>	<u> </u>			X					B	30cm	G		X		OB
11	11	7+00 E		<u> </u>	200	<u> </u>		<u> </u>	<u> </u>						4.5c			X		OB
, !	/ 1	7150 E		<u> </u>	200		L	<u> </u>	X					\mathcal{B}_{-}	400	\ C		 	X	OB
N/s	(1	8+00 E	No Sumple-Outcrop	<u> </u>	<u> </u>				ļ	<u> </u>				~	ļ		 		Х	X 2
901115-E	11	8+50E		 	35	<u> </u>	ļ	1	<u>K</u>	ļ			<u> </u>	12	300	n	X	 	X	OB
11	1.1	9 to 0 E		<u> </u>	32			<u> </u>	<u>K</u>					\mathcal{B}	40c	n G			Х	B
11	11	9+50E	Cliff Ledge	<u> </u>	5			;	<u> </u>					D	R3CA	1	ļ	ļl	×	OB
11	11	10 +00 E	_		373	<u> </u>	<u> </u>	<u> </u>	X					13	2201	n G	 		x	OB
N/s	11	10 -50 E	No Sample-Outcrop		<u> </u>												<u> </u>			ļ_,
9051115-E	11	しょしたのことに	1	<u> </u>	50%		<u> </u>	12	<u> </u>					\mathcal{L}	304	16	<u> </u>	۲		OB
N/S	-	11 +50 E	No Sample - Big Gorge	<u> </u>	ļ.,,		<u> </u>	ļ									<u> </u>		<u> </u>	↓
90J1115-E	- 1	12+00 E	, , ,	<u> </u>	30	<u> </u>	<u> </u>	X		<u> </u>				13	270	6	<u> </u>	X		108
/1	11	12+50E			363		<u> </u>	 /	<u> </u>	<u> </u>			 	B	480	n G	<u> </u>	X		OB
11	11	13+00E		<u> </u>	348				<u> </u>					B	340	n 0	·	X		OB OB B
11	11	13+50 E		<u> </u>	300				<u>k</u>						30c			X		OB OB
11	17	14+00E			760	\$	<u> </u>		<u> </u>					B	334	n G	L	X		10/3
N/S	11	14+50E	No Sample Talus	ļ			 	<u> </u>	<u> </u>	<u> </u>				<u></u>	ļ		<u> </u>			
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Area (Grid) Collectors		<u>S</u> .	S.	ivve()	<u>.</u>			Map Date	:	J	in (2 4	\ \	N.T.S.	·: 'O	154			777		
0011001010			ocation		τ	opogr	aphy			٧	eget	otion	1			:	So	1	Date	0	
Sample Number				Notes	Bottos	of slope	da	Ground	Wooded	y Wooded			pup	yc	Sampled	Depth to Harizan Sample	Horizan	Develop -	Parent		
4D0 ハイベ	Lii	10	Station	•	Valley	Direction	Hill Top	Level	Heavily	Sparsely	Burnt	Logged	Grassland	Swampy	Horizon	Depth Sa	6000	Poor	Orift	Bedrock	Colour
NIS AODJUS E: NIS NIS IVIS QQJUS TES	66	Zm/	8450W	Bedrock		1	-								B		10	7		X	ORB
doguis e			9450 W	tulus no B novi	300	5															
N/3			110+00 w 1	4 a US																	<u> </u>
JV/S			10-150W	talu=		1_	├		-	 	 -		 		<u> </u>	20		-	 	 -	BOD
9 Am ZES			11+00 M			15			(B	30 30		X		令	BRE DER CEB MET MET MET MET
			11+50 W				 		+		 	-				35		X		X	MAR.
			12 to 0 w			3			5						B	30	X			 	MEY
	\vdash		13+00 W			S	 	ス		-					B	え <u>い</u> 35	XX	\vdash			mes
- 			13 +50 W			3	 		7	k .						40		X		*	MI
			14+00 W			5				X					B	40	Γ.	X		X	YRB
			14+20 W			Ś			د	<u> </u>					B	36)	-	X		X	MU
			15400 W			5		<u> </u>	د	<u> </u>					B	302	X.	<u> </u>	<u> </u>	X	HEB
V		4	15450 W			5	<u> </u>	<u> </u>	>	<u> </u>	<u> </u>				0	30	X	 	<u> </u>	<u> </u>	<u> </u>
N/3	V		16400 m	Bedrock		 	 							 			<u> </u>	┼─	├	├	-
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Proj e ct: Area (Grid) Collectors	Iar : <u>E</u> (: <u>V</u> M	n (eas	t of Varra	so e#)	DIL SAMP			Resi Map	ults :	Ploti			N	I.T.S	.: <u>/</u>	010	3/10				
			ocation		To	pogr					eget						Soi	1	Dat	0	
Sample		, , , ,		Notes	Bottom	of slope		round	Wooded	Wooded			pı		Sampled	Horizon	Horizan	Develop -	<u> </u>	Material	
Number	Lit	ne	Station		Valley B	Direction o	Hill Top	Level G	Heavily	Sparsely	Burnt	pa66o7	Grasslar	Swampy	Harizon	Depth to Sam	6 00 d	Poor	Orift	Bedrock	
gomins-e:	27	5M	11+57 (U	upper book of small creek	5.	NM			_>	ζ					B	30				X	Mas
		 	1240 W		10		<u> </u>			<u> </u>					B	30	×	 			MAC
		 	12tscu	clay	<u>5</u> '	الازن	 	ļ	<u> </u>	<u> </u>					0	30	<u>~</u>	 			LB
			13 res w		5`		 		?	<u> </u>					B	30	×	 			N/6
		}	13450 (2)		/c	S	 			<u> </u>					B	30	<u>~</u>	 -	 	×	mg
		 	14 re0 w		45				(ļ		B	3	<u> </u>	 	 		MAG
			1700 W	80% coall angular frage.	20	32			 (B	40	<u>~</u>	1	 		MAR
		ļ		80% angular lings	30°				>	<u> </u>					B	Acı		X	 		MRE
	ļ		15750W			ალ									B	25	×	┦			MRA
		 	/6.1c8w	70% angular Frags	34"	50	 		-/>						B	30		 	 -		rvea
		 	1615000			510									B	15		_×	├──		MARC
		┼	171000		9c'	اجر			1							10	×	 	 		res
		 	17+5000		. 25°	5w									B	15	×	 			mes
			14+000		15°	<u>در</u>			- (-		 _	├──		ARB
		 	18 1500	From top at anteres	100	+				,					B	20 20	 	X	 -		
		 	191000		300	W W	 		 				-		B	35	×	X	 -		MAG
]	19+50w		10	 			×	<u>`</u>					0	20	 	 	 		
Y		<u> </u>	2010W		- /~	<u> </u>			1						-	20	 ^	 	 	-	nas
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Project:	IA	7N'	SOIL :	AMP	LES		Resi	ults	Plot	ted E	3y: _									
Area (Grid)	:	ERRET (EHST)				Мар	:				١	I.T.S	.:_/	041	315	<u>) + (</u>	11_		
			K. BURKE				Date		JUN	£ 4	190									
	Sample L			To	pogr	aphy			V							Soi	1	Date	0	
Sample			Notes	Bottom	of slope		Sround	Wooded	Wooded			nd		Sampled	Depth to Horizan Sample	Horizan	Develop -	Parent	Material	
Number	Line	Station		Valley E	Oirection	Hill Top	Level	Heavily	Sparsely	Burnt	Pabbol	Grassla	Swampy	Harizon	Depth to Sam	9009	Poor	Orift	Bedrock	Colour
				<u> </u>	 	<u> </u>			ļ	 				 		<u> </u>	 			
	ļ			 	 	 				 				-	<u> </u>	 	 		/-	N-2.
9077115-002			AT-870M IN CREEK THAT	5		<u> </u>		├	 	ļ				C	0	<u> </u>	 		'	Yeus
			RUNS N-S AWNY EASTERN	 			 		 	 -			 		 		 			
		<u> </u>	CLAIN BOUNDINZY. TAKEN IN	┼	ļ			 	 	 			├	 		├	├	 		
		ļ	SHERE THAT TRENUS	╁	 				 	 -	 			 	├	 	 			├
			260' / 70'N UP TO 10"WIDE.	 	├—			 	├	 			├──	 	 	 	 			
	ļ		CHECK TO SEE IF ANY	 					 	 					 	 	 	 		\vdash
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Project:	I	COF	(111)	The Verret river	AMP	LES		Resu	ılts	Plott	ed B	ly: _					1				
Area (Grid)	12	E	East of	The Genet mer				Мар	:				N	ı.T.S.	: _1	048	3/10	<u> 11 + c</u>			
Callectors		Ande	ew k	Caplan				Date		70.	16	91	177	C .							
Conectors			ocation		То	pogr					egeto						Soi	1	Date	0	
Sample				Notes	Bottom	of slope		Sround	Wooded	y Wooded			nd		Sampled	Depth to Horizon Sample	Horizan	Develop -	Parent	Material	
Number	Li	ne	Station	_	Valley E	Direction	Hill Top	Level 6	Heavily	Sparsely	Burnt	Pabbol	Grassla	Swampy	Harizon	Depth to Sam	6000	Paor	ori f t	Bedrock	1
90KILIS-E:	150	M/	0+50W	60% Regners	40	5E				5					8	50	Χ			X_	~ 6
			1+00W.	60% Fragments	45	SE.			\vdash	-				ļ		60		 		}	def
			1+50W	20% organic	45	5	ļ	ļ		 X	<u> </u>				185	40	X —			 }	mr/
			2+00W	7205 belowing duck Pluff	40				 	X_	ļ					30		-	 		mel
			12+50W	50% picanic	40	5		 	-	} —					B	30		┼	├──	₩	mr)
			3+00W	25% organic	45			 	 	◐	 -				B	40		 	 	₩-	
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			6+00W		45		├─	 	 	\longrightarrow	1	 	-			40) —	1	\vdash	坟一	dch
	 	4	6+50W			3	-	 	 ≺	Ŷ	+-	-	 		0	40		 	 	Ϊ́Υ	mek
			7+00W		45		 	 	—	♡ —	┼──	 	 	 	8	30	K7	1		校	
	ļ			20 Fi below tog (rackface)	10		-		 -	} —	 	 	 	 	B	40	X	+	 	V	امرد فادل
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		 	12+000	• • • • • • • • • • • • • • • • • • •	12.	5	 	 	1	҈	1	 	\vdash	1	6	40	X	1	1	X	meh
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Project:			IALI	SOIL	SAMF	PLES	;	Res	ults	Plot	ted E	3y: _									
Area (Grid)	:			E (coitd)				Мар	·:				1	v.T.S	.:_1	04	BL	104	11		
Collectors	:	A	ndrew k	caplan				Date	e	20	'nœ	9	119	90	(c.	ontd	-)				
	Samp	ple Lo	ocation		To	ppogr	aphy				eget						So	1	Dat	đ	
Sample Number	Lir	ne	Station	Notes	Valley Battom	Direction of slape	till Top	evel Ground	eavily Wooded	Sparsely Wooded	Burnt	Logged	Grassland	Swampy	Harizon Sampled	Sample	Good Horizan	Poor Develop -	Orift Parent	Bedrock Material	Colour
POKINS-E:	150	m/	15+50W		20	5	-	-	X	-					1 10	1 40	IX .	\vdash		X	27
1	1	· · · · · ·	16+00W	20% organic	10				X	1					B	30	X			X	weh
			16+500	30% From morte & organic	20	15			X						उ	30	X			X	Web
			17+000	3:22 Frommate & engance	20	SÆ	1		X						B	40	X			X	m F
			17+500	3	10				X						B					X	مايم
			18+000			SE			X						0	40				X	mck
			18+500			SE			X						B	50	X			X	deh
			19+000		30	SE				K						50	X			X	wep
				Costains Some burnt wood	15	50				K					B	45	X			X	mrb
			200+000	10 lt up beam tag .	20	3				Y					B	40	X			X	mel
			20+500	10 ft up from tag	40				V						B	30	Y			X	mel
			21+000	Icht bolow tog, bolow citcup	30	. 5				K					B	30	X			X	met
	7		17.14<\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	-	. 40	S	1			Y					8	3υ	X			X	mo
			22+00w	40% organic	50	S				<u> </u>						40				X	wef
1	1	/	22+500	- 7	20	7				K						40				X	ne
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SOIL SAMPLES Results Plotted By: _____ Map: _______ N.T.S.: /09/5 /10 and 11 Area (Grid): E (east of Varrett)

Collectors: V.M.

Collectors							Duit	لحــ ا	WAS											
	Sample L	ocation		То	pogr	a phy			٧	eget	otion					Soi	ı	Date	0	
Sample			Notes	Bottom	of slope		round	Wooded	Wooded			Q		Sampled	to Horizon Sample	Horizon	Develop	Parent	Material	
Number	Line	Station		Valley B	Direction o	Hill Top	Level G	Heavily	Sparsely	Burnt	Pa66o7	Grassland	Swampy	٠.	Depth to Samp	p00 9	Poor	Orift	Bedrock	Colour
90m 1115 -15:	·ISOM	Oteo E	start at BL 31255/states at 160 M	3	N				<u> </u>					13	30		×			MRB
Ĺ		Utsce		25	SE	<u> </u>			<u> </u>					13	ಕಲ	メ	L		X	AVC
1		1400E		15	5				<u> </u>					15	30	X	L	لـــــا		MKE
N/S		1150E	outerop (no sel development)			<u> </u>											<u> </u>			<u> </u>
90MILS TE:		2000	large A-horizen (Summey)	×	<u> </u>	<u> </u>			K					1.3		X		'	<u> </u>	THE
		24580		15	55		<u> </u>	1	<u> </u>					13	35	×				MKG
		3toei£	From under fallen tree		<u> </u>		×		<u>K</u>	<u> </u>				B	30				X	MAG
		3+50€	sample taken Sm Sw of station	5'	<u>S</u>			}	<					B	35	X		L		Ma
		Atros	on top of outcomp			X			<u> </u>	<u> </u>				B	30	×	<u> </u>		X	ma
l l		4+see	simple taken 6m SE of station	X	<u> </u>	<u> </u>			K					B	30	メ			×	-
		CACELE	on top of outers	s'	15	<u> </u>	ļ	2	<u> </u>					13	3c	X	<u> </u>		<u> </u>	ME
		51505		s ·	E				<u> </u>					B	3c	X				MA
		6+cre E	1m Sel station	3.	E		<u> </u>		<u> </u>					!3	3 e	メ			×	_
		6150E	large 1- Lerson (swanpy)	×	<u> </u>	<u> </u>	<u> </u>	>	<u> </u>	<u> </u>				13	60			!	L	MB
		THUDE	10m SE from station	S	W			1 >	<u> </u>					B	30	X			X	MRB
V		Drsce .		s	NW				Κ					13	30	X			×	MKG
N/S		Stock	talus slope (no soil development)					<u> </u>											<u> </u>	1
gomins-is.		3150E	lurge Achorisin (swampy)	3"	5/			>	<					B	۵٥		×		X	03
J		9tool5	16 16 16 to	50	213				*					3	120		ᆺ		×	MB
N/S		9150E	tolus slope (no sel development)							L										
90MIIISE.	:	(CTOOE	from fallen tree	150	SE			>		Ĺ				1.3	10		<u> </u>		X	MAG
N/s		101506	latur stope (no suit development)																	
TOMUS.E.		11+036		150	'Æ			>	<					13	35	×			×	MKG
1		ILISCE		2'	SE			>	Κ					0	30	Х				nec
		12 10015		100	H			>	<u> </u>					B	30	У.			×	AKB
	1	12tsdE		15	Œ)	*					13	3:5	-X			X	MKS
		(3100)		/3 ^{t)}	s i			>	K					B	30	х				MK
<u> </u>		13450€	21/2 angula inquients	/e^	>Ē			×						r,	10	×			×	MKG
N/S		MICE	old stream scaliment	<u></u>	1												<u> </u>		<u></u>	
James a Ri		144.70.2		154	SE		l)	K					13	30	У.		1	~	MAS

SOIL SAMPLES Project: Tan Results Plotted By: _____ Area (Grid): E (east of Varrett) Map: ______ N.T.S.: _______ / Commel (1) Date June 9/90 Collectors: V.M. Vegetation Soil Data Topography Sample Location Depth to Horizon Sample Harizon Sampled Sparsely Wooded Heavily Wooded Level Ground Valley Bottom Sample Notes Grassland Number Burnt Logged Line Station **3**0 B 15'400 E 90 MIUS-15: 150 M X 151505 5 /ムナロタ 巨 70° 16+50E

	T	a 14		SOIL SA	MPL	_ES	,	D		21044	-d D										
Project:		21	- 4/								ed B			T C	:_/	04	: /	10	an	11	11
Area (Grid):	E	of Va	rreltj				I	Mab:		7	ne	11	N	. 1. 3.	:		1			~	
Collectors:	~ (·						Date	_	70	76	4/	40								_
	Sample L	ocation			To	pogra	зрһу			V	egeta	tion		1			Soi	1	Data	ı	
Sample			Notes		Bottom	fslope		Ground	Wooded	Wooded			9		Harizan Sampled	Horizon	Horizon	Develop -	Parent	Material	
Number	Line	Station	chulana at 10 cm		Valley B	Direction of	ніі Тор	١٥٨٥١	Heavily 1		Burnt	Logged	Grassland	Swampy	Horizon	Depth to	6 00 d	Poor	Orift	Bedrock	Colour
90QIIIS-WA	970M/	0+00W	cluy layer at 10 cm taken 18 m East of baseline	2 (snow, talus)				X		<u> </u>					13	35	X				MRB MRB
ACAIIIA A.	4/214	0+50W	741-1111		156				ز	<u> </u>						<u>3č</u>	Ý				MKA
		1+00 W			35°				<u> </u>							30	X.			 -	MRB
		1+SOW			35° 30°	S			>	<u> </u>						52	ĻŽ			₩	MRG
		2+00 W	Angular Fragments 3 cm as	verage	300	ج		 	/						1-5	<u>20</u>	4	\vdash			HRB
		DISON	J	U	10°	اكا	 	 	×	-							X	 	 		MRR
		3+00 W			10°	ايكا	 	 	ب	K						30	X		 	7	MKB
		3+50W	Angular frayment 1-2cm			S		 	<u> </u>	<u> </u>					_	35		1			
		4100 W			300	5			X							40		X	 	—	DRB Br.
		4+50W	rounded rocks 3-5 em		30°	احجا			~	<u> </u>					8	40	X	X			Or R
		5+00 W				5w		 -	1-4	<u> </u>					F	30	_	┼	$\vdash \vdash \vdash$	-	MRB
		5+50 W	Bhorizon on surface	•	(C)°	Sin	X	 	با	<u> </u>					B	10		X	X		ORB
V		6+00W	Bhonzon on surface		30,	> <i>E</i>	 		/	\					12	70	-	1	-4		UVE
			<i>J</i> 1		-0V	E		 	ļ	₩	 				B	30	-	X			RA
400115-E		OFSOE			30°	<u>pw</u>	├—	7	 ;	*	-				B	30 30	V	12	 	 	Br. MRI
		1+00 F	below cliffs/subalp	ine		├	 	X	 ;		 					20		X	X	_	Rr
		1+50 F	edge of talus slide		500	100	├		-	X	 		-		AB	20	 	文	文	_	Br
		Stoo E	limestone drift A/BA		<u>≫</u>	SE S	 	 	├	숬	 	-			AB	20		文	文	_	Br
		3+50 E	limestone dust A/	BMIX	30"		┼	 	├	1	 -		 	 	AIB		 	文	文	 	1810
V		3100 E	AlB mix in drift		30	12	-	├─	 	1	┼	-			1415	50	 	+~	-	_	15-
X1/5		3+SO F	NIS talus/Aho	rison only	-	├	├─	 	-	1	 	-		 	B	30	X	+			MRI
GODING-E:		4100 E			200	 _	├	X_	-	X	┼				10	20-	文	 	-	-	MRE
		レルぐつ た	Lana and line article	A-11-00	25	5	 	├	-	×	╂	 	-		12	30	 ^ `	+ ×	X	\vdash	
l		S400 E	Base of Grey ash tut.	+ D/0+75	30°	1		├─	 	1	1	h		-	B	30 40	 	文	12	<u> </u>	PR
V		5750 E	Bosof Gray ash toft	blutts	20	5	├	├─	├	├	1 4	Fin	e 1/1	3	12-	1=-	1	1		 	1
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SOIL SAMPLES Project: Fan Results Plotted By: _____ Map: ______ N.T.S.: _109 15/10 and 11 Area (Grid): E (east of Varrett) Date June 10/10 Collectors: U.M Doto Vegetation Topography Sample Location Depth to Horizon Sample Horizan Develop – ment Direction of slope
Hill Top
Level Ground
Heavily Wooded
Sparsely Wooded
Burnt
Logged Horizon Sampled Valley Bottom Sample Notes Grassland Swampy Number Station Line resample of soil on LTPOE 90 MIS-col 4150F (An 180,006) sunde in E of any not status original hole not found sumple at station reads gentles in **3**℃ SE Nº 90MIIIS-00) 111XE (An 18cops) simple 1 - Wif station original hole not found belas talus slege sande station reads " 70m ms-coz"

SOIL SAMPLES Project: Ian Results Plotted By: _____ Map: ______ N.T.S.: _/C 4 15 / 10 and 11 Area (Grid): E (east of Varre 77) Collectors: V.M. A.T. 3.5. Date June 12/90 Vegetation Topography Soil Data Sample Location Direction of slape
Hill Top
Level Graund
Heavily Wooded
Sparsely Wooded
Grassland
Grassland
Swampy
Harizon Sampled
Depth to Horizon
Sample
Good Horizon
Poor Develop-Valley Bottom Sample Notes Number Station Line 90T 1115-003 resumple of wolon 325E 14+25W and 19150. (in between stations! poer sampling at anyind holes resumde of scilon STSE 1440W 90T1115-004 original hole not found taken from fullen tree resomate of soil on 575E 17+25W 150 W X MRS 901 115-005 original hole not found. sangle taken 1m 12 of original station

Project: Area (Grid) Collectors	Ian : E. : _S She	111 Arield /	Andrew taplan	SOIL SAMI	PLES		Res Map	ults :	Plot	red E	By: _	N	1.T.S	, :	10	4B	. / 1	104	<u> </u>		
	Sample L	ocation		T	opogr	aphy			٧	eget	ation)				Soi	1	Dat			
Sample			Notes	80000	of slope		Sround	Wooded	Wooded			pu		Sampled	Sample	Horizon	Develop -	Parent	Material		
Number	Line	Station		Valley	Direction	нін Тор	Level Groun	Heavily	Sparsely	Burnt	Pa66o7	Grassla	KdwowS	Horizon	Depth to Sam	poo 9	Poor	Orift	Bedrock	Colour	
40TIIIS-E:	825m	10+50 É	rock fragments 1-4 c	m 30	2555555	 		X						B	32		XX		X		
		10+62.SE	medium dark brown soil	$-\frac{150}{150}$	اج.	 	 -	文	 					B	<u>ئې</u>		交			M-D M B	1510
	810 m	10437.5E	medium byown, talus 2-5cm talus 1-3 cm	150	13.	 	 	1	 					\mathcal{B}	20		文	 	 	Bn	سرورا
	810m	10+50E	tales 1-5m	1/50	15	†		文						\mathcal{B}_{-}			Ì			M-P	row
	840 m	10+37.5E		30	S			X						A/B	30 45		X			$\frac{\omega_p}{2}$	
	840~	10.50E		30	<u> </u>	<u> </u>		LX.		ļ				B	50		X		ļ	db	
N/5	840m	10+626		30	>	l	ļ	 X -	 					B	50		Х			wp	
<u>N/5</u>	825m	10+37,5E	HII Fragmenis	30	5	 		-	 							ļ					
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°roject: _≠ Area (Grid)	AN (A)	NOMALY.	TRAVIS.	SUIL SAMI	LES	1		:				N	N.T.S	.:	04	B/	10	£1		
Collectors	Sample L		/ KFCV1> .	т	opogr	aphy				eget			790			Soi	ı	Date	0	
Sample Number			Notes	ey Bottom	tion of slope	Top	Level Ground	ily Wooded	rsely Wooded	nt	ged	Grassland	ушру	izon Sampled	Depth to Horizon Sample	od Horizon	Develop -		Bedrock Material	our
	Line	Station		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Direction	Ē	۱ .	H	Spa	8 ur	وما	Gra	Swo	H P	Oeb	Good	Poor	orift f		Colour
90T1115-		1+25W			3 5	 		,	<u> </u>					AB	95 35	 	/			MRE
	11 /		* PREV. ANOM.		15	 			<u> </u>					B	35	نــــ ــا				MR
	11	1+75W.			5	 		2	<u> </u>					AB_			~	\vdash		MR
	98511	1+75W			5	┧──								AB	30 30	<u> </u>		 	7	LR
	"	1+50W	AVENTALIS		5	 									25		1		 	TKC
	955 M/	1+25W	IN TALUS:		5									BC	un				/	MRE LRI LRI
	433 MY	1+50N	IN TALUS:		13	<u> </u>		 ;							40			7		131
	4	1+75W			5			7							40			·		DRI
90A1115	985M 1	3+25W			N				ζ					B	20	V			Z	HRE
1		3+50W			3			\						RB	30				J	MB
		3+75W.			5				`					RB			V			MB
	970M/				5	<u> </u>		ر	<u> </u>					B	25	<u> </u>		igsqcup		MB
		3+50W	* PREN. ANOM.		5	<u> </u>		7	k					\mathcal{B}_{-}	20				<u></u>	ME
		3+75W				ļ			<u> </u>					R	40				1	ME
	955M/	3+25W			15	<u> </u>			<u> </u>						20	<u></u>			 	ME
	<u> </u>	3+50W			5	L			<u> </u>					B.	25				7	MR
	<u> </u>	3+75W			5.	<u> </u>			<u> </u>	ļ				B	20	~	 	 	<u> </u>	MR
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SOIL SAMPLES

Project: _	IAN.	(ANO	MALY FOLLOW-LP)	AMP	LES		Resi	ults	Ploti	ed E	3y: _									 -
Area (Grid)): <i>E</i>	. 	RAVIS 1															, 1		
Collectors	: MUIR	HERD, T	RAVIS	_			Date	<u>, </u>	NC	<u>Y</u> :	31,	, 19	790	2_						
	Sample La	ocation		То	pogr	aphy			٧	eget	otion)				Soi	i I	Dat	a	
Sample Number				Bottom	of slope	Hill Top	Ground	Wooded	Wooded			pu	у	Sampled	Depth to Horizon Sample	Horizon	Develop ment	Parent	Material	
Number	Line	Station		Valley	Direction	Hill To	Level	Heavily	Sparsely	Burnt	Logged	Grassla	Swampy	Horizon	Depth t	g ood	Poor	Orift	Bedrock	Colour
90TI115	985M/	5+25W			120			>						\mathcal{B}_{-}	35		<u> </u>		×	MRI DBI
	1 /	5+00W			SW	ļ			<u> </u>					AB	30		X_	×		
l		4+75W		 	SW		 	<u> </u>	<u> </u>					AB			X_	×		MBI
	 	4+50W		 	5			?	-					RB	35		Y	Y	 	MB
11/5	~~~	4+25W	N/S - O/C TALUS.	 	5	 		\vdash						73/	35		×	×	 	45
9071115 -	44 JOM/	11-20 W	* PREV ANOM	 	SE.			 						BC	35	ļ	×	Ý	 	ME
1—1		4750W	T PREV. HNOPI.	 	5W			١;			 -			RB		Τ,	*	¥	 	ME
	1 1	5-1700)	* PREU. ANOM.		SW			 ;						B	30		ļ. —		×	MR
	 	5+25W	* I ISEV. IT NOTE:		52			١-,	į į					B	25					ME
	955M	4+25 W			3				ĸ						30		<u>*</u>		×	ME
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		4+75W			SIN			7							35		Y	Y		
		SHOOW			Sw				<u> </u>					AB	25		Y			DR
V	V	5+25W			<u>5</u> W			×						B	30		<u>k_</u>		X_	ME
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Project:	Ian	111	SOIL	SAMF	LES		Resi	ults	Plot	ted F	Rv:										
Area (Grid)	<u>ب</u> .							·			•		JTC	. /	174	15	10	2,11	7		
O Hank	· - · · · · · · · · · · · · · · · · · ·	heffield								TU	1.	31,	1.1.3	,				7	·		٠
Collectors				1 -				e					, ,								1
	Sample L	ocation		''	opogr	aphy			· ·	eget	ottor)				Soi	· · · · ·	Dat	0		
Sample			Notes	Bottom	of slope		Ground	Wooded	Wooded			рı		Sampled	Depth to Horizon Sample	Horizon	Develop -	Parent	Material		
Number	Line	Station		Valley	Direction	Hill Top	Level G		Sparsely	Burnt	Logged	Grassland	Swampy		Depth to Sam	g ood			Bedrock	Colour	
90HIISE:	470m/	SISUE	Subalpine vegetation ungular from Bei	- 3c,c	Ş	-			ļ					B	30			X		Brou	 ^
11	470m/		Subalpine	30°	بخا	1								B	3.O	ļ	<u> ~ </u>		 	Briu	ł۸
NS	grsum/		N/S Talus	30	5	·	 	 		ļ	ļ		ļ	-	-	<u> </u>	لبا	اجرا			1
40HIIIS C	950m/	5185 =	Suhalpine	_5C	_حــا	 -	 	 	 -		 			B	52		X	X	 	Bro	<u> </u>
1/3	9+50m/ 9+50m/	STOR	Subolpine In Finaments	300	3	 				 	}			13	25		X	X	 	Bio	١.,
1 3-6:	4+50m	4475 E	Subalpine 1-3 em trayments	30,0	ᡰ᠊ᡲᢇ		 	 	 	 -				B	23		$\frac{1}{X}$			Brc	
	9+50m/	44505	Sona pine 1 Jan (vagment)	300		 								B	is					BN	
	9+50 m/		under lines tone autopo	30°		 	 		 					B	30	 	X			Bru	
		41251	OMBER (IMP) IBH COICE P	900		 		-	<u>₹</u>					13	20	 	\frac{1}{2}			Bro	μ.
		41756		30	15	1	1	5	}	 	<u> </u>			<u> </u>	30		X			Bro	
1	9170 m/	STOOR	on terrore everall slope 30°5	1_			X							B	90			X		Bru	Į,
90 HILLS E.	10+00m	STSOF	on terrice / base of toth colomp	-	-		又	×						ß	15		X			6:2	11
1)	10100m/			30°	S			_>						\mathcal{B}	90	X				MRI	1
POMINS E:	10100m/	5425E	1-6'en- 18005	30°	15			. >						B	کھ		又			En	٠.
	1000m/		J	30°	<u>`</u>	L	X	`	<u> </u>					13	15		X,			MK	Ľ
	10toom/						X		<u> </u>					13	92	X				17KL	
	10tucmi				ļ	<u> </u>	X		<u> </u>					13	\aleph		X			DKE	
Ψ	10+00m/	4135E		-	 		ᅩ		K			-		ゴゴ	<u>∂\$</u>	×				r're	
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904/115-E	717011	10100 E	v	150	3		-,	У				÷		13	సర్	-	X			tire	UV
	7-165 m/	10 tOOE		/d"	Ş			X						P	20		1			Bar	س را
	7+65 ml	NISOF	Angelow Grows. 1- Sen	වර				X						<u>r</u>	રૂડ	X				MEI	7
	717001	IUISOF IUFSOF	·/	<u> </u>	ک			X,							30		X			130	1-
	17+90 W/	170 E SØE		DC/O	1				1 1			1	- 1	R	76	×	i 1	. 1		166	i

Project:	+an III STREAM	SEU	IMEN	115	Resu	lts P	lotted	By:									
Area (Grid):					Мар	·				N	.T.S.:	10	74	13	10	.//	
Collectors:	5. Sheffield				Date	:;	Tul	4	31	1 /	90						
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Sample	NOTES					ania	<u>*</u>	S.	£	£	å.	SPRING	5	1			
Number		Gravel	Sand	Silt	ဦ	Org	Ban	Act	Š	Ö	C . C	SPR	200	Ĭ			
GO HILL M	taken from circular sandy pan ,75mx.75 in 8121m/1958		又					$\overline{\mathbf{v}}$,75 _n	10.	-20.0.1		 	₩	 	├─	
90H1111-00	gravel obtained through Sam Humus Stasin/71756	X					X	/ _	75m	10.0	mac			 		 	
TOTAL COA	greet Continued through the same of the sa								7,3	,00,					 	 	
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Collectors	<u> </u>	Sheftin	e10					Date	<u> </u>		ب(14	_3_	1/	40	<u>ر</u>						ı
	Sample L	ocation			То	pogr	a phy			V	egeto	otion)				Soi	j 1	Dat	0		1
Sample			Notes		Bottom	of slope		Ground	Wooded	Wooded			þı		Sampled	Depth to Horizon Sample	Horizon	Develop - ment	Parent	Material		
Number	Line	Station			Valley E	Direction of	нііі Тор	Level G	Heavily	Sparsely	Burnt	Paggol	Grasslar	Swampy	Horizon	Depth to Sam	poog	Poor	Orift	Bedrock	Colour	
90HIHS E.	790m	1012SE 10100R 10175E	Light Brown		∂ <i>0</i> °	_ک_			X						B	15	X				11.1	roi
_ <i>M</i> /s	790 m	10/00R	Utoles		<u>, c</u>	5	ļ	ļ						ļ	-	25		 			1440	
	165m	101/5=	<u> </u>		む。	2			^	-				l	13	ŞS	<u> </u>	-			MAR	
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Proj e ct:	Jan	(111)		SOIL SA	MΡ	LES		Resi	ults	Plot	ed E	ly: _				/() C			<u> </u>			
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Collectors	:	76+161						Date			egete	1//	90								-	ı
	Sample La	ocation			То	pogr	aphy			V	egeto	ation)				Soi	1	Date	0		
Sample			Notes		Bottom	of slope	d	Ground	Wooded	Wooded			nd	y	Sampled	Depth to Horizon Sample	Horizon	Develop -	Parent	Material		
Number	Line	Station			Vailey	Direction	Hill Top	Level	Heavily	Sparsely	Burnt	Logged	Grassla	Swamp	Horizon	Depth t	B 00 B	Poor	Ori f	Bedrock	Colour	
90 LIJIS-E:		0+75w		/	٥٥	\sim			X	ļ.—					0	130	L	X	X		Brou	
	8+92W	1100 W	previous anomaly		20 100	ζ,			\						B	30					MRB	
	18497W	1125W			ς :	N			X						B	3C					MRO	l
	3120 m/	1125W	1 4		ς <u>.</u>	5			ý	 					B	15	X				K B	1
	8430.1	0+75W	on top of outersp		<u></u>	5			1	 	· ·				13	30	X				15	l
						5			X	1						30					MKI	ŀ
	2+31	0175W						メ	X							30					MKB	
	8+26 2	1tasw		a	S.	W			文						13	30					MRIS	
											L				_	1			ļ		17.	
90L/IIS-E:	8125m	444724A	Light ovange Brown			V			7						Ŗ	30				 -	2019	
	8tasm	91.20 M	previous anomaly		2.	N		1/	Ż						1.	30 30	X		 -		MRIS	
		3+75W	0.1 6					X	X						B	130	 		 	 -	שאקו	ł
N/S		2125W			(3	2				 					12	10	X		 -	 	115	ı
90(11155 :	Sacm	A+SC W	Gray Brown 1-3 cm fin	1.5	<u>(7)</u>				X	 					13	1 <u>5</u>	1-	又	 	 	LO	ł
<u>V</u> V/5		2472 m	Bedrock 1-3m 1/2	aner) C	220	3			×	 					177	18C	 			 	 	ı
MS	3,70m	2+25W		~ - 		 					 				-	 	-		 		 	ĺ
W/s		2+756																	<u> </u>	 	$\vdash \vdash$	l
	000	AF 10 00	1.0.103			1										 	 					
gothics:	Chown	2400E	previous anomaly	1.) %	Ś			ス						B	35	X				17/16	
194/1151	660	1+75 E	previous archarg	1,	, ö	5			X						13	30	X				w	
·····	C+SCm	1+756	in fault between bluffs					X							R	30 30	X				MRS	
	6450m			1	ς ε	ر. ر			×						B.	30	火				1_130	į
	Gtiscm			/	()i)	5			X						ß	37					Lin	ĺ
	6+50m	3 + 75 E			50	<u>ي</u> ک]		X						B	20	X				MAG	i
	GISCM	3100E	1-5 en angelor trays;	nev. anca l	6	5			X						R,	30	×				Misi	
14/5	c+scm	3+ 25E	Taus			L			L									\sqcup				
	6+60 m	3tase		i),ÇE	٤			×						13	28	X				MRB	ĺ
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Project: Area (Grid) Collectors]:	an (1 Sheff	soil s	AMP	LES		Мар	ults o: e		led E		! !	v.T.S ∫ <i>ψ</i> (.: <u> </u>	100	<u>'/ 1</u>	B	10	7 /	/
	Sample La			To	pogr	aphy			٧	eget	atio	1				Soi	i 1	Dat	0	
Sample Number			Notes	Bottom	of slope	٥	Level Ground	Heavily Wooded	Sparsely Wooded			pug	*	Horizon Sampled	Depth to Horizon Sample	Horizon	Develop -		k Material	
	Line	Station		Valley	Direction	Hill Top	Level		Sparsely	Burnt	Logged	Grassland	Swampy			900 g	Poor	Drift	Bedrock	Cotour
90LIIIS-E:	6+60m	3400 E			l		X	又	ļ					B	30 30	X				MRK
	6+60m	A+7SE		<u>36°</u>	W_		 	X.					<u> </u>	13		X	 	 	<u> </u>	MRB MRB
	6+60 m	7+32C	1-3em angular traginants	-	_	 		<u> </u>			 		 	B	90	<u> </u>	X	 	X	MRE
	6+75 m 6+75 m	9100E	1-4 cm adjular fragments	100	<u>S</u>	ļ	ļ	X	 		ļ	ļ			30		 			LB
	6+75m	1+25 E		300	2	<u> </u>	X	X					 	B	90	X	 			MR
	6+ 75m	2425E 2475E	1	100	 		`	X X	 	 -	 			B	35	X	 	-	 -	LBV LBV
	6+15m	<u>み7.75</u> に	1-sem rounded fragments	172°	12								 	B	30	├	╂─┤	X	-	/ bv
1//5	6+75m	3700E	Bedvoit	 	 	<u> </u>	 	 	ļ		 			-			├─┤			
<u> </u>	6+75m	STASE	Bedwich	<u></u>	 	-	ļ	ļ J	 					<u></u>	-	<u></u>	 			
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SOIL SAMPLES	_	• •

Project: ____ Area (Grid):

Results Plotted By: _

Collectors:

Rotember 19,1970 Date

	Sample Le	ocation	,		To	pogr	aphy			٧	egeto	otion					Soil		Data)	
Sample Number	Line	Station	Notes		Valley Bottom	Direction of slope	нін Тор	evel Ground	Heavily Wooded	Sparsely Wooded	Purnt		Grassland	Swampy	Horizon Sampled	Depth to Horizon Sample	Sood Northon	Poor ment	Drift Parent	Bedrock Material	Colour
POLDUSE:		4+25=	Roots, Locky to	lus stra		324			1							LOrm 38cm					08
ALL NEL	970m	4+50E	Na privious Late 4	hus stops		DE				1					A-B	38cm					08
	910m 910n	4+50€	Vine ble-ledroch	Matur forest bus	4	32 4 10 4 10 4 10 6	 	 	//						8	9 km					DB DB
	970n	5+25€	Below Luga rock fac	I in misdow of four		1405E		 	├	1					A-B	Rem					10
	950m	5+50E	ilasa Arrias Arri		_	36€		<u> </u>		-					A-B	4100		1			DE
	950~	5+00€	on tolus slope,	20m above they before	41	36¥ 30¥									A-B	4ten		/			Di
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Project:	SOIL SAMPLES Results Plotted By:	
Area (Grid): NE FELTION OF PROPERTY	Map: N.T.S.:	
Collectors: (Navito 1 Abringe)	Date	

	Sample La	cation	·	T	opogr	aphy			V	ege to	alian	ı				Soi	i	Doto	3	
Sample			Note:	Eo:to:	of slope		Ground	Wooded	\Acoded			,,		Sampled	o Horizon	Horizan	Develop ment	Parent	Material	
Number	Line	Station		Velley 8	Direction	Hill Top	Level G	Heavily	Searses	Surpt	ျခင်ဗီလ	Grassland	Swamay	Horizon	Cepth to Samp	Good	Poor	Orift	Bedrock	Colour
OHILL SE:	1025m	5+00E			Hors			1						B	30en 35en 37en	1				4
	1025m	S+25E			0			7						BB	35cm	V				00
	1025m 1025m	5+50E 41+75E			0			1						R	34cm	V				DE DE DE CE
1/	1025m	4175 ^E 4150 ^E 4125 ^E			30°5									3	34cm 28cm 34cm	1				DE
4	10.25m	1/t25E	Sample was taken 10 metres drum slope		45			V						B	34/0	1				P
BHIIIS-E	1050m	5+50E			1505	ļ -		1	 					3	33 _{cm}	/				Di
0	1050m	5+25E	Under Outerop	• • • •	303	ļ		1	• • •		į			8	131cm	.>	ζ			DBB
	10.50m	5100 E 4176 E 4150 E	Under Outerop Under Outerop Zoods very ordanie		505		:	/						B	43cm	· V				15
, •	1050 m	4+15 11-50E	- Koots very organie	÷	102	:	:	,						B	44cm 34/cm					9
	_1050 m _1050.m	4+25E			5°5 25'5 40'5					•	!			B	Mem					D
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			LB - Right Brown DB - Rolle Brown	n	:			1												
			28 - South Brown	^ .			ļ	!			!		: 						 	-
		, i	Brown.	;	- i			•			!	:								+
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		en e	Long White the				-	-	 			-		-	-	33.5	133		24.54 42.54	

APPENDIX 4

Rock Sample Descriptions

Project: Area (Grid)	AN CHIMS	(CODE 111) B	60x120x	s CA	11/1	- -	F	ROCK	SAMPLES	Results Plotted By: NTS: _/O4 _B/IO, I/	,
Collectors:	MICK MONSIA		REP.	SAM	PIF 7	- TYPE	(LENG	TH)	<u> </u>	Date:Surface_K_ Undergroun	bi
SAMPLE NUMBER	LOCATION	NOTES	REP. SAMPLE NUMBER	GRAB	CHIP		CORE	FLOAT	ROCK TYPE		IAP IEET
90-14-111-1	Along 825	n contour		1		0			SsT	Black selected set is numerous sub- unalled 1	AN 4
001	wil line	at 825 relie	,							13-4 mm abbite weinlets and larger chest	
(1 - V - V - V	1+80W	<u> </u>					ļ	 		interbeds up to 10cm week. Ednen.	1 //
90-H-///- N	Along 875m line, at 80	contour soil	<u> </u>			-		<u> </u>	QTZ YEIN EX	Vuggy, draw aty ven brecce hosted in	
002	3755 W	on Mation,								(Previously sandaled in 1988 # DMC1/Oc /44612/88)	
90-14-111-1X		90-H-111-R-002		/					SST	Silealiet hort rock of above somple.	11
003	<u> </u>	•	ļ				ļ	<u> </u>		760 visible sulphs. Y	
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KEEWAIIN	ENGINEERING INC.	
RO	CK SAMPLES	

Project:Project:	ROCK SAMPLES	Results Plotted By:
Area (Grid): NE CORNER		Map: NTS: 104B/10411
Collectors: A. TRAVIS K. BURKE		Date: JUNE 131 Surface V Underground

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·011661012· -	A. TRAVIS R. DURKE				-				Date: Ovive 13 Surface V Ondergro	
		REP.	SAM	PLE 1	YPE	(LENG	тн)			
SAMPLE NUMBER	LOCATION NOTES	SAMPLE NUMBER	I 4	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP
90T 111	~ 885m Elevation on							SHEARED	(JOSSANOUS ZONG ON WESTERN SIDE OF CREEK.	
R 001	CREEK IN NE CORNER OF							FRACTURED	(UPPERMENT GOSSAN), MINDE QU VENLETS, PYRITE	
	CLAIMS (WEST SIDE)							INTRUSIVE?	ALCOLO FRACTURES VEINLETS + DISSEM, MINOR POL	
	FLOAT SAMPLE COMING								HEAVILY SMEARED, PYRITIZED. MOST PYRITE RICH	
R-002	OUT OF GULLY WITH GOSSANDE	3					V	Intrusive?	KAMPLE SLIGHTLY DARKER GOSSANIUS COLOUR.	
	ZONE OF ABOVE SAMPLE						<u> </u>	CUARSE HYROCIUMU	,	
	ON EASTERN SIPLAY AT		<u> </u>				<u> </u>	ALIBRED	PYRITE + QUARTZ RICH PO.S. (2'x5')	
R 003	NGOOM ELEVATION		<u> </u>					Intrusive	SAMPLE ACROSS & , PYRITE LOCALLY UP TO 75%	
									SAMPLE ACROSS & , PYRITE LOCALLY UP TO 75% In ("xt" lenses in poo, PYRITE WENTHERS YELLOUIS'H	
									, ,	
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ROCK SAMPLES Project: IAN Results Plotted By: Area (Grid): E (east of Verrett R.) Map: ______ NTS: ____ NTS: ____ NTS: ____ Surface ✓ Underground ____ Collectors: ___ RP & AK SAMPLE TYPE (LENGTH) REP. ROCK SAMPLE CHANNEL MAP SAMPLE LOCATION NOTES CHIP SAMPLE DESCRIPTION TYPE NUMBER SHEET NUMBER And. Tuff Pe f.f. 4 dissems to 7%; well fract; Pyx to 7%.

Breccia rare frags (bleached in hornblde to 5mm) to 3×4cm.
Pyx And. Pe to 5%; v. well fract: friable; minor ep shrs. 10R111R-001 \$10melev²; sub. gulley off ck. on E. side of property "-002 820melev² Pyx And 3-7% PowPy; Fract; feld xstals to bottom of unit "-003 840m eley" -004 NOME of 003; 830melor Pyx And 1-9% diss & f.f. Po

Project:	RUCK SAMPLES	Results Plotted By:	
Area (Grid): weig stoig 450 m elevention		,	14.8/10W.11E
Collectors: P. Lulyashi		Date: 1.06.90	SurfaceUnderground_

onectors: _	J. Lulya	, u,				 			·	Date:Surface Underground
SAMPLE NUMBER	LOCATION	NOTES	REP. SAMPLE NUMBER	89	CHIP PLE		CORE	TOOR TABE T	ROCK TYPE	SAMPLE DESCRIPTION MA
ELIII R-OCI	0+25W	450m elev		1					Burny	Dissemmaked punt. greensh nock
·									1 / /	Dissemmaked punt. greensh nock
R-662	1+10 W	445m Llev	ļ	V					Cartenat mil	Hilt, no minualization. biaci - gray in colour
****				<u> </u>		ļ				black - gruy in colour
C-003	2173 W	453m olev			0,8 m				Portyry Tuff	HUL+, dissendinated partie. Cartinate vernices - HUL+
			 				<u> </u>			Carbonake velolists-ACC+
C-064	4+40 N	443 m elev			64m				Toff	Dissear Pyrike.
										Disseur synthe. Block-gray rock.
C-1955	4+32W	442 melev			0.4m				Tujij	Discon pyrite. Blini-gree, with.
				-	-		<u> </u>			Bleni-gra, wil.
C- C06	5+15W	465 melev.			Citm					Brock that with disselvemented protte.
							<u> </u>		Sitic fied	
R-10+	5+20W	465 in elev		V					·	Black rock utthe disseminated guite.
			<u> </u>	ļ			<u> </u>		silicified tuff	
									170//	
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Project: ______IAN **ROCK SAMPLES** Results Plotted By: _____ Area (Grid): Ensi VERRET Map: _____ NTS: _/54 B 10 + 1/
Date: ____ Surface _ Underground ____ Collectors: A. TRAVIS SAMPLE TYPE (LENGTH) REP. ROCK CHANNEL SAMPLE MAP SAMPLE LOCATION NOTES CHIP CORE SAMPLE DESCRIPTION NUMBER **TYPE** SHEET NUMBER SILICIFICO PALE GREEN-GREY, FINE GRAINED FRACTURE 90T111R004 8195m 4+25E TUFF PYRITE (SILVERY COLOURED)

ROCK SAMPLES Results Plotted By:

Map: NTS: 104 B / 10 hr. 11 E

Date: 206.90 Surface Underground SAMPLE TYPE (LENGTH) REP. CHANNEL ROCK SAMPLE MAP SAMPLE LOCATION NOTES SAMPLE DESCRIPTION TYPE NUMBER SHEET NUMBER Etgün 450m ele. White their Kule istance ted with stice leases /?/of continuede & sitiofa Taff HELT, Pyrite dissensuated. XX LIII (-008 White chert Rock saturated with silica. Estheofic Tuff Disseminated pyrthe. 11+50h' 1/48 n: elev taken from under the tree (probably in situ). K-009 ľ

	Joilectors:	KI & A K							<u> </u>	Date: Surface Undergro	Junu
NUMBER LOCATION NOTES SAMPLE DESCRIPTION 90RINC-005 at apprex. 320B/L 0+46S 0.31 Shear minor patchy CPy, lo & tr. Mal & Az. with white to greyish white gtz 90RINC-006 h/w to *005 1.00 Andesitic v. minor Py; a few small rusty patches; Tuff Brecc. greyish weathering 90RINC-007 f/w to *005 0.90 Andesitic v. well fact: minor Py; minor to med carb ff. Tulf Brecc.			REP.	SAM	PLE T	YPE	(LENG	TH)			
90RIIIC-005 at approx. 320B/L 0+46S 0.31 Shear minor patchy CPy, Po & tr. Mal & Az. with white to greyish white qtz 90RIIIC-006 h/w to #005 1.00 Andesitic v. minor Py; a few small rusty patches; Tuff Brecc. greyish weathering 90RIIIC-007 f/w to #005 0.90 Andesitic v. well fract ; minor Py; minor to mod carb ff. Tuff Brecc.		LOCATION NOTES		GRAB	CHIP	CHANNEL	CORE	FLOAT		SAMPLE DESCRIPTION	MAP SHEET
90RIIIC-006 H/ω to #005 1.00 Andesitic V. minor Py; a few small rusty patcles; Tuff Brecc. greyish weathering 90RIIIC-007 f/ω to #005 0.90 Andesitic V. well fract:; minor Py; minor to mod carb ff. Tuff Brecc.	90 RHC-005	at apprex. 320 B/L 0+465							Shear	minor patchy CPy, Po & tr. Mal + Az. with	
90RIIIC-007 f/ω to #005 0.90 And sitic v well fract:; minor Py; minor to mod carbff. Tuff Brecc.								i	}	,	
908111C-007 f/w to #005 0.90 And sitic v well fract: ; minor Fy; minor to mod carbff. Tuff Brece.	90R111C-006	Ww to #005			1.00				Andesitic	v. minor Py; a few small rusty patches;	
Tuff Brecc											
	90R111C-007	f/w to #005			o.u				Andositic	v. well fract: ; minor Py; minor to mod carb ff.	
TORME-OUS 48.6m \$262° from V All And. Silver ; 1-378 ; patchy 1 str qtz; fract; 320M B/L 0+22.4S Tuff Breec. beside a F.f. dyke.	i.								Tuff Brecc.		
320H B/L 0+23.4S Toff Brew. beside & F.F. dyke	ICRIIIR-008			V					Alt. And.	silicif.; 1-37, Py; patchy & str. qtz; fract;	
		320H B/L 0+22.45					 		Juft Breec.	beside å F.F. Ayke	
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Project: Area (Grid):	IAN4 NEST SIDE	275m el	levation			-	F	ROCK	SAMPLES	Results Plotted By: Man: NTS: 104 B/10W / 11E	
Collectors:	F. Luty	iski				-				Map: NTS: NTS: NTS:	und
			REP.	SAM	PLE 1	YPE	(LENG	TH)	,		
SAMPLE NUMBER	LOCATION	NOTES	SAMPLE NUMBER	1 4	СНІР	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET
90'L111 R-010	1+92N 2	79 m elev		V					Sitiufical	Kock is whole-grey in colour.	_
									Toff (Chart)	Lock is whole-grey in colour.	
			·						77	" /	
901 111 C-011	2+40W 2	85m elev			In				Selicified	Proposite colour, stilled sock full or	
·									Stlicified Tuff	pointing) very magnetic.	
···									//	portury) very magnetic. Tynke magnetite hometite mineralization ~ 2%	
901111 C-012	2+4110 28	34 m elev.			1m				Sticified	hematike colour, sitie! fied nock ! tuff or posphy- ry) very magnetic Brite magnetike homatike in meralization ~ 2%	
									Tuff	ry). Very magnetic	
									<u> </u>	Synte mabuchite boundit in meralization~2%	
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ROCK SAMPLES Results Plotted By: ____ Area (Grid): VERRET (CAST) Map: _____ NTS: _____ NTS: _____ NTS: _____ Underground___ Collectors: A. TRAVIS REP SAMPLE TYPE (LENGTH) ROCK SAMPLE MAP SAMPLE LOCATION NOTES SAMPLE DESCRIPTION TYPE NUMBER SHEET NUMBER 825m ELEVATION IN CREEK Qtz VEINED CHIPS ACROSS 10" (TRUE WWTH?) UP TO 50% PYRITE 90TTHR-010 THAT RUNS NORTH-SOUTH .28 t SHEARED VERY IRREGULARY POUDY, TRENDS 260°, TRACE Pos Intrusive CPV PREVIOUS SAMPLES: 87 AMR 9.10, 87 AKR-12 ALONG EASTERN CLAIM BOUNDARY 2 m away from atz VEINED VERY SIMILAR TO R-010, IN FACT MAYBE R-011 Sample R-010 SAME ZONE CONTATED AND FOR FAULTED + SHEARED HOD INTRUSIVE SAME LOCATION AS CONTINUOUS CHIP ACROSS OK For 4m. This Qtz VEINED 1.36 R-012 R-010 R-011 includes both zones, individually + SHEAREI) Poo INTRUSIVE Sampled as above. NOTE: SAMPLES 90 TILLR-008-009 NOT TAKEN

ROCK SAMPLES Results Plotted By: _____ Map: ______ NTS: 104 B/10

Date: _____ NTS: ____ Surface ___ Underground ____ SAMPLE TYPE (LENGTH) REP. ROCK SAMPLE & VE MAP CHANNEL SAMPLE LOCATION NOTES SAMPLE DESCRIPTION TYPE NUMBER SHEET AGCILIBOOL CONTOUR LINE E:660M ANDESITE DARK GREEN SUICIFIED TUFF 27+10E. TUKK @ CONTACT W DIORITE/MONZONITE 2-3% FY ELEBS.

Area (Grid):NTS:NTS:NTS:NTS:NTS:NTS:NTS:	Project:	Results Plotted By:	
Collectors: H. TRAVIS V. MACO Date: JUNE 10/90 Surface V Underground_	•		
		Date: JUNE 10 /90 Surface / Undergr	ound

Ollectors	H.7RAUIS V.1417				-				Date: Surface Undergroun	10
SAMDI E		REP.				(LENG		ROCK		AAP
SAMPLE NUMBER	LOCATION NOTES	SAMPLE NUMBER	-	CHIP	CHANNEL	CORE	FLOAT	TYPE		HEE
	675m ELEVATION IN							Q12 VEINCO	TINY VEINCETS OF GALGNA (< U.S.C.M)	
OTHIC-013	CREEK THAT RUNS N-S			-30				+ FLOQUEN	AND 1-5% Cpy principally along HW, VEIN	
· <u></u>	ALCON'S EASTERN CLAIM ROUNDARY							AHU TUFF	BUCH WINE EXPLOSO FOR ~15M. 06/58E	
	SAME AS ABOVE							Cetz+ Carb	MARIPOSITE? Disseminated galery 1-3%	
07/1/1R-014	V/5m ELEVATION BILOW		V					Alt'd TUFF		
·	CONTRUE SOIL CINE (1990)					ļ			Pene could be up to 3m. (in creek)	
	AS BBOVE, RIGHT			ļ				Qt2+CARB	GOSSIMOUS FRACTURES + PITS (FE-CARB?)	
" B-015	IN CRUCK 5m			<u> </u>			<u> </u>	AHU TUFF		
	BE10.0 014								(1%), Pyrite (1%) MALIKHITE (21%)	
	AS ABOVE, ON								PYRITE ALLONG FRACTURES + VEINLETS	
11 R-016	WESTERN BANK	ļ	V			<u> </u>		AUV TUFF	IN GREY COLCURED ALT P THE CARB	
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KEEWATIN ENGINEERING INC. **ROCK SAMPLES** Project: _______ Results Plotted By: Area (Grid): NW IAN 4 Map: _____ NTS: 104 3 104 11 Date: Sone 12/90 Surface Underground Collectors: ATRAVIS V. Mala SAMPLE TYPE (LENGTH) REP. ROCK SAMPLE CH CHIP GRAB BARMIN MAP LOCATION NOTES SAMPLE DESCRIPTION TYPE NUMBER SHEET Altered ~ 100m NE OF HELIPAD TAKEN BY VAUN, DARK GREW, CLUSE TO 90 THIR-017 IN NE GERNER OF VOICANIC CONTACT WITH INTRUSIVES (MONZOUIDRING) IAN 2. TUFF >) FRACTURE PYRITE UP TO 10%. ZUNE UP TO Im wile? LENGTH?, SciGHTLY VUGGY Silicified Narrow (max. 6") trends 74/403 along
Toff fructure, quarte flooding, gossanow fructures
up to 10 % Right, white Surve Continued hydrozucite?) 7m South of 375E R-018 CONDUR 24150 W SUIL LINE

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KEEWATIN ENGINEERING INC. **ROCK SAMPLES**

Project: TAN Results Plotted By: Area (Grid):_____ WEST OF VERRET RIVER Collectors: A KAPLAN A. TRAVIS Date: June 13/90 Surface V Underground_ SAMPLE TYPE (LENGTH) REP. SAMPLE ROCK MAP SAMPLE @ NUMBER & SAMPLE LOCATION NOTES CHIP FLOAT CORE SAMPLE DESCRIPTION **NUMBER** TYPE SHEET ~730m 30m NORTH OF FRACTURE + DISSEMWATED PYRITE (TAKEN BY A. KARLAN 90THER-014 CREEK LOCATED IN DIURITE SHID TO BE IN PLACE, ~ 5% PYRITE EXTREME NW CORNER OF IAND NO SAMPLE TAG LEFT IN FIELD. HORNFELSED Pyrite + Pyrihotite very fine grained up to 25%?

SIETSTONE IN Grey I black sediment, fracture mineralization
also, Carb veints with epidote v700m D5m FROM R-GZO CREEK (SAME AS R-019) SILTSTONE

ROCK SAMPLES

	IRN WEST (2)					•	HUUK	SAMPLES	Results Plotted By:							
Area (Grid):_	W. MURHEAD & LEONAR				-		Map: NTS:									
Collectors: _	MUIRHEAD & LEONAR	ZD	·····		_			.	Date: 13/06/90 Surface Underground							
		REP.	SAM	PLE '	TYPE			BOCK	1	_						
SAMPLE NUMBER	LOCATION NOTES	SAMPLE NUMBER	1 4	CHIP	CHANNEL	CORE		ROCK TYPE	SAMPLE DESCRIPTION SHE							
HCAMR-COZ	NAT CORNER LAN 2		v					9.1	NARROW - 1 - Clam qu. (PINKA) & SUNCE							
	CLAIM 2220 m. S. W		<u> </u>	<u> </u>	<u></u>	<u> </u>		<i>F</i>	WAS LANGE BLEE CON							
	OF THOOM ON	·				<u> </u>			TR Mal, TR-1% Zn S.							
	1989 SOLL CONTOUR	<u> </u>	<u> </u>	<u> </u>	<u> </u>											
	375M ELEV & 460 m		<u> </u>	<u> </u>	<u> </u>											
	hatellish in the field as R-007		<u> </u>		<u> </u>	<u> </u>										
GOALLIR-OC	NE IAN Z CLAIM	<u> </u>	V	<u> </u>		<u> </u>	ļ	ANDUSITE	BRECCIATED TOFFACECUS ANDESITE							
	150.300 m WEST OF				<u> </u>	<u> </u>		PROCEIA.	HEALED WEPIDOTE 8+%							
	7+00N 1989 375-M.				<u> </u>				FINE DISS & BLEB Py (Zn5 ? Po?)							
	Labelled in the fold as R-003								/							
									* NOTE!							
									0							
]				THESE SAMPLES WERE TRAGED							
			<u></u>						INTHE FIELD AS GORIUR-007							
									E 90AUIR-008							
								'								
	-															
•																

Project: Area (Grid):_ Collectors: _	TANR (WEST) WEST OF VERNET RHONSINGER				. C. VV - -			SAMPLES	Results Plotted By: Map: 1.5000 EASE NTS: 1048/0/11 Date: June 13 1990 Surface Undergrou	und
SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	AB	CH.		CORE (LENG	FLOAT (H15	ROCK TYPE	CAMPLE DESCRIPTION	MAP SHEET
90H///K-004	360 M DUE 098° FROM HELIPAD LOCATED AT NORTH CENTRAL LANZ, 470 M ELEV	0	✓ -					ASA VUEF	AT CONTACT WITH AST CONGLOMERATE.	
	•									

ROCK SAMPLES Project: TAN Results Plotted By: Map: _____NTS: _____NTS: _____NTS: ______NTS: ______NTS: _______NTS: ______NTS: ______NTS: ______NTS: ______NTS: ______NTS: _______NTS: _______NTS: ______NTS: _____NTS: ______NTS: ______NTS: ______NTS: _____NTS: ______NTS: _____NTS: ______NTS: _____NTS: ______NTS: _____NTS: _____NTS: _____NTS: ______NTS: _____NTS: ______NTS: _______NTS: ______NTS: ______NTS: _______NTS: Area (Grid): EAST TRAVIS Collectors: _____ SAMPLE TYPE (LENGTH) REP. ROCK SAMPLE MAP SAMPLE & WAR SAMPLE CORE LOCATION NOTES SAMPLE DESCRIPTION TYPE NUMBER SHEET Elevation 2740' CHERTY FOUND BY S Sheffield, WITH MINUR MALACHINE 90THR-040 ~60m WEST OF STAINING AND ~1% PYRITE, TRIKE CPY, TUFF CREEK FRACTURE MINDERWITTION PRIMARILY NOTE: This sample It is out of SCOUENCE LAST SAMPLE THKEN 907 111R-020

ROCK SAMPLES IAN Project: Results Plotted By: Area (Grid): EAST Map: _____ NTS: ____ /04 8 / 10 + 11

Date: ____ July 31 / 90 ____ Surface ___ Underground ___ TRAVIS / MUIRHEAD Collectors: ____ SAMPLE TYPE (LENGTH) REP ROCK SAMPLE MAP SAMPLE GRAB LOCATION NOTES SAMPLE DESCRIPTION CHIP TYPE NUMBER SHEET NUMBER GREY, FINE GRAINED SILICIFIED WITH 1-3% SILICIFIED 90THR-021 785m /5+00W 1'Y COLLED POSSIBLY RE P FINE TUFF? GRAWED Intrusive

ROCK SAMPLES Results Plotted By: _____ Map: ______ NTS: _____ 1048/1091\
Date: _____ August 1st/20 Surface Underground ____ Area (Grid): ______ P Lutejuskii SAMPLE TYPE (LENGTH) REP. SAMPLE ROCK CHANNEL SAMPLE MAP GRAB LOCATION NOTES CHIP TYPE SAMPLE DESCRIPTION NUMBER SHEET NUMBER Lich with to ally 1-4% observanted poste without

Been with rove possible to abstrate 176/48"W. Longth

of wondered hiff. Im Carbonation 62% o

North red boun colour four homewith dissummation

ord rolets up to Zen, pile - Sur long.

In my amount of unequetita in rock 65/10)%

he will rove appears to be rimil un ride out whe JOL 111 R-013 Elev 825 4 /1125W Lapithe luff 901111R-014 Elou 827, 2125 W tenselike e Paralet sel wite.

Collectors: ___

Area (Grid): Eost

P. Lutynslu

ROCK SAMPLES

Results Plotted By: ___

		REP.	SAM	PLE '	TYPE	(LEN	этн)			
SAMPLE NUMBER	LOCATION NOTES	SAMPLE NUMBER	-	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	SHEE
90LIIIR-015	4-49W /990m		1/					Gh dows.	whate ghe low (vern?) sem ande mon las long	
									with on a fletude 188/73°E	
201117 215	7 - 73			_	-	_			Poch contains dissen by up to 3% > Wall work for a.T.	
902111R-C16	4+57W/960m		v		 			HD (°).	could be tal with constatued madix. Sough taken	
				-	├—		-		from outrog Im & 3 in.	
90/11/2017	Stoon /957n		~	-	-	-	-		Present - 3%, +, Py	-
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				-	\vdash		-		(or gr.). Piribe of the brecita some 246/825(:)	-
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1	ROCK SAMPLES	
roject:(ACJ	Results Plotted By:	,
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ollectors: A. How SINGLIE	Date: 54A7 197 90 So	ırfa

ge ___ Underground__

			REP.	SAM	PLE		(LENG	TH)			
SAMPLE NUMBER	LOCATION	NOTES	SAMPLE NUMBER	GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	SHEE
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APPENDIX 5

Geochemical Anomaly Investigations

14N-111	PROJECT

PREVIOUS SOIL ANOMALY (ALAS) - 90 INVESTIGATION Element(s) Year

1) Location: 970m/4+50E, 5+00E, 5+50E

2) Previous Value(s): 4+50E - 5,2 pm Ag, 5+00E-40pp 6 Au, 1ppm As, 5+50E-53pp 6 Au, 589ppm As, 5.6 ppm Ag

3) Year Collected: 1990

4) Date of Investigation: July 3/

5) Investigator(s): S. Sheffield, P. Lutyusler, R. Honsinger

6) Description of Previous Sample Collected:

5+50 E sample taken intalus. poor B horizon development, heavily

Fragments talus (50-60 070). Brown

5+00 E Bronzon poor de productioned and taken fragments.

4+50 E Bronzon well developed

7) Description of New Sample:

Stace sample taken in previous soil location, same as above. 40 mm depth stace Brown soil, sampled at som in previous sample hale, poor Bhorison development 4+50E Brown soils, sampled at 20 m depth in previous sample hale, poor Bhorison development.

8) Description of Topography:

Blut and wir a 34 Take whom decending southward

9) Results of Investigation:

Western side of the investigated area constits of (eintal) timestone. The central

jart sourists of around 25 m wide transformal zone & dimestone and

Antifaceous rock type methods. Towards the east amount of suffaceous hornous

increase and dimestone is reduced up to the point where Limestone is no more

present. Castem side of investigated area cousist of interiffed ash tuff, elepitli tuff

(possibly some flows) and moundroiste on the far end.

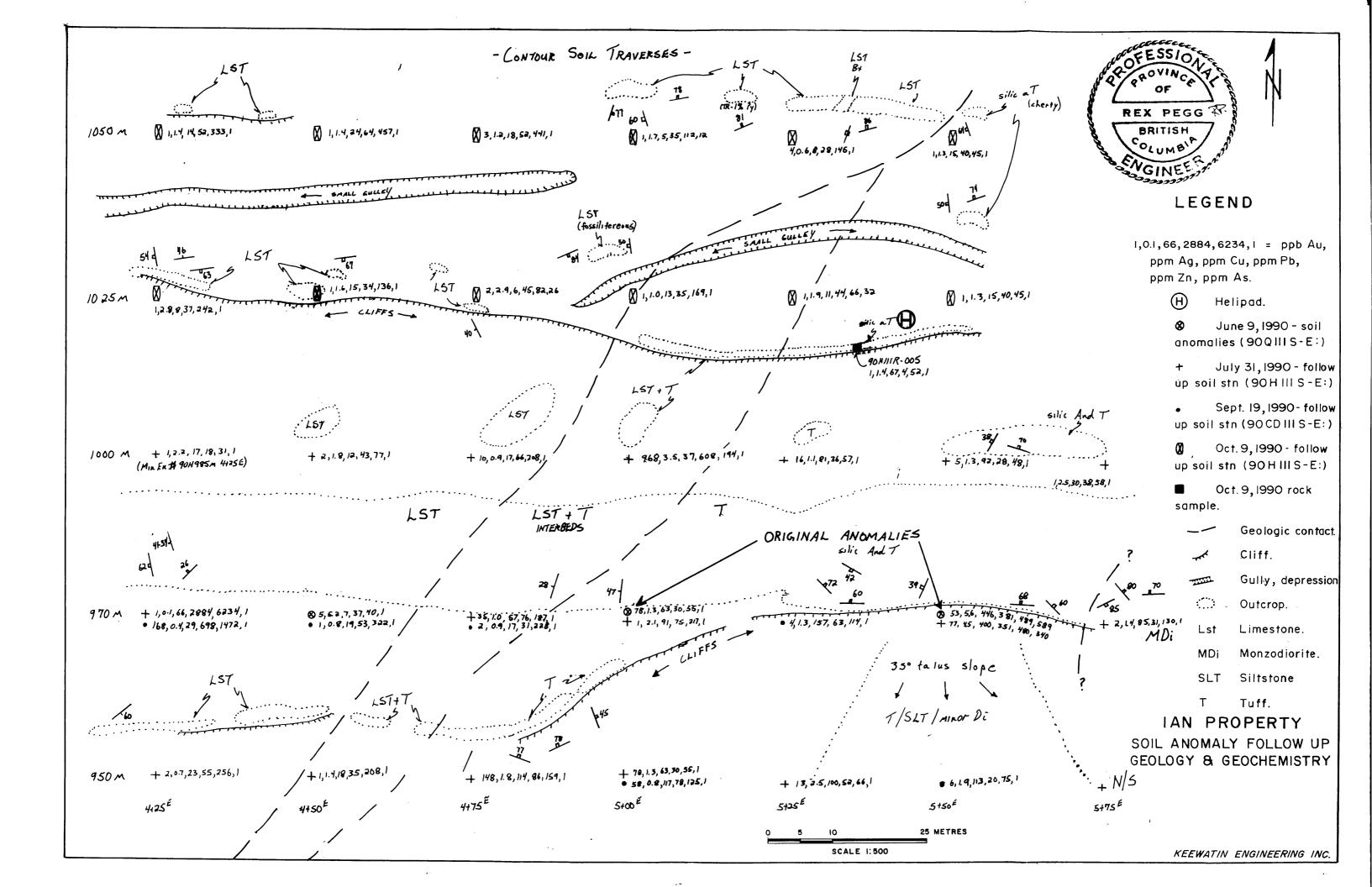
Bedding in transformal zone measured in tuffs and limestone appears to have

10) Conclusions:

an attitude 180-200° | 28-50 W

No immediate source of monutation was found.

Mineralization could be related to the contact rone between monrodo. He and fulfaccours or limestone rock.



<u> IAN</u>	PROJECT
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PREVIOUS SOIL ANOMALY (Au, As.) - 1990 INVESTIGATION Element(s) Year

- 1) Location: E: 970M/1+50 W
- 2) Previous Value(s): 2ppb, Au, 98 ppm As.
- 3) Year Collected: 1990
- 4) Date of Investigation: JULY 31, 1990.
- 5) Investigator(s): MUIRHEAD/TRAVIS.
- 6) Description of Previous Sample Collected: B HORIZON @ 25-30 cm.

 FAIR HORIZ: DEVELOPMENT ON 10-15° S. SLOPE

 SMALL HUMMOCK. MED. Rd/Br.

 MODERATELY WOODED.
- 7) Description of New Sample:
 AS ABONE IM EAST OF ORIGINIAL, 35 cm DEPTH.
- 8) Description of Topography:

 SMALL (Zm) HUMMOCK, SAMPLED ON SOUTH SLOPE 10°15° GENERAL SLOPE ANGLE 25-30°
- PETRILED GEOLOGIC HAPPING FOUND MAINLY ANDESITIC TUFFS

 Z ASH TUFFS TYPICALLY WITH 1-3% FY/FO MINERALIZATION, PLSO

 A SMALL LIMESTONE UNIT WAS MAPPED.

 SOIL AT THE ANDMALY SITE APPEARED TO BE WELL DEVELOPE

 BEDROCK DERIVED, THOUGH THE DETAIL GRID SOILS APPEAR

 TRANSPORTED.
 - 10) Conclusions:

NO IMMEDIATE SOURCE FOR THE ANOMALY WAS

APPARENT THE ANOMALOUS SAMPLE WAS COLLECTED

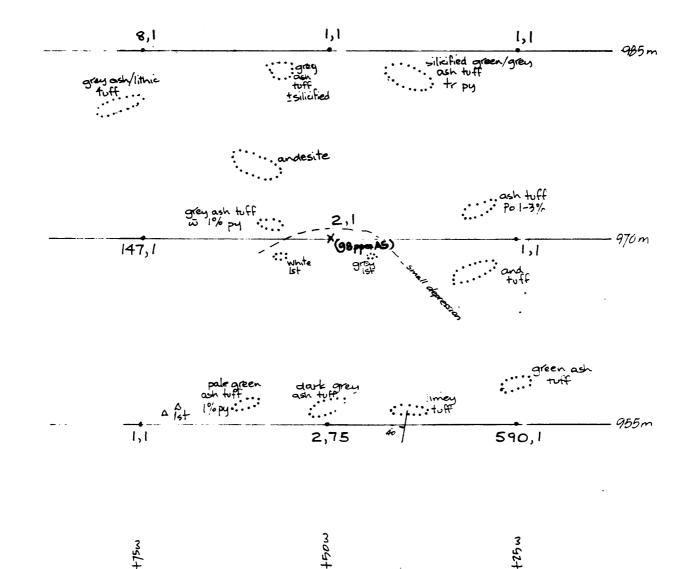
AT THE EDGE OF A SMALL DEPRESSION ON A LESS STEEP

AREA POSSIBLE AROUND WATER CONCENTRATION OF AS

FROM UPSLOPE?

Soil Anomaly FOLLOW-UP IAN 970 m / 1+50 W

July 31/90 Adam FNZY



Scale 1:500

LEGEND

147, 1

1st

•:::

Δ

detailed soil site duplicate soil site PPBAU, PPMAS

limestone

outcrop

float

IAN	F	R	O	J	EC	T	

PREVIOUS SOIL ANOMALY (AU, As) - 1990 INVESTIGATION Element(s) Year

- 1) Location: E: 970M/4+50W & 5+00W
- 2) Previous Value(s): 4+50w: 57ppbAu, 2ppmAs. 5+00W: 34ppbAu, 1ppm As.
- 3) Year Collected: 1990
- 4) Date of Investigation: JULY 31,1990
- 5) Investigator(s): TRAVIS, MUIRKEAD
- 6) Description of Previous Sample Collected:

 4+50 W 30 cm. BC HORIZ. DRIFT, 3-5 cm BUB ANGULAR TALUS

 POOR DEVELOPMENT, MED. Rd/Br.

 5+00 W 30cm. "B" HORIZ BIR. FAIR DEVELOPMENT.

 MED. Rd/Br.
- 7) Description of New Sample:
 4+50W 35cm BC HORIZ, POOR DRIFT, HED Rd/Br.
 5+00W 30 cm. B HORIZ, FRIR, BEDROCK, MED Rd/Br.
- 8) Description of Topography:

 4+50W 35° S.E. SLOPE. MODERATELY WOODED. TALUS
 AREA W. BRUSH.

 5+00W. 25° SW. SLOPE. MODERATELY WOODED
- 9) Results of Investigation:

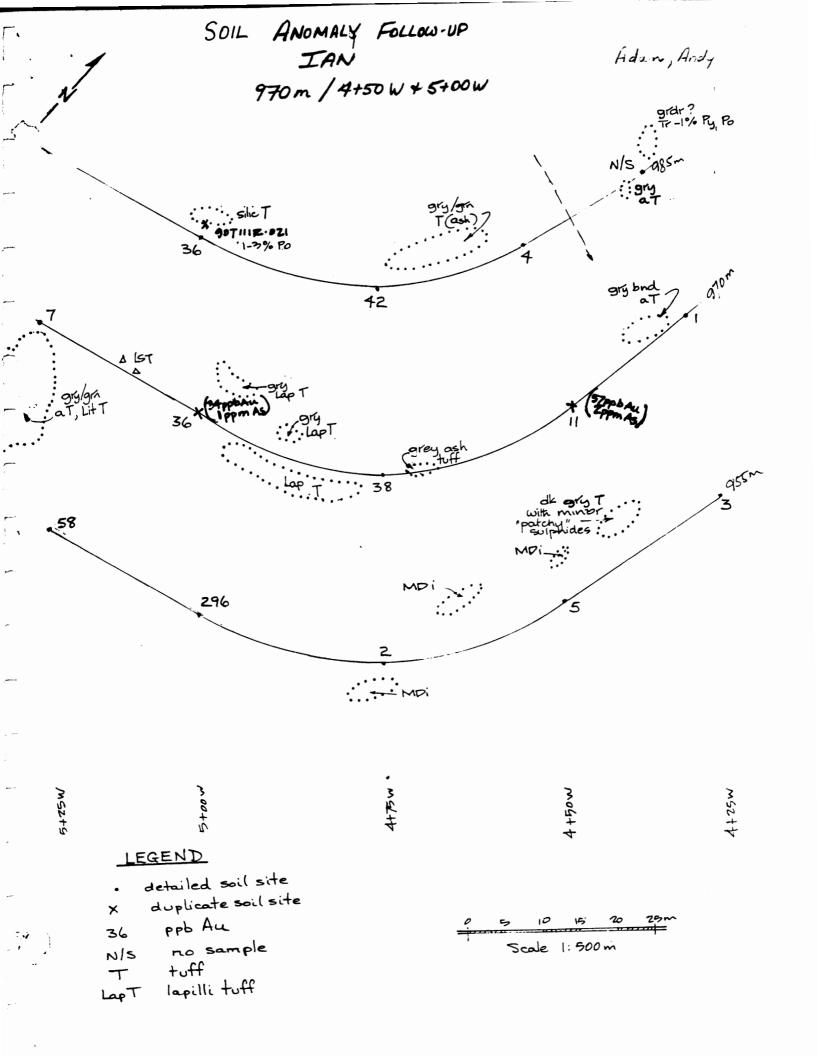
The investigated area consists of ash to lappelle toffs that have been introded by monzedecide to grandient introsions

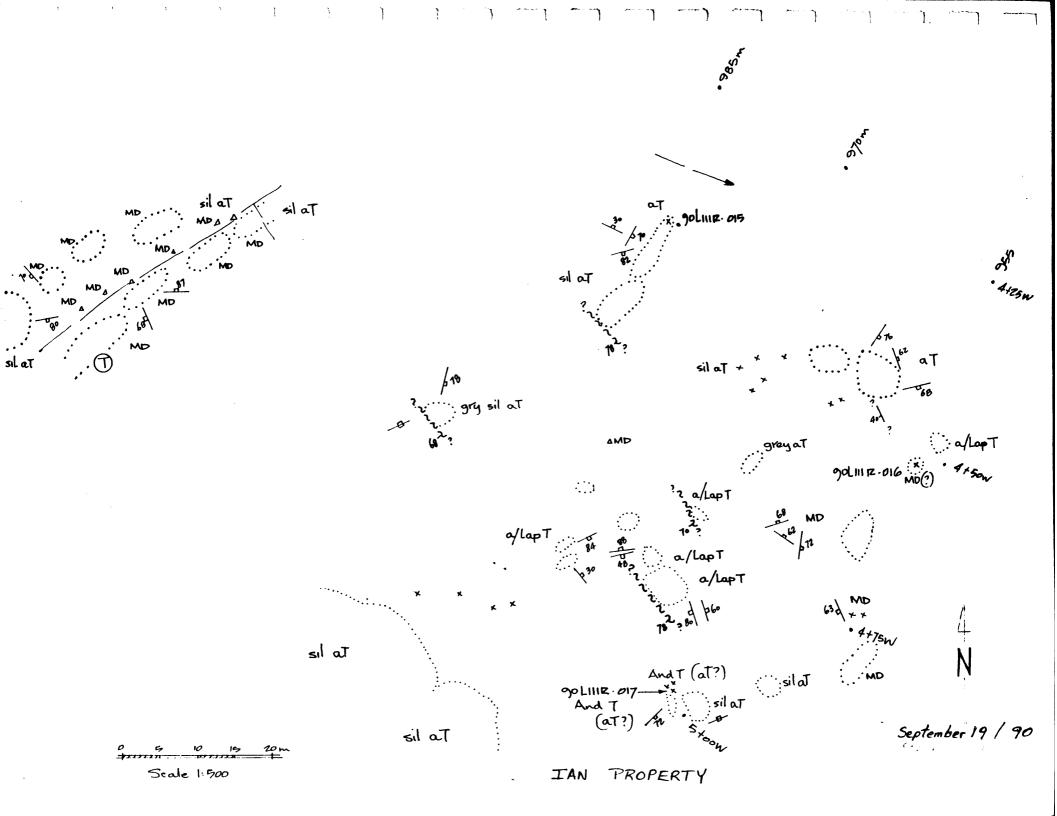
10) Conclusions:

No immediate source et mineralization was found to account for anomalous values.

Sample 907111R-021 was taken of a silicified toff?

Cold 1-3 1/2 pyrohotife





PREVIOUS SOIL ANOMALY (AU) - 90 INVESTIGATION Element(s) Year

NEAR NORTHERN CLAIM BOUNDARY 50 m WEST OF CLAIM LWE BETWEEN IAN 2 + IAN 4 e(s): 375 ppb AU 1)

Previous Value(s): 2)

3) Year Collected: 1937 HITEC

June 12/90 4) Date of Investigation:

5) A.TRAUS, V. Malo J. Lenard, S. Sheffield. Investigator(s):

Description of Previous Sample Collected: 6)

> GR 7: 375 ppb AU Sample was not located.

7)

Description of New Sample:

No new Sample taken, generally 1 the outerop

which is a monzodionte

8) Description of Topography:

Bluffy well tread little outerop

Results of Investigation: 9)

Very hard to find scrapte as it is not near any flagged lines or definite topographic feature.

10) Conclusions:

Sample was not found

TAN PROJECT

PREVIOUS SOIL ANOMALY (A_{ν}) - $\frac{90}{\text{Year}}$ INVESTIGATION

Location: 8+25m 10+50E 1)

Previous Value(s): 225 pl Au, 4pm As

1990 3) Year Collected:

July 27/90 Date of Investigation:

TRAVIS, Sheffield, Lutynski, Kaplan 5) Investigator(s):

Description of Previous Sample Collected: 6) see below, good sample

7) Description of New Sample: Poorly developed Bhorizon. Brown soil sampled at a depth of also in old sample hole. Talus fragments 1-4 mm.

8) Description of Topography: 30 slope running south, talus throughout area, mature firest

9) Results of Investigation:

> The sample was taken from a talus slide area. Appreximately 50m above sample cliffs of pale green toff occur. Two cuterps? (large builders!) TALLS BLOCKS are also composed chiefly of Silicified ash toff. TRACE amounts of disseminated pyrite

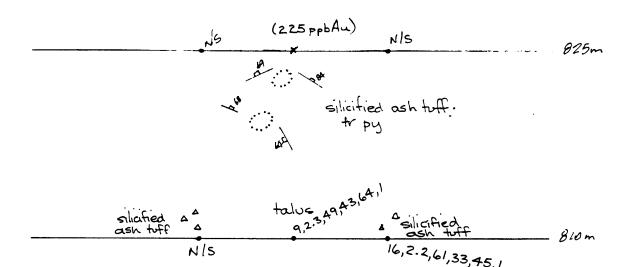
Conclusions: within the toffs 10)

> No immediate source of mineralization was found to account for anomalous value.

ACAR, HASTEN FROM THE

90 6/45-E: 825m /10+50 E (AD 885 ppc)

102,2.5,173,38,44,1 + alus + alder slopes w green tuff float



LEGEND THE GOTHIS-E:

LEGEND THE STATE OF TH

float

14N-111 PR	O	JECT
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PREVIOUS SILT ANOMALY (As) - 90 INVESTIGATION

Location: 825 m / 7+75 E

Previous Value(s): 21 pp ~ AS.

Year Collected: 1990

Date of Investigation: July 3/

Investigator(s): S. Sheffreld. P. Lugushr. R. Housinger

Description of Previous Sample Collected: 6) And and will in active 1/2 n wide Som dies medium vilouty itseam. (refer to 1990 somple # 908/1/2.001)

fame as above with Franchis collected, are 12.5 m up theore (904/11/2-002) and one which 25 m downteen Description of New Sample: 7) 1(90H 111L-007)

Timaced beingh below 30° alder and devile alst- talus Description of Topography: 8) slope (below = S).

Results of Investigation: 9)

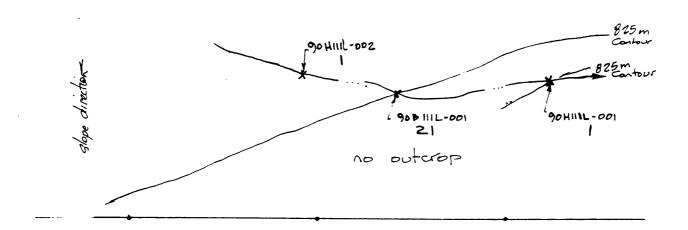
No outcops were mapped on the investigated area. Area is overgnown with alder bushes and devil dut plants Two self samples were taken. One 12.5m up the stream from anomalous self sample and one 25m down the stream from anomalous solt sample.

10) Conclusions:

No immediate source of unevaluation was found. forubly related To soil anomaly of 589 ppn As located ~ 300 n upstream at 970 nélevatione, 5+50 € (tales dramage mech).

IAN
Silt anomaly follow up
825m/7+75E

no outcrop - devils club & slide alder



LEGEND

x silt sample site I ppm As

-...- creek

762E

7475E

7495E

0 5 10 15 20 25m Scale 1:500

PREVIOUS SOIL ANOMALY (Ag) - 90 INVESTIGATION Element(s) Year

825m, 1+00 W Location: 1)

Previous Value(s): 4.0 ppm Ag 2)

3) Year Collected: 1990

Date of Investigation: Aug 1/40

Investigator(s): Steve 5 / Piotr L.

6) Description of Previous Sample Collected: see below

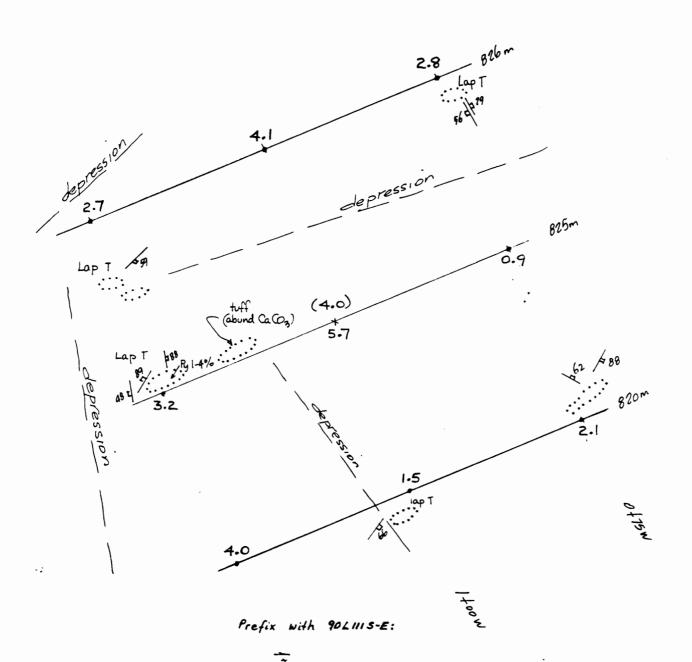
- Description of New Sample: 7) Medium Red Brown soil, good Bhorison development, sampled at 30 cm depth in previous sample hole
- 8) Description of Topography: Mature heavily wooded forest. soil contour taken on terrace, however overall slope 20-300 S. Small to lovge outcrops throughout
- 9) Results of Investigation:

he immediate reuse of anomalous not surple we found Area courses of Lapelli Tuff. Type of recli.

10) Conclusions:

I'm west from anomalous set sample abundant certisuate ninevaluation and pyrote unuevaluation (1-4%) were found. This ininimalization could be related to anomalous soil values

Ian Soil anomaly follow up 825m/I+00W



LEGEND . detailed soil site

x duplicate soil site

(4.0) original result (ppm Ag)

LapT lapilli tuff .: outcrop

5 10 15 20n Scale 1: 900

Tan III PROJECT

PREVIOUS SOIL ANOMALY (Ag) - 90 INVESTIGATION Element(s) Year

1) Location: 825m, 2+50N

2) Previous Value(s): 4.3 ppm Aq

3) Year Collected: 1990

4) Date of Investigation: Augi/90

5) Investigator(s): Piotr L / Steve S

6) Description of Previous Sample Collected: See below, good sample

- 7) Description of New Sample:

 Medium Red Brown soil, good Bhorizon development, sampled at
 30 cm depth in previous sample hole
- Sample taken on 20° slope running North in heavily wooded mature forest. Overall slope running South: Contour soil line ran on terrace. small outcoops to large bloffs.
- 9) Results of Investigation:

Area countries of Tupaceous type of rock. Irongrant deep depression.

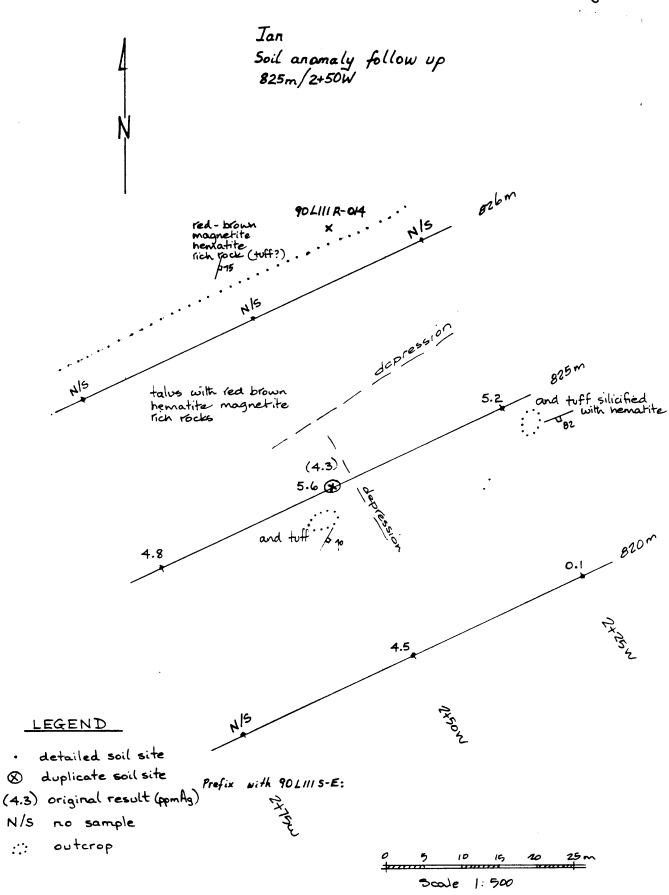
with an attitude NE-Sh agrarates involgated area from tagnetite
humalite with new

10) Conclusions:

Aucuratour soil value could be related to uniquetite & homestiff

with zone north of investigated area. (see sample 9CLIII R-C14)

Sept. 2nd 196 results from noch sample are negative



IAN - 111	F	R	0	J	ECT	Г

PREVIOUS SOIL ANOMALY (Au) - 90 INVESTIGATION Element(s) Year

- 1) Location: 770m/10+25E
- 2) Previous Value(s): 43pb Au, ppm As
- 3) Year Collected: 1990
- 4) Date of Investigation: July 3/
- 5) Investigator(s): 5. Sheffreld, P. Ludyush. R. Honsinger
- 6) Description of Previous Sample Collected: Poorly Sevelyreal & Horizon wil, some as 7).
- Description of New Sample:

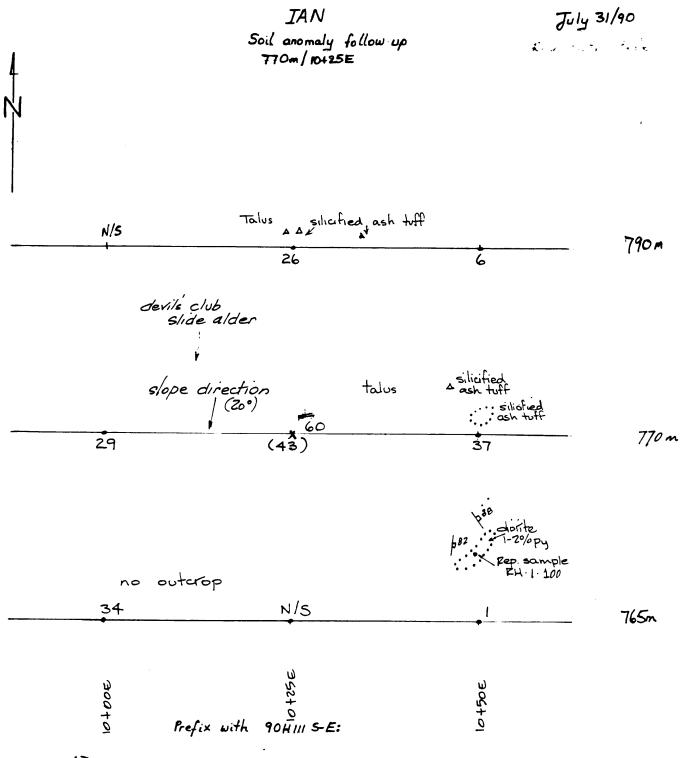
 Sample collected @ 20-25 cm depth in bear to maken

 sed broken generally poorly developed B borgon.
- 8) Description of Topography: 15-20° Sixth duction, duch ship and reliable. Little exposed water
- 9) Results of Investigation:
 Anomalous nort sample was taken from the talous slope (blocks of
 solicified a. Tuff). One outerop of solicified ash Tuff was mapped.

 Around 20 m south from the anomalous sort sample outerop of
 nonrodrovete occures.
- 10) Conclusions:

No immediate source of mineralization was found. for anomalous sort sample 770m/10+25 E, sort sample from the elevation 825m & 10+50 E also contain anomalous "An value. Anomalous momalization in both sort samples could be related to the some (not known) source. There ty (210) drawed on a lam bliles in divides broated duringles 25 m from both anomaly.

Keewatin Engineering Inc.



LEGEND

· detailed soil site

x duplicate soil site

(43) original result (ppb Au)

NIS no sample

5 10 15 20 25 Scale 1:500

TAN PROJECT

PREVIOUS SOIL ANOMALY (Av) - 90 INVESTIGATION Element(s) Year

1) Location: L 770 E 10+25 E

2) Previous Value(s): 60 ppb Au

3) Year Collected: 1987

4) Date of Investigation: JUNE 3/90

5) Investigator(s): A. TRAVIS K. BURKE

6) Description of Previous Sample Collected:

PEERLY DELECTED "B" HERIZER SOIL IN RELKY GREUND, SAMPLE APPEARS to BE THICEN WITH A MADDOCK

7) Description of New Sample:

on away, get a fear rocky sample of brown seed (13 Herizen), 35 cm DEEP. SAMPLE 90 TUS-001

8) Description of Topography:

Findesitie vacanies - room above, then talus Slide with wooded Carea below in which the Sample was taken.

9) Results of Investigation:

PYRITE, CHALLOPYPHE AND LEAD + ZINC WERE FOUND ANDMALDOS IN ROCK SAMPLES ABOVE IN LACER PRICE PRICE IN A SCIDE WILL SEE IF NEW SAMPLE WILL DUPLICATE RESULTS AND IF IT DOES PERHAPS A MOZE DETAILED SURVEY CAN BE UNDERTAKEN.

10) Conclusions: SEE ABOVE

IAN PROJECT

PREVIOUS SOIL ANOMALY ($\frac{\partial \mathcal{C}}{\partial \mathcal{C}}$) - $\frac{\partial \mathcal{E}}{\partial \mathcal{C}}$ INVESTIGATION

- 1) Location: 775 E CONTOUR EISTOE
- 2) Previous Value(s): 105 ppb Au
- 3) Year Collected: 1988
- 4) Date of Investigation: Juni 10 190
- 5) Investigator(s): A. TRAVIS VAU.S Malo
- 6) Description of Previous Sample Collected:

VERY BOCKY, POUR "B" HOLIEUN SOIL, GULSTIONABLE

7) Description of New Sample:

SAMPLE IS QUESTICNABLE! LOOKS LIKE ALLT OF CRUMICAS. We immediately above clark green fine grained andesite

8) Description of Topography:

SMACE BLUASS, MUSS CO. FRED, DELOPE TO THE

9) Results of Investigation:

SAMPLE QUESTIONABLE.

DARK GREEN ANDESITE WITH MHOR QUARTE VE.V.VG AND EPIDOTE, TRACE PYRITE

SMALL ASH LAYER.

POSSIBLE REPEATED SOIL HURIZON SERVENCE L A, POOR B, ASh, Good B

10) Conclusions:

Took SAMPLE 90 M 1115-001 TO ANALIZE

A PREPER SAMPLE. IF This SAMPLE

TURNS OUT TO BE ANEMALOUS FURTHER FOLICIS-UP

18 WARRANTED

TAN PROJECT

PREVIOUS SOIL ANOMALY $(A_{\mathcal{G}}) - \frac{90}{\text{Year}}$ INVESTIGATION

1) Location: 660 m, 3+00 E

2) Previous Value(s): 40 ppm Ag

3) Year Collected: /990

4) Date of Investigation: Aug 1/1990

5) Investigator(s): Steve S. / Piotr L

6) Description of Previous Sample Collected: See below, good sample

Medium Red Brown soil, good B horizon development, sampled at depth of 30m in previous sample hole

B) Description of Topography:

Heavily weeded mature forest. soil contour rain on terrace.

Overall slope angle 30°s, numerous bloffs

9) Results of Investigation:

Area consists of Lapilli tuff type of rock locally with bombs upto Im diameter. Anomalous soil sample was taken from the galley striking NEE-SWW

10) Conclusions:

No immediate source of mineralization was found

Jan Property Soil anomaly follow up 660m/3+00E lup. tuff 675 m lapilli tuff (locally bombs < 7em) HIS ì.8 5.8 1apilli tuff 650 m (locally a tuff.) 415 0.9 Prefix with 901 1115-E: LEGEND · detailed soil site duplicate soil site (4.0) original result (ppmAg) no sample outcrop Scale 1:500

N/s

...

TAN - 111 PROJECT

PREVIOUS SOIL ANOMALY (A_g) - $\frac{90}{Year}$ INVESTIGATION

1) Location: 660m, 2+00E

2) Previous Value(s): 3.5 ppm Ag, 90ppb Au, 1pm As

3) Year Collected: 1990

4) Date of Investigation: Augustia90

5) Investigator(s): Steve 5. / Piotv. L.

6) Description of Previous Sample Collected: see below, good cample

Description of New Sample:

Light Brown soil, good B horizon development, sampled at depth

of 30m in previous sample hole

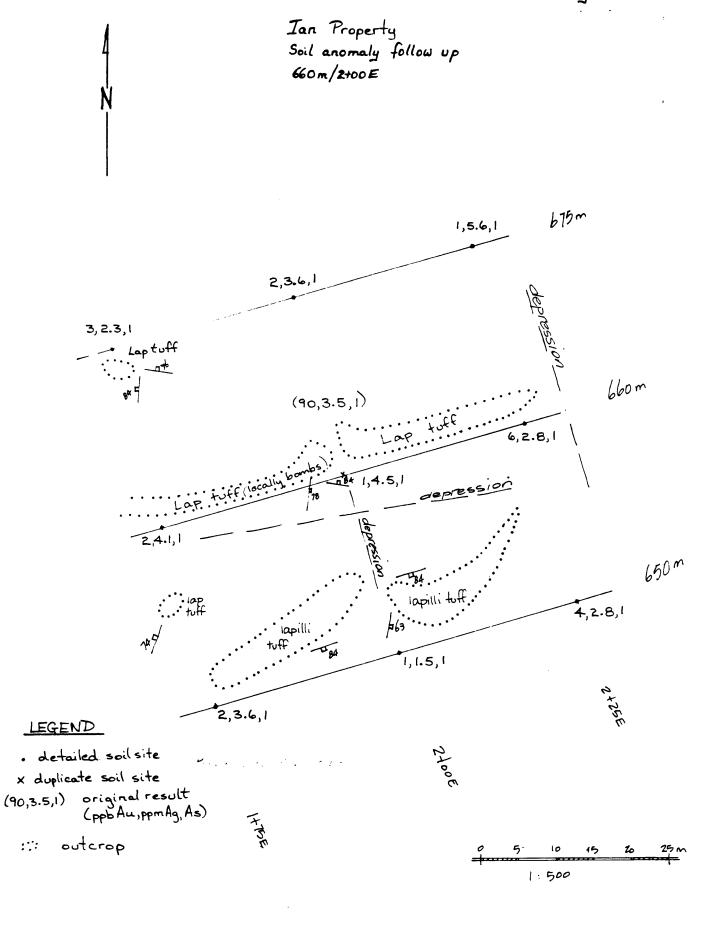
B) Description of Topography:
Heavily suceded motore facest, soil contour ranon'terrace, overall slope ongle 30°5, numerous bluffs

9) Results of Investigation:

Fred a what of Capille Tage of sech leadly with bombs on to Fred dismeter. Anomalow, nort sample has taken from the gulley working NEE - SNN.

10) Conclusions:

No immediate reuse of unrecalisation was found



TAN PROJECT

PREVIOUS SOIL ANOMALY ($\mathcal{H}_{\mathcal{I}}$) - $\mathcal{\underline{GB}}$ INVESTIGATION

1) Location: 575 E CONTOUR 11+75 E

2) Previous Value(s): 180 ppb Au

3) Year Collected: 1988

4) Date of Investigation: JUNE 10/90

5) Investigator(s): A. TRAVIS V. Malo

6) Description of Previous Sample Collected:

LOOKE TO BE ORGANICS THAT ARE UNDERLAIN BY TALL'S BLOCKS

7) Description of New Sample:

Gracel B' horizon soil v4m away from original sample ~30 cm deep, near tree root,

8) Description of Topography:

CLIFFS ABOVE, Then TALUS SLOPE, WITH SHAPLE TAKEN IN CONFERCIS TREES NEAR BASE OF SUDE SLOPE TO THE SOUTH.

9) Results of Investigation:

Questionable Sample! Andesitie Volcanies above, no appreciable mineralization

10) Conclusions:

IF PROPER SAMPLE TAKEN (90 M 1115-002) RETURNS
ANOMALOUS VALUES FURTHER FOLLOW-UP 15 WARRANTED.

IAN	PROJECT
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PREVIOUS SOIL ANOMALY (As, Pb) - 90 INVESTIGATION Element(s) Year

- 1) Location: 575 € C=27002 17+05W (NW IAN 4)
- 2) Previous Value(s): 850 ppm As, 63 ppm Pb
- 3) Year Collected: 1988
- 4) Date of Investigation: June 12/90
- 5) Investigator(s): A.TRAVIS S. Sheffield
- 6) Description of Previous Sample Collected:

CRIGINAL HOLE NOT LOCATED. STATION LOCATED ON AN ONLIND

7) Description of New Sample:

BUFF. Median Red Brews "B" Horizon
SAMPLE GOT INS. CES

8) Description of Topography:

Bluffy terrain 215° SLEDE TO THE WEST.

9) Results of Investigation:

- cutorop is fine-grained grey can toff
- couldn't find locution of original hale

10) Conclusions:

If anomalous results are retirned from new sample (90 Tims-003) follow-up may be warranted.

~	
Lan	PROJECT

PREVIOUS SOIL ANOMALY (AJAS) - 90 INVESTIGATION Element(s) Year

1) Location: NW Tan 4

575 CENTUR 18+00 W

2) Previous Value(s): 32 Ppb Au, 120 ppm As

3) Year Collected: 1988

4) Date of Investigation: June 12/90

5) Investigator(s): A.TRAUS V Malo

6) Description of Previous Sample Collected:

CRIGINAL HOLE NOT FOUND, VERY PEUR Sein Denszorment.

7) Description of New Sample:

TAKEN FROM RECTS OF FALLEN TREE
Medium Red Brown
(90 TILLS-004)

8) Description of Topography:

Bluffy Terrain 15° Scope West

9) Results of Investigation:

Dark grey/black tott? with fraction pyrite. Very pear soil development

10) Conclusions:

ANOMALOUS FURTHER FOLLOW-UP MAY BE NUCLEUS.

TAN PROJECT

PREVIOUS SOIL ANOMALY (AU) - 90 INVESTIGATION Element(s)

1) Location: 375E 24125W

2) Previous Value(s): 105 Ppb Av

3) Year Collected: 1988

4) Date of Investigation: June 12/90

5) Investigator(s): A. TRAVIS 5 Sheffield

6) Description of Previous Sample Collected:

CHECK BUTH STATIONS DUTSON, DUTSON WETH are taken on or near mass covered bluffs VERY POOR "B" HORIZON IF ANY AT ALL.

7) Description of New Sample:

horizon with abundant rock fragments, 15 cm cleep.

8) Description of Topography:

Bruffy terrain, near base of 5m bluff. Scoring OFF TO THE WEST

9) Results of Investigation:

- LECK JOINTED INTERMEDIATE INTRUSIVE (MENZODICENT)

WITH PYRIK ALENCE FRACTURES. JOINTS 40-80'/60 SE

- Small (XISON) Silicified fracture with pyrite (up to 10%)

Near old sample location

- Dossible blocks of toff in intrusive

- Vary Poor Soil Morizon Development

10) Conclusions:

A ROCK SAMPLE (907 III R-018) AND SOIL SAMPLE (9071115-00: WERE TAKEN NEAR ANOMALOUS SHAPLE. Mineralization appears to be narrow and controlled by fractures. If significant values arise from fellow-up samples there work is warranted.

TAN PROJECT

PREVIOUS SEED ANOMALY (AU) - 90 INVESTIGATION Element(s) Year

375 E 26toom CONTOUR LINE 1) Location:

Previous Value(s): 2) 75 ppb Au

1958 3) Year Collected:

4) Date of Investigation: June 12/90

5) Investigator(s): A. TRAUIS S. Sheffield.

6) Description of Previous Sample Collected:

> A moderately moving stream alm wide, 5cm deep that has cat tranks up to am (where sample), generally little enterp, flood is monzediente. Small enterp et monzediente. Description of New Sample:

7)

No sample was tuken.

Description of Topography: 8)

Generally flut area (beach) were sample was teleen blothy ferrain above + bales sample.

9) Results of Investigation:

Little cuterop, outcop noted was menzedierite.

10) Conclusions:

> Preliminary Fellow-up noted that there was a relatively flat area above sample and three creeks enter above the sample.

IAN PROJECT

PREVIOUS SOIL ANOMALY (Pb,Za) - 90 INVESTIGATION Element(s) Year

1) Location: 375E DE+75W CONTOUR LINE

2) Previous Value(s): 152 ppm Pb, 338 ppm Zn

3) Year Collected: 1988

4) Date of Investigation: June 12/90

5) Investigator(s): A. TRAVIS S. Sheffield

6) Description of Previous Sample Collected:

Bluffy terrain generally with poor soil development. Rock sample taken above (#24501)

7) Description of New Sample:

NUNE TAKEN

8) Description of Topography:

Bloffs usually less than com in elevation.

9) Results of Investigation:

VERY SMALL, NARREW GLARTE VEIN (<1") that is along fructure planes which trend 260/65 N In fine-grained diorite to monzodicrite.

10) Conclusions:

SAMPLE WAS OF EXTREMELY SMALL, NARROW VEWLET.

APPENDIX 6

Geochemical Results

PROJ: IAN 111

ATTN: R.PEGG

MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524

FILE NO: 0S-0068-RJ1+2 DATE: 90/06/19

• ROCK • (ACT:F31)

IIN: K.PEGG			(004//	00 30 14 6	JR (004)70	0 4324			•	TOUR -	(801.10
SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	MO PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB		
90A 111R 001 90H 111R 001 90H 111R 002 90H 111R 003	1.3 .5 2.0	1 9 68 439	83 13 31 32	1 1 24 2	11 12 1554 56	1 1 1	54 41 2751 118	1 2 4 2	45 65 270 75	-	,
90L 111C 002 90L 111C 003 90L 111C 005	2.4 2.3 2.0	25 1 1	12 26 32	1 1	29 15 7	1 1	61 93 63	1 2	115 110 80		
90L 111C 006 90L 111C 007 90L 111C 008	2.4 2.6 2.2	1 1 1	90 10 40	1 1 1	7 8 15	1 1	96 95 79	2 3 1	65 80 75		
90L 111C 010 90L 111C 011 90L 111C 012 90L 111R 001 90L 111R 004	.6 .1 .6 1.1 1.8	1 55 44 2 1	17 24 10 9 50	1 18 6 1	19 19 3 6 10 14	1 5 10 1	39 35 47 46 67	2 1 1 1 2	85 75 80 90 45		
90L 111R 007 90L 111R 009 90T 111R 002 90T 111R 003 90T 111R 004	1.7 .2 3.9 1.1 1.3	1 22 1 16 28	68 19 147 49 21	1 4 146 11 1	-7 29 60 17 16	1 1 5 1	83 216 32 11 98	1 1 2 3 1	25 45 75 70 45		
90T 111R 010 90T 111R 011 90T 111R 012 90R 111C 005 90R 111C 006	.8 1.2 1.7 13.1	27 32 24 20 2	13 14 13 1283 13	19 2 12 1 1	15 14 23 19 14	5 5 3 1 1	20 26 56 76 50	79 125 77 50 2	50 25 75 55 35		
90R 111R 001 90R 111R 002 90R 111R 003 90R 111R 004 90R 111R 008	2.4 1.9 1.6 1.9	1 1 1 1 8	90 56 143 77 11	9 2 2 1 1	9 8 12 10 13	1 1 1 1	50 25 79 33 24	1 10 2 8 2	45 55 45 65 35		
-897 111R 001 90	.6	1	41	2	12	1	19	2	70		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
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PROJ: 1AN 111

MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524

FILE NO: 05-0076-RJ1

DATE: 90/06/23

* ROCK * (ACT:F31) ATTN: R.PEGG/R.NICHOLS SAMPLE AG CU ΑU HG AS MO SB ZN PPM PPM PPB PPB NUMBER PPM PPM PPM PPM PPM 27 23 45 90T 111C 013 , 1 5 280 1 13 9 90T 111R 014 2 25 65 24 18 45 90T 111R 015 2051 1602 12 2.6 1 2 35 90T 111R 016 4 17 50 36 118 10 90T 111R 017 55 1 19 70 34 20 .6 1 1 90T 111R 018 90T 111R 019 60 5 2991 4 27.0 100 109 815 1 9 15 5 25 5 45 18 1 90T 111R 020 1.2 30 17 46 8 90A 111R 002 17.1 14891 11 18 11 1 30 67 90A 111R 003 2.4 181 1 12 1 90H 111R 004 1.9 85 9 1 84 1 15

ATTN: R.PEGG/R.NICHOLS

PROJ: 111

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524

FILE NO: 05-0281-RJ1

DATE: 90/08/17

⇒ ROCK ⇒ (ACT:F31)

SAMPLE	ŬA	AG	CU	₽B	ZN	AS	ŞB	MO	HG	<u></u>	
NUMBER 90T111R-040 90T111R-021 90L111R-113 90L111R-114	78 2 1 3	3.8 1.7 1.8	PPM 449 74 234 19	34 25 43 28	9PM 51 34 4938 173	PPM 1 1 1 1 1 1	PPM 1 1 1 1 1 1	PPM 1 1 1 1 1 1	130 175 925 200		1
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COMP: KEEWATIN ENGRG.

ATTN: R.NICHOLS/R.PEGG

PROJ: 111

MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524

FILE NO: 0S-0588-RJ1 DATE: 90/10/03

* ROCK * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB		
POH 111 R-005 POL 111 R-015 POL 111 R-016 POL 111 R-017	1 2 2 1	1.4 .8 1.1 .9	67 118 103 12	4 48 18 11	52 101 66 96	1 1 1	1 1 1	1 1 1 1	45 30 20 25		
											
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COMP: KEEEWATIN ENGRG.

ATTN: R.NICHOLS/R.PEGG

PROJ: 111

MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524

FILE NO: 0S-0684-SJ1 DATE: 90/10/22

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB	
H SE 1025M 4+25E H SE 1025M 4+50E H SE 1025M 4+75E H SE 1025M 5+00E H SE 1025M 5+25E	1 1 2 1	2.8 1.6 2.9 1.0 1.9	8 15 6 13 11	37 34 45 35 44	242 136 82 169 66	1 1 26 1 32	1 1 3 1	1 1 7 4 8	205 140 235 200 185	,
H SE 1025M 5+50E H SE 1050M 4+25E H SE 1050M 4+50E H SE 1050M 4+75E H SE 1050M 5+00E	1 1 1 3	1.9 1.4 1.4 1.2	20 14 24 18 5	48 52 64 52 35	72 333 457 441 112	1 1 1 1 1	1 1 1 1	3 1 3 1 1	245 200 205 220 215	
H SE 1050M 5+25E H SE 1050M 5+50E	1	.6 1.3	8 15	28 40	145 45	1	1	1	145 355	
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COMP: KEEWATIN ENGRG.

ATTN: R.NJCHOLS/R.PEGG

PROJ: 111

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524

FILE NO: 05-0588-SJ1 DATE: 90/10/03

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB	···	
CD S-E 9+50M 5+00E CD S-E 9+50M 5+50E CD S-E 9+70M 4+25E CD S-E 9+70M 4+75E CD S-E 9+70M 5+25E	58 6 168 2 4	.6 1.9 .4 .9 1.3	117 113 29 17 157	78 20 698 31 63	125 75 1472 228 114	1 1 1 1	1 1 1 1	1 1 1 1	75 90 235 95 85		ı
CD S-E 9+75M 4+50E	1	.8	19	53	322	1	1	1	100		
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COMP: KEEWATIN ENGINEERING PROJ: 111

ATTN: R.PEGG/R.NICHOLS

MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524

FILE NO: 0S-0078-SJ1+SJ2 DATE: 90/06/22

• SOIL • (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	MO PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB	
900 970M 0+00W 900 970M 0+50W 900 970M 1+00W 900 970M 1+50W	1.4 1.0 2.9 2.1	1 1 1 98	12 18 36 27	5 7 8 4	26 25 31 80	1 1 3 1	63 35 46 57	1 1 1 2	150 180 185 3 60	,
90q 970M 2+50W 90q 970M 2+50W 90q 970M 3+00W	1.0 3.3 1.9	1 1	17 21 23	5 6	39 38 38	5 3	68 57	2 1 1 2	175 420 210 150	
900 970M 3+50W 900 970M 4+00W 900 970M 4+50W	.7 .1 1.8	1 1 2	57 73 82	3 2 3 4	26 41 22 32	1 1	62 59 48 66	3 57 34	110 165	
900 970M 5+50W 900 970M 5+50W 900 970M 6+50E 900 970M 0+50E 900 970M 1+00E	2.0 1.4 1.2 2.2	1 1 1 1	93 82 39 27	4 4 4 10	28 24 48 31	i 1 1 4	53 47 73 52	14 45 13 2	180 80 195 170	
900 970M 1+50E 900 970M 2+00E 900 970M 2+50E 900 970M 3+00E 900 970M 4+00E	1.5 1.5 2.7 1.6 1.2	1 16 1 12 8	30 31 20 33 12	5 3 2 6 3	60 66 26 89 59	1 3 3 2 1	250 245 159 472 472	1 1 2 6 1	180 215 210 230 125	
900 970M 4+50E 900 970M 5+00E 900 970M 5+50E 90K 150M 0+50W	5.2 1.2 5.6 .8	1 1 589 5	7 60 446 74	6 3 4 1	37 28 381 27	2 1 3 1	40 39 489 77	5 40 53 4	260 195 190 145	
90K 150M 1+00W 90K 150M 1+50W 90K 150M 2+00W 90K 150M 2+50W	1.1 1.2 2.5 1.0	1 2 1	89 35 22 6	2 6 1	26 35 12	1 1 1	133 155 252 18	2 1 3 1	210 130 140 115 215	
90K 150M 3+00W 90K 150M 3+50W 90K 150M 4+00W 90K 150M 4+50W	1.1 2.9 .3 .7	1 1	39 23 27 27	3 6 7 1	24 29 34 17	1 1	112 211 158 99	, 2 1	120 25 70	
90K 150M 5+00W 90K 150M 5+50W 90K 150M 6+00W	1.2 .7 1.3	2 24 1	39 35 31	2 2 2	37 29 21	1 1 1	299 197 147	6 2 1	140 240 125	
90K 150M 6+50W 90K 150M 7+00W 90K 150M 7+50W 90K 150M 8+00W 90K 150M 8+50W	1.5 1.4 2.7 1.4	1 10 28 1 11	25 65 62 22 33	1 2 6 1 10	18 37 20 28 27	1 1 1 1	166 269 447 115 63	2 2 5 3	100 105 255 245 145	
90K 150M 9+00W 90K 150M 9+50W 90K 151M 10+00W 90K 151M 10+50W 90K 151M 11+00W	3.1 1.7 1.3 1.5 2.3	1 1 1 1	26 28 22 10 18	5 4 3 2 6	33 30 22 21 31	1 1 1 1	166 180 80 101 272	1 2 1 12 1	175 275 365 170 160	
90K 151M 11+50W 90K 151M 12+00W 90K 151M 12+50W 90K 151M 13+00W 90K 151M 13+50W	.2 1.8 .9 1.0 3.6	58 11 1 1	16 31 12 38 31	10 3 2 1 4	57 36 17 24 30	1 1 1 1	127 238 44 102 171	8 1 1 3	205 105 125 195 225	
90K 151M 14+00W 90K 151M 14+50W 90K 151M 15+00W 90K 151M 15+50W	1.5 2.6 3.1 1.6	1 1 1	24 26 32 13	3 11 4 4	18 29 34 32 30	1 1 1 2	105 250 177 89 217	1 2 3 6 2	250 245 235 245 215	
90K 151M 16+00W 90K 151M 16+50W 90K 151M 17+00W 90K 151M 17+50W 90K 151M 18+00W	2.8 1.8 3.4 3.2 1.6	1 9 1 1	31 57 39 18 16	3 2 4 6 4	28 35 33 23	1 1 1	246 427 209 115	1 1 2 1	195 185 285 205	
90K 151M 18+50W	3.8	60	79	3	40	1	503	2	165	

ATTN: R.PEGG/R.NICHOLS

MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524

FILE NO: 0S-0078-SJ3+SJ4 DATE: 90/06/22

* SOIL * (ACT:F31)

cu ΜO PB SB ZN ΑU ĦĢ SAMPLE AG AS PPB PPB **NUMBER** PPM PPM PPM PPM PPM PPM PPM 90K 150M 19+00W .5 90K 150M 19+50W - 25 . 7 90K 150M 20+00W 2.1 90K 150M 20+50W 2.3 90K 150M 21+00W 1.3 90K 150H 21+50W 1.5 90K 150M 22+00W 1.0 90K 150M 22+50W 1.6 90K 150M 0+00E 2.1 90K 150M 0+50E 2.1 90K 150M 1+00E 90K 150M 2+00E 1.3 90K 150M 2+50E 1.2 90K 150M 3+00E 2.7 90K 150M 3+50E 1.1 90K 150M 4+00E 2.7 90K 150M 4+50E 3.4 90K 150M 5+00E 3.7 90K 150M 5+50E 1.6 90K 150M 6+00E 2.5 2.9 90K 150M 6+50E 90K 150M 7+00E 4.5 90K 150M 7+50E 1.0 90K 150M 8+50E 90K 150M 9+00E 1.2 1.5 90K 151M 10+00E 90K 151M 11+00E 2.8 90K 151M 11+50E 1.8 90K 151M 12+00E 1.6 90K 151M 12+50E 1.5 90M 150M 13+00E 90M 150M 13+50E .9 33 90M 150M 14+50E .8 90M 150M 15+00E 1.4 90M 150M 15+50E .7 90M 150M 16+00E 2.0 90M 150M 16+50E 90M 111S 001 1.7 90M 111S 002 .8 90M 111S 003 2.7 90M 111S 004 1.2 90M 111S 005 1.1

PROJ: IAN 111

MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524

FILE NO: 05-0070-SJ7+8 DATE: 90/06/20

ATTN: R.PEGG * SOIL * (ACT:F31) CU SAMPLE MO ΑG AS PR SB ΑU HG NUMBER PPM PPM PPM PPM PPM PPM PPM PPB PPB 908 825M 9+50E . 2 908 825M 10+50E 1.9 90MM 275M 0+50E 3.2 90MM 275M 1+00E 1.5 90HM 275M 1+50E 2.7 90MM 275M 2+50E 1.1 90MM 275M 3+00E 1.0 90MM 275M 3+50E .8 90MM 275M 4+00E .5 90MM 275M 4+50E .4 90MM 275M 5+00E 1.6 90MM 275M 5+50E .8 .<u>9</u> 90MM 275M 6+50E 90MM 275M 7+00E .5 90MM 275M 7+50E 1.3 90MM 275M 8+00E .9 90MM 275M 8+50E 2.1 90MM 275M 9+00E .9 90MM 275M 9+50E 1.8 90MM 275M 10+00E 1.4 90MM 275M 10+50E 1.9 90MM 275M 11+00E 1.4 90MM 275M 11+50E . 7 90MM 275M 12+00E 1.0 90MM 275M 12+50E 1.1 90MM 275M 13+00E .9 90MM 275M 13+50E 1.3 90MM 275M 14+00E .6 90MM 240M 11+00E . 3 901 111 S 001 .9 .5 90T 111 S 002 90B 111 L 001 1.1

PROJ: IAN 111

ATTN: R.PEGG

MIN-EN LABS -- ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524

FILE NO: 0S-0070-SJ1+2 DATE: 90/06/20

• SOIL • (ACT:F31)

PROJ: IAN 111

MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524

FILE NO: 0S-0070-SJ3+4 DATE: 90/06/20

* SOIL * (ACT:F31) ATTN: R.PEGG AG PPM AS PPM SAMPLE CU ZN ΑU HG NUMBER PPM PPM PPM PPM PPM PPB PPB

NUMBER	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPB	PPB	
90M 275M 7+50W	1.0	1	101	1	28	1	200	2	95	
90M 275M 8+00W	1.6	i	47	2	44	i	260	3	130	
90M 275M 8+50W	'.9	32	35	2	46	i	722	2	165	
90M 275M 9+00W	1.7	2	40	2	27	i	224	i	105	1
						•		i	110	
90M 275M 9+50W	.7	1	31	2	25	1	131	<u>'</u>	110	
90M 275M 10+00W	1.6	10	42	2	21	1	239	1	180	
90M 275M 10+50W	1.5	1	17	3	24	1	77	1	170	
90M 275M 11+00W	1.9	1	26	2	22	1	259	2	60	
90M 275M 11+50W	2.3	1	14	6	29	4	105	1	110	
90M 275M 12+00W	2.5	1	20	5	38	2	219	1	125	
	 									
90M 275M 12+50W	.7	1	19	4	8	1	43	2	65	
90M 275M 13+00W	1.5	29	64	5	29	1	190	1	65	
90M 275M 13+50W	1.6	1	27	3	20	1	148	1	70	
90M 275M 14+00W	1.3	_ 1	27	4	25	1	186	1	60	
90M 275M 14+50W	1.1	79	151	3	55	2	325	3	80	
90M 275M 15+00W	.6	12	30	1	23	1	110	2	50	
•		_		1		· •	67	1	90	
90M 275M 15+50W	1.2	1	11 15		17 14	4	154	ż	10	
90M 275M 16+00W	1.4	1	15 70	1	16 70	1				
90M 275M 16+50W	1.2	1	32	3	3 0	1	197	4	65 100	
90M 275M 17+00W	.4	26	234	11	33	11	164	1	100	
90M 275M 17+50W	2.6	1	28	3	26	2	377	1	170	
90M 275M 18+00W	.7	i	14	1	22	1	103	ż	10	
90M 275M 18+50W	1.1	i	61	1	24	i	168	20	95	
90M 275M 19+00W	1.7	18	22	3	29	i	277	1	85	
90M 275M 19+50W	2.3	14	3 0	3	39	ź	182	ź	55	
FUM EIJM IFFJUW	2.3	14	· · · · · · · · · · · · · · · · · · ·							
90M 275M 20+00W	1.6	1	27	4	24	2	112	1	80	
90M 450M 0+00W	3.1	1	24	4	28	1	158	3	260	
90M 450M 0+50W	2.8	1	29	4	24	1	175	6	675	
90M 450M 1+00W	2.8	1	25	6	30	1	139	1	120	
90M 450M 1+50W	1.4	2	33	5	24	1	103	1	95	
·			24			4	4.47	1	85	
90M 450M 2+00W	.3	4	21	2	26	1	164			
90M 450M 2+50W	.9	1	54	4	33	1		2	140	
90M 450M 3+00W	1.0	15	63	3	28	1	88	3	120	
90M 450M 3+50W	1.0	1	16	3	23	2	125	2	165	
90M 450M 4+00W	1.1	5	37	11	32	1	69	2	110	
90M 450M 4+50W	2.0	1	22	2	24	1	128	1	180	
90M 450M 5+50W	1.2	1	40	2	30	1	189	2	70	
90M 450M 6+00W	1.2	223	29	ī	11	i	55	152	140	
90M 450M 6+50W	1,2	1	29	1	22	1	128	3	120	
	1.7	2	33	4	28	i	237	í	110	
90M 450M 7+00W			.							·····
90M 450M 7+50W	1.3	6	29	3	22	1	204	5	265	
90M 450M 8+00W	.6	22	145	5	62	3	180	3	120	
90M 450M 8+50W	.5	40	17	3	38	1	367	2	65	
90M 450M 9+00W	.6	18	10	2	21	1	104	1	70	
90M 450M 9+50W	9.	4	44	2	19	1	118	2	50	
										
90M 450M 10+00W	.8	18	10	2	38	1	202	1	80	
90M 450M 10+50W	2.5	4	15	6	32	1	240	2	140	
90M 450M 11+00W	.7	40	15	6	25	<u>1</u>	297	14	160	
90M 450M 11+50W	1.1	6	21	4	30	3	119	2	115	
90M 450M 12+00W	1.3	29	18	3	20	1	239	2	80	
90M 450M 12+50W	2.2	8	34 .	4	28	2	216	2	85	
II.			34 37	7	23	2	182	2	80	
90M 450M 13+00W	1.6	1		4				5	115	
90M 450M 13+50W	1.3	1	54 20	1	22	1	143			
90J 660M 0+50E	.7	1	20	3	26	2	72	2	220	
90J 660M 1+00E	1.3	1	34	3	25	1	112	1	130	
90J 660M 1+50E	2.4	1	22	5	26	1	55	1	350	
90J 660M 2+00E	3.5	1	34	4	27	1	71	90	275	
90J 660M 2+50E	2.0	i	31	5	14	1	71	1	395	
90J 660M 3+00E	4.0	1	21	3	25	i	60	ż	360	
	.5	1	13	3	18	i	58	1	60	
90J 660M 3+50E	٠, ٠,		1.3		10					

PROJ: IAN 111

ATTN: R.PEGG

MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524

FILE NO: 0S-0070-SJ5+6 DATE: 90/06/20

SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	MO PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB	
90J 660M 4+00E 90J 660M 4+50E 90J 660M 5+00E 90J 660M 5+50E 90J 660M 6+00E	2.5 .6 .8 2.5 2.3	1 3 1 1	17 65 29 30 21	4 2 3 4 4	27 28 30 28 25	1 1 2 1	65 87 90 76 86	1 3 16 1	150 160 175 210 200	
90J 660M 6+50E 90J 660M 7+00E 90J 660M 7+50E 90J 660M 8+50E 90J 660M 9+00E	2.4 1.6 1.6 1.8	1 1 1 1	21 27 22 24 27	5 6 4 5 3	22 28 22 29 28	1 2 1 1	77 79 62 86 62	3 3 2 1 2	175 185 32 280 130	
90J 660M 9+50E 90J 660M 10+00E 90J 660M 11+00E 90J 660M 12+00E 90J 660M 12+50E	2.9 1.6 .9 2.6 1.4	1 1 1 1	23 23 24 23 38	6 6 7 5 7	29 28 29 26 35	1 3 1 1 2	53 61 46 83 65	1 2 2 1 1	240 270 220 255 170	
90J 660M 13+00E 90J 660M 13+50E 90J 660M 14+00E 90J 450M 0+50E 90J 450M 1+00E	.4 .4 .4 1.4 1.3	1 5 1 1	26 26 32 21 9	3 4 3 6 1	22 29 22 26 23	1 4 1 1	52 51 47 68 29	1 5 2 1	150 95 145 295 105	
90J 450M 1+50E 90J 450M 2+00E 90J 450M 3+00E 90J 450M 3+50E 90J 450M 4+00E	.4 1.7 .7 2.2 .7	2 1 1 1	9 28 11 12 17	4 1 2 3 1	21 22 20 20 19	3 1 1 2	50 50 48 48 46	1 2 2 1 4	90 140 130 105 75	
90J 450M 4+50E 90J 450M 5+00E 90J 450M 5+50E 90J 450M 6+00E 90J 450M 6+50E	3.8 3.4 2.1 2.3 3.7	1 1 1 1	26 21 26 20 27	5 5 5 5 5	30 25 30 29 33	1 1 1 1	107 89 182 142 142	1 1 1 2 1	220 240 420 250 240	
90J 450M 7+00E 90J 450M 7+50E 90J 450M 8+00E 90J 450M 8+50E 90J 450M 9+00E	.7 1.8 .8 1.2	1 1 1 1	12 21 11 44 15	4 3 2 2 1	21 24 24 27 30	1 1 1 1	46 102 54 87 41	. 1 3 5 1	55 180 65 110 90	
90J 450M 9+50E 90J 450M 10+00E 90J 450M 10+50E 90J 450M 11+00E 90J 450M 11+50E	2.8 .7 .7 .4 1.2	1 1 11 1	16 11 14 19 20	4 2 2 3 4	29 22 24 26 28	3 2 2 1 2	125 76 88 94 124	1 1 2 1 3	150 85 95 120 105	
90J 450M 12+00E 90J 450M 12+85E 90B 825M 0+50E 90B 825M 1+00E 90B 825M 1+70E	.6 .7 1.6 1.3	1 3 1 1	8 10 22 33 37	1 6 8 6 4	18 31 35 26 29	1 2 7 2 2	48 73 85 57 58	1 2 1 1 2	70 110 210 175 205	
908 825M 2+00E 908 825M 2+50E 908 825M 3+00E 908 825M 3+50E 908 825M 4+00E	.3 1.1 1.9 3.4 1.6	8 1 1 1	46 42 16 17 15	4 1 5 4 3	39 19 21 30 35	3 1 1 2 3	41 44 45 33 55	1 1 2 2 1	175 140 210 300 120	
908 825M 4+50E 90B 825M 5+00E 90B 825M 5+50E 90B 825M 6+00E 90B 825M 6+50E	2.0 1.5 .8 .5	1 5 1 2 1	23 23 19 22 14	4 7 4 4 2	33 26 25 26 31	1 2 2 2 2	51 47 38 36 32	2 2 1 3 2	290 145 150 185 110	
90B 825M 7+00E 90B 825M 7+50E 90B 825M 8+00E 90B 825M 8+50E 90B 825M 9+00E	1.1 2.9 .8 .5	4 1 9 17 7	20 14 21 42 53	10 5 14 6 2	22 36 41 27 26	3 3 7 4 2	85 50 52 34 46	2 1 1 1	115 165 90 120 145	

COMP: KEEWATIN ENGRG. PROJ: 111 S-E

ATTN: R.NICHOLS/R.PEGG

MIN-EN LABS -- ICP REPORT 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524

FILE NO: 0V-1184-SJ1+2 DATE: 90/08/24

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB	
90T 810M 10+50E 90T 810M 10+62.5E 90T 840M 10+37.5E	9 16 102	2.3 2.2 2.5	49 61 173	43 33 38	64 45 44	1 1 1	4 3 2	4 2 1	255 210 315	
90T 840M 10+50E 90T 840M 10+62.5E	75 185	3.1	762 202	69 50	113 84	i 1	1	1	225 220	•
90T 955M 1+25W 90T 955M 1+50W 90T 955M 1+75W	590 2	1.3	67 67	66 265	87 274	1 75	1	1	230 205	
901 955M 4+25W 901 955M 4+50W	1 3 5	1.9 2.1 1.4	40 166 103	44 44 33	79 47 87	1 1 1	1 1 1	2 2 1	315 245 270	
90T 955M 4+75W 90T 955M 5+00W	296 2	2.2	97 367	43 61	60 64	1 1	1	1	280 210	
90T 955M 5+25W 90T 970M 1+25W 90T 970M 1+50W	58 1 2	1.5 3.6 5.7	131 45 21	46 37 61	84 46 62	1 1 1	1 1	1 5 2	255 265 3 45	
90T 970M 1+75W 90T 970M 4+25W	147 1	.9 1.1	24 101	64 57	70 87	1	1	2 2	225 235	
90T 970M 4+50W 90T 970M 4+75W 90T 970M 5+00W	11 38 36	2.1 1.8 1.8	103 56 48	22 31 32	59 46 62	1 1 1	1 1	1 1 2	310 210 235	
90T 970M 5+25W 90T 985M 1+25W	7 1	3.0	65 34	45 40	71 51	1	1	1 2	305 260	
901 985M 1+50W 901 985M 1+75W 901 985M 4+50W	1 8 4	4.5 2.6 1.9	21 27 47	49 35 32	59 46 45	1 1	1 1	1 1 1	340 355 245	
90T 985M 4+75W 90H 765M 10+50E	42 1	2.1	45 49	27 26	41 61	1	1	2 2	215 250	
90H 765M 10+75E 90H 770M 10+00E 90H 770M 10+50E	3 29 37	2.9 .9 1.1	34 53 45	36 25 26	46 64 63	1 1 1	1 1	3 1 4	220 210 215	
90H 790M 10+25E 90H 790M 10+50E	26 6	1.7	84 38	30 31	75 65	1	1 1	-	210 270	
90H 950M 4+25E 90H 950M 4+50E 90H 950M 4+75E	2 1 148	.7 1.4 1.8	23 18 114	55 3 5 86	256 208 159	1 1	1 1 1	1 1 1	170 135 185	
90H 950M 5+00E 90H 985M 4+25E	78 1	1.3	63 17	30 18	55 31	1	1	1 1	200 185	
90A 955M 3+25W 90A 955M 3+50W 90A 955M 3+75W	1 2 1	3.5 1.6 2.0	23 19 26	42 32 32	45 59 50	1 1	1	4 5 6	380 235 190	
90A 970M 3+25W 90A 970M 3+50W	1 23	1.8	71 56	40 38	41 75	1	1	6	295 265	
90A 970M 3+75W 90A 985M 3+25W 90A 985M 3+50W	1 1 2	2.8 .7 .7	57 24 68	31 51 51	80 133 68	1 1 1	1 1	1 1 1	130 145 210	
90A 985M 3+75W 90L 825M 0+75W	1	1.9	41 11	33 37	38 201	1	1 1	1	140 165	
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ATTN: R.NICHOLS/R.PEGG

PROJ: 111 S-E

MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524

FILE NO: 0V-1184-SJ1+2 DATE: 90/08/24

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB	
90T 810M 10+50E	9	2.3	49	43	64	1	4	4	255	
90T 810M 10+62.5E	16	2.2	61	33	45	1	3	2	210	1
90T 840M 10+37.5E	102	2.5	173	38	44	1	2	1	315	•
90T 840M 10+50E 90T 840M 10+62.5E	75 185	3.1 .9	762 202	69 50	113 84	1	} 1	1 1	225 220	
90T 955M 1+25W 90T 955M 1+50W	590	1.3 .9	67 47	66 245	87	1 75	1	1	230 205	
901 955M 1+75W	2	1.9	67 40	265 44	274 79	1	1	2	315	
90T 955M 4+25W	3	2.1	166	44	47	i	i	2	245	
90T 955M 4+50W	5	1.4	103	33	87	1	1	1	270	
90T 955M 4+75W	2	2.2	97	43	60	1	1	1	280	
901 955M 5+00W	296	1.9	367	61	64	1	1	1	210	
901 955M 5+25W	58	1.5	131	46	84	1	1	1	255	
90T 970M 1+25W 90T 970M 1+50W	1 2	3.6 5.7	45 21	37 61	46 62	1	1	5 2	265 345	
901 970M 1+75W 901 970M 4+25W	147 1	.9 1.1	24 101	64 57	7 0 87	1	1	2 2	225 235	
901 970M 4+25W	11	2.1	103	22	59	i	i	1	310	
90T 970M 4+75W	38	1.8	56	31	46	1	1	1	210	
901 970M 5+00W	36	1.8	48	32	62	1	1	2	235	
901 970M 5+25W	7	3.0	65	45	71	1	1	1	3 05	<u> </u>
90T 985M 1+25W	1	2.6	34	40	51	1	1	2	260	
90T 985M 1+50W	1	4.5	21	49	59	1	1	1	340	
90T 985M 1+75W 90T 985M 4+50W	8 4	2.6 1.9	27 47	35 32	46 45	1	1	1	35 5 245	
———							-			
90T 985M 4+75W	42	2.1	45	27	41	1	1	2	215	
901 985M 5+00W	7 36	1.3 4.9	74 3 5	3 7 56	47 65	1	1 2	3 2	130 210	
90L 6+50M 1+75E	2	3.6	18	43	42	i	1	2	565	
901 6+50M 2+00E	1	1.5	15	18	40	1	1	1	205	
90L 6+50M 2+25E	4	2.8	13	35	62	1	1 .	., 3	245	
90L 6+50M 2+75E	1	1.7	26	27	60	1	1	1	310	
90L 6+50M 3+00E	1	9	15	32	56	1	1	1	285	
90L 6+75M 1+75E	3	2.3	25 27	3 5	88	1	1 1	1	335 545	
90L 6+75M 2+00E	2	3.6	24	34	64					
90L 6+75M 2+25E	1	5.6	11	43	43	1	1	1	540	
90L 6+75M 2+75E 90L 660M 1+75E	1 2	1.8 4.1	21 10	21 41	34 59	1	1	1 3	185 255	
901 660M 2+00E	1	4.5	31	31	62	i	i	1	490	
90L 660M 2+25E	6	2.8	15	17	25	1	1	1	185	
90L 660M 2+75E	3	1.6	12	32	56	1	1	1	225	<u> </u>
90L 660M 3+00E	4	5.8	23	39	78	i	i	1	455	
90L 660M 3+25E	1	1.6	11	28	52	1	1	1	210	
90L 8+20M 0+75W	1	2.1	23	31	66	1	1	1	420	
90L 8+20M 1+00W	1	1.5	23	32	55	1	1	1	225	
90L 8+20M 1+25W	2	4.0	15	44	64	1	2	3	300	
90L 8+20M 2+25W	2	.1 4.5	11	49 46	129 62	1	1	1 2	215 345	
90L 8+20M 2+50W 90L 8+25M 2+50W	1 13	4.5 5.6	22 23	39	50	1	1	9	330	
90L 8+25M 2+75W	2	4.8	13	38	45	Í	i	i	395	
90L 8+26M 0+75W	4	2.8	18	28	42	1	1	1	360	<u></u>
90L 8+26M 1+00W	i	4.1	12	44	40	i	i	1	435	
90L 8+26M 1+25W	3	2.1	15	35	39	1	1	1	460	
90 HL 001	3	1.7	31	32	219	1	1	4	145	
90 HL 002	8	٠,9	29	32	178	1	1	9	155	
90H 765M 10+00E	34	.8	48	29	69	1	1	2	270	
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COMP: KEEWATIN ENGRG. PROJ: 111 S-E

ATTN: R.NICHOLS/R.PEGG

MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524

FILE NO: 0V-1184-SJ3+4 DATE: 90/08/24

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB	
90% 765M 10+50E	1	1.0	49	26	61	1	1	2	250	
OH 765M 10+75E	3	2.9	34	36	46	1	1	3	220	•
70H 770M 10+00E	29	.9	53	25	64	1	1	1	210	
770M 10+50E	37	1.1	45	26	63 75	1	1	4	215 210	
90H 790M 10+25E	26	1.7	84	30	75	1	1	3		·
70H 790M 10+50E	6	1.3	38	31	65	1	1	2	270	
70H 950M 4+25E	2	.7	23	55	256	1	1	1	170	
90H 950M 4+50E	1	1.4	18	35	208	1	1 1	1	135 185	
POH 950M 4+75E POH 950M 5+00E	148 78	1.8 1.3	114 63	8 6 3 0	159 55	1	1	i	200	
РОН 985 М 4+25Е	1	2.2	17	18	31	1	1	1	185 380	
70A 955M 3+25W	1	3.5	23	42	45 50	1	1	4 5	235	
70A 955M 3+50W	2 1	1.6	19 26	32 32	59 50	1	1	6	190	
90A 955M 3+75W 90A 970M 3+25W	1	2.0 1.8	26 71	40	41	1	i	6	295	
						1	. 1	1	265	
POA 970M 3+50W	23	2.1 2.8	56 57	38 31	75 8 0	1	1	1	130	
POA 970M 3+75W POA 985M 3+25W	1	7	24	51	133	1	i	ì	145	
90A 985M 3+50W	2	7	68	51	68	i	i	1	210	
POA 985M 3+75W	1	1.9	41	33	38	i	1	1	140	
POL 825M 0+75W	1	.9	11	37	201	1	1	1	165	
70L 825M 0+75W 1	2	5.7	19	57 53	46	1	1	i	445	
POL 825M 1+25W	1	3.2	19	36	35	i	i	3	340	
90L 825M 2+25W	1	5.2	20	41	47	1	1	1	390	
OH 950M 5+25E	13	2.5	100	52	66	1	1	1	160	
90H 970M 4+25E	1	.1	66	2884	6234	1	1	4	550	
70H 970M 4+75E	35	1.0	57	76	187	1	i	1	160	
90H 970M 5+00E	1	2.1	91	75	217	1	1	10	190	
90H 970M 5+50E	77	4.5	400	351	480	340	1	1	145	
90H 970M 5+75E	2	1.4	85	31	130	1	1	1	280	
90H 10+00M 4+75S	10	.9	17	66	208	1	1	, 1	140	
90H 10+00M 4+50E	2	1.8	12	43	77	1	1	4	230	
90H 10+00M 5+00E	968	3.5	37	608	194	1	1	5	285	
90H 10+00M 5+25E	16	1.1	81	36	57	1	1	1	155 125	
90H 10+00M 5+50E	5	1.3	92	28	48	1	1	1		
90H 10+00M 5+75E	1	2.5	30	38	58	1	1	3	255	
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APPENDIX 7

1990 Statement of Expenditures

STATEMENT OF EXPENDITURES

i)	Pre-Field			\$ 1,368.16
ii)	Labour			
	R. Nichols R. Pegg R. Honsinger A. Travis P. Lutynski A. Muirhead S. Novak R. Geszler S. Sheffield K. Burk T. Mortison V. Malo J. Leonard A. Kaplan S. McTague T. Paquette C. Davies P. Dunlevy V. Hutchings S. Chandler	2.25 days @ \$425/day 10.00 days @ \$400/day 9.50 days @ \$335/day 12.00 days @ \$325/day 8.50 days @ \$325/day 10.00 days @ \$300/day 0.50 days @ \$225/day 4.00 days @ \$250/day 12.50 days @ \$250/day 12.50 days @ \$190/day 5.50 days @ \$190/day 4.00 days @ \$190/day 7.00 days @ \$165/day 6.00 days @ \$165/day 8.50 days @ \$160/175)/day 1.00 days @ \$175/day 2.00 days @ \$200/day 1.00 days @ \$225/day 11.00 days @ \$225/day 11.00 days @ \$260/day	\$ 956.25 4,000.00 3,182.50 3,900.00 2,762.50 3,000.00 112.50 1,000.00 2,500.00 1,045.00 760.00 1,295.00 990.00 1,360.00 510.00 175.00 400.00 175.00 675.00 2,860.00	
	S. Patterson	1.00 days @ \$260/day	260.00	31,918.75
iii)	Geochemical Analysis	s (faa Au + 8 element ICP)		
	Soils Silts Rocks	424 samples @ \$11.30 each 3 samples @ \$11.30 each 50 samples @ \$13.75 each	\$ 4,791.20 33.90 687.50	5,512.60
iv)	Helicopter (Hughes 5	00D) 12.0 hours @ \$705/hour		8,460.00
v)	Room & Board	128.0 man days @ \$60/day (includ	es pilot)	7,680.00
vi)		croscope, radios, rock saw, generator TV, copier, etc split)	, field	3,256.14
vii)	Consumables (sample	bags, tags, copies, paint, flagging, etc	c.)	1,396.62
viii)	Fixed Wing Support (split)		2,836.21
ix)	Expediting (split)		·	677.12
x)	Travel (split)			487.62
xi)	Camp Costs (fuel, etc	split)		853.57
			Keewatin F	Engineering Inc.

xii)	Courier Charges (split)	98.78
xiii)	Mobilization/Demobilization	3,643.94
xiv)	Geophysics	246.63
xv)	Telephone	71.51
xvi)	Report (writing, drafting, processing, copying)	4,500,00
TOTAL EXPENDITURES:		\$73,007.65

