LOG NO: OCT	29	1091	RD.	City House
ACTION:				
FILE NO:				

GEOCHEMICAL REPORT

ON THE

RAILWAY-ZETU PROPERTY

Liard Mining Division, British Columbia NTS 104H/13W Latitude: 57° 53' North Longitude: 129° 50' West

Prepared for

HYDER GOLD INC. Vancouver, B.C.

Prepared by

David G. DuPre, B.Sc., P.Geol. KEEWATIN ENGINEERING INC. #800 - 900 West Hastings Street Vancouver, B.C. V6C 1E5

October 24, 1991



TABLE OF CONTENTS

Page	No
LUCC	TAP

1.0	SUMMARY	1
2.0	INTRODUCTION	2
	 2.1 Location and Access 2.2 Physiography and Climate 2.3 Property and Ownership 2.4 History of Exploration 2.5 Objectives of the 1991 Exploration Program 	2 3 3 4 5
3.0	GEOLOGY	6
4.0	 3.1 Regional Geology	6 8 11 11 14 15 16 16 17 17
	 4.1 Geochemistry 4.1.1 Sampling Procedures 4.1.2 Analytical Techniques 4.2 Discussion of Soil Horizon Development 4.3 Description and Discussion of Geochemical Results 	17 17 18 18 20
5.0	CONCLUSIONS	21
6.0	REFERENCES	22

LIST OF APPENDICES

APPENDIX I	Statement of Qualifications
APPENDIX II	Summary of Field Personnel
APPENDIX III	Statement of Expenditures
APPENDIX IV	Rock/Soil/Silt Sample Descriptions
APPENDIX V	Rock/Soil/Silt Sample Results
APPENDIX VI	Analytical Techniques

LIST OF TABLES

	LIST OF TABLES	Following Page No.
Table 1.	Claim Summary	4
Table 2.	Soil Test Pits	19

LIST OF FIGURES

		Following Page No.
Figure 1.	Location Map	2
Figure 2.	Claim Map	3
Figure 3.	Regional Geology	6
Figure 4.	Property Geology	8
Figure 5.	Main Trench Area	12
Figure 6.	Sampling Plan of "Discovery Zone"	15

LIST OF PHOTOGRAPHS

Page No.

Photo 1.	Trench 9	12
Photo 2.	Mineralized Quartz-Carbonate Veins in Phyllite (Trench 9)	13

LIST OF PLATES

In Pockets

Map 2. Geology Map (East Half)	0
March 11 Old Dark and the Construction (Construction Arr. Arr.) Wast 11-16	0
Map 3. Soll-Silt-Rock Geochemistry (Cu-Au-Ag) - west Hall 1:10,00	-
Map 4. Soil-Silt-Rock Geochemistry (Cu-Au-Ag) - East Half 1:10,00	0
Map 5. Soil, Silt, Rock Geochemistry (Pb, Zn, As) - West Half 1:10,00	0
Map 6. Soil, Silt, Rock Geochemistry (Pb, Zn, As) - East Half 1:10,00	0
Map 7. Soil Geochemistry, Main Trench Area (Cu, Au) 1: 2,00	0
Map 8. Soil Geochemistry, Main Trench Area (Pb, Zn) 1: 2,00	0
Map 9. Soil Geochemistry, Main Trench Area (Ag, As) 1: 2,00	0

1.0 <u>SUMMARY</u>

The Railway-Zetu property consists of 21 claims (9,000 acres) located one kilometre northeast of Iskut Village in northwestern British Columbia. The relatively unexplored property is predominantly underlain by Permo-Carboniferous foliated sedimentary rocks and lesser Triassic to Jurassic volcanic rocks which have been intruded by several intermediate intrusive stocks. A number of copper showings associated with shear zones or quartz carbonate veins are reported from the property.

In order to evaluate the porphyry copper/gold and shear/vein gold/silver potential of the property, a program of reconnaissance soil/silt sampling and showing evaluation was carried out in 1991. The silt sampling did not produce any responses which could be considered as very anomalous in a regional context. The contour soil sampling produced 27 samples which returned anomalous (>150 ppm) copper values. Sixteen of these anomalous values are clustered in an area to the southwest of Zechtoo Mountain. Another group of widely spaced anomalous copper results occurs in the northeastern part of the property. Outcrops and talus observed in these areas were not mineralized. A program of grid soil sampling in the "Main Trench Area" defined two trends of anomalous Cu, Au, Ag and As values.

An evaluation of the showings indicates that the chalcopyrite mineralization is related to minor amounts of quartz \pm carbonate veining in phyllites, volcanics or monzodiorites. The samples from the showings generally returned low values but some selected grabs of mineralized material returned values up to 36,040 ppm Cu. The best representative chip samples were obtained from the "Discovery Zone" (6,803 ppm Cu and 9 ppb Au over 0.80 m) and from Trench 7 in the "Main Trench Area" (1,725 ppm Cu and 1 ppb Au over 1.5 m).

The absence of large, pervasively altered and mineralized zones and the spotty, low order soil/silt geochemical responses indicate that the property's potential to host porphyry copper \pm gold deposits is low. The known showings returned low Cu and Au values from the grab and chip samples collected. These showings also do not display significant potential for hosting shear/vein base or precious metal deposits.

1

2.0 INTRODUCTION

The Railway-Zetu property is situated immediately northeast of Iskut Village in northwestern British Columbia. This large property is held by West Pride Industries Corp. and was optioned to Hyder Gold Inc. in early 1991.

The relatively unexplored property is predominantly underlain by Permo-Carboniferous deformed sedimentary rocks and lesser Triassic to Jurassic volcanic rocks. Several large Triassic-Jurassic gabbroic, dioritic or monzodiorite stocks intrude these supracrustal assemblages. A number of copper showings associated with shear zones and quartz \pm carbonate veins are reported from the property.

Keewatin Engineering Inc. was commissioned by Hyder Gold Inc. to carry out an exploration program in 1991 on the Railway-Zetu Property. The objective of this program was to evaluate the porphyry Cu/Au and shear/vein Au/Ag potential of the claim group. This report presents the results of the 1991 evaluation program.

2.1 Location and Access

The Railway-Zetu property is located in the Stikine region of northwestern British Columbia, approximately 200 kilometres north of Stewart and 50 kilometres south of Dease Lake (Figure 1). The claims lie immediately northeast of Iskut Village on the Stewart-Cassiar Highway (#37). The property is centred upon 57° 53' North latitude and 129° 50' West longitude on NTS map sheet 104H/13W. Access to most of the property is best gained via helicopter from various points along the highway. The nearest seasonal helicopter is located 25 km southwest of the property at Tatogga Lake and is operated by Canadian Helicopters Ltd.

Scheduled air service is available from Smithers to Iskut Village during the summer months. A dirt road from the highway near Iskut Village to the microwave tower on Zechtoo Mountain provides access to the western part of the property.

2



2.2 Physiography, Vegetation and Climate

The property covers a massif formed by Zechtoo and Thatue Mountains which is dissected by the deeply incised Zetu Creek. The central part of the massif is characterized by a gently rolling plateau above 5,000 feet with moderate to steep slopes on all sides. Elevations range from 6,215 feet at the peak of Thatue Mountain to 3,500 feet on the lowlands near the Iskut airstrip and near the Klappan River valley to the east.

The vegetation consists of willow and alder in the low flat areas followed by poplar on the lower slopes. Pine and spruce are common on the steep slopes up to the transitional tree line between 4,500 feet and 5,000 feet. Above the tree line, sub-alpine scrub and grasses predominate.

A number of small lakes are present on the plateau and, together with the numerous creeks on the property, could provide adequate water for camp and drilling purposes.

Precipitation in the area is moderate, averaging 100 cm per annum. Thick accumulations of snow are common during winter. It is seldom possible to commence surface geological work before July and difficult to continue beyond September.

2.3 Property and Ownership

The Zetu-Railway property consists of 21 claims (392 units) located within the Liard Mining Division. The claim disposition is shown on Figure 2 and the relevant claim information is tabulated below:



TABLE 1 - CLAIM STATUS				
Claim Name	No. of Units	Record Na.	Date Recorded	Expiry Date*
Zech 1	18	7493	June 30, 1990	June 30, 1993
Zech 2	18	7494	June 30, 1990	June 30, 1993
Zech 3	18	7495	June 30, 1990	June 30, 1993
Zech 4	18	7669	August 3, 1990	August 3, 1993
Zech 5	16	7670	August 3, 1990	August 3, 1993
Zech 6	18	7671	August 3, 1990	August 3, 1993
Railway 1	20	7487	July 2, 1990	July 2, 1993
Railway 2	20	7488	July 2, 1990	July 2, 1993
Railway 3	20	7489	July 3, 1990	July 3, 1993
Railway 4	20	7490	July 2, 1990	July 2, 1993
Railway 5	20	7491	July 3, 1990	July 3, 1993
Railway 6	20	7492	July 3, 1990	July 3, 1993
Railway 7	20	7672	July 30, 1990	July 30, 1993
Railway 8	20	7673	July 31, 1990	July 31, 1993
Rail 1	20	8165	March 31, 1991	March 31, 1993
Rail 2	20	8166	March 31, 1991	March 31, 1993
Rail 3	20	8167	March 31, 1991	March 31, 1993
Rail 4	10	8168	March 31, 1991	March 31, 1993
Rail 5	20	8169	March 31, 1991	March 31, 1993
Rail 6	20	8170	March 31, 1991	March 31, 1993
Rail 7	16	8171	March 31, 1991	March 31, 1993
Total: (21 claims)	392 Units			

* Expiry date subsequent to this assessment filing.

All of the claims are 100% owned by West Pride Industries Corp. with offices at 1030 - 800 West Pender Street, Vancouver, B.C., V6C 2V6. The property was optioned in 1991 to Hyder Gold Inc. with offices at 800 - 900 West Hastings Street, Vancouver, B.C., V6C 1E5.

2.4 <u>History of Exploration</u>

The Railway-Zetu property is located in the Stikine River area of northwestern B.C., a region well known for its alkalic plutons and associated porphyry copper/gold mineralization. The area was subjected to very little exploration until the 1960's and 1970's when extensive exploration for porphyry copper deposits took place. In particular, Texasgulf Inc. carried out an intensive exploration program throughout the area and discovered a number of significant prospects including the Red-Chris and Rok.

A number of slumped trenches located south of Zechtoo Mountain attest to a previous exploration program in this area. No record of this work is contained within the available records.

During 1976, Great Plans Development Company of Canada Ltd. carried out prospecting and geological mapping (Minfile #104H/15, 18) on the Kitty, Fife and Drum claims. These expired claims are within the area presently covered by the Railway-Zetu property. The Drum claim was located midway between Zechtoo Mountain and Thatue Mountain. The Kitty and Fife claims were situated on the south and west side of Zechtoo Mountain. No significant mineralized occurrences were discovered during this program.

During the period of June to August, 1990, West Pride Industries Corp. staked the Railway 1 to 8 (160 units) and the Zech 1 to 6 (106 units) claims. In March of 1991, the Rail 1 to 7 claims (126 units) were staked, adding more ground to the north of the Zech claims and filling in the gap between the two, previously separate, claim blocks. In July and August, 1990, Reliance Geological Services Inc. carried out a program of reconnaissance prospecting and silt sampling (Kidlark, 1990a and 1990b) on the property. In June, 1991, Placer Dome Inc. conducted a property examination of the property. They collected 99 soil samples from several traverses near Zechtoo and Thatue Mountains. Fifty-five rock samples were also collected, mainly from the "Main Trench" area. A sample location map and the analytical results were made available to West Pride Industries Corp. but a report was not submitted.

2.5 Objectives of the 1991 Exploration Program

The objective of the program reported in this report was to evaluate the porphyry Cu/Au and shear vein Au/Ag potential of the entire Railway-Zetu property. The primary thrust of this program was reconnaissance soil/silt sampling and an evaluation of the known showings.

3.0 <u>GEOLOGY</u>

3.1 <u>Regional Geology</u>

The Railway-Zetu property lies within the Stikinia Terrane of the Intermontane Tectono-Stratigraphic Belt (Figure 3). The claims are situated on the southern flank of the Bowser Basin.

Gabrielse and Tipper (1984) assign the oldest rocks in the region to an unnamed Carboniferous and older(?) sequence of phyllite, limestone and greenstones. North of the Pitman Fault, the Tsaybahe Group of Middle Triassic age unconformably overlies the Carboniferous and older(?) unit. This Group has been sub-divided into a Basal Sedimentary Unit, a Lower Volcanic Unit, a Middle Sedimentary Unit and an Upper Volcanic Unit. These supracrustal rocks have been intruded by a number of large plutons of pyroxenite to monzodiorite composition.

In places, Upper Triassic conglomeratic and limestone units of the Stuhini Group nonconformably overlie the "Railway Pluton" which occurs in several fault slices on the eastern part of the Railway-Zetu property. Northwest of Ealue Lake, a 200 m thick siltstone unit with minor limestone, conglomerate and greywacke layers may be correlative with the Stuhini Group. Green andesite, with plagioclase and some augite phenocrysts forms brecciated and tuffaceous sequences above and below the sedimentary unit and hosts the coeval "Edon" and "Rose" plutons of the Rok property. On Ehahceztle Mountain, purple andesitic volcanic breccia, conglomerates and flows are interbedded with the green andesites. Northwest of Ealue Lake, the purple volcanics which cap Ehahceztle Mountain are likely part of the "Toodoggone Volcanics" but cannot be excluded from the Stuhini Group.

South of Cold-Fish Lake, lies the fault-slivered western end of a belt of Lower Jurassic "Toodoggone Volcanics" which extends over 40 kilometres eastward. The southwesterly dipping and facing sequence is composed of green and maroon sedimentary and volcanic rocks.



Sandstone, shale and local lenses of basal breccia belonging to the Tango Creek Formation occur along the rim of the Grand Canyon of the Stikine. Rocks of the Sustut Group also outcrop along the Grand Canyon and form a gentle southerly dipping sequence that laps onto the northern margin of the Sustut Basin.

Several remnants of olivine basalt with lherzolite inclusions belonging to the "Nido Formation" of Pliocene to Miocene age. Two small remnants of olivine basalt, which lack lherzolite inclusions, belonging to the "Klastline Formation" of Pleistocene age occur on the Klastline Plateau.

In the area, some rocks retain evidence of four phases of folding and two phases of low grade regional metamorphism. Throughout much of the area, Carboniferous and (?) older rocks display two phases of mesoscopic folding, a well developed foliation, and a lower greenschist facies metamorphism which resulted from the Permo-Triassic "Thaltanian Orogeny". In contrast, the Lower and Middle Triassic rocks of the "Tsaybahe Group" lack foliation and tight mesoscopic folds.

In late Triassic time, several intrusions cut faults and folds developed in rocks as young as Early to Middle Triassic. No regional metamorphism accompanied this intrusive episode. In the northern part of the region, gently dipping "Toodoggone volcanics" unconformably overlie more steeply dipping sedimentary rocks of the "Tsaybahe Group". The deformation which produced this unconformity may have occurred between Middle and Late Triassic times or between Late Triassic and middle Early Jurassic times.

Along the western half of the Grand Canyon of the Stikine, gentle southwesterly dipping, unmetamorphosed sediments of the Sustut Group overlie moderate to steeply dipping volcanic and sedimentary rocks of the "Tsaybahe group" metamorphosed to a maximum of lower greenschist facies. This second phase of deformation and metamorphism, restricted to the interval between Late Triassic and Early Cretaceous, affects the older rocks throughout the area. At least two sets of Jurassic to late early Cretaceous faults with intervening folding have been mapped in that area. An early set, represented by the Z faults at the western edge of the map area of the Tanzilla Fault, were originally gently dipping faults which were subsequently folded about a northeasterly trending axis. A later fault set trends north-northwesterly, offsets the Z fault and has minor strike-slip movement. The major east-west trending Cold Fish and Pitman faults cut the Cretaceous Sustut Group. Both are steeply dipping with the older Cold Fish a suspected reverse fault with the northeast side up and the younger Pitman Fault a possible left lateral strike slip fault. The Pitman Fault is the longest (approximately 140 km) and most important of several east-west trending faults on the southern flank of the Stikine Arch.

3.2 Property Geology

Geological mapping was not carried out during the 1991 program. Outcrops observed during the course of the geochemical program were described by the samplers and their findings are incorporated on Maps 1 and 2. Most of the previously known showings were described and sampled. These observations are treated in Section 3.3 (Mineralization).

The geological setting of the eastern part of the property is derived from GSC Open File 1080 while the eastern half is portrayed on GSC Open File 1050 (Gabrielse and Tipper, 1984). The property geology (Figure 4) is dominated by a set of northwest-southeast and northeast-southwest trending faults which produce rectangular blocks of the various mapunits. The oldest and most extensive unit consists of Permo-Carboniferous phyllite, greenstone and limestone which underlies the western three-quarters of the property. Several outcrops of weakly foliated andesite were observed by the Keewatin crew in the southwestern part of the property. These are most analogous to the Tsaybahe Group. In the eastern part of the property, several fault-bounded slices of Tsaybahe Group volcanics alternate with rocks belonging to the "Toodoggone Volcanics".

The Railway Pluton is in fault contact with all other units. It has been assigned a Triassic age by the GSC (Open File 1080) and is described as a biotite augite meta-monzodiorite. The



DATE: OCT., 1991	NTS IO4H/I3E
PRDJECTI RAILWAY-ZETU	PROJ. GEOL. D. MEHNER
SCALE: 1:50,000	
Keewatin Engineering	Inc. Figure 4

Zetu Pluton is a large, elongate body with intrusive contacts and a diorite to gabbro composition.

Map-Units

Permo-Carboniferous

<u>Greenstone-Phyllite (Unit 1)</u>: This unit is predominantly composed of rusty weathering, light green phyllite and phyllitic greenstone. Minor amounts of ribbon chert and massive white or grey bedded limestone also occur within this unit. Most of the phyllitic units are well foliated, schistose and of greenschist facies metamorphic grade.

Triassic

<u>Tsaybahe Group (Unit 2)</u>: To the north of the Pitman Fault and in the southeastern corner of the property, the GSC (Open File 1080) have identified rocks belonging to the "Lower Volcanic Unit" of the Tsaybahe Group. They are described as porphyritic (augite) meta-andesite and meta-basalt breccia, tuffs and flows. Minor amounts of porphyritic (plagioclase) meta-andesite pillow lavas and flows with some breccia are also described.

The Keewatin crew observed similar rocks in the southwestern part of the property. These rocks have, therefore, been ascribed to the Tsaybahe Group even though Gabrielse and Tipper (1984) shows the area to be underlain by the Permo-Carboniferous unit.

Upper Triassic

Stuhini Group (Unit 3): Several narrow belts of green volcanic rocks and related sediments belonging to the Stuhini Group have been mapped by the GSC (Open File 1080) in the eastern part of the property. A thick belt is also mapped by Gabrielse

and Tipper (1984) in the southwestern part of the property. These rocks are described as aphanitic \pm augite phyrric breccia, tuffs and flows with lesser tuffaceous siltstones, argillites and wackes. In the extreme northeastern corner of the property, a thin band of granitic pebble to cobble conglomerate has also been mapped by the GSC (Open File 1080). In general, these rocks are relatively unmetamorphosed and undeformed.

Triassic to Jurassic

<u>Intrusive Rocks (Unit 4)</u>: A large, elongate stock of intrusive rocks occurs in the western part of the property. This unit varies in composition from diorite to gabbro and is generally medium grained, equigranular and unaltered.

The Railway Pluton is localized within several fault bounded slices in the northeastern part of the property. The GSC (Open File 1080) assign a Triassic age to the pluton and describe it as a biotite augite meta-monzodiorite. This pluton is generally coarse grained, equigranular and has a variable composition indicative of a multiphase intrusive complex.

Lower Jurassic

"Toodoggone Volcanics" (Unit 5): South of the Cold Fish Fault lies the fault-slivered western end of a belt of Lower Jurassic "Toodoggone Volcanics". A large block also occurs in the east-central part of the property. This unit is predominantly composed of green and grey aphanitic and plagioclase phyric andesite and basalt flows, breccia and minor tuff. The GSC (Open File 1080) has mapped several narrow bands of chert pebble conglomerate, grey-green and locally maroon tuffaceous wacke, siltstone, shale and volcanic breccia on the property. This assemblage is generally unaltered and weakly metamorphosed.

Tertiary

<u>Nido Formation (Unit 6)</u>: A small circular remnant of olivine basalt with lherzolite inclusions has been mapped by the GSC (Open File 1080) in an area one kilometre to the west of Thatue Mountain.

The geological setting of the property is dominated by a trellis-like net of faults. The most predominant of these are the regional Pitman and Cold Fish faults which transect the northeastern part of the property. The GSC (Open File 1080) concludes that both of these faults are steeply dipping with the older Cold Fish a suspected reverse fault with the northeast side up and the younger Pitman Fault a possible left lateral strike slip fault. A second series of northeast-southwest trending faults has segmented the property into a number of tabular blocks.

Foliation in the Permian and Older units suggest that these rocks have been deformed into a series of northwest-southeast trending tight folds. In contrast, the Lower and Middle Triassic rocks of the "Tsaybahe Group" are weakly foliated and tight mesoscopic folds.

3.3 <u>Mineralization</u>

A number of mineralized occurrences were examined and sampled during the course of the 1991 exploration program. The locations of these showings are plotted on Figure 4 and Maps 1 and 2. The sample descriptions and analytical results are incorporated in Appendix IV.

3.3.1 <u>"Main Trench Area"</u>

During the 1970's, nine bulldozer trenches were excavated in an area one kilometre southwest of Zechtoo Mountain. A considerable amount of overburden has slumped into these trenches and only a limited amount of subcrop is presently exposed (Photo 1).



Photo 1. Main Trench Area (Trench 9)

In addition to the limited trench exposures and outcrop, numerous angular bulldozed blocks were investigated. Six of the trenches were excavated to evaluate the primary mineralized system over a strike length of 180 metres (Figure 5). Two trenches (#3 and 4) tested a parallel system to the southwest of the primary system and one large circular trench evaluated a mineralized system to the northeast.

The mineralization in the primary system is composed of narrow, widely spaced quartzcarbonate (ankerite) veins and stringers hosted by phyllitic tuffaceous? volcanics (Photo 2).



mole	Boult Developing		A	A
тріє Урс	ROCK DESCRIPTION	ррт.	Ppb	Au oz/t
t, grab	Quartz vein in phyllite 7-10% chalco- pyrite and malachite in quartz vein	36,040	19	
t, grab	(ab) One metre thick quartz vein with 20% pyrite as blebs and disseminations. 3- 5% arsenopyrite.		1,000	0.029
t, grab	Quartz vein in phyllite 15-20% pyrite, 20-25% arsenopyrite, 15% pyrite, 1-2% chalcopyrite	5,997	1,600	0.047
t, grab	Quartz-carbonate altered phyllite. Limonite after 2-5% pyrite	49	10	
tcrop, n chip	Weakly gossanous, phyllitic siltstone with malachite stain (1-2% disseminated pyrite, chalcopyrite)	1,725	1	•
t, grab	Silicified phyllite with vuggy quartz veins (2-5% pyrite, trace chalcopyrite)	51	4	
t, grab	Silicified intermediate tuff with 10% quartz veins. 5% pyrite.	62	2	
, grab	Foliated intermediate volcanic with 3% quartz-carbonate veins containing 2% pyrite, trace chalcopyrite	759	2	
, grab	Silicified phyllite, strong iron stain. Brecciated, abundant quartz veins	844	102	
, grab	White quartz vein (±10 cm thick) with ≤1% pyrite. Strong iron stain	29	9	
crop, rab	Intermediate tuff with <1% quartz veins. Trace disseminated pyrite.	44	2	

LEGEND

1

- ·....: Outcrop
- ٥ Float
- Chip sample
- Outcrop sample (grab)

Float sample (grab)

HYDER GOLD INC.

RAILWAY-ZETU CREEK PROJECT

MAIN TRENCH AREA GEOLOGICAL SKETCH PLAN

DATE OCT., 1991 NTS 104H/13H PROJECTI RAILWAY-ZETU PROJ. GEOL D. MEHNER SCALE: 1: 2000 Keewatin Engineering Inc. Figure 5



Photo 2. Mineralized Quartz-Carbonate Veins in Phyllite (Trench 9).

These veins display various orientations but are preferentially aligned within the foliation plane. The veins average 0.5 cm in width and have a maximum width of 1.5 m. The veins comprise an aggregate of 1-10% of most exposures and have been traced discontinuously in several subcrop patches in Trench #7 over a width of 5 m.

These veins are weakly mineralized with trace to 1% disseminated pyrite and trace amounts of disseminated chalcopyrite. The samples collected from this trend returned low base and precious metal values. The highest values were obtained from several blocks of mineralized phyllite excavated from the trenches (Figure 5). One of the selected grab samples from Trench 2 returned 36,040 ppm Cu while a continuous chip sample from Trench 7 returned 1,725 ppm Cu over 1.5 m.

Trenches 3 and 4 exposed a mineralized system 50 m to the southwest of the primary trend. The style of mineralization is similar to the primary trend except that arsenopyrite is present.

The host rocks are slightly less foliated and the remnant volcanic textures are more obvious. A thick (approx. 1 metre) lenticular quartz vein with blebs of pyrite, arsenopyrite and chalcopyrite occurs on the north side of Trench 4. Bulldozed blocks of similar material were noted on the floor of Trench 3. The two selected grab samples of float from this zone returned the elevated values tabulated below:

Trench No.	Sample No.	Assay Cu (ppm)	Results Au (oz/ton)
3	91-JM-147-R-007	516	0.029
4	91-JM-147-R-001	5,997	0.047

The mineralization in Trench 1 is similar to that observed in the other trenches. A large subcrop exposure of mineralized phyllite and a number of bulldozed blocks exhibit 1-2% quartz-carbonate veins with up to 8% disseminated pyrite. The veins pinch and swell from several millimetres to 50 cm in width and are preferential concordant to the foliation plane.

3.3.2 "Discovery Zone"

This showing is located in the eastern part of the property, 250 metres north of Zechtoo Mountain. The showing is restricted to a 3 m x 1 m hand dug trench in talus. A 40 cm wide quartz-carbonate vein with $\pm 2\%$ chalcopyrite and an adjacent 40-50 cm wide breccia zone with quartz, carbonate and pyrite/chalcopyrite is exposed in the trenched rubble.

A series of five continuous chip samples were intermittently collected across this showing. The analytical results from this sampling are shown below in Figure 6.



Figure 6. Sampling Plan of "Discovery Zone."

A small angular float block (heave?) was located 15 m to the east of the main "Discovery Showing". A selected grab sample from this locale returned 9,907 ppm Cu and 49 ppb Au. Outcrops in the immediate vicinity of the showing are predominantly foliated to phyllitic, weakly pyritic intermediate volcanics with minor, local chloritic and carbonate alteration.

The area to the south and west of this showing was traversed and was found to be 40% covered by talus. The blocks in this area are mainly intermediate volcanics with trace amounts of pyrite. Four hundred metres southwest of the "Discovery Showing", several large boulders of intermediate volcanics contain quartz-carbonate veins with 2% disseminated pyrite. A grab sample of this float (#91-SH-147-F-001) returned 75 ppm Cu and 24 ppb Au.

3.3.3 <u>"Hematite Zone"</u>

This small (50 m x 50 m) showing comprises quartz-carbonate veinlets within outcrops and float of massive to phyllitic intermediate volcanic rocks. These veinlets make up 3% of the exposures. No sulphides were observed at this locale but spotty coarse grained hematite imparts a red-brown stain to the rocks. A grab sample of this hematitic material (91-SH-147-R-007) returned 60 ppm Cu and 1 ppb Au. Outcrop and talus in the vicinity of this zone is

unmineralized except for a few flecks of specularite. Downslope from the showing, two small $(\pm 40 \text{ cm})$ boulders of mineralized volcanic rocks were located. These boulders contain 5% quartz-carbonate veins up to 1 cm thick. Hematite, malachite and up to 5% chalcopyrite (as blebs) are commonly associated with these veins. A selected grab sample from this occurrence returned 7,173 ppm copper and 9 ppb gold.

Further downslope (at 5,680 feet elevation), a 5 m x 20 m area of quartz-carbonate veins in fine grained intermediate volcanics was observed. Chlorite and epidote are associated with these veins. No sulphides were observed at this locality.

3.3.4 <u>"Porphyry Zone"</u>

This zone is located one kilometre east-southeast of Thatue Mountain and was discovered in 1990 by Kidlark (1990). Several outcrops and float blocks of weakly mineralized monzodiorite and phyllite occur in a limited (20 sq. m) area. Trace to 2% very fine grained pyrite and trace to 3% chalcopyrite are associated with narrow quartz-carbonate veinlets and breccia matrix material. A grab sample of the best mineralized monzodiorite float blocks returned 266 ppm Cu and 1 ppm Au.

3.3.5 "Breccia Zone"

Three outcrops and numerous talus boulders of weakly mineralized maroon tuff were found in an area approximately 100 m wide. The mineralization consists of 1-2% chalcopyrite with minor malachite and bornite associated with quartz-carbonate fracture and breccia fillings. A selected grab sample of the best mineralized float returned 6,791 ppm copper and 3 ppb gold. Grab samples from three outcrops in the area returned a maximum value of 165 ppm Cu. Immediately above the mineralized zone, outcrops consist of unmineralized grey-green andesitic tuff.

3.3.6 "Altered Toodoggone Volcanic Zone"

This showing is described by Kidlark (1990) as a green and maroon tuff breccia with disseminated fine grained chalcopyrite. Kidlark (1990) collected a 60 cm "select chip" sample from this showing which returned 0.61% Cu and <5 ppb Au. The area in the vicinity of the plotted showing was thoroughly prospected by the Keewatin crews but no copper mineralization was observed in outcrop or float. The area is underlain by a sequence of thin banded tuffaceous rocks.

3.3.7 "Gossan Zone"

This zone was reportedly observed from the air by Kidlark (1990) in August, 1990. Two unsuccessful attempts were made to locate this gossan. Traverses done in the vicinity of the reported location show that the area is underlain by intercalated intermediate volcanics and mudstone. No sulphides and only minor quartz-carbonate veins were observed in the area.

4.0 <u>1991 EXPLORATION PROGRAM</u>

4.1 <u>Geochemistry</u>

4.1.1 <u>Sampling Procedures</u>

A total of 573 soil (including 24 soil pit profile samples), 45 silt and 51 rock samples were collected during the 1991 field season. Fifteen of the soil samples were inadvertently destroyed by fire in the Smithers facility of Min-En Laboratories. Control for sample positioning was obtained from 1:10,000 topographic maps, compass, topo-chain and altimeter. All of the sample sites were marked with flagging. The sample locations are plotted on Maps 3 and 4 attached to this report. The sample descriptions are included in Appendix IV.

The silt samples were generally collected where the contour traverses crossed stream channels. Typically, fine silt from the active portion of the streams was collected by hand and placed in kraft paper envelopes. Most of the samples were collected from narrow, shallow streams with a moderate gradient on the flanks of the plateau. In general, the plateau is well drained and silt sampling can be considered appropriate in targeting large porphyry $Cu \pm Au$ deposits.

Most (484) of the soil samples were collected at 100 m intervals along topographic contours. Two traverses were also done over the Zechtoo Mountain Plateau in the area underlain by the gabbro-diorite complex. Approximately 45 line-kilometres of contour traverses were completed during this component of the exploration program. Sixty-five soil samples were also collected from a small grid over the "Main Trench Area". These grid samples were obtained at 20 m intervals along lines spaced 100 m apart. The sample numbers from the grid are identified by co-ordinates. Generally, the soil samples were collected from the "B" horizon with a grub-hoe or long-handled shovel. The average depth of sample collection was 25 cm.

Nine rock chip and 42 grab (outcrop and float) samples were collected in 1991. These samples represent mineralized and/or altered rocks observed during the soil sampling traverses or the investigation of known showings. The rock descriptions are incorporated in Appendix IV.

4.1.2 Analytical Techniques

All of the samples were shipped to Min-En Laboratories Ltd. in Smithers for preparation prior to analysis in their Vancouver laboratory. This analysis comprised fire assay with atomic absorption finish for gold and a seven element ICP package (Ag, Cu, Pb, Zn, As, Sb, Mo). Samples which returned greater than 1,000 ppb gold were subsequently analyzed by fire assay with a gravimetric finish. All of the sample results are included in Appendix V and the analytical techniques utilized by Min-En Laboratories Ltd. are detailed in Appendix VI.

4.2 Discussion of Soil Horizon Development

Seven soil test pits were excavated in order to determine the soil horizon development. The locations of test pits are shown on Figure 5 and Maps 3, 4, 5 and 6. Two of these pits (T4

and T9) are located in the "Main Trench Area" (Figure 5), four are located on moderately steep slopes on the plateau flanks and one (DM-1) is situated on the plateau in the western part of the property. The soil sample descriptions from these pits are found in Appendix IV.

The soil horizons were profile sampled at, approximately, 10-20 cm intervals down the pitwalls. Samples of the subcrop at the bottom of the pits were also collected. The results of this profile sampling are shown on Table 2 below.

TABLE 2 - WEST PRIDE PROPERTY SOIL TEST PITS						
Pit	Sample No.	Interval	Horizon	Cu (ppm)	Au (ppb)	
DM-1	91-DM-147-S-AP1	0-20 cm	A	56	2	
	91-DM-147-S-BP1	20-30 cm	B	204	3	
	91-DM-147-S-C1P1	30-45 cm	C	357	4	
	91-DM-147-S-C2P1	45-60 cm	C	329	10	
	91-DM-147-S-C3P1	60-82 cm	C	386	1	
	91-DM-147-S-C4P1	82-113 cm	C	479	1	
	91-DM-147-S-C5P1	113-143 cm	C	486	2	
	91-JM-147-R-001	143 cm	subcrop	81	1	
DM-2	91-DM-147-S-AP2	0-14 cm	A	147	1	
	91-DM-147-S-BP2	14-23 cm	B	209	2	
	91-DM-147-S-CP2	23-56 cm	C	174	1	
	91-DM-147-R-005	56 cm	subcrop	198	6	
DM-3	91-DM-147-S-AP3	0-19 cm	A	93	6	
	91-DM-147-S-CP3	19-80 cm	C	69	10	
JM -1	91-GN-147-S-TP1A	0-8 cm	A	77	2	
	91-GN-147-S-TP1B	8-20 cm	B	147	2	
	91-GN-147-R-002	20 cm	subcrop	101	5	
JM-2	91-GN-147-S-TP2A	0-10 cm	A	27	2	
	91-GN-147-S-TP2B	10-25 cm	B	51	1	
	91-GN-147-S-TP2C	25-50 cm	C	110	2	
T4	91-GN-147-S-T4A	0-20 cm	A	1,288	6,190	
	91-GN-147-S-T4B	20-45 cm	B	1,146	1,040	
	91-GN-147-S-T4C	45-95 cm	C	1,169	532	
	91-GN-147-R-003	95 cm	subcrop	504	1,450	
Т9	91-GN-147-S-A1T9	0-15 cm	A	67	1	
	91-GN-147-S-B1T9	15-31 cm	B	559	42	
	91-GN-147-S-B2T9	31-41 cm	B	584	36	
	91-GN-147-S-C1T9	41-48 cm	C	508	57	

The soil horizons in the pits appear to be moderately well developed. The dark brown, organic-rich "A" horizon is 8-20 cm thick and overlies a "B" horizon which is found at an average depth of 15 cm. The "B" horizon is commonly medium red-brown in colour, silty or gritty in places, and locally contains rock fragments. The "C" horizon is characterized by abundant small angular blocks of subcrop in a matrix of red-brown sandy soil. This "C" horizon varies in thickness from 25 to 113 cm and is transitional into the subcrop. Three of the soil pits did not reach the subcrop. No special overburden conditions (i.e. fluvioglacial deposits, outwash, ash layers, etc.) which might suppress the geochemical dispersion were noted in the pits. No pits, however, were dug in the central part of the plateau where special overburden conditions may exist.

The soil geochemical profiles in most of the pits display an enrichment of copper in the "B" and "C" horizons with respect to the subcrop. With the exception of test pit T4, the copper content of the "A" horizon is depleted with respect to the subcrop and "B" or "C" horizons.

4.3 Description and Discussion of Geochemical Results

The forty-five silt samples returned values which ranged up to 7 ppb Au, 1.7 ppm Ag, 212 ppm Cu, 24 ppm Pb, 204 ppm Zn, 38 ppm As, 1 ppm Sb and 5 ppm Mo. In a regional context, these results can be considered as background values.

A review of the 484 reconnaissance contour soil geochemical results indicates that copper values greater than 150 ppm can be considered as probably anomalous and those greater than 200 ppm are definitely anomalous. Utilizing these criteria, 17 samples (3.5% of total) returned probably anomalous copper values and 10 samples (2% of total) returned definitely anomalous copper values. Sixteen of these anomalous values are clustered in an area to the south and east of Zechtoo Mountain. This area is also characterized by numerous anomalous lead (>30 ppm) and Zn (>140 ppm) values.

Another cluster of anomalous copper results occurs on the 5,000 foot contour in the northeastern part of the property. Several other single station copper anomalies are scattered throughout the property.

Thirty (6.2%) of the contour soils returned gold values greater than 10 ppb. The highest value was 39 ppb.

The grid soil sampling of the main trench area defined two trends with coincident anomalous Cu, Au, Ag, As values. The northern trend covers the westernmost trenches and extends 200 m further to the west and is still open. Values up to 626 ppm Cu and 120 ppb Au occur within this trend. The southern anomaly is defined by two stations 20 m apart on line 00. This anomaly is open to the west and characterized by copper values up to 2,556 ppm and gold values up to 204 ppb.

The rock sample results are discussed in Section 3.3 (Mineralization).

5.0 <u>CONCLUSIONS</u>

The reconnaissance silt and soil sampling in various parts of the property did not outline large areas with consistent, high order anomalous copper or gold values. The evaluation of the known showings indicates that they are related to quartz-carbonate vein systems, limited in extent and are only weakly mineralized. The rock sampling program did not produce any representative samples with significant copper or gold values. The highest value obtained from the chip sampling was 6,803 ppm Cu and 9 ppb gold over 0.80 m from the "Discovery Zone".

The absence of large, pervasively altered and mineralized zones and the spotty, low order soil/silt geochemical responses indicate that the porphyry Cu/Au potential of the areas investigated is low. The known showings returned low-order copper/gold values and do not exhibit significant potential for hosting economic shear/vein or fracture related base or precious metal deposits.



6.0 **REFERENCES**

- Anderson, R.G. (1978). Preliminary Report on the Hotailuh Batholith: its distribution, age, and contact relationships in the Cry Lake, Spatsizi and Dease Lake map-areas, north-central British Columbia; in Current Research, Part A, Geological Survey of Canada, Paper 78-1A, p. 29-31.
- Anderson, R.G. (1979). Distribution and emplacement history of plutons within the Hotailuh Batholith in the Cry Lake and Spatsizi map-areas, north-central British Columbia; <u>in</u> Current Research, Part A, Geological Survey of Canada, Paper 79-1A, p. 393-395.
- Anderson, R.G. (1980). Satellitic stocks, volcanic and sedimentary stratigraphy, and structure around the northern and western margins of the Hotailuh Batholith, north-central British Columbia; in Current Research, Part A, Geological Survey of Canada, Paper 80-1A, p. 37-40.
- Anderson, R.G. (1983). Geology of the Hotailuh Batholith and surrounding volcanic and sedimentary rocks, north-central British Columbia; Carleton University, unpublished Ph.D. thesis, 669 pp.
- Cooper, M.F.J. (1978). Geology of the Rose Property porphyry copper occurrence, northwestern British Columbia; Queen's University, unpublished M.Sc. thesis, 220 pp.
- DuPré, D.G. (1990). Geological report on the ROK property. Private company report for Carina Minerals Resources Corp.
- Gabrielse, H. (1979). Geology, Cry Lake, British Columbia; Geological Survey of Canada, Open File 610.
- Gabrielse, H. (1980). Geology, Dease Lake, British Columbia; Geological Survey of Canada, Open File 707.
- Gabrielse, H. and Tipper, H.W. (1984). Bedrock geology of Spatsizi map area (104H); Geological Survey of Canada, Open File 1005.
- Geological Survey of Canada (1957). Stikine River area, Cassiar District, British Columbia; Geological Survey of Canada, Map 9-1957.
- Geological Survey of Canada (1987). Geology of Klastline River, Ealue Lake, Cake Hill and Stikine Canyon, Open File 1080.
- Kidlark, R.G. (1990). Geological and geochemical report on the Railway Property, Liard Mining Division, private company report for West Pride Industries Corp.
- Kidlark, R.G. (1991). Geological and geochemical report on the Zetu Creek Property, Liard Mining Division, private company report prepared for West Pride Industries Corp.

- Panteleyev, A. (1978). Gnat Pass deposit; in Geological Fieldwork 1977, British Columbia Ministry of Mines and Petroleum Resources, p. 43-45.
- Placer-Dome Inc. (1991). Geochemical maps and analyses obtained during 1991 property examination. Results provided to West Pride Industries Corp.
- Read, P.B. (1983). Geology, Classy Creek (104J/2E) and Stikine Canyon (104J/1W); British Columbia; Geological Survey of Canada, Open File 940.
- Read, P.B., Psutka, J.F., Brown, R.L. and Orchard, M.J. (1983). "Tahltanian" Orogeny and younger deformations, Grand Canyon of the Stikine, British Columbia; Geological Association of Canada, Joint Annual General Meeting, Program with Abstracts, v. 8, p. A57.
- Smith, P.L., Thomson, R.C. and Tipper, H.W. (1984). Lower and Middle Jurassic sediments and volcanics of the Spatsizi map area, British Columbia; in Current Research, Part A, Geological Survey of Canada, Paper 84-1A, p. 117-120.
- Souther, J.G. (1972). Telegraph Creek map-area, British Columbia; Geological Survey of Canada, Paper 71-44, pp. 38.
- Souther, J.G., Armstrong, R.L. and Karakal, J. (1984). Age of peralkaline, Late Cenozoic Mount Edziza Volcanic Complex, northern British Columbia, Canada; Geological Society of America, Bulletin, v. 95, p. 337-349.
- Stevens, R.D., Delabio, R.N. and Lachance, R.G. (1982). Age determinations and geological studies: K-Ar isotopic ages, Report 16, Geological Survey of Canada, Paper 82-2, p. 4-12.

APPENDIX I

-

e

Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, DAVID GEORGE DuPRE, of 56 Parkgrove Crescent in the Municipality of Delta in the Province of British Columbia, do hereby certify that:

- 1) I am a graduate of the University of Calgary, B.Sc. Geology (1969), and have practised my profession continuously since graduation.
- 2) I am a member in good standing of the Association of Professional Engineers, Geologists and Geophysicists of Alberta; and I am a Fellow of the Geological Association of Canada.
- 3) I am a consulting geologist with the firm of Keewatin Engineering Inc. with offices at Suite 800 900 West Hastings Street, Vancouver, British Columbia.
- 4) I am the author of the report entitled "Geochemical Report on the Railway-Zetu Property, Liard Mining Division, British Columbia", dated October 24, 1991.
- 5) I directly supervised the exploration program carried out on the Railway-Zetu property between June 7 and August 20, 1991.
- 6) I do not own or expect to receive any interest (direct, indirect or contingent) in the property described herein nor in the securities of Hyder Gold Inc. or West Pride Industries Inc. in respect of services rendered in the preparation of this report.

Dated at Vancouver, British Columbia this 24th day of October, A.D. 1991.

Respectfully s David G. DuPi

APPENDIX II

Summary of Field Personnel

SUMMARY OF FIELD PERSONNEL						
Name	Position	Sampler Code	Days Worked			
R.F. Nichols D.G. DuPre D.T. Mehner J. Miller F. Ferguson S. Howson A. Muirhead D. Coolidge C. Anderson	Project Supervisor Project Supervisor Senior Geologist Geologist Senior Technician Prospector Prospector Prospector Prospector Prospector	DM JM FF SH AM DC CA	2.5 4.0 10.5 9.5 3.0 7.0 8.0 4.0 2.0			
 D. O'Brien G. Nagy B. Richardson F. Depey M. Brown T. Shepherd P. Wankling C. Thompson V. Jordan B. Whelan 	Prospector Senior Field Assistant Senior Field Assistant Field Assistant Field Assistant Field Assistant Field Assistant Field Assistant Field Assistant Cook/First Aid Attendant Tenure Administrator	DO GN BR FD MB RS PW CT	9.0 20.5 10.0 5.0 3.0 1.0 18.0 1.0 8.0 3.0			

APPENDIX III

Statement of Expenditures

Keewatin Engineering Inc.

.
STATEMENT OF EXPENDITURES

Pre-Field (maps, reports, permitting, equipment pro	curement)		\$ 2,103.48
Field Program			
Personnel		\$31,677.50	
<u>Camp Support</u>			
Camp Costs	\$8,812.17		
Fuel	202.14		
Expediting and Freight	1,808.30		
Communications	216.60	11,039.21	
<u>Transportation</u>			
Fixed Wing and Travel	\$3,268.14		
Truck	1,875.00		
Helicopter	8,568.00	13,711.14	
Geochemical Analyses		4,052.20	
Field Equipment		594.28	\$ 61 ,074.3 3
Post-Field (report writing, drafting, word processing	, reproduction)		<u>\$ 6,555.00</u>
TOTAL:			<u>\$69,732.81</u>

APPENDIX IV

Rock/Soil/Silt Sample Descriptions

Keewatin Engineering Inc.

Rock Sample Descriptions

ı

Keewatin Engineering Inc.

Project: Hyde	or/West Pride			Results Plotted By: A. Mu	Results Plotted By: A. Muirhead					
Area (Grid):	Railway			Мар:	NTS: 104H/	1 3W				
Collectors: M	uirhead			Date: Sept. 14, 1991	Date: Sept. 14, 1991 Surface: X					
							A	SSAYS		
SAMPLE NO.	LOCATION NOTES	SAMPLE TYPE/LENGTH	ROCK TYPE	SAMPLE DESCRIPT	Au (ppb)	Au (oz/ton)	Cu (ppm)			
91AM147R-001	Elevation ~5,580', above plotted WPR90-7	Grab	Mylonite- Phyllite	Sub-crop (heave) directly upslope zone". Contorted (mylonitic) phy weathering with late Fe/carb frac 2% < mm size euhedral pyrite + chalcopyrite.	e of "porphyry yllite. Pink-buff ture fillings. 1- - possible trace	9		36		
91AM147R-002	Elevation 5,580'	Grab	Sheared/ Laminate Int. Volcanic	Sub-crop. Banded appearance, or altered phyllite(?) propylitic with grained-euhdral pyrite, trace chal	2		71			
91AM147F-003	Elevation 5,500'	Float	Monzo- diorite	Float boulder ~ 30 cm diameter boulder (rare) in "talus" slope - r sheared monzodiorite with 1-3 m carbonate fracture filling and cor chalcopyrite and fine grained diss chalcopyrite @ margins of fractur chalcopyrite average.	High grade moderately am quartz/ rse blebs of seminated are filling. 3%	1		266		
91AM147R-004	Elevation 5,440'. Plotted location WPR90-8.	Comp. Grab	Monzo- diorite	Sub-crop in bear pit. Shear brec gouge. Altered monzodiorite. N sulphides but rusty clay alteration	4		165			
91AM147R-005	"Breccia Zone" Elevation 5,600'	Rep. Comp. Grab	Lapilli Tuff/Tuff Breccia	Several >1 m boulders/ heaved a lapilli tuff brecciated re-heald wit carbonate/quartz fill. Trace to 1 and malachite stains.	subcrop maroon th % chalcopyrite	2		566		
91AM147R-006	"Breccia Zone" Elevation 5,600'	Comp. Grab	Lapilli Tuff/Tuff Breccia	Outcrop. Fractured maroon lap carbonate fracture filling to 0.5 c disseminated chalcopyrite and m	illi tuff. Minor om wide with alachite stains.	1		312		
91AM147R-007	"Breccia Zone" Elevatioan 5,600'	Float	Lapilli Tuff/Tuff Breccia	Float - very unusual brecciated 1 5% + chalcopyrite as coarse diss Mainly in quartz/carbonate fill.	apilli tuff with seminations.	3		6,791		

						A	SSAYS	
NO.	LOCATION NOTES	SAMPLE TYPE/LENGTH	ROCK TYPE	SAMPLE DESCRIPTION	Au (ppb)	Au (oz/ton)	Cu (ppm)	
91AM147R-008	"Breccia Zone"	Grab	Maroon Tuff/Lapilli Tuff	Small (1.5 x 2.0 m) area of breccia/ fracturing with carbonate fill. Chalcopyrite and malachite stains (average approx. 1% chalcopyrite)	1		1,531	
91AM147C-009	5,200' elevation ~200 m east of "100 m trench" plot	Chip (6 m)	Phyllite/ Andesite	6 m chip @ 050° across weathered phyllite/shear zone platey foliation-fractures @ 130°/60° and 160°/80° northeast. Occasional rusty zones and gouge. No visible Cu.	4		125	
91AM147F-010	5,200' elevation 8 m upslope of sample 009	Float	Quartz/ Iron Carbonate	Float/possible subcrop. Quartz/iron-carbonate breccia vein material in weathered phyllite/shear slope as above - trace to 1% coarse chalcopyrite pod?	2		293	
91AM147F-011	5,200' elevation 8 m upslope of sample 009	Composite Grab	Phyllite/ Andesite	Composite grab. Friable material similar to C- 009 from 0.3 m. Pit dug below F-010 and less sheared andesite from 0.5 m upslope (outcrop).	1		123	
91AM147F-012	Elevation 5,450'.	Float	Mixed	Float - a volumetrically representative sample of approx. 3×3 m area of float. Includes some quartz/iron carbonate breccia material with approx. 1% chalcopyrite.	1		70	
91AM147R-013	Approx. 12 m upslope of 012.	Grab	Phyllite	Grab of outcrop (heave?) upslope of above - weakly brecciated chloritic phyllite minor carbonate alteration + fe/carbonate fracture filling. Trace to 1% disseminated pyrite.	2		61	

ROCK SAMPLE DESCRIPTIONS

Project: Hyde	er/Westpride (#147)			Results Plotted By: A. Mu	irhead						
Area (Grid):	Railway			Map:	NTS: 104H/	'13W				<u> </u>	
Collectors: S	ally Howson			Date: Sept. 14, 1991	Surface: X		Ur	ndergrou	ound:		
							A	SSAYS			
SAMPLE NO.	LOCATION NOTES	SAMPLE TYPE/LENGTH	ROCK TYPE	SAMPLE DESCRIPT	IION	Au (ppb)	Au (oz/ton)	Cu (ppm)			
91SH147F-001	400 m southwest of "Discovery Zone". Elevation 5,840'	Float	Intermediate Volcanic	 Float - ???? boulder 8 x 2 m angular with 5-6 smaller ang the same area 4-10 cm quartz/carbonate ve grained pale green volvanic. associated with quartz/carbo sulphides). Host rock contains 2% disse no chalcopyrite - no malachi 	gular boulders in eining in fine Chlorite mate veining (no eminated pyrite - ite.	24		75			
91SH147C-002	"Discovery Zone" - subcrop.	Chip (0.80 m)	Intermediate Volcanic	80 cm chip across weakly sericitiz green, intermedaite volcanic with disseminated pyrite/chalcopyrite. - east of quartz/carbonate veir	zed fine grained, 1 2-3% Subcrop. n.	2		530			
91SH147C-003	"Discovery Zone" - subcrop?	Chip (0.80 m)	Quartz/Carb vein in Intermediate Volcanic	 80 m chip across quartz/carbonat 30 cm of sample - quartz/carbonat trends 160° dip vertical. Los chalcopyrite/pyrite malachite cm of intermediate volcanic veining. 1-2% disseminated chalcopyrite. 	te vein. rbonate vein cally massive staining. 50 with quartz pyrite/	9		6,803			
91SH147C-004	"Discovery Zone"	Chip (1.0 m)	Intermediate Tuff	 1 m chip across well foliated tuff. trace pyrite, joint 298 vertica 	l sericitic altered al dip	2		93			
91SH147C-005	"Discovery Zone"	Chip (2.0 m)	Intermediate Tuff	2 m chip - same as C-004. <tra< td=""><td>ce pyrite.</td><td>1</td><td></td><td>46</td><td></td><td></td></tra<>	ce pyrite.	1		46			
91SH147C-006	"Discovery Zone"	Chip (3.0 m)	Intermediate Tuff	3 m chip - same as C-004.		1		68			

.

						A	SSAYS	
SAMPLE NO.	LOCATION NOTES	SAMPLE TYPE/LENGTH	ROCK TYPE	SAMPLE DESCRIPTION	Au (ppb)	Au (oz/ton)	Cu (ppm)	
91SH147R-007	"Hematite Showing" Elevation 5,900'.	Grab	Intermediate Volcanic	 Grab of phyllite, dark green, fine grained volcanic with 3% quartz/carbonate veining. mm - 4 cm wide. hematite occurs at quartz/carbonate contact with host rock. No sulphides occur. Jointing 020° vertical Jointing 080 dip 40°N Foliation 60° vertical 	1		60	
91SH147F-008	"Hematite Showing" Elevation 5,760'	Float	Intermediate Volcanic	30 x 40 cm subangular blocks. Volcanic with mm quartz vein. Hematite. Pods of chalcopyrite (mm) malachite staining locally 10% chalcopyrite.	9		7,137	
91SH147F-009	Talus Slope - 5,060'. Glacial till where minfile showing is located on Map 1:10,000	Float	Intermediate Volcanic	Rounded to sub-rounded boulder - 40 x 50 cm. Quartz/calcite vein in intermediate fine grained dark grey volcanic. 1% specular hematite.	1		65	
91SH147R-010	5,100' - up the draw from F- 009 600 m.	Grab	Intermediate Volcanic	 Gossanous outcrop of phyllitic, pale green, fine grained, carbonate alteration intermediate volcanic. 3% cubic disseminated pyrite. 	3		42	
91SH147R-011	Trench 9	Grab	Andesite Tuff	Blocky, weakly phyllitic, dark grey/brown, andesite tuff, fine grained with $< 1\%$ disseminated pyrite.	2		44	
91SH147R-012	Trench 8	Grab	Intermediate Volcanic	Large boulder possibly subcrop. 1.60 x 80 cm silic. intermediate volcanic with 10% quartz/calcite/chlorite veining. 5% pyrite associated with veining, trace to 1% chalcopyrite associated with veining.	2		62	
91SH147F-013	Trench 8	Float	Phyllite	20 x 10 cm phyllitic volcanic tuff? with mm to 0.5 cm quartz/calcite veining. 2-3% pyrite/chalcopyrite associated with veining.	2		759	
91SH147F-014	Trench 7	Chip (1.5 m)	Argillite	1.5 m chip across fissile argillite with quartz/carbonate veining, 1-2% disseminated pyrite/chalcopyrite, malachite staining.	1		1,725	

-

.,

· •

Project: West	Pride (#147)		Results Plotted By: Jason Miller							
Area (Grid):				Map:	NTS: 104H/	13W				
Collectors: D	ave O'Brien & Don Coolidg	e		Date: Aug. 4, 1991	Surface: X		Ur	dergrou	nd:	
			D.C.CTT	· · · · · · · · · · · · · · · · · · ·			A	SSAYS		
NO.	LOCATION NOTES	SAMPLE TYPE/LENGTH	Түре	SAMPLE DESCRIP	TION	Au (ppb)	Au (oz/ton)	Cu (ppm)		
91DO147R-902	Same location as soil sample 91-DO-147S-001	Float	Andesitic plagioclase porphyry volcanic	1% specular hematite veins in a grained, plagioclase porphyritic magnetic. Veins <1 mm.	a green, fine andesite. Non-	1		33		
91DO147R-907	Same location as soil sample 91-DO-147S-026 stn + 70 metres @ 5,000 feet ASL	Grab	Greywacke	Platey fractured clastic rock; cal fractures/veins sub-parallel to cl 1% chalcopyrite -no pyrite, no p	lcite eavage contain gossan.	1		2,231		
91DO147R- 2072	Elevation 4,480 feet ASL	Grab (2.0 m area)	Silicified Siltstone (bedded)	≥2-3% pyrite + trace chalcopyr along fractures and finely disser magnetic. Smells fetid (sulphid fractured limonite.	ite (<0.3%) ninated. Slighly es?). Abundant	9		88		
91DO147R-914	Same location as soil sample 91JM-147S-058	Grab	Silicified Diorite(?)	Carbonate altered, silicified dior magnetic. 5% mafies (altered r carbonate, fractured + dissemin after pyrite (4%).	rite. Non- nt). 5% nated limonite	21		43		
91DC147R- 0273	Elevation 4,490 feet ASL	Grab (1.0 m area)	Fine grained Granodiorite	3-4% fractured limonite and 1- disseminated pyrite in a fine gra granodiorite. Non-magnetic.	2% finely ained	3		108		
91DC147R- 0274	Elevation 4,490 feet ASL	Grab (2.0 m area)	Silicified Siltstone (bedded)	Slightly magnetic siltstone (silici finely disseminated pyrite. 2% controlled limonite.	fied) with 5% fracture	3		85		
91DO147R-915	91-PW-147-S-062	Grab Selected	Vein	Epidote-pyrrhotite vein(?) in ac andesite(?). 5% pyrrhotite; vein long and pinches and swells.	tinolite altered n 3" wide, 1-2 m	20		985		

Project: West	Pride - Railway-Zetu (#147		Results Plotted By: D. Me								
Area (Grid):				Map:	13						
Collectors: Da	ave Mehner		Date: July, 1991	Surface: X		Underground:					
							А	SSAYS			
SAMPLE NO.	LOCATION NOTES	SAMPLE TYPE/LENGTH	ROCK TYPE	SAMPLE DESCRIPT	Au (ppb)	Au (oz/ton)	Cu (ppm)				
91DM147R-001	Trench 4 @ 5,100 feet; old trench area	Float	Quartz vein in phyllitic siltstone	Vuggy, oxidized quartz vein from of trench; grabs with up to 20-25 15-20% pyrite (veins to 2 cm), 12 and 1-2% chalcopyrite; host is ph	1,600	0.047	5,997				
91DM147R-002	Old pit, 350 metres north of Railway 2, 3, 4 and 6 LCP; @ West Pride sample B1301	Grab	Sericitic phyllite	Chalcopyrite veins and chalcopyrite veins (to 4 mm) within felsic, sug crystallized) phyllite; small "higher showing <1 m x 3 m.	49		9,907				
91DM147R-003	Main Showing 15 m north of above	Chip (4.0 m)	Phyllite	Chips across footwall immediately mineralized pit; trace disseminate	y west of ed pyrite only.	4		72			
91DM147R-004	Main mineralized showing as above	Grab	Chalcopyrite -Calcite- Dolomite ± Quartz Vein	Grabs of "chalcopyrite rich" vein (2) are ≤30 cm each and occur w intervals; occur within "late" fract cross-cut foliation (155°); chalcop 8-10% chalcopyrite and occur in	37		19,850				
91DM147R-005	Test pit DM-2 @ 5,870 feet	Grab	Phyllite	Barren, pale green phyllites at ba	6		198				
91DM147R-006	4,620 feet ASL; 2.38 km southeast of Railway 2, 3, 4 and 6 LCP.	Chip (5.0 m)		Leached, grey, siliceous fine grain with 6-8% finely disseminated py stain on fractures and gossan out feet ASL and is 3 m @ 180° by 2	ned andesite(?) rite; strong iron tcrop @ 4,720 20 m @ 146°.	1		51			

Project: West	Pride - Railway-Zetu (#147		Results Plotted By: Jason								
Area (Grid):				Map:	/13	13					
Collectors: Ja	son Miller			Date: July, 1991		Un	dergrou	nd:			
						A	SSAYS				
NO.	LOCATION NOTES	SAMPLE TYPE/LENGTH	ROCK TYPE	SAMPLE DESCRIPT	Au (ppb)	Au (oz/ton)	Cu (ppm)				
91JM147R-001	Test pit 1 along road, west end of property @ 4,950 feet ASL	Grab	Andesite Tuff(?)	Silicified along fractures; ≤2% fin disseminated/fractured pyrite; ver 2% calcite; non-magnetic; sample pit.	1		81				
91JM147R-002	South end of old cat Trench 9	Float	Phyllite	Silicified with boxwork after pyrin veining and breccia; strong iron s	102		844				
91JM147R-003	East side, south end of old cat Trench 9	Float	Quartz vein	Bull white quartz vein ≥10 cm; = rock strongly oxidized with strong limonite.	9		29				
91JM147R-004	Southeast end of old cat Trench 8	Float	Phyllite	Iron stained, silicified phyllite; vu with 2-5% disseminated pyrite an chalcopyrite along foliated fractu some ankerite veining.	4		51				
91JM147R-005	North end of old cat Trench 6	Float	Phyllite	Quartz-carbonate altered phyllite limonite after 2-5% pyrite along carbonate fracture filling.	10		49				
91JM147R-006	North end of old cat Trench 2	Float	Quartz vein in phyllite	7-10% chalcopyrite + malachite cutting phyllite; vein ≤ 3 cm; it pi swells.	in quartz vein nches and	19		36,040			
91JM147R-007	Middle of old cat Trench 3	Float	Quartz vein	1 metre wide quartz vein; 20% t disseminated pyrite with 3-5% an calcite and quartz fracture filling boxwork after pyrite.	1,000	0.029	516				

Project: West	Pride - Railway-Zetu	Results Plotted By: Bruce Richardson								
Area (Grid):		-		Мар:	13					
Collectors: B	ruce Richardson	. <u></u>		Date: July, 1991	Date: July, 1991 Surface: X					
						Α	SSAYS			
SAMPLE NO.	LOCATION NOTES	SAMPLE TYPE/LENGTH	ROCK TYPE	SAMPLE DESCRIP	SAMPLE DESCRIPTION					
91BR147R-001	1,070 metres east-southeast of Microwave tower; on top of Zechtoo Mountain	Grab	Dioriote	Altered, leached, medium graine mainly leached out; iron gossan trace disseminated pyrite.	d diorite; mafics on fracture;	2		160		

Project: West Pride - Railway-Zetu (#147)				Results Plotted By: Grant							
Area (Grid):				Map:	13						
Collectors: Grant Nagy				Date: July, 1991 Surface: X Under					derground:		
SAMPLE ROC			200		AS						
NO.	LOCATION NOTES	SAMPLE TYPE/LENGTH	ROCK TYPE	SAMPLE DESCRIPT	SAMPLE DESCRIPTION						
91GN147R-001	Test Pit at Trench 9 in old trench area below Microwave Tower.	Grab	Phyllite	Weak iron stain in phyllite at bas pit.	1		49				
91GN147R-002	Test Pit 1 at 4,840 feet ASL below main trenches above.	Grab	Phyllite	Barren phyllite at base of soil tes	5		101				
91GN147R-003	Soil test pit near Trench 4	Grab	Phyllite	Iron-stained, vuggy, leached out boxwork after sulphides.	phyllite;	1,450	0.049	504			

Soil Sample Descriptions

Keewatin Engineering Inc.

$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Dote 1 0 $Vegetation$ Solid Dote opography Vegetation Solid 0
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $
Somple Notes $\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 $	Sample Notes $\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 $	Image: Second
Number Stotion Stotion	Number Observed Station	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
AIPD VA Z500 OO1 Am E V C B IO V Z_{500}^{-0} 002 Am 130° V A ZO V Z_{500}^{-0} 002 Am 130° V A ZO V Z_{500}^{-0} 002 Am 120° V A ZO V Z_{500}^{-0} 004 Am 120° V A ZO V Z_{500}^{-0} 004 Am 120° V A ZO V Z_{500}^{-0} 005 Nme 123° V A ZO V Z_{440}^{-0} 007 Am 133° V A ZO V Z_{440}^{-0} 008 Suborg - Am 135° V A ZO V Z_{550}^{-0} 004 Suborg - Am 135° V B ZO V Z_{450}^{-0} 009 Suborg - Am 130° V B ZO V Z_{460}^{-0} 010<	470 4500 001 Hr_1 E V 5100 4500 002 hr_1 130° V C 100 4500 003 Ang 130° V V C 100 4500 003 Ang 120° V A 200 4500 003 Ang 120° V A 20° 4500 005 Nme 125° V A 20° 4440 007 Arg 130° V A 20° 4440 007 Arg 135° V A 20° 4440 007 Arg 130° V A 20° 4560 006 $5Mag$ 130° V B 20° 4560 007 Arg 130° V B 20° 4560 010° Arg 100° V B 20°	E V B IQ V IQ I30° V C 109 V IQ I23° V A ZO V IQ I40° V A ZO V IQ I40° V A ZO V IQ I40° V A/8 IS V IS I30° V A ZO V IS I30° V B ZO V IS <t< td=""></t<>
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	V_{0}^{-1} V_{1} B_{0}^{-1} V_{1} V_{0}^{-1} V_{1}^{-1} B_{0}^{-1} V_{1}^{-1} V_{1}^{-1} V_{1}^{-1} A_{1}^{-1} V_{1}^{-1} <
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	140 V 30° V $4/6$ 15 V 130° V 6 30 V $4/6$ 15 V 130° V 6 30 V 4 20 V 130° V 4 20 V 4 20 V 155° V 6 20 V 6 20 V 123° V 6 20 V 6 20 V 100° V 6 20 V 6 20 V 100° V 6 20 V 6 20 V 130° V 6 30 V 6 20 V 130° V 6 20 V 6 20 V 160° V 6 20 V 6 20 V 130° V 6 20 V <t< td=""></t<>
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$ 4_{2} $ \vee $ 6 _{30}$ \vee $ 6 _{30}$ \vee $ 3_{30}^{\circ} $ \vee $ 6 _{30}$ \vee $ 7_{30}^{\circ} $ \vee $ 7_{30}^{\circ} $ \vee $ 3_{30}^{\circ} $ \vee $ 7_{30}^{\circ} $ \vee $ 7_{30}^{\circ} $ \vee $ 7_{30}^{\circ} $ \vee $ 3_{30}^{\circ} $ \vee $ 7_{30}^{\circ} $ \vee $ 7_{30}^{\circ} $ \vee $ 7_{30}^{\circ} $ \vee $ 3_{30}^{\circ} $ \vee $ 7_{30}^{\circ} $
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	V 21 8 V 21 8 V 21 8 V 22 8 V 05 8 V
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	V 21 81A V 22 81A V 05 81A V 05 82A V 05 8
4480 014 Subary - Ang 600 V A/B 20 V 1200 020 Subary - Arg 130 V A/B 20 V 4380 021 Amg 130 V A/B 20 V	4480 014 Subang - Ang 20 200 020 Subang - Ang 220° V A/8 20 200 020 Subang - Ang 130° V A/8 20 4380 021 Ang 130° V 020	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
<u>4380</u> 020 Subang - Alig <u>4380</u> 021 Ang	$\frac{1}{4380} \frac{020}{021} = \frac{300}{100} = \frac{100}{100} = 1$	
4380 021 mg	4380 021 100	

KEEWATIN ENGINEERING INC.

Ĵ

1.1

	•	1/7			SOIL SA	MPL	_ES	1	RASI	lts F	Plotte	d B	 v:	Ē	De	PEY						
Proje	cl:	141											,	N	PΤ	•	10	4 H	/13	w		
Area	(Grid)):	COALCA					1	мар:	G	10	<u>רו</u>	27	13	. 1. 9.	•						
Colle	ctors	: <u>+D</u>	FEITIO					•	Date				$\frac{\alpha}{2}$									
		Somple Lo	cotion	ORGANIC - ORG		To	bodra	phy			v	gela	llon					Soli	1	Dotọ	،	
Som	ple			SAND = SD SILT = ST CLAY = CL Notes		ottom	of slope		round .	Wooded	Wooded			p		S ampl ed	Horizon pie	Horlzon	Develop - ment	Parent	Moterial	
Num	ber	elevenin		• •	•	1ey B	ction o	Top	vil G	ý I I Y	orsely	rnt	gged	ماءده	rompy	rlzon [.]	Son to	poq	۲ o	Ξ	drock	lour
		Lin	Station	ORG/GR/SD/S	stKL.	lo≻	er D	HIH	د	ч	ş	8	٩	อั	Ś	웃	å	ů T	ă,	ŏ	m,	ပိ
PIED	147	4,500	022	Ang			602		ļ	ļ	14					B	30	<u> </u>	\square	\vdash	V	LB LB
<u> </u>		4500	023	And 10/40/40/10/0		ļ	60°		ļ		Ι <u>Υ</u>	ļ				B	40	V I	\vdash		<u>V</u>	MA.
		. 4500	024	Ang 5/45/40/10/0		ļ	632		ļ	14	ļ			ļ		17	35	¥,	<u>├</u> ──			NG
		4500	025	Ang 5/50/35/10/J		_	83	ļ	ļ	1V	<u> </u>	┣	<u> </u>			10	25	v		<u>├</u> ───┤	17	ME
		4470	026	Arg 5/50/35/10/2	<u>.</u>		10'				 	<u></u>	 	┨────	╂───	18-	30	1V	÷	<u> </u>	1 /	MR
		4500	027	Ang 5/50/35/10/5		- <u> </u>	1103		<u> </u>	+	$+ \star$	+	<u></u>	<u> </u>		18	30	1V	+	17	<u> </u>	MR
	ļ	4500	028	Surg 10/ 30/3 /10/0			<u>ر در ا</u>	<u> </u>	+	$+\pi$	┼╨╌	+	┼──			12	130	1V	+	<u> -×</u>	V	DR
	· ·	4500	020	Amg - 10/35/35/30/3			120	<u> </u>		+	+	+	+	╂	+	R	30	V	+	t	t	MR
	ļ	4540	030	Strama /m2 10/30/33/20	<u> (</u> , -		1000	. 	+	+	+	÷ 		+	┼──	B	30	tr	+	<u>† </u>	tv	1AB
		4540	031	Ang -10/3/10/40/	40		190	+		tv	+	+	1.		+	B	20	V	1	1	IV	MR
	<u>}</u>	4520	0.52	A 2 10/010/10/0			150			+	\mathbf{t}	1.	+	1	1	B/C	20	1	V	\top	TV	DB
		4540	032	A C130/5/10/6	: 2	+	110	╡	+	TV		1		1.	1-	B	30	V	1.	Ţ.	IV	6
		4560	034	A. 5/5/30/30/30	<u>, </u>	÷	180	<u>s</u>	+	TV.		1	1-			B	20	I.V		·	IV	G
		4.35	DZ6	5/22/12/25/	70		70	7.	1	1V			1			T.B	30	ĪV			V	LB
		4500	050	Ada 2012011212517	5.		115	, 		オマ	+					B	23	V			TV	MB
I		1500	038	Ano 20150/5/15/10			125	7			V					B	20	V			V	MB
		1570	030	Ang 15/62/15/10/0	·····		140	2		TV	ŀ					C	20	,	\vee		V	MB
		4502	0(2)	Ana 22/10/10/40/20			16:	2		Y						B	20	V			V	DE
	<u> </u>	450	041	Ang 2012 130/30/	¢		160	2		TY						B	30	<u>IV</u>			11	MB
	ŧ													_		<u> </u>					_ <u> </u>	
				-			·					·	_						1_		<u> </u>	
			•						•		\bot		_					4-				
						·						_						+-	+	+		+
											<u> -</u> -							+-			+·	
																	_					
													- i		·			+		<u> </u>		
		•	• •	•																+-		
							!	_1.)	1	I	ł	1	1	1	I	I	•	1		1	

Project:	147		KEEWATIN EN soil s	IGIN AMP	EEF les	RIN	G I Resu	NC. 115 F	Plotte	ed By	 /:	N	· F	F. D.	EPE	γ 4H	1/13	3W		
Area (Grid) Collectors	(FRANC	bis DER	7) F D			. I	Dote		91.	70	• 2	3								
	Somple Lo	cotion		T	pogra	phy			Ve	gela	tlon					Sol	1	Dotç	,	
Sample Number	elevator,	Station	Notes	Valley Bottom	Cirection of slope	HIII Top	Level Ground .	Heavily Wooded	Sparsely Wooded	Burnt	Logged	Grassland	Swompy	Horlzon' Sampled	Depth to Horizon Somple	Good Horizon	Poor Develop -	Drift Porent	"Bedrock Material	Colour
	$\begin{array}{r} 4580 \\ 4580 \\ 4600 \\ 4600 \\ 4600 \\ 4600 \\ 4600 \\ 4600 \\ 4600 \\ 4600 \\ 4640 \\ 4660 \\ 460$	042 043 044 045 046 047 048 047 048 047 050 051 052 053 054 055 055 055 055 055 055 055 055 055	$\begin{array}{r c c c c c c c c c c c c c c c c c c c$		40 x 0 x x 2 x 2 4 x x 0 x 0 x 0 x 0 4 x 8 x N X x x x x x x x x x x x x x x x x x									BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	15 20 20 20 20 20 20 20 20 20 20 20 20 20					SUPERIZER ZE ZE ZE REAR REAR REAR REAR AND THE

	j j			ling the second s	1	1	· · · ·	}		-	. J		1		Ţ	ي المراجعي	ר			-1	
				KEEWAT	TIN ENG	(INI	EER	INC	G II	NC.									a. A		
					SOIL SA	ΜΡL	.ES						•••	PA		lita	UKLI	16-			
	Project:	WEST	prise 14					F	เอร บ	lts P	lotte	d By	:		<u>, , , </u>	0011	104		211		
	Area (Grid):		Contau S	implining at 4500				N	Vob:					<u> </u>	. T.S .	:	104	<u>n / (</u>	SW		·
	Collectors:	<u></u>	Yatti Ma	NKIING Drug O'BO	ian			C	Date			<u> </u>	July	20	91				, 		
ſ	T	Samala 1.0	cation			Tor	00100	ohy			Ve	9=101	lion					Soli	D	oto	
	, i	Somple Lu			Ļ									r							
	Sample			Notes		ottom	l slope		round	Wooded	Wooded			P		S ampl ed	Horizon	Horlzon	ment	Material	
	Number	Elevation		• •	•	ley B	ction o	Top		VIY	ursely	to t	99ed	os s lo n	ompy	rlron [.]	L to Se to	ođ	o r	r r drock	lour
		Line	Station			Vol	ž	Ē	Ľ.	P.	Ş	8	٤	Š	s,	£	ä	ő	å	5 6	ပီ
TIPNI	10000	4500	01.001	20 A.F/20 FANOL/15048 / 2006	in 1 ASSIL		W			V				\checkmark		B	30		\triangleleft	<u>:</u> []	LB
	10015	4510	cLood	4001al 205000 120 51N / 100	Idin	i	5			\checkmark		·		\checkmark		B	35		4	$\dashv \leq$	143
	3000	. 4510	CL003	30001 30 savel/10A.F/3	ostat_		5			$-\mathcal{A}$				~		B	40		4		THE
	400m:	4490	C4004		N		5						<u>:</u> :	V		<u>b</u>	40		4		TOP
	500 m	44 90	1005	100g/ 40sult/ 20sound/ 201	E/ Oclay		NE				·	·				<u>μ</u> β	45		-	-+-	100
	_600 m	4500	1 (1006	10014/40 ching 20 5000/ 3	o sat O		NE	· · · ·								10	40	\leq		-+	748
	700 m.	19500	1007		100-1		125			$+ \cdot \cdot$				5	1	12-	40	_	7	-+	162
	800m	400-	CL 008	25 010/ 30-10+ / 10 A.	Ff 25 Some		121							ľ	┨────	P R	200			-+-	-the
	<u>900m</u>	4500	1009	20 org/ 10 ch. 1 90 sind/10 A.F.	120 x11		+>		}					1.	╂───	1 A	20		5	-1-	- HR
	1:000	4520-	CL0010	20 sond / 40 clay 100g			12			$+ \times$	╁───┤		·	17	╀──	12	20			-+>	The
	1100 m	19500	10000	bockey as sitt & meta	mano.				t	1.7	1			レン	1	A	30				- HR
	1200m	4550	1010012	110 million A DI Imain	120clas		1.5			$\pm \overline{2}$	1			1.1	4	B	30		1		- HB
	1500 00	4300	1010014	60 EANIEL 20 A E 1 2051	11 TAGE	·	5		1	1.	-	Au	5	tho	2	B	25		\square		-LB
	1500 m	4500	210015		TRUKS		5	· .				hou	15	500	2	'B	30	ŀ	/		-LB
511-21191	1 HOOM	4500	CLOOID	Zocan 140 clay 1 15 sound /15	5 sitt		5				\mathbf{Z}					B	25	1		-	118
Judala	1700m	4520	CL0017	Daran 120 schol/20 day 105	314		5				1.2	1		1	<u> </u>	B	20	ļ	$ \leq$		- 1 que
:	1 Soom	4300	C40018	60 yran 1 30 clar, 1 400	ia	<u> </u>	W	<u> </u>	<u> </u>	_	12	<u> </u>	_	1	.[B	30	_	\square		<u> 168</u>
	1900m	4520	CL0019	30A.F/40 sand/ 20silt/	1000-		W	<u> </u>			$\downarrow \angle$		 			<u> </u> B	25		_		The
	2000m	4520	10000	5 Jong 1 40 cpan 1 30 clay 1	25ATE.		150	<u> </u>			$\downarrow \leq$	┫───	- 		+	1.6	120	\downarrow	+		1
	2.00m	4540	CL0021		<u></u>		150				$+\!$			+		10	13	15			- HB
	2200m	4500	CL0022	40 day 20 selt /100g / 15A. 1	F/iTgran.		-1 <u>5</u> N		+		+	/			+	+2	12	15	╂╼┤		710
	2300m	4540	10023.	Jocky / 30 Silt / 20 Sand /	DOA.E	+	34	╂	+		+>	┨──	+			12	170	ち	1		
	-2400m	4540	CL0024	1 20CH A SO SHIT / 10 00/ /	S 2000/17A	- 1		+	+		17	1	+-	+		18	大家	1>		-12	
	- 2500m	43,40	1 CLOOPES	Un any the stand I in the way	5. C. L./		13	1	+		ゥ	1.		+		C	- 25	1>	-	-+-	THR
	- accom	4500	Cuodo 1	and F 2000 and an event	lacivit land		15	·			ヤン	+		1	-	B	25	17	1		THP
	2 Scom	· 4500	CLAD 28	1. 30 Ciuy 1 30 51/1/20 500	1/100% 110A	d	3				17			<u> </u>		B	30	/	·	-	THE
	2900m	4530	CL0029		11.11]3	. .			1/						5123		1/		- ne

			KEEWA		SINE	EER	INC	g IN	۹C.				ۍ								
Project:	West	pride	147	SUL SF		E3	R	lesul	ts P	lotte	d By	/:	VAI	TI	ω	ANK	CIN	íG-			
Area (Grid):		Contour	Samplinia at 4500				N	lap:					N	. T. S.	:	041	<u>+/(</u>	<u>3w</u>			
Collectors:	<u> </u>	itti Nanik	ling / Dave O'Brian				C)ate					λu	سمک	1/9	<u> </u>	Car	F			
	Somple Lo	ocation			Тор	ogra	քћу			Ve	geta	tion	0	7			Soli	1	Dolo	1	
Somple			Notes		ottom	of slope		round .	Wooded	D •booW			P		Sompled	Horizon	Horlzon	Derelop - ment	Parent	Material	
Number 91 PW 1475	Elevator Line	Station	· .	•	Valley B	Chrection o	HIII TOP	Level G	Heovily	Sparsely	Burnt	لامعود	Grosslan	Swampy	Horlzon	Depth to Somi	G ood	·Poor	Orite	.Bedrock	Calour
3000m	454D	CLOUZO			<u>52</u>										B	30		4		4	HE
30com	4540	CL0031			52					\leq		!			D R	25	8	3		\exists	HE HE
3200m	. 4500	(10022			19					ン		: :			B	25		1	ł	7	HR
<u>3500m:</u>	4500	(10034)	· · · · · · · · · · · · · · · · · · ·		5					\geq					Ă	30		1		\geq	HR
3500	4490	CL00 35		·	٤					\mathbf{Z}	·				B	40		\square		\triangleleft	HP
_3600m	4500	CLOO36	-TALUS SLE	RE	·		·								0	12			\vdash		
3700 M	4000	CL0037	·	- <u>.</u> .	INE					4			·	┨	10	3	┟╌╍╸	$ \ge$	├ ──┩		20
3800m	4570	<u>CC038</u>			INE					<u> /</u>				╂	10	12	┼──	<u> </u>	┟───┤		1110
							·					<u> </u>		 	+	+	+	t	[]		
	1			:		1					•		<u> </u>								
										· ·			·	_	<u> </u>	1		<u> </u>	<u> </u>		
		· ·	3	••	<u> ·</u>	_	<u> </u>	 		 	 	 	 	<u> </u>	₋		<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u> -
				: <u></u>		<u> </u>	ļ	 	<u> </u>				<u> </u>		<u> </u>		–−	╉┷┯			<u> </u>
	·			······	+	╂───	┨────								+		╂───	+	┼──	\vdash	+
			······		+	+				 . 		+		+	+		+	+	+	[+
				•	+	-{	1	 	1	1	1		1	1	+		1-	+	+	+	†
							·													\square	
															· ·		\perp				
						·		<u> </u>		<u> </u>	1	.l	<u> </u>	_			<u> </u>	\downarrow	<u> </u>	_	<u> </u>
ļ		· · · · · · · · · · · · · · · · · · ·	•			- <u> </u>		<u> </u>		 	_						- -	+			<u> </u>
		<u>_</u>		·····			+					+	+	+			+	+	+	+	
				<u>-</u>	+	+	+	+	+	<u>+</u>	+	+	+	+		+-	+	+-	+	+	+
			1			+		+	+-	+	+	· †	1-	+		-†		+	+	+	+
	·	• •	1	······································									·					T	I		\Box
													1	}				1		1	1

Projoci: Area (Grid):	- Wes	A pude Contour	KEEWA Sampling at 4500	TIN ENG SOIL SA	INE MPLI	ERII	NG Resi Mop	INC. 115 Plo :	otted	By:	. <u>Р</u> N	.T.S.	WAN :	UKLIA 1041 91	UG:- <u>4/13</u>	sw		
Collectors	<u> </u>	TUCANE	ING CIGO, JY.	T	Тор	ograph	<u>у</u>		Vege	10110	<u> </u>	4			Soll	Do	ιọ	h
Somple Number MIS 100 M 200 M 300 M 400 M	Elevation Line 4480 4480 4500	Station CLOO39 CLOO40 CLOO41 CLOO43	Notes 30 A. F/ 40 gav / 100g. / 35 A. F/200g / 3850 10 506 / 20 0g / 20 A. 10 At= 15051 M / 30 gav.	20.514 6/1 5 514 =1 109901- /10901-	Valley Bottom	22 22 22 Of rection of slope	Level Ground	A HEOVILY WOODED	Sporsely Wooded	Logged	Grassland	Swompy	ADD D D Horleon Sompled	W & & W Depth to Horlzon	V Good Horlzon	N Poor ment	V V V A A Badrock Molerial	
500 m 600 m 200 m 300 m 1000 m 1000 m 1100 m 1200 m	4530 4540 4580 4580 4580 4580 4580 4580	CL0044 CL0045 CL0045 CL0047 CL0047 CL0047 CL0047 CL0047 CL0047	2000, / 20 A. E/ 40500 5A. E/ 4051H/ 2000, / DOG. / IDA. E/ 6051H/ 11 11 1000, / 10A. E/ 4051H/20 7051H/ 1000, / June 2000, / 60H E/ 10 30 A. E/ JOSHH/20	d/ 20 clay 15clay/100 15clay/100 15 15 15 15 15 15 15 10 15 10 10 10 10 10 10 10 10 10 10 10 10 10	4			11111111					Den al en	URB R B B B				
1400m 1400m 1500m 1600m	4540	C/0052 C/0053 C/0054	60-1100./ 10000./31 2000./10clus /90 405111/20010/205	SIH SULT/20500C Wol/10A.E		E E			· · · · · · · · · · · · · · · · · · ·									
	· · · · · · · · · · · · · · · · · · ·	·	-		·			· .										

• .

1	Ч.	I	1	n }	ļ	2	١	1	 ļ]]	-	 ل
		к	(EEW	ATIN E	ENGIN	EERIN	IG ÎN	C.				a.

	Somple Lo	cation		To	pogr	aphy			V	egeta	itlan					Sol	١	Dato	J	
Somple Number	Line	Station	Notes %	Valley Bottom	Orrection of slope	Hili Top	Level Ground	Heavily Wooded	Sparsely Wooded	Burnt	Logged	Grassland	Swompy	Horlzon Sampled	Depth to Horizon Somple	Good Horlzon	Poor Develop -	Drlft Parent	Bedrock Material	
716R1475	5000	01	20 Gravel 20 Send 50 Silt 10 Cky				1					1		ß	-70				1	Ľ
111561475	5000	02	35 Sand 50 Silt 10(ky 5017			<u> </u>	1	 		·		/		ß	50		 	 		Ļ
1/ bR 1475	. 5000	03	40 Sand 50 Sit 10 Clay				ĻΖ.		 					1-B	10	 	┟──┤	⊢		ł
<u>11 BR 1475.</u>	5000	64	20 Savid 70 Sift To Clay			<u> </u>	14	┨────	┠			1	<u> </u>	18	40	 	┟──┤	<u> </u>		ł
116K1475	5000		10 11 aver 40 Sano 50 Silt				1			[17		18	90	<u> </u>	ł	}	—	ł
TIBRITY	5000	06	20 Jacob 10051 H 200 Ry				17	+	┼───			17	<u> </u>	18	70	<u> </u>	╂┯╼┥			ł
MOK1415	500	07	(A S. a. [2. C.]+ 10 (lay				17		1			17		17	45	<u> </u>	+'	 	<u> </u>	t
<u>1160 1175</u>	5000	<u> </u>	En Cal Justi in Clavi				17			 		17	<u>├</u> ───	12	35	 	<u>+</u>			t
MOK 1475	Enn	10	TAC I VISCH IN CLOUD		1-		17	-{		+		17	<u>{</u> −−−	1 B	30		+			t
TIDNITIS TIRCINIS	500		2) Sand 705/11 10 Clay		1	+	17		1	1	<u> </u>	17	1	† Ř	40	<u> </u>	1		1	1
MIDK1412	5000	12	10 Groupel 30 Sand 50 Silt 10 Ch	:0		1	17	1.	1	1.		11	1	TB	40	<u> </u>	1		17	1
11621475	500	13	ASand 50 Silt 10 Cley 10018	<u>-</u>	- <u>[</u>		17		1	1		17	1	R I	50	†	1	1	17	7
91 BR 1475	5000	14	20 (snave) 20 Sand 405. 1+ 20 Clay	· ·	1		11	1 .	1	1	1	1	1	TB	30				1	1
9, KE 1475	5000	15	20 Gravel 20 Sand 30 Silt 20 Clay 10 crs			1	11					1		B	40	ŀ	Τ		1	7
41 6R 1475	5000	16	Inbravel 10 Sand 70 Silt 10 Clay.				17					1		B	30		1	1	1	1
71 GR H75	5000	17	20 Gravel 20 Sand 40 Silt 10 Chy 10013	.,			17					1		B	75				1	
91 BR 1475	5000	18	30 Gravel 10 Send 50 Silt 10 Clay				17		ŀ			P		É	40			Ι.		
11BR 1475	5000	19	Deravel 20 Sound 40 Sitt 20 Clay.				1/					1		B	70				1	
91 BR 1475	5000	20	10 Grove (50 Sand 40 Silt				/					1		Ľ	60				Z	
41BR 1475	5000	21	206moll 20 Sand 50 Silt 10 Clay		<u> </u>		11	_						Ľß	50				1	
YIBR MTS	5000	22	20 Gravel 25 Sand HOSilt 10 Clay 500	8	ŀ	_	/					1		Lß	30				1	_
91BR/475	5000	23	10 Gravel 30 Send 505ilt 10 Clay			_	1	_		1		/		<u> </u>	40	ـــــ	Ļ	∔		-
<u>JIBR1475</u>	5060	24	10 Gravel 20 Sand 60 Bilt 10 CIRY	·		_	11				_	11		ļĶ	<u> </u>	–	—	<u> </u>	$\downarrow \downarrow$	
116R/475	5000	25	106-rubel 20 Sand TOS.IT		_ _		<u> </u>					1/		15	<u> </u>				<u>+ ′</u>	-
1BRM75	SCOL	26	206 ravel 30 Sand 50 Sitt 10Ch	<u>y</u>		_	\perp					1/		ΤR	40	–		<u> </u>	1	-

ļ	Ì	1	·]	1.00	 -	···· }	·	1	 .	, .		·
				KEEW	ENGIN	EERII	NG IN	C.				

	Somple Lo	. [Duie				~ ~ ~	~ ~						
		cation		To	pogre	ophy			V	geta	llon	-0-				Sol	1	Dol
Somple Number 91 0/147.5	Election Line	Station	Notes Crapmic/Grav/Swich/wilty elay	/alley Bottom	Xrection of slope	fili Top	Level Ground	leavily Wooded	Sparsely Wooded	Burnt	Logged	Grassland	Swompy .	Harlzon' Sampled	Somple	Good Horlzon	Poor Develop -	Drift Parent
	4500	01	10/10/30/40/10		E			~	~			~		8	20	V.		
	4515	62	10/20/30/40/10		52					·				B	25			
	. 4500	03	15/30/30/25/0		3	l			/			/		B	"			
	4400		N/S TAUSSlope				ļ											
	4420		NS		<u> </u>			<u> </u>	Ļ					<u> </u>		L		·
	4440		N/5			 	ļ	ļ					 		<u> </u>	 		
	4510	09	10/25/25/30/10		500		ļ					1	ļ	6	30	$\downarrow V$	<u> </u>	
	45.20	05	11		500		 	┨────						18	130	14	4	
	9980	<u> </u>	20/20/20/20/10		150	 	 	 			 	\vdash	 	15	20	Ľ	┢──	
	4440	0/	20/25/30/25/5		<u>us</u>		I	 	14		 		}	18	25	Ľ	<u> </u>	┣
	77.80		10120130120120		150				łÝ	 		4	 	18	120	14	╉───	╂───
	946C	01	20/20/20/ 30/10		500			<u> </u>	1-	<u> </u>			╂───	10	122	1-	╇	┣
	4440				1.50	1	<u> </u>		-			14			120	۲Ľ	,╂──	<u> </u>
	7930		10/20/20/20		12	1			+			1		10	120	łł	╂	╂──
	1480	- 012	10/20/20/20/20		1-24	1		i					<u> </u>	12	12	+	4	╂—
	- 1XO	- <u>00</u>	10/15/25/20/10		12				+					18	120	+7	+	╂──
	441		26/15/25/26/10			+	+		1.7		+	1		12	27	+-	1.7	╉──
	7760	olt.	20/20/20/20/10		13	+			+⁄-	╂───		1	+	12	120		Hr.	i —
	4470	7	20/10/20/40/10		Τž				+7			17	1	1 m	120	1	セ	╉───
	448	- di	11		T II	1	+		17	1	<u> </u>	17	1	1 B	125		ナ	+
	4500	019	Hotalsolo		┼╩╴	+			17	╂───		17	1		25	<u>1-×</u>	+	·
	4340	· 020			4	1		+	17	·		1/			20	\$ 7	᠇ᠯ᠆ᢆᡔ	+
	1-12/0-						1				<u>†</u>	<u> </u>	-		1	Ť	+	+
	1				1	1	1	1	1	1	1		1	1		1	1	+
						1	1	+	1	1	1		1	1		1	+	+

t.

Declast	11)*	Andal	147	SOIL SA	AMPI	LES		~				•	•	•	•	•					
		Cartonaia	at 500					Kesu	115	P1011	ea B	y:		. ~ ~		<u> </u>	· · · ·				
Area (Gria)			J- (Deni C					Mab					N	1.1.5.	· •				<u> </u>	_	
Collectors	:Y	att Uland	une DON C.			_		Date	·				Au	$\alpha 3$	191						
	Somple Lo	cation	0		To	pogr	ophy			V	egeta	ottan		2,			Sol	1	Dote	2	
Sample Number	Annaburg		Notes		ty Bottom	lon of slope	Тор	al Ground .	Ily Wooded	sely Wooded	t	led	sland	mpy	:on' Sampled	to Horlzon Somple	d Horlzon	Develop - menl	Parent	ock Material	
91021475	Line	Station			Vaile	Arect	ШН	Levi	4 a v	Spor	Burr	500J	Gras	Swo	Horl	0ept	G 00	P 0.0	- I - O	Bedr	0 0 0
	5000	021	0/20/40/30/0				/								B	20			┟───╂	\rightarrow	14
	5010	022	()				/				·				8	30	1	<u> </u>		7	ne v
	. 5060	023	10/30/30/30/0				/	1		1					3	20	/			4	1
	5040	024	0 11							1-		: :			8	N	/	<u> </u>		1	08
	त्रक	625	10/20/30/30/10				/	1		//	F				8	25	/	1	· - 1		HB
	"	026	10/30/30/20/10				1	/		·/					B	20	1				11
	11	027	130 1.40 120/10		<u> </u>		1	/		1					B	25	/				"
•	11	028	10/20/ 30/32/10				1	1		-					B	20	1			1	11
	11	029					-	1		<u> </u>					B	1	/				1
	18 .	630	19 20/40/20/10				1	1		-	·				B	25	1			7	11
	5040	031	10/30/30/20/10				1-	1		1-		·			B	20	1				1
	49801	632	<u> </u>			Ŀ	\leq	/	ŀ	1/	ŀ				6	25	1			$\overline{}$	10
	_498C	033	(:	1/	1		-			·		B	20	/	Ţ.		$\overline{7}$	HE
	3000	034	: 10/30/40/20/0	••	l'		\leq	1/	<u> </u>	//					8	30	. /			$\boldsymbol{\Sigma}$	11
	49%	035	20/20/20/20/20				1	/		1			ł		B	25	17			$\overline{\Gamma}$	11
	4940	036	10/32/40/20/10					14							B	20	1			17	17
	4400	037	10/20/20/20/10				/	/		/					B	25				∇	π
			NYS				·			·									Γ.		
L	"	·	N/5	·····																	
ļ	4900 _	038	10/20/40/20/10		1	1	/	/		1/					B	25				7	HB
	49.80	<u> </u>	NB			Ŀ						1			·						1
	5000	039	30/20/20/20/20			ŀ		/	_	1.					B	25	/	\square		7	HB
<u> </u>	7.00	040	30/10/20/40/0				1	1							B	11		1/	1	\Box	10B
	11			······································		1															
	4480	041	<u> </u>		2	-	<u>-</u> -	+ -		12	<u> </u>				B	<u> ``</u>	\vdash			\mathbf{Z}	MB
·		1						1	1	1	1	·	<u> </u>	1	1			1	1		
			· · · · · · · · · · · · · · · · · · ·			+	+		+	+	+			+				+	+	┼──	+

Area (Gri	l):	Nestpride	<u> </u>	SOIL SA	AMP	LES		Resu Majo:	ults {	Plotte	ed B	У: —	N	1771 .T.S	<u> </u>	MANKL 104H	<u>ING</u> /131	 W
Collector	<u>'s:</u>	atter W E	sanit N				•	Date	:		A	<u>يع، ا</u>	19					-X
	Somple Lo	cation			Τŗ	pogra	ophy			Ve	geta	illon	•			5	6011	D
Somple Number 919441-97:5	Eleoction	Station	Notes		Valley Bottom	Orection of slope	HIII Top	Level Ground	Heavily Wooded	Sparsely Wooded	Burnt	Logged	Grossland	Swompy	Horleon' Sampled	Depth to Horlzon Somple	Good KA AUTLUN	POOL MEN!
	5600	5100	0/40/40/20/0				•	$\overline{\mathcal{V}}$			• • •		\overline{V}		121	⊢ +∕		+
	//	5101	11			E					•		~		10		*-	+
•	. //	5102	0/20/36/40/10									•	. 7		6		77-	+
	: //	5/03	10/30/40/20/0			. .						: :	~		10		7 	+
	11	5104	. 11			".			<u> </u>				U		$\frac{1}{n}$	├		╶┼
	11	5105	10/20/30/20/0			11,	· .			•			~~		1,	<u> </u>	<i>π</i> ++-	+
	. 11	5/06	10/20160/10/0		ŀ	11.			1						1 N		\overline{n}	+
	1	5107	10/25/30/35/6 .	•	t	1.					<u> </u>		1		1 N	<u>├</u> ──┼─	11-	+
	4	5108	10/20/30/40/0		-	11			1	· .					1 N		7 -	+
	/1	5109	10/10/30/50/0			11		<u></u>	1		·		6		12	<u>├</u> {-		-+
	11	SIIO	10/20/30/40%	·.		R		 	<u> </u>			· · · ·	V		1-11	<u>†</u> <u>†</u> -		+
	5580	SILL	N/S TALUS	:		. 0		1	1.				<u> </u>		+			-†
	5520	Sila	5/20/50/25/0			- 11				·		<u> </u>	1.2	1	11		71	-+
	5420	SI13	: 0/40/50/10/0	DILKS -	ŀ	11	1	1	1.				1		1	+		-+
	5380	514	10/20/40/30/0			1º	· ·	1	1.	1		1	~	1	1.11	1-1-		-+
	5330	5115	30/0/20/2010	•			1	V					17	1	16	++	51	
	5280	SIL	5/35/40/25/0	·		T	1	1					V		TP		6	\neg
	5330	SIN	Idelie/20/10				1	V		ŀ		1	1	1	1 G	+	ĂT	-
	5250	5118	10/ 5/20/65/0				1						10		1		8	\neg
	11	Sil9	20/5/20/55/0			T		6					1		11			
	5240	SIZO	2015/15/60/0		T	· ·		10	1				17	1	• 11	++		-
	5220	5121 -	5120 40 3510	TALUS	1	ŀ	1	10	1	1.		1	+	<u>† </u>	P	++	π^+	-+
	5,200	· 5122 .	5/15/26/30/0		1	1.	1	12	1		1	†	17	†──	10	+ +	At	-+
	. <u>i</u> l	5123	10/5/20/65/0			F	1		1	1	1	1	1.7	1	+ 1	++	A	
		5124	40/0/20/10/0					1-	1	1.	1	1	1 .	1	11	+-+	\overline{n}	
	Sito	51,25	20/5/20/55.00						1	1	1.	1	1		11	1-1	\overline{n}	
<u> </u>	5100	Siab	10/10/40/0				·	1	*	1	1	·†	L.	1	1-17-	+-+	77	
<u> </u>	. 20.80	5121 .	10/0/201700				Ì	10		1	1	1	レ	1	6	.††-	B	,
V	<u></u>	548	20/0/0/80/0				1	1-	1	1	1	1	1		15	++	* +	

......

					U IIN V V DI			6 1	NC.						•	• •					
Project:	10	<u>estpride</u>	14/	3012 37	AMEL	3	F	Rasu	lts F	Plotte	d B	y:		Y AT	71	Wr	TNK	LIN	16-		
Area (Grid)	:	<u> </u>					1	Map					N	. T .S.	:	041	<u> 1/13</u>	;w			
Collectors	·	Patti W	Grant N				. 1	Date	<u></u>		_ <u>A</u>	<u>sa</u>	119	L							
	Somple La	cation			٣o	pogra	phy			Ve	geto	1100					Soli	1	Datç)	<u> </u>
Somple Number			Notes		Boltom	on of slope	· •	Ground .	y Wooded	iy Wooded		τ	land	. Yq	n' Sampled	to Horlzon omple	Horlzon	Derelop - menl	Parent	k Moterlal	
91011147C	Eleventron Line	Station			(ا اه	Xrecllo	Ē	Levil	١٠٥١١	Sport	Burn	٢٥ 996	Gross	Swom	Horleo	Oepih S	0 o o d	Poor	110	Bedroo	Colour
	4980 4980	5129 5130	20/20/40/2010			E E					•		4		A	20		3		Ż	KE
¥	· 4916 4840	5131 5132	20/5/25/50/n 30/n/30/in/0			म म				/		•	.7		BA	<u>35</u> 35	~			2	RE
																		·			
·		· · · · · · · · · · · · · · · · · · ·			[
	· · · · · · · · · · · · · · · · · · ·			<u></u>							•										F
·						 			 		•		 					 			E
			:	••		<u> </u>	· .		· ·						 		÷				Ē
				•		+											\vdash				F
										·			· ·					—		 	F
						<u>.</u>									•			\square			F
					-	<u> </u>		.		·		<u> </u>									E
·				······		<u> </u> .			<u> </u>	ŀ					<u> </u>	+	╞	╞		<u> </u>	F
·	•	·			+		·			+		·	.	+			<u> </u>			<u> </u>	F
					1	+	+	1	1-	1	1	+	<u>† </u>	+	1	+	†	+		<u> </u>	\vdash

I	 }	1	'l	1	.	J J	···· ŋ	19		Ĵ.	n i	, J	1]	
					KEEWAT	IN EN	SINEER	ING	INC						

Projeci:	[47	7 - WEST PB	NDE SOIL S	SAMPI	LES		Resu	ults I	Plott	ed B	y:	Ch	MET	eoni	TH	MR	501	<u>ز</u>		
Area (Grid)	:_cer1	JOUL_	· · · · · · · · · · · · · · · · · · ·				Mop	:				N	I.T.S.	.:	041	<u> 1/1</u> .	<u>3u</u>)		•
Collectors	. /	AM THOM	Asour				Date		A	1G	199	1								
	Sample	Location		Тта		. <u>.</u>	Uuit		<u></u>							5.01				÷
			· · ·		poyi	1 1					1]				, 	
Sample Number	Line	Station	Notes	Valley Bottom	Orection of slope	HIII Top	Level Ground	Heavily Wooded	Sporsely Wooded	Burnt	لمعوده	Grossland	Swompy .	Horlzon' Sompled	Depih to Horizon Somple	Good Horlzon	Poor Develop -	Drift Parent	Bedrock Moterial	Calour
910-14-2		Soci	15 cm. CORSE FRAGS		11	 		<u> </u>				17		R	1	7		$\overline{\cdot}$	$\overline{\mathbf{x}}$	6
		5002	ALSIZED " II	1.	ĨŇ		17	1	h	•		5		R	16.	Ž		r t	-79	20
		5003	1 cm 11 4			1	17					1.1		e	8				7	
		5004	1-5 cm " "		N		I.J.				: :	17		R	8	17			7	3-5 144
		5005	1-10 cm 11 11	15°		4	·			F		./		NB	IG		V	F	$\overline{\mathcal{T}}$	144
		Seac	1-3 cm " " Exposed	_	\mathbb{N}		$\Box Z$		·	· ·		Z		ß	là					MA
		5007	1-4 cm 11. 11	·	11		V		<u> </u>					I.B.	20		\Box		1	
• •	<u> </u>	Soos	1-2 cm 11 11 exposed		\square				Ŀ				1	IB_	0				i/	-
		<u>kæg</u>	OF IN I		1a	Δ	<u>Li/</u>			1			1	R	lis		LŽ		$\overline{\mathcal{V}}$	n
		sae	San u h		IN	/	FJ.					U		R	10		ΙZ		17	ũ
		5011	1-7 cm 4 11		A	/					Ŀ			B	120	×	V		V	N
		Sela	6-5 cm " " :		Ň		V	<u> </u>		ŀ.				1Å/E	مدالا		k.		1	Ň
		5013	1-2an 1 11	·	<u> N</u>		LV	<u></u>	<u> </u>			ĽZ		<u>IB</u>	100		1.	/	~	Ĺ
		5014	1: cm n n	·· ··	\mathbb{N}		\bot	<u> </u>				Li	1	B	15		1			Ô
		505	1-5 Em " "			<u>) (* -</u>	V		·			V	1	·R	15	ľV			Z	M
		Salc	- 10 cm 11 11		N		V					V		R	8		$\Box 7$			M
L		5017	j-San n "	_15°	Ŵ			<u> </u>				\mathbf{L}		A/B	3130			X		-
	· · · · ·	Saia	San " "		ln	!	1		ŀ					<u>A</u> /£	2/20		Ŭ	1.		Δ
		5019	0 11 11		IN	/			·			V.		ß	26		V	1	∇	K
		500	5-1 cm 11, 11		N			/				V		B	2	>		I	V	N
		5021	0 4 *		S			/				V		ŀŘ	کدا			X		N
	· · ·	5-22	ALLSBED U H		N				<u> </u>				X	Ŕ	25			X	V	Ń
		5023	USIZED II II	_	lin	1	V		<u>\</u>			V	1	<u>IR</u>	190			1	∇	D
<u>·</u>		5024	5-30 cm " "	·	N.	u		4	1			11		B	120	11			ЬZ	Δ
		రంపెక	<u> </u>	_	K	4	V	1	ŀ			12	7	B	120		<u>'</u>		1	A
		SOR	15-10 cm 1 4	10	S.							LU	'	B	15	V			V	0
		<u> </u>	[1-2 an 11]]	10	- N	4					·	12		R	00	J	Ι.		V	41
	_ `	Sage .	1:1-5 an 1 11	^e		\square						12		8	125		L	1		I
L		5027	It dans II U	5	ไม	/		1				10		IR	N		1	1	17	M

ς.

•.

Project:	14:	7 WEST P	RIDE	KE	EWA	TIN EN SOIL S	GIN ampi	EEF _es	RIN	G I Rosu	NC. 113 F	Plott	ed B	 у:	C	AM	ERO	N	TH LH	<u>Dalf</u> /12	<u>son</u>		
Area (Grid):	$\frac{1}{6}$. X air		<u>.</u>				1	Map:		Au	61	991	N	.1.S.	:	10-	<u>r (/</u>	<u>/3</u>		<u> </u>	
Collectors	Somple L	ocotion	M 30				To	pogra	. I Iphy			V	ege ta	1100					Sol	1	Datç	 ,	
Sample			Note	5		·	sot i om	of slope		round .	Wooded	Wooded			p		Sompled	Harlzon ple	Horlzon	Derelop - menl	Parent	Material	
Number	Line	Station		•	<u></u>	•	Voiley 1	Okrection	HIII TOP	Levil (Heovily	Sparsely	Burnt	Logged	Grossla	S×0mp)	Horlson	Depth to Som	G ood	.Poor	orlt	.Bedrock	Colour
9107,47-	-	50.50 50.31	1-3 cm Ce 1-5 cm	NESE ((RAGS "	·	2°	W V		J			•		4		B	5		Y		$\frac{}{}$	MP NO
	·	5032	5-10 an	<u>-12</u>	<u> 11</u> <u>1</u>		5	N N						: :			AVB	15	<u> </u>	ĽŹ		V	1/B
·····		5034	2-5 cm		<u> </u>		42-	S W		_√.		·	[B	15					304
		<u>5037</u> 5037	1-10 cm	11 11	 		80										A/B	10	<u> </u>	赵		¥	
· · · · · · · · · · · · · · · · · · ·													·						F	 _			
· · · · · · · · · · · · · · · · · · ·						÷					•		·		•				\square	<u> </u>			F
			3			•	· ·		 . .										<u> </u>	+			Ē
			· · · · · · · · · · · · · · · · · · ·							<u> </u>	<u> </u>	<u> </u>		+	<u> </u>			+	<u> </u>		<u> </u>		┢
													1			<u> </u>			<u> </u>	╞	┟╍	╞─	╞
									 		+			-	+		<u> </u>	+	+	+-	<u>†</u>	<u> </u>	╞
	· · ·	•	•				•	· ·	1		1							\square	+	+-		F	ŧ
	-							· ·				÷								<u> </u>		ŀ	F
	- <u> </u>		•						-		-		-	·				1-	+	+	<u>↓</u>	F	F

•

KEEWATIN ENGINEERING INC. SOIL SAMPLES Results Plotted By: PATTI WANKLING Project: Westparte 147 N.T.S. : 104 H/13W Contour Sampling at 5000 Mop: _ Area (Grid): ____ Patti Wankling 1 Date . Collectors: _ Vegetation Soll Somple Location Topography Dala Horlzon Depth to Horlzon Somple Derelop -meni Material slope Wooded S ompled Parent Wooded Ground Bottom Somple Noles ļ Grassland Top Number Sporsely Swampy Horleon Bedrock Orecilon Heovily لاهوم Levil Colour Vailey Burnt Elevation Good Orli Poor 9100.1405 HIH Line Station 35 NE 90 50A.F/30 00, 120, 50,00 5020 CLOOL 100m 25 30 anul 155 A.F. 15 Sitt EN A MB clood Sobr 200m A 30 40 dig. 1 30 A. F. 1 loginui / 20 sitt CL003 The second 504 300m 35 CL004 A 50% 400m 30 B Me CLOSS 30 A.F.1 10 010. 140 gav 1205214 500 Scom 3Ŝ 13 51+/30 Samol Δ 5015 CLOOD 40 019. 600m OB KB Marg / HOESH / 20 Chu, 1 15 CARN. / KA = B 30 3010 CL007 200m 40 cm 1 1000, 1105+4 5 B 20 CL008 40 A.F. Soom SUL 3 A Floosand to set 30 ES REE 40000.j в 61009 4980 900M 35 11 в 010010 498 1000m 30 3051)+/ 30clau 120A. F 5 B CLOCH 5.00 2000 lim නී 30 selt / 30 cbi /15A. Flitsad N CLOOIZ В 10000 500 12000 40 A.F/ 30 grav /1000 10 3/4/10 da 4050ml/20A.F/ 30 5/14/10 erg B 23 N CLOB 1300m SOM. B 30 5040 CLOO141400 m B 25 HR 10019, 12051H/40A. E/30 5010 CL0015 5050 1300m HB 30 A. = 120001 /2014 120 clay 100 / В 30 CL0016 1600m SOM 40019. 120A.F/ 3050mol/ 10 Sitt A 20 CLOON MOON 5000 N/S TAULS N 1800m SOM 610018 B 25 MR 205114140A.F13050001 1000 N 1900m SOD C10019 3000 / 40 A.F/20 Sand/10 SIH 25 HR A 200m 494 CLON20 30 ne N 30517/20 day /1000 /20 A.F. besond в 4960 CLODAL 2100 m N/SO TAUX CLOOZZ 2200 M Scan 5688 2000 / 305 and (2050) / 30A.F. 3 30 CL0023 / 5000 2300M 23 / 2400 M A CL0024 500 130 A.P(20 00 /2054 35 2500 m Sala CL0025 35 B CL0026 2600m 5000 20 clay | 305/H/ 1000 | 25 sind/ 15A# 60 cup! / 2051/H/10 H.E. / 10 sand 60 grav / 157A-E/ 1000 / 1551 H D DP 2700M Som CL0027 MP 840033 N 2800m SUCC 4960 CLOOX 2900m

}

a 1944 (M

Project:	Wes	Apride 14	7	SOIL S	АМР	LES		Resu	ults I	- Plott	ed B	y:	· F	ATT	7 l	VAN	KL I	NG	-		
Area (Grid)	:(Contou ?	ampling at 500					Map	:				N	I.T.S.	: _/{)41	1/13	sω			
Collectors	:	Katti Na	nkling					Date				uly	23	191							
	Somple Lo	cation			To	pogre	phy			v	egeta	otton					Soi	1	Dat		
Somple Number	·		Notes		Bottom	of slope	đ	Ground	Wooded	y Wooded			bnd	٨	. Sampled	o Horizon npie	Horlzon	Develop - ment	Parent	Material	
9100.1475	Elevation	Station	•••		Valley	Direction	HIII To	Level	Heavily	Sporsel	Burnt	Logged	Grassle	Swomp	Horleon	Depth 1 Sar	G ood	Poor	Orite	Bedrock	Colour
3000M	5000	CL0030				2									в	35		\geq		ブ	MR
300m	5000	CL0051	NIS IAUS								· .		•		<u> </u>			L.			-
2200 00	498	CL0032				NW						· · ·	\leq		A.	30		<			HP
3400 M	5000	16034	· · · · · · · · · · · · · · · · · · ·												A-	35		\leq	<u> </u>]		LB
3500 m	5060	CL0035		······	<u> </u>	NIN							/			20		⊬			L Co
																		<u> </u>			huc
·			·			· ·														·	-
					 			ļ	 	 	·				[
					<u> </u>	╂				 	 							 	 '		
	<u> </u>		······································	····		<u></u>		 	<u> </u>	 	[<u> </u>					<u> </u>	 	<u> </u>	
	1		· · ·		·	 		<u> </u>		 					<u>├・</u>	┨───		╂──	<u> </u>	┟───	<u> </u>
						<u> </u>	•		<u> </u>							 	÷	╂───	<u> </u>	 	<u></u>
									1				<u> </u>		┼──				┣───	╂	<u> </u>
										1									<u> </u>	 	<u></u> {──
										·						1			<u> </u>	<u> </u>	<u> </u>
	ļ			·	<u> </u>														†÷	<u> </u>	<u> </u>
·	<u> </u>		······································		 	. <u> </u>		ļ	ļ												
						┼┷━			ļ	<u> </u>		 	<u> </u>		Ľ	ļ					
	· · · · · · · · · · · · · · · · · · ·	·						 		<u> </u>	ļ	 			ļ	<u> </u>		<u> </u>			
·		· · · · · · · · · · · · · · · · · · ·				· · ·			·	╂───			 			┨───	 	Ļ	<u> </u>	<u> </u>	
	1		·····		+	<u> </u>		┨────		╂	 	<u> </u>		<u> </u>	 	╂───					
	1				<u> </u>	1		<u> </u>		<u> </u>	l	╂───			 			╂──	┼──	<u>├</u> ──	╂
					1	<u> </u>		 		 	<u> </u>				╂	╂			 	┣	_
	•	• •						 	1	<u> </u>	<u> </u>	†			<u> </u>	1	<u> </u>		 —	 	
	<u> </u>	l						1	1	1	1	1	1	 	1	1		+	<u>+</u>	t	

				SOIL S	IGIN amp		RUN	6 1	NU	•			· .			•	,			
rojeci:	14	7 westp	ride.					Resu	lts l	Plott	ed B	y:	N	1188	B	<u>çow</u>	<u>N</u>			
rea (Grid):	- 	·					Map	EA	UE	LK	<u>KE</u>	N	.T.S.	:	<u>04 f</u>	<u> / </u>	<u>3W</u>		
ollectors	·	ichael B	(muth)					Date					c	- Ces	00	- GA	. Auc	lai		
.0	1				T		÷							T	0		#			
	Somple L	ocotion				pogr	ο byλ			V	ege ta	illan					Soll	i (9 1 O	
				•				<u> </u>	•			T			1	- 1		1		
			contour	soil Sampting		be l	•	_	-0	9					5	2 1	IO I	8_		8
Samala]			at 4500ft	E	2		2	₽.	0			1	•	ā	らり	1.0	25		-
Somble	1		Notes			-	•	é	Nog	ŝ			-		Sor	x <u>-</u>	r,	٥٩	ĭ, ž	ž
lumber	1				60	Ê	a 0	0	1	<u>ح</u> ا		-	C O	ρχ	·e	2 E				— ×
					2	P i	-		E S	2	ē	5	1	E	107	ຂຶ້	v	2	= ²	ğ
	Line	Station			- E	ž	Ē		0	2 po	20	607	Gro	× S	ų	d. B	ŏ	ě	3]	3.0
			200 (10		1-		<u> </u>	<u> </u>	<u> </u>									┝┷╋		<u> </u>
001		00	2570 24.4	<u> </u>		1-			<u>balson</u>	<u>├</u>	•				<u> 4</u>	-20-	1	┝━╋	<u>Y</u> -	
00.2	+	100m	65765AF	A.F 164 provide	-{	╈			\square						H^{-}			┢╼╌╂╴	5+	·
<u>005</u>	- : -	10000	1006 55C - 251	Ler					+-	<u>├</u> ──		: :			╏╌┠──			┝━╋	5-	
004	·	4004	10/0HF	<u> </u>					1.				—		┼┼╌			┝╼╌┼╵	5+	
006		SCOM -	70% AF -	.44		1 W	1 .	t	Rikens	<u> </u>	<u>├</u>							<u>├</u> <u>-</u>	ァト	
007		locom	UTH A.F.	556		5	1			Flor					R	20		17	71	
008		6441	91-mB-147-L-009	8 -1.5mx 4"- 3		12-	1	1	<u> </u>	1				 						
009	-	7000	15%AF	55L j.		w	1	1	Bale			1		1	'R	20			7	•
010		400m	50% AF -	55C		15		1			1.				TT	TT	7		7	
ÐU		900m	25% AF -	550		5						1.			\square				71	
013		indous	556	:		in			1.		ŀ		<u> </u>	1	TV	TV	1		7	
014		lippm	10% AF -	556		ŀ							•.		B	20			7	
015		1200 m	: 2540AF -		••				V.							10		~		
<u>016</u>		1300 m	25%AF-	- 55C		1w	· ·		Ruls	a					ŀ	15	ドレ	1 1	ィ	
		1400 m	NO Sun	pla - Do seil																
017		1500 m	75% KF -	25% 556		15			Bale	<u></u>				1	A	10		レ	く	
018		1585m	91-mB-147-L-C18	-Stream . 5 mx 2"						ŀ			· ·							
UR		Iboom	25% AF-	- 556	·	N			Bake				1		B	20	12		/	
020		12004	<u> </u>			Inc	<u> </u>		++		<u> </u>		1	ļ	\downarrow	++	1-	1	4	
021		1800m		• 	_				\downarrow	_		_	_		11		ト	\square	≤ 1	
022		19000	ļ			_ ` _			++	_	·		1	- 		++	14	╇		
013		2000 .	The second		 	14	-	<u> </u>	ĻΨ			<u> </u>			⊥⊻	11	14	+		
024 .		Joom	->%AF.	- 550		<u>_w</u>			Prily	<u>ч</u>					<u>↓₿</u>	20	+	╇╾┛	$ \preceq $	
027.A.		1_2164m	41-MB-147-1-	-ULS Stream VX1"		<u> </u>				_ `							+	╇╼┥		•
1225 0		22000	Nosan	pre jours					-		<u> </u>				+		+	<u>_</u>	ᡔ᠆ᡰ	
02/		23000	Kiron all	A - 4		<u> ></u>			8	∽}					18	120	$+ \checkmark$	╉╼╌┦	4	
Lilla_		- 2-3:0m	Imean yi-m	42 141.1.026					_				<u> </u>	- 		_		- '		

•

			NECWAIIN	ENG	<u>IIN B</u>	EEr	NII	6 1	NU.												
Project:	ιL	17-west	- Pride so	IL SAN	MPL	.ES	1	Pacu		Platt	ed B	 		ŴIК	É.	Br	200	N			
Area (Grid):		· · · · · · · · · · · · · · · · · · ·					Majo	:			,·	N	.T.S.	:	104	-H /	130	ر ر		
Collectors	5:	michie	l'Brown				. 1	Date	:			ىيچ	<u></u>	لمد	22	ud	lai				
	Somple L	ocotion	· · · · · · · · · · · · · · · · · · ·		Top	pogra	phy			V	geta	ilan	0			+	Sol	1	Dole	ò.	
Sample			Notes		Bottom	of slope		Ground .	Wooded	Wooded			pu		Sompled	e Horlzon iple Cm	Horlzon	Derelop - meni	Parent	Molerial	
NUMBET	Line	Station			Volley	Chrection	HIII TO	Levil	H covily	Sparsely	Burnt	لمعوده	Grassla	Swomp	Horlzon	Depih t Som	Good	.Poor	Orli	.Bedrock	Colour
024		ZSGOM	35% AF - 556			w	-		Biles		. •	-			В	20	\leq		V		BR
029		zonom	AF - 55C			w					•				L	·	<		$\overline{\mathcal{J}}$		Π
030	_ <u>.</u>	27000	25% AF - 5%			5						•					\leq		V		\square
031	<u>.</u>	25004	25%AF - 556			5						::			V		1		V		T
<u> </u>		24000	7500 AF 45C			\sim			Bilson		-				B	20	\leq	1.	IV.		BR
		2000	-Stream - Dead us Sil	<u> </u>]				<u> </u>	·	·	· ·			1		\bot				
			hor sort samples	ľ						<u> </u>			L			<u> </u>				L	
· ·						· · ·			ļ	·	<u> </u>		<u> </u>		ļ	<u> </u>	<u> </u>			<u> ·</u>	
										· ·					<u> </u>					<u> </u>	
								<u> </u>		1	Ľ										
							<u>ا</u>	<u> </u>	1	ļ	1	·		<u> </u>	1	<u> </u>	<u> </u>	\bot			
						<u>. </u>			<u> .</u>	 	<u> ·</u>	<u> </u>	_								
				·		ŀ		ļ		Ľ.	ļ		·	1	<u> </u>			Ŀ	Ŀ		
m		_ .	3		·		ļ	<u> </u>	<u> </u>	ļ		<u> </u>	ļ	<u> </u>			<u> </u>	1	<u> </u>	<u> </u>	Ŀ
							<u> </u>		<u> </u>						ŀ		<u> </u> .				· ·
									<u> </u>		<u> </u>		<u> </u>			_					
						I	1						<u> </u>								
						<u> </u>		<u> </u>		Ľ			· ·								
L	· · · · · · · · · · · · · · · · · · ·																			L	
J						1	<u> </u>	<u> </u>		<u> </u>		<u> </u>				_	\bot	\bot			
						ŀ									Ľ.						
	·					ŀ				<u> </u>	1										
			·		-	· ·		<u> · </u>													
i				· · · · · · · · · · · · · · · · · · ·		1	<u> </u>	1		1	1										
			· · · · · · · · · · · · · · · · · · ·			<u> </u>		1		ŀ	_									ŀ	
]								·									
		·	·			1	<u> </u>	1		<u> </u>	\perp		<u>ان</u>						·		
ļ		l	L]]	.I	1	ł	1	1		1				1	1	1	1	1

Project: _ Area (Grid Collector:): 5:	est Pride	<u>_ 147</u>	АМР	LES		Resu Map Date	ults : <u>E</u>	Plotto ALU	ed By E L	AKE	E_ N E_ L	.T.S.	BRC : :	2011 041 52/	4/1 'al	34	<u> </u>	
	Somple L	ocation		Τe	pogr	aphy			V	geta	llan				t	Sol	1	Dot	ò
Sample			Notes	ottom	of slope		round .	Wooded	Mooded			Ø		S ampl ed	Horizon Die CM	Horizon	Develop - menl	Parent	-
Number	Line	Slation	at 5000st	Valley B	Direction	HIII TOP	Level G	H covily	Sporsely	Burnt	لمعوم	Grosslan	Swampy	Horleon	Depth to Som	Good	Poor	Orlft	
033		011	91-WB-147- L-033 Silt					<u> </u>									Ę		Į
034		on	25% AF - 554	_	$ \psi $	 		 		· · ·		moss		B	30	 	T L	 	1
035		100m	40% AF - 55C	4	<u> </u>		·				·				40	Ľ	+	É,	1
036		2004	25% AF 55C	1	w.	_	<u> </u>	ļ	}			V_	 	<u> v</u>	40	1	<u> </u> '	Ľ,	1
C37	_	3004	40% AF 45C		1~		 	<u> </u>	 	ļ	ļ	1055	┠	B		Ľ	<u>+</u>	1	4
		4000	No Sample - Tallus		+		ļ	_			┝	ļ		<u> </u>	<u> </u>		<u> </u>	 	_
033		5000	zit AF Whore - 55C 5020	<u>+]</u>	15	. 	 	_	<u> </u>			mass	ļ	<u> B_</u>	25	┣──	- '	ļ'	_
0:59		6000	60% AF - 10% 20 gcmic - 55(50	<u></u>	12				Serug	 		+		B_	20	┟┈┈		┣───	_
040		1004	Talles grabs SSC 5050+		SE			_	i	<u> </u>	 	0%	 	1 <u>a</u>	0		₋	┝	
041		8000	540		E		·		berug	┣──	<u> </u>			18	40	╂	⊬	Ļ	_
<u>C42</u>		qoem	15% AF- 15% otiganic SSC						┨╌╂╌		┨	 	┨───	++	20	–	+ -	<u></u> ⊢́−	-
<u> </u>		1000m	25% AF- 15% Ougering . 35C		155		 	- <u> -</u>	╉╾╇╸	<u>↓</u>	<u> </u>	<u> </u>	┨────	++-	20	╄──	<u>_</u>	╞╧	~
044		1100m	25% AF - 15% OFFANIC 55 (5050	*	154				┼┼					╉╋	120	 −́	, 	╞╼╾	-
045		1200m	23/2AF 15/2-wordine 55C	_	75	+			╶╂╌╉╼					╉╋		₩÷	/ —	╆╱╴	-
046		1300m	25% AF - 25% wigner 55 10	<u>e</u>	ISE		- 		╫╋					++	10	$+ \rightarrow$,	┢╱╸	
		1400m	25% At- 25% organe 356 44		15				╉╋		+			╉╋	120	+ -		+	-
048		1500m	(570 AT- 7/0004 CMC 55 603	ж 	121				1.17		+	+	╂		120	⊬	+	+	_
044			15% AF SE AVOL 27C						- V	<u>+</u>			+	+ <u>v</u> .	100	ťź	- `	+>	~
<u> </u>		1700m	1 1570AT 50054000 336				+	+	- XIN	s			+	+12-		+	+	+	_
		1/15m	Kneem thus in the solo	T	14						+	4	+	1.0	7.	+	, -	+>	-
$-\frac{052}{2}$		150004	10%AF- 596		12					+	+	101255	<u>'</u>	+P	170	ビ		냣	 ,
-053-	 	- 19004	25% AF - 10% Dugance - 556		-12-	+						++-		++	20	$+ \tilde{-}$	╈	tź	_
<u> </u>		2000	15 10 MT - 270 60000016 - 356	·	25				+			++	+	+	20	+	╧	+	-
<u> </u>	·	7784	70% 4 F - 10% Aug - 55C		1.15	.			+	+		1	1	B	20	, † 	ナフ	だ	7
~~~		221010	channe 91- ing 147 -1 - 1557		-175					+		101403	<u>'</u>	+	+	1	1-	<u>+</u>	-
CITY .					-												-	-	-

•

1

1

•

1

SOIL SAMPLES

Project:	<u>liest</u>	Pride - 1				1	Resu	lts F	Plotte	ed B	y:	MIK	<u>E (</u>	SROU	$\overline{NN}$	•				
Area (Grid)	):						Μαρ	EA	LUE	LA	KE	N	.T.S.	:_!	04+	<u>1/1:</u>	<u>3 u</u>	J		
Collectors	: <u>~</u>	richard !	Sociel			ļ	Date			$\alpha$	ind	مىر	A	3rd	191					
	Somple L	ocotion		To	pogra	) phy			V	geta	illon	<u> </u>				Sol	1	Daio		5
Sample Number			Notes	Bottom	n of slope	٥b	Ground	r Wooded	ly Wooded		7	puq	ру .	n' Sompled	to Horizon mple	Horlzon	Develop - ment	Parent	k Material	
	Line	Station	· · ·	Volley	Direction	нш т	Levil	Heavily	Sparsel	Burnt	لمعووما	Grass	Swom	Horlzor	Depth So	G ood	-Poor	Orit	Bedroc	Calour
Cai		26000	25% AF 20%0013 mic - 5 × 50054	5	Si				Serus					B	20	$\overline{}$		শ		BR
		2700m	No Sample	<b> </b>					ļ	·										
061		24000	25% AF - Scherganic - SSC Sloat	<b> </b>	7				6124					R	25	<u> </u>	·	$\leq \downarrow$		BR
062 :		24000	<u>350</u> 51004+	╂───	12			┨────	74145					0	25			<del>//</del>		BR
_005			<u> </u>		12									-12-	2)		·	<b> </b>		BK
			· · ·	ŀ	1													i+		
			·																	
										•										
		_		<b> </b>	<b>_</b>	<b> </b>	<b> </b>	ļ	<b> </b>		·			<b> </b>	<u> </u>		'			
			······································			<u> </u>		<u> </u>		·					<b> </b>	<u> </u>	<u> </u>	<b>  </b>		
		· · ·	·				·		┼──					<u> </u>		<b> </b>	╂	┝╧┻┫	ļ	<u> </u>
					+	<u> </u>	<u> </u>	+	<u> </u>				<u> </u>	<del> </del>		<u> ;</u>		┼──┦	<b> </b> '	<del> </del>
			· · · · · · · · · · · · · · · · · · ·				<del> </del>						<u> </u>	╂				╂───┦	'	{──
				+	+	1	<u>†</u>	1	1	1	+		<del> </del>		1				<u>├</u> ──	<del> </del>
······					1	1		+	ŀ	1				1	1	<u> </u>	1		<u> </u>	+
						1	1	1	1	1			<u> </u>							<b>†</b>
																				1
					· ·	1								·						T
	- · · - · - · - · - · - · - · - · - · -		·		<u> </u>	<u> </u>	1	<b> </b>	<u>  .</u>	<u> </u>	<b>_</b>	ļ	<u> </u>	<u> </u>		ļ	1.,			
		`			- <u> </u>	+	<b>_</b>			<b> </b>	<b> </b>	<b> </b>		<b> </b>	<b>_</b>	<b> </b>	<u>+</u>	4!	<b> </b>	<b>_</b>
·	+											<b> </b>	┨	<b></b>				<u>+'</u>	<u> </u>	<del> </del>
						+	┨───							+	+	╂───	+-	+	<u>ا</u> ن	
						·			+	+	· <del> </del>			╂			+-	<b>}</b>	<b> </b>	
	· · · · · · · · · · · · · · · · · · ·	· · · ·	,			+	1			+		<u> </u>	1	+	+	+	+	<b>†</b> '	╂──	+
				1		1	1		1	1	1	1	1	1	1	1	1	1	t	+

Area (Grid)	:					1	Mop	:				N	.T.S	.:	104	H/	134	<u>0</u>
Collectors	<u> </u>	atti Wawk	ling Jason Hiller			•	Date		<u></u> {i	Ly_	34/	71						_
-	Somple Lo	cation		T	pogra	phy			V.	9010	otion					Sol	1	Do
Sample Number			Notes	Bottom	of slope		Ground .	Wooded	Wooded			puq	. ۲	· Sampled	o Horizon nple	Horlron	Develop - meni	Parent
91 - HIS	Elpuction Line	Station	compare/gravel/Sound/ Sec 17 Clar	Valley	Cirecilon	ніі то	Level	Heovily	Sporsel	Burnt	لامهوم	Grossl	Swomp	Horlzon	Depth	g ood	Poor	04111
acal	40.40	dear	10/30/40/20/0		5			$\square$						В	30	$\leq$		-
(LCC)	4000	200	10/20/20/20		15.		<b> </b>			•		<u> </u>		B	20			
00003	. 4010	300	0/30/30/40/0		ISW			$\vdash$				·		<u>₿</u>	30	$\leq$		
duy:	4010	400	15/15/5/0		52								<u> </u>	A	25			
<u> de cers,                                     </u>	4010	- 500-	5/50/2-5/10/5		54			$\vdash$		·	<b> </b>		<b> </b>	18	40	$\leq$	i	
<u>cucc</u>	TCIS		10/50/30/100		12	<u> </u>		$\vdash$	<b> </b>		┼───			1 B	20	$\leq$		-
	1043	200	<u></u>		$\frac{z}{c}$	<u>}</u>		H->					┠	0	2			-
<u>u</u> us	4040				12	╏╴╴╴		+>	<u> </u>					$\frac{10}{10}$	30			-
et cur	LALS		2/20/00/12		10			1>	·									
<u></u>	40.60	1/100						17			+	┼──			50		$\vdash$	F
of CID	40.30	1200	C/m/30/0/2		1.8		1	1.7	1		1	<u> </u>		6	25	5		F
0(013	4(()	1200	15/25/45/50/10		:2		1	69	1-	<u> </u>	1	1.		6	25			ħ
0.014	4(00)	1460	: K120/10/ 15/15	·-   ·	18		1	بتسيا	17				1	B	20	. ~		F
0.015	402	1500	10/30/40/20/1		$\varepsilon$	1.		4	//	1				·ß	30			Γ
chart	400	1600	10/30/50/10/0		E			5	1.					B	35	1/	·	T
CON	4010	1700	10/40/40/10/0		E				1					A	30		/	
<u>c(018</u>	400	1800			15				1/			·		A	25		1/	1
<u>ctora</u>	3980	1400	10/30/40/10/10		5	<u> </u>			1/		_			В	30			Ĺ
06020	3960	- suro	<u></u>		18		_		$\perp$	1	-	<b>_</b>	1		25	1	arproductoring	Ļ
					<u>ا</u> ن	<u> </u>			<u> </u>	<b>_</b>	<u> </u>		1	_ <u> </u>		L	<u> </u>	L
	. <u> </u>	+			- <u> </u>		+		- <u> </u>	<b> </b>		4			<u> </u>	<b> </b>	+	┡
		·}			- <b>-</b>		- <u> </u>			<u> </u>						<u> </u>	+	╀
·		+															╂	╀
	-{	+	· · · · · · · · · · · · · · · · · · ·	<u> </u>					<u> </u>			+					+	ł

$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			Fell Bar	<	KEEWATIN EN	IGIN	EEI	RIN	GΙ	NC.												
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		1/7			SOIL S	AMP	LES							h	-1	• •	(		<b>`</b>			
More (Grid)       N.T.S.: $[OdH/13]$ Collectors: Fichlic's Mir/ Dute of / (.JM)       More / 107.25         Sample Location       N.T.S.: $[OdH/13]$ Somple Location       Vegatable for / 107.25         Somple Location       Source of / 107.25         Note: $\frac{1}{10}$ $\frac{1}{10}$ Source of / 107.25         Note: $\frac{1}{10}$ Vegatable for / 107.25         Note: $\frac{1}{10}$ N.T.S.: $[OdH/13]$ Note: $\frac{1}{10}$ Source of / 107.25         Note: $\frac{1}{10}$ Vegatable for / 107.25         Note: $\frac{1}{10}$ N.T.S.: $[OdH/13]$ Vegatable for / 107.25         Vegatable for/ 107.25         Vegatable	Project:	141		<u>_</u>				1	Resu	its F	Plotte	ed B	у: —	PUN	E (	2	$\Box$	>.0	<del>)_</del>			· · · · · · · · · · · · · · · · · · ·
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Area (Grid)	:	¥	<u> </u>					Map					N	T.S.	:	041	/13	ώ			• .
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Collectors	ETANGS D	OPT: / DAVE	E 0' /	(JM)				Date	_91	0	1.2	5									
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		Sample Lo	cotion			To	pogr	ophy			V	geta	1101					5011	1 1	Dolq	)	
Sample         Notes         E         A         E         A         E         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B         B										·						_	5	C O			-	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $						E	lop		Pc	de d	p•p					ble	÷	orl z	3	rent	Ξ	
Number	Sample				Notes	l · Ĕ			1 o U	000	Ň			Ð		E S	£_	ř,	SE .	٩.	Å	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Number	Jonation				ey B	o no	Top		117	sely	ŗ	þsq	slan	μpγ	.uoz	OF OS	-	1	_	10 N	5
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		Line	Station			Vall	Orecl	Ŧ	Lev L	Heov	Spar	8 ur	٢٥٥	Gra	S × 0	Horl	Depi	6 00	80 0-	10	₽ Qi	Colo
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	91JM 147	4000	021	ANG	10/40/10/20/20		SW				V	• •				B	15	V		: 1	$\mathbf{\Lambda}$	MB
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		4000	022	ANG	10/40/10/30/10		S				V,	·				B	IS	V			V	LB.
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		. 4000	023	ANG	20/40/10/25/5		sE	<u> </u>			V		·			B	15	V	·		V	LB
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		3160	<u>C24</u>	ANG	20/30/10/30/10		E	ļ	ļ	<b> </b>	V_	ļ	::	ļ	ļ	B	20	V.	<u> </u>	l	V	MB
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		4000	025	ANG	20/40/10/20/10		<u>BE</u>	ļ	L	ļ	<u> .</u> ¥	<u> </u>	ļ			B	S		i -	íЦ	V,	LB
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	<u>}</u>	4020	026	ANG	10/50/5/35/10		12	<u> </u>	<b> </b>		<u>1 V</u>					9C	15				<u>v</u>	MB
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		4000	021	ANG			X	<u>.</u>	┨───	╂───	┞╿╱╴	┣		<b> </b>		B	3	<u> </u>		$\vdash$	<u> </u>	LE
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		4000	028	I NO S	August Call		E	<del> </del>		┨───	·V	┣		+		10	$\mathcal{D}$			┝┦		US
$\begin{array}{c c c c c c c c c c c c c c c c c c c $					NARIE FORCE				<u>↓</u>	<b></b>	<u> </u>	+	╂───		┨────	+			$ \vdash $			<b>├</b> ──┤ '
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		1070	0.70	ANG	5/50/10/30/15		17.	*			$d \mathbf{t}$	+	+		+	ARIC	10		1	<b>├</b> ──┤		12
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		4000	027	ANG	5/30/050/15	+	1203	·[	1	1	₩	<del>†</del>	┼──			R	lič	$\nabla$	┝┸╌┤		1	IR
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		2980	031	ANG	19/20/12/50/10		1900	+	+-	+	1V	+		1	+	B	20	1 V	<u>├</u>	<u>├</u>	1V	is !
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	I	3980	032	ANG	2012010/ 52/10	<u></u>	Ē	+		<u> </u>	V	1		<u></u>		B	30	V			V	MB
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		4000	033	ANG	10/40/20125/5	+	E	†.	1		ĪV	1	1	1		1.B	30	ÎV.			V	MR
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		4040	034	ANG	10/40/10/20/10		E	+	+	+	từ	1	+	1		B	35	tv-	<b></b>	<u> </u>	V	MR
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		4000	035	ANG	10/20/20/40/10		E	7	1		TV				T	B	10	V			V	$\nabla$
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		3160	036	ANG	S110/5150/30		E	T			· V					B.	30	V		Γ.	V	FB.
4000 037 ANG 10/20/10/40/20 E V B 0 V V B				NO	SAMPLE																	
		4000	037	ANG	10/20/10/40/20		E	- ·			V			·		B	6	V			V.	LB.
					·		_ <u> </u>				_	<u> </u>	<u> </u>		1		<u> </u>	<u> </u>	<u> </u>	<u> </u>	<b></b>	
		·					_ <u> `</u>	_	<u> </u>	<u> </u>	<u> </u>	·					<u> </u>		$\rightarrow$	<b> </b>	<u> </u>	
				·		<u> </u>			<u> </u>										+	_	<b> </b>	<b>↓</b> :
	·													+	+		+	+	+	+	<u> </u>	<u>+</u> "
											- <u>i</u>						+	+	+	+	<u>+</u>	+
										+		- <u> </u>						+	+	+	+	<u>+-</u>
			· · ·	ŀ				1.			+	+						+	+	+		<u>+</u> -
								1.		1	1	1	-	1	1		1	1-	+	+	1	1

Project:			Westpride			1	Rasu Mop:	lts F	Plotte	d By	:			:	04	4/1	<u>3ú</u>	)	
Collectors:		Datti	Wankling / Dave & Brian				Date				<u> </u>	lu_	28/	11				·	
	Somple Los	cation	) <i>)</i>	To	pogra	ophy			Ve	getal	1.02	3				Soll	D	o 1 ọ	
							 ·	•			T				C O	c 1			5
Somple			Notes	ottom	slop		puno.	Vood ed	Wooded					S ample	Horlz	Horlz	E E	Paren .	- inw
Number	Elevation		organic/quairel/sand/sallf clary	ley Bo	ction ol	l Top	vil Gr	vily V	orsely	ir n t	9960	osslon	rompy	rlzon' :	pth to Somp	poo	٠ ٥		Grock
9190 1475	Line	Station		- v	ð	Ŧ	-	H	ά	ă	<u>د</u>	હ	Ś	Ť	ŏ	0			
100m	4080	062	10/20/20/20/20		100	ļ			┝ <u></u>		ł			ac.	30	$ \rightarrow $	-+	<u>-+</u>	H
200m	40,60	<u>c63</u>	10/20/20/20/20		NW	<u> </u>	<u> </u>							Dr.	25	-	-+	+	-
zeen	. 4050	064	<u> </u>		130	<b> </b>	<b> </b>	1-	┨───┨					DC	2	4	<u> </u>	-+-	-
400m:	4020		20/10/30/30/10		1 <del>2</del> 1	<u> </u>	<u> </u>	ļ			<u></u>		<b> </b>	P a	20	4	<u></u> ∔.	+	_
SCUM	4010	0.06	20/20/20/20/20		130	<b>_</b>		┨───	<b>K</b>		<del></del>		┣───	10	20	$\leq$		<u>-+</u>	9
600m	4010	_ 667 _	20/20/30/20/10	<u> </u>	12	<b></b>			1				┼───	1p	42	$\leq$	-+		-
200m	4040	068	10/20/20/20		12	<u>.</u>							<u> </u>	12		-	-+		-
Boom	40.40	069	5/10/10/40/35		누				1				┨────	1.0	40		-+		5
900m	4060	<u>c70</u>	11 11 1		12	. <u> </u>	<b>_</b>		14	·		┠			40		ł		
1000m	40 60-	0.71	5120/15/30/30		155	·			1-				1	<u> </u>	20		-+		-
lloom	40.40	<u> </u>	5/25/10/30/20		<u> 52</u>			+	14			┨			40		$\vdash$	-+	-
1200m	4040	073_	5/0/15/30/50		1.1/18	4		- <u> -</u>	44	·		+		10	120		┝┯╾╋	+'	_
1300 M	4060	24	5/10/15/ 30/30	<u>·</u>	+:>	<u>'</u>		+	$\vdash$	┨───				12	123		├	-+	4
1400 M	4020	075	10/30/20/20		12	<u> </u>			+		┠	<del> </del>			180	<u>;</u>	$\vdash$	-+	_
1500 M	40.10	0.76	10/10/30/10		INU	<u> </u>			14	<b> </b>	ļ				140	19	<u>├</u>		_
1600 m	4000	<u>c.77</u>	10/40/20/20/10			¥]			44	. <del> </del>				+-2	140			+	_
1700 m	4010	<u>c 78</u>	10/30/20/20/0		$-\omega c$	<u>a</u>			+->					<u>+ </u>		1-	+	-+	_
1800 m	4080		5/50/15/20/10		14	<u>'</u>			1		┨	+		-1-5	235	$ \leftarrow$	+-+	<u> </u>	_
1400 m	4100_	0.00	10/50/20/10/10		150	<u>.</u>			14			+			122	╞╧	╁─┤	ł	7
2000 M	4100	08	0/10/40/30/10/10		-IN	4			+			+			172	+>		┌───┼	-
2100 M	4120	0.82	5125/20/20/30		150	네			+		<b>}</b>			$+ \tilde{\mathbf{D}}$		<u>'</u> +	. <b> </b>	┢━━━╋	_
2.200 M	4110	0.83	iol rolicito		<u> ¥</u>	<u>-</u>	4		+	; <b> </b>		+	+	10		+ >	╉┯┙	┝──┦	4
2300 M	4140	0.84	10/40/30/10/10		15	•	_ <u>_</u>		+					13%			·+'	├	ź
2400 N	4110	0.35_	10/40/20/2012		_ ->	└┼─					+	╉──		- <del>  -</del> E	2423	9/~_	+	├}	
						·			- <u> </u>						-	1	1		

. 1

Project: Area (Grid): Collectors:	Patt	Wankli Contouri 147 1	ng DAVE O'Brian	SOIL SA  	ΜΡΙ	ES	1	Rasu Map: Data	lts F	Plotte	ed B	y:	<u></u> и и 19	) AJ	<u> </u>	) 'E 04	Brij H/	W 131	W	······	
	Somple Lo	cotion		=	٢٥	 > 0 9 1 0	Iphy			Ve	9 = 10	3 Ilon					Sol	1	Doiç	,	
Sample			Notes		lot tom	of slope		round .	Wooded	PibooW			p		S ampl ed	Horizon	Horlzon	Derelop - ment	Parent	Moterial	 
Number 915.4.147.5.	Elevation Line	Station	· .		Valley E	Greetion	HILI TOP	Levil (	Heovily	Sparsely	Burnl	Logged	Grossla	Swampy	Horlzon	Depth to Som	G ood	·Poor	Drift	.Bedrock	Colour
_ C 3)		loom	20/20/30/20/10			٤									B	25		$\geq$	:	$\geq$	LB
038		200 M	10/60/20/10/0			NE.				$\leq$	•			ļ	B	30				_	Ne
<u>c</u> 31		300m	101401 20 bolk			Ē				$\leq$		· · ·	<u> </u>		ß	35		$\leq$		$\leq$	MB
<u> </u>		400m	10/43/20/15/10			0		L		$\leq$		::			BK	10		$ \leq $	<b> </b>	$\leq$	RR
041		\$10. W	20140/2012010			NE.		<b> </b>			·	<u> </u>	ļ	<u> </u>	<u>  B</u>	25		K	<u> </u>	$\vdash$	<u>of</u>
04.2		600m	20140/20/20/0	•		18	· ·		<b> </b>	$\vdash$		$\vdash$	<b> </b>	╂──-	18	1.30		$ \models $		$ \vdash $	Γ <u>α</u>
043		100 m	10/50/20110/10			58			<b> </b>	<u>  ~</u>				<u> </u>	13	125	$\vdash$	┢╾┛		L-	143
$\underline{-\underline{U}\underline{q}}$		Scom	10/25/40/10/10				<b></b>		╂	14			┼	<b></b>	15	2	<u>  ·</u>	$ \vdash $	┟───┤		MA
<u> </u>		400m	-20/30/20/20/10			15		<u> </u>	<b>}</b>	$\vdash$		<u> </u>			16	12		<u>ل</u> نا	<u> </u>	$\leq$	
040	<b></b>	<u>kan</u>	20110101010			12		┨		$\vdash$		+	<u> </u>	╂	10	ac.	╂───	<u>ب</u> ل	<b>├</b> ───┘	₩,	1ru-
		/COM								$\vdash$			+		10	20		₩÷-	<u> </u> '	F>	1 rue
<u></u>		1 Lacin_			<u> </u>	1.12	· <del> </del>		<u> -</u>	+ -		+	+			뚢	<del> </del>	ť>	<u> </u>	<u>ج</u>	100
<u> </u>		150010	10140 130/18/16	····	<u>├</u>	- N	1	┼───	+	TA	ilis		┨╌╌╌			120	1—	ド		┢──;	1HE
0.51	1	Ison	10/30/20/20			12	1		<u> </u>		<u>402</u>	+	+-		1.2	125	<del>†</del>	ケ	<u>}</u>	トシ	1 m
AMAN		- san		•	1	┼╱	+		+	+	<u> </u>	+-		1	+	100	+	+	├──	+-	+
						1	1	1	1		1	1					1	1	<u> </u>	<u>†</u>	$\mathbf{t}$
									Τ	ŀ									Γ.	1	+
			<b>_</b>	<del></del>	<u> </u>				<u> </u>	<u> </u>	1		ļ	- <b> </b>	_	<u> </u>	<u> </u>	4			
			· · · · · · · · · · · · · · · · · · ·		<u> </u>	<u></u>		-			<b> </b>	- <b> </b>	_	4	- <u> </u>			+	<b> </b>	<u> </u>	$\bot$
	·	<u> </u>				<u> </u>	<u> </u>			<u> </u>			- <b> </b>				<u> </u>	┥	<b> </b>	_	┺
······	+	- <u> </u>	-			<u> </u>		-										- <u> </u> -	╂	╄	+
<u>.</u>	+																	<b>-</b>	╂	+	╂
				· · · · · · · · · · · · · · · · · · ·	+	╉╧				- <del> `</del>	+						+		+	+	+
	+		+		+	+	-				- <u> </u>	<del>. </del>		-{		+			╂	+	+-
	1	- <u> </u>	1.		+	+-	+	+	-+		+		<del>  _ </del>				+		<del>!</del>	+	+-
			T		1	+			1					-1			+		+	+	+
^{&gt;} rojoci: Area (Grid):	Wes	T PRIDI	<u> </u>	SOIL SA 	MPL	ES	F	Resu Mop:	11s P	lotte	d By		N. . <del></del>	<u>G,</u> .t.s. 91	NA :	104 104		131	لم		
-----------------------------------------	------------------------	-------------------	----------------------------------	-------------	-----------	-------------	----------------------------------------------	--------------	-------------	----------	----------	-----------	---------------------	--------------------------	----------------	-----------------	-------------------------	-------------------	--------------	----------	
Collectors:	<u>Grant</u>	pagy /	Dove O Drian	- <u>-</u>	 Tor		ohy			Ve	9=10	llon					Sol	1	Dote	ò.	
Sample	Somple Lo		Notes		t t o H	slope		. puna	yood e d	Wooded			Ð		S ampl ¢d	Horlzon	Horlzon	Derelop - ment	Parent		
Number	elev.	100M ST.	•••		Valley Ba	Xrection of	HIII TOP	Leviel GI	Heovily Y	Sparsely	Burnl	لمعووما	Grosslan	Swompy	Horlson	Depth to Som	G ood	.Po.or	ortri		
OL TTM. ILITS	4000	054	10 ore 30 sand 40 silt	20 GRUL		Š			1						B	40	~		Ļ÷	÷	
11-0K1-1-1-)-	3990	055	51-301-651		<b> </b>	E	<u> </u>	╂	17							37	17		1	+	
	. 400	056	10, 50, 40			E			17		{	: :			1	40	11	+	<u>†</u>	t	
	4005	057	$10 - 20 \cdot 10$			E	+		17		<u>↓</u>	<u> </u>				35	1		Ē	T	
	4010	058	$\frac{1}{10}$	<u> </u>	+	E	┨───	1	V	i .	· ·					35	1		<u> </u>	4	
	4020	029	$10 \cdot 60 \cdot 30$		1	E	1		11					<u> </u>	<u> </u>	40	1		<del> </del>	+	
	4030	$\frac{100}{100}$	10 30 20	· YO clay		E	•		V	<u> </u>	<b>_</b>	↓	<u> </u>		- <del> </del>	40	1.4		+	+	
	4005	667	20 - 30 - 50	j.		E			10	<u> </u>	·		<b>_</b>			43				+	
	400	1 063	20 . 40 . 40	i -	1	E		1		,		<u>↓.</u>	╂──			-137	+	-	+-	+	
	1000	064	20. 20 - 60	·					+	+			+		+	45		+		-	
	4000	065	20 - 30 - 45			- <u>+</u>			- <u> ·</u>			+	╉╌╧			45	-17	- <del> </del> -	1		
	4010	066	20 - 40 - 40		<u>.</u>	- <u> -</u>	+-		Ť	+		+	+	1	+	40					
	4000	067	30 - 50 - 50				- <del> </del>						+		ŀ	45	511				
	4000	068							+7							50	$\overline{\checkmark}$	<u> </u>			
	400	1 067	22. 20 . 50	- 10 clay		-	-	$\neg$	1-							39	512	4	<u> </u>		
ļ	4010	040	10 - <u>30</u> - <u>b0</u>			1			~	1 ·						40	의	4		<u> </u>	
·	4010	0+1	$\frac{1}{20} \cdot 40 \cdot 30$	· NO CHY					~							$-\frac{13}{2}$	<u> </u>	4	╧		
	$-1$ $\frac{400}{100}$	-1-0+2	120 . 20 . 30 .	20 /					Ľ	/					<u> </u>	- 13	21-	_ <b> `</b>	4-		
\	400		NIS OUT (ROP O	ikut 2096m												$-\frac{1}{2}$	_				
	4000	075	- 1000 20 sand 7	Osilt		·				<u> </u>	<u></u>				_+-		<u>۶ ۲</u> ۰		┯╂╾		
	<u> 400</u>	- P.D. L.					<u>.                                    </u>	<u> </u>										-+-	+		
1						- 1	- 1							- t .						_	

SOIL SAMPLES       Results Plotted By:	alour
Project:     Yal     Map:     N.T.S.:     104H/I3W       Area (Grid):	olour
Mop:	olour
Collectors: <u>LCANGS DERT &amp; DAVE O'BKIAN&gt; DO</u> Somple Locotion     Topography       Somple Locotion     Topography       Vegetation     Soli Data       Number     Dote       Line     Notes       Number     Dote       Line     Notes	olour
Somple Location     Topography     Vegetalion     Soli     Data       Sample     Notes	olour
Namper Heavily Wooded Grossland Groot Sparsely Wooded Groot Sparsely Wooded Heavily Wooded Heavily Wooded Heavily Wooded Heavily Wooded Heavily Wooded Heavily Wooded Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereion Dereio	alaur
Number Orienter Annual Aller Annual Aller Annual An	olour
and the NS NO sai an idea	°
100141 100 036 ANG 20/50/10/10 70 V. B/C 15 V V	MB.
3440 037 SUB ROUND 5/40/5/25/25 E V B ROUND 5/40/5/25/25 E V	MB
3980 038 ANG/SUBANG 5/30/10/25/20 E V B 30 V	MB
2000 039 SUBROUND 5/20/20 E Avalanche Stoot 5/20/	MB
4020 040 SUBROUND 10/50/5120/15 E " " " " " B 30 V V	MB
4000 041 SUBANG - 10/10/10/40/30 E V B 30 V V	LB
NS NO SILT and abolike	-
3950 042 SUBATING 10/30/10/30/20 E edge of Flindariche BESV	10
3970 043 ANG 5130/25/25/E Avalante B 60 V	10
4020 044 ANG/SUBANG ZOZO/SITOPS E. V. BZOV	MP
4040 045 SUBROUND 10/30/10/25/25 E	-170
4020 046 SUGANG 10/10/15/45/30. E	TIND
4020 047 ANG 0/10/20/35/35 10 11 10 23 11	10
4030 048 SUBANG 5/10/20/ 8/30 70 V.	12
4080 049 SUBAING 10/50 /10/5/15 55	TIME
4,000 050 500000 500000 5120 25130 55 55 6 55 6 55 6 55 6 55 6 55 6 55 6	TIME
4020 051 ANG 510729750 E V B 30 V C	TIR
4060 052 ANO STOTOPOLS E H	6.0
$\frac{1}{4020} \frac{0}{055} \frac{1}{400} \frac{1}{500} 1$	MI
4020 054 ANG SIEN 10/20 10 10 10 10 10 10 10 10 10 10 10 10 10	-
	_

			KEEWA	TIN EN	GIN	EEF	RIN	GI	NC.					•		•				
Project:	We	Arride	14]	JUIE 3/	MMF 1	_23	1	Resu	lts F	Plott	ed B	y:	<u>)</u>	, ME	TINE	R	• • •			
Area (Grid):	013-7	rench	- GRID					Mao	1:2	2000	GRI	Ď	N	T.S.	:	04H	<u>/13</u>	£ω		
Collectors:	. 70	etti Wonk	lina					Date	A	ua .	18/	191						•		
	Somple Lo	cotion	9		To	pogra	ophy			- <u></u> ,	gelo	otion	•	T	<u> </u>		Sol	1	Dalo	,
								·	•					<u> </u>		e l	с 0	1		
Sample			Notes		i om	s lop e		pund	od ed	p i p o o					om pl e	Horl z (	Horlz	menio	Parent	Johr
Vumber					Bot	6	a	° C	Ň	3			Pc	~	š					<u> </u>
			• •		2	с о	10	-	<u>,</u>	sely	=	2	10	d E	Lon	- E 0.			_	Š
1 PW147.5	Line	Station	org/quar smill silt letan	•	Volle	Orecl	ШН	Levi	Heov	Spor	Buri	5607	Gros	S N O	Horl	Depil	G 00	0.0 d.	1120	.Bedr
	100W	OON	20/10/30/40/0	·····		NW					• •		1		B	25		1	<u>.                                    </u>	こ
		_20 N	11		ļ	1					·	ļ			B	30				$\leq$
•	•	40N	30/10/20/40/6			1		<u> </u>	<b> </b>		<u>}</u>	<u>  :</u>		<u> </u>	<u>  A</u>	35			<u> </u>	$\leq$
		<u> </u>	N.S.			n N		<b> </b>			}		$\vdash$	<b> </b>				m		_
		- XON	50/0/2013010	· · · · · · · · · · · · · · · · · · ·		1	<u> </u>	<b> </b>			<del>[</del>	<u> </u>	1-			32		1		$\leq$
		1201	10/14-14 allala		<u>├</u>	$\frac{1}{10}$				<del> </del>			15			20		17		$\leq$
· · · ·		140N	20/20/20/30/0		1	1.	<u> </u>		+	1.	<b> </b>		17		A	125		5		É,
		205	20/20/37/30/0		<u> </u>	1	<u> </u>		1	<u> </u>	1		た	1	A	20	·			ŕ-
· · · · · · · · · · · · · · · · · · ·		405	11		-	1	<u> </u>	+		1	1.		17		A	40	N			
		605	20/20/20/ 30/16	·-		1			-			·	1/		B	30		w		17
•		805	20/20/30/30/0			, n			ŀ		•		1.		B	30		/		~
		1005	10/ 30/40/20/0			- P			<u> </u>				1.1		A	40		1	•	$\sim$
	<u> </u>	1205	2 N.S.		·   ·	11	1	1		1		<u> </u>	1/	1			<u> </u>		•	12
·····		1405	60/0/20Ack	·		<u> </u>	<u> ``</u>		-	· <b> </b>			1/		A'	35	<b>!</b>	$\square$		4
	COW	OON	NS. TAUS	•		+		+-	+	+	+	+	+	+	+	+	<u> </u>			÷
		20N	40/20/30/10			NU	1			ŀ					A	35				
		40N	0/30/60/10/0			11							/		A	35		1		1
		6CN	10/20/40/30/0	· · - · - · - · - · - · - · - · - · - ·		11	·						$\leq$	· ·	A	35		$\leq$		$\square$
		80N	30/20/30/20/0			11.	<u> </u>			1	_	_	$\leq$	<u> </u>	<u>A</u>	20	<u> </u>			12
	<u> </u>	100 N -	35/20/35/10/0			<u>• ॥</u>	<u> </u>			<u> </u>	·		$\leq$	·	Ťŧ	25	<b>_</b>	arphi		
		120N				<u></u>		<u> </u>					$\downarrow \leq$	1	┼┢	30	<b>_</b>	Ķ		4
	+	140N	20/20/30/30/0			<u> </u>							$+ \geq$		+-8	450	<b>}</b>	K		┝╴
		1/2								<u>+</u>			+	<del>.  </del>	$+\dot{s}$	12	<del> </del>	$\vdash$	<u> </u>	<u>-</u> +
	+	405	10/20/20/20/	·····		- <del>  "</del>					- <del> -</del>	<del>. </del>	+ >	ォー	+		-	$\neq$		F
	· [·	1 805 .	· // 40/50/0/0			- <del>  "</del>	+				+		+				¥	$\neq$		$\vdash$
		1	11			-+	-	-								-10-2		- <u> </u>	L	

•

Protoct	; L.	kAn. to	147	SOIL S	AMPL	ES		<b>D</b>	u., 0		. 4 0	• •	አ	. A	UD.	M	ler	WET	e	
	OLD -	- TRENCH	AREA				1	Kosu	ns r / {	2000	co o Ge	y: /D	 	тс		104	H/I	3w	≍ )	
		Dath	1 Jan Kling				1	Mup: Date					(1) 	. 1.3. 15	2 91	in	<u></u>			
Somectors.			0				·'						-7	31	214		C . 1			
	Somple La	Cotion			1.61		יעיטנ <u>א</u> יטני			•••	:ge 10	r				T	201			·
Sample		÷.	Noles		Boliom	ol slope	•	Ground .	. Mooded	P100M			Pu		S ampled	b Horlzon ple	Horlron	Derelop - menl	Parent	Material
919W1474	Line	Slotion	· .		Vailey	Clrection	HIII To	Levil	H covily	.Sporsely	Burnl	لامعوم	Grossla	Swomp	Horlzon	Depth t Som	G ood	·Poor	0111	.Bedrock
	NOO	1205	60/10/30/0			NU							-		<u>A</u>	30		7		4
		1405				rvu							<del>.</del>					$\leq$		∠µ
· · ·	•				1							: :		· · · · · ·	<u> </u>			·		
*			•								ŀ	<u> </u>						. 1		-+
										·										
<u> </u>					<u> </u>		<u> </u>				ļ	ļ			ļ					
•••		·	· · · · · · · · · · · · · · · · · · ·		- <b> </b>	ļ	<b> </b>	ļ	<u> </u>	<u> </u>	<b> </b>				<u> </u>		•			<u> </u>
			·		+		<u> </u>	<u> </u>		i		──	<b> </b>		<u> </u>			┝		⊢
·									<u> </u>			+		<u> </u>				┠──┨		┝──╂
·····		<u>.</u>		<u> </u>		t			1		1.	1.								├── <b>┼</b>
				•		<u>.</u>	1		1	·			•.		1.			· .	•	
		•	2		•														·	
				·		<u> </u>	Ľ.		<u> </u>	·		<u> </u>	<u> </u>	1	<u> ·</u>	<u> </u>	ľ			
				•			· ]	<u>  </u>	<u> </u>		<b>_</b>	+			- <del> </del>	4			'	-
······			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·							+			+			<u> </u>	<b> </b>		
· · · · · · · · · · · · · · · · · · ·	1								+	<del> </del>	+-	-{	<u>+ · ·</u>		+					┝──┦
		+				+	+	+	-	┼──	+-	+	<u> </u>	+	1	+	<u>†</u>	<b>†</b>		
						1.	1								1·					
		-				ŀ														
	<u> </u>	· · ·	•			· ·		·		<u> </u>		_		<u> </u>			ļ			
•	<u> </u>						4		<b>_</b>					- <b> </b>			<b> </b>		┣──	$\vdash$
	-	• • • • • • • • • • • • • • • • • • •				- <u> </u>				<u>+</u>			+			+			<u> </u>	╞╧┥
•			÷				-			+	+	<del>. </del>		+		.	+	╋	┣	┠──┦
	ŀ	• •	•	·····		+	$+ \cdot$	+	+	+		-	+	+		+	1	$+\cdot$	<u>├</u> ──	
					1			1		1-					1		1	1	<u> </u>	11

**、** 

Projoci: Area (Grid) Collectors	WES 040 77 : Pat	T PRIDE RENCH- C H?   GRA	GRID SRID			SOIL SA	MPL	ES.	F 1	Rasu Map: Date	lis F _/82	Plotte	d By GRI	Ω 2 2	D. / N. B/91	<i>.</i> .T.S.	. 10	2 4H/	1 <u>3</u> u	)
	Somple Lo	cotion					Tel	pogra	phy			٧e	ġe to	llon					Soll	(
Somple		**	• .	N 0 1 C 1	· ·		otiom	of slope		round .	Wood t d	Woodid			p	·	S ompled	Horizon ple	Horlzon	
Number	Line	Station		•••		•	Voiley B	Ørecilon (	HIII TOP	Levil G	H • ٥ نا ا ۲	.Sporsely	Burnl	لمعودم	Grosslar	Swampy	Horlson	Depth to Som	g ood	.Poor
LZOW	1405	<u> </u>	10 org	YUSILT	505	And		NW	•		~		••		/		B	30	$\mathbf{\mathbf{v}}$	
			10	110	<u> </u>	10		$\left  - \right $				$\left  - \right $					4	25		╧╂
<u> 3L · · · · · · · · · · · · · · · · · · ·</u>	<u>.2200</u>		10	20	30	10 GRL		K			<b> </b>							20	<u> </u>	5
	24000		10	<u> </u>	30	20		5		┠	-			···-			R	12	.7	ȇ
	120000	· · · ·		50	<u>३८</u> -	10	<u> </u>					$\vdash$			1		5	30	ĬĬ	
	120W		10	-40	Z O	230	ŀ	1				<u> </u>	-		1		A	25		
· .	140W	· · ·	20	60	•			11				·			17		17	30	1.	フ
	Ibow	1	25	75			<u> </u>	11							1		11	35		1
	IBOW		20	60	20			11		ł	1		·		17		B	35		/
	EUN		20	40	20	· Ze CLAY		1						·	1		1	35	1	
•	60 00		20	40	30.	. <u>(</u> )		1.1					•		V.	<u> </u>	A	35		
	40 W		25	50 .	25			:1							12		B	30	<b>_</b>	ン.
	2014	<u> </u>	15:	<u> </u>	<u>20</u>	15 101	<u>cliny</u>		<u> </u>	1	<u></u>	ーン		<u> </u>	·	ļ	B	150	<u>.</u>	
						<b>·</b>			ľ.			·	ļ		ļ	<u> </u>	<u> ·</u>	_	<u> </u>	·
	·					·····				<b>_</b>		- <b> </b>	<u> </u>	<b> </b>	<u> </u>	<b></b>	·			
						····				<u> </u>			<b> </b>							
						-									<u>+ · ·</u>					
		<u>.</u>							+			+		+	+	╉╼╼╼				
	_			•					+					+		+	╞──		1	
		-{				· · ·		+		+				+	+		+		+	
	- <del> </del>	1.	- <del> </del>		· · · · · · · · · · · · · · · · · · ·		+		┥	╉╧		+	+	+	+	+-	+		1	+
		+	÷ <u></u>				· †	- <del>  - `</del>	-				1	+	1-	+	+-			$\mathbf{t}$
·			1				+		+	- <u> </u>	+	<del>.</del>	1	1	1	1	1.		1	1
· · · · · · · · · · · · · · · · · · ·		1	-					- <u> </u>	1	+	1-	-	1.		1				1	T
			1.				-	1	-			1	1	•	1.					
	•	• •	••						·		·									
	1	1					1	1	1	1		1	1		1	1	1		1	1

ς.

KEEWATIN ENGINEERING INC.

1

Projoci:	* WE	ST PRID	E Gr	10		SOIL	SAMP	LES		Resu	ults F	Plotte	ed B	у:	Ъ	. M	EHN	ER	· .		. <u>.</u>		
Area (Grid)	: OLD 7	TRENCH 6R	<u>ID</u> .		· · · · · · · · · · · · · · · · · · ·	_				Map	: 1:2	1000	GRI	<u>`D</u>	N	.T.S.	:	<u>04H</u>	1/13	<u>ડ                                    </u>			
Collectors	: . Pat	ti 16 RA	JT .			<u>.</u>				Date		Ang	<u>; i</u> 8	191									
	Somple La	ocation	* 20r	1 STATI	005		To	pogr	ophy			v	geta	1100					Sol	1	Doiç	>	-
Somple		10 		Notes			t i om	slope	•	. puno	100ded -	Wooded					ampl ed	Horlzon Ie	Horizon	Develop - meni	Parent	Moterial	
Number	Line	Station		• •			Valley Bo	Chrection of	HIII TOP	Levil Gr	H tovily W	Sporsely	Burnt	لامعوم	Grossland	Swompy	Horleon' S	Depih to Somp	g ood	.Poor	Oriti	Bedrock	Calaur
L. JOOW	OON		20 ORG	40 SILT	205AN	D JU GRU	iL I	NW					••		$\checkmark$		B	30	ノ		:	マ	LC
	N CC		30	60	10		_	11			<u> </u>		·		<u> </u>		1	<u> </u>	~	<u> </u>		く	20
·	. 40 N		0	60				12	<u> </u>	ļ	<b> </b>	1		<u> </u>		<u> </u>	1×			·		~	R
	60 N		20		2			17	<u> </u>	ļ	<u> </u>	ļ		::		<b> </b>	A	<u> </u>	~			~	~
	80 N	<u> </u>	20	<u>40</u>	20	20		ΤÝ	<u> </u>	<b>_</b>		<b> </b>	<b>İ</b>	<b> </b>	Ľ,	<b> </b>		<b> </b>	1	÷	<u> </u>	$\leq$	<u>rc</u>
	100 N		20	<u></u> .	40	· 20		1~	<u> </u>			<del> </del>	<u>}</u>	<u> </u>	<u> ~</u>			<u> </u>	<u> </u>			<u> </u>	$\leq$
	1120 N	<u> </u>		- 604 CK					÷		+	<u>↓</u> · ·	──			<u> </u>				┢╾┦	i		
			30	NIS OU	T CKOP			+	<u> </u>	+	+	<u> -</u>		╂		╂	1.12	40	1-7		┝┦	<u> </u>	-
	203		120	<u>40</u>	- 40			14	+	<del>\</del>	+	+	<del> </del>			╂───	HP-	125	<u>I≁</u>	۴H		×.	Ц
	605		120	20	10	30		Ť	+	+		╨	┼	+	1×		12	13	セ	┢╾┥		5	Ë
	805		130	40	20	.10		17	+	+		╂	<del>†.</del>	1	ゲ	+	ŤŽ	120	5	+		7	ň
	1005		10	- 30	.60			ťŻ	+	+-	+	17		<u> </u>	17		18	135	17	┼╌┤		1.7	H
	1205	· · ·	10,	40	40	10				+		1-	1	1	た	1	17	17	ケ		<u>,</u> −,	7.	F
	1404		NIS	OUTC	PCD			Ť	+		<u> </u>		+		Ť	1	1.	+	†	<u>f</u>		i	F
L. 200W	1 CON		20	70		.10		1.7	+	+			1	+	+~	+	TA	40	t	セ		17	5
	200		20	40	20	20		17				レ	1		17		15	17	1	レ			ľ
	YUN		40	60					+	+-		ŀ	$\top$	1-	17	1	11	17	1	17		17	Ē
	60 N		60	40				17	1	-		12	1	1	11		17	145	ŀ	17		17	Ī.
	BON		30	40	30			17	·						11	1	1	40	T	V		17	10
	100 N		20	40	· 30	10		1					T		11		11	~		$\nabla$		1	5
	120 N		20	40	40			12							TZ		B	30	17			11	R
	IYON	•	:150	SO					:	·					~		A	35		रा		17	Б
	205		10	50	40			17				1		·			3	30	12			1	F
	405		20	60	20							. /					A	35		1		1	1
	605	_	20	<u>. 10</u>	10.							1					1	1		1	ŀ	1	Ľ
	1 805		20	80				1						•	11		12	:30		V		1	K
	1.1005		1:10	<u> </u>	30	<u> </u>		1	<u>,                                     </u>	-	·	12	1		<u> </u>	-	14	1	+	12	1	1	k
L	11:02			50	40								1				B	1	12		1	V	1

			-							and the state of the principal state of the			
an a		,		7	°.]			}	]	i .	]	] ]	
				KEE	NATIN	ENGI	NEER	ING II	NC.				

Project:	147	WEST	PRIDE.	SOIL SA	ΜΡΙ	_ES	F	Resu	ilts F	Plotte	d B	 y:	<u> </u>	RAN TS	<u>r /</u> .	UA6	<u>ү.</u> ч. Лі	34	 ປ		
Collectors:	.Grant	Juson					נ ן	Mup Date	·	501	y 19	91	N		••						
	Somple Lo	cotion			۲ ₀	pogra	phy			Ve	gela	tion					Sol	1	Date		
Sample		5	Notes		Bottom	of slope		Ground .	Wood td	Wooded			Þu		S ampl ed	, Horlzon ple	Horlzon	Develop - menl	Parent	Material	
GN.	Line	Station	••	·	Vailey	<b>Cirection</b>	HIII Tog	Level (	Heovily	Sporsely	Burnt	Logged	Grossla	Swomp)	Horlson	Depih ti Som	G ood	.Po:o1	0r111	.Bedrock	Colour
91.147.5.	Trench 3	А В С	30 org +0 silt 10 / 90 / 20 tag · 30 sond · Sosilt												A B C	5 12: 8-10	7			NV NV	3538
	Turench 4		10 ora 40 silt 10 clay 10 silt. Sosund 30 20 J. 20 J. 40 J. 40 J. 20	uni Had								· · ·			A B C	20 25 50				14	CX RT RT
Tatpit	T.P.I	4880 2/~~	19 30 ora 70 silt 3. B 20 kg 10 cra sosilt	10gul		030			~						A B	8 12		V V		· > >	22
•	T.P 2	4870.4~	A 2001 SUSILE Zesced B 1011 - 401 - 1011 - 1	10cley 40 hours.	 	015				<u>}</u>	· 				A B	10	4	<u>.</u>		<u>L</u>	R
· · · · · · · · · · · · · · · · · · ·							· . 			· 											Ē
				· · ·																	
	·	•				· ·				<u>.</u>			 					-,			
		· · · · · · · · · · · · · · · · · · ·						+												†÷	
	ŀ	···			-		<u> </u>	-		-	1			1		+	-		+	+	+

•

Projóci: Area (Grid) Collectors	147 :	WEST t / Jaso	<u>PRIDE</u> SOIL	SAMP	LES		Resu Map	ults f	Plott July	ed B y 19	y: 91	. <u>(</u>	). RAI		NA 041	9-1/. 1/13	ω		
	Somple Lo	cotion		To	pogra	ophy			V	ege 10	otion					Sol	1	Da t ạ	
Somple Number	Line	Slation	Notes	'alley Bottom	irection of slope	III Top	evel Ground	eavily Wooded	iparsely Wooded	Burnl	-09960	irassland	swompy .	dortzon' Sompled	epih to Horizon Somple	3 ood Horlzon	oor Detelop-	Drllt Parent	iedrock Moterial
1.69.177	F.P. 9 Trench 9	A • 1 B • 1 B • 2 C • 1	30 ORG 50 silt JOsand 10 " 10 any key: 60 sand · 10 gist · 10 clu 20 J · 10 J · 20 J · 20 J 30 J · 40 J · 10 J · 20 J					Ĩ						A B C	0 5 60 7				
	Trench 8	A B C	50 04 505114 10 049 - 20 5114 10404 605040 20 Pag 10 clay 405000. 200701 1051	F										A B C	13 10 30	ン イ			
•	Tierch 7		20 ary 70511 10gr.). 10 J - 40 J - 10gr. J. 50rg - 30 freg - 3-2 ad. 255117-59		· · · · · · · · · · · · · · · · · · ·			   			   .   .			A B C	6 6 10	× >	\		
	Trench 6	А В С	40 any 40silt 10 End 10 gr 1 20 1 40 1 20 1 20 king 80 silt - 10 frag . 10 send			· · ·								A B C	7 14 4		レンソ		ジレフ
	Trench 2	B B	50 014 . 50 si 1t 10 1 . 40 1 . 10g/v1 . 40 fr	<u>"</u>					. 			· · · ·		A B	8				マノノ
	Trench 5	A	Z-Scon Ballock Below N/S		· ·									<u> </u>			Ļ		
· · · · · · · · · · · · · · · · · · ·	Irench I	$\begin{array}{c c} H \\ B1 \\ B2 \\ C \end{array}$	10 and WSTILL 10 and 40 still SD strag 30 still 40 clay 10 trag 20 sand 50 clay 10 sound 20 trag						 					A B B	15 12 6 2-5				2117

•

•

Projeci:	RAILWAY	- ZETU	# 147	SOIL S.	ΑΜΡΙ	_ES	1	Rosu	lts P	lotte	ed B	 y:	Þ.1	ЙЕЪ	NBR					
Area (Grid	):	HNER /	B RICHARDSON.	·				Mop			1 16	. /	<u> </u>	.T.S.	: <u> </u>	<u>77</u>	7131			
Conectors					<b>_</b>		·							1						
	Somple L				<u>'</u> ?							1100					5011		-010	
		÷.			E	lope	•	P U		pipe			LANE		pl td	rlzon	orlzon		ren!	
Sample			Notes		· 1 0	_	•	201	¥00,	Å			Z.		S on	£-	ž	SE	۲ ۲	Ĩ
Number			· .	•	69	o c	a	υ	~	2		Ð	0	ρΥ	·c	:2 Ê	Т		Ţ.	
	Line	Slation			Voiley	Xrecllo	HIH T	Levil	Heovil	Sport	Burnl	Loge	Gross	S N O H	Horleo	Depth S.	0000	Poor		
91-DM-	1475 -	API	mosa resta.	15% ang the \$70	m	N	•						マ		A	20	V		-	
		BPI	TEST 30% Mos Som 5%	nonts, " sand "	I	N					·		7		B	30	•	V		R
		CIPI	(PIT) 15% 160 < 3 cm; 5	20 Minto	ļ	N						•	· V		<u> </u>	45	~			- BC
	i	Capi	[DM-1] grey to grey black.	SOBALAOS 2 cm		N N						::			1 <u>C</u>	60	~	<u> </u>	_ <u></u> _	- 01
········		CSPT.	10 2 1/0 2 15-2010h	(a ≤ 6 cm : 50% san	1	IN-				•	[					82	늰	<u> </u>	-+-	B
		C5PI	(80% Aka < 1/2 Cm	0, 2018 300	<u> </u>	1N	· ·					<u> </u>	1	<u> </u>	12	142				10
• •			Ţ <b>Ş</b>		1	<u> </u>										<u>  · · ×</u>	E			
		AP2	DIEST ( promise : al	aso inorto		E							1		A	14	2			it
		BP2	PIT 2 grey - sandy ste	t; ]:		E					ŀ		V		B	9		V		VG
		CP2	DM-2 (15-20 7016 page 660	m; 30% gravel, 10% c	and	E	ļ			ļ	<b> </b>	·	1-	ļ	C	33	- 1			VG
•				10700		+	ļ		<u> ŀ                                    </u>	<u> </u>	<u>↓·</u>	<u> </u>	<u> </u>	<b> </b>	+				<u> </u>	
		Ars	PIT DEST ORGANICE	9 . 1°4 . <b>4-6</b> . 4	· <del> </del>	15	ļ	<u> </u>	<u> </u>	<u> </u>	<b></b>		1.1	<u> </u>	14	19	$\sim$	<b>------</b>	<u> </u>	4
			DM-3 (10-15 9	osilt 5/0 clay		15	<u> </u>		<u> </u>			<u> </u>	<u> </u>		<u>+</u>	161	÷Ľ			4
			10 1370 gand .	· · · · · · · · · · · · · · · · · · ·			┨─.──							+			<u> </u>	┝╼╂	-+	-+-
			· · · · · · · · · · · · · · · · · · ·	•		-		+	1	1	1	1	$\square$	1						
				······································		1			$\uparrow$	ŀ	1	1	1.	1						
										·										
			· <b>·</b> · · · · · · · · · · · · · · · · ·	<u></u>			· ·			<b></b>			<u> </u>	<u> </u>	<u> </u>					
						ŀ		<u> </u>	1	<u> </u>	1	ļ	1	4	<u> </u>	-				
	<u></u>		•			ļ		<u> </u>	<u> </u>	<u> </u>	·		<b>_</b>				ļ	┝┯┨	<u> </u>	
			·			+		+				+		+				<b>├ </b>	-+	-+
				· · ·			1	+		1.				+	+	+	<b> </b>	┼──┤	-+	<del>.  </del>
			· · · · · ·	٠ <u>.</u>	+	<u> </u>	1	1	1	1	1.	1	1	1	1	1		1-1		-+
								1			$\top$		1.				1			-+
		· · ·	•		1								ŀ					I I		
							1	1		1			1	1		1	1	I T	T	

RB = Rad Brown BK = Drow BG : Brown-grey GR = gray

Silt Sample Descriptions

[

ł

Γ

#### **KEEWATIN ENGINEERING INC.** Project: 147 - West Pride STREAM SEDIMENTS Results Plotted By: Dave Obien Area (Grid):_____ Map:_____N.T.S.: _104H/13W Date: July 20 - 1991 Collectors :___ STREAM DATA SEDIMENT DATA Sample Gravel NOTES Number 1100141670 400 elev of Creek south of Isht stip Zech Z 2-8 12" Mod 40 30 30 mod. * 6701 4500 eleu Zech Z 40 40 V 2-8' 61. 20 11H/c - Ĥ ж 1903 @ 9100.147 SOOR Railway 7 70 20 11 $\checkmark$ 8-26 12" 11 10 * 1974 (2) 91 DO 147 5005 + 53m 11 V-2' 4" Slow 40 20 20 ¥ MIX L75 @ 91 00 147 5 007 + 88 m 11 30 10 11 $\checkmark$ 15 10 2-21 Mod * 3 " 576+70 M 11 1925 13 50 30 20 6" $\checkmark$ 2-8' " 11 ¥ 1908 d 1 5031 + 70 m 2109 @ 91 11 5036 Railway 1 Railway 4 70 20 -21 2" 10 high $\checkmark$ 11 ¥ low 50 30 20 V 2-81 12" 11 2 910 Q 91 JM 3051+70 m -z' 4" fast Railwain 2 60 20 20 mix V 6 911 Ve. $\bigcirc$ JM 5060+61M 11 20 -21 4" 80 $\checkmark$ 11 0 nit organic boz. L912 (a)11 JM 5065 + 80 m 20 30 50 low 2-8' 12" $\checkmark$ mod 2913 11 JM 5074 $\overline{\mathcal{V}}$ 2-8' 70 20 10 1611 11 mix L916 FW 5062 Zech 5 $\overline{\phantom{a}}$ 50 30 20 12" 2-8' 11 mod PW 5075+60m - 117 V 2-81 6" 11 60 20 20 11 low * - SAMPLES DENOTED BY ASTERIK WERE DESTROYED IN FIRE AT MIN-EN LABS . . .

1

		NGI SED			IG I	NC.		_	·	$\sim$	NIA/	F-1				·.	
Project:	Westpride 17			Į	Resul	ts Pl	otted	BA: [–]		5-1	0/1			11-			
Area (Grid):				1	Map:			<u></u>		N.	T.S.:		0 <b>4</b> H	/1.9	<u>sw</u>		
Collectors :_	Patti W/ Grant Nagy				Date	<u>```</u>	July_		2	9/9	<u>]</u>						
			SEDI	MENT	DAT	A	$\frac{1}{2}$	TREA	M D	ATA		10					
Sample	NOTES	-	70			anic	×	ive	÷	£	ò_	SINC	۲ ۲				
Number 916-N147.L		Gray	San	Silt	Clay	org	Ban	Act	Wid	Der	ci <	SPF	8 J 6 J				
0930	Gray, Cr. Slows on Bedrock	10	40	40		10		~	2-8'	5-10cm	М						
0931		20	30	30		20		V	11								
0932		30	30	35		5		V	2	5-15cm	н						
0933		60	30	10				4	2'	10cm	M						
0934		10	30	20		40		-	11	10-15	M						
0935		30	40	20		10		$\checkmark$	//	10-20	11						
0436	, (	10	20	70				$\checkmark$	"	5.15	$\checkmark$						
0937	>910W147.1 Gray moved CI Youson Bechock	50	30	20		·		1	//	5-10	M						
0933		25	23	30		20		4	N.	<u> </u>	M						
91-GN-147-	A 500 It ASL. heavy vecetation large ang					· .	steen	V	-8-1-0	10/25	MOD						
L-007	pidro pine proving																
91-C-N-1AT	4480 AtASI / 469 4 - 2nd drawaig down and	50		20		.30		V	12-14	5-15	SLOW						
L-008	-ana, blars: dry craft @ 855 4 (4520 lt ASL).																
	Eller claim limiter STN, 1200N																
91-GN-147-L	4380 Lt ASL - 1970m: dond laff: stude: down wes.	30	10	30		30	STEEP	V	.5-9	5/20	MOD						
009	and bldra.		<b></b>	·													
		ŀ	1	· ·													
71 GN-147-1	afort 4780 pt ASI hearing and i and hidro	10	30	50		10	MaD	2	•5	5-20	MOD						
010	en is fin - energinen , any said	1									·						
								·									
												<u> </u>					
														·			
		I															
		1								1							
		1	<b> </b>	<u> </u>									•				
			ľ														
		1	<b> </b>	·													
	•	1	1	T T	l												1

-----

rea (Grid): ollectors: Sample Number 1/BR  	Not-Zecktoo Mtn. B. RICHARDSON + C. Thompson / D. MEHNER.				Resu	ille Pi	latted	Rv:	Ð	B. R	ICHA	FRDS	oN			
Sample Number 11 BR 2011					Map Date	: :	<u>4 U G</u>	- [[	79	N 	.T.S.:	10	04 H	/13	ω	 
71 BR L 011 C	NOTES	Gravel	SEDI	MEN		Organic Organic	Bonk	ACTER ACTIVE	Width .	ATA 4 0 0	Velo- city	SPRING	DRY GULLY			
	MEAN CT 147 station. 15 near junction of 2creeks/L-OII at West Creek.	/0	60	20	10	· · · · · · · · · · · · · · · · · · ·	·	×	<u>Im</u>	25	M					
1-DM- 5	040 ft ASL; Braided stream ; 900 metres WSW		30	50		20			с Ш	10	SLOW	· ·				
<u>47-L-</u>	of Microwave tower; sample taken on uphill side of road.										·····					
				-												
		 	······					•								
											· ·					 
	*					·								·		 
	,															 

. . . .

Duringh	KEEWATIN E Mester DE - RAILWAY- 7 ETH COFFER STREAM	NGI SED	NE		NG II	NC.			7	Davie		`Rel	AAI				
Area (Grid)					Kesur Map:				*	N	.T.S.:	/0	)4H/	/13w			
Collectors:	PAVE O BRIAN				Date:		<u>ug</u>	1991						10			
<b>.</b> .			SEDI	MENT	T DAT	<u>A</u>		STRE	AM D	ATA		· 0 ·					
Sample Number	NOTES	Gravel	Sand	Silt	Clay	Organi	Bank	Active	<b>S</b> width	S Depth	Velo- city	SPRIN	DRY GULL				
2-1370	east fork of Zetu Crock , 4500 fl ASL																
L-1371	Wast look of Zety Creeks, 4500 ft ASL			_									-				
	/ · · · · · · · · · · · · · · · · · · ·														$\square$	-	
L-1372	4500 1X ASL ; 1590 M south of 1371																
2-1373	4500 ft ASL @ 400 M SSW of 1372															<b> </b>	
751	4630 HASL: 1760 M northwest of Railway 187 LCP. Deemis very "organic"	5		95	·			~	•7	4	Mod						
050	ALTONIAL DOT						. 		1.5		4.04			<u> </u>			
-75d	16 TO FINSE & 2 30 M monthered of Karlway 19 T	<u>, 10</u>	40	, ,					<u>, 15</u>	4	1404.						
953	3980 ft ASL; 1850 M south of Railway 2-6 LCP		20	80				V	0.5	10	Mod.						
											·					·	
954	4000 ft isc; 1490 M-month of Prilway 1#7 LCP.		10	90				V	0.7	2	Mit						
955	4000 ft ASL, 1490 in north of Kailway ) of 7 LCP.		20	60		20		Ľ	0.7	J5	MOD						
956	4050 17 ASI 1270 M 1/11 Park 197100	10	30	30		30			0.7	10	MoD						
	100 print, 1570 M Micap Printing 19 1 CCF.	, <u> </u>								<u> </u>		·					

rea (Grid) ollectors :	D. D'BRIAN	- Map:N.T.S.: <u>104H/13W</u> Date: <u>AUG 1991</u> SEDIMENT DATA															
Sample Number	NOTES	Gravel	SEDI			Organic V	Bank	STRE/	M D Midth	ATA Cepty O	Velo- city	SPRING	סאץ פעווץ				
957	3900 ft ASL, 1370 M NNE of Pailury 197 LCP.		30	50		20		$\checkmark$	·M 0:7	CM B	Men						
159	3800 pt ASL; 1450 M NNE of Kailway H7 LCP		30	30		40		<	0.7	10	Mad					· · · ·	
960	3970 ft ASL: 1450 M NNE of Kailway 147 LCP.		10	<b>8</b> 0		10			0.6	8	MOD						
										· · · ·	 						
						·											
				•			·										
					•												
														·			
				 				<b> </b>			+						F

·····

## APPENDIX V

F4

.

# Rock/Soil/Silt Sample Results

Keewatin Engineering Inc.

Rock Sample Results

Keewatin Engineering Inc.

COMP: KEEWATIN ENGRG. PROJ: 147 ATTN: B.WHELAN/A.MUIRHEAD MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7N 1T2

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

FILE NO: 1S-0812-RJ1 DATE: 91/09/24

• ROCK * (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	- MO PPM	
91 AM 147 R 001 91 AM 147 R 002	9 2	.9 1.3	36 71	10 17	4	22 21	1	1	
91 AM 147 F 003	1	.6	266	15	28	17	1	1	
91 AM 147 R 004 91 AM 147 R 005	4 2	.1 1.5	165 566	14 8	29 7	18 9	1	1 1	
91 AM 147 R 006 91 AM 147 E 007	1	.6	312	15	21	14 13	1	1	
91 AM 147 R 008	1	1.2	1531	14	22	16	ĩ	i	
91 AM 147 C 009 91 AM 147 F 010	4	.1 1.0	125 293	23 15	77 2	41 19	2 1	1 1	
91 AM 147 R 011	1	-4	123	17	94	27	2	1	
91 AM 147 F 012 91 AM 147 R 013	2	.5	70 61	15 12	37 42	19	1	1	
91 SH 147 F 001	24	.7	75	16	62	191	1	1	
91 SH 147 C 002	2	3.7	6803	23	54	126	7	1	and setting and setting a
91 SH 147 C 004	2	1.2	93	17	67	18	1	1	
91 SH 147 C 005	1	1.0	46	17	65 8/	16 18	1	1	
91 SH 147 F 007	1	.8	60	15	65	17	2	1	
91 SH 147 F 008	9	1.2	7137	18	56	15	6	1	
91 SH 147 F 009 91 SH 147 P 010	1	1.5	65 42	10	8 28	15 27	1	1	
91 SH 147 R 011	2	.4	44	21	90	97	3	1	
91 SH 147 R 012	2	.5	62	18	29	44	1	1	
91 SH 147 F 013 91 SH 147 C 014	2	.9 .9	759 1725	12 13	12 13	45 33	1	1	
									······································
					· · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·
[	1								

OMP: KEEWATIN ENGRG. Roj: 147 TTN: B.WHELAN/D.MEHNE	R	M] 705 ₩	EN-EN EST 15TH 9 (604)9	LABS - ST., NORTH 280-5814 (	ICP VANCOUVE DR (604)98	<b>REPOI</b> R, B.C. V 8-4524	RT 17N 1T2		FILE NO: 1S-0402-RJ DATE: 91/08/10 • ROCK * (ACT:F31
SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU	PB PPM	ZN PPM	AS PPM	SB PPM	NO PPM	
91 DO 147R 914 91 DO 147R 915 91 DO 147R 902 91 DC 147R 2072 91 DC 147R 2073 91 DC 147R 2073 91 DC 147R 2073	21 20 1 9 3	.6 .1 1.0 .8	43 985 33 88 108	13 15 5 5	9 9 62 30 23	12 82 1 1	1 1 1 1 1	3 1 1 1	
91 DC 147R 2074 R 907 V	3	.5	85 2231	9 14	59 41	5 8	1	5	
<b></b>									
						- <u></u>	,		
							<u></u>		
		<u> </u>			<u> </u>		<u></u>		
						·			
	1								

COMP: KEEWATIN ENGRG. ATTN: B.WHELAN/D.MEHNER

.

MIN-EN LABS - ICP REPORT

MIN-EN LABS --- ICP REPORT 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 (604)980-5814 OR (604)988-4524 (604)980-5814 OR (604)988-4524

FILE NO: 1S-0170-RJ1 DATE: 91/07/23 * ROCKS * (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	
91-DM 147 R 001 91-JM 147 R 001	1600 1	.5 1.1	5997 81	17 11	65 142	20321 126	34 1	1 1	Ytench H Test pit along Rd
						<u></u>			<u></u>
				···					
						<u></u>			
			<u> </u>	<u></u>					
						<u></u>			
									· · · ·
					<u> </u>				
				- <u>-</u>					
								,	

.

MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 (604)980-5814 OR (604)988-4524 FILE NO: 1S-0208-RJ1 DATE: 91/07/26 * ROCKS * (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM		
91-GN-147 R001 91-GN-147 R002 91-GN-147 R003 91-DM-174 R002 ~ 91-DM-174 R003 ~	1 5 1450 49 4	.1 .1 .2 3.9 .5	49 101 504 9907 72	4 26 6 17 7	74 78 14 18 71	58 11 27065 911 103	1 1 39 16 1	1 2 1 2 1		
91-DM-174 R004 91-DM-174 R005 91-DM-174 R006 91-DM-174 R002 91-JM-147 R003	37 6 1 102 9	8.4 .3 1.7 .1 1.1	19850 198 51 844 29	27 10 31 8 9	58 70 110 14 16	630 19 151 2405 57	22 1 1 3 2	1 1 56 1 7		
91-JM-147 R004 91-JM-147 R005 91-JM-147 R006 91-JM-147 R007	4 10 19 1000	.5 .6 14.1 .1	51 49 36040 516	9 8 34 1	31 8 73 27	23 130 46 5751	1 1 34 1	1 3 1 1		
				<del>,</del>				eedmedrike vi	<u> </u>	

COMP: KEEWATIN ENGRG. PROJ: 147 ATTN: BONNIE WHELAN/DAVE MEHNER

Ł

MIN-EN LABS --- ICP REPORT

FILE NO: 1S-0649-RJ1 DATE: 91/09/07 • ROCK • (ACT:F31)

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 (604)980-5814 OR (604)988-4524

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	NO PPM		
91 BR 147 R 001	2	.7	160	15	69	19	4	4		
									 · · · · · · · ·	
								<u></u>	 	
	-									
	-									
									······································	
									 <u></u>	
	· · · · · ·			<u> </u>					 	



SPECIALISTS IN MINERAL ENVIRONMENTS CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS VANCOUVER OFFICE: 705 WEST 15TH STREET NORTH VANCOUVER BC CANADA VZ

NORTH VANCOUVER, B.C. CANADA V7M 1T2 TELEPHONE (604) 980-5814 OR (604) 988-4524 FAX (604) 980-9621

SMITHERS LAB.: 3176 TATLOW ROAD SMITHERS, B.C. CANADA VOJ 2NO TELEPHONE (604) 847-3004 FAX (604) 847-3005

### <u>Assay Certificate</u>

Company: KEEWATIN ENGRG. Project: 147 WESTPRIDE Attn: B.WHELAN/D.MEHNER Date: JUL-26-91 Copy 1. KEEWATIN ENGRG., VANCOUVER, B.C. 2. KEEWATIN ENGRG., C/O SMITHERS EXP. 3. KEEWATIN ENGRG., C/O MIN-EN LABS.

He hereby certify the following Assay of 2 ROCK samples submitted JUL-22-91 by D.MEHNER.

Sample	*AU	*AU	
Number	g/tonne	oz/ton	
91-GN-147 R003	1.69	.049	
91-JM-147 R007	.98	.029	

*AU - 1 ASSAY TON.

Certified by

MIN-EN LABORATORIES

#### 1S-0208-RA1



SPECIALISTS IN MINERAL ENVIRONMENTS CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS VANCOUVER OFFICE: 705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2 TELEPHONE (604) 980-5814 OR (604) 988-4524 FAX (604) 980-9621

SMITHERS LAB.: 3176 TATLOW ROAD SMITHERS, B.C. CANADA VOJ 2NO TELEPHONE (604) 847-3004 FAX (604) 847-3005

#### Assay Certificate

Company: KEEWATIN ENGRG. Project: 147 WESTPRIDE Attn: B.WHELAN/D.MEHNER 1S-0170-RA1

Date: JUL-23-91 Copy 1. KEEWATIN ENGRG., VANCOUVER, B.C. 2. KEEWATIN ENGRG., C/O SMITHERS EXP. 3. KEEWATIN ENGRG., C/O MIN-EN LABS.

He hereby certify the following Assay of 1 ROCK samples submitted JUL-19-91 by D.MEHNER.

Sample	¥AU	¥AU	
Number	g/tonne	oz/ton	
91 DM 147 R 001	1.62	.047	

*AU - 1 ASSAY TON.

Certified by MIN-EN LABORATORIES

Soil Sample Results

•

.

.

۴

٠

.

.

#### MIN-EN LABS - ICP REPORT

FILE NO: 15-0456-SJ2+3 DATE: 91/08/21 • SOIL • (ACT:F31)

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 (604)980-5814 OR (604)988-4524

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	
91 PW 147 S 100	2	.1	86 38	22	66 03	24	1	1	
91 PW 147 S 102	4	.5	58	16	79	.5	i	i	
91 PW 147 S 103	2	.3	32	18	89	5	1	1	
91 PW 147 S 104	2	.9	36	15	99	1	1	1	
91 PW 147 S 105	1 1	.6	28	24	95	1	1	1	
91 PW 147 S 106	5	./	94 51	15	/6 73	0	1	1	
91 PW 147 S 108	Ż	.5	68	17	80	5	i	1	
91 PW 147 S 109	3	.9	86	10	85	1	1	1	
91 PW 147 S 110	2	1.1	73	14	104	1	1	1	
91 PW 147 S 112	1	.6	99 07	14	76	1	1	1	
91 PW 147 S 113	3	.9	72	12	89	1	1	1	
91 PW 147 S 115	2	.5	19	22	84	1	1	1	
91 PW 147 S 116	2	.5	89	12	64	1	1	1	
91 PW 147 S 117	3	.5	31	22	<u>91</u>	8	1	1	
91 PW 147 S 118	2	.8	71	12	77	1	1	1	
91 PW 147 S 120	1	.5	27	18	99	1	1	1	
91 PW 147 S 121	4	1.3	56	15	128	1	1	1	
91 PW 147 S 122	3	1.2	84	11	105	3	1	i	
91 PW 147 S 123	2	1.2	30	10	89	1	1	1	
91 PW 147 S 124	2	.7	21	17 10	100 87	1	1	1	
01 DU 1/7 C 125					0/			<u>,</u>	
91 PW 147 S 120	2	.8	34	14	94 95	1	1	1	
91 PW 147 S 128	1	.2	29	17	98	3	i	1	
91 PW 147 S 129	2	.6	59	11	78	1	1	1	
91 PW 147 S 130	2	.6	65		83	10	1	1	······································
91 PW 147 S 131	3	.6	21	26	101	1	1	1	
91 CT 147 S 001	3	.3	130	13	74	31	1	1	
91 CT 147 S 002	2	.9	181	8	90	20	1	1	
91 CT 147 S 003	3	.1	95	15	76	17	1	1	······
91 CT 147 S 004	1	.2	69	16	93	17	1	1	
91 CT 147 S 005	2	.3	49	17	85 110	12	1	1	
91 CT 147 S 000	, Š	.4	55	21	129	25	i	j	
91 CT 147 S 008	3	.9	104	13	117	9	1	1	
91 CT 147 S 009	6	.2	28	18	87	7	1	1	
91 CT 147 S 010	2	.9	26	14	98	1	1	1	
91 CT 147 S 011	4	.4	30	18	82	3	1	1	
91 CT 147 S 013	16	.1	149	17	146	18	1	1	
91 CT 147 S 014	4	1.4	99	13	214	33	1	2	
91 CT 147 S 015	5	.4	108	12	118	11	1	1	
91 CT 147 S 016		.7	47	10	102	7	1	1	
91 CT 147 S 018	6	.8	24	16	97	1	i	1	
91 CT 147 S 019	1	.5	26	12	98	10	1	1	
91 CT 147 S 020	Ż	.8	36	13	88	1	i	1	
91 CT 147 S 021	2	.9	51	15	82	3	1	1	
91 CT 147 S 022	39	.8	22 71	18	63 83	y 4	1	1	
91 CT 147 S 024		1 0		17	197	<u> </u>	· <u>·</u>		
91 CT 147 S 025	1	.7	34	11	91	5	i	1	
91 CT 147 S 026	4	.1	49	10	103	2	1	1	
91 CT 147 S 027	2	.1	50	14	60 40	7	1	1	
j 71 CI 147 3 U20	1 4	. (	20	10	00	1	+	1	

.

*r* .

. .

#### MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 (604)980-5814 OR (604)988-4524

FILE NO: 1S-0456-SJ4 DATE: 91/08/21 • SOIL • (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM		
91 CT 147 S 029 91 CT 147 S 030 91 CT 147 S 031 91 CT 147 S 031 91 CT 147 S 032 91 CT 147 S 033	3 5 1 4 2	.3 .9 1.0 1.3 .8	41 37 33 33 26	16 19 13 11 14	75 124 79 90 91	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1		
91 CT 147 S 034 91 CT 147 S 035 91 CT 147 S 035 91 CT 147 S 036 91 CT 147 S 037 91 CT 147 S 038	2 3 3 1 2	1.0 .5 1.0 .4 .1	49 48 70 43 53	7 15 15 12 14	76 84 65 117 67	1 10 1 1 18	1 1 1 1 1	1 1 1 1 1		
						<u>, ,,,,,,,,</u> ,,,,,,,,,,,,,,,,,,,,,,,,,,,				
									-	

,

#### MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 (604)980-5814 OR (604)988-4524 FILE NO: 1S-0276-SJ1+2 DATE: 91/08/02 • SOIL • (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	
91 DO 147 036	2		26	20	82	1	1	1	
91 DO 147 037	2	.1	36	13	78	7	i	1	
91 FD 147 038	1	.2	14	19	72	1	1	1	
91 DO 147 039 91 DO 147 040	3 2	.3 .2	57 46	18	61 61	1 4	1	1	
91 DO 147 041	6	.2	25	13	84	3	1	1	
91 DO 147 042	ĩ	.1	48	16	85	8	i	1	
91 DO 147 043	1	.1	33	15	64	4	1	1	
91 DO 147 044 91 DO 147 045	3	.1	25 43	10	53 63	8	1	1	
91 DO 147 046	2	.2	18	17	89	3	1	1	
91 DO 147 047	1	.2	23	15	61	5	1	1	
91 DO 147 048	2	.2	26	19	70	10	1	1	
91 DO 147 050		.2	48	17	69	14	1	1	
91 DO 147 051	2	.1	43	12	84	9	1	1	······
91 DO 147 052	1	.1	30	19	103	1	1	1	
91 DO 147 053	2	.1	67 75	16	80 07	4	1	1	
91 JM 147 013	3	.5	35	19	93 77	22	1	9	
91 JM 147 014	2	.2	29	12	72	16	1	5	
91 JM 147 015	Ĩ	.2	145	17	52	18	1	1	
91 JM 147 016	2	.1	531	18	73	3	1	1	
91 JM 147 017 91 JM 147 018	2	.7	52 37	15	65	7	1	2	
91 JM 147 019	1	.4	28	13	53	1	1	1	·····
91 JM 147 020	2	.5	22	15	58	4	1	1	
91 JM 147 021	2	.6	39	16	68	1	1	1	
91 JM 147 023	1	.4	28	12	51	1	1	1	
91 JM 147 024	4	.4	25	20	155	1	1	1	<u></u>
91 JM 147 025	1	.6	25	16	96	9	1	1	
91 JM 147 026	2	1.2	45	23	94 49	1	1	1	
91 JM 147 028	5	.7	23	28	104	1	1	1	
91 JM 147 029	1	.3	35	18	115	1	1	1	
91 JM 147 030	3	.2	42	28	95	1	1	1	
91 JM 147 031 91 JM 147 032	12	ל. ד	19 10	16 16	80 81	2	1	1	
91 JM 147 033	2	.1	29	19	70	1	1	1	
91 JM 147 034	2	.5	40	10	52	1	1	2	
91 JM 147 035	7	.6	33	26	135	8	1	2	
91 JM 147 038	1	1.5	15	23	92	6	1	1	
						-			
									<u></u>
			. <u> </u>		<u>_</u>			w	<u></u>

MIN-EN LABS - ICP REPORT

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

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

FILE NO: 1S-0237-SJ1+2 DATE: 91/07/31 • SOIL • (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM		
91FD 147 001	10	.5	202	8	91	8	1	1		
91FD 147 002	4	.6	180	27	75	403	4	1		
91FD 147 003	2	1.0	98	20	67	18	1	1		
91FD 147 004	3	.9	99	18	69	10	1	1		
91FD 147 005	<u> </u>	.8	110	20	193	1	1	1		
91FD 147 006	22	.1	277	14	49	36	1	1		
91FD 147 007	3	.9	40	12	51	6	1	4		
91FD 147 008		د. ۲	21 75	19	141	1	1	1		
91FD 147 010	4	.1	304	19	93	18	i	ż		
01ED 1/7 011	5	0	54	14	16/	1	1	1		
91FD 147 012	2	.7	53	12	104	1	1	i		
91FD 147 013	1	.1	69	14	59	1	1	1		
91FD 147 014	6	.3	249	31	114	1	1	2		
91FD 147 015	7	.2	102	32	189	1	1	1		
91FD 147 016	2	.5	43	17	152	1	1	1		
91FD 147 017	4	.1	75	11	105	1	1	1		
91FD 147 018	5	.2	50	18	119	1	1	1		
91FD 147 019	27	.5	22	14	129	1	1	1		
0150 1/7 021			47/	10		43		4	······	
91FD 147 021	10	.4	130	10	106	12	1	1		
91FD 147 024	3	.6	59	14	141	1	i	1		
91FD 147 025	12	.3	102	16	119	1	1	i		
91FD 147 026	2	.1	123	16	97	24	1	1		
91FD 147 027	1	.4	48	15	116	1	1	1		
91FD 147 029	3	.4	57	22	119	1	1	2		
91FD 147 030	1	.4	130	12	120	1	1	1		
91FD 147 031	1	.6	52	15	177	1	1	1		
91FD 147 US2	2	.1	112	25	120	1	1	1		
91FD 147 034	18	.6	151	17	145	1	1	2		
91FD 147 035	2	.5	126	15	121	3	1	1		
91FD 147 036	10	.1	116	16	111	1	1	1		
91FD 147 039	2	.1	138	36	104	76	1	i		
91FD 147 040	5	. 1	158	16	110	52	1	2		
91FD 147 042	2	.5	39	21	218	1	i	1		
91FD 147 045	4	.4	30	14	115	1	1	1		
91FD 147 046	2	.1	14	13	77	1	1	1		
91FD 147 047	3	.8	39	14	48	1	1	1		
91FD 147 048	16	.3	48	20	124	1	1	1		
91FD 147 049	4	.1	40	15	75	1	1	1		
91FD 147 050	0	./	20	10	00 8/	1	1	1		
91FD 147 052	3	.1	35	20	104	1	1	1		
01FD 1/7 053		1	40	15	07	4	4	1		
91FD 147 055	2	1.1	115	16	68	1	1	1		
91FD 147 055	ż	.9	103	14	81	1	1	1		
									·····	
						•				
1	1									

MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 (604)980-5814 OR (604)988-4524 FILE NO: 1S-0237-SJ3+4 DATE: 91/07/31 * SOIL * (ACT:F31)

SAMPLE	AU-FIRE	AG	CU	PB PPM	ZN	AS PPM	SB . PPM	MO	
91FD 147 056	1	.1	53	18	81	1	1	1	
91FD 147 057	4	.7	78	17	92	1	1	1	
91FD 147 058	5	.1	52	27	108	1	1	1	
91FD 147 060	2	.1	31	15	79	1	1	1	
91FD 147 061	3	.1	59	12	90	1	1	1	
91FD 147 062 91FD 147 063	2	.5	54 91	15	100	1	1	1	
91FD 147 064	1	.1	54	21	111	1	1	1	
91FD 147 065	1	.4	104	30	100	1	1	······	
91FD 147 067	2	.9	48	13	97	1	1	1	
91PW 147 001	7	.1	55	13	69	2	1	1	
91PW 147 002 91PW 147 003	2	.5	58 32	8 15	162 71	1	1	1	
91PW 147 004	3	.4	36	21	132	1	1	1	
91PW 147 005	1	.4	33	17	84	1	1	1	
91PW 147 006 91PW 147 007	5	.2	59 45	11 16	69 115	1	1	1	
91PW 147 009	2	.4	39	15	111	1	1	1	
91PW 147 010	2	.4	55	6	81	1	1	1	
91PW 147 011 91PW 147 012	6	.1	122	6 28	73 11 <b>3</b>	18	1	1	
91PW 147 013	3	.1	162	11	88	22	1	1	
91PW 147 014	16	.2	119	1/	47	20			
91PW 147 015 91PW 147 016	22	.1	197	14 12	59 75	53 23	1	3 2	
91PW 147 017	9	.2	147	20	274	1	1	1	
91PW 147 018 91PW 147 019	3   15	.2	122	14 13	115 74	1 13	1	1	
91PW 147 020	4		120	15	93	8	1	1	
91PW 147 021	2	.1	68	10	70	4	1	1	
91PW 147 022 91PW 147 023	3	.1	111 121	17 10	70 86	1	1	1	
91PW 147 024	16	1	53	13	85	1	1	1	
91PW 147 025	9	.1	51	10	76	1	1	1	
91PW 147 026 91PW 147 027	27	.4	35 55	16	105	1 <b>1</b>	1	1	
91PW 147 028	18	.2	48	11	101	1	1	1	
91PW 147 029	4		50	13	105	15	1		
91PW 147 030	13	2.2	40 54	3	95	1	1	1	
91PW 147 032	3	.1	72	12	191	1	1	1	
91PW 147 055	2	.4	63	10	105	1	1	1	
		<u> </u>							

### MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 (604)980-5814 OR (604)988-4524 FILE NO: 1S-0237-SJ5+6 DATE: 91/08/01 * SOIL • (ACT:F31)

SAMPLE	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	
91PW 147 034	1	.5	- 98	11	99	1	1	1	 
91PW 147 035	2	.3	48 53	11	99 102	1	1	1	
91PW 147 038	10	.1	195	18	71	24	1	2	
91PW 147 039	12	.1	112	31	234	17	1	1	 
91PW 147 040	1	.4	43	18	186	1	1	1	
91PW 147 041	3	.1	124	16	123	1	1	1	
91PW 147 043	1	.1	75	17	142	1	1	1	
91PW 147 044	7	.(	4/ E/		104				 
91PW 147 045	21	.1	54 31	9	106	1	i	1	
91PW 147 047	12	.1	42	11	101	1	1	1	
91PW 147 048	24	- 4	48	22	172	1	1	1	
91PW 147 050	4	.5	172	26	143	1	1	1	
91PW 147 051	19	.1	110	20	95 217	1	1	1	
91PW 147 052	2	.1	239 76	21	213 99	17	1	5	
91D0 147 001	13	.3	48	13	96	1	1	1	 
9100 147 002	3	.9	99 70	1	100	1	1	1	
9100 147 003 9100 147 004	8	-1 -4	50 76	18	61 99	3	1	1	
91D0 147 005	2	1.4	107	13	136	1	1	1	
9100 147 006	1	1.1	51	10	70	1			·····
9100 147 007 9100 147 008		.8 .5	70 422	10 13	96 94	27	1	1	
91D0 147 009	3	.7	158	15	89	17	1	1	
9100 147 010 9100 147 011	1	.4 1.6	69 40	6	73	4	1	1	
91D0 147 012	18	.7	295	16	101	1	1	1	
9100 147 013	10	.2	104	13	90	1	1	1	
91D0 147 014	1	.4	110	9	87	1	i	1	
91D0 147 016	1	1.3	56	6	119	1	1	1	 
91D0 147 017	2	1.1	39	17	95 66	1	1	1	
9100 147 019 9100 147 020	2	.2	57	12	82	1	1	1	
91D0 147 021	5	.7	60 25	19 7	78	1	1	1	
9100 147 023	12	.0	<u> </u>	10	110	<u> </u>	1	1	 
91D0 147 025	2	.1	46	11	83	i	i	1	
9100 147 026		1.0	76 3/3	3 20	87 104	1	1	1	
91D0 147 028	2	1.5	35	12	109	i	i	i	
				······	· · · · · · · · · · · · · · · · · · ·				 
1	1								

.

.

.

MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 (604)980-5814 OR (604)988-4524 FILE NO: 1S-0237-SJ7 DATE: 91/08/01 * SOIL * (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM			
91D0 147 029 91D0 147 030 91D0 147 032 91D0 147 032 91D0 147 033 91D0 147 034	2 5 2 4	.5 .4 .7 .4	63 33 93 18 97	11 8 13 10 35	75 70 57 54 98	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1			
						. <u></u>					
										<u> </u>	
			<u> </u>								<u> </u>
									<u></u>		

,

#### MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 (604)980-5814 OR (604)988-4524 FILE NO: 1S-0321-SJ2 DATE: 91/08/09 • SOIL • (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM		
DO-147-S073	1	.4	166	11	70	13	1	1		
		•								
							····		_ <u></u>	
										·
	/ ·								<u> </u>	
					<u> </u>					<u> </u>
				<u></u>					<u>,</u>	

#### MIN-EN LABS - ICP REPORT

FILE NO: 15-0384-SJ1+2 DATE: 91/08/15 • SOIL • (ACT:F31)

#### 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 (604)980-5814 OR (604)988-4524

SAMPLE	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	NO PPM	
91 MB 1475 001	2	.1	81	17	95	27	1	1	
91 MB 1475 002	2	.4	77	14	80	15	1	1	
91 MB 1475 003	1	.3	52	17	80	12	1	1	
91 MB 1475 004	2	.5	52	14	137	8	1	1	
91 MB 147S 005	1	.4	56		95	15	1	1	
91 MB 1475 006	3	.6	37	11	87	14	1	1	
91 MB 147S 007	2	.1	156	13	109	49	1	1	
91 MB 1475 000	4	./	AA	11	105	<u>ح</u>	1	1	
91 MB 1475 010	1	.3	35	14	95	5	1	1	
01 MR 1/75 011	7	7	42	10	8/	2	1	4	
91 MB 1475 012	2	.7	71	8	81	15	1	i	
91 MB 147S 013	1	.2	70	13	83	13	1	1	
91 MB 147S 014	2	.5	57	11	83	6	1	1	
91 MB 147S 015	2	1	88	9	66	23	1	1	
91 MB 147S 016	1	.2	61	11	93	14	1	1	
91 MB 147S 017	4	.5	157	18	74	24	1	1	
91 MB 1475 U18	2	1.1	50	10	41	10	1	1	
91 MR 1475 020	1	.1	31	10	70	8	1	1	
01 80 1/70 021				12	102		4		
91 MB 1475 021 91 MB 1475 022	2		/4 65	12	70	10	1	1	
91 MB 1475 023	1	.2	77	18	66	13	1	ż	
91 MB 1475 024	1	.3	86	21	121	11	1	ī	
91 MB 147S 025 A	2	.2	93	9	79	16	1	1	
91 MB 147S 025 B	2	.1	78	13	58	13	1	1	
91 MB 147S 026	4	.5	75	11	95	15	1	1	
91 MB 1475 027	3	.1	78	9	65	21	1	1	
91 MB 147S U28	1	.1	121	14	85	32	1	1	
91 MD 1475 029	2		121						
91 MB 147S 030	3	.1	92	17	70	34	1	1	
91 HB 1475 031	2		140	15	22 61	52	1	2	
91 MB 1475 033	5	.7	180	11	66	37	i	1	
91 MB 147S 034	8	.3	101	17	79	12	1	1	
91 MB 147S 035	2	.1	68	32	96	8	1	1	
91 MB 147S 036	1	.3	67	21	94	14	1	1	
91 MB 147S 037	2	.2	76	15	80	13	1	1	
91 MB 147S 038	3	.6	227	30	75	40	1	1	
91 MB 1475 039	1		124		120	<u> </u>		4	
91 MB 147S 040	1	.2	86	15	116	7	1	1	
91 MB 1475 041 01 MR 1475 042	2	.3	43 67	10	00	4 8	1	1	
91 MB 1475 043	1	.1	87	13	72	3	1	1	
91 MB 1475 044	2	.1	135	11	36	37	1	3	
91 MB 147S 045	1	.6	120	14	91	1	1	1	
91 MB 1475 046	i i	.6	92	11	70	11	1	1	
91 MB 1475 047	17	.3	140	16	62	59	1	12	
91 MB 1475 048	2	.1	59	11	63	13	1	1	
91 MB 14/5 049	>	•1	129		110		I		<u></u>
91 MB 1475 050	2	.7	82	12	86	16	1	1	
91 75 14/5 UD1 01 Mg 1476 052		-0 1	04 31	14 17	70 87	10	1	5 1	
91 MB 1475 053	3	.1	64	13	91	4	1	1	
91 MB 147S 054	1	.1	54	16	99	1	1	1	
91 MB 147S 055	2	.3	51	10	97	2	1	1	
91 MB 1475 056	2	.9	66	14	83	1	i	1	
91 MB 1475 057	4	.6	91	6	96	15	1	1	
91 MB 1475 058	2	.5	76	10	94	6	1	1	
91 MB 147S 059	1	.7	49	11	67	2	1	1	

COMP: KEEWATIN ENGRG. PROJ: 147

.

ATTN: B.WHELAN/D.MEHNER

MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 (604)980-5814 OR (604)988-4524 FILE NO: 1S-0384-SJ3+4 DATE: 91/08/15 * SOIL * (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	
91 MB 1475 060	1	.2	45	18	107	1	1	1	
91 MB 147S 061	2	.3	33	17	163	8	1	1	
91 MB 147S 062	1	.3	40	18	104	1	1	1	
91 MB 147S 063	4	.1	52	28	76	4	1		
91 BK 1475 5000 001	3	.0	65	10		10			······································
91 BR 147S 5000 002		.1	75	20	79	10	1	1	
91 BK 1475 5000 003	2	••	48	10	76 80	1	1		
91 BR 1475 5000 005	2	.5	34	15	119	1	1	i	
91 BR 147S 5000 006	1	.8	35	12	93	1	1	1	
91 BR 147S 5000 007	2	.6	35	11	87	1	1	1	
91 BR 147S 5000 008	3	.9	28	6	73	1	1	1	
91 BR 147S 5000 009	2	.6	46	6	78	1	1	1	
91 BR 147S 5000 010	2	.1	41	.7	75	1	1	1	
91 BR 1475 5000 011	0	.0		1/	100				
91 BR 147S 5000 012	1	1.0	41	8	100	1	1	1	
91 BR 1475 5000 015	2	.4	41	19	00 77	1	1	1	
91 BR 1475 5000 015	3	.1	78	14	70	3	1	i	
91 BR 147S 5000 016	2	.8	44	9	84	1	1	1	
91 BR 147S 5000 017	2	.1	70	16	67	6	1	1	
91 BR 147S 5000 018	1	.2	42	15	65	1	1	1	
91 BR 147S 5000 019	2	.1	93	9	70	16	1	1	
91 BR 147S 5000 020	1	.6	44	10	85	12	1	1	
91 BR 1475 5000 021	5	.0	60	14	91		1	1	
91 BR 147S 5000 022	3	.4	67	13	90	18	1	1	
91 BR 1475 5000 023	1	.4	56 2/	14	151	1	1	1	
91 BR 1475 5000 024	1	.5	32	18	77	1	1	1	
91 BR 1475 5000 026	ż	.4	103	10	69	13	i	i	
91 DC 1475 5000 021	2	.1	82	8	83	11	1	1	
91 DC 147S 5000 022	i ī	.5	34	13	83	1	1	1	
91 DC 147S 5000 023	2	.1	72	11	63	1	1	1	
91 DC 1475 5000 024	1	.4	46	12	88	1	1	1	
91 DC 1475 5000 025	2	.>	50	10	<u> </u>	1	1	1	
91 DC 147S 5000 026	3	.3	47	6	81	1	1	1	
91 DC 1475 5000 027	2	.1	62 53	6	73 72	1	1	1	
91 DC 147S 5000 028	1	.3	71	11	78	1	i	1	
91 DC 147S 5000 030	1	.4	68	10	82	1	1	1	
91 DC 147S 5000 031	1	.3	35	11	119	6	1	1	
91 DC 147S 5000 032	2	.1	182	35	144	57	1	1	
91 DC 147S 5000 033	1	.4	38	11	114	1	1	1	
91 DC 147S 5000 034	5	.1	63	11	62	1	1	1	
91 DC 14/S 5000 055	<u> </u>	.1	40	15	110		1	1	
91 DC 147S 5000 036	3	.1	135	25	414	18	4	6	
91 0C 1475 5000 037	6	1.1 2	55 / 1	25 18	00 52	11 20	1	2	
91 DC 147S 5000 039	2	1.0	19	20	79	14	1	1	
91 DC 1475 5000 040	1	.6	30	14	54	13	1	1	
91 JM 1475 CL 001	2	.6	26	21	81	39	1	10	
91 JM 1475 CL 002	1	.6	29	19	90	20	1	2	
91 JM 1475 CL 003	3	.9	24	16	96	17	1	1	
91 JM 1475 CL 004	2	1.0	33	22	101	18	1	1	
71 JH 14/5 LL UUD	۷	2.0	10		10		d	<u> </u>	
91 JM 1475 CL 006	1	.7	28	18	80 57	27	1	3	
91 JM 1475 CL UU7		./7	40 36	23 25	57 100	24 24	1	ר ד	
91 JM 1475 CL 009	2	.8	25	21	127	22	1	3	
91 JM 1475 CL 010	<u> </u>	.6	31	24	85	82	1	10	

COMP< KEEWATIN ENGRG. PROJ: 147 ATTN: B.WHELAN/D.MEHNER MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 (604)980-5814 OR (604)988-4524 FILE NO: 1S-0384-SJ5 DATE: 91/08/15 * SOIL * (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU	PB PPM	ZN PPM	AS PPM	SB . PPM	MO PPM	 
91 JM 147S CL 011 91 JM 147S CL 012 91 JM 147S 038 91 JM 147S 039 91 JM 147S 040	3 1 1 1 1	.3 .1 .1 .5 .2	28 35 17 39 29	21 16 12 16 20	122 62 63 58 108	33 15 1 12 9	1 1 1 1 1	7 3 2 3 1	
91 JM 1475 041 91 JM 1475 042 91 JM 1475 043 91 JM 1475 043 91 JM 1475 044	1 1 1 1	.3 .6 .7 .5	35 33 97 45	9 14 25 17	102 83 122 69	1 1 9 5	1 1 1	1 1 1 1	 
91 JH 1475 045 91 JH 1475 048 91 JH 1475 049	2	4 1	57 164	28 20	132 55	105 37	1	1	 
						<u> </u>	<u> </u>		 
							•=		 
						<u></u>			 
COMP: KEEWATIN ENGRG. PROJ: 147

MIN-EN LABS - ICP REPORT

ATTN: B.WHELAN/D.MEHNER

-

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 (604)980-5814 OR (604)988-4524

FILE NO: 15-0386-SJ2 DATE: 91/08/15 • SOIL • (ACT:F31)

_

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	NO PPN	
91 DC 147S 4500' 01 91 DC 147S 4500' 02	1 7	.1 .4	.50 34	12 15	115 84	4 1	1 1	1	
91 DC 147S 4500' 03 91 DC 147S 4500' 04 91 DC 147S 4500' 04	4	.2 .6	51 35 74	11 13 21	84 299 126	3 1 7	1	1	
91 DC 147S 4500' 05 91 DC 147S 4500' 06 91 DC 147S 4500' 06	9	.5	<u>36</u>	21	162	1	1	1	
91 DC 1475 4500' 07 91 DC 1475 4500' 08 91 DC 1475 4500' 09	2	.1 .7 .9	27 24 38	22 19 14	244 247 168	3 1 1	1	1	
91 DC 147S 4500' 10 91 DC 147S 4500' 11	1	.5	25	15	193	1	1	1	
91 DC 147S 4500' 12 91 DC 147S 4500' 13	3	1.0	22 33	12 16	208 221	1	1	1	
91 DC 147S 4500' 14 91 DC 147S 4500' 15	3	1.0 7	35 32	12 9	141 149	1	1	1	
91 DC 147S 4500' 16 91 DC 147S 4500' 17 91 DC 147S 4500' 17	1 7 2	.6 .9	29 103	14 12	186 164	1 33	1	1 3 1	
91 DC 1475 4500' 19 91 DC 1475 4500' 19 91 DC 1475 4500' 20	1	1.2	90 24	13 15	81 111	6 1	1	1	
						···············			
			· <u></u>						
						•			
[									

COMP: KEEWATIN ENGRG. PROJ: 147 WEST PRIDE ATTN: B.WHELAN/E.OLFERT

*

•

## MIN-EN LABS - ICP REPORT

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

.

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

FILE NO: 1S-0344-SJ1+2 DATE: 91/08/13 * SOIL * (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	
91BR 147S 036	1	.1	42	18	91	6	1	1	
91BR 147S 037	2	.3	73	23	88	11	1	1	
91BR 147S 038	2	.4	39	17	72	9	1	1	
91BR 147S 039 91BP 147S 040	1	.1	40 24	14 15	84 76	1	1	1	
91BR 1473 040									
91BR 1475 041	4	1.1	83 61	16 18	108	12	1	1	
91BR 147S 043	3	.8	124	63	62	19	i	16	
91BR 147S 044	2	.6	83	17	92	2	1	1	
91BR 147S 045	2	.3	65	15	81	1	1	1	
91BR 147S 046	1	.1	30	11	70	1	1	1	
918R 147S 047	2	.2	24	9	74	1	1	1	
91BR 1475 040	2	1.1	35	9	38	7	1	1	
91BR 147S 050	1	1.1	90	12	134	9	1	1	
91BR 147S 051	3	.6	122	15	79	12	1	1	
91BR 147S 052	2	.7	93	12	83	4	1	1	
91BR 147S 053	2	.6	129	10	87	9	1	1	
91BR 147S 054	2	.4	170	14	91 75	15	1	1	
918R 1473 033				10					
918R 14/S 050	1	.1	38 40	15	95 77	11	1	1	
91BR 147S 058	2	.2	71	13	70	8	1	• 1	
91BR 147S 059	3	.1	42	13	55	13	1	1	
91BR 147S 060	1	.1	43	17	51	6	1	1	
91PW 147S 062	2	.3	39	9	77	2	1	1	
91PW 147S 063	1	.5	34	12	93	3	1	1	
91PW 1475 065	2 1	.0	27	16	144	2	1	1	
91PW 147S 066	ż	.6	30	.9	68	4	i	1	
91PW 147S 067	2	1.7	30	26	167	1	1	1	
91PW 147S 068	1	.9	20	20	107	1	1	1	
91PW 147S 069	1	.8	29	17	67	4	1	1	
91PW 1475 070 91PW 1475 071	2	1.2	20 30	19	87 58	12	1	1	
0100 1/76 077			54	18		11			
91PW 147S 072	1	.0	29	18	93	3	1	1	
91PW 147S 074	4	.6	27	19	106	1	1	1	
91PW 147S 075	1	.6	80	15	71	10	1	1	
91PW 147\$ 076	2	.>	99	11	(9	14	1	1	
91PW 147S 077	2	.4	60 77	16	61	13	1	1	
91PW 14/5 0/0	2	.1	55 71	14	56	8	1	1	
91PW 147S 080	3	.1	49	20	60	19	i	1	
91PW 147S 081	2	.4	38	19	86	1	1	1	
91PW 147S 082	2	.2	34	14	48	15	1	1	
91PW 147S 083	2	.1	31	15	65	2	1	1	
91PW 147S 084	1	1.2	19	22	152	1	1	1	
91JM 1475 046	в 1	.9	45	17	98	9	1	1	
01 H 1/75 0/7	1	5	30	18	84	17	4	2	
91JH 1475 050	2	.3	16	12	44	5	1	1	
91JM 147S 051	1	1.3	60	31	96	1	1	1	
91JH 147S 052	1	1.1	143	28	146	1	1	1	
91JM 147S 054	2	.8	53	14	69	20	1	1	
91JN 1475 055	2	.5	33	17	66 7/	9	1	1	
91JH 1475 050 91JH 1475 057	1	1.0	20 24	12	78 78	ے 1	1	1	
91JM 147S 058	2	.5	53	15	79	4	i	3	÷
91JH 1475 059	1	.7	34	9	53	14	1	1	

COMP: KEEWATIN ENGRG. PROJ: 147 WEST PRIDE ATTN: B.WHELAN/E.OLFERT MIN-EN LABS - ICP REPORT

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

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

FILE NO: 1S-0344-SJ3 DATE: 91/08/13 • SOIL • (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	
91JM 147S 060 91JM 147S 061 91JM 147S 062 91JM 147S 063	1 1 2 1	.8 1.0 .8 1.0	39 94 33 23	23 12 16 15	69 78 106 88	12 8 6 5	1 1 1 1	1 1 1 1	 
91JN 1475 064 91JN 1475 065 91JN 1475 066 91JN 1475 067	3 1 2 1	.5 .6 .4	20 28 48 56	14 15 14 14	95 88 61 81	4 6 13 4	1 1 1 1	1 1 1 1	 
91JM 147S 068 91JM 147S 069 91JM 147S 070	2 2 1	.6 .8 .6	48   20	12 17 14	90 84 94	4 1 1	1 1 1	1 2 1	 
91JM 147S 071 91JM 147S 072 91JM 147S 073 91JM 147S 075	2 1 1 2	1.0 .8 1.1 .5	39 35 54 40	14 15 13 12	79 68 89 79	10 12 12 1	1 1 1 1	1 1 1	
	-								
						<u></u>			 
						<u> </u>			 

.....

COMP: KEEWATIN ENGRG.MIN-EN LABS --- ICP REPORTFILE NO: 1S-0536-SJ1+2PROJ: WEST PRIDE 147705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2DATE: 91/08/29ATTN: B.WHELAN/D.MEHNER(604)980-5814 OR (604)988-4524• SOIL • (ACT:F31)

THE DIWICERRYDINEINER			(004))	00-3014-0		0-4724			3015	(ACT 1731)
SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM		
GN 1475 L300W 100N	117	.3	626	22	109	1883	1	1		
GN 1475 L300W 080N	6	.2	163	17	92	240	1	1		
GN 1475 L300W 060N	2	1.0	40 65	18 26	106	30 50	1	1		
GN 1475 L300W 020N	ī	1.0	94	24	213	38	i	i		
GN 1475 L300W 0205	1	1.6	55	19	110	15	1	1		
GN 1475 L300W 040S	1	.2	46	20	67	20	1	1		
GN 147S L300W 060S	2	.6	53	22	119	31	1	1		
GN 1475 L300W 100S	3	.1	71	20	81	30	i	i		
GN 1475 L300W 1205	2	.6	27	24	51	18	1	1	·····	
GN 1475 L200W 140N	1	.8	37	16	103	32	1	1		
GN 1475 L200W 120N	24	.1	344	18	89 112	935	1	1		
GN 1475 L200W 080N	2	.4	89	22	87	222	1	i		
GN 1475 L200W 060N	1	.7	70	22	97	60	1	1		<u></u>
GN 1475 L200W 040N	1	1.1	63	19	84	39	1	1		
GN 1475 L200W 020N	2	.4	36 70	24	147	28 50	1	1		
GN 1475 L200W 040S	1	1.1	40	21	112	31	1	1		
GN 1475 L200W 0605	2	1.0	28	16	75	13	1	1	·····	
GN 1475 L200W 0805	1	.8	41	22	163	20	1	1		
GN 147S L200W 100S	1	.2	53	29	107	31	1	1		
GN 1475 L200W 1205	2	.4	72	25	73 92	73 90	1	1		
PH 1475 1 100H 140N	2	1.2	73	10	87	24	1	1		
PW 1475 L100W 120N	120	.4	237	17	50	1145	i	1		
PW 1475 L100W 100N	2	-1	146	19	80	140	1	1		
PW 1475 L100W 080N	2	.2	80	19	109	49	1	2		
PU 1475 1 1000 020N		1.0	40	22	00	22	1	1		
PW 1475 L100W 020S	ż	.6	43	15	101	19	i	í		
PW 1475 L100W 040S	10	.8	33	17	80	19	1	1		
PW 1475 L100W 0605	23	.8	58 53	22 18	107 79	14	1	1		
PH 1475 1 100H 100S	1	8	108	22	209	48	1	1		
PW 1475 L100W 1405	4	.1	83	23	75	35	i	i		
PW 1475 L000W 140N	16	.2	75	21	104	25	1	1		
PW 147S LOUUW 120N	5	.4	35 36	23	109 70	12 20	1	1		
PH 1475 L000H 080N	<u> </u>	2	46	29	02	13		' <u>-</u>	······································	
PW 1475 L000W 060N	1	1.2	33	14	56	8	1	1		
PW 1475 LOOOW 040N	2	-1	65	20	86	31	1	1		
PW 147S L000W 020N	1	.1	58 50	19 21	65 88	25 38	1	1		
PU 1475 1000U 0405	, /			16			<u>-</u>	<u>_</u>		
PW 1475 L000W 0805	204	.9	2556	22	107	1677	8	2		
PW 1475 L000W 1005	46	.2	652	15	44	276	2	1		
PW 1475 L000W 120S	3	.1	110	25 29	79 88	26 21	1	3		
RI 3000	1	2	51	23	114	37	1	1		
BL 280W	3	.1	93	24	75	111	1	1		
BL 260W	1	.1	56	19	73	55	1	1		
BL 240W BL 220W	1 z	.1 1 2	48 37	19 10	69 100	24 30	1	1		
	<u>_</u>			17	111	24				
BL 180W	о 1	.9 .6	53	21	134	44	1	1		
BL 160W	12	.7	31	18	111	27	1	1		
BL 140W	3	.3	29	21	117	33	1	1		
DL IZUW	<u> </u>	•1	44		123	42	. <u> </u>	···		

COMP: KEEWATIN ENGRG. PROJ: WEST PRIDE 147 ATTN: B.WHELAN/D.MEHNER

#### MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 (604)980-5814 DR (604)988-4524 FILE NO: 1S-0536-SJ3 DATE: 91/08/29 * SOIL • (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	
BL 100W BL 080W BL 060W BL 040W BL 040W BL 020W	1 2 3 22 3	1.2 .6 .5 .9	40 24 29 60 409	23 21 22 19 24	132 100 105 164 66	43 16 21 518 311	1 1 1 1 1	1 1 1 1 1	
			<u>,</u>						
							= .=		
		<u></u>							

COMP: KEEWATIN ENGRG. ATTN:

.

BONNIE	WHELAN	1	DAVE	MEHNER	
DOMINIC	MILE & AIM		DULL.	THE DIVER	

 MIN-EN LABS
 ICP REPORT
 FILE NO: 1S-0193-SJ1

 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 DATE: 91/07/27

 (604)980-5814 OR (604)988-4524
 • SOIL • (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB · PPM	MO PPM		
91GN 147 B-2-79 91GN-147S TP 1A 91GN-147S TP 1B 91GN 147S T4 A 91GN 147S T4 A	36 2 2 6190	.1 .1 .1 2.5	584 77 147 1288 11/4	11 19 23 18	66 115 126 30	459 27 15 41553 8603	1 1 1 83 61	1 1 2 1		
91GN 1475 14 B 91GN 1475 14 C 91GN 1475 1P 2A 91GN 1475 1P 2B 91GN 1475 1P 2C 91GN 1475 19 A	532 2 1 2 1	.9 .8 .7 .2 .1	1148 1169 27 51 110 67	9 20 13 13 11	26 73 128 90 89	7045 17 1 1 190	29 1 1 1 1	1 1 1 1 1		
91GN 1485 T9 B 91GN 1495 T9 C 91DM 1475 AP3 91DM 1475 CP3 91DM 1475 AP2	42 57 6 10 1	.1 .1 2.8 .5 .5	559 508 93 69 147	9 11 12 11 18	77 58 48 69 96	501 815 21 31 9	1 1 1 1 1	1 2 2 1 2		
91DM 147S BP2 91DM 147S CP2	2 1	.9 .5	209 174	13 11	114 78	9 5	1 1	2 2		
		- andro - al M						· · · · · · · · · · · · · · · · · · ·		
									·	

COMP: KEEWATIN ENGRG. PROJ: 147 WESTPRIDE ATTN: D.WHELAN/D.MEHNER MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 (604)980-5814 OR (604)988-4524 FILE NO: 1S-0170-SJ2 DATE: 91/07/24 • SOIL • (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	<u>,</u>	
91-DM 147S C 5P1 91-DM 147S C 4P1 91-DM 147S C 4P1 91-DM 147S C 3P1 91-DM 147S C 2P1 91-DM 147S C 1P1	2 1 1 10 4	1.2 .5 1.2 .7 .2	486 479 386 329 357	38 34 36 30 35	220 241 689 717 695	141 103 135 252 273	7 9 4 6 6	6 6 4 9 12		
91-DM 147S C BP1 91-DM 147S C AP1	3 2	.7 .9	204 56	11 14	163 115	109 5	1 1	2 1		
						17 M-				
									21/	
						<i></i>		······································		
						<u></u>				
					<u> </u>	· ·		<u>,</u>	<u> </u>	

Silt Sample Results

.

.

.

.

COMP: KEEWATIN ENGRG. PROJ: WESTPRIDE 147 ATTN: B.WHELAN/D.MEHNER MIN-EN LABS --- ICP REPORT

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

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

FILE NO: 1S-0321-SJ1 DATE: 91/08/09 * SILT * (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PP <b>n</b>	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM		
D0-147-911	2	.2	61	19	81	12	1	1		
D0-147-912 D0-147-916	3	.1	86 57	7 10	77 89	4	· 1	1		
DO-147-917	4	.1	141	15	73	36	1	1		
951	2		106	21	118			1		
954	1	.5	85 69	11 18	95 101	8	1	1		
955	3	.2	53	13	80	11	1	1		
957	2	۵. 8.	115	19	128 75	20	1	1		
959	1	.3	74	15	111	8	1	1	· · · · · · · · · · · · · · · · · · ·	
960	3	.2	84 69	15	89 07	7 12	1	1		
1371	4	.1	69	7	93	13	1	1		
1372	1				107	15	1	1		
1575	2	.1	(5	11	121	2	1	1		
16 samples										
						-				
				<u> </u>						<u></u>
			<u></u>	. <u></u>		<u> </u>		<u></u>		
	ļ					·	·	· •		
						<u> </u>	<u> </u>			
	}									

COMP: KEEWATIN ENGRG. PROJ: 147 ATTN: BONNIE WHELAN/DAVE MEHNER MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 (604)980-5814 OR (604)988-4524 FILE NO: 1S-0421-SJ1 DATE: 91/08/17 • SILT • (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	
L953	3	.6	47	21	67	25	1	5	
				<u>.</u>					 
				<u> </u>	<del>111 - 21 - 1</del>			<u></u>	 <b></b>
									 · · · · · · · · · · · · · · · · · · ·

COMP: KEEWATIN ENGRG. PROJ: 147 ATTN: B.WHELAN/D.MEHNER

,

MIN-EN LABS - ICP REPORT

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

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

FILE NO: 1S-0386-SJ1 DATE: 91/08/15 * SILT * (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	 
91 GN 147 L930 91 GN 147 L931 91 GN 147 L931	1	.7 .4	72 57	9 12	87 93	11 8	1	1	 
91 GN 147 L932 91 GN 147 L933 91 GN 147 L934	1 1	.5 .4 .8	59 70	7 14	84 68	8 12	1	1	
91 GN 147 L935 91 GN 147 L936 91 GN 147 L936	3 4 2	.4 .6	60 84	19 15	79 88	8	1	1	
91 GN 147 L937 91 GN 147 L938 91 GN 147 L939	2 1 7	1.0 .4	65 166	13 14 24	204 60	21 38	1 1	1	
91 DC 147 L2070	1	.6	56	13	90	7	1	1	
11 Samples									
				<u>-</u>					
					-				
						•			

COMP: KEEWATIN ENGRG. PROJ: WEST PRIDE 147 ATTN: B.WHELAN/D.MEHNER

,

#### MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 (604)980-5814 OR (604)988-4524 FILE NO: 1S-0237-LJ1 DATE: 91/07/31 * SILT * (ACT:F31)

.

.

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB · PPM	MO PPM			
91GN 147 L 007 91GN 147 L 008 91GN 147 L 009 91GN 147 L 010	3 1 6 2	.9 .7 .3 .2	58 66 39 97	15 14 6 9	54 92 80 79	1 1 1 1	1 1 1 1	1 1 1 1			
4 samples									- <u></u>		
									- <u></u>		
		<u></u>							·		
										<del></del>	
						<u></u>					

GOMP: KEEWATIN ENGRG.MIN-EN LABS --- ICP REPORTPROJ: 147 WESTPRIDE705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2ATTN: D.WHELAN/D.MEHNER(604)980-5814 OR (604)988-4524

FILE NO: 15-0170-SJ3 DATE: 91/07/24 • SILT * (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM		
91-DM-147-L-001	2	.7	· 97	15	99	15	1	1	 	
	-									
									 . <u></u>	
							<u> </u>		 	
		<u></u>							 	
					<u>.</u>				 	
,										
								·,,,	 	
	ł									

COMP: KEEWATIN ENGRG. PRCA: 147 ATTN: B.WHELAN/D.MEHNER

.

.

MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 (604)980-5814 OR (604)988-4524 FILE NO: 1S-0276-SJ3 DATE: 91/08/02 * SILT • (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM			
91 JM 147 L910	2	.6	212	15	91	1	1	1	***		
	6										
							<u> </u>			<u></u>	
									<u> </u>	<u></u>	
			_								
			•								
					······						
									<u> </u>		
								٠			
							<u></u>				
					<del>, , , ,</del> ,			<u>=</u>			
					<u></u>					<u></u>	

COMP: KEEWATIN ENGRG. PROJ: WESTPRIDE 147 ITTN: B.WHELAN/E.OLFE	RT	MI 705 WE	N-EN ST 15TH S (604)9	LABS - T., NORTH 980-5814 (	TCP	<b>REPOI</b> R, B.C. V 38-4524	RT /7M 1T2		FILE NO: DAT • SILT •	1S-0456-SJ E: 91/08/2 (ACT:F31
SAMPLE NUMBER	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM		
91 BR 147 L001	4	1.7	70	7	145	12	1	1		
									4 <u></u>	
		-								
						<u></u>				
			· · · · · · · · · · · · · · · · · · ·							
	·									
· · ····										<del></del>
						<u> </u>		<u>,</u>		*
······										

# APPENDIX VI

e.

# Analytical Techniques

Keewatin Engineering Inc.

### ANALYTICAL PROCEDURES USED BY MIN-EN LABORATORIES

### ICP Analysis for Cu, Pb, Zn, Ag, As, Sb, Mo

After drying the samples at 95°C, soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by a jaw crusher and pulverized on a ring mill pulverizer.

0.50 gram of the sample is digested for two hours with an aqua regia mixture. After cooling samples are diluted to standard volume.

The solutions are analyzed by computer operated Jarrall Ash 9000 ICAP or Jobin Yvon 70 Type II Inductively Coupled Plasma Spectrometers.

#### Au Fire Geochem

A suitable sample weight; 15.00 or 30.00 grams is fire assay pre-concentrated. The precious metal beads are taken into solution with aqua regia and made to volume.

For Au only, samples are aspirated on an atomic absorption spectrometer with a suitable set of standard solutions. If samples are for Au plus Pt or Pd, the sample solution is analyzed in an inductively coupled plasma spectrometer with reference to a suitable standard set.

#### Gold Assay Procedure

Samples are dried @ 95°C and when dry are crushed on a jaw crusher. The -1/4 inch output of the jaw crusher is put through a secondary roll crusher to reduce it to -1/8 inch. The whole sample is then riffled on a Jones Riffle down to a statistically representative 300 - 400 gram sub-sample (in accordance with Gy's statistical rules). This sub-sample is then pulverized in a ring pulverizer to 95% minus 120 mesh, rolled and bagged for analysis. The remaining reject from the Jones Riffle is bagged and stored.

Samples are fire assayed using one assay ton sample weight. The samples are fluxed, a silver inquart added and mixed. The assays are fused in batches of 24 assays along with a natural standard and a blank. This batch of 26 assays is carried through the whole procedure as a set. After cupellation the precious metal beads are transferred into new glassware, dissolved, diluted to volume and mixed.

These aqua regia solutions are analyzed on an atomic absorption spectrometer using a suitable standard set. The natural standard fused along with this set must be within 3 standard deviations of its known or the whole set is re-assayed. Likewise the blank must be less than 0.015 g/tonne.



	LEGEND
5	LOWER JURASSIC
	"Toodoggone Volcanics"
	5a Sediments (conglomerate,
	5b Volcanics (maroon tuffs an
4	JURASSIC
	Intrusives (gabbro, diorite,
3	UPPER TRIASSIC
	Stuhini Group
	3a Sediments (siltstone, quartz
	3b Volcanics (andesite flows)
2	TRIASSIC
	Tsaybahe Group
	2a Sediments (weakly foliated
	2b Volcanics (weakly foliated a
1	PERMO-CARBONIFEROUS
_	1a Phyllite

3

2

1

30

1000

	SYMBOLS
	Assumed Geological Conta
~~~~	Fault
	Limit of Outcrop
	Bedding

1b Greenstone

Foliation

Corner Post

Avalanche Slope

GEOLOGICAL BRANCH ASSESSMENT REPORT 21,760 200 U

and the second second	
HYDER (GOLD INC.
RAILWAY-ZETU	CREEK PRD.
GEOLO	GY MAP
DATE: OCT., 1991	NTS: 104H/13W
PROJECT: RAILWAY - ZETU	BY: D. MEHNER
SCALE: 1 : 10,000	
Keewatin Engineerin	g Inc. MAP No.











HYDER	GOLD
RAILWAY-ZETU	CREE
Cu - SOIL-SILT - ROC	Au - Ad K GEC
Cu - SOIL-SILT - ROC	Au - Ad K GEC
Cu - SOIL-SILT - ROC DATE: OCT., 1991 PREJECT: RAILWAY-ZETU	Au – Au K GEC
Cu - SOIL-SILT - ROC DATE: OCT., 1991 PRDJECT: RAILWAY-ZETU SCALE: 1 : 10,000	Au – Au K GEC





91-JM-147-3-045	1991 3011 3811
0	≥ 30 ppm Pb
•	≥140 ppm Zn
91-JM-147-L-910	1991 Silt Sam
E .	≥ 30 ppm Pb
	≥140 ppm Zr
*	Silt/Soil Samp
91-DO-147-R-902	1991 Rock S
XX	Soil and Silt Destroyed i
Ó	Soil Test Pit Depth Inte
20/94/1	ppm Pb / pp



HYDER (JOLI
RAILWAY-ZETU	CRE
Pb- SOIL-SILT-ROCK	Zn – A K GEC
DATE: OCT., 1991	NTSI
PROJECT RAILWAY-ZETU	BY: D.
SCALE: 1 : 10,000	
Keewatin Engineerin	g Inc.







