Open File 2006-3

Mineral Assessment of the Eagle Plain Study Area, Yukon

D. Héon

Yukon Geological Survey

Yukon Energy, Mines and Resources

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Published under the authority of the Minister of Energy, Mines and Resources,
Government of Yukon
http://www.emr.gov.yk.ca
Printed in Whitehorse, Yukon, 2006.

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In referring to this publication, please use the following citation:
Héon, D., 2006. Mineral Assessment of the Eagle Plain Study Area, Yukon.
Yukon Geological Survey, Open File 2006-3. Includes 2 reports: original study (103 p. plus 1 map) and update (12 p. plus 4 maps).

Preface

A mineral resource assessment of the Eagle Plain Study Area was undertaken by the Department of Economic Development at the request of the Department of Renewable Resources. The purpose of the assessment was to determine the mineral potential of the region, and thereby assist in proposed land planning in the area. The mineral assessment was done in March, 1997 and an update to the original assessment was done in 2000. The Yukon Geological Survey is pleased to release in the results of this assessment and follow-up geological field work in this report.

The information is being released as originally prepared and may not conform to current Yukon Geological Survey publication standards.   Please note that this report does not include information from any studies that may have been carried out in the area since the mineral assessment was conducted.

Government of Yukon

Department of Economic Development

Mineral Resources Branch

Mineral Potential of Eagle Plain Study Area

By Danièle Héon

1997

SUMMARY

This report outlines the results and the conclusions of a study of the mineral potential of the Eagle Plains area. The accompanying mineral potential map ranks the different tracts according to their relative order of mineral potential, from highest to lowest. The highest ranking rocks occur on the flanks of the Richardson Anticlinorium which corresponds to the flanks of the southern Richardson Mountains.

Other significant contributions resulting from this study include: complete geochemical coverage of the area provided by a new Regional Geochemical Survey and reanalysis of silt samples of a pre-existing survey; the discovery of several new mineral occurrences; the discovery of rocks of possible volcanic origin, previously undocumented in the area; and modifications to the pre-existing geology maps.

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Supplementary Data – available upon request

- 1995 RGS survey
- reanalysis of 1976 RGS survey
- Geophysical Interpretation

1. INTRODUCTION

The Department of Economic Development began a mineral potential study of the Eagle Plain area in the spring of 1995. A Territorial Park representing the Eagle Plain ecoregion is proposed and a mineral assessment of the area was requested by the Department of Renewable Resources to help define proposed park boundaries. This assessment provides land planners with a relative ranking of the potential of different geological units to host mineral deposits. Such ranking will help decision-makers in protecting ecological values without compromising access to mineral wealth.

2. LOCATION

The boundaries of the study area are the Peel River to the south, the height of land west of the Eagle River to the west, 67 deg 00 min N latitude to the north, longitude 135 deg 30 min to the east. The study area (Fig. 1) is encompassed by National Topographic Series map sheet 116 I, the northern part of 116H, the western edge of 106L and the northwestern part of 106 E.

3. METHODOLOGY

The mineral assessment process involved data compilation, fieldwork to address data gaps, and assessment of all data by a mineral assessment panel. A detailed description of the methodology as defined by the mineral assessment steering committee is found in Appendix 4.

An analysis of the published geoscientific information for the area outlined serious gaps in the database. Geophysical data are available but at a level of detail that is too general to permit definition of mineral exploration targets. Regional stream sediment geochemical surveys (RGS) cover part of the area and were analyzed for a limited suite of elements. Geological maps (1: 250 000 scale) are based primarily on air photo-interpretation with limited field checks.

The first field season of this project included the completion of the regional stream sediment geochemical coverage and the reanalysis the earlier samples for a more complete suite of elements. During the second field season, the results of the geochemical survey were checked and rock samples of the different formations were collected to determine their background geochemical signatures.

Following compilation of all past and new data, the stratigraphy was divided into geological tracts (Fig.2). A mineral assessment panel composed of industry and government geologists was convened and a unanimous ranking of the different tracts was reached. Mineral deposit profiles developed by the British Columbia Geological Survey (Open Files 1995-20 and 1996-13) were used for the ranking. A mineral potential map of the study area portraying the relative ranking of the different tracts was delivered to the Department of Renewable Resources on April 1 1997.

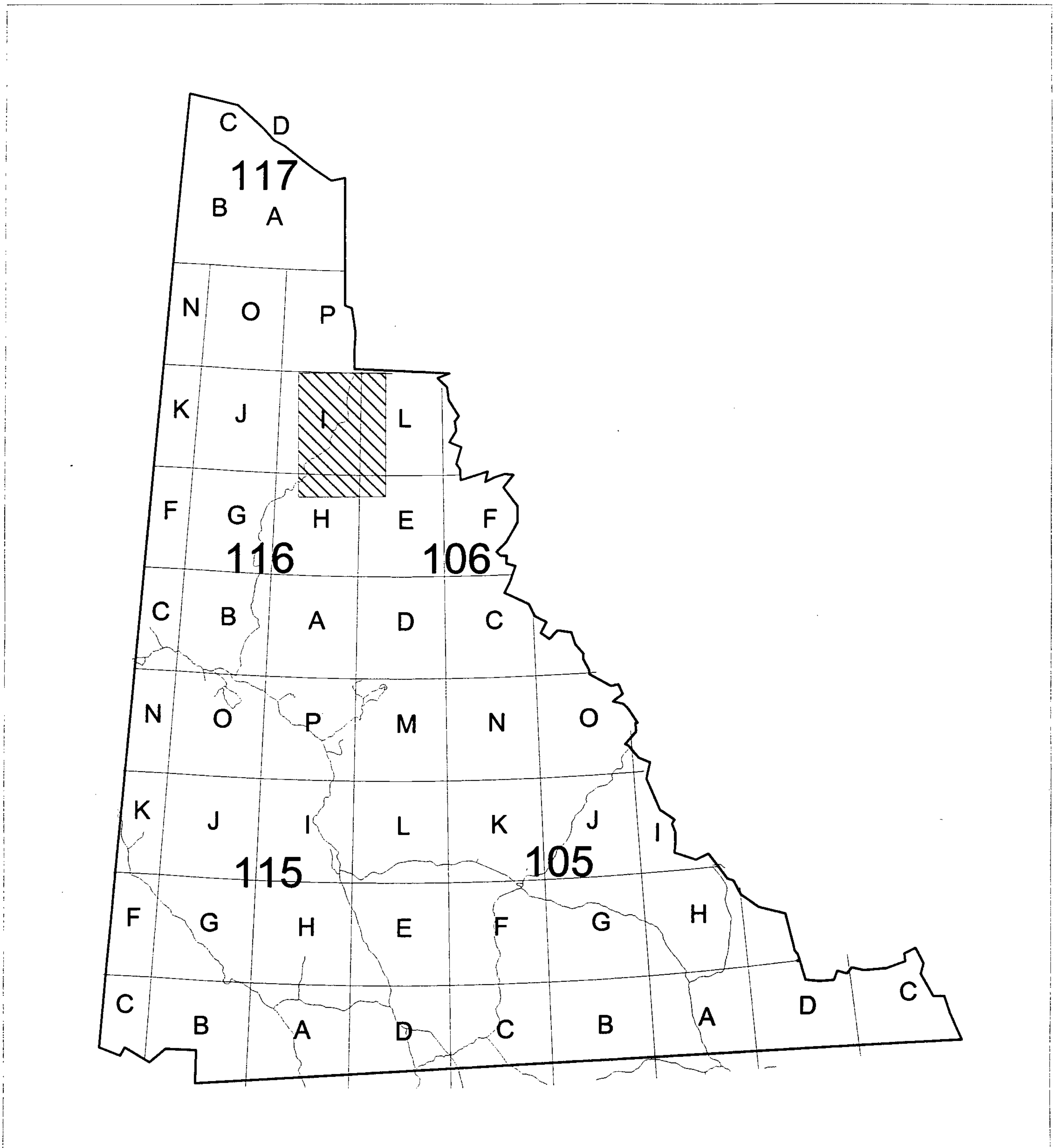

Fig.1 Location map

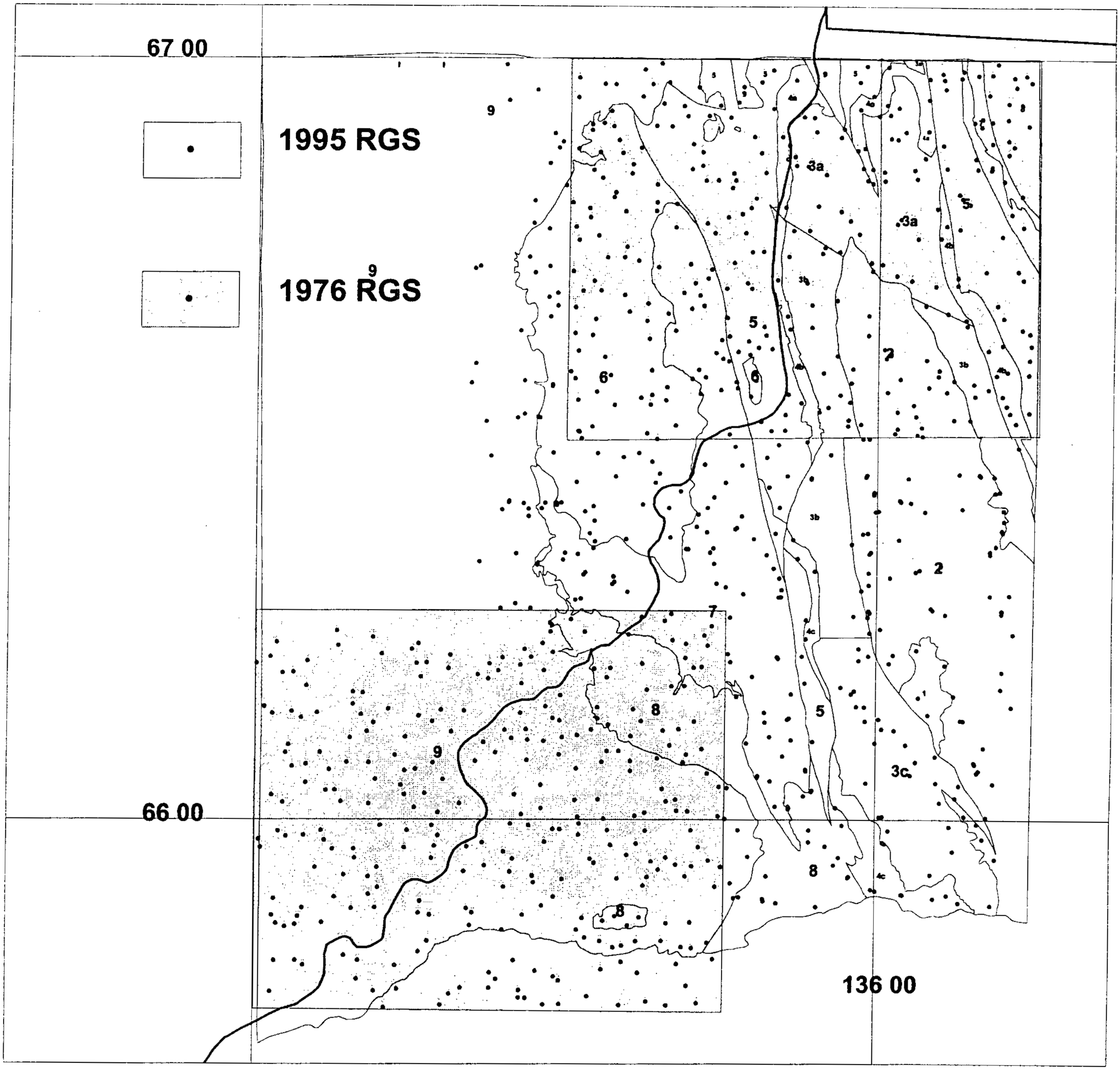

Fig. 2 RGS Sample Location and Tract Map

This report documents the information compiled for the assessment and includes a new digital geological map for the area. It does not address the potential for hydrocarbon resources. An evaluation of the potential for oil and gas work is outlined in the NEB report by Davidson (1994).

4. PREVIOUS WORK

The main source of geological information used in this compilation is Geological Survey of Canada Bulletin 422 (Norris, 1997) and accompanying 1: 250 000-scale maps released around 1981. This body of work documents the extensive reconnaissance mapping initiated in the 1960's called Operation Porcupine. This work was started before construction of the Dempster Highway. The geological interpretation is based mainly on air photo interpretation and spot groundchecks, but also incorporates the results of specific geological investigations and well data from the oil industry. These maps were published at a scale of 1: 250 000. Portions of the study area appear on Eagle River (map 1523A), Trail River (map 1524A), Hart River (map 1527A) and Wind River (1529A) map sheets.

Cecile (1982) produced a 1: 125 000-scale geological map based on ground traverses which covers the northern part of the Richardson Anticline, the northeastern part of the study area.

Where both maps of Norris and Cecile overlap, both nomenclatures are used, first Norris's then Cecile's (ex: CDR3 (Norris)/ Sd (Cecile)).

The geological synthesis used herein follow that in relevant parts of Gabrielse and Yorath (1992) as well as Morrow (in press).

A 1976 Regional Stream Sediment Geochemical Survey published by the Geological Survey of Canada covers the southwestern and northeastern end of the study area. Samples were analyzed for a limited suite of elements to assist with uranium and base metal exploration.

Regional aeromagnetic and gravity surveys were conducted at a 3 to 4 km line spacing, which is inadequate for the identification of mineral exploration targets.

A few regional exploration programs targeting lead-zinc mineralization were undertaken in the area during the 1970's. Very little of this work was filed as assessment reports. The publicly available results of these programs are discussed in the respective sections on mineral occurrences. Only one claim remains in good standing in the area.

This area is considered to be under-explored, both from a geological and a mineral exploration perspective.

5. NEW WORK

A new regional stream sediment geochemical survey was contracted out to the Geological Survey of Canada in order to complete first-order geochemical coverage for the study area. The survey was conducted in August 1995, with one sample collected roughly every 13 square km, in tertiary drainages. Samples were analyzed for gold plus a 32-element ICP package. Samples from the 1976 survey were reanalyzed for a similar suite of elements. The respective sampling area for each survey as well as the tract map is shown in Figure 2. The results of these surveys will be released publicly as Open File report once mineral withdrawal is in place.

Geological fieldwork was undertaken to evaluate the previous mapping, to collect representative lithogeochemical samples of the stratigraphic units in order to determine background metal levels, to investigate geochemical anomalies and to prospect for mineralization. Most of the work was focussed on the most prospective stratigraphy. The field season was cut short by early snowfall; anomalies and mineral occurrences at the northern (near the headwaters of the Vittrekwa River), and southern end (near the Peel River) of the study area were not investigated.

An evaluation of the available geophysical data was contracted out to Amerok Geosciences Ltd. The report concluded that the density of existing data was too low to help in the evaluation for potential for mineralization in the area.

6. GEOLOGICAL SETTING

The study area overlaps two ecoregions: the Eagle Plain (169) and the southern part of British-Richardson Mountains (165) ecoregions. These roughly coincide with 2 distinct physiographic as well as sedimentary and tectonic environments. The Richardson Mountains roughly coincide with the Richardson Trough, the site of deep basinal sedimentation from Cambrian to Devonian time. To the west, carbonate rocks of the Porcupine Platform, which rests on the Yukon Stable Block, underlie the Eagle Plain. These represent a shallow, long-lived continental shelf setting.

Physiographic elements are shown in Fig 3, paleogeographic elements are shown in Fig 4, stratigraphic correlations are shown in Fig. 5 and a cross section of the Eagle Plain basin is shown in Fig.6, all from Morrow (in press).

6.1 *Geological evolution*

The onset of subsidence in the Early Cambrian created three different tectonic blocks of differing style of sedimentation. The Richardson Trough started to subside with respect to the Yukon Block to the west and the Mackenzie Platform to the east and continued to act as a negative entity, thus collecting sediments, until at least the end of the Devonian. The limestones of the *Illtyd Formation* are the oldest rocks documented in the study area. They were deposited in a shallow sea that spanned the width of the study area. As the Richardson Trough deepened, it trapped sediments shed from the Mackenzie Platform to the east. Contrasts in sedimentary facies within the Illtyd Formation reflect this process.

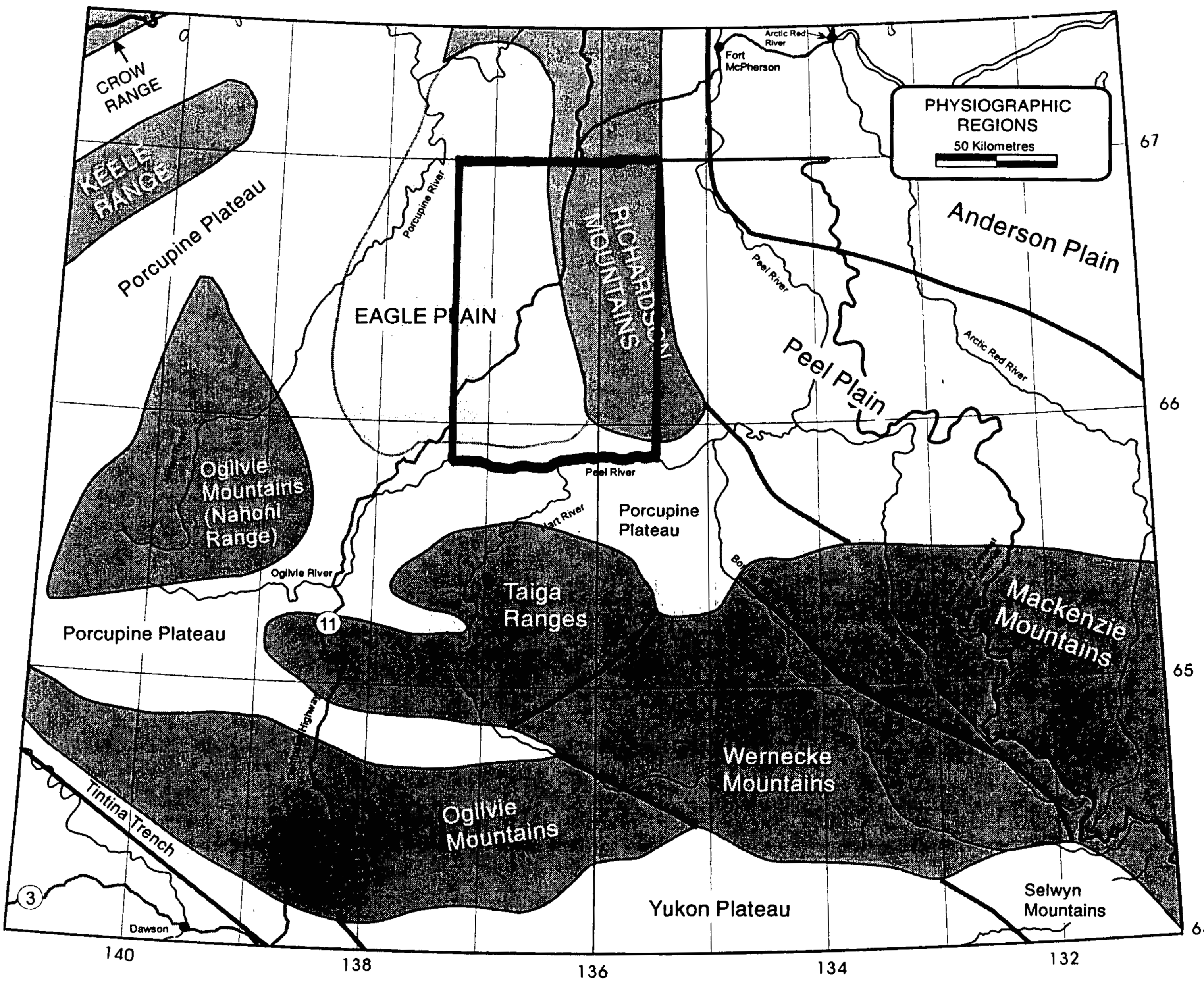

Fig. 3 Physiographic regions (from Morrow, 1997)

PALEOGEOGRAPHIC ELEMENTS

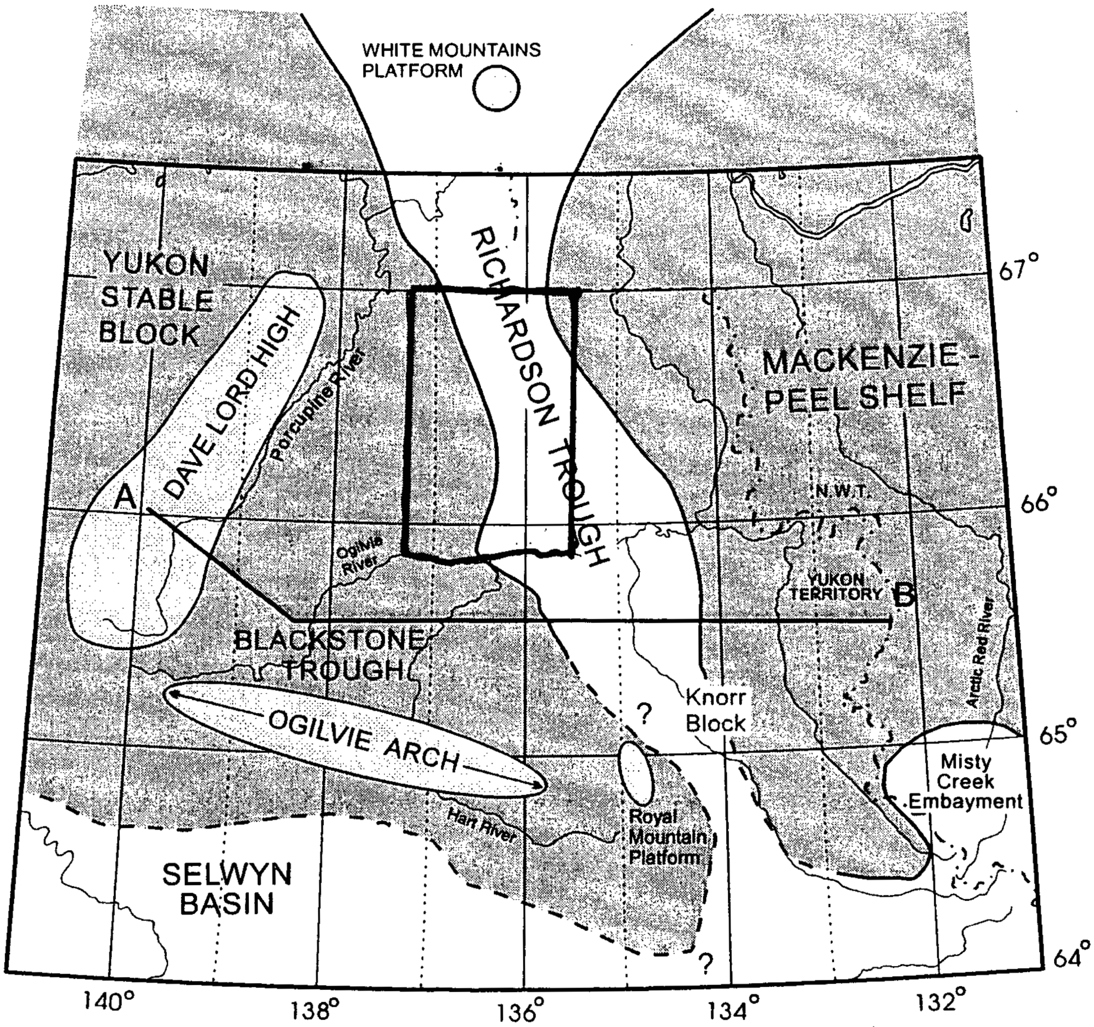

Fig. 4 Paleogeographic elements (from Morrow, 1997)

The sands of the overlying *Slats Creek* Formation were shed from the Yukon Block towards the east into the Richardson Trough in response to block faulting and relative uplift of the Yukon Block.

By mid-Cambrian time, basinal sedimentation in the Richardson Trough was established. The pelagic or hemipelagic limestones of the Cambrian *lower Road River Group* were succeeded by slope facies shale, chert and thin-bedded limestone of the *upper Road River Group*. A distinctive Upper Silurian orange-weathering dolomitic bioturbated siltstone marks deposition in shallower water. The uppermost unit of the Road River Group marks a return to deeper water conditions, followed by deposition of *Canol Formation* cherts and shales during the early Devonian. The Canol Formation was deposited uniformly across the entire Mackenzie shelf and Yukon Block in response to an abrupt rise in sea level, marking the end of regional carbonate platform deposition. The end of the Canol Formation marks the end of deep basinal sedimentation in the Richardson Trough.

During this whole time interval, platformal to basinal (in the Blackstone Trough) carbonate sediments were deposited on the Yukon Block, west of Richardson Trough. Since these rocks do not outcrop in the study area, they will not be discussed here.

Devono-Mississippian tectonism to the north and east caused southward progradation of a clastic wedge into the marine setting of the study area. The upper Devonian turbiditic siltstones and sandstones of the *Imperial Formation* mark the onset of deposition of this clastic wedge. Paleocurrent directions indicate a northerly source. The overlying/interfingering *Devonian Unnamed Shale* is interpreted to represent the base of the Ford Lake shale in a restricted area of the basin. Deposition of the Carboniferous *Tuttle* conglomerate is interpreted to be either a fluvio-deltaic clastic wedge or a marine turbidite deposit. The Carboniferous *Ford Lake* shale is a transgressive/ regressive sequence; it overlies and interfingers with the Tuttle Formation.

The overlying Carboniferous sequence reflects shallowing of this part of the basin. The *Hart River Formation* was deposited in a mid- to upper slope environment. It consists of cherty spiculitic limestone. The overlying *Blackie Formation* reflects shallowing carbonate ramp to platformal sedimentation. The *Ettrain Formation* was deposited in protected to restricted shelf conditions.

Subsequent uplift of the Aklavik Arch to the north of the study area produced widespread erosion reflected in a regional sub-Permian unconformity. It is not clear if this unconformity occurs in the study area or if sedimentation was continuous into the Permian.

The Permian siliciclastics and carbonates of the *Jungle Creek Formation* represent shallow marine to subaerial conditions. No Triassic rocks are documented in the study area.

STRATIGRAPHIC CORRELATIONS OF LOWER PALEOZOIC STRATA ACROSS NORTHERN YUKON TERRITORY - NORRIS, D.K. (1981) and PRESENT STUDY

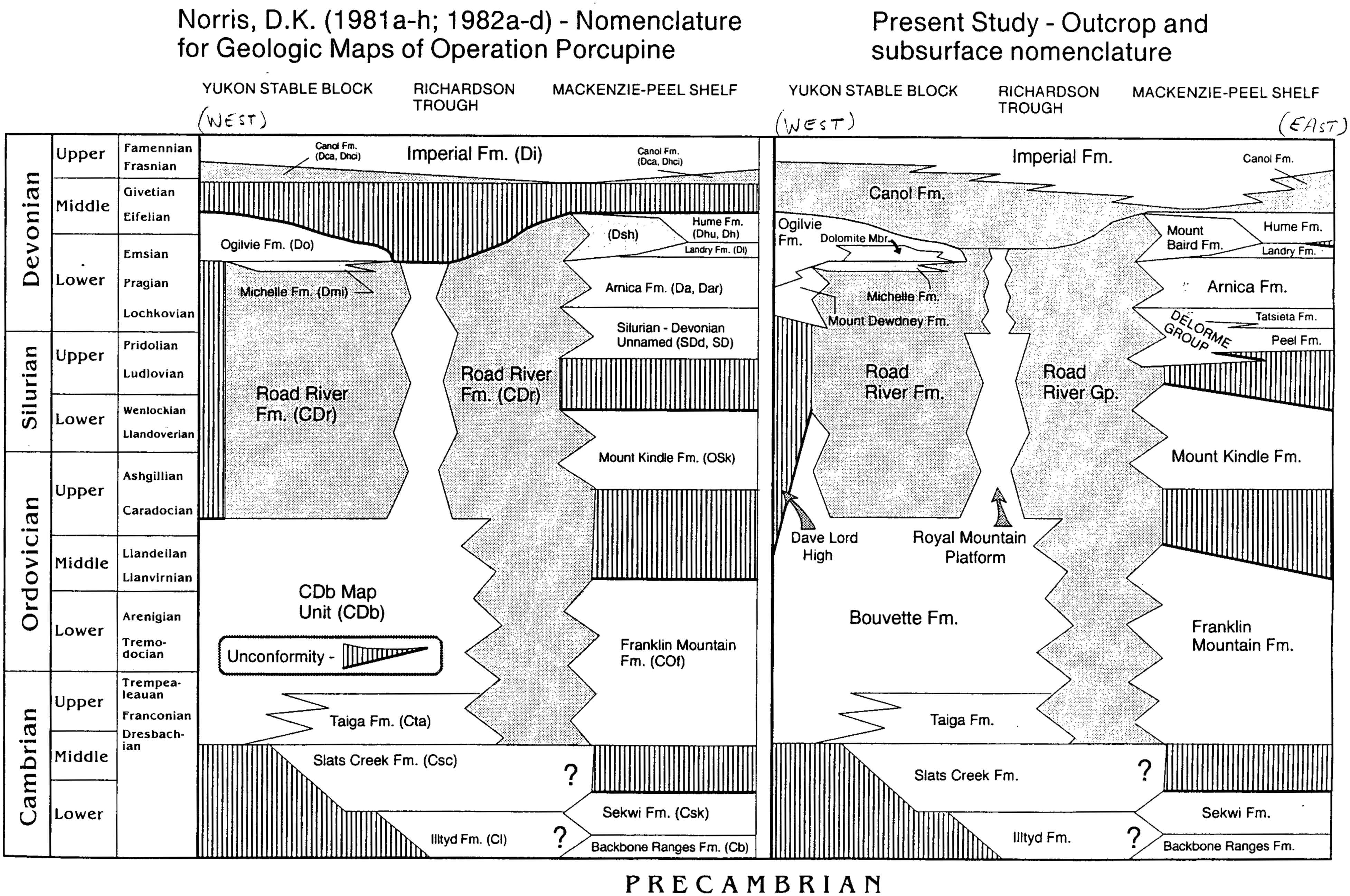

Fig. 5 Stratigraphic correlations (from Morrow, 1997)

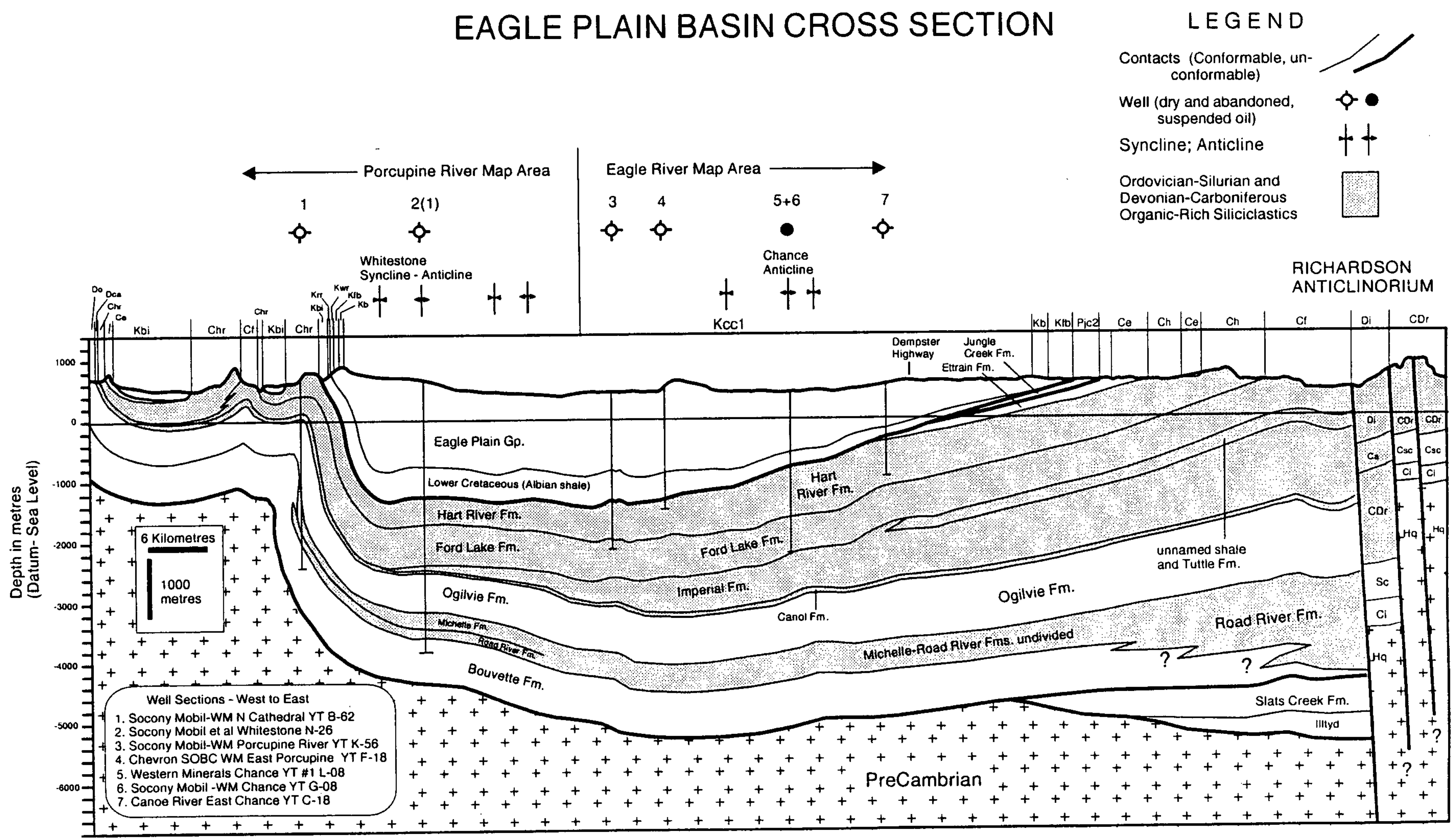

Fig.6 Eagle Plains Cross Section (from Morrow, 1997)

The Jurassic and Cretaceous part of the sequence is characterized by several episodes of marine transgression and regression that reflect alternating phases of rifting and compression. A major unconformity separates Upper Cretaceous from Lower Cretaceous and older strata. The *Eagle Plain Formation* is mostly marine but the top section is partially of fluviatile origin.

Rocks of the Richardson Trough were folded during the Cretaceous and Tertiary periods into the Richardson Anticlinorium. This prominent structure is cut by the Richardson Fault array and is bounded to the west by the Deception fault and to the east by the Trevor fault.. Bordering structural elements are: the Eagle Fold Belt to the west and the northern Interior Platform to the east. Subsequent erosion has exposed the older layers in the core of the Anticline.

The Richardson Fault array consists of a system of curviplanar faults controlling the location and depth of the Richardson Trough as well as the subsequent Richardson anticline. These faults are thought to mark the site of much older steepy-dipping structures that once involved basement rocks. These faults are thought to have been reactivated at different times. Normal faulting during Early Cambrian time along these structures initiated subsidence of the Richardson Trough. Late Cretaceous to Tertiary deformation resulted in buckling of the thick sediment pile within the trough into a northerly shallowly plunging antiformal structure, the Richardson Anticlinorium. Reactivation of the faults resulted in both strike-slip and dip-slip displacement. The array corresponds to an area of very high seismicity. Deeply incised drainages, slump features and modern earthquakes all indicate ongoing tectonic activity.

The westernmost limit of continental glaciation lies east of Canyon Creek, not affecting the study area.

7. TRACT DEFINITION AND DESCRIPTION

To facilitate ranking, the area has been divided into nine geologically distinct tracts. The purpose of these tracts is to facilitate ranking by grouping rocks on the basis of similar geology. Tracts are defined stratigraphically, with adjoining stratigraphically similar rock units included in the same tract. Tracts are numbered from 1 to 9, from the oldest to the youngest rocks (see Fig. 2). Fault-related occurrences are included in the tract assigned to either the footwall or hangingwall unit.

The stratigraphy, mineral occurrences, geochemical signature and relevant mineral deposits will be described on a tract-by-tract basis. Geochemical anomalies are defined at the 95th (and 90th) percentile. A summary Table of Formations is shown in Figure 7. Lithological descriptions are based on field observations collected for this study where available, otherwise they are taken from the literature. For detailed and regional stratigraphic descriptions see Norris (1997), Morrow (in press), and Cecile (1982).

A compilation geology map is found in Appendix 5 and a location map for samples collected during this study is found in Appendix 6.

tract#	age	Formation	lithology	sed. environment	appl. min deps
9	Cretaceous	Eagle Plains Gp	sandstone/shale	rifting, 'E to S derived, shoreline to shelf	coal
				transgression, subsidence	
9	Cretaceous	Rat River	sandstone/shale	marine shelf	
9	Cretaceous	Mount Goodenough	f.g. lam sandstone / thick shale	marine	
	UNCONFORMITY				
9	Cretaceous	Martin Creek	sandstone, progradational, shallow marine		
9	Jurassic to Cretaceous	North Branch	sandstone, progradational, shallow marine	marine, unstable epicratonic shelf	
	Jurassic to Cretaceous	Husky Fm	shale dominant	marine	
8	Permian	Jungle Ck	sandstone, cgl, shale and carb	regression, shallow marine to subaerial	evaporite
	asselian to wordian				
	UNCONFORMITY?				'evaporite, uranium
8	Pennsylvanian	Ettrain	cherty bioclastic carb	shallowing up, protected restricted shelf, margin	phophate
	moscovian			and slope terrigenous influx from SE	
				erosion	
8	Miss-Pennsylvanian	Blackie	dk grey calc sh+sltstn, silty spiculitic limstn	shallowing upwards basin to slope	evaporites?
	low Serpukh. to bakshirian			carb ramp to platform	
8	Mississipian	Hart River	lam cherty spiculitic limestone	prograde westward, shelf,	phosphate
	'up visean+ low serpukh.		w ss, sltstn,sh	mid to upper slope+basin	
7	up dev to u visean (Miss)	Ford Lake	silty py sh/sstn (ss)	marine transgression--regression	
		equiv to Kayak		mod deep water to shalow pro-delta	
7	upper D.ev to low Miss.	Tuttle	cgl, sandstone	turbidites, northerly derived	coal, U
	famm to tournaisian			or fluvio-deltaic clastic wedge	
6	Devonian	Unnamed shale	shale		sedex, barite
5	upper Devonian	Imperial	siltstone + sandstone, sh, minor limestone	northerly derived, mod deep	barite
	frasnian-fammenian		'turbidites, 'x-lam, flow cast structures	progradational, coars. upwards	
4	mid Devonian	Canol	siliceous shale, chert	euxenic basin	sedex, barite
	frasnian-givetian				
	UNCONFORMITY				
					shale-hosted Ni-sulph
4	upper Silurian	Road River CDr4/ SDv	carbonaceous graptolitic shale	mod to rel deep water- marine	sedex, emeralds, ba
	lower mid-Dev				
4	mid+upper Silurian	'Road River CDr3/ Sd	wispy laminated platy argillite and	shallowing, bioturbation	
		Steele equivalent	dolomitic siltstone. py nodules common		
3		'Road River CDr2	limestone conglomerate	turbidite, // to axis of trough	MVT, sedex, fault controlled
		sharpstone breccia			
3	low. Ord to low. Silurian	'Road River upper CDr1/ Osl	black chert/sh/limstn(sil?), dolom in south	mod to rel deep water- marine	MVT
3	upper Cambrian +	Road River 'lower CDr1/ COr	pyritic limestone, calc sh, chert nod+beds	mod to rel deep water- marine	MVT, limestone
	lower Ordovician	RabbitKettle equivalent			
3	mid Cambrian	CDr0/Csh	siltstone, black shale, sandstone	transitional into basinal sed.	MVT
2	mid Cambrian	Slats CK	rusty to brown sandstone, siltstn, shale	reflects block faulting+erosion	
				westerly derived	
1	early to mid Cambrian	Illtyd	limestone, pelletoid, algal	shallow marine	MVT, fault contr.

Fig. 7 Summary stratigraphic table

7.1 Tract 1- Cambrian Illtyd Formation

7.1.1 Stratigraphy

The Early Cambrian Illtyd Formation represents the oldest exposed rocks in the study area. In this area, it consists of beige to brown weathering, thin-bedded, micritic knobby limestone. It is locally: wavy bedded, spheroidal-nodular, algal, red weathering and/ or pyritic. Exposures in the study area are at the westernmost extent of its surface expression. It was deposited in relatively shallow water across the Richardson Trough and the Yukon Block, then eroded across most of Yukon Block. Subsidence of the Richardson Trough with respect to the Yukon Block is reflected in the upper Illtyd Formation.

7.1.2 Mineral Occurrences

Within the study area, the Illtyd hosts two Minfile occurrences. The Pilon (106L 033) occurrence contains minor galena, sphalerite and pyrite in vugs and brecciated limestone. The Twice (106L 052) was staked to cover a Pb silt anomaly. Minor pyrite, sphalerite and galena are reported in hairline fractures and in vugs. A 90m long band of colloform smithsonite and galena has been reported in a brecciated fault zone. Both occurrences are located near one of the main strands of the Richardson Fault array, as mapped by Norris (1981).

Field visits to the Twice occurrence confirmed the presence of lead mineralization. Galena (+ sphalerite?) occur in limonitic and manganiferous vuggy breccias that can be traced along strike for 100's of meters. The highest value was 10.23% Pb in limonitic brecciated limestone (95DH-109). Galena from this sample contained was analyzed for its lead isotope ratio, yielding a Cambrian date of mineralization, which would support consideration of these occurrences as Mississippi Valley-type targets. Limestone breccias cemented by drusy quartz and calcite also contain anomalous lead and zinc values (96DH-124).

Fluorite was found in a pyritic calcite vein (96DH-117). Calcite-quartz veins are locally baritic (96DH-98, 99). One limestone sample collected for background lithogeochemical purposes unexpectedly returned values of 7700 ppm Zn and 29 ppm cadmium (96HR-47). Frothy and vuggy limestone is often pyritic, but if not brecciated and/or limonitic, isn't usually anomalous in lead or zinc.

A new mineral occurrence was discovered in float, where massive chalcopyrite coated by crystalline malachite is found in limonitic limestone with milky and clear drusy quartz crystals (96DH-126a and b). This is probably a vein/breccia occurrence, the attitude or extent of which was impossible to determine.

7.1.3 Geochemical signature

The lead content of one silt sample taken within the Illtyd was greater than the 98th percentile range.

7.1.4 Main Pertinent mineral deposit models and regional examples

- Mississippi Valley type

Pro: brecciation, cementation, fluorite, anomalous Pb, Zn in silts and soils, Pb-Zn occurrences, regional faults, galena same age as host rocks
Con: No regional unconformity that would have provided erosion and karsting, no clear evidence of solution breccias

- Fault-controlled mineralization

Pro: numerous fault breccias, often mineralized, continuous structures,
Con: thin structures, unclear if mineralized structures are regional faults

7.2 Tract 2- Cambrian Slats Creek Formation

7.2.1 Stratigraphy

The Slats Creek Formation outcrops in Richardson Trough and also partially underlies the Yukon Block. It consists of recessive, thin to medium bedded reddish brown to brown sandstone eroded from the Yukon Block in response to block faulting. Its base is not exposed.

7.2.2 Mineral Occurrences

No reported mineral occurrences

7.2.3 Geochemical signature

Low level Pb anomaly in the northern part of the survey. Elevated in REE with respect to the rest of the stratigraphy, probably due to different sedimentology (heavy minerals)

7.2.4 Pertinent mineral deposit models

Red-bed copper, uranium, sandstone-hosted lead (no evidence for mineralization)

7.3 Tract 3- Cambrian to Ordovician Lower Road River Group (CDR 0,1) (includes CDR2) (Norris)/Upper Cambrian and Lower Ordovician COR (Rabbitkettle) and Lower Ordovician to Lower Silurian Osl (Cecile)

7.3.1 Stratigraphy

Usage of Road River nomenclature has been varied, inconsistent and at times confusing. A good review of the history of usage is found in Morrow (in press). In this report, Norris' definition is used in conjunction with Cecile's. Norris uses the Road River Formation as defined by Jackson and Lenz (1962). He divides the formation into 5 units

(CDR0 to 4), with unit CDR0, the base of the Road River, overlying conformably the Slats Creek sandstones. Cecile, on the other hand, uses the Road River Group terminology as defined by Gordey (1993) based on his work in the Selwyn Basin. He divides Norris' CDR1 into two units: a lower COR, which is equivalent to the Rabbitkettle Formation as defined in Selwyn Basin, and an upper Osl (also Ioucheux formation, informal name) unit which constitutes his base of the Road River Group. The COR is separated from the Slats Creek by a transitional unit (Csh) that is equivalent to Norris' CDR0. Tract 3 includes all units mentioned above which represent the deep basinal setting in the Richardson Trough.

Unit CDR0 (Norris)/ Csh (Cecile) consists of rusty brown weathering siltstone and shale, minor sandstone (Norris includes limestone)

CDR1/ COR and OSI consist of interbedded limestone (locally pyritic), shale and chert, with thin cherty interbeds more common in Osl than in COR. Rocks are dolomitized in the southern part of the study area. Shales in Osl are graptolitic. This unit includes CDR2 (sharpstone breccia), mapped by Norris as representing an extensive debris flow or turbiditic event flowing from the adjoining carbonate bank from near Deception Mountain, along the long axis of the Richardson Trough. This conglomerate consists of angular limestone and chert clasts in a limestone matrix. This unit is locally dolomitized, brecciated and cemented with clear drusy quartz. Similar conglomeratic rocks have been observed north of the extent mapped by Norris (1981b) but with the matrix locally replaced by chert.

Carbonate breccias and veins are common, fragments are cemented by crystalline calcite and/or dolomite.

7.3.2 Mineral Occurrences

Tract 3 was divided in to 3 sub-tracts (a, b and c) due to the variety and density of mineral occurrences and geochemical anomalies, with the highest densities being in the northern (tract 3a) and southern (tract 3c) parts of the tract.

Tract 3a covers the northern tip of the Richardson Anticline. The Touché occurrence (Minfile 116I 064) is located in the core of the Richardson Anticlinorium on one of the main strands of the Richardson Fault Array. The property was staked to cover crystalline barite and Pb-Zn-Ag mineralization discovered by following up geochemical anomalies. Mineralization is related to faults and associated with quartz, quartz-carbonate or carbonate-barite veins. Rocks adjoining the faults are locally altered. The main barite occurrence consists of clear grey barite crystals up to 5 cm in diameter and is covered by the only claim in good standing in the study area. Base metals have been detected in soils along three main faults. Mineralization is sporadic and generally weak. A few anomalies yielded high-grade mineralization (19% Zn and 1.94% Pb, 1% Zn and 49% Ba) but no continuity was found.

The Vittrekwa occurrence (Minfile 106L 055) is described as hosting sphalerite and galena in brecciated limestone and shale.

Tract 3b contains the Joyal occurrence (Minfile 116H 071). Field checking confirmed the presence of copper mineralization. A quartz and calcite vein of very coarse grain size contains 1% interstitial chalcopyrite, malachite and limonite. Sample 95DH-53 returned values of 6810 ppm Cu and 80 ppb Au, the highest gold value in the study area aside from shale-hosted nickel-sulphide mineralization described in the next tract. Coarse calcite veins are common in the area but this rare instance of copper mineralization coincides with the rare occurrence of quartz in this vein.

Tract 3c covers the southern portion of tract 3 in the study area
At the southern end of the study area, the Llod occurrence (Minfile 116I 053) is described as hosting sphalerite and galena in locally dolomitized limestone breccia. The neighboring Harival occurrence (Minfile 116I 054) is said to host sphalerite and galena in tectonic breccia in limestone and shale. Work history includes soil geochemistry and packsack drilling. A composite core sample taken from an abandoned core box returned 1260 ppm Pb (96DH-56). Field checking of the Harival occurrence established a correlation between lead soil anomalies (500-1000 ppm Pb) and outcroppings of the CDR2 sharpstone breccia. This conglomeratic rock is preferentially dolomitized, brecciated, recemented with drusy quartz and is locally mineralized. Lead and zinc values vary greatly but graded up to 1460 ppm Pb (96DH-58a) and 3.56% Zn (96DH-50). The greater porosity of this unit as compared to the host limestone/chert sequence would preferentially enhance it's susceptibility to dolomitization and brecciation and would make it a preferred conduit for fluids (ex: as a paleo-aquifer?), an important feature in MVT deposits.

Rocks sampled in or near the side canyon that flows into Canyon Creek (96DH-129 to 146) contain pyrite both as lenses and as graded bands (beds?). The CDR2 unit in the same area contains numerous pyrite clasts. Anomalous values in zinc, vanadium, antimony, cadmium and arsenic were obtained, both in limestone containing pyrite lenses or bands and in black shale, even in samples taken for background lithogeochemistry. One limestone sample (96 DH-132) contains 7020 ppm Zn, 18 ppm Sb, 107 ppm Ni, 100 ppm Cd, and 128 ppm As. This area is therefore considered highly anomalous due to its high metal content.

South of Canyon Creek, sample 96HR-2 returned values of 32.2% Ba, 8.4 ppm Cd and 207 ppm Ni. This anomaly is unexplained and further field work would be necessary to determine it's significance.

7.3.3 Geochemical signature

Tract 3a is characterized by anomalous Zn, Ba, Cu and Pb values as well as a low-level Mo anomaly.

The western part of Tract 3b hosts a weak F anomaly.

Tract 3c contains a linear Sb-Cd-Cu anomaly extending from the canyon area in Canyon Creek southward, a thin north trending F anomaly, and another Sb-Pb-Cu/Mo anomaly.

7.3.4 Pertinent mineral deposit models

- Limestone:

Pro: dominant lithology, highway access
Con: thin bedded, chert interbeds, unknown purity, jointed

- MVT:

Pro: carbonate/shale transition (shale out), Pb-Zn in silts and rocks, primary porosity (CDR2), secondary porosity (brecciation), regional scale dolomitization, dolomite veins, barite occurrences.
Con: sedimentary environment too deep (?), no evidence of erosion/subaerial exposure causing secondary porosity

- SEDEX:

Pro: Anomalous Zn/Sb/As in rocks and in silts, bedded pyrite? Same age as Howard's Pass deposit
Con: not classic anoxic environment not thin attenuated crust

7.4 Tract 4- Ordovician to Devonian Upper Road River Group: CDR3 (Norris)/ Sd (Cecile) and CDR4/SDv, and upper Middle Devonian Canol Formation (DCa/Dc)

7.4.1 Stratigraphy

The upper part of the Road River Group is divided into two units. The oldest, CDR3/ Sd (also dempster formation, informal name), consists of platy grey-green wispy laminated argillite interbedded with orange-weathering resistant dolomitic pyritic siltstone. This unit also includes shaly limestone, calcareous shale and intraclast (bioclastic) conglomerate. This rock type is very distinctive, outcrops as resistant knobs or forms cliffy exposures. Intraformational recumbent folding has been observed in several instances. Pyrite is present as lenses or disseminated; barium levels are commonly greater than 1000 ppm, mostly in the dolomitic siltstone facies.

The youngest unit of the Road River, the upper Silurian to lower middle Devonian CDR4 (Norris)/ Sdv (also vittrekwa formation, informal name) (Cecile), consists of recessive carbonaceous graptolitic black shales, interbedded with limestone and white-weathering black chert. Locally, the shale is very poorly lithified (disaggregated) and samples resemble peat. Pyrite nodules and bands are common. Limestone pods or balls occur near the top of the succession. A secondary white crystalline coating, probably gypsum, is common on cliffy exposures in the northern part of the study area.

Unconformably overlying the Road River Group, the Canol Formation (Dca/ Dc) consists of rusty-weathering, thin bedded (pyritic) chert, blue-weathering siliceous shale and local limestone pods. The shales and cherts weather with a distinctive yellow iron-rich earthy coating (jarosite?).

In the southern part of the study area, the contact between the top of the Road River Groupand the Canol Formation is exposed and is characterized by a specific lithologic sequence (Fig. 8). The top of the Road River Group is marked by a limestone concretion-bearing unit within carbonaceous shales. This unit consists of meter-scale

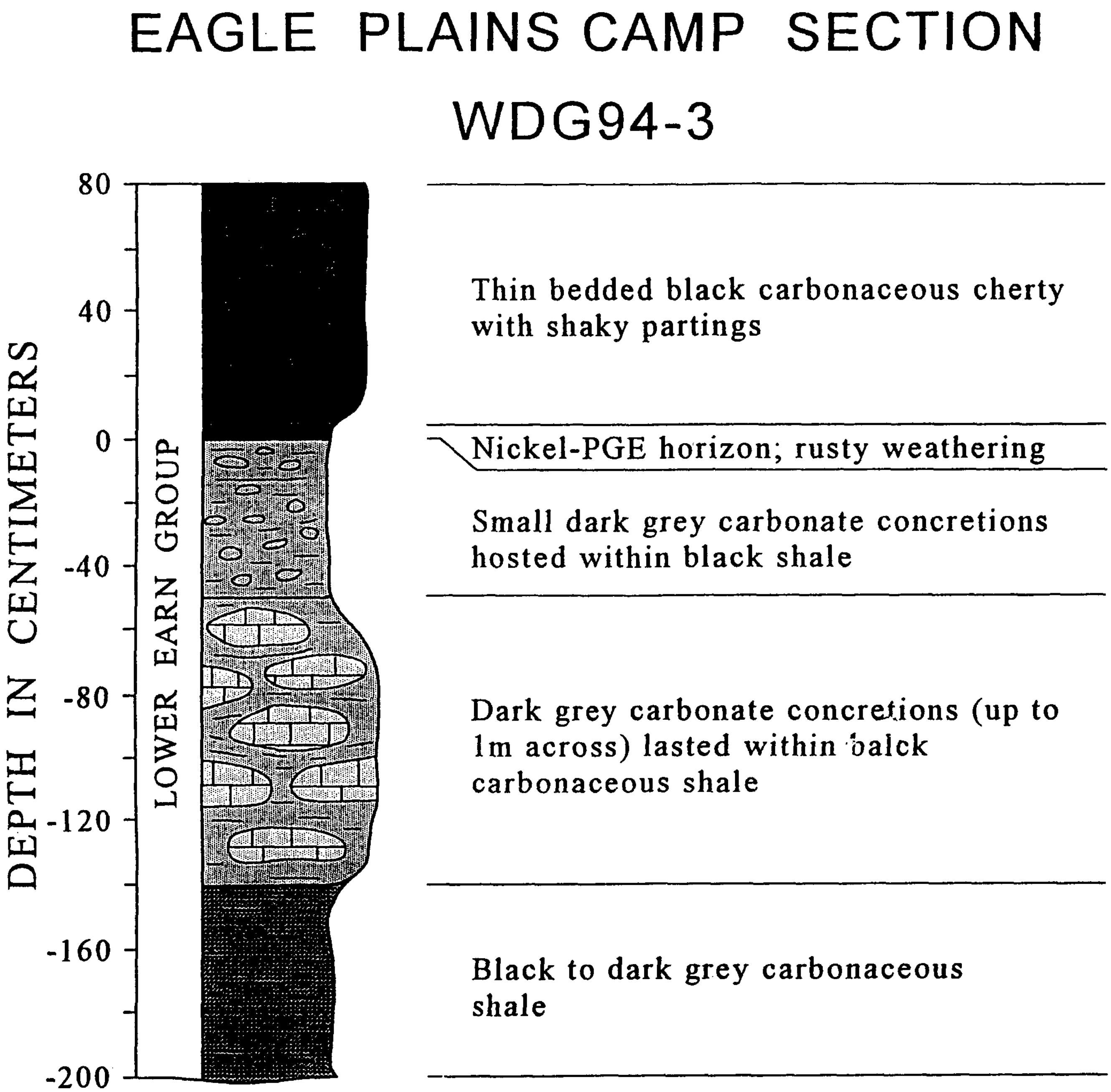

Fig. 8 Stratigraphic column of Ni-sulphide occurrence (from Goodfellow et al, 1996)

limestone balls strung out along one bed. This distinctive horizon is overlain by a 30 to 50 cm thick horizon of highly fractured siliceous shale that contains small, locally pyritic, disc-shaped barite nodules that seem to replace limestone. Immediately overlying this horizon, a thin sulphide-rich horizon is host to Ni-PGE-Au mineralization that will be described later. This horizon is in turn overlain by the rusty weathering thin-bedded cherts of the Canol Formation. This same setting has been traced for more than 9 km along strike. Outcrops of this contact have not been found in the northern part of the study area due to its recessive nature.

Two gossanous areas located near small faults at the top of the Canol Formation were sampled (95DH-74, 96DH-3,4,13,14). The exposures consisted mostly of sluff so the material sampled was not strictly in place and contact relationships are obscure. The rock is mostly very porous and coated with earthy red material and appears to be discordant to the adjoining shales. Examination of thin sections revealed the presence of fresh subhedral to euhedral albitic plagioclase and orthoclase set in a densely intergrown groundmass of silt-size quartz grains sharing angular grain boundaries. Vug shapes are euhedral and could be due to plucked out quartz and feldspars. Some samples show silicification textures. Of note is the near absence of mafic or accessory minerals. Silica content is greater than for a typical rhyolite (>90%), but the presence and habit of the feldspars are unusual for a mature sediment. The origin of this rock is still undetermined. It could be a silicified or recrystallized volcanic rock, shallow level intrusive rock, a tuff or a quartz-rich siltstone with an igneous or hydrothermal component.

New mapping in the southern part of the study area outlined the presence of the top of the Road River Group where previous mapping showed the Canol resting unconformably (?) on CDR1/CDr-OSI.

7.4.2 Mineral Occurrences

Tract 4 was divided in to 3 sub-tracts (a, b and c) due to the variety and density of mineral occurrences and geochemical anomalies, with thew highest densities being in the northern (tract 4a) and southern (tract 4c) parts of the tract. The outline of the southern part of tract 4c was defined by using new mapping, interpreting regional geochemistry and incorporating new mineral occurrence information.

Tract 4a

This tract hosts several mineral occurrences, 2 of which were previously documented as Minfile occurrences. The Border occurrence (Minfile 106L 017) consists of a gypsum lens measuring 800X300m, interpreted to have been emplaced along a strand of the Richardson Fault Array (between tract 4a tract 3a) during the Quaternary. The Polley occurrence (Minfile 116I 069) reportedly includes barite veins. The location is unclear but is probably within the Canol Formation.

Several new occurrences were discovered within tract 4a (or between tract 3a and 4a).

Chalcopyrite and red sphalerite occur in a normal fault between CDR1/OSI and CDR3/Sd. Sample 95DH-165 returned values of 2.68% Zn and 1905 ppm Cu.

Unit CDR3/Sd is pyritic, elevated in barite and locally contains pyritic baritic siltstone nodules (95DH-170). No significant occurrences were discovered within this unit.

The black shales of unit CDR4/Sdv have elevated background levels of Zn, Ni, Mo, Cd and Ba, as is found further south in Selwyn Basin. Many shale samples, with or without pyrite beds or pods, were found to be anomalous in those elements even when compared to these high background levels. This unit is very fossiliferous and, in tract 4a, yielded excellent examples of graptolites and nautiloids. Bituminous inclusions are common in quartz veins. Significant barium values (from 14 to 36% Ba) were obtained from what was probably limestone pods being replaced to witherite (?) crystals in a carbonaceous matrix (95DH-157, 96DH-21, 96GM-32, 34), as well as from pods of black recrystallized barite (96GM-33).

A continuous chip sample (95DH-23 to 37) was taken in a cliffy exposure where pyrite beds and lenses occurred at regular intervals, about 2 per meter. Values over 1000 ppm Zn over 7.5m are associated with anomalous As (>50 ppm), Cd (up to 40 ppm), Cu (100-200 ppm), Ni (average 200 ppm) and P (up to 3630 ppm) values. Sample 95DH-11, taken at the same locality, contains 32200 ppm P. Sample 95DH-15, located a few kilometers to the southeast, contains 81.5 ppm Cd.

Metal anomalies within the Canol formation in tract 4a are often fault-related. Samples within one fault zone at the northern end of the study area (95DH-68 to 73) are anomalous in As and P. Another, containing clay balls (96DH-4), is anomalous in P, U and Zn.

Quartz breccias and veins are common. Locally, gossanous rocks and even vegetation are covered by orange-rusty earthy powder, forming gossanous areas. This powder is anomalous in As and P.

Tract 4b

This tract is less anomalous in metal content than tracts 4a and c.
Black shales of the CDR4/ Sdv unit are stained with malachite (96DH-184a to c) and contain elevated levels of As, Cu, Sb and Zn.

Tract 4c

A shale hosted nickel-PGE sulphide horizon was discovered by Wayne Goodfellow from the GSC (pers. com., 1996). A thin (1.5 to 4 cm), conformable, sulphide-rich layer occurs at the contact between CDR4/SDv and the overlying Canol Formation. The base of the bed is wavy. Samples 96DH-42 a to h were taken at that original discovery site. The mineralization consists of thin pyrrhotite bands seemingly disrupted by soft-sediment deformation, in a dark organic-rich matrix.

The distinctive stratigraphic setting, described at the beginning of this section, is also present at station 96DH-33. The limestone ball unit is present as well as the fractured shale horizon with small barite nodules. Its upper contact, where the sulphide horizon is expected, is recessively weathered where accessible, or not accessible due to the nature of the exposure. The same setting was found again at stations 96DH-167 to 169.

Here, the top of the barite nodule-bearing fractured shale horizon is slightly folded and overlain by discontinuous rock types: a limestone bed at the southern end of the outcrop hosts disseminated pyrrhotite mineralization (96DH-169a to c). At the northern end, discontinuous carbonaceous bands, green leached coating (annabergite?) and vuggy, earthy, organic-rich material mark the contact. Although nickel values are lower than at 96DH-42 (but still anomalous), gold and PGE values are as high, or higher than where the pyrrhotite occurs as a massive sulphide bed. This occurrence might represent the reworked equivalent of the hydrothermal mineralization found at 96DH-42. The same stratigraphic setting was found again at 96KP-12 but was not investigated.

This highly prospective contact and direct or indirect evidence of mineralization were traced for more than 9 km of strike length. The recessive nature of the contact controls and limits it's exposure. The potential for mineralization along this contact is high. The extension southward of this contact as indicated by the new mapping as well as Goodfellow's documentation of other similar occurrences near and on the Peel River, 50 km south of 96DH-42, increases the prospective value of this horizon.

A thin, rusty, grungy, fractured horizon with bright turquoise and green coating was sampled at a transition from limestone to limestone interbedded with chert (96 DH-170b), down-section from stations 96DH-167 to 169 (in Sdv). This coating is possibly annabergite (or nickel bloom), an alteration product of nickel arsenides. Values were anomalous in the same elements that are characteristic of the shale-hosted nickel-sulphide: 15 ppb Au, 1710 ppm As, 58 ppm Co, 348 ppm Cu, 929 ppm Mo, 10500 ppm Ni, 5690 ppm P, 142 ppm Sb, 140 ppm U and 5980 ppm Zn. Although this horizon is extremely thin, it is significant in that it might indicate that the exhalative activity that produced the nickel-sulphide horizon that is found at the contact between CDR4/SDv and the Canol Formation could also have been active at other times. The time interval where we can expect these types of deposits might therefore be greater that previously thought.

7.4.3 Geochemical signature

Tract 4a is outlined by a large Zn-Ba-Cu anomaly as well as by a more linear Mo and Sb anomaly that overlaps the contact with tract 5. Rock geochemistry is characterized by high As, Ba, Cu, Mo, P, Sb and Zn values.

The western part of tract 4b contains a small linear Cu-Zn-Sb-Mo anomaly. A linear Ni anomaly over tract 5 is interpreted to be transported from it's source rocks in tract 4. The eastern part of tract 4b contains small discrete Ba and Mo anomalies

Very few silt samples were actually taken in tract 4c making precise interpretation difficult. The northern part of tract 4c contains a Zn, Cu, Ba anomaly that also overlaps with tracts 5 and 7. A linear Mo and Sb Ni anomalies are located west of tract 4c but are interpreted as transported anomalies. A Sb-Pb-Cu anomaly as well as two small discrete Mo and Ba anomalies characterize the southernmost tip of tract 4c. The geochemical signature of this tract is consistent with the metallogeny of shale-hosted nickel sulphide occurrences and with the rock geochemistry of the nickel sulphide horizon and it's underlying barite-rich bed.

7.4.4 Pertinent mineral deposit models

- All of tract 4 is prospective for SEDEX, shale hosted nickel sulphide and barite deposits.

Pro: The geochemical signature of Tract 4a is particularly favorable to SEDEX and barite deposits. These deposits occur elsewhere in the Cordillera in similar rocks of similar age. The structural setting of the basin is favorable for SEDEX mineralization. Significant gypsum mineralization is documented. High barite grades are found in discontinuous pods, less high ones in veins. Rocks of Tract 4c contain occurrences of shale-hosted nickel sulphide mineralization that could potentially occur all along the perimeter of the antiform; they are locally anomalous in As, Cu and P.

Con: crust not as attenuated, basin not as deep, sedimentary pile not as thick as in Selwyn basin. No mafic volcanics. No documentation of bedded barite. Nickel-sulphide horizon very thin.

The potential for volcanic-related mineralization depends on the actual origin of the porous feldspar-rich rocks in tract 4a.

- Colombian type emeralds

Pro: Black shale environment
Con: need a lagoonal depositional environment (shallower than the Richardson Trough) and a cratonic-type source for beryllium.

7.5 Tract 5- upper Devonian Imperial Formation

7.5.1 Stratigraphy

The Imperial Formation conformably overlies the dark siliceous shales and cherts of the Canol formation. These fine- to coarse-grained clastic rocks of turbidite origin are derived from an uplifted area in the north. In the study area, the Imperial consists of brownish, locally nodular, siltstone and sandstone interbedded with grey-brown shale and rare limestone beds. The unit is characterized by graded beds, flutes, load casts, tool marks, all sedimentary features indicative of a high energy environment.

7.5.2 Mineral Occurrences

The Polley occurrence (Minfile 116I 069) is described as a barite vein and is plotted as occurring in the Imperial Formation. Attempts to locate this occurrence during fieldchecking were not successful.

At a fault contact between the Canol and overlying Imperial formations, pyrite occurs in pods (nodules?) and as wisps (96KP-5). This sample is anomalous in Au, As, Cu, P, Pb and Sb.

A small limonitic fault breccia (95DH-14) is anomalous in Co, Ni and Zn. Shale and sandstone sample 96HR-4 is anomalous in Ba (2020 ppm).

7.5.3 Geochemical signature

A thin linear Ni anomaly is interpreted to be transported form source rocks in tract 4. A small Cu-Zn-Sb-Mo anomaly overlaps tract 4b and 5. An anomalous Zn sample occurs in the southern part of tract 5.

7.5.4 Pertinent mineral deposit models

- Barite (no evidence found)

7.6 Tract 6- Devonian Unnamed shale

7.6.1 Stratigraphy

The Devonian Unnamed shale has been correlated with the McCann Hill chert of Alaska which has also been correlated with the Canol Formation. It can be interpreted to represent sedimentation of Canol equivalent on the Yukon Block. D.K. Norris refers to this unit as the basal part of the Ford Lake Formation (pers. comm.) This unit outcrops very poorly. Exposures in the study area are limited to road quarries, to bare hillsides of poorly lithified or decomposed rock and rare outcrops.

Rock exposures in the study area consist of friable or fractured yellow to grey weathering, dark grey to grey waxy shale with thin rusty locally nodular siltstone interbeds as well as sandstone beds. Locally, both the siltstone and the shale can be pyritic.

7.6.2 Mineral Occurrences

At station 96DH-96, massive to disseminated pyrite appears bedded. One sample (96DH-96a) is slightly anomalous in Cu and Zn. A few samples contain more than 1000 ppm Ba. The yellow weathering is reminiscent of the Canol Formation, a strong sulphide smell is not uncommon.

7.6.3 Geochemical signature

A thin linear weak Ba anomaly occurs parallel to the eastern contact with the Ford Lake Formation.

7.6.4 Pertinent mineral deposit models

- SEDEX and barite

Pro: bedded ? pyrite, favourable deep basinal environment
Con: no evidence

7.7 Tract 7- Carboniferous Tuttle Formation (Upper Devonian to mid- Tournaisian), Ford Lake Formation (Upper Devonian to Viséan)

7.7.1 Stratigraphy

The Tuttle Formation consists of alternating fine- to coarse-grained clastics interpreted to be either a southward-advancing fluvio-deltaic clastic wedge or a marine turbidite. Transport direction was to the south. This unit is composed of white to beige to rusty weathering conglomerate to sandstone and minor shale. It forms resistant ridges. Chert clasts are common, as well as ironstone nodules. Fossils, plant and coal fragments have been observed as well. One sample (96DH-98) contained conformable fine- to coarse-grained pyrite pods.

The Ford Lake Formation interfingers and overlaps with the Tuttle Formation. It marks the return to basinal sedimentation with the deposition of grey to black pyritic shale, rusty weathering sandstone and local nodular siltstone horizons. It is partly equivalent to the Tuttle Formation. This unit, like the Devonian Unnamed shale, is very friable, recessive and outcrops very poorly.

7.7.2 Mineral Occurrences

Many rusty "gossans" occur in the Tuttle. No significant mineralization has been associated with these oxidized areas. The most significant sample contains slightly elevated values of Cu, V and Zn in a sandstone pervasively altered to hematite or limonite (95DH-41). Another oxidized conglomerate (95DH-193) was slightly anomalous in As, Ni and Pb.

A few Ford Lake Formation samples returned anomalous results. Sample 96HR-6b contained slightly elevated values of Co, Cu, Ni and Zn.

7.7.3 Geochemical signature

A thin elongate Zn anomaly is centered near the contact with tract 6. A Ba and a Zn anomaly occur at the southern end of tract 7, these might be transported from the east. A multi-element anomaly overlaps tracts 4, 5, 6 and 7 in the center of the study area but the portion overlapping tract 7 corresponds to the headwaters of the Eagle River and probably doesn't reflect metal values within tract 7.

7.7.4 Pertinent mineral deposit models

- Coal if non-marine origin of Tuttle formation

Pro: Traces of coal fragments in conglomerate

- epigenetic U if non-marine origin of Tuttle Formation (no evidence)

7.8 Tract 8- *Carboniferous Hart River Formation (upper Viséan and lower Serpukhovian), Blackie Formation (lower Serpukhovian to Bashkirian), Ettrain Formation (Moscovian), Permian Jungle Creek Formation (Asselian to Wordian)*

7.8.1 Stratigraphy

The Carboniferous part of the sequence consists of a carbonate-clastic assemblage. Unconformably overlying the Ford Lake-Tuttle clastic wedge, the sequence includes the Hart River, Blackie and Ettrain Formations of the Lisburne Group.

The Hart River Formation consists mainly of beige-weathering, clean, fine-grained, thinly laminated spiculite and spicule-rich lime packstone and represents basinal to restricted shelf depositional environment. This is the only formation in tract 8 to have been sampled during this project.

The Blackie Formation consists of siliciclastic and carbonate rocks and occurs only in the southernmost part of the study area. This formation records a second basinal shale development succeeded by a shallowing upward succession of carbonate ramp to platform. Rock types include dark grey calcareous shale and siltstone and silty, spiculitic limestone as well as sandy limestone, sandstone and conglomerate.

Ettrain Formation (and unnamed equivalent) forms a shelf complex that appears to prograde westward and southward, reflecting supratidal to upper slope to open shelf conditions. In the study area, rock types include limestone, abundant silty dolostone and siltstone that were deposited in a restricted shelf environment during regression that culminated with regional erosion in the latest Carboniferous or earliest Permian.

This regional unconformity everywhere marks the base of the Permian but it's nature and magnitude in study area is not clear.

The Jungle Creek Formation represents the Permian part of the sequence in the study area. It consists of shallow marine to basinal fine-grained sandstone, siltstone and shale and silty to sandy carbonates.

7.8.2 Mineral Occurrences

Samples of nodular horizon at the top of a friable shale unit near its contact with a overlying limestone contain up to 5.9% P and 369 ppm U (96HR-14a to c). A strong fetid smell was present.

7.8.3 Geochemical signature

The eastern part of tract 8 contains a Ni-Zn anomaly that is interpreted to be transported from the east.

It is to be noted that the topographic characteristics of this tract do not favour strong geochemical signatures.

7.8.4 Pertinent mineral deposit models

- Evaporite: Pro: favourable sedimentary environment
- Phosphate: favourable sedimentary environment, high phosphate content in 3 samples
- Uranium at sub-Permian unconformity: favourable sedimentary environment

7.9 Tract 9- Jurassic to Cretaceous Husky Formation, North Branch Formation, Cretaceous Martin Creek Formation, Mount Goodenough Formation, Rat River Formation, Eagle Plain Formation.

7.9.1 Stratigraphy (from Dixon, 1992)

The Husky Formation is a shale dominant marine succession with thin interbeds of siltstone and very fine-grained sandstone with ironstone concretions. It represents a predominantly marine environment. The North Branch and Martin Creek Formations are progradational, coarsening-upward, shallow marine sandstones.

A major unconformity, cutting down to Devonian strata in the study area, separates the Lower from the Upper Cretaceous. The Mount Goodenough Formation rests unconformably on older beds and consists of thin, basal, transgressive, fine grained, finely laminated sandstone abruptly overlain by a thick shale succession. It represents marine sedimentation. The Rat River Formation consists of marine shelf deposits of thick, coarsening upward cycles overlain by shale and sandstone units. Textures indicate prograding and/or aggrading shelf or shoreline deposits. The sandstones and shales of the Eagle Plain Formation indicate deposition in a near-shore to inner shelf environment and record two large-scale transgressive-regressive cycles. In the younger strata of the Eagle Plain Group, facies changes indicate a northward progression from non-marine to marine shelf deposits. (Note: Dixon disagrees with some of Norris's mapping, mainly on the edges of Eagle Plain). Only the top of the Eagle Plain Group was sampled for this study.

7.9.2 Mineral Occurrences

Coal has been reported in the oil well logs, mostly in minor quantities. Wells I-05 and D-54 report significant coal occurrences in sandstone.

7.9.3 Geochemical signature

No geochemical anomalies are reported within this tract. It is to be noted that the topographic characteristics of this tract do not favour strong geochemical signatures.

7.9.4 Pertinent mineral deposit models

- Coal in non-marine portion of section.

Pro: some coal documented in well logs

Con: significance of occurrences not clear, no outcrop, section dominantly marine

7.10 All tracts: aggregate

No glacial gravel deposits are found within the limits of the study area. Material suitable for aggregate can be found in the alluvial deposits blanketing the present streambeds as well as in the top pediment layer (1m) that blankets the bedrock. (A. Duk-Rodkin, pers. comm.) Although pediment layers are quite extensive, the thin nature of the gravelly layer does not render it suitable for commercial exploitation.

8. Final Ranking and conclusions

An assessment panel composed of industry and government geologists familiar with the geology and mineral deposit models pertinent to the study area was convened in March 1997. A unanimous ranking of all tracts was reached. A mineral potential map showing the relative ranking of all tracts is included in Appendix 7.

Ranking	Tract number
Highest	4a, 4c, 3a, 3c
High	4b, 3b, 1
Medium	6
Lowest	2, 5, 7
Potential for large deposit but insufficient information	8,9

In conclusion, according to the information available at the time of this study, the greatest mineral potential for metallic minerals in the study area is to be found in rocks underlying the British-Richardson Mountains ecoregion (tracts 1 to 4). The geological setting of the Richardson Trough is favourable for hosting several types of mineral deposits. The northern and southern ends of tracts 3 and 4 hold the greatest promise for hosting economic mineralization. These tracts host mineral occurrences and are highly anomalous in their geochemistry. The central area of these tracts (3b and 4b) is less anomalous in their rock and silt geochemistry and hence rank lower in their mineral potential.

Rocks underlying the Eagle Plain ecoregion generally rank lower. The sedimentary environment of the rocks included in tracts 5 to 7 is less conducive to economic mineralization. Evaluation is hampered by poor rock exposure. Although the sedimentology of the rocks occurring at the western edge of the study area (tracts 8 and 9) is favourable to hosting sizeable deposits (evaporite and coal), the lack of detailed information precludes a confident relative ranking. Rock units occurring only in the subsurface have not been included in this assessment.

Structurally controlled mineralization is documented at the Border (106L 017, tract 4), Touché (106I 064, tract 3a)and Twice (106L 052, tract 1) Minfile occurrences. Mineralization at the Border and Touché is emplaced along strands of the Richardson Fault Array. Mineralization at the Twice is related to structures whose relationship, if any, to the Richardson Fault array is unclear.

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APPENDIX 1

Minfile Occurrences

YUKON MINFILE
STANDARD REPORT
EXPLORATION AND GEOLOGICAL SERVICES DIVISION, DIAND
WHITEHORSE

NAME(S): Twice
MINFILE #: 106L 052
MAJOR COMMODITIES: Pb,Zn
MINOR COMMODITIES:
TECTONIC ELEMENT: Mackenzie Platform

NTS MAP SHEET: 106 L 4
LATITUDE: 66°10'00"N
LONGITUDE: 135°53'00"W
DEPOSIT TYPE: Mississippi Valley
STATUS: Showing

CLAIMS (PREVIOUS AND CURRENT)

PETE, TWICE, RAS, TUS

WORK HISTORY

Staked in Jul/74 as Pete cl (Y82763) by Ecstall Mg L (Texas Gulf Sulphur); the Ceno cl (Y89448) and Twice cl (Y89433) by Noranda; and the RAS and TUS cl (Y89563) by Amax. All groups were explored with mapping and geochem sampling in 1974 and 1975.

GEOLOGY

The claims cover the north part of a window of Lower Cambrian carbonate rocks exposed through Middle Cambrian shale in the core of a broad anticline. The carbonates are pyritic and have a high lead (up to 800 ppm) and Zn (up to 4000 ppm) background which is partly due to numerous minor occurrences of galena, sphalerite and pyrite in vugs and local breccia zones.

The main showing on the Pete group is 90 m long and consists of colloform smithsonite and galena with white calcite, in a brecciated fault zone.

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YUKON MINFILE
STANDARD REPORT
EXPLORATION AND GEOLOGICAL SERVICES DIVISION, DIAND
WHITEHORSE

NAME(S): Llod
MINFILE #: 116I 053
MAJOR COMMODITIES: Zn,Pb
MINOR COMMODITIES:
TECTONIC ELEMENT: Mackenzie Platform

NTS MAP SHEET: 116 I 1
LATITUDE: 66°03'00"N
LONGITUDE: 136°00'00"W
DEPOSIT TYPE: Mississippi Valley
STATUS: Drilled prospect

CLAIMS (PREVIOUS AND CURRENT)

LLOD

WORK HISTORY

Staked as Llod cl (Y90012) in Sep/74 by Amoco Can Pet CL, which conducted mapping and geochem sampling in 1974 and 1975 and drilled some short packsack holes in 1976.

GEOLOGY

Minor sphalerite and galena occur in a locally dolomitized limestone breccia on the west flank of the Richardson Anticlinorium. The mineralization occurs in a sequence of limestone, chert and minor shale stratigraphically equivalent to the Ordovician to Lower Devonian Road River Group.

REFERENCES

AMOCO CANADA PETROLEUM CO. LTD, Oct/75. Assessment Report #090038 by P. Maingot.

GEOLOGICAL SURVEY OF CANADA, 1980. Open File 715.

MINERAL INDUSTRY REPORT 1974, p. 87-88; 1975, p. 92.

NORRIS, D.K., ET AL., 1993. The geology, mineral and hydrocarbon potential of the Northern Yukon Territory and Northwestern District of Mackenzie. Geological Survey of Canada Memoir, in press.

YUKON MINFILE
STANDARD REPORT
EXPLORATION AND GEOLOGICAL SERVICES DIVISION, DIAND
WHITEHORSE

NAME(S): Harival
MINFILE #: 116I 054
MAJOR COMMODITIES: Zn,Pb
MINOR COMMODITIES:
TECTONIC ELEMENT: Mackenzie Platform

NTS MAP SHEET: 116 I 1
LATITUDE: 66°06'00"N
LONGITUDE: 136°05'00"W
DEPOSIT TYPE: Vein
STATUS: Drilled prospect

CLAIMS (PREVIOUS AND CURRENT)

DOLL

WORK HISTORY

Staked as Doll cl (Y89886) in Aug/74 by Amoco Can Pet CL, which conducted mapping and geochem sampling in 1974 and 1975 and a gravity survey in 1975, and drilled some short packsack holes in 1976.

GEOLOGY

Sphalerite and galena occur in a tectonic breccia formed in limestone and shale on the west flank of the Richardson Anticlinorium. The host rocks are stratigraphically equivalent to the Ordovician to Lower Devonian Road River Group.

REFERENCES

GEOLOGICAL SURVEY OF CANADA, 1980. Open File 715.

MINERAL INDUSTRY REPORT 1974, p. 87-88; 1975, p. 91.

NORRIS, D.K., ET AL., 1993. The geology, mineral and hydrocarbon potential of the Northern Yukon Territory and Northwestern District of Mackenzie. Geological Survey of Canada Memoir, in press.

YUKON MINFILE
STANDARD REPORT
EXPLORATION AND GEOLOGICAL SERVICES DIVISION, DIAND
WHITEHORSE

NAME(S): Vittrekwa
MINFILE #: 106L 055
MAJOR COMMODITIES: Pb,Zn
MINOR COMMODITIES:
TECTONIC ELEMENT: Mackenzie Platform

NTS MAP SHEET: 106 L 13
LATITUDE: 66°46'00"N
LONGITUDE: 135°55'00"W
DEPOSIT TYPE: Mississippi Valley
STATUS: Showing

CLAIMS (PREVIOUS AND CURRENT)

VIT

WORK HISTORY

Staked as 140 Vit cl (89746) in Aug/74 by Amoco Can Pet CL, which conducted mapping and geochem sampling in 1974 and 1975.

GEOLOGY

Minor galena and sphalerite occur in breccia zones in limestone and shale of the Ordovician to Lower Devonian Road River Group. The showing occurs on the east flank of the large north-trending anticline which forms the south end of the Richardson Mountains.

REFERENCES

GEOLOGICAL SURVEY OF CANADA, 1980. Open File 715.

MINERAL INDUSTRY REPORT 1974, p. 91.

NORRIS, D.K., ET AL., 1993. The geology, mineral and hydrocarbon potential of the Northern Yukon Territory and Northwestern District of Mackenzie. Geological Survey of Canada Memoir, in press.

YUKON MINFILE
STANDARD REPORT
EXPLORATION AND GEOLOGICAL SERVICES DIVISION, DIAND
WHITEHORSE

NAME(S): Polley
MINFILE #: 116I 069
MAJOR COMMODITIES: Ba
MINOR COMMODITIES:
TECTONIC ELEMENT: Mackenzie Platform

NTS MAP SHEET: 116 I 16
LATITUDE: 66°57'00"N
LONGITUDE: 136°20'00"W
DEPOSIT TYPE: Vein
STATUS: Showing

CLAIMS (PREVIOUS AND CURRENT)

WORK HISTORY

Mapped by the GSC but never staked.

GEOLOGY

Barite veins are present in an area mapped as Upper Devonian Imperial Formation shale and sandstone.

REFERENCES

GEOLOGICAL SURVEY OF CANADA Open File 875.

YUKON MINFILE
STANDARD REPORT
EXPLORATION AND GEOLOGICAL SERVICES DIVISION, DIAND
WHITEHORSE

NAME(S): Cronin
MINFILE #: 116I 070
MAJOR COMMODITIES: Ba
MINOR COMMODITIES: Zn
TECTONIC ELEMENT: Mackenzie Platform

NTS MAP SHEET: 116 I 16
LATITUDE: 66°50'00"N
LONGITUDE: 136°22'00"W
DEPOSIT TYPE: Vein
STATUS: Showing

CLAIMS (PREVIOUS AND CURRENT)

WORK HISTORY

Noted by the GSC but never staked.

GEOLOGY

Barite veins are present in an area mapped as Upper Devonian Canol Formation shale and chert. Hydrozincite was noted in Ordovician to Lower Devonian Road River Group shale about 3 km to the southeast.

REFERENCES

GEOLOGICAL SURVEY OF CANADA Open File 875.

YUKON MINFILE
STANDARD REPORT
EXPLORATION AND GEOLOGICAL SERVICES DIVISION, DIAND
WHITEHORSE

NAME(S): Joyal
MINFILE #: 116I 071
MAJOR COMMODITIES:
MINOR COMMODITIES: Cu
TECTONIC ELEMENT: Mackenzie Platform

NTS MAP SHEET: 116 I 9
LATITUDE: 66°42'00"N
LONGITUDE: 136°14'00"W
DEPOSIT TYPE: Unknown
STATUS: Anomaly

CLAIMS (PREVIOUS AND CURRENT)

WORK HISTORY

Mapped by the GSC but never staked.

GEOLOGY

Malachite is present in a Cambro-Ordovician limestone-shale sequence.

REFERENCES

GEOLOGICAL SURVEY OF CANADA Open File 875.

YUKON MINFILE
STANDARD REPORT
EXPLORATION AND GEOLOGICAL SERVICES DIVISION, DIAND
WHITEHORSE

NAME(S): Border
MINFILE #: 106L 017
MAJOR COMMODITIES: Gypsum
MINOR COMMODITIES: -
TECTONIC ELEMENT: Mackenzie Platform

NTS MAP SHEET: 106 L 13
LATITUDE: 66°59'30"N
LONGITUDE: 135°53'30"W
DEPOSIT TYPE: Other
STATUS: Showing

CLAIMS (PREVIOUS AND CURRENT)

WORK HISTORY

Discovered by the GSC and apparently never staked.

GEOLOGY

A lens of gypsum approximately 800 m long and 300 m wide has been emplaced along a strand of the Richardson Fault Array. This NNW-trending normal fault lies close to the northern limit of the Richardson Anticlinorium and juxtaposes Upper Devonian Imperial Formation shale against black graptolitic Road River Group shale and limestone.

REFERENCES

GEOLOGICAL SURVEY OF CANADA Map 1524A.

NORRIS, D.K., ET AL., 1993. The geology, mineral and hydrocarbon potential of the Northern Yukon Territory and Northwestern District of Mackenzie. Geological Survey of Canada Memoir, in press.

YUKON MINFILE
STANDARD REPORT
EXPLORATION AND GEOLOGICAL SERVICES DIVISION, DIAND
WHITEHORSE

NAME(S): Pilon
MINFILE #: 106L 033
MAJOR COMMODITIES: Pb,Zn
MINOR COMMODITIES: -
TECTONIC ELEMENT: Mackenzie Platform

NTS MAP SHEET: 106 L 4
LATITUDE: 66°07'00"N
LONGITUDE: 135°48'00"W
DEPOSIT TYPE: Mississippi Valley
STATUS: Drilled Prospect

CLAIMS (PREVIOUS AND CURRENT)

ML, ENOC

WORK HISTORY

First noted by the GSC and staked in Jul/74 as ML cl (Y89587) by Amoco and as Enoc cl (Y89472) by Noranda. Noranda conducted mapping and geochem sampling in 1974. Amoco explored with mapping and geochem sampling in 1974 and 1975 and some short packsack holes in 1976.

GEOLOGY

The claims cover part of a window of Lower Cambrian Illtyd Formation limestone exposed by faulting in the core of a broad anticline, through Middle Cambrian Slats Creek and Taiga Formation shale. The carbonate rocks are pyritic and have a high lead (up to 800 ppm) and zinc (up to 400 ppm) background imparted by numerous minor occurrences of galena, sphalerite and pyrite in vugs and local breccia zones.

REFERENCES

GEOLOGICAL SURVEY OF CANADA Paper 74-1A, p. 343.

MINERAL INDUSTRY REPORT 1974, p. 88-89; 1975, p. 78.

NORRIS, D.K., ET AL., 1993. The geology, mineral and hydrocarbon potential of the Northern Yukon Territory and Northwestern District of Mackenzie. Geological Survey of Canada Memoir, in press.

APPENDIX 2

Lithogeochemical results

95 results- all samples

SAMPLE	approx location	formation	description	Au	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Mg	Mn	Mo	Ni	P	Pb	Sb	Sc	Sr	Ti	U	V	W	Zn
				ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
																			(%P2O5)									
95DH-7	km 403.7 116I/9	Di	slicked qtz(also drusy) on coarse brown sandstone	<5	<.2	6	130	<2	0.09	<.5	8	185	14	3.39	0.24	180	1	35	410	4	<2	2	12	<.01	<10	32	<10	88
95DH-11	km 450 116I/16	SDv	rusty weath loc brecciated //So shale	<5	1.2	62	160	<2	2.67	12	1	56	74	3.78	0.15	15	51	65	3.32%	30	38	1	1035	0.04	10	2070	<10	660
95DH-13A	km 440.9 16I/16	Dc	1-3cm thick grey to white weathering sandy bed.pyro?																									
95DH13B	"	Dc	30cm wide qtz breccia in yellow weath sil shales 042/80	<5	0.2	532	200	<2	0.14	14.5	<1	150	47	3.05	0.02	5	366	17	7820	2	46	24	1475	<.01	80	2610	<10	72
95DH-14	Real Rx Ck 116I/16	Di	20-30cm wide limonitic fault breccia in shale, gtz-carb (-gyps?) veinlets	<5	<.2	12	110	<2	6.66	2.5	139	54	70	5.55	1.36	4330	2	413	260	10	<2	9	338	<.01	<10	62	<10	916
95DH-15A	RRC trib 116I/16	Dc/SDv? fault	2m chip in brecc. limonitic calcareous shale w thin Vq cc and 8cm Vcc	<5	0.6	48	30	<2	8.95	9	11	52	78	3.77	0.89	215	32	166	1610	14	6	4	516	<.01	10	290	<10	654
95DH-15B	RRC trib 116I/16	Dc/SDv? fault	rusty calcite vein Fx in black matrix. in fault sampled above	<5	<.2	4	220	<2	>15.00	1.5	1	5	13	0.27	0.15	395	1	21	80	<2	2	<1	901	<.01	<10	26	<10	128
95DH-16A	RRC trib 116I/16	SDv? (Di)	rep sample: black friable limey shale, loc resistant pyritic horizon, chip 2m	<5	0.6	16	60	<2	2.6	1	12	57	68	2.71	1.28	135	3	73	970	10	4	7	237	<.01	<10	82	<10	250
95DH-16B	RRC trib 116I/16	SDv? (Di)	composite of 3 grey pyritic siltstone beds 8, 20 and 25cm thick	<5	0.4	16	60	<2	12.65	<.5	3	21	36	3.05	6.72	655	2	19	120	4	2	5	1190	<.01	<10	58	<10	78
95DH-16C	RRC trib 116I/16	SDv? (Di)	1m zone of rusty qtz-cc veining and fracturing w sulph alt	<5	0.6	14	230	<2	12.3	1.5	18	28	65	3.22	1.63	505	4	149	210	8	2	7	522	<.01	<10	61	<10	1415
95DH-17	RRC trib 116I/16	Dc	1m rep of fin. bedded chert/loc shale, loc yellow and rusty weath	<5	0.4	4	600	<2	0.11	<.5	<1	41	5	0.38	0.03	5	24	14	20	2	<2	<1	22	<.01	<10	95	<10	8
95DH-18	Real Rx Ck 116I/16	?	float in ck, siltstn cgl-breccia w carb matrix, diss cp bo py <1%	<5	<.2	2	100	2	>15.00	<.5	2	14	6	0.69	0.38	245	1	8	2920	2	<2	<1	309	<.01	<10	18	<10	26
95DH-19	Real Rx Ck 116I/16	Dc?/SDv?	.5 m chip of fractured shales coated w rusty and white gypsum ?	<5	2.4	60	110	<2	4.63	31	45	74	124	2.87	0.37	305	10	205	2760	20	8	6	542	<.01	10	668	<10	1190
95DH-20	Real Rx Ck 116I/16	SDv?	brecc. shale w lim-gyps-qtz? coating on fract and lining Fx. tr malach. float	<5	3.2	86	160	<2	3.99	16.5	6	76	309	2.23	0.57	80	25	148	700	16	52	4	289	<.01	<10	712	<10	832
			samples -23 to 37 : one continuous section from base to top																									
95DH-023	km 450 116I/16	SDv	carb grapt. limey sh w parts of 2 mass. py pods. slicked irid. stain chip 0.5m	<5	0.8	56	50	<2	5.28	24	3	70	107	4.9	0.76	85	43	172	350	14	2	2	478	0.03	10	817	<10	928
95DH-024	km 450 116I/16	SDv	carb graptol.shale, slightly limey. no noted sulphides. chip 0.8m	<5	0.6	32	690	<2	4.88	28	3	71	98	0.93	0.85	70	51	201	540	8	2	3	485	0.02	10	1225	<10	1045
95DH-025	km 450 116I/16	SDv	carb graptol.shale w 1 to 2 cm band py. chip 0.61m	<5	1.2	114	10	<2	4.07	17	2	77	254	6.14	0.65	80	55	209	1780	18	6	2	175	0.03	10	1305	<10	686
95DH-026	km 450 116I/16	SDv	carb graptol.sh w 2 wavy banded py bands 1 to 1.5 cm. chip 0.4m	<5	0.8	54	30	<2	4.32	15.5	3	70	120	4.03	0.58	60	62	217	1310	22	12	3	273	0.02	10	1345	<10	680
95DH-027	km 450 116I/16	SDv	carb sh w 1 cm py band and 1-4 cm pinch +swell lenses.chip 0.58 cm	<5	0.6	58	20	<2	4.01	20.5	3	76	143	4.64	0.64	60	63	207	2230	22	14	3	248	0.03	10	1560	<10	906
95DH-028	km 450 116I/16	SDv	platy siliceous shale w 1cm band of massive py. chip 0.67m	<5	1	62	80	<2	4.13	22	3	59	104	1.86	0.85	75	64	211	320	12	2	3	266	0.01	10	1190	<10	956
95DH-029	km 450 116I/16	SDv	carb shale w 1-2 cm sulph band. chip 0.6m	<5	0.6	56	70	<2	3.48	19.5	3	66	189	3.33	0.71	50	54	197	1470	10	4	2	234	0.02	10	1295	<10	1240
95DH-030	km 450 116I/16	SDv	shale w planar 2-4 cm dark green sulph band, py in core. chip 0.47m	<5	0.8	54	60	<2	3.37	21.5	2	73	144	2.6	0.53	45	61	199	1140	16	6	3	181	0.03	10	1515	<10	958
95DH-031	km 450 116I/16	SDv	sample of sulphide pod in 95 DH-29, 4 cm thick (fold?)	<5	1.8	142	10	<2	0.79	3.5	1	133	495	11.05	0.07	10	56	99	3630	24	12	<1	38	0.07	<10	1770	<10	336
95DH-032	km 450 116I/16	SDv	sulphide-rich layer in DH-30, py in core. 4 cm	<5	1.4	66	10	<2	0.54	2.5	<1	117	149	7.19	0.06	10	66	98	190	28	4	<1	28	0.05	<10	1325	<10	200
95DH-033	km 450 116I/16	SDv	carb shale w py band 1-2 cm. chip 0.6m	<5	0.8	82	10	<2	3.42	17.5	2	76	194	5.96	0.55	55	69	222	1000	20	8	2	111	0.02	10	1435	<10	1020
95DH-034	km 450 116I/16	SDv	shale w 2-4 cm planar sulph band, looks like DH-30. chip 0.55m	<5	0.8	64	10	2	4.93	47	4	90	178	2.96	0.78	80	93	268	600	18	10	3	194	0.03	20	1785	<10	2400
95DH-035	km 450 116I/16	SDv	shale no visible sulph. chip 0.43m	<5	1.2	38	40	<2	3.08	38	2	90	130	1.25	0.4	40	72	204	590	12	4	3	189	0.02	10	1840	<10	1805
95DH-036	km 450 116I/16	SDv	carb shale w brecciated horizon, sulph? chip 0.55m	<5	0.8	86	30	<2	1.79	40.5	1	77	91	2.35	0.24	15	81	171	1370	12	10	3	172	0.03	10	1970	<10	1155
95DH-037	km 450 116I/16	SDv	carb shale w tabular sulph-rich horizon. chip 0.58m	<5	1	42	40	<2	3.23	41	2	76	114	1.93	0.5	55	52	171	1770	12	6	3	261	0.03	10	1695	<10	1150
95DH-038	km 395.6 116I/10	Ct	rep of conglomerate w limonitic coating on fractures	<5	<.2	<2	360	<2	0.01	<.5	<1	235	7	0.5	<.01	5	1	3	140	2	<2	<1	24	<.01	<10	37	<10	6
95DH-039	km 395.6 116I/10	Ct	pervasively limonitic Tuttle cgl	<5	<.2	34	450	<2	<.01	<.5	3	330	21	5.55	0.01	40	1	37	2910	2	<2	4	57	<.01	<10	128	<10	134
95DH-040	km 393.3 116I/10	Ct	clean sandstone w sl. weath surfaces, some chert Fx-rich laminae s/c	<5	<.2	<2	150	<2	<.01	<.5	<1	112	1	0.28	0.01	5	<1	1	120	<2	<2	<1	22	<.01	<10	16	<10	4
95DH-041	km 393.3 116I/10	Ct	pervasively altered med to c.g. sandstone w altern rigs of hem/lim (nod?) float	<5	<.2	18	60	<2	<.01	<.5	6	91	197	>15.00	<.01	35	<1	70	620	2	<2	9	13	<.01	<10	235	<10	484
95DH-042	km 393.3 116I/10	Ct	clean c.g. clast to matr (sand to fg cgl) supp cgl w elongate chert pebbles s/c	<5	<.2	4	240	<2	0.01	<.5	<1	233	1	0.46	0.01	5	<1	3	340	2	<2	<1	35	<.01	<10	19	<10	2
95DH-043	km 403.7 116I/9 S of AC	Di	composite chip of crumbly grey (waxy) shale. 0.53m	<5	<.2	6	400	<2	0.23	<.5	18	49	68	3.7	0.84	235	2	58	580	16	<2	7	62	<.01	<10	89	<10	160
95DH-044	km 403.7 116I/9 S of AC	Di	composite chip of rusty weath grey siltstone. 0.63m	<5	<.2	8	400	<2	0.23	1	18	94	37	4.39	0.72	175	2	69	650	18	<2	5	42	<.01	<10	92	<10	292
95DH-045	116I/9 N of AC	Di	composite chip of grey green rusty shale (some thin sstone).1.5m	<5	<.2	20	450	<2	0.25	<.5	8	46	38	3.67	0.51	100	2	38	410	30	<2	6	53	<.01	<10	77	<10	110
95DH-046	116I/9 N of AC	Di	composite chip of rusty weath grey siltstone . 0.27m	<5	<.2	6	160	<2	0.24	0.5	14	43	43	3.85	0.68	155	1	93	620	6	<2	5	17	<.01	<10	53	<10	228
95DH-047	116I/9 N of AC	Di	composite chip of rusty weath grey green shale. 0.81m	<5	<.2	24	230	<2	0.1	<.5	13	41	37	3.9	0.59	150	1	46	430	34	<2	6	27	<.01	<10	50	<10	92
95DH-048	116I/9 N of AC	Di	composite chip of rusty weathering of grey siltstone. 0.52m	<5	<.2	4	160	<2	0.18	0.5	13	55	38	4.51	0.86	220	<1	47	570	2	<2	5	16	<.01	<10	56	<10	180
95DH-049	from pit at km 412 116I/9	Sd	rep beige weath grey bioturbated platy argillite, loc sl limey	<5	<.2	2	1100	<2	0.94	<.5	4	30	25	2.26	1.05	350	<1	22	290	4	<2	3	50	<.01	<10	21	<10	46
95DH-050	from pit at km 412 116I/9	Sd	orange weath grey pyritic dolom, platy, fissile	<5	<.2	2	2020	2	9.16	<.5	3	19	19	4.2	3.7	1885	<1	14	240	2	<2	3	320	<.01	<10	14	<10	74
95DH-051	from pit at km 412 116I/9	OSI	rep of beige grey dolom (60%) and black chert (40%) cut by disc thin Vcarb	<5	<.2	<2	110	2	9.95	1	<1	122	24	0.16	5.96	130	3	4	1230	<2	<2	<1	38	<.01	<10	53	<10	66
95DH-51B		OSI	sigmoidal zebra dolomite w carb-filled sigm and qtz+ opaque in core																									
95DH-052	from pit at km 412 116I/9	Dc?	brecciated chert in drusy qtz-cc matrix. Fx loc py. Fetid. Small black min.	<5	<.2	2	580	2	>15.00	8.5	<1	62	12	0.13	0.55	65	2	15	190	<2	<2	<1	454	<.01	<10	49	<10	336
95DH-053	Cu showing ridge 116I/9	OSI vein	c.g.qtz + sparry calcite w 1% interst. pods of tarnished cp w malach halo	80	1.4	6	60	<2	>15.00	1	<1	58	6810	0.87	1.23	380	<1	1	120	4	2	<1	424	<.01	<10	31	<10	84
95DH-054	Cu showing ridge 116I/9	OSI vein	qtz w grey striped sparry cc+seams of yel-brown cc+ 1% pods of lim-cp-mal	<5	0.4	2	40	2	>15.00	<.5	<1	17	1670	0.63	3.8	1205	<1	<1	10	<2	<2	<1	624	<.01	<10	53	<10	34
95DH-055	Cu showing ridge 116I/9	OSI?	carbonate breccia almost looks dykish	<5	<.2	2	50	2	>15.00	<.5	<1	14	13	0.26	3.69	145	<1	1	180	<2	<2	<1	490	<.01	<10	4	<10	36
95DH-056	Cu showing ridge 116I/9	COr?	10m wide v. coarse orange and white cc vein trends 120. dense, baritic?	<5	<.2	<2	90	<2	>15.00	<.5	<1	1	55	0.13	0.33	140	<1	<1	60	<2	<2	<1	1340	<.01	<10	3	<10	18
95DH-057	Cu showing ridge 116I/9	COr	rep sample of grey limestone. float	<5	<.2	<2	280	<2	>15.00	<.5	<1	6	6	0.12	0.49	190	<1	1	610	<2	2	<1	1180	<.01	<10	13	<10	30
95DH-058	Cu showing ridge 116I/9	OSI	rep sample of banded grey, brown and black pyritic limestone, float	<5	<.2	4	580	<2	>15.00	<.5	<1	7	9	0.22	0.28	125	<1	2	1390	<2	2	<1	834	<.01	<10	29	<10	34
95DH-059	Cu showing ridge 116I/9	Sd	rep sample of platy green grey beige argillite	<5	<.2	2	970	<2	1.07	<.5	4	27	35	1.47	0.4	95	<1	19	370	6	<2	2	43	<.01	<10	20	<10	50
95DH-060	Cu showing ridge 116I/9	Dc	1m chip of rusty and yellow weathering chert. beds 2-6 cm, very friable	<5	<.2	14	380	<2	0.04	0.5	<1	63	44	0.73	0.01	<5	36	28	140	4	<2	2	37	<.01	<10	96	<10	6
95DH-061	3.5 km N of lodge116I/7	Dss	fin band friable yel to grey weath grey shale w ox band cut by disc Vcarb?2m	<5	0.2	24	220	<2	0.41	1	1	30	44	1.6	0.06	5	6	23	250	14	<2	3	44	<.01	<10	132	<10	92
95DH-062	app km 462 116P/1	Kmg?	large limestone nodule (10 cm in diam) in dark grey-brown brown shale. float	<5	<.2	16	120	<2	13.75	<.5	6	13	8	3.28	0.38	435	<1	15	2380	22	<2	3	395	<.01	<10	17	<10	42
95DH-063	NW of km 450 116 I/16	Dc? breccia	boulder of qtz breccia w open xtall texture. No vis sulph	<5	<.2	2	430	<2	0.15	<.5	<1	311	10	0.37	<.01	15	17	6	420	2	<2	3	113	<.01	<10	76	<10	2
95DH-064	NW of km 450 116 I/16	Dc breccia	Qtz brecc w Dc Fx lined w drusy qtz, yellow-green sulph staining. float	<5	0.4	4	780	<2	0.02	<.5	<1	212	4	0.56	0.01	10	15	16	180	6	<2	1	64	<.01	<10	117	<10	20
95DH-065	NW of km 450 116 I/16	Dc breccia	rusty breccia-vein 4cm w yel drusy qtz lining sh Fx.loc clay gouge. 090/90	<5	0.4	22	470	<2	0.09	<.5	<1	301	3	1.02	0.01	10	24	7	320	2	<2	1	32	<.01	<10	61	<10	<2
95DH-066	NW of km 450 116 I/16	Dc fault	qtz breccia w ang sh Fx, yellow stained qtz matrix, ox fracture planes. s/c	<5	0.6	8	130	<2	0.07	1.5	<1	210	2	0.58	<.01	5	13	6	1290	12	2	6	241	<.01	<10	201	<10	132
95DH-067	NW of km 450 116 I/16	Dc fault	rusty weath breccia w angular shale (+qtz?) Fx w limonitic cement-ferricrete?	<5	1.6	74	200	<2	0.01	<.5	<1	175	7	4.82	0.02	5	63	18	990	16	6	1	149	<.01	<10	325	<10	4
95DH-068	NW of km 450 116 I/16	Dc fault	rusty porous limonitic colloform space filling material w some shale Fx	<5	0.6	4430	80	4	<.01	<.5	<1	103	4	>15.00	0.01	<5	176	<1	2.83%	8	10	8	78	<.01	10	3550	<10	8
95DH-069	NW of km 450 116 I/16	Dc fault	grey qtz breccia, quite broken up, dense, yellow alt s/c	<5	0.2	54	150	<2	0.25	<.5	<1	314	13	1.42	<.01	5	45	7	4390	6	10	21	1770	<.01	20	637	<10	20
95DH-070	NW of km 450 116 I/16	Dc fault	friable oxidized shales cut by network of thin drusy qtz veinlets	15	3.4	682	220	<2	0.01	<.5	<1	206	2	3.32	0.02	5	46	5	2060	156	8	4	42	<.01	<10	247	<10	2
95DH-071	NW of km 450 116 I/16	Dc fault	limonitic breccia, angular shale Fx w limonitic cement, porous. ferricrete?	5	1	1510	130	2	0.01	<.5	<1	93	14	14.8	0.02	5	69	5	3540	8	4	6	66	<.01	10	1615	<10	28
95DH-072	NW of km 450 116 I/16	Dc fault	grey breccia w qtz cement + yellow alt, graphitic slick planes	<5	1.2	38	200	<2	0.06	<.5	<1	113	10	2.16	0.02	<5	37	22	1530	16	6	6	526	<.01	10	338	<10	4
95DH-073	NW of km 450 116 I/16	Dc fault	Vq w drusy qtz around shale Fx, lt geen mineral ap? 1m min thick 115 deg	<5	0.8	6	770	<2	<.01	4.5	<1	348	16	0.41	<.01	10	7	6	210	16	<2	2	108	<.01	<10	37	<10	276
95DH-074	NW of km 450 116 I/16	Dc	punky porous pink-red weath sandstone w interst orange clay material	<5	0.2	184	590	<2	0.02	<.5	1	177	55	4.58	<.01	5	20	41	2140	2	6	26	285	<.01	<10	317	<10	112
95DH-075	NW of km 450 116 I/16	Dc breccia	brecciated shales in qtz matrix, some drusy. 295/80. dk purple hem? stain	<5	0.6	22	550	<2	0.12	<.5	<1	216	25	0.89	0.01	5	68	21	1680	18	2	4	550	<.01	10	318	<10	12
95DH-076	NW of km 450 116 I/16	Dc	conc vein-fault, yellow clay stained white qtz w ang sh Fx, graph slick planes	<5	0.2	6	330	<2	0.06	<.5	<1	196	9	0.63	<.01	5	26	8	600	2	<2	1	177	<.01	<10	135	<10	4

SAMPLE	approx location	formation	description	Au	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Mg	Mn	Mo	Ni	P	Pb	Sb	Sc	Sr	Ti	U	V	W	Zn
				ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
																			(%P2O5)									
95DH-077	YTG campground 116I/16	Di	Friable rusty weath shale and siltstone chip 2m	<5	0.2	16	330	<2	0.04	<.5	7	55	42	4.63	0.64	140	3	32	480	18	<2	8	23	<.01	<10	48	<10	88
95DH-078	km 450 116I/16	SDv	black grapt sh coated w white + yellow coating on So and fract planes	<5	0.8	32	10	<2	6.05	56.5	2	71	90	1.04	0.9	65	69	206	390	4	2	2	224	0.01	<10	1115	<10	1525
95DH-079	km 450 116I/16	SDv	rep sample of black graptolitic shales	<5	0.8	26	40	<2	6.27	21.5	2	58	86	0.89	2.37	190	55	163	410	6	<2	3	346	0.03	<10	1175	<10	858
95DH-080	km 440.9 116I/16	Dc	rep of carbonaceous shales some yellow staining. sulphur smell. chip 1.3m	<5	0.8	8	1050	<2	0.02	1	<1	52	47	0.24	0.03	<5	19	24	80	4	2	2	36	<.01	<10	427	<10	20
95DH-081	km 439 116I/16	Dc vein	Qtz-cc vein, loc drusy// wall, w shale Fx. 0.15m, 062/56. cc fills vug-late	<5	0.2	28	290	<2	0.01	<.5	<1	254	47	0.55	<.01	5	16	16	170	<2	2	<1	23	<.01	<10	149	<10	12
95DH-082	km 439 116I/16	Dc	rep of grey weath + yellow stained platy shales	<5	1.6	12	590	<2	0.15	1.5	<1	42	103	0.7	0.02	5	38	40	230	4	<2	3	94	<.01	<10	230	<10	102
95DH-083	km 439 116I/16	Dc fault	fault gouge: kaolinite pods w sh Fx cut by qtz veining. 085/52	<5	0.2	68	110	<2	0.17	2.5	<1	91	139	0.97	0.01	15	109	113	1790	2	8	17	585	<.01	20	388	<10	186
95DH-084	km 419 116I/9	Dc?	rep of grey and black banded chert	<5	0.2	4	210	<2	<.01	0.5	<1	238	14	0.34	<.01	5	11	19	30	<2	<2	<1	15	<.01	<10	81	<10	14
95DH-085	km 419 116I/9	SDv?	rep of platy silicceous beige weath argillite	<5	2.6	28	690	<2	0.18	28.5	1	149	118	0.55	0.06	20	42	101	170	12	14	2	24	<.01	<10	1130	<10	1040
95DH-086	ridge at km 438 116I/16	Sd?	pale pink f.g. qtz vein w lim incl, sh Fx+ thin qtz veining in area of breccia float	<5	0.2	<2	1100	<2	0.13	<.5	2	221	11	0.93	0.13	55	1	14	240	2	<2	1	12	<.01	<10	16	<10	32
95DH-087	ridge at km 438 116I/16	Sd?	float of Vcg cc, dense (ba?). loc sheared (micas) w chert Fx. 075	<5	<.2	<2	150	<2	>15.00	<.5	<1	1	<1	0.16	0.16	260	<1	<1	10	<2	<2	<1	1080	<.01	<10	2	<10	18
95DH-088	ridge at km 438 116I/16	OSI	zebra chert? fracture filling? chalcedonic? s/c	<5	0.4	2	40	<2	2.01	<.5	<1	230	12	0.22	0.47	15	1	6	270	<2	<2	<1	28	<.01	<10	31	<10	32
95DH-089	ridge at km 438 116I/16	COr	trail of float coarse cc vein w darker orange carb (ank?) tr qtz +host Rx Fx	<5	<.2	<2	100	<2	>15.00	<.5	<1	14	1	0.17	0.98	40	<1	<1	130	<2	<2	<1	835	<.01	<10	2	<10	16
95DH-090	ridge at km 438 116I/16	COr	Coarse cc vein 15-20cm w ghost host 065/74 (ba?)	<5	<.2	4	60	<2	>15.00	<.5	<1	1	<1	0.07	0.13	125	<1	<1	80	<2	<2	<1	1070	<.01	<10	1	<10	16
95DH-091	ridge at km 438 116I/16	COr	Coarse cc vein w qtz and dirty inclusions, poss sulph grain, ankerite? float	<5	<.2	4	140	<2	>15.00	0.5	<1	13	7	0.11	0.18	100	<1	<1	150	<2	<2	<1	885	<.01	<10	3	<10	38
95DH-092	ridge at km 438 116I/16	COr	rep sample of grey massive limestone	<5	<.2	2	120	<2	>15.00	<.5	<1	2	<1	0.06	0.33	40	<1	<1	350	<2	<2	<1	733	<.01	<10	4	<10	18
95DH-093	ridge at km 438 116I/16	OSI	rep of pale grey to grey weath chert band 15 cm	<5	<.2	<2	140	<2	0.23	<.5	1	238	14	0.61	0.26	40	<1	10	130	<2	<2	1	8	<.01	<10	10	<10	20
95DH-094	ridge at km 438 116I/16	OSI	rep of beige weath limestone i/bedded w above chert	<5	<.2	<2	80	<2	>15.00	<.5	4	16	15	0.77	0.23	340	<1	11	960	4	<2	3	137	<.01	<10	11	<10	70
95DH-095	RAS-TUS claims 106L/4	Illtyd	beige weath, lt grey mass to blocky w rusty fract, 1% ox py(+dk blue xtal) float	<5	<.2	<2	80	<2	>15.00	<.5	<1	1	<1	0.29	0.16	620	<1	<1	90	14	<2	<1	192	<.01	<10	<1	<10	18
95DH-096	RAS-TUS claims 106L/4	Illtyd	limestone w rusty brown seams and pods (Fe-carb?) float	<5	<.2	6	40	2	>15.00	<.5	<1	2	1	0.28	0.27	550	<1	<1	20	4	<2	<1	172	<.01	<10	<1	<10	34
95DH-097	RAS-TUS claims 106L/4	Illtyd	limonitic breccia/vein, porous w colloform textures float	<5	10	2460	350	2	0.23	6	16	6	56	>15.00	0.04	2980	3	56	270	56	14	2	7	<.01	10	4	<10	594
95DH-098	RAS-TUS claims 106L/4	Illtyd	Vcoarse cc-qtz-lim-limestone Fx (-ba?) float	<5	1.8	194	2740	2	>15.00	0.5	8	21	4	1.43	0.03	1195	<1	17	10	270	<2	<1	166	<.01	<10	1	<10	174
95DH-099	RAS-TUS claims 106L/4	Illtyd	V coarse cc- barite(-qtz) float	<5	0.2	6	2140	<2	0.28	<.5	<1	34	4	0.5	<.01	25	<1	1	20	40	<2	<1	129	<.01	<10	<1	<10	28
95DH-100	RAS-TUS claims 106L/4	Illtyd	limonitic breccia float	<5	5	52	1860	2	0.35	17	69	26	21	>15.00	0.01	5790	12	218	310	326	12	<1	20	<.01	<10	2	60	8890
95DH-101	RAS-TUS claims 106L/4	Illtyd	very hard orange weath vuggy siliceous breccia/vein, fg sugary qtz/carb float	<5	2.8	6	600	<2	2.51	0.5	4	69	10	0.96	0.01	1920	<1	10	150	82	<2	<1	9	<.01	<10	6	<10	350
95DH-102	RAS-TUS claims 106L/4	Illtyd	limestone w porous py cube-rich rich horizon, w qtz float	<5	0.6	10	580	<2	>15.00	<.5	2	1	1	0.88	0.12	580	<1	6	10	36	<2	<1	234	<.01	<10	1	<10	312
95DH-103	RAS-TUS claims 106L/4	COr	rep sample of fg dk grey limestone s/c	<5	<.2	<2	300	2	>15.00	<.5	<1	2	1	0.22	1.21	65	<1	1	40	<2	<2	<1	1095	<.01	<10	3	<10	22
95DH-104	RAS-TUS claims 106L/4	Illtyd	trail of float of coarse cc (qtz?) vein material	<5	<.2	<2	150	2	>15.00	<.5	<1	<1	<1	0.16	0.23	90	<1	<1	<10	<2	<2	<1	476	<.01	<10	<1	<10	18
95DH-105	RAS-TUS claims 106L/4	Illtyd	V coarse cc in fault between Illtyd +COr. dense- barite? chip 1m	<5	<.2	<2	270	<2	>15.00	<.5	<1	<1	<1	0.27	0.15	245	<1	<1	<10	<2	<2	<1	519	<.01	<10	1	<10	22
95DH-106	RAS-TUS claims 106L/4	Illtyd	rusty brecciated limestone w lim vugs w 1-2% ga float	<5	7.6	20	60	4	0.47	12	1	123	301	5.1	0.01	135	2	7	120	7170	8	<1	6	<.01	<10	2	10	5990
95DH-107	RAS-TUS claims 106L/4	Illtyd	fg grey pinkish limestone w qtz-lined vugs and tr ga+sph. soln breccia? s/c	<5	0.6	4	30	<2	5.72	<.5	<1	89	6	0.5	0.02	110	<1	1	30	44	2	<1	33	<.01	<10	4	<10	174
95DH-108	RAS-TUS claims 106L/4	Illtyd	fg sil limstn, soln brecc? vugs lined w drusy qtz+ox py+sph(<1%), loc boxwork	<5	0.2	8	30	<2	9.63	<.5	<1	54	8	0.67	0.03	205	<1	1	30	52	<2	<1	55	<.01	<10	2	<10	192
95DH-109	RAS-TUS claims 106L/4	Illtyd	limonitic brecciated limestone w tr galena, sphalerite	<5	118	102	40	126	0.13	<.5	<1	10	2310	>15.00	0.01	7240	3	1	60	10.20%	134	<1	14	<.01	10	2	<10	390
95DH-110	RAS-TUS claims 106L/4	Illtyd	limestone w horizon 3-4cm rusty spots, ox py?float	<5	4.2	12	40	2	>15.00	31	<1	1	18	1.63	0.09	775	1	2	10	446	4	<1	161	<.01	<10	<1	20	7390
95DH-111	RAS-TUS claims 106L/4	Illtyd	limonitic breccia, boxwork texture. cp tr. float	<5	2.8	200	150	260	0.44	<.5	3	2	5370	>15.00	0.02	6160	2	2	90	76	4	<1	13	<.01	<10	4	<10	136
95DH-112	RAS-TUS claims 106L/4	Illtyd	blocky fractured limestone w earthy hem alt on fract	<5	<.2	10	200	2	>15.00	<.5	1	2	19	0.65	0.34	1005	<1	3	50	22	<2	<1	344	<.01	<10	5	<10	34
95DH-113A	RAS-TUS claims 106L/4	Illtyd	dense limonitic breccia float, boulder train trends 015 deg	<5	3.2	292	150	226	0.23	0.5	9	<1	1370	>15.00	0.03	>10000	<1	11	90	138	<2	1	56	<.01	<10	4	<10	302
95DH-113B	RAS-TUS claims 106L/4	Slatts Ck	rep of brown weathering grey siltstone	<5	<.2	2	530	2	0.98	<.5	6	78	33	2.21	0.67	270	<1	13	220	16	<2	1	17	<.01	<10	10	<10	76
95DH-114	Touché 116/I/16	OSI/Sd	pyritic silicified limestone?, margin of fault zone. py 1% in pods float	<5	<.2	2	780	<2	0.8	<.5	4	167	4	1.01	0.39	395	<1	9	360	4	<2	1	15	<.01	<10	5	<10	8
95DH-115	Touché 116/I/16	OSI?	fault zone, fractured and qtz injected shale/siltstone+vein material, ox py<1%	<5	0.2	4	390	2	2.7	<.5	2	132	26	0.66	1.5	135	<1	15	280	4	<2	1	20	<.01	<10	12	<10	20
95DH-116	W of Touché 116I/16	Slatts Ck	reddish brown weathering grey siltstone	<5	<.2	2	80	<2	0.03	<.5	1	80	3	0.56	0.02	15	1	3	60	26	<2	1	3	<.01	<10	3	<10	12
95DH-118	between Touché+camp	COr	lt orange weath sandy limstn or limey sstn w seam py cubes and veinlet. float	<5	<.2	2	150	4	>15.00	<.5	1	3	5	0.82	8.86	620	<1	4	160	16	<2	<1	65	<.01	<10	15	<10	40
95DH-119	between Touché+camp	COr	coarse calcite vein.dense, baritic? s/c	<5	<.2	<2	120	2	>15.00	<.5	<1	1	<1	0.03	0.15	130	<1	<1	<10	<2	<2	<1	1355	<.01	<10	<1	<10	18
95DH-121	between Touché+camp	COr	Vein of very coarse calcite (qtz-ba?), some rusty seams. float near o/c	<5	<.2	2	30	<2	>15.00	<.5	<1	12	51	0.12	0.11	170	<1	<1	40	96	<2	<1	663	<.01	<10	20	<10	36
95DH-122	km 353.3 116?/??	Cf	friable dk grey sh loc rusty weath, nodular siltstn, thin conc+disc V's. 1 m chip	25	0.6	24	130	<2	1.22	<.5	5	48	27	2.81	0.04	15	2	53	1130	16	<2	4	66	<.01	<10	75	<10	140
95DH-123	km 350	CHr	rep sample of beige weath lt grey, finely bedded (50-30cm) fg limestone	<5	<.2	2	20	<2	>15.00	<.5	<1	11	1	0.08	0.19	5	<1	3	100	<2	<2	<1	699	<.01	<10	6	<10	32
95DH-124	km 345 116?/??	Kcc	dirty coarse sandstone w clay nodules, poorly consolidated	<5	0.2	14	340	<2	0.22	0.5	5	123	17	1.23	0.19	125	1	22	770	6	<2	2	33	<.01	<10	40	<10	60
95DH-125	km 292.3 116?/??	Kcc	dirty coarse sandstone	<5	0.4	8	410	<2	0.23	0.5	16	131	32	2.58	0.35	830	<1	58	1210	16	2	3	27	<.01	<10	69	<10	138
95DH-126	from km 440.9 116I/16	Dc?	grey brown weathering platy limestone? w i/bedded dk grey-black chert. float	<5	0.6	14	760	<2	0.32	7	<1	168	66	0.43	0.04	10	31	59	1340	4	4	3	106	<.01	<10	1200	<10	278
95DH-127	from km 440.9 116I/16	SD?	lt orange-grey weath limestone. baritic? fetid. tr malachite staining. float	<5	<.2	2	4620	2	>15.00	0.5	<1	6	1	0.65	1.46	200	<1	4	790	<2	2	<1	4470	<.01	<10	40	<10	68
95DH-128	from km 440.9 116I/16	SD	platy shale bed (2cm) w 2-3% py rosettes up to 2 cm in diam	<5	<.2	<2	80	2	1.6	<.5	9	42	30	4.06	1.22	160	<1	37	310	4	<2	4	55	<.01	<10	26	<10	84
95DH-129	from km 440.9 116I/16	SD	(lmstn)bioclastic cgl w mass py pod 6X3cm+2cm horizon w 2-5% tarnished py	<5	0.4	12	30	4	>15.00	<.5	40	19	78	7.48	1.59	480	1	73	1980	24	<2	1	555	<.01	<10	9	<10	300
95DH-130	from km 440.9 116I/16	SD	rusty shales w small pods of py(+qtz-cc?)	<5	<.2	2	100	<2	0.34	<.5	7	43	35	6.19	0.42	50	<1	25	170	6	<2	1	23	<.01	<10	17	<10	102
95DH-131	from km 440.9 116I/16	SD	cg bioclastic limstn cgl w py in pods+in matrix? +lining cavities?	<5	0.4	6	90	<2	>15.00	<.5	24	18	13	5.59	0.88	330	<1	46	1710	16	<2	<1	498	<.01	<10	6	<10	70
95DH-132	from km 440.9 116I/16	SD	rusty dolomitic mudstone w py nodules and platy rusty shales.chip 1m	<5	<.2	<2	870	2	3.65	<.5	6	31	25	2.83	1.51	260	<1	22	360	4	<2	4	140	<.01	<10	20	<10	60
95DH-133	from km 440.9 116I/16	SD	rusty dolomitic mdstone w 1-2% py as nodules up to 2-3 cm.chip 0.5m	<5	<.2	2	330	2	4.81	<.5	9	30	23	3.78	2.49	475	<1	24	270	2	<2	4	169	<.01	<10	19	<10	76
95DH-134	from km 440.9 116I/16	Dc/SDv? vein	coarse calcite vein. float	<5	<.2	<2	90	<2	>15.00	4	<1	<1	<1	0.03	0.1	805	<1	1	10	<2	<2	<1	478	<.01	<10	15	<10	44
95DH-135	ck W of 453.3 116I/16	SDv/Dc?	carb+calc sh w 4-6 cm band of tarn mg lin. py(cp?), cut by thin Vcc 1% py	<5	1.8	112	10	2	1.34	<.5	4	40	79	>15.00	0.14	20	45	105	90	44	14	<1	71	<.01	<10	17	<10	22
95DH-136	ck W of 453.3 116I/16	SDv/Dc?	carb+calc sh w py bed <1cm, bed above poss baritic. sample 15cm thick	<5	1	<2	70	2	2.62	0.5	10	44	63	5.47	1.19	100	2	48	190	16	<2	3	83	<.01	<10	24	<10	114
95DH-137	ck W of 453.3 116I/16	SDv/Dc?	grey shales w several thin pyritiferous horizons. sample 10cm	<5	0.6	6	30	4	8.57	3.5	8	44	147	8.1	2.98	225	1	75	270	14	<2	2	304	<.01	<10	26	<10	402
95DH-138	ck W of 453.3 116I/16	SDv/Dc?	carb shales w clay-weathered sulph-rich pod and thin py-rich band	<5	0.6	12	90	4	9.95	1.5	8	22	105	5.74	3.45	270	6	62	370	14	<2	3	392	<.01	<10	24	<10	192
95DH-139	ck W of 453.3 116I/16	SDv/Dc?	limey shale w 1-2cm horizon w 10-20% diss py	<5	<.2	22	10	2	9.58	6.5	7	44	231	6.75	2.03	185	1	51	570	6	<2	2	353	<.01	<10	29	<10	750
95DH-140	ck W of 453.3 116I/16	SDv/Dc?	Vcoarse cc w org-rich // + coal, hydrocarb? slicked graph planes. fetid. float	<5	<.2	2	320	2	>15.00	<.5	<1	3	1	0.07	0.23	195	<1	13	<10	<2	<2	<1	3600	<.01	<10	14	<10	30
95DH-141	ck W of 453.3 116I/16	Dc?	platy shales w yellow weathering. chip 0.5m	<5	0.2	14	490	<2	0.44	1	1	78	48	0.81	0.32	5	70	95	1150	4	<2	3	66	<.01	<10	993	<10	126
95DH-142	SE of km 452 116I/16	SD	rep sample of grey-green weath bioturbated argillite w small py nodules. s/c	<5	<.2	<2	790	2	1.57	<.5	4	40	32	2.64	1.35	210	<1	22	530	<2	<2	4	60	<.01	<10	31	<10	56
95DH-143	SE of km 452 116I/16	OSI	finely banded limestone- baritic? float	<5	<.2	2	780	2	>15.00	<.5	2	8	9	0.95	0.51	565	<1	9	180	2	<2	2	555	<.01	<10	7	<10	34
95DH-144	SE of km 452 116I/16	OSI	rusty weath nodular bedded black chert w zones of py casts ("frothy texture")	<5	0.2	<2	140	<2	0.38	<.5	7	239	32	1.46	0.41	65	<1	22	180	8	<2	1	11	<.01	<10	23	<10	18
95DH-145	SE of km 452 116I/16	OSI	large coarse calcite vein w carb shale inclusions.dense, baritic?	<5	<.2	<2	40	2	>15.00	<.5	<1	3	3	0.13	0.14	320	<1	1	<10	<2	<2	<1	723	<.01	<10	2	<10	22
95DH-146	SE of km 452 116I/16	OSI	breccia zone w limonitic gouge in coarse calcite vein (of sample-145)	<5	<.2	4	70	2	>15.00	0.5	1	39	23	3.14	0.15	210	<1	4	100	<2	<2	<1	436	<.01	<10	3	<10	156
95DH-147	SE of km 452 116I/16	OSI	rep sample of carb shales, limy shales and cherts.loc pyritic. chip 2m	<5	0.4	4	260	2	6.57	0.5	3	49	104	1.34	1.49	75	8	26	2210	6	<2	3	89	<.01	<10	83	<10	86
95DH-148	SE of km 452 116I/16	OSI	pyritiferous (1-2%) dense (baritic) grey limestone.	<5	0.2	4	70	<2	>15.00	<.5	1	7	30	3.06	0.27	115	1	12	340	10	2	<1	178	<.01	<10	6	<10	20

SAMPLE	approx location	formation	description	Au	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Mg	Mn	Mo	Ni	P	Pb	Sb	Sc	Sr	Ti	U	V	W	Zn
				ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm (%P2O5)	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
95DH-149	SE of km 452 116I/16	OSI	sh w 4-10cm band of f.g. py+cc veining//+ perp So overlain by sh w framb py	<5	0.8	6	20	2	6.13	6.5	1	28	48	13.6	0.12	70	<1	11	340	16	<2	<1	77	<.01	<10	9	<10	1520
95DH-150	SE of km 452 116I/16	OSI	rusty fractured faulted shale w gyps? coating and thin cc veining	<5	0.2	<2	140	2	3.62	<.5	7	59	312	1.75	0.96	160	<1	35	170	6	<2	3	58	<.01	<10	34	<10	102
95DH-151	SE of km 452 116I/16	OSI	folded train of rusty gouge +rusty gyps coated shale Fx	<5	0.4	6	80	<2	4.33	<.5	3	53	85	3.45	0.49	35	3	23	160	6	<2	1	37	<.01	<10	28	<10	44
95DH-151b		OSI	folded train of rusty gouge +rusty gyps coated shale Fx	<5	<.2	<2	10	4	13.3	<.5	<1	38	4	0.07	8.66	135	<1	1	50	<2	<2	<1	55	<.01	<10	11	<10	26
95DH-152	SE of km 452 116I/16	OSI	folded? calcite vein	<5	<.2	4	530	2	>15.00	<.5	<1	13	2	0.08	0.11	95	<1	<1	30	<2	<2	<1	462	<.01	<10	2	<10	20
95DH-153	SE of km 452 116I/16	COr	rep sample of pyritic fossilliferous black shale (tweezergraptus)	<5	0.4	<2	110	2	0.95	0.5	2	78	126	1.08	1.19	15	4	28	3300	2	<2	4	18	<.01	<10	120	<10	84
95DH-155	White Fox Ck E of hway	SDv	rep sample of black carbonaceous siliceous platy shales. Float at base of cliff	<5	0.2	26	210	<2	0.84	<.5	<1	49	51	1.04	0.06	<5	79	56	150	4	2	2	63	<.01	<10	636	<10	108
95DH-156	White Fox Ck E of hway	Dc	grey weath dk grey chert/sil sh. carb coating on weathered surface	<5	1.8	26	760	2	1.74	52.5	1	113	69	0.46	0.14	20	50	135	880	2	10	3	287	0.02	<10	1755	<10	2460
95DH-157	White Fox Ck E of hway	SDv	large carb (witherite?) xtals in dk matrix, loc glomerp band. tr cp, malach. float	<5	<.2	8	19.10%	<2	3.09	12.5	<1	34	33	0.12	0.31	40	6	57	150	<2	<2	<1	2540	<.01	<10	147	<10	1240
95DH-158	White Fox Ck E of hway	SDv	V mult bands black bladed carb? in lmstn. contains coal and malach/az on fract	<5	1.8	30	7680	4	12.9	4	<1	33	167	0.09	6.08	125	<1	16	510	<2	36	<1	1550	<.01	<10	69	<10	164
95DH-159	White Fox Ck E of hway	SDv	rusty carb grapt sh w 2 thin horizons semi-/mass py . chip 0.3m	<5	1.6	34	40	2	3.07	81.5	3	74	116	2.75	1.65	70	62	182	290	18	6	3	87	0.01	<10	941	<10	900
95DH-160	White Fox Ck E of hway	Sd	pitted beige orange weath (dolomitic) siltstone w 2-3% diss py. float	<5	<.2	2	140	2	8.28	0.5	2	29	28	3.99	5.59	540	<1	12	90	4	2	3	1095	<.01	<10	33	<10	48
95DH-161	White Fox Ck E of hway	Dc	rep sample of yellow and rusty weathering chert.	<5	0.2	6	520	<2	0.08	<.5	<1	174	8	0.62	0.04	10	22	21	60	2	<2	1	26	<.01	<10	111	<10	10
95DH-162	White Fox Ck E of hway	Dc	finely banded limestone ? w 2% coarse framboidal py (ricochet sample)	<5	<.2	2	7110	<2	>15.00	2	<1	18	6	0.24	0.54	85	2	26	260	<2	<2	<1	1255	<.01	<10	37	<10	84
95DH-163	White Fox Ck E of hway	Dc	rep sample of yellow and rusty weath sil sh (+chert). chip 0.4m	<5	0.6	4	860	<2	0.16	<.5	<1	57	19	0.41	0.04	5	25	31	90	2	<2	1	20	<.01	<10	328	<10	10
95DH-164	SE of km 440.9 116I/16	Sd	rusty limey bioturb argillite w framb py+remob py on fract. float at base of cliff	<5	0.4	2	30	2	2.86	<.5	21	27	39	5.19	1.45	240	<1	53	350	16	2	4	102	<.01	<10	20	<10	60
95DH-165	SE of km 440.9 116I/16	Sd/OSI fault	//+ brecc qtz and graphitic material w 1-2% cp, 1-2% red sph, cut by thin Vcc	<5	0.6	<2	90	<2	1.3	>100.0	<1	194	1905	0.69	0.04	20	1	8	140	2	8	<1	36	<.01	<10	7	170	2.69%
95DH-166	SE of km 440.9 116I/16	OSI	thin bed. rusty+yellow weath shales+cherts w cc veining // So.	<5	0.6	10	130	<2	2.43	16.5	2	63	159	2.65	0.16	10	3	40	8040	18	<2	2	42	<.01	<10	60	<10	1340
95-DH-167	SE of km 440.9 116I/16	OSI	rusty weath black chert bed w large pods of mass fg py at base. py>5%.20cm	<5	<.2	<2	20	<2	0.98	<.5	11	138	21	5.76	0.6	315	<1	47	180	4	<2	<1	9	<.01	<10	7	<10	18
95DH-168	SE of km 440.9 116I/16	OSI	black chert w limestone pods-ghosts, not for assay	<5	<.2	6	50	<2	8.99	<.5	3	37	40	1.55	1.51	140	3	29	590	6	<2	2	94	<.01	<10	54	<10	88
95-DH-169	SE of km 440.9 116I/16	OSI	orange weathering, clay altered finely banded limestone	<5	0.2	2	170	<2	0.15	<.5	4	57	17	2.16	0.18	40	<1	16	100	4	<2	1	21	<.01	<10	6	<10	54
95-DH-170	SE of km 440.9 116I/16	Sd	sulphide bearing siltstone nodules	<5	<.2	36	4090	<2	0.17	18	1	128	53	0.88	0.09	35	16	82	780	4	8	4	104	0.01	<10	2260	<10	750
95-DH-171	SE of km 440.9 116I/16	Dc?	hematitically altered argillite	<5	0.2	<2	850	<2	0.31	0.5	<1	27	6	0.2	0.02	10	<1	3	150	<2	<2	<1	6	<.01	<10	6	<10	44
95DH-172	Real Rx Riv trib 116I/16	Sd/OSI fault	Barite vein (qtz?)	<5	1.2	22	40	2	8.07	1.5	2	56	28	2.19	0.99	60	2	12	940	6	6	<1	279	<.01	<10	69	<10	140
95DH-175	Real Rx Riv trib 116I/16	OSI	chert bed w large recessive py nodules	<5	0.6	4	2300	2	>15.00	5.5	<1	28	35	0.4	1.09	50	6	12	1760	2	<2	1	264	<.01	<10	173	<10	308
95DH-177	Real Rx Riv trib 116I/16	OSI	cgl? lmstn Fx in dark matrix. sulph clasts? cut by thin V float at base of cliff	<5	<.2	2	170	<2	>15.00	<.5	<1	22	11	0.08	0.2	165	<1	2	80	<2	<2	<1	821	<.01	<10	6	<10	30
95DH-178	Real Rx Riv trib 116I/16	OSI	Vcc and angular Fx of limstone in small fault	<5	<.2	2	120	<2	>15.00	<.5	<1	14	7	0.26	1.34	85	<1	2	290	<2	<2	1	473	<.01	<10	12	<10	30
95DH-179	Real Rx Riv trib 116I/16	OSI?	brecciated vein? carb xtals in dk grey/black matrix. rounded float in ck	<5	1.2	14	30	<2	3.49	0.5	5	52	60	2.66	0.54	40	10	49	840	20	4	2	47	<.01	<10	78	<10	148
95DH-180	Real Rx Riv trib 116I/16	OSI	black carb calc shales- grungy rusty horizon. o/c but rep taken from float	<5	<.2	2	90	<2	0.22	<.5	1	242	29	0.76	0.14	35	<1	12	100	2	<2	1	4	<.01	<10	24	<10	14
95DH-181	Real Rx Riv trib 116I/16	OSI	very rusty chert	<5	<.2	4	30	4	12.85	<.5	<1	12	28	0.11	9.62	205	<1	<1	30	<2	<2	<1	45	<.01	<10	3	<10	16
95DH-182	E of AC p/out 116I/9	OSI	limestone cut by thin carb veinlets. float	<5	<.2	2	60	6	13.15	<.5	<1	34	3	0.17	9.9	180	<1	1	540	8	<2	<1	94	<.01	<10	8	<10	20
95DH-183	E of AC p/out 116I/9	OSI	limestone/chert w veins and pods of euhedral qtz/cc // So. float	<5	<.2	<2	10	<2	7.55	0.5	<1	92	19	0.1	0.16	40	<1	<1	10	<2	2	<1	301	<.01	<10	12	<10	34
95DH-184	E of AC p/out 116I/9	OSI	coarse qtz and calcite vein. trail of float	<5	<.2	4	240	<2	0.4	<.5	<1	210	9	0.92	0.04	5	1	4	100	4	<2	<1	39	<.01	<10	30	<10	8
95DH-185	E of AC p/out 116I/9	Dc	layer of decomposed Rx or soil gouge w/in sil shales. incl crumbly rusty mat	<5	0.8	260	510	<2	0.69	3	<1	191	301	2.27	0.32	10	27	162	1560	10	14	20	180	<.01	40	441	<10	168
95DH-186	Heli-recce	Ct	orange coated chert cgl and sandstone. float	<5	<.2	8	10	<2	0.13	<.5	4	29	29	2.27	0.23	20	7	40	140	16	<2	5	33	<.01	<10	52	<10	48
95DH-187	Heli-recce	Dus?	yellow weathering crumbly grey shale w white and blue clay gouge	<5	<.2	16	10	<2	0.11	<.5	19	42	59	3.49	0.36	90	12	80	260	16	<2	6	41	<.01	<10	63	<10	280
95DH-188	Heli-recce	Dus	rusty brown loc yellow weath grey shale	<5	<.2	4	1110	<2	<.01	<.5	<1	153	9	0.66	0.04	5	1	4	60	6	<2	1	19	<.01	<10	26	<10	6
95DH-189	Heli-recce	silt	orange slime in creek																									
95DH-190	Heli-recce	Ct	orange clay-stained sandstone	<5	<.2	10	20	2	0.66	<.5	7	33	51	10.75	1.14	1405	2	36	900	12	2	7	40	<.01	<10	69	<10	120
95DH-191	Heli-recce	Dus	soft grey shale, nodular siltstone	<5	<.2	4	690	<2	0.02	<.5	<1	222	6	1.05	0.06	45	1	4	290	4	2	1	36	<.01	<10	27	<10	12
95DH-192	Heli-recce	Ct	slightly oxidized sandstone+cgl. float	<5	<.2	4	400	<2	0.01	<.5	<1	132	7	2.26	0.01	10	<1	2	120	2	<2	1	17	<.01	<10	32	<10	14
95DH-193	Heli-recce	Ct	oxidized fg cgl.float	<5	<.2	230	10	<2	0.41	<.5	17	63	27	7.79	0.36	60	4	97	950	32	2	5	58	<.01	<10	122	<10	152
95DH-194	Heli-recce	Cf	friable grey shale, nodular horizon, yellow weath grunge. faulted?	<5	0.8	38	130	2	10.4	11.5	2	169	22	1.02	0.2	35	11	62	1700	6	<2	4	229	0.01	<10	219	<10	162
95DH-195	Heli-recce	Cf	pervasive hematitic clay alt? in argillite, carbonate coating on fract	<5	<.2	6	780	<2	0.11	<.5	3	132	32	2.69	0.28	40	<1	14	260	4	4	5	23	<.01	<10	66	<10	60
95DH-196	Heli-recce	Di	rusty weathering sand/siltstone	<5	<.2	<2	40	<2	0.04	<.5	<1	324	2	0.32	<.01	10	<1	4	20	<2	<2	<1	2	<.01	<10	3	<10	2
95DH-197	Heli-recce	JKnb?	clean white sandstone, slightly oxidized	<5	<.2	<2	20	<2	0.01	<.5	<1	335	2	0.59	<.01	10	<1	3	40	2	<2	<1	3	<.01	<10	4	<10	2
95DH-198	Heli-recce	Di?	slightly brown -oxidized clean sandstone	<5	<.2	4	350	<2	0.18	<.5	9	117	20	1.82	0.22	420	<1	26	820	8	2	3	23	<.01	<10	40	<10	98
95DH-199	km 274.7	Kcc	brownish dirty sandstone w small clay balls																									

						983			2118	2119	2120	2121	2123	2124	2125	2126	2127	2128	2150	2131	2151	2134	2135	2136	2138	2139	2140	2141	2142	2143	2145	2146	2147	2148	2149
			sample			Au pp	Pt	Pd	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	La	Mg	Mn	Mo	Ni	P	Pb	Sb	Sc	Sr	Ti	U	V	W	Zn
sample number	Fm	rep	description		sample location	FA+A	ppb	ppb	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
96 DH 2	Dc	X	yellow weath platy sil sh	o/c	116I/16 e of hwy, White Fox Ck	<5			1.2	0.58	12	200	<2	0.07	<.5	<1	39	3	0.59	<1	<10	0.04	15	26	9	40	8	<2	1	15	<10	<10	69	<10	2
96 DH 3A	Dc?		earthy red weath, bleached grey sh	float	116I/16 e of hwy, White Fox Ck	<5			<.2	0.72	8	2000	<2	0.04	<.5	<1	40	3	0.64	<1	<10	0.05	5	10	1	40	16	<2	1	78	<10	<10	117	<10	<2
96 DH 3B	Dc?		red-maroon weath porous sil rx	float	116I/16 e of hwy, White Fox Ck	<5			<.2	0.06	2	1740	<2	0.01	<.5	<1	154	8	1.64	<1	<10	<.01	105	15	6	30	2	<2	<1	109	<10	<10	80	<10	2
96 DH 3C	Dc?		red weath dk blocky sil chert? w ox-filled poros	float	116I/16 e of hwy, White Fox Ck	<5			<.2	0.1	6	810	<2	0.03	0.5	<1	229	11	0.68	<1	<10	<.01	15	13	8	40	2	<2	<1	51	<10	<10	89	<10	16
96 DH 4	Dc		fault breccia with clay balls	o/c	116I/16 e of hwy, White Fox Ck	<5			<.2	>15.00	34	100	<2	0.24	7	4	219	34	1.43	<1	<10	<.01	5	62	214	5710	<2	4	37	3240	<10	150	1105	<10	628
96 DH 6	Dc? vein		30 cm folded qtz-cc vein w slicks +angular sh Fx	o/c	116I/16 e of hwy, White Fox Ck	<5			0.2	0.15	10	220	<2	7.5	18.5	1	172	50	0.36	<1	20	0.05	165	16	58	60	2	<2	1	139	<10	<10	393	<10	1395
96 DH 7	Sd		wispy lam sstn+pyritic bioclastic cgl / w sulph pods	o/c	116I/16 e of hwy, White Fox Ck	<5			0.2	1.1	<2	90	<2	9.11	<.5	12	31	91	3.2	<1	10	1.39	340	<1	29	740	10	<2	4	430	<10	<10	20	<10	98
96 DH 8	SDv	X	beige weathering limestone- baritic?	o/c	116I/16 e of hwy, White Fox Ck	<5			<.2	0.32	<2	1180	<2	13.75	<.5	2	9	7	2.32	<1	<10	6.58	695	<1	11	290	2	<2	1	996	<10	<10	10	<10	36
96 DH 9A	SDv	X	black shale (carb coating)	o/c	116I/16 e of hwy, White Fox Ck	<5			0.4	1.1	46	40	<2	6.37	3.5	7	56	72	1.51	<1	<10	1.29	95	59	179	270	8	2	4	318	<10	<10	488	<10	374
96 DH 9B	SDv?				116I/16 e of hwy, White Fox Ck	<5			0.4	0.85	26	30	<2	6.08	6	6	38	49	1.27	<1	<10	1.31	80	66	205	350	8	<2	4	285	<10	10	595	<10	474
96 DH 10	Dc		rusty sh chips and rusty soil near ferricrete in stream	float	116I/16 NW of hwy N of campground	<5			0.6	0.67	38	130	<2	0.01	<.5	<1	32	24	4.25	<1	<10	0.03	5	17	8	710	16	<2	6	37	<10	<10	99	<10	14
96 DH 11A	Dc?		orange powder/slime on creek bank covering vegetation		116I/16 NW of hwy N of campground	<5			<.2	0.03	1080	30	<2	0.01	<.5	4	22	1	>15.00	<1	<10	<.01	<5	80	4	2220	10	<2	<1	6	<10	<10	685	<10	30
96 DH 11B	Dc?		orange powder/slime on creek bank covering vegetation		116I/16 NW of hwy N of campground	<5			<.2	0.04	976	30	<2	<.01	1	4	20	1	>15.00	<1	<10	<.01	<5	64	3	1850	10	<2	<1	3	<10	10	606	<10	28
96 DH-13A	volc?		grey-green massive glassy rx w fspar laths	s/c	116I/16 terra cotta showing=95DH-69	<5			<1	0.29	30	600	<10	0.05	<5	<5	150	15	0.68	<10		0.02	10	15	5	900	5	<10	5	180	<20	<20	180	<20	<5
96 DH-13B	volc?		very sil, white ad grey, w numerous angular pores-casts	s/c	116I/16 terra cotta showing=95DH-69																														
96 DH-13C	volc?		siliceous porous rx, partially rusty weath, blue green matrix	s/c	116I/16 terra cotta showing=95DH-69	<5			<1	0.2	50	1480	<10	0.03	<5	<5	150	15	1.38	<10		0.01	<10	15	5	600	20	<10	5	105	<20	<20	80	<20	15
96 DH 13D	volc?		dk orange-maroon pervasively weathered rusty porous sil rx	s/c	116I/16 terra cotta showing=95DH-69	<5			<.2	0.25	202	860	<2	0.02	0.5	1	194	26	3.53	<1	<10	<.01	10	32	25	1580	2	6	22	150	<10	<10	224	<10	62
96 DH 13E	Dc ? vein		ang-subrounded sil sh or volc Fx in matrix of white + drusy qtz	float	116I/16 terra cotta showing=95DH-69																														
96 DH 13F	Dc?		red+yellow weath sil + brecciated "shale" w qtz in drusy pods +veinlets		116I/16 terra cotta showing=95DH-69	<5			0.2	0.13	8	550	<2	0.07	<.5	<1	306	1	0.61	<1	<10	0.04	15	7	4	100	28	<2	<1	30	<10	<10	23	<10	<2
96 DH 14	volc? or qtzite		dk grey mass sil rx w abundant small euhedral xtals (fspars?), qtz in vugs	o/c	116I/16 terra cotta showing=95DH-69	<5			<.2	0.05	2	190	<2	<.01	<.5	<1	254	3	0.54	<1	<10	<.01	5	9	8	90	<2	<2	<1	65	<10	<10	59	<10	2
96 DH 17	Dc	X	platy siliceous shales		116I/16 e of hwy, ck behind camp	<5			0.8	0.54	6	720	<2	0.04	<.5	<1	60	2	0.19	<1	<10	0.04	<5	14	14	40	6	2	1	24	<10	<10	212	<10	4
96 DH 21A	SDv		beige baritic pod ? containing small carb xtals	s/c	116I/16 e of hwy, ck behind camp	<5			0.6	0.21	14	6240	<2	0.71	11	<1	92	22	0.61	<1	<10	0.01	50	16	53	2490	2	<2	1	367	<10	<10	691	<10	400
96 DH 21B	SDv		beige limestone? w folded chert bands +cc veins	o/c	116I/16 e of hwy, ck behind camp	<5			0.2	0.09	16	3610	<2	9.47	6	<1	101	127	0.36	<1	<10	0.13	85	13	39	1170	<2	6	1	2640	<10	<10	259	<10	340
96 DH 21C	SDv		limestone w thin nodular chert band	o/c	116I/16 e of hwy, ck behind camp																														
96 DH 21D	SDv	X	siliceous shales, brown-orange-red weathering	o/c	116I/16 e of hwy, ck behind camp	<5			1.6	0.76	40	1020	<2	0.47	6	<1	91	40	1.3	<1	<10	0.09	5	95	77	2390	12	4	5	191	<10	<10	2300	<10	334
96 DH 22A	SDv	X	black carbonaceous graptolitic shales	o/c	116I/16 e of hwy, ck behind camp	<5			0.8	0.84	46	1580	<2	4.22	13	2	72	123	1.37	<1	10	1.08	70	55	184	840	8	2	5	289	<10	10	1020	<10	848
96 DH 22B	SDv		thin red-rusty horizon, locally punky. beige green:desintegrated sulph	o/c	116I/16 e of hwy, ck behind camp	<5			0.8	0.82	68	100	<2	4.28	4.5	5	52	83	3.2	<1	<10	1.06	90	99	166	630	10	10	3	299	<10	<10	513	<10	556
96 DH 23A	COr	X	beige weath, dk grey	o/c	SE 116I/8 E Canyon Ck	<5			<.2	0.69	4	370	<2	4.77	<.5	4	95	7	1.32	<1	10	0.97	220	1	10	190	4	<2	1	106	<10	<10	9	<10	94
96 DH 23B	COr	X	black shale	o/c	SE 116I/8 E Canyon Ck	<5			<.2	1.11	14	170	<2	0.81	<.5	11	27	28	2.61	<1	10	1	90	5	28	280	28	<2	3	12	<10	<10	21	<10	118
96 DH 23C	COr		pod of weathered sulph 6 cm in diam	o/c	SE 116I/8 E Canyon Ck	<5			0.6	0.81	48	50	<2	2.98	1.5	9	87	40	5.1	<1	<10	0.71	110	7	36	240	68	10	2	57	<10	<10	27	<10	108
96 DH 23D	COr		rusty weath 1-2cm py pods in limy beds , carb coating	o/c	SE 116I/8 E Canyon Ck	<5			0.8	0.97	46	70	<2	2.51	1.5	8	92	45	4.33	<1	<10	0.93	95	5	42	230	48	<2	2	38	<10	<10	25	<10	142
96 DH 23E	COr		mass py pod 1-2 cm in limeston beds, thin discordant Vcc	o/c	SE 116I/8 E Canyon Ck	<5			<.2	0.63	8	70	<2	6.01	<.5	5	70	13	1.82	<1	<10	0.93	205	1	14	140	18	<2	1	89	<10	<10	7	<10	20
96 DH 23G	COr	X	graded limestone bed w diss py in core of bed	o/c	SE 116I/8 E Canyon Ck	<5			<.2	0.52	6	50	<2	9.63	<.5	4	65	12	1.94	<1	<10	0.76	215	<1	13	130	24	<2	1	120	<10	<10	6	<10	20
96 DH 24	COr	X	massive blocky, loc nodular limestone	o/c	SE 116I/8 E Canyon Ck	<5			<.2	0.04	<2	140	<2	>15.00	0.5	<1	5	1	0.08	<1	<10	0.64	35	<1	<1	150	<2	<2	<1	2490	<10	<10	19	<10	34
96 DH 24B	COr		grey weath dark lmstn w pitted surface, cut by thin Vcc-ank? (baritic)	float	SE 116I/8 E Canyon Ck	<5			<.2	0.04	<2	4860	<2	>15.00	1.5	<1	6	<1	0.1	<1	<10	0.81	50	<1	<1	200	<2	<2	<1	2640	<10	<10	14	<10	30
96 DH 24C	COr		massive limestone cut by cc fault breccia	float?	SE 116I/8 E Canyon Ck	<5			<.2	0.07	<2	690	<2	>15.00	<.5	<1	2	<1	0.06	<1	<10	0.59	35	<1	<1	150	<2	<2	<1	1435	<10	<10	6	<10	10
96 DH 28	COr?		orange weath dolomitized limestone? cc in veins + as open space xtals	o/c?	SE 116I/8 E Canyon Ck	<5			<.2	0.13	<2	290	<2	>15.00	<.5	<1	3	<1	1.22	<1	<10	8.16	205	<1	3	280	<2	<2	<1	846	<10	<10	11	<10	6
96 DH 32	Dc	X	yellow grey weath thin platy siliceous shales	o/c	SE 116I/8	<5			0.2	0.43	6	460	<2	0.08	<.5	<1	68	<1	0.2	<1	<10	0.04	<5	14	18	10	4	<2	<1	8	<10	<10	197	<10	2
96 DH-33A	Dc	X	grey+yellow weath med bedded chert. sample 20cm thick	o/c	SE 116I/8	8	<5	<2	0.2	0.23	2	290	<2	0.01	<.5	<1	152	2	0.24	<1	<10	0.01	5	16	28	40	2	<2	<1	10	<10	<10	145	<10	2
96 DH-33B	Dc/SDv		rusty, pyritic bedded limestone pod	o/c	SE 116I/8	6	<5	<2	<.2	0.15	8	960	<2	>15.00	0.5	1	8	12	0.51	<1	<10	0.32	155	7	44	460	<2	<2	<1	1150	<10	<10	51	<10	76
96 DH-33C	Dc/SDv		greenish weath busted up shale with grey pyritic baritic nodules	o/c	SE 116I/8	12	15	10	0.2	0.96	84	60	<2	0.05	<.5	1	39	17	1.19	<1	<10	0.08	20	132	274	480	8	8	3	80	20	<10	264	<10	16
96 DH-33D	Dc/SDv		greenish weath busted up shale with grey pyritic baritic nodules ?	o/c	SE 116I/8	4	<5	<2	<.2	0.27	18	30	<2	0.13	<.5	<1	39	10	1.86	<1	<10	0.02	5	12	41	120	2	<2	<1	52	<10	<10	51	<10	16
96 DH 34	SDv		med bedded laminated limestone w carbonaceous shales. Vs cc	o/c	SE 116I/8	<5			0.4	0.1	22	490	<2	13.85	8.5	1	39	29	0.24	<1	10	0.78	60	10	56	350	2	4	3	1000	<10	<10	337	<10	588
96 DH 35	SDv		semi-massive podiform py layer in grey weath shaly pyritic limestone	o/c	SE 116I/8	<5			1.2	0.63	206	20	<2	6.63	8.5	5	94	202	6.21	<1	30	0.82	65	68	184	2070	26	24	3	421	<10	20	1395	<10	618
96 DH 36A	SDv		py pod 3-4cm thick in limy shales. sample 8 cm.	o/c	SE 116I/8	<5			1.8	0.4	206	<10	<2	3.55	4.5	3	71	101	11	<1	10	0.35	40	53	114	780	52	12	1	368	<10	10	1135	<10	456
96 DH 36B	SDv		large 8X3cm py nodule, internal banding	o/c	SE 116I/8	<5			0.8	0.19	166	<10	2	1.28	<.5	6	56	146	>15.00	<1	<10	0.38	50	17	101	650	40	20	<1	92	<10	<10	235	<10	78
96 DH 37B	SD	X	composite sample of bioturb dolom. sstn w 2-4cm py pods	comp	SE 116I/8	30			0.3	1.27	<2	<10	2	1.46	<.5	52	61	44	9.65	<1	<10	1.09	150	<1	76	260	20	2	1	31	<10	<10	17	<10	50
96 DH 38A	CDr1		grey massive blocky limestone, cut by qtz veins (silicified?)	float	SE 116I/8	<5			<.2	0.03	24	80	<2	>15.00	1.5	<1	4	1	0.05	<1	<10	11.1	105	2	<1	40	10	2	<1	68	<10	<10	<1	<10	6
96 DH 38B	CDr2?		qtz-dolomite breccia		SE 116I/8	<5			<.2	0.03	22	110	<2	>15.00	1.5	<1	4	<1	0.06	<1	<10	11.55	260	2	<1	90	12	6	<1	98	<10	10	13	<10	12
96 DH 39A	Sd	X	yellow-brown, wispy laminated platy siliceous siltstone sample 25 cm	o/c	SE 116I/8	<5			<.2	1.07	<2	260	<2	1.61	<.5	5	44	21	1.9	<1	10	0.69	430	<1	16	220	2	<2	3	25	<10	<10	18	<10	54
96 DH 39B	Sd	X	orange weath wispy laminated dolomitic siltstone		SE 116I/8	<5			<.2	0.7	6	1270	<2	7.12	0.5	3	18	10	3.13	<1	10	3.25	1135	<1	10	230	6	2	2	299	<10	<10	12	<10	34
96 DH 40	SDv or Sd?		black med bedded pyritic chert w lam rich in py nodules. sample 35 cm	o/c	SE 116I/8	<5			2.8	0.61	10	<10	<2	0.68	<.5	7	68	42	>15.00	<1	<10	0.2	60	3	35	1080	20	6	<1	18	<10	<10	26	<10	34
96 DH 41A	SDv		black carbonnaceous shales with strings of small sulphide rich nodules	o/c	SE 116I/8	<5			<.2	0.13	4	20	<2	0.39	0.5	5	19	30	2.92	<1	<10	0.22	30	<1	21	80	4	<2	1	33	<10	<10	5	<10	354
96 DH 41B	SDv		dolomitic limestone contains 2-3% py in irregular aggregates	o/c	SE 116I/8	<5			<.2	0.37	16	20	<2	9.38	0.5	5	30	32	4.78	<1	10	5.48	640	2	17	80	12	4	4	761	<10	<10	24	<10	52
96 DH-42A	Dc/SDv		ball-bearing unit: small barite nodules		SE 116I/8	<5			<1	0.21	<10	16860	<10	0.05	<5	<5	<10	<5	0.86	<10		0.02	<10	<5	<5	100	15	<10	<5	545	<20	<20	20	<20	<5
96 DH-42B	Dc/SDv		'ball-bearing unit: sample of whole horizon: nodules and shales		SE 116I/8	6	<5	<2	0.2	0.77	30	50	<2	0.01	<.5	<1	31	4	1.33	<1	<10	0.07	<5	24	70	110	2	6	1	95	<10	<10	137	<10	6
96 DH-42C	Dc		rusty weathering chert		SE 116I/8	4	<5	<2	<.2	0.28	4	260	<2	0.01	<.5	1	145	9	0.5	<1	<10	0.01	15	24	60	160	6	<2	<1	37	<10	<10	164	<10	8
42D to 42G all taken along strike of same bed. samples 2 to 3m long					SE 116I/8																														
96 DH-42D	Dc/SDv ni-sulph		black weath, loc recessive, 1.5 to 4 cm thick bed of disrupted sulphide laminae. Wavy bas	o/c	SE 116I/8	64	155	92	1.6	0.44	4310	<10	<2	0.04	<.5	120	77	190	>15.00	11	<10	0.03	40	1985	4.70%	350	38	106	<1	83	240	10	129	<10	716
96 DH-42E	Dc/SDv ni-sulph		black weath, loc recessive, 1.5 to 4 cm thick bed of disrupted sulphide laminae. Wavy bas	o/c	SE 116I/8	70	150	90	1.2	0.25	4010	<10	<2	0.09	0.5	127	47	165	>15.00	14	<10	0.01	<5	1895	4.83%	520	34	92	<1	77	200	10	86	<10	660
96 DH-42F	Dc/SDv ni-sulph		black weath, loc recessive, 1.5 to 4 cm thick bed of disrupted sulphide laminae. Wavy bas	o/c	SE 116I/8	176	290	192	2	0.32	4060	<10	<2	0.03	<.5	83	168	155	>15.00	13	<10	0.01	40	1960	4.68%	330	36	96	<1	54	190	<10	99	<10	258
96 DH-42G	Dc/SDv ni-sulph		black weath, loc recessive, 1.5 to 4 cm thick bed of disrupted sulphide laminae. Wavy bas	o/c	SE 116I/8	80	195	114	2	0.44	3150	<10	<2	0.03	<.5	72	127	143	14.8	14	<10	0.03	<5	2320	4.22%	270	32	100	<1	49	150	10	155	<10	220
96 DH-42H	Dc/SDv		rusty weathering grey pyritic limestone w start of baritic replacement nodules	o/c	SE 116I/8	4	10	4	<.2	0.18	40	50	<2	>15.00	10.5	2	35	25	0.76	1	<10	0.42	135	25	398	670	2	8	<1	870	<10	10	56	<10	154
96 DH-43	silt		sample taken downstream from Dc/Di contact	silt	SE 116I/8	<5			0.8	0.96	34	820	<2	2.54	16	12	29	87	2.87	<1	10	0.94	295	23	132	1440	14	6	5	207	<10	<10	290	<10	920
96 DH 44	Dc	X	6cm grey sil shales+10cm rusty weath blocky chert	o/c	SE 116I/8	<5			1.4	0.54	8	540	<2	0.04	<.5	<1	102	33	0.43	<1	<10	0.04	5	16	23	250	12	6	2	64	<10	<10	262	<10	12
96 DH 45	SDv	X	platy black sh w carb coating, 25 cm	o/c	SE 116I/8	<5			<.2	0.45	10	120	<2	1.55	2	6	29	35	1.42	<1	<10	0.16	80	24	80	530	4	2	3	169	<10	<10	83	<10	162
96 DH 46	COr		chips of clayey orange weathering rx	float	CE116I/1 Harrival	<5			0.4	0.83	12	220	<2	1.97	4.5	6	58	35	1.06	<1	10	0.37	120	4	49	380	8	2	2	84	<10	<10	95	<10	582
96 DH 47	COr		vuggy milky white qtz veins containing chert fx	float	CE116I/1 Harrival	<5			<.2	0.01	6	30	<2	2.36	<.5	<1	167	2	0.2	<1	<10	0.14	35	1	4	90	<2	<2	<1	74	<10	<10	7	<10	18
96 DH 48	CDr1?	X	black blocky chert	float	CE116I/1 Harrival	<5			<.2	0.02	2	90	<2	0.06	<.5	<1	296	11	0.33	<1	<10	0.02	20	4	6	90	<2	<2	<1	4	<10	<10	9	<10	40
96 DH 50	CDr2		dolomitic vuggy drusy qtz breccia w qtz-cc intergrowths w <1% sph, in limestone cgl		CE116I/1 Harrival	<5			1.2	0.01	8	30	<2	4.36	0.015%	<1	152	29	0.38	7	<10	2.74	310	6	7	980	486	4	<1	60	<10	<10	16	<10	3.56%
96 DH 52	COr?		composite of cc veining in grey limestone	float	CE and SE 116I/1 Harrival	<5			<.2	<.01	10	80	4	>15.00	3.5	<1	11	2	0.05	<1	<10	0.23	95	1	3	70	8	2	<1	586	<10	10	8	<10	128
96 DH-53a	COr?		rusty soil	soil	CE and SE 116I/1 Harrival	<5			<.2	2.6	18	330	<2	0.41	0.5	9	32	17	3.08	<1	10	0.39	205	3	24	210	28	2	4	19	<10	<10	99	<10	160
96 DH 53B	COr?	X	grey weathering , grey limestone, carb veining and coating on fract surfaces	o/c	CE and SE 116I/1 Harrival	<5			<.2	0.02	8	200	2	>15.00	2	<1	3	8	0.04	<1	<10	0.13	30	2	1	90	2	<2	<1	585	<10	<10	23	<10	70
96 DH 54	CDR2?		cpcgl or breccia w drusy qtz lined vugs	float	CE and SE 116I/1 Harrival	<5			<.2	0.05	6	120	<2	5.51	1.5	<1	263	10	0.55	<1	<10	0.5	70	3	11	950	<2	<2	<1	128	<10	<10	21	<10	96
96 DH 55	CDr1		fault/fold in limestone w podiform chert, pervasive fracturing and Vcc	chip	CE and SE 116I/1 Harrival	<5			<.2	0.01	8	90	4	>15.00	2	<1	78	6	0.11	<1	<10	0.45	75	2	3	110	4	<2	<1	577	<10	<10	23	<10	40
96 DH 56	CDr1		composite core sample: tarnished sulph (py?) in limestone and chert, loc in veinlet	core	CE and SE 116I/1 Harrival	<5			2.4	0.06	18	40	<2	10.8	1.5	<1	98	16	0.33	<1	<10	6	190	7	6	290	1260	6	<1	59	<10	<10	48	<10	150
96 DH 57	CDr1		diss rusty py in chert and py in Vccqtz in dolomitized limestone	float	CE and SE 116I/1 Harrival	<5			<.2	<.01	30	70	<2	13.35	1.5	<1	50	1	0.52	<1	<10	8.75	1010	2	1	80	18	4	<1	79	<10	<10	16	<10	26
96 DH 58A	CDR2		sharpstone breccia w bedded clasts, brecciated and silica flooded: euhedral qtz	float	CE and SE 116I/1 Harrival	<5			2	0.01	6	50	<2	1.84	1	<1	232	6	0.33	4	<10	0.37	200	5	6	290	1460	2	<1	27	<10	<10	24	<10	438
96 DH 58B	CDR2		sharpstone breccia w bedded clasts, brecciated and silica flooded: euhedral qtz	float	CE and SE 116I/1 Harrival	<5			2.4	0.04	6	40	<2	3.52	0.5	<1	204	7	0.36	<1	<10	1.92	285	2	5	1560	1135	2	<1	18	<10	<10	13	<10	132
96 DH 59	Dc or SDv?		dark rusty weathering vuggy chert breccia w cht clasts thinly rimmed by qtz (orange coatin	float	SE 116I/1	<5			<.2	0.18	44	2430	<2	0.01	<.5	3	132	98	5.57	<1	<10	<.01	10	127	8	700	14	10	3	13	<10	<10	1035	<10	28
96 DH 61	Sd?		pervasively orange clay altered shale or carbonate	float	SE 116I/1	<5			0.2	0.86	12	7200	2	0.15	2.5	15	64	86	7.18	<1	10	0.04	485	3	104	1680	22	4	8	89	<10	<10	170	<10	274
96 DH 62A	Sd	X	platy wispy laminated argillite. 25 cm	o/c	SE 116I/1	<5			<.2	0.41	2	710	<2	1.19	<.5	7	26	25	1.4	<1	<10	0.43	135	<1	17	330	6	2	4	85	<10	<10	8	<10	44
96 DH 62B	Sd	X	thick bedded orange weathering dolomitic siltsone	o/c	SE 116I/1	<5			<.2	0.17	6	970	<2	10.05	0.5	5	16	9	4.98	<1	10	4.25	850	1	10	270	12	2	2	967	<10	<10	11	<10	24
96 DH 63A	OSI		white sugary qtz w silicified shFx and bitumen incl?, some limonitic vuggy pods	float	SE 116I/1	<5			<.2	0.07	<2	80	<2	0.08	<.5	<1	226	37	0.29	<1	<10	<.01	10	<1	8	440	2	<2	<1	9	<10	<10	7	<10	24
96 DH 64B	CDr1?	X	grey limestone	o/c	SE 116I/1 Mt R. 1st ascent	<5			<.2	<.01	10	40	6	>15.00	2	<1	1	1	0.05	<1	<10	0.17	65	1	1	40	22	<2	<1	198	<10	20	1	<10	16
96 DH 65A	CDR2		tabular ang Fxtal chert +limst in dolom matrix, zebra dolom in Fx, euhedral qtz in vugs	o/c	SE 116I/1 Mt R. 1st ascent	<5			<.2	0.02	20	10	<2	14.7	2	<1	9	3	0.05	<1	<10	10.2	295	1	<1	90	32	4	<1	60	<10	<10	10	<10	108
96 DH 65B	CDR2		tabular ang Fxtal chert +limst in dolom matrix, zebra dolom in Fx, euhedral qtz in vugs	o/c	SE 116I/1 Mt R. 1st ascent	<5			<.2	0.04	18	10	<2	13.15	2	<1	60	4	0.12	<1	<10	8.92	195	3	2	120	36	4	<1	59	<10	<10	18	<10	76
96 DH 69	CDR2		brecciated and silicified		Llod- heli-stop	<5			0.2	<.01	2	10	<2	1.08	<.5	<1	250	1	0.26	<1	<10	0.47	75	12	6	360	130	<2	<1	7	<10	<10	10	<10	318
96 DH 71A	Dc		sil shales w pods of light orange Rx, rimmed by banded limonite, clay and black gouge	o/c	SE 116I/8	<5			<.2	2.3	340	240	<2	3.56	7	10	165	161	7.37	<1	<10	1.81	305	45	87	1280	8	6	10	296	<10	<10	1085	<10	342
96 DH 71B	Dc		rusty green and clayey grunge at top of limestone pod or bed	o/c	SE 116I/8	<5			<.2	1.44	70	30	<2	8.6	4	15	42	53	3.59	<1	<10	0.07	300	16	79	620	12	2	3	239	<10	<10	210	<10	196
96 DH 71C	Dc	X	siliceous shale	o/c	SE 116I/8	<5			0.2	0.47	8	190	<2	0.03	<.5	<1	41	1	0.24	<1	<10	0.02	<5	9	6	20	8	<2	<1	9	<10	<10	55	<10	2
96 DH 72A	Dc (/Di)		busted up shale above nodular horizon	o/c	SE 116I/8	<5			<.2	0.77	52	120	<2	0.85	<.5	3	35	35	3.13	<1	<10	0.04	10	9	34	690	24	2	12	42	<10	<10	112	<10	66
96 DH 72B	Dc (/Di)		sulphide-rich rim of nodule w host shale (4cm of each)	o/c	SE 116I/8	<5			<.2	3.68	50	<10	2	1.27	<.5	13	74	129	>15.00	<1	<10	0.91	265	1	89	1410	16	6	16	37	<10	<10	310	<10	334

sample number	Fm	rep	sample description		sample location	983 Au pp FA+A	Pt ppb	Pd ppb	2118 Ag ppm	2119 Al %	2120 As ppm	2121 Ba ppm	2123 Bi ppm	2124 Ca %	2125 Cd ppm	2126 Co ppm	2127 Cr ppm	2128 Cu ppm	2150 Fe %	2131 Hg ppm	2151 La ppm	2134 Mg %	2135 Mn ppm	2136 Mo ppm	2138 Ni ppm	2139 P ppm	2140 Pb ppm	2141 Sb ppm	2142 Sc ppm	2143 Sr ppm	2145 Ti ppm	2146 U ppm	2147 V ppm	2148 W ppm	2149 Zn ppm
96 DH 72C	Dc (/Di)		massive nodular sulphide	o/c	SE 116I/8	<5			<.2	0.38	12	<10	2	0.5	<.5	6	48	44	>15.00	<1	<10	0.01	5	<1	50	50	22	4	<1	10	<10	<10	11	<10	6
96 DH 74	Osl		rusty weath pyritic nodular chert-brecciated+qtz veining	o/c	SE 116I/8	<5			0.2	0.27	2	250	<2	0.13	<.5	4	186	39	1.33	<1	<10	0.08	30	<1	17	210	6	<2	1	11	<10	<10	19	<10	22
96 DH 77A	SDv	X	black chert/carbonaceous graptolitic shale/black limestone 40 cm	o/c	SE 116I/8	<5			0.6	0.33	38	470	<2	4.4	4	1	69	61	0.9	<1	10	0.89	50	62	176	280	6	4	3	225	<10	<10	692	<10	480
96 DH 77B	SDv		composite sample of chert horizons w rusty pods (sulph?)	o/c	SE 116I/8	<5			0.2	0.19	26	490	<2	4.13	4	1	76	38	0.57	<1	<10	0.56	40	34	128	190	4	<2	1	245	<10	<10	523	<10	288
96 DH 81	Osl		brecciated grey limestone in matrix of white carbonate xtals. loc large euhedral qtz		SE 116I/8	<5			<.2	0.01	<2	70	<2	11.95	<.5	<1	67	1	0.11	<1	<10	7.12	150	<1	2	230	<2	<2	<1	49	<10	<10	13	<10	28
96 DH 82	Osl	X	bedded limestone/chert. limestone knobby, Fxtal.	o/c	SE 116I/8	<5			<.2	0.01	<2	120	<2	>15.00	<.5	<1	14	5	0.06	<1	<10	0.22	45	<1	3	390	<2	<2	<1	303	<10	<10	14	<10	36
96 DH 83	COr	X	f.g. brown-beige weathering limestone w loc cc veins	o/c	SE 116I/8	<5			<.2	0.12	<2	120	<2	>15.00	<.5	<1	8	4	0.11	<1	<10	0.46	45	<1	2	660	<2	<2	<1	810	<10	<10	4	<10	6
96 DH 85	OSl?	X	bedded chert/ (limestone/shale) 25 cm	chip	CE 116I/1 Canyon Ck	<5			0.4	0.35	<2	50	<2	7.56	1.5	1	100	19	0.38	<1	10	0.18	65	2	38	3980	2	<2	1	104	<10	<10	174	<10	110
96 DH 86A	OSl?	X	siliceous shale		CE 116I/1 Canyon Ck	<5			<.2	0.3	6	210	<2	6.14	<.5	5	24	32	0.79	<1	<10	0.16	100	13	26	820	12	<2	2	76	<10	<10	29	<10	30
96 DH 87A	Sd	X	orange weathering blocky dolomitic siltstone	o/c	CE 116I/1 Canyon Ck	<5			<.2	0.52	<2	1710	<2	11.45	<.5	2	15	8	4.29	<1	10	4.51	1195	<1	9	220	2	<2	2	431	<10	<10	11	<10	26
96 DH 87B	Sd	X	beige green weathering platy wispy laminated argillite	o/c	CE 116I/1 Canyon Ck	<5			<.2	1.73	<2	510	<2	0.86	<.5	7	40	29	1.87	<1	10	0.7	135	<1	23	340	6	<2	5	28	<10	<10	20	<10	48
96 DH 89	Di	X	light grey,orange weathering siltstone w muscovite on fracture planes I/b w friable grey sh	sluff	CE 116I/1 Canyon Ck	<5			<.2	2.15	10	310	<2	0.15	0.5	13	85	15	3.77	<1	<10	0.64	125	<1	48	460	16	2	4	15	<10	<10	49	<10	118
96 DH 92	Ct		f+c.g. sandstone w rusty seams, clay Fx and tr shiny black ox?		C+SE 116I/7 Wolverine ck down Corbett Hill	<5			<.2	1.56	4	380	<2	0.13	<.5	1	197	13	3.36	<1	<10	0.22	10	<1	15	810	8	<2	3	13	<10	<10	64	<10	70
96 DH 93A	Dus?	X	rusty weath greenish f.g. sandstn 2-5cm I/b w grey weath blocky shale		C+SE 116I/7 Wolverine ck down Corbett Hill	<5			<.2	2.34	10	650	<2	0.03	<.5	4	57	30	3.79	<1	<10	0.28	30	<1	24	100	12	<2	5	32	<10	<10	69	<10	94
96 DH 93B	Ct	X	greenish f to c.g. sandstone to cgl		C+SE 116I/7 Wolverine ck down Corbett Hill	<5			<.2	0.22	6	1250	<2	0.04	<.5	3	275	6	0.89	<1	<10	0.03	25	<1	11	170	4	<2	<1	22	<10	<10	12	<10	58
96 DH 93C	Ct		yellow rusty weath greenish m.g. sandstone w liesegang bands w tr py clots and gp blebs		C+SE 116I/7 Wolverine ck down Corbett Hill	<5			0.2	0.9	28	310	<2	0.02	<.5	4	135	19	3.01	<1	<10	0.13	25	3	19	70	10	<2	2	27	<10	<10	33	<10	92
96 DH 94	Ct-Cf	X	I/b grey maroon shale and lt green maroon weath clean sandstone w small dk specs	o/c	C+SE 116I/7 Wolverine ck down Corbett Hill	<5			<.2	0.62	4	390	<2	0.05	<.5	4	211	13	0.96	<1	<10	0.09	20	<1	17	260	6	<2	2	14	<10	<10	25	<10	116
96 DH 95	Ct-Cf		dk grey, maroon weath sh I/b w siliceous siltstonen nodular and pyritic	o/c	C+SE 116I/7 Wolverine ck down Corbett Hill	<5			<.2	0.6	36	380	<2	1.13	<.5	5	51	27	>15.00	<1	<10	0.67	505	<1	16	2190	28	<2	4	81	<10	<10	69	<10	70
96 DH 96A	Dus	X	thin platy grey-blue, yellow weath sh/sandstone. some graded beds, sulph smell. 25cm	o/c	C+SE 116I/7 Wolverine ck down Corbett Hill	<5			<.2	0.89	18	800	<2	<.01	<.5	<1	22	8	0.66	<1	<10	0.07	<5	8	23	180	16	2	1	47	<10	<10	87	<10	12
96 DH 96B	Dus		layer of nodular light grey pyritic siltstone w masss and diss sulph bands and core. bedded	o/c	C+SE 116I/7 Wolverine ck down Corbett Hill	<5			<.2	1.1	26	50	<2	1.07	11	11	31	162	12.85	<1	<10	0.84	715	34	97	340	12	<2	8	67	<10	10	55	<10	718
96 DH 96C	Dus		composite sample of sulph-rich siltstone- banded (bedded) and podiform	o/c	C+SE 116I/7 Wolverine ck down Corbett Hill	<5			<.2	0.51	46	<10	<2	<.01	<.5	4	59	25	10.85	<1	<10	0.05	5	11	23	50	8	<2	1	6	<10	<10	33	<10	28
96 DH 98	Ct?		coarse sandstone w pod of f to cg py on So	float	C+SE 116I/7 Wolverine ck down Corbett Hill	<5			<.2	1.04	24	30	<2	0.04	<.5	4	109	11	5.69	<1	<10	0.17	5	3	23	340	16	<2	1	5	<10	<10	46	<10	48
96 DH 99	Ct	X	Tuttle cgl	sl/c	CE 116I/7 E of highway, S of Eagle River	<5			<.2	0.17	6	450	<2	1.42	0.5	5	9	4	>15.00	<1	<10	1.16	290	<1	11	1640	12	<2	<1	88	<10	10	24	<10	64
96 DH 100	Dus or Dss	X	unconsolidated blue grey, yellow weathering flaky shale	sl/c	CE 116I/7 E of highway, S of Eagle River	<5			<.2	0.59	46	80	<2	0.01	0.5	<1	54	12	4.96	<1	<10	0.03	<5	8	4	640	12	<2	2	85	<10	<10	49	<10	24
96 DH-102	Dus or Dss		trail of rusty desintegrated rock	sl/c	CE 116I/7 E of highway, S of Eagle River	<5			<.2	8.57	38	30	<2	<.01	<.5	2	119	21	4.54	<1	<10	0.07	5	4	5	200	12	4	87	13	<10	<10	216	<10	32
96 DH 103A	Dus or Dss	X	grey, loc yellow eath fractured shale	sl/c	CE 116I/7 E of highway, S of Eagle River	<5			<.2	0.8	16	750	<2	0.01	<.5	<1	13	37	1.21	<1	<10	0.05	<5	5	8	90	12	<2	2	34	<10	<10	19	<10	30
96 DH 103B	Dus		composite sample of rusty-orange weathering shale/siltstone chips	sl/c	CE 116I/7 E of highway, S of Eagle River	<5			<.2	0.56	6	1350	<2	0.01	<.5	<1	52	6	0.68	<1	<10	0.04	5	2	3	60	6	<2	1	29	<10	<10	14	<10	8
96 DH 104	Dss or Ct	?	blocky orange-red weath siltstone	float	CE 116I/7 E of highway, S of Eagle River	<5			<.2	0.56	10	540	<2	0.97	<.5	7	14	19	>15.00	<1	<10	1.98	1555	<1	99	240	8	<2	8	38	<10	<10	31	<10	134
96 DH 105	Dus		clay altered, fractured grey-black greasy shales, loc yellow weath, one rusty fract siltst bed	o/c	NE 116I/7, w of highway, S of bridge	<5			<.2	1.18	16	250	<2	0.15	<.5	3	22	24	3.67	<1	<10	0.35	150	3	22	210	14	<2	3	52	<10	<10	42	<10	52
96 DH 106	CDr1(COr)		grey weath f.g. limestone cut by xtalline cc veins (1-2cm). Where weatheres pinkish, ox py	float	CW 106L/4 Illtyd camp	<5			<.2	0.06	<2	220	<2	>15.00	<.5	<1	6	7	0.18	<1	<10	0.25	65	<1	1	200	<2	<2	<1	1015	<10	<10	8	<10	12
96 DH 107A	CDr1(COr)		calcite-dolom breccia-vein. Vuggy, w xtal qtz+limonite. amorphous orage-brown coating?	float	CW 106L/4 Illtyd camp	<5			<.2	0.01	<2	30	<2	>15.00	<.5	<1	4	<1	0.31	<1	<10	9.78	360	<1	1	40	<2	<2	<1	64	<10	<10	1	<10	12
96 DH 107B	CDr1(COr)	X	grey weath f.g. pyritic limestone. Silicified? carb coating on fractures	float	CW 106L/4 Illtyd camp	<5			<.2	0.21	<2	380	<2	>15.00	<.5	<1	5	<1	0.18	<1	<10	1.1	45	<1	1	260	<2	<2	<1	1145	<10	<10	4	<10	8
96 DH 109	CDr1(COr)		coarse cc (loc orange-pink) vein w fx dk f.g. limestone in bedded limestone/chert	float	CW 106L/4 Illtyd camp	<5			<.2	0.03	<2	160	<2	>15.00	<.5	<1	4	<1	0.2	<1	<10	0.23	155	<1	<1	130	<2	<2	<1	812	<10	<10	3	<10	6
96 DH 110	CDr1(COr)		cc- dolom breccia vein+alt limestone Fx. vugs w light coloured carb. tr ox py		CW 106L/4 Illtyd camp	<5			<.2	0.01	<2	930	<2	>15.00	<.5	<1	3	<1	0.14	<1	<10	9.31	255	<1	<1	50	<2	<2	<1	75	<10	<10	1	<10	14
96 DH 113	CDr1(COr)		? depends if a or b		CW 106L/4 Illtyd camp	<5			<.2	0.31	<2	80	<2	>15.00	<.5	2	4	<1	0.4	<1	<10	0.62	125	<1	3	70	<2	<2	<1	1030	<10	<10	2	<10	6
96 DH 114	CDr1(COr)		cc-dolom vuggy breccia-vein w angular limestone Fx, limonite-py		CW 106L/4 Illtyd camp	<5			<.2	0.03	<2	60	<2	>15.00	0.5	<1	1	<1	0.24	<1	<10	7.9	230	<1	<1	80	<2	<2	<1	227	<10	<10	2	<10	52
96 DH 115A	CDr1		in trace of fault: brecciated limestone injected w carb. looks munched. slicks?	float	CW 106L/4 Illtyd camp	<5			0.6	0.03	<2	70	<2	>15.00	0.5	<1	1	<1	0.09	<1	<10	0.19	280	<1	<1	10	716	<2	<1	410	<10	<10	<1	<10	186
96 DH 115B	CDr1		in trace of fault:cc injected limestone	float	CW 106L/4 Illtyd camp	<5			<.2	0.03	<2	250	<2	>15.00	<.5	<1	1	<1	0.07	<1	<10	0.19	295	<1	<1	<10	14	<2	<1	426	<10	<10	2	<10	18
96 DH 116	Illtyd		rusty weathering thin bedded knobby pitted limestone, cut by thin cc veins	s/c	CW 106L/4 Illtyd camp	<5			0.6	0.08	2	80	<2	>15.00	<.5	1	2	1	0.68	<1	<10	0.5	1345	<1	3	40	70	<2	<1	220	<10	<10	2	<10	218
96 DH 117	Illtyd		cc vein w limestone Fx, fluorite and black and red agglomerates of py xtals		CW 106L/4 Illtyd camp	<5			2.6	0.12	20	230	<2	>15.00	1.5	1	1	7	1.9	<1	<10	0.09	1070	<1	12	<10	2180	2	<1	341	<10	<10	1	<10	774
96 DH 119	Illtyd		white frothy vuggy limestone w 2% tarn. py in agglomer. and lining vugs. thin xtalline cc ve	float	CW 106L/4 Illtyd camp	<5			0.6	0.11	6	160	<2	11.25	2.5	10	54	4	1.75	<1	<10	0.04	670	1	19	80	54	<2	<1	105	<10	<10	7	<10	504
96 DH 120	Illtyd		very coarse pink and white cc vein w vuggy pyritized wall rx. rough chip	o/c	CW 106L/4 Illtyd camp	<5			<.2	<.01	14	110	6	>15.00	2	<1	<1	4	0.29	<1	<10	0.09	805	<1	1	40	36	2	<1	706	<10	20	<1	<10	70
96 DH 121	Illtyd	X	red weathering knobular limestone, cut by thin Vcc	s/c	CW 106L/4 Illtyd camp	<5			<.2	0.06	10	50	4	>15.00	2	<1	5	2	0.36	<1	<10	0.21	840	<1	3	70	24	2	<1	330	<10	20	1	<10	62
96 DH 122	Illtyd		lt grey massive limestone w 2-5% oxidixed py cubes diss and in aggregates	float	CW 106L/4 Illtyd camp	<5			0.2	<.01	28	120	4	>15.00	4.5	<1	4	3	1.53	<1	<10	0.07	550	<1	9	30	134	2	<1	214	10	10	<1	<10	754
96 DH 123A	Illtyd		bleached+breccited limeston w beige and white cc vein, w diss black mineral and 1 bleb g	float	CW 106L/4 Illtyd camp	<5			<.2	<.01	14	60	4	>15.00	2.5	<1	3	2	0.3	<1	<10	0.06	735	<1	1	40	116	<2	<1	293	10	10	<1	<10	178
96 DH 123B	Illtyd		rusty weatherin limonitic breccia and silicified and sheared? limestone. vuggy	float.	CW 106L/4 Illtyd camp	<5			2	0.27	30	1330	<2	2.24	1	10	132	9	3.21	<1	<10	0.01	105	3	50	70	1705	4	<1	24	<10	<10	9	<10	1575
96 DH 124	Illtyd		qtz breccia w rounded to ang limestone Fx lined by clear drusy qtz, vugs filled by large cc,	float	CW 106L/4 Illtyd camp	<5			1.4	0.03	12	1070	2	10.8	12	<1	63	5	0.54	<1	<10	0.01	300	1	5	40	972	2	<1	101	<10	<10	2	<10	5610
96 DH 125	Illtyd		limonitic vuggy breccia, altered limestone, coarse dark carb, xtalline limonite lining vugs	float	CW 106L/4 Illtyd camp	<5			0.4	0.39	12	2800	<2	5.32	13.5	57	117	10	4.45	1	<10	0.01	2620	3	184	40	74	6	<1	80	<10	<10	5	<10	2040
96 DH 126A	Illtyd		rusty weath porous rx w milky white+clear drusy qtz, mass cp, xtalline malachite, limonite	float	CW 106L/4 Illtyd camp	<5			12.8	<.01	272	70	Intf*	0.98	2	5	47	24.30%	10.35	<1	<10	0.06	895	18	13	Intf*	62	14	1	19	10	20	<1	<10	520
96 DH 126B	Illtyd		rusty weath porous rx w milky white+clear drusy qtz, cp, limonite	float	CW 106L/4 Illtyd camp	<5			0.4	<.01	52	70	Intf*	4.02	<.5	3	331	1.04%	3.56	<1	<10	0.02	2100	1	8	Intf*	6	<2	1	24	<10	<10	2	<10	58
96 DH 127	Illtyd/ Slatts Creek		Qtz-cc vein at contact	in pl	NW 106L/4 Illtyd camp	<5			<.2	<.01	20	210	14	>15.00	2	<1	14	9500	0.71	<1	10	0.09	1500	1	2	<10	16	2	<1	839	<10	10	1	<10	34
96 DH 128A	Slatts Creek	X	dark brown weathering f.g. sandstone, some black shale chips	float	NW 106L/4 Illtyd camp	<5			<.2	1.14	<2	90	<2	1.14	<.5	5	167	108	1.66	<1	30	0.39	170	1	11	170	6	<2	2	22	<10	<10	9	<10	20
96 DH 128B	Slatts Creek	X	tabular brown weathering sandstone	float	NW 106L/4 Illtyd camp	<5			<.2	0.63	6	70	<2	8.41	0.5	4	54	950	1.39	<1	10	0.3	665	1	8	240	10	2	1	139	<10	<10	6	<10	18
96 DH 129A	CDr (COr or Osl)	X	black grey shale	o/c	NE 116I/1 Canyon Ck, below side canyon	<5			1.6	1.5	22	220	<2	7.39	11	3	77	114	1.08	<1	20	2.46	70	9	32	4100	12	6	3	173	<10	<10	268	<10	742
96 DH 129B	CDr (COr or Osl)	X	beige weathering silicified? limestone	o/c	NE 116I/1 Canyon Ck, below side canyon	<5			0.6	0.88	16	1660	<2	10.2	3	1	25	111	0.82	<1	<10	4.93	180	3	14	470	14	4	1	501	<10	<10	153	<10	254
96 DH 127-d	Illtyd/ Slatts Creek		Qtz-cc vein at contact	in pl	NW 106L/4 Illtyd camp													<1																	
96 DH 128A-d	Slatts Creek	X	dark brown weathering f.g. sandstone, some black shale chips	float	NW 106L/4 Illtyd camp													6																	
96 DH 128B-d	Slatts Creek	X	tabular brown weathering sandstone	float	NW 106L/4 Illtyd camp													8																	
96 DH 129A-d	CDr (COr or Osl)	X	black grey shale	o/c	NE 116I/1 Canyon Ck, below side canyon													94																	
96 DH 129B-d	CDr (COr or Osl)	X	beige weathering silicified? limestone	o/c	NE 116I/1 Canyon Ck, below side canyon													19																	
96 DH 130	CDr (COr or Osl)		rusty weath sandy limestone with thin py seams // So and remob perp,	o/c	NE 116I/1 side canyon, Canyon ck	<5			1.4	0.06	98	90	<2	10.5	10	4	142	35	3.09	<1	<10	0.19	55	4	36	140	26	18	<1	403	<10	<10	19	<10	544
96 DH 131	CDr (COr or Osl)		rusty weath sandy w bedded py (1-2cm), massive at base (loc podiform) grades into diss.	o/c	NE 116I/1 side canyon, Canyon ck	<5			2.6	0.26	202	10	2	11.75	<.5	8	26	111	10.6	<1	<10	0.97	45	5	73	820	46	26	<1	330	<10	<10	26	<10	36
96 DH 132	CDr (COr or Osl)		1cm above base of limestone bed, 1-2cm wavy bed of fine diss py (2-4%)	o/c	NE 116I/1 side canyon, Canyon ck	<5			2	0.07	128	120	2	>15.00	>100.0	10	12	115	2.29	<1	<10	0.25	70	7	107	170	24	18	<1	722	<10	10	26	<10	7020
96 DH 133	CDr (COr or Osl)	X	beige weath f.g. dk grey limestone, loc diss sulph. sample 20 cm thick	o/c	NE 116I/1 side canyon, Canyon ck	<5			<.2	0.36	10	840	4	>15.00	4	<1	14	44	0.45	<1	10	1.36	80	4	9	740	14	2	<1	824	<10	10	73	<10	114
96 DH 134	CDr (COr or Osl)	X	black carb. recessive shale (in dom limestone succcession)	o/c	NE 116I/1 side canyon, Canyon ck	<5			2.8	1.16	34	530	<2	11.65	29.5	3	27	112	0.86	<1	<10	1.87	60	18	39	690	30	10	4	404	<10	10	465	<10	1540
96 DH 135	CDr (COr or Osl)		c to f.g.. limestone w 2-4% py at base. overlain by thin dark pyritiferrous lam	s/c	NE 116I/1 side canyon, Canyon ck	<5			<.2	0.12	24	230	2	>15.00	5	<1	17	32	1.16	<1	<10	0.8	55	7	9	680	16	6	<1	528	<10	10	30	<10	250
96 DH 136	CDr (COr or Osl)		massive podiform py and bands lining limestone pods (pink-mottled weath py)	o/c	NE 116I/1 side canyon, Canyon ck	<5			4.5	0.17	208	<10	2	9.98	<.5	7	46	63	>15.00	<1	<10	0.3	35	5	61	90	60	90	<1	255	<10	<10	30	<10	108
96 DH 137	CDr (COr or Osl)		large py pods-discs on So, loc blue tarnish. py lined with lineated cc	float	NE 116I/1 side canyon, Canyon ck	<5			2.2	0.17	116	10	2	10	<.5	6	25	34	12.2	<1	<10	0.65	40	4	45	110	38	40	<1	318	<10	<10	15	<10	20
96 DH 138	CDr vein		Xtalline cc vein w angular limestone fx	o/c	NE 116I/1 side canyon, Canyon ck	<5			0.6	0.48	20	390	2	>15.00	9	<1	19	23	0.94	<1	<10	1.61	115	4	15	200	20	6	<1	561	10	10	186	<10	490
96 DH 139	CDr2		fault, slicked + drusy carb, fractured + veined limestone, some limonite coating	o/c	NE 116I/1 Canyon Ck, below side canyon	<5			<.2	0.06	8	250	4	>15.00	2	<1	6	12	0.39	<1	<10	0.86	55	1	4	770	14	4	<1	520	<10	20	19	<10	18
96 DH 140	CDr2	X	base of bed	o/c	NE 116I/1 Canyon Ck, below side canyon	<5			<.2	0.05	12	70	4	>15.00	2.5	<1	4	4	0.1	<1	<10	0.3	25	<1	3	430	16	2	<1	361	<10	20	11	<10	38
96 DH 141	CDr (COr or Osl)		lense of mass py, (w edge as cubes) lined by lineated cc vein, in grey, rusty weath limesto	float	NE 116I/1 Canyon Ck, below side canyon	<5			0.4	0.37	74	10	2	8.28	3	4	42	35	10.15	<1	<10	0.64	45	16	15	680	24	20	<1	248	<10	<10	43	<10	290
96 DH 142	CDr (COr or Osl)		1 Cm thick mass py lense lined by and cut by cc, in limestone	float	NE 116I/1 Canyon Ck, below side canyon	<5			0.8	0.05	50	80	2	>15.00	1.5	1	4	7	2.82	<1	<10	0.3	45	2	6	150	20	26	<1	521	<10	10	8	<10	26
96 DH 143	CDr (COr or Osl)		2 thin seams of py+cc form lense in limestone	float	NE 116I/1 Canyon Ck	<5			0.2	0.2	80	20	<2	7.98	4	7	84	41	7.83	<1	<10	0.51	45	6	23	250	20	14	<1	225	<10	<10	11	<10	282
96 DH 144	CDr (COr or Osl)		podiform band of blue tarnished mass py (up to 1.5cm, lined by cc, in limestone	float	NE 116I/1 Canyon Ck	<5			1.8	0.09	82	70	2	>15.00	1.5	2	16	13	4.55	<1	<10	0.85	45	3	17	270	30	30	<1	559	<10	10	26	<10	38
96 DH 145	CDr (COr or Osl)		composite float sample of bands and pods of mass py in limestone	float	NE 116I/1 Canyon Ck, below side canyon	<5			3.2	0.32	116	40	<2	10.55	3.5	4	28	28	5.81	<1	<10	1.02	40	5	33	230	38	24	<1	351	<10	<10	34	<10	238
96 DH 146	CDr (COr or Osl)		pinkish weathering spotty limestone w 2-5% diss f to mg py	float	NE 116I/1 Canyon Ck, below side canyon	<5			0.2	0.32	30	170	2	>15.00	3	1	10	16	1.63	<1	10	1.46	80	5	11	2630	18	8	<1	693	<10	10	92	<10	120
96 DH 150A	Di	X	brown and rusty weath sandstone + grey weath shale, carb mat on So	sl/c	NE 118I/8	<5			<.2	1.88	12	390	2	0.38	<.5	14	57	42	5.77	<1	<10	0.51	545	2	58	480	12	2	8	48	<10	<10	47	<10	178
96 DH 150B	Di?		clean sandstone w wisps of dk org mat. carbon parting due to fault? loc slicked	o/c	NE 118I/8	<5			0.2	0.13	<2	80	<2	0.84	<.5	1	287	6	0.35	<1	<10	0.04	20	<1	7	80	2	<2	<1	26	<10	<10	7	<10	14
96 DH 152A	Sd	X	greenish grey to brown weath argill, loc bioturbated	o/c	NE 118I/8	<5			<.2	1.5	<2	650	<2	1.09	<.5	7	47	37	2.51	<1	10	1.02	260	<1	20	180	4	<2	4	29	<10	<10	22	<10	50
96 DH 152B	Sd	X	rusty orange dolomitic siltstone interbeds	o/c	NE 118I/8	<5			<.2	1.36	6	1210	<2	8.07	0.5	8	28	23	4.61	<1	10	3.92	2340	<1	29	260	10	2	4	250	<10	<10	18	<10	30
96 DH 153A	Osl		brecc limestone w ang Fx in carb matrix. pod of soft beige mat containing black platy min	float	NE 118I/8	<5			<.2	0.12	20	1560	<2	14	2	<1	13	13	0.4	<1	<10	9.09	240	2	3	630	16	4	<1	77	<10	<10	17	<10	26
96 DH 154	Osl		white vyggy dolom/qtz ? vein	float	NE 118I/8	<5			<.2	0.04	22	130	<2	>15.00	2	<1	4	3	0.07	<1	<10	11.15	260	1	<1	70	20	4	<1	57	<10	10	5	<10	10
96 DH 155	Osl		orange weathering ank/dolom? breccia w limestone and vein mat clasts	float	NE 118I/8	<5			<.2	0.04	16	140	<2	>15.00	2	<1	5	7	0.63	<1	<10	5.94	250	4	4	300	28	4	<1	115	<10	10	12	<10	64
96 DH 156	Osl		white weath white and grey dolom vein w vugs lined by cream coloured carb	float	NE 118I/8	<5			<.2	0.04	22	320	<2	>15.00	1.5	<1	6	1	0.07	<1	<10	10.5	220	1	<1	120	16	4	<1	69	<10	10	6	<10	14
96 DH 157B	CDr1		coarse cc vein	float	NE 118I/8	<5			<.2	0.04	6	150	4	>15.00	2	<1	2	3	0.19	<1	<10	0.49	65	<1	1	60	18	<2	<1	546	10	20	5	<10	6
96 DH 161	COr		brecciated and veined limestone w matrix of light orange cc		NE 118I/8	<5			<.2	<.01	8	190	6	>15.00	2	<1	1	2	0.32	<1	<10	0.54	105	1	2	140	16	<2	<1	1010	<10	10	1	<10	2
96 DH 162	COr	X	limestone		NE 118I/8	<5			<.2	0.04	12	260	4	>15.00	2	<1	4	4	0.31	<1	<10	0.27	40	2	3	300	18	2	<1	1365	<10	10	8	<10	8
96 DH 163	COr		composite sample of veined, breecciated and bleached limestone, light orange cc veining	float	NE 118I/8	<5			<.2	0.07	16	150	<2	>15.00	1.5	<1	6	1	0.24	<1	<10	5.25	100	1	<1	110	16	2	<1	577	<10	10	1	<10	2
96 DH 164	Di	X	grey brown weathering fractured shales w rusty podiform siltstone beds. 35cm	o/c	center 116I/8	<5			0.2	1.38	18	450	<2	1.88	0.5	18	29	55	4.57	<1	<10	0.62	400	10	89	400	16	2	10	78	<10	<10	55	<10	270
96 DH 165A	Dc		dk grey weath loc yellow, thin platy siliceous shales. 25cm	o/c	center 116I/8	<5			0.6	0.43	6	320	<2	0.36	<.5	<1	50	1	0.18	<1	<10	0.08	<5	13	16	10	8	4	<1	12	<10	<10	134	<10	6
96 DH 165B	Dc		crumbly rusty siliceous shale in vertical fault trace (25cm)	o/c	center 116I/8	<5			0.6	0.55	30	120	<2	0.05	<.5	2	39	6	2.88	<1	<10	0.03	<5	20	23	310	8	6	2	40	<10	<10	168	<10	62
96 DH 166	Dc	X	dk grey blue w loc yellow weath thin to med bedded chert w sil shale interbeds	o/c	center 116I/8	<5			<.2	0.16	2	300	<2	0.07	<.5	<1	125	2	0.27	<1	<10	0.01	5	11	8	10	4	<2	<1	8	<10	<10	31	<10	2

						983			2118	2119	2120	2121	2123	2124	2125	2126	2127	2128	2150	2131	2151	2134	2135	2136	2138	2139	2140	2141	2142	2143	2145	2146	2147	2148	2149
			sample			Au pp	Pt	Pd	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	La	Mg	Mn	Mo	Ni	P	Pb	Sb	Sc	Sr	Tl	U	V	W	Zn
sample number	Fm	rep	description		sample location	FA+A	ppb	ppb	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
96 DH 167A	Dc	X	yellow weathering chert	o/c	center 116I/8	10	<5	2	0.4	0.48	60	170	<2	0.04	<.5	<1	104	7	1.84	<1	<10	0.04	5	142	565	220	8	<2	1	100	10	<10	226	<10	14
96 DM 167B	Dc		top of (busted up) siliceous shale- some green leached material. no vis sulph. 3-4cm	o/c	center 116I/8	150	225	142	2.8	1.3	218	40	<2	0.24	1	3	109	15	2.29	2	<10	0.12	20	417	3560	150	26	20	3	67	70	<10	359	<10	54
96 DM 167C	Dc		whole of (busted up) shale horizon, includes few flat and disc-shaped barite nodules. 20 c	o/c	center 116I/8	22	30	22	1	0.88	80	60	<2	0.14	0.5	1	62	11	1.44	<1	<10	0.08	5	223	439	110	20	10	1	60	30	<10	382	<10	42
96 DM 167D	SDv?		top of limestone pod, rust rind, carb veining. 8cm	o/c	center 116I/8	4	<5	<2	<.2	0.56	52	40	<2	12.75	20.5	7	32	70	2.53	<1	<10	0.24	150	29	293	950	4	<2	3	776	<10	<10	116	<10	514
96 DM 168A	Dc		at contact between shale and chert: thin limestone band 3-6cm	o/c	center 116I/8	32	25	14	<.2	0.46	280	790	<2	11.65	10	5	49	146	4.61	<1	10	1.38	410	206	146	540	6	8	8	753	40	<10	146	<10	182
96 DM 168B	Dc/Sdv?		top of (busted) shale horizon w barite nodules	o/c	center 116I/8	14	<5	2	0.8	0.62	116	230	<2	0.04	<.5	<1	24	5	0.84	<1	<10	0.05	<5	106	37	260	16	26	1	37	10	<10	272	<10	10
96 DM 168C	Dc/Sdv		top of shale horiz: vuggy, very light earthy dull brown w wavy laminations. Sinter? algal la	o/c	center 116I/8	188	185	110	3.4	0.51	984	220	<2	0.04	1	<1	55	9	1.13	3	<10	0.05	<5	184	51	460	28	70	1	41	10	<10	264	<10	20
96 DM 169A	Dc/Sdv		blue siliceous shale w barite nodules. 20 cm	o/c	center 116I/8	48	60	42	1	0.58	110	70	<2	0.73	<.5	<1	49	4	0.91	1	<10	0.05	<5	96	73	380	12	14	1	107	50	<10	218	<10	46
96 DM 169B	Dc/Sdv		comp sample of alt, fract+veined lim w po/py finely diss along laminae, as wispy lam and b	o/c	center 116I/8	42	60	26	<.2	0.2	370	10	<2	12.85	4	18	18	65	7.46	<1	10	0.25	150	186	3840	2400	6	12	7	786	20	10	86	<10	386
96 DH 169C	Dc/Sdv		limestone w some po mineralization, approx 2/3 of total bed	o/c	center 116I/8	15			<.2	0.3	260	20	2	14.2	4.5	15	23	54	5.65	<1	10	0.71	190	163	3450	2810	16	16	7	757	10	10	119	<10	436
96 DM 169D	Dc/Sdv		composite sample of mineralized limestone bed , less po than in b	o/c	center 116I/8	34	60	20	<.2	0.23	312	10	<2	10.4	5	17	37	66	7.24	1	10	0.22	150	163	3100	2160	6	12	5	609	10	<10	79	<10	308
96 DH 170A	SDv	X	i// black chert/beige-grey bedded limestone	o/c	center 116I/8	<5			0.6	0.06	22	550	<2	7.84	13.5	<1	153	33	0.26	<1	<10	0.46	35	11	54	160	8	8	1	886	<10	<10	268	<10	670
96 DH 170B	SDv		rusty grungy fract horizon w turqu to fluo green coating at limestone to chert/limestone tra	o/c	center 116I/8	15			4	0.51	1710	60	2	15	70	58	58	348	3.8	4	30	0.53	85	929	>10000	5690	26	142	1	701	40	140	770	<10	5980
96 DH 171	SDv	X	black carbonnaceous shale and siltier beds	o/c	center 116I/8	<5			1.8	0.42	20	440	<2	7.88	3.5	3	165	79	0.87	<1	10	1.37	100	8	150	3380	8	4	4	446	<10	<10	175	<10	626
96 DH 172	SDv		massive py bed/seam // So, up to 3-4 cmX min 10m	o/c	center 116I/8	<5			4.8	0.51	160	<10	<2	0.96	6	5	74	79	>15.00	<1	<10	0.32	35	30	70	340	28	88	<1	19	<10	<10	526	<10	500
96 DH 173	Sd	X	blocky laminated siltstone w 2-3% py diss + in wisps	o/c	center 116I/8	<5			<.2	1.31	6	150	<2	5.98	<.5	10	37	22	3.25	<1	10	3.25	360	<1	30	490	10	2	5	237	<10	<10	31	<10	62
96 DH 174	Sd	X	orange weathering wispy laminated siltstone w py in pods and in bands	float	center 116I/8	20			0.6	1.33	4	<10	<2	0.99	<.5	70	80	66	9.7	<1	<10	0.93	260	<1	114	250	30	4	3	21	<10	<10	23	<10	88
96 DH 175	Dc?	X	rx chips of grey (some yellow) weath platy and blocky siliceous shales	s/c	NE 116I/1	<5			0.4	0.49	6	580	<2	0.05	<.5	<1	58	23	0.46	<1	<10	0.04	10	6	14	30	2	2	1	9	<10	<10	181	<10	6
96 DH 178	SDv	X	dark grey shale float patches	float	NE 116I/1	<5			0.4	0.85	2	2540	<2	0.14	1.5	4	62	43	1.21	<1	10	0.19	90	1	32	310	6	<2	4	22	<10	<10	37	<10	154
96 DH 179	Sd		crinoidal vuggy bioclastic siltstone, py in wisps, replace fossils?	float	NE 116I/1	<5			<.2	1.53	<2	1880	<2	4.16	0.5	7	36	28	2.08	<1	10	0.83	220	1	22	430	6	<2	4	70	<10	<10	30	<10	86
96 DH 180	OSl	X	(rusty weath) pinkish grey to grey chert		NE 116I/1	<5			<.2	0.14	2	160	<2	0.02	<.5	1	327	29	0.88	<1	<10	0.01	15	<1	8	250	2	<2	<1	10	<10	<10	16	<10	8
96 DH 181A	OSl		dark grey, vuggy dolomitized limestone w carb xtals lining vugs + smithsonite?+ cc veining	float	NE 116I/1	<5			<.2	0.13	22	250	<2	>15.00	1.5	<1	6	4	0.72	<1	10	9.15	235	6	6	360	16	4	<1	873	<10	10	33	<10	62
96 DH 181B	OSl		same as above vuggier, vuggs loc rimmed by py cubes and filled by coarse carbonate xtal	float	NE 116I/1	<5			<.2	0.07	20	400	<2	>15.00	1.5	<1	5	3	0.59	<1	20	9.04	210	5	3	370	14	4	<1	1025	<10	10	20	<10	6
96 DH 182	CDr2	X	coarse clasts of limestone, chert, siltstone in limestone (loc chert) matrix	float	NE 116I/1	<5			<.2	0.01	10	200	4	>15.00	4	<1	13	7	0.06	<1	<10	0.17	70	1	3	390	16	<2	<1	299	<10	20	13	<10	38
96 DH 183	CDr (COr or Osl)	X	beige weathering, f.g. platy dk limestone, carb on fract plane	float	NE 116I/1	<5			<.2	0.33	10	430	2	>15.00	2.5	<1	13	18	0.29	<1	<10	0.81	70	4	8	880	14	2	<1	469	<10	10	57	<10	84
96 DH 184A	SDv		flaky black grungy shale, some malach-az? coating, round vugs?	o/c	SW 116I/16	<5			1.4	0.24	78	440	<2	9.16	31.5	1	63	361	0.49	<1	<10	3.59	250	29	112	420	8	106	2	935	<10	<10	513	<10	1325
96 DH 184B	SDv		black and grey banded chert, some malach coating	o/c	SW 116I/16	<5			2.2	0.13	98	260	<2	3.48	12	1	191	505	0.36	<1	<10	0.24	50	9	60	100	2	170	1	379	<10	<10	238	<10	638
96 DH 184C	SDv		grungy broken up zone in sh w malach-az coating w carb or gypsum veining	o/c	SW 116I/16	<5			1.8	0.73	218	70	2	4.13	30	26	58	939	1.7	<1	<10	0.79	395	37	1255	250	4	218	2	225	<10	<10	581	<10	2340
96 DH 184D	Dc vein		boulder in scree slope, orange weath mass qtz vein+siliceous breccia, small Rx fx +sl vug	float	SW 116I/16	<5			<.2	0.01	2	2250	<2	0.12	1	<1	339	9	0.35	<1	<10	0.03	25	<1	8	170	2	<2	<1	6	<10	<10	5	<10	40
96 DH 184E	Dc vein		boulder in scree slope, orange weath mass qtz vein+siliceous breccia, small Rx fx +sl vug	float	SW 116I/16	<5			<.2	0.11	26	1010	<2	>15.00	4.5	1	16	60	0.26	<1	<10	4.06	250	4	83	290	14	18	<1	1350	<10	10	79	<10	200
96 DH 185	Dc		pale brown weath banded dolom? limestone pod or bed , incl some repla. chert blebs// la	o/c	SW 116I/16	<5			<.2	0.05	20	460	<2	12.9	2.5	<1	41	5	0.22	<1	<10	8.86	705	5	15	180	14	4	<1	1485	<10	<10	126	<10	114
96 DH 186	Di	X	disc shaped siltstone nodules in friable shale i/w rusty weath siltstone	o/c	SW 116I/16	<5			<.2	2.77	8	240	2	0.72	5.5	11	27	17	>15.00	<1	<10	2.15	3920	<1	49	750	14	8	18	37	<10	<10	61	<10	156
96 DH 187A	Dc?/SDv?	X	bluish to dk grey, loc rusty and yellow weath platy shales	o/c	NW 116I/16	<5			0.6	1.41	26	750	<2	0.71	0.5	2	138	75	1.84	<1	10	0.68	30	54	70	2910	6	8	7	161	<10	<10	1640	<10	232
96 DH 188A	SDv		dk graptolitic shale w thin py seam	o/c	NW 116I/16	<5			0.4	0.91	50	10	<2	2.49	4	7	51	45	6.12	<1	<10	0.77	80	94	154	240	12	6	2	77	<10	10	504	<10	338
96 DH 188B	SDv		dk graptolitic shale w band <1cm of finely diss py	o/c	NW 116I/16	<5			1	1.14	46	30	<2	1.13	2	7	58	56	7.12	<1	<10	0.72	90	104	152	780	16	8	3	78	<10	40	594	<10	216
96 DH 188C	SDv		dk graptolitic shale w graded py bed <1cm	o/c	NW 116I/16	<5			3.6	1.13	112	10	2	2.35	2.5	4	107	268	11.6	<1	<10	0.43	30	54	81	2320	40	16	<1	63	<10	<10	1110	<10	286
96 DH 188D	SDv		dk graptolitic shale w graded py bed <1-1.5 cm thick, 2m below previous sample	o/c	NW 116I/16	<5			5.6	0.9	190	10	2	0.19	<.5	5	93	210	>15.00	<1	<10	0.5	40	69	214	530	38	24	<1	6	<10	<10	918	<10	140
96 DH 188E	SDv	X	black graptolitic shale	o/c	NW 116I/16	<5			0.8	0.84	26	490	<2	3.36	13	2	78	57	0.89	<1	<10	0.96	60	46	147	230	10	2	4	248	<10	10	1060	<10	556
96 DH 190	Dc		cc-dolom vein in fault in Dc? chert	o/c	NW 116I/16	<5			<.2	<.01	22	680	<2	>15.00	6.5	<1	10	33	0.11	<1	<10	6.66	825	1	7	30	14	12	<1	2240	<10	10	51	<10	120
96 DH 191	Dc		baritic limestone? pod (dolomitic)	o/c	NW 116I/16	<5			<.2	0.34	30	2870	<2	12.6	10	<1	40	33	0.39	<1	<10	8.94	370	13	22	420	14	6	<1	1315	<10	<10	433	<10	282
96 DH 192	Sd	X	light grey green pyritic argillite	float	NE 116I/16	<5			<.2	1.15	<2	2030	<2	2.34	1.5	5	39	69	2.72	<1	10	1.43	535	1	20	210	2	2	5	172	<10	<10	24	<10	84
96 DH 193	Jk	X	super clean sandstone,vitreous grey weath, rusty fracture planes	float	NE 116I/16	<5			<.2	0.07	<2	310	<2	0.04	<.5	<1	464	2	0.43	<1	<10	0.02	20	1	5	10	<2	<2	<1	5	<10	<10	5	<10	2
96 DH 194	Jk	X	rusty brown weath cgl, includes chert Fx	float	NE 116I/16	<5			<.2	0.22	20	140	<2	1.12	<.5	2	273	3	2.05	<1	<10	0.04	30	1	8	1220	6	<2	1	31	<10	<10	32	<10	16
96 DH 195	Jk		trail of rusty punky weathering sandstone	float	NE 116I/16	<5			<.2	0.2	14	590	<2	8.93	0.5	1	129	2	2.26	<1	<10	1.51	25	1	7	1690	8	2	1	155	<10	<10	18	<10	22
96 DH 198	OSl		vuggy and veined (cc-qtz\some drusy) conglomeratic limestone, app // So	o/c	NE 116I/16	<5			<.2	0.03	10	890	<2	10.85	2.5	<1	101	35	0.13	<1	<10	4.32	95	3	6	670	8	2	<1	466	<10	<10	93	<10	46
96 DH 199A	OSl		later extensional vein w shale Fx, qtz// to vein walls and cc xtals, diss cp <1%	o/c	NE 116I/16	<5			<.2	0.03	8	210	<2	7.55	2	<1	129	266	0.25	<1	<10	3.86	225	3	5	620	8	2	<1	214	<10	<10	119	<10	28
96 DH 199B	OSl		as -a, shale Fx lined by oblique drusy qtz and ank?, diss cp, az, bn loc in 0.5 cm globs	o/c	NE 116I/16	<5			<.2	0.04	2	250	<2	5.58	0.5	<1	196	257	0.34	<1	<10	1.83	155	2	7	910	4	<2	<1	192	<10	<10	81	<10	26
96 DH 201	CDr1/COr	X	finely banded limestone/chert (loc nodular)	o/c	CW 116I/8	<5			<.2	0.04	6	60	<2	8.97	0.5	1	110	17	0.21	<1	<10	0.11	210	1	5	490	6	<2	<1	172	<10	<10	6	<10	18
96 DH 202A	CDr2	X	limestone and chert Fx (some bleached) in limestone matrix. Dolomitized	o/c	CW 116I/8	<5			<.2	0.05	24	10	<2	13.4	1.5	<1	18	3	0.09	<1	<10	9.47	115	3	1	560	16	4	<1	67	<10	10	19	<10	10
96 DH 202B	CDr2		as -a, with drusy qtz around Fx and in vugs	o/c	CW 116I/8	<5			<.2	0.01	10	100	<2	8.76	0.5	<1	91	2	0.16	<1	<10	5.83	110	1	1	50	8	2	<1	61	<10	<10	6	<10	2
96 DH 203	SDv?	X	chips of beige weathering chert and cherty shale	float	NW 116I/9	<5			0.8	0.35	18	410	<2	0.11	0.5	<1	91	43	0.52	<1	10	0.08	10	26	42	140	10	8	2	16	<10	<10	997	<10	152
96 DH 204	Dc	X	yellow weathering bluish fractured chert	o/c	NW 116I/9	<5			<.2	0.49	26	270	<2	0.1	<.5	<1	157	16	0.39	<1	<10	0.01	5	24	14	1030	2	2	6	195	<10	<10	197	<10	10
96 DH 205A	SDv	X	beige weath chert/ shale/ limestone	s/c	SW 116I/16	<5			0.4	0.27	12	820	<2	2.3	21	1	94	77	0.44	<1	<10	0.06	30	21	54	80	6	6	2	84	<10	<10	455	<10	364
96 DH 205B	Dc	X	siliceous shale and yellow weathering chert		SW 116I/16	<5			<.2	0.24	6	700	<2	0.12	<.5	<1	106	19	0.64	<1	<10	0.03	5	13	27	60	4	2	<1	52	<10	<10	83	<10	38
96 DH 205C	Dc		finely fractured and qtz veined chert- siliceous breccia	float	SW 116I/16	<5			0.4	0.1	4	200	<2	0.01	<.5	<1	306	16	0.42	<1	<10	0.01	10	6	7	70	<2	<2	<1	20	<10	<10	51	<10	<2
96 DH 205D	Dc/Sdv?	X	carbonaceous shales and chert w carbonnaceous shaly partings	o/c	SW 116I/16	<5			0.2	0.22	2	600	<2	0.01	<.5	<1	109	42	0.21	<1	<10	0.01	<5	17	19	80	2	<2	<1	25	<10	<10	169	<10	2
96 DH 206A	SDv	X	beige weathering shale/limestone/chert	f/c	CW 116I/16	<5			0.2	0.52	32	590	<2	0.24	17	3	93	82	0.93	<1	10	0.04	30	74	121	420	6	8	5	48	<10	<10	707	<10	412
96 DH 206B	Dc	X	yellow weathering siliceous shale and thin chert		CW 116I/16	<5			<.2	0.33	8	980	<2	0.02	0.5	<1	49	20	0.56	<1	<10	0.02	<5	28	16	110	4	2	1	43	<10	<10	217	<10	12
96 DH 207	Dus	X	chips of grey weathering shale	sluff	NE 116I/7	<5			<.2	0.55	12	390	<2	0.08	<.5	2	73	12	1.27	<1	<10	0.11	20	5	11	70	8	<2	2	24	<10	<10	26	<10	44
96 GM 02	CDr1		chert breccia w qtz veining		116I/1	<5			0.2	0.09	2	120	<2	0.2	0.5	1	356	36	0.49	<1	<10	0.11	45	6	15	210	<2	<2	<1	4	<10	<10	36	<10	78
96 GM 03	CDr2?		dolomitic cgl, qtz lined vugs		116I/1	<5			<.2	0.01	<2	10	<2	>15.00	<.5	<1	10	<1	0.13	<1	<10	9.67	185	<1	<1	220	<2	<2	<1	45	<10	<10	7	<10	10
96 GM 05	CDr1		chert w qtz veins		116I/1	<5			<.2	0.04	2	30	<2	2.01	0.5	2	309	12	0.5	<1	<10	1.14	110	9	13	430	<2	<2	<1	17	<10	<10	17	<10	130
96 GM 08	CDr1		qtz breccia in chert, qtz drusy and in veins	float	116I/1	<5			<.2	0.03	<2	30	<2	3.39	0.5	<1	252	3	0.34	<1	<10	1.21	80	1	5	1040	<2	<2	<1	47	<10	<10	3	<10	36
96 GM 11	CDr1		slicked qtz breccia, drusy qtz (cgl?)		116I/1	<5			<.2	0.06	<2	70	<2	1.71	0.5	1	291	11	0.44	<1	<10	0.95	150	4	11	380	<2	<2	<1	20	<10	<10	13	<10	114
96 GM 14	CDr1		reddish soil in rusty weathering chert	soil	116I/1	<5			<.2	0.33	<2	320	<2	>15.00	<.5	<1	30	4	0.68	<1	<10	0.77	375	<1	3	30	4	2	<1	386	<10	<10	1	<10	36
96 GM 15	CDr1		qtz breccia in chert, veining and drusy		116I/1	<5			<.2	0.05	2	30	<2	2.28	0.5	<1	357	7	0.41	<1	<10	1.28	110	4	10	570	<2	<2	<1	20	<10	<10	17	<10	58
96 GM 17	CDr1	X	limestone		116I/1	<5			<.2	0.07	<2	210	<2	>15.00	<.5	<1	11	4	0.34	<1	<10	0.25	85	<1	7	270	<2	<2	<1	303	<10	<10	7	<10	30
96 GM 18	CDr1		extensional qtz veining in limestone		116I/1	<5			<.2	0.01	<2	90	<2	>15.00	0.5	<1	12	2	0.06	<1	<10	0.7	75	<1	1	520	<2	<2	<1	669	<10	<10	18	<10	40
96 GM 19	CDr1		limestone w qtz veins or limestone/chert breccia		116I/1	<5			0.2	0.06	<2	120	<2	>15.00	1	<1	11	7	0.13	<1	<10	0.26	185	<1	3	2450	<2	<2	<1	528	<10	<10	29	<10	60
96 GM 22	CDr2?		cgl w angular chert clasts, pods of euhedral qtz		116I/1	<5			5.4	0.01	<2	10	<2	0.47	<.5	<1	464	19	0.46	<1	<10	0.01	40	1	6	40	20	4	<1	8	<10	<10	4	<10	12
96 GM 23A	Sd	X	rusty weath wispy dolomitic siltstone, py diss and in agglomerates. 20 cm		116I/1	<5			<.2	0.96	<2	1830	<2	7.99	<.5	3	31	12	3.95	<1	20	3.66	950	<1	12	350	<2	<2	4	388	<10	<10	17	<10	40
96 GM 23B	Sd	X	argillite, diss py		116I/1	<5			<.2	1.46	<2	1130	<2	0.81	<.5	4	48	34	2.04	<1	10	0.78	155	<1	24	340	2	<2	4	33	<10	<10	24	<10	68
96 GM 27	Illtyd	X	nodular limestone (knobular?). 40 cm.		106L/4	<5			0.2	0.1	<2	60	<2	>15.00	0.5	1	3	1	0.39	<1	<10	0.58	840	<1	1	50	14	<2	<1	336	<10	<10	1	<10	280
96 GM 28	Illtyd	X	yello-brown weath, light grey vuggy limstn w py and lim agglomerates		106L/4	<5			0.2	<.01	<2	1320	<2	>15.00	<.5	<1	3	<1	0.39	<1	<10	0.16	480	<1	<1	10	144	<2	<1	278	<10	<10	1	<10	58
96 GM 29	Illtyd		calcite breccia in limestone, veinlets mm-cm scale	float	106L/4	<5			<.2	0.01	<2	70	<2	>15.00	2.5	<1	1	<1	0.13	<1	<10	0.15	785	<1	<1	<10	16	<2	<1	328	<10	<10	3	<10	1005
96 GM 30	Illtyd		black, rusty weathering limonitic limestone?		106L/4	<5			0.2	0.1	66	140	<2	0.48	<.5	8	7	128	>15.00	1	<10	0.03	2.32%	<1	6	40	14	<2	1	18	<10	20	3	<10	62
96 GM 32	SDv		grey weath black argillite w barite-calcite xtals	o/c	116I/16	<5			0.6	0.47	10	14%	<2	8.45	16.5	<1	73	40	0.3	<1	<10	0.17	105	5	51	2210	<2	2	1	5290	<10	<10	242	<10	304
96 GM 33	SDv		pod of black xtalline barite in grey/rusty weath chert and shale	o/c	116I/16	<5			0.2	0.19	6	36.20%	<2	9.36	24.5	<1	23	15	0.15	<1	<10	0.04	15	3	24	540	<2	<2	<1	3630	<10	<10	173	<10	250
96 GM 34	SDv		black argillite w large euhedral barite xtals	float	116I/16	<5			0.4	0.74	14	16.80%	<2	1.47	29.5	<1	38	50	0.48	<1	<10	0.11	55	21	140	1620	2	<2	1	332	<10	<10	871	<10	1585
96 GM 35	SDv		qtz chert breccia, slicks	float	116I/16	<5			0.6	0.27	14	2460	<2	1.22	8.5	<1	303	52	0.61	<1	<10	0.7	80	12	28	410	2	<2	1	55	<10	<10	466	<10	142
96 GM 36	SDv	X	rusty weath black shales. 20 cm	o/c	116I/16	<5			2.4	0.87	46	1340	<2	0.13	37.5	2	86	103	1.84	<1	<10	0.11	45	132	282	260	14	6	7	32	<10	20	1850	<10	1885
96 GM 37	Sd?		brown weath limestone cgl, ooids?, small rusty clasts		116I/16	<5			<.2	0.06	<2	310	<2	>15.00	<.5	1	7	1	0.71	<1	<10	0.45	890	<1	10	1990	6	<2	<1	615	<10	<10	7	<10	12
96 GM 38	OSl		rusty black weath massive grey chert	o/c	116I/16	<5			<.2	0.09	<2	280	<2	0.06	<.5	1	258	14	1.03	<1	<10	0.01	25	<1	8	210	2	<2	1	7	<10	<10	9	<10	12
96 GM 39	OSl		chert qtz breccia		116I/16	<5			<.2	0.15	<2	1550	<2	1.49	<.5	<1	212	18	0.66	<1	<10	0.93	70	1	12	190	<2	<2	<1	22	<10	<10	7	<10	20
96 GM 40	OSl	X	grey chert		116I/16	<5			<.2	0.16	<2	380	<2	0.03	<.5	1	352	21	0.78	<1	<10	0.05	25	<1	11	120	2	<2	<1	7	<10	<10	5	<10	4
96 GM 42	CDr1/COr	X	lt grey weath med grey limestone		106L4	<5			<.2	0.01	<2	240	<2	>15.00	0.5	<1	6	<1	0.15	<1	<10	0.56	35	<1	1	60	<2	<2	<1	505	<10	<10	16	<10	40
96 GM 44	CDr2?		limestone breccia or cgl, clasts of cc		106L4	<5			<.2	0.09	<2	300	<2	>15.00	0.5	<1	18	3	0.19	<1	<10	1.08	60	<1	2	1390	<2	<2	<1	421	<10	<10	37	<10	42
96 GM 45	CDr2		sharpstone breccia, loc vuggy w euhedral qtz and cc	o/c	106L4	<5			<.2	0.01	<2	240	<2	7.67	<.5	<1	108	<1	0.18	<1	<10	4.65	230	<1	3	320	<2	<2	<1	35	<10	<10	10	<10	24
96 GM 47	CDr1/COr	X	black chert		106L4	<5			0.2	0.05	<2	250	<2	13.55	3	<1	78	4	0.18	<1	<10	0.61	50	1	4	170	<2	<2	<1	331	<10	<10	24	<10	64
96-KP-1A	Dc	X	well bedded rusty weathering black chert. 50 cm		116I/9	<5			0.4	0.25	<2	140	<2	0.03	<.5	<1	97	4	0.31	<1	<10	0.03	5	19	22	30	8	<2	<1	11	<10	<10	90	<10	4
96-KP-1B	Dc	X	shale. 20 cm		116I/9	<5			1.8	0.47	12	240	<2	0.05	<.5	<1	23	1	0.2	<1	<10	0.05	<5	139	79	10	22	6	1	21	10	<10	137	<10	2
96-KP-2	Dc	X	black fissile siliceous shale. 15cm		116I/9	<5			0.4	0.42	6	210	<2	0.07	<.5	<1	40	1	0.16	1	<10	0.04	<5	10	18	<10	10	<2	<1	7	<10	<10	82	<10	2

						983			2118	2119	2120	2121	2123	2124	2125	2126	2127	2128	2150	2131	2151	2134	2135	2136	2138	2139	2140	2141	2142	2143	2145	2146	2147	2148	2149
			sample			Au pp	Pt	Pd	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	La	Mg	Mn	Mo	Ni	P	Pb	Sb	Sc	Sr	Tl	U	V	W	Zn
sample number	Fm	rep	description		sample location	FA+A	ppb	ppb	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
96-KP-3A	Di		pyritic nodules		116I/9	<5			<.2	3.15	<2	160	<2	1.45	2	8	34	21	>15.00	<1	<10	3.19	1745	1	113	560	<2	<2	23	88	<10	<10	124	<10	268
96-KP-3B	Di	X	broken up shales		116I/9	<5			0.2	1.14	<2	390	<2	0.29	1.5	10	18	62	2.61	<1	<10	0.22	30	3	61	650	14	<2	6	86	<10	<10	25	<10	306
96-KP-4	Di		very rusty weath fissile shale, small scale faults		116I/9	<5			<.2	3.03	4	280	<2	0.12	<.5	20	46	94	11.2	<1	<10	1.12	1015	2	129	560	12	2	12	27	<10	<10	61	<10	414
96-KP-5	Di/Dc		fault contact, py in pods and as wisps		116I/9	20			5.6	0.11	134	<10	<2	5.01	1.5	6	45	149	>15.00	1	<10	0.07	50	4	73	3440	156	20	1	169	<10	<10	14	<10	242
96-KP-6	OSI breccia		drusy qtz breccia, slicks		116I/9	<5			<.2	0.06	<2	40	<2	2.62	0.5	<1	266	7	0.32	<1	<10	0.03	35	1	13	490	<2	<2	<1	36	<10	<10	16	<10	50
96-KP-7	Osl Breccia		chert cgl?breccia? chert Fx in loc drusy qtz		116I/9	<5			<.2	0.03	<2	30	<2	10.15	1.5	<1	106	15	0.43	<1	<10	5.75	85	3	5	580	<2	2	<1	66	<10	<10	28	<10	126
96-KP-8A	Di	X	black shale . 20cm. near contact w Dc	o/c	116I/8	<5			0.2	1.69	26	860	<2	0.12	<.5	5	30	37	2.83	<1	<10	0.49	50	2	35	460	34	<2	6	119	<10	<10	34	<10	120
96-KP-8B	Di		pyritic siltstone nodules. near contact w Dc	o/c	116I/8	<5			0.2	1.01	<2	590	<2	1.33	3.5	13	25	22	>15.00	<1	<10	2.59	2520	<1	56	1740	4	2	14	91	<10	<10	49	<10	562
96-KP-9	Dc		qtz vein w minor diss py		116I/8	<5			0.6	0.16	<2	400	<2	0.02	<.5	<1	176	4	0.36	<1	<10	0.03	15	12	11	30	6	4	<1	14	<10	<10	63	<10	10
96-KP-13	SDv		pods of sulphides up to 10 cm in black shale		116I/8	<5			2	0.19	94	<10	<2	1.09	<.5	6	42	104	>15.00	<1	<10	0.21	30	7	47	50	32	10	1	10	<10	<10	19	<10	40
96-KP-15	SDv		pyrite/calcite pod // So in black shale		116I/8	<5			2.2	0.19	16	<10	<2	4.22	<.5	5	47	135	>15.00	<1	<10	0.12	70	8	41	1860	16	8	1	130	<10	<10	10	<10	190
96-KP-16	Sd	X	wispy laminated argillite w py nodules		116I/8	<5			<.2	1.4	<2	150	<2	1.78	<.5	18	81	30	3.42	<1	10	1.2	165	<1	37	280	8	<2	4	50	<10	<10	22	<10	108
96-KP-17	Sd		Slicked calcite veins-breccia		116I/8	<5			<.2	0.22	<2	350	<2	>15.00	<.5	1	10	7	0.96	<1	10	3.35	170	<1	5	640	<2	2	<1	464	<10	<10	5	<10	8
96-KP-18	Osl		chert/shales w2.5 cm py bed. py/chert/breccia		116I/8	<5			4.8	0.13	126	<10	<2	4.69	1.5	6	44	133	>15.00	1	<10	0.08	50	4	65	3220	156	16	1	151	<10	<10	15	<10	226
96-KP-20	CDr1	X	massive grey limestone w chert interbeds		116I/1	<5			<.2	0.03	<2	280	<2	>15.00	<.5	<1	35	4	0.24	<1	<10	1.26	85	<1	4	280	2	<2	<1	686	<10	<10	8	<10	10
96-KP-22	CDr1		coloform brown carbonate on So?		116I/1	<5			<.2	0.01	<2	230	<2	>15.00	0.5	<1	4	6	0.09	1	<10	0.16	65	<1	<1	110	2	4	<1	1140	<10	10	12	<10	22
96-KP-23	CDr1		recrystallized limestone and calcite breccia	float	116I/1	<5			<.2	0.03	<2	80	<2	>15.00	<.5	<1	<1	2	0.31	1	<10	9.76	305	1	<1	90	<2	2	<1	100	<10	<10	4	<10	8
96-KP-24	CDr1		limestone-calcite breccia	s/c	116I/1	<5			<.2	0.07	<2	340	<2	>15.00	<.5	1	69	17	0.21	<1	<10	0.43	420	<1	5	780	2	2	<1	1060	<10	<10	17	<10	20
96-KP-26	CDr1		chert-calcite breccia		116I/1	<5			<.2	0.03	<2	2050	<2	>15.00	1	<1	5	2	0.15	<1	<10	1.85	105	<1	<1	130	<2	6	<1	288	<10	<10	6	<10	24
96 HR-1	CDr1	X	limestone w chert interbeds			<5			<.2	0.01	2	170	<2	11.4	0.5	<1	112	4	0.14	<1	<10	0.09	20	3	44	160	<2	<2	<1	127	<10	<10	6	<10	34
96 HR-2	CDr1	X	limestone	float		<5			<.2	0.07	14	32.20%	<2	8.3	8.5	<1	34	6	0.38	<1	<10	0.1	25	19	207	570	<2	<2	<1	4630	<10	<10	99	<10	50
96 HR-3	CDr1	X	chert/limestone, thin bedded	o/c	66 08.44, 136 07.93	<5			0.2	0.01	2	350	<2	>15.00	1.5	<1	66	10	0.14	<1	<10	0.15	30	4	11	140	6	<2	<1	285	<10	<10	13	<10	66
96 HR-4	Di	X	i/bedded orange weathering black shale and fg sandstone			<5			<.2	0.88	12	2020	<2	0.14	0.5	8	163	22	2.3	<1	<10	0.25	75	4	93	350	8	<2	3	53	<10	<10	31	<10	180
96 HR-5	Di	X	rusty siltstone	float	116 I/1, 66 08.61, 136 12.49	<5			<.2	1.31	2	920	<2	0.1	<.5	5	59	52	2.62	<1	<10	0.25	60	5	21	280	6	<2	3	22	<10	<10	37	<10	80
96 HR-6A	Cf	X			66 08.09, 136 15.09	<5			<.2	1	16	360	<2	0.06	<.5	3	23	34	1.14	<1	<10	0.12	15	6	34	150	14	<2	4	47	<10	<10	26	<10	80
96 HR-6B	Cf	X			66 08.09, 136 15.09	<5			<.2	1.82	36	70	<2	0.65	<.5	19	25	231	11.55	<1	<10	0.21	185	7	128	440	10	<2	8	36	<10	<10	64	<10	586
96 HR-7A	Cf		sulphides		116I/1	<5			<.2	0.29	8	130	<2	0.82	<.5	4	172	6	9.15	<1	<10	0.39	380	1	27	350	6	<2	4	22	<10	<10	54	<10	94
96 HR-7B	Cf		sulphides		116I/1	<5			0.2	0.13	114	<10	<2	0.01	<.5	5	72	8	>15.00	2	<10	<.01	<5	<1	15	40	8	<2	<1	2	<10	10	9	<10	18
96 HR-7C	Cf		sulphides		116I/1	<5			<.2	0.06	26	<10	<2	0.03	<.5	3	39	11	>15.00	1	<10	<.01	<5	1	5	10	10	<2	<1	1	<10	<10	6	<10	30
96 HR-8	Cf	X	maroon weath dk grey flimsy shale w pinch and swell beds of f.g. sandstone	o/c	66 06.74, 136 16.23	<5			0.4	1.92	18	430	<2	0.03	<.5	4	72	23	4.47	<1	<10	0.24	25	<1	37	260	14	<2	3	22	<10	<10	109	<10	172
96 HR-9	Cf	X	rusty sandstone, folded		66 06.23, 136 17.65	<5			<.2	0.38	4	110	<2	0.28	<.5	7	90	14	5.77	<1	<10	0.19	310	<1	23	370	8	<2	5	20	<10	<10	46	<10	104
96 HR-10	Sd	X			66 02.93, 136 06.61	<5			<.2	0.53	<2	1010	<2	6.61	0.5	4	36	14	2.94	<1	<10	3.02	935	<1	17	260	10	<2	2	316	<10	<10	11	<10	62
96 HR-11	Dc	X	fractured chert, loc banded	X	66 01.01, 136 07.24	<5			0.2	0.16	24	300	<2	<.01	<.5	<1	147	20	1.66	<1	<10	<.01	5	117	6	160	6	14	<1	4	<10	<10	689	<10	8
96 HR-12	CHr/Cf?	X			66 09.67, 136 26.10,116I/1	<5			1	0.23	<2	80	<2	>15.00	1	<1	53	12	0.41	<1	<10	0.25	45	<1	12	1040	<2	<2	<1	484	<10	<10	46	<10	64
96 HR-13A	CHr/Cf?	X			66 09.63, 136 27.24, 116I/1	<5			4	0.35	6	100	<2	>15.00	21	1	120	38	0.46	<1	10	0.18	30	16	49	1330	4	<2	2	536	<10	<10	113	<10	710
96 HR-13B	CHr/Cf?	X			66 09.63, 136 27.24, 116I/1	<5			1.6	2.7	10	280	<2	3.41	0.5	1	159	19	1.11	<1	20	0.17	25	3	43	1120	4	<2	5	310	<10	<10	94	<10	86
96 HR-14A	CHr/Cf?	X	friable grey shale w rusty beds and nodules.		116I/2	<5			1.2	2.02	20	90	<2	5.51	<.5	4	87	16	2.1	<1	20	0.13	20	6	50	2.49%	18	<2	17	380	<10	<10	119	<10	124
96 HR-14B	CHr/Cf?		large nodules overlain by small nod and clayey pods in busted up shales. HS smell		116I/2	<5			6.6	1.88	50	90	<2	6.12	5	3	253	62	2.75	<1	30	0.16	20	43	137	5.90%	6	<2	7	306	<10	30	157	<10	362
96 HR-14C	CHr/Cf?		clay altered and red-ochre altered limestone?		116I/2	<5			5.2	0.78	32	70	<2	11.95	17	1	112	42	0.48	<1	20	0.41	25	20	79	2560	2	<2	4	515	<10	<10	369	<10	284
96 HR-15	CHr	X	clean limestone		66 09.29, 136 42.77	<5			<.2	0.1	<2	30	<2	14.3	<.5	<1	35	1	0.22	<1	<10	0.61	15	<1	8	700	<2	<2	<1	728	<10	<10	8	<10	28
96 HR-16	Dus?	X			66 27.24, 136 43.20	<5			<.2	0.51	6	380	<2	0.99	<.5	6	69	26	13.15	1	<10	1.11	1390	<1	21	440	8	<2	4	30	<10	<10	25	<10	82
96 HR-17	Dus?	X			66 28.14, 136 42.36	<5			<.2	0.93	8	400	<2	0.1	0.5	5	40	27	1.49	<1	<10	0.21	35	1	64	160	8	<2	3	27	<10	<10	31	<10	128
96 HR-18	Ct		red soil sample below Ct		66 29.79, 136 36.83	<5			<.2	1.13	18	1080	<2	<.01	<.5	<1	21	26	3.36	<1	<10	0.06	5	4	3	140	16	<2	3	27	<10	<10	42	<10	18
96 HR-19	Dus	X			66 30.39, 136 44.93	<5			<.2	0.66	8	660	<2	0.01	<.5	<1	62	21	0.98	<1	<10	0.09	15	3	8	110	10	<2	1	15	<10	<10	33	<10	38
96 HR-20	Dus	X			66 29.38, 136 52.88	<5			<.2	1.68	12	220	<2	0.48	0.5	19	38	55	2.64	<1	<10	0.76	130	1	77	410	18	<2	5	24	<10	<10	44	<10	258
96 HR-21	Dus		orange gossany chips		66 30.43, 136 53.88	<5			<.2	0.2	4	520	<2	0.46	<.5	4	159	12	2.11	<1	<10	0.23	145	1	25	80	4	<2	1	52	<10	<10	12	<10	80
96 HR-22	Ct	X	f.g. sandstone		66 30.44	<5			<.2	0.25	6	700	<2	0.01	<.5	<1	169	9	0.94	<1	<10	0.01	5	<1	6	180	2	<2	1	27	<10	<10	14	<10	44
96 HR-23A	Dus?	X			66 30.19, 136 51.92	<5			<.2	0.46	6	1280	<2	0.01	<.5	<1	80	5	0.52	<1	<10	0.03	5	4	5	40	6	<2	<1	20	<10	<10	15	<10	16
96 HR-23B	Dus?	X	rusty		66 30.19, 136 51.92	<5			<.2	0.5	8	840	<2	<.01	<.5	2	101	10	1.02	<1	<10	0.03	5	3	8	90	6	<2	1	17	<10	<10	21	<10	30
96 HR-24	Ct	X	orange weathering		66 33.56, 136 55.02	<5			<.2	0.58	2	950	<2	<.01	<.5	<1	84	9	0.53	<1	<10	0.05	5	<1	7	60	6	<2	1	25	<10	<10	18	<10	24
96 HR-25	Ct	X	orange weathering		66 34.69, 136 53.71	<5			<.2	0.29	4	460	<2	<.01	<.5	<1	186	6	0.99	<1	<10	0.01	10	<1	3	230	6	<2	<1	39	<10	<10	17	<10	10
96 HR-26	Ct	X			66 32.80, 136 52.16	<5			<.2	0.55	2	980	<2	0.02	0.5	1	144	16	0.63	<1	<10	0.09	15	<1	11	200	6	<2	1	18	<10	<10	21	<10	50
96 HR-27	Ct?	X				<5			<.2	0.21	8	790	<2	<.01	<.5	<1	159	10	1.43	<1	<10	0.01	5	<1	3	170	6	<2	<1	27	<10	<10	17	<10	16
96 HR-28	Ct	X			66 33.51, 136 46.16	<5			<.2	0.61	<2	320	<2	<.01	<.5	<1	105	10	0.41	<1	<10	0.05	5	<1	8	100	6	<2	1	29	<10	<10	17	<10	18
96 HR-29	Dus	X	yellow weath, greasy grey friable shale w thin orangy resistant bands. slump, sulphur smell		66 33.51, 136 44.12	<5			<.2	1.73	16	100	<2	0.49	0.5	13	29	71	2.31	<1	<10	0.57	85	12	105	280	14	<2	5	64	<10	<10	59	<10	234
96 HR-30	Ct?		rusty slump?		66 34.55, 136 40.05	<5			<.2	0.29	6	1260	<2	0.04	<.5	1	127	6	1.46	<1	<10	0.03	25	1	10	200	6	<2	<1	36	<10	<10	16	<10	40
96 HR-31A	Dus	X			66 33.32, 136 40.05	<5			<.2	1.37	16	120	<2	0.09	<.5	7	37	37	2.56	<1	<10	0.25	50	10	43	120	14	<2	4	53	<10	<10	48	<10	84
96 HR-31B	Dus		slime in creek bed, coating boulders		66 33.32, 136 40.05	<5			<.2	0.8	16	160	<2	0.03	<.5	2	16	20	6.62	<1	<10	0.12	15	5	11	220	18	<2	3	37	<10	<10	29	<10	46
96 HR-32	Cf?	X	slump rx		66 35.42, 136 36.27	<5			<.2	0.19	8	940	<2	<.01	<.5	<1	150	9	1	<1	<10	0.01	15	1	8	150	4	<2	<1	18	<10	<10	14	<10	30
96 HR-33A	Di?	X	folded thick bedded sandstone/shale			<5			<.2	1.19	2	400	<2	0.72	<.5	10	98	29	1.72	<1	<10	0.71	90	1	44	400	8	<2	4	26	<10	<10	31	<10	146
96 HR-33B	Di?	X	folded thick bedded sandstone/shale			<5			<.2	0.7	8	150	<2	0.18	<.5	4	209	10	2.64	<1	<10	0.22	35	1	22	380	6	<2	1	11	<10	<10	24	<10	52
96 HR-36	Di?	X	white weathering limestone?		66 36.53, 136 28.29	<5			<.2	1.18	2	130	<2	0.74	<.5	8	111	19	2.18	<1	<10	0.65	95	<1	37	370	8	<2	3	20	<10	<10	48	<10	130
96 HR-37	Di	X				<5			<.2	1.03	4	430	<2	0.4	0.5	8	152	31	2.06	<1	<10	0.43	100	1	42	540	8	<2	2	20	<10	<10	51	<10	166
96 HR-38	Di	X	some rusty		66 41.84, 136 33.11	<5			<.2	0.19	6	70	<2	0.03	<.5	5	159	6	1.74	<1	<10	0.04	70	<1	15	150	4	<2	<1	10	<10	<10	14	<10	58
96 HR-39	Dus	X	yellow weathering shale, folded, some thicker siltstn beds		66 41.00, 136 35.42	<5			<.2	0.2	6	160	<2	0.08	<.5	1	234	16	0.83	<1	<10	0.02	15	<1	6	320	6	<2	<1	16	<10	<10	22	<10	18
96 HR-40A	Ct	X	very coarse grained rusty cgl		66 43.09, 136 42.16	<5			<.2	0.2	6	470	<2	<.01	<.5	<1	233	14	0.8	<1	<10	0.01	10	1	4	110	4	<2	<1	26	<10	<10	27	<10	6
96 HR-40B	Ct	X	non rusty Ct		66 42.87, 136 41.99	<5			<.2	0.12	<2	180	<2	<.01	<.5	<1	201	1	0.25	<1	<10	<.01	10	<1	3	70	2	<2	<1	12	<10	<10	10	<10	<2
96 HR-41	Di	X			66 36.96, 136 24.97	<5			<.2	1.16	6	460	<2	0.07	0.5	6	62	43	2.2	<1	<10	0.27	40	1	27	480	10	<2	5	19	<10	<10	32	<10	138
96 HR-42	Ct	X			66 28.85, 136 28.66	<5			<.2	0.16	<2	210	<2	<.01	<.5	<1	177	2	0.85	<1	<10	<.01	15	<1	3	80	4	<2	<1	13	<10	<10	11	<10	2
96 HR-43	Ct	X			66 23.10, 136 35.18	<5			<.2	0.18	<2	100	<2	<.01	<.5	<1	162	2	0.31	<1	<10	0.01	15	<1	3	60	2	<2	<1	7	<10	<10	17	<10	4
96 HR-44	Cf	X	black shale i/bedded w sandstone		66 22.96, 136 35.11	<5			0.4	1.58	20	410	<2	0.06	<.5	7	52	37	3.73	<1	<10	0.16	45	<1	28	660	18	<2	4	33	<10	<10	80	<10	142
96 HR-45	Dus		rusty weathering black shale		66 21.32, 136 36.84	<5			<.2	1.87	14	560	<2	0.07	<.5	4	37	26	3.93	<1	<10	0.2	20	<1	38	1210	20	<2	6	37	<10	<10	82	<10	100
96 HR-46A	Dc-Sd?		Fe gossan in stream. rusty rx chips		66 11.98, 136 12.27	<5			0.2	0.29	6	180	<2	0.03	<.5	<1	48	14	4.19	<1	<10	0.01	35	11	11	100	4	<2	<1	3	<10	<10	107	<10	58
96 HR-46B	Dc?	X	black chert			<5			<.2	0.15	12	220	<2	<.01	<.5	1	152	17	0.99	<1	<10	0.01	15	17	21	50	2	<2	<1	4	<10	<10	67	<10	6
96 HR-47	ClIltyd	X	limestone			<5			0.2	0.01	4	90	<2	>15.00	29	1	5	1	1.19	1	<10	0.17	465	<1	7	<10	64	<2	<1	238	<10	<10	<1	<10	7700
96 HR-48	CSc	X	brownish sandstone			<5			<.2	1.32	2	100	<2	0.77	0.5	5	122	13	2.18	<1	30	0.69	145	<1	11	230	10	<2	1	6	<10	<10	9	<10	134
96 HR-49	ClIltyd	X	limestone			<5			<.2	0.03	<2	320	<2	>15.00	<.5	<1	2	1	0.31	<1	<10	0.18	405	<1	<1	<10	38	<2	<1	342	<10	<10	<1	<10	62
96 HR-50	CSc	X	brownish sandstone at contact with road river			<5			<.2	1.05	2	130	<2	0.07	0.5	7	120	14	2.55	<1	30	0.35	160	<1	13	180	24	<2	1	7	<10	<10	9	<10	182
96 HR-51A	Di	X	thick bedded siltstone/sandstone/shale		6628.42, 136 22.78	<5			<.2	0.99	4	340	<2	0.49	0.5	9	126	27	5.34	<1	<10	0.51	310	1	38	640	10	<2	4	29	<10	<10	31	<10	172
96 HR-51B	Di	X				<5			<.2	1.86	6	440	<2	0.61	0.5	24	47	72	5.71	<1	<10	0.69	560	1	59	690	16	<2	7	39	<10	<10	48	<10	216
96 HR-52A	Cf	X				<5			<.2	1.17	<2	1340	<2	0.62	0.5	7	89	19	2.1	<1	<10	0.53	115	<1	34	420	8	<2	4	41	<10	<10	34	<10	126
96 HR-52B	Cf	X				<5			<.2	1.7	8	400	<2	0.13	<.5	12	63	45	2.76	<1	<10	0.48	105	2	51	360	16	<2	5	22	<10	<10	44	<10	198
96 HR-53	Ct/Cf	X	rusty Di at contact		66 26.63, 136 29.18	<5			<.2	0.67	<2	100	<2	0.05	<.5	1	163	4	0.95	<1	<10	0.01	15	<1	18	280	2	<2	1	18	<10	<10	17	<10	68
96 HR-54A	Cf	X	black shale w rusty nodules		66 26.57, 136.29.89	<5			0.2	2.65	14	480	<2	0.04	<.5	6	50	33	4.18	<1	<10	0.39	30	<1	39	140	20	<2	5	26	<10	<10	89	<10	126
96 HR-54B	Cf	X				<5			<.2	0.65	20	100	<2	0.03	<.5	1	140	6	1.63	<1	<10	0.11	10	<1	10	60	2	<2	1	7	<10	<10	34	<10	44
96 HR-55	Cf	X			66 25.87, 136 31.21	<5			<.2	1.28	32	130	<2	1.34	<.5	7	54	18	9.86	<1	<10	0.65	160	1	27	3520	18	<2	4	90	<10	<10	87	<10	124
96 HR-56	Cf	X	unconsolidated material		66 20.56, 136 22.14	<5			<.2	0.7	48	330	<2	<.01	<.5	1	14	23	5.8	<1	<10	0.05	<5	31	6	380	20	<2	3	23	<10	<10	41	<10	38
96 HR-57	Cf	X			66 18.04, 136 18.88	<5			<.2	0.9	16	220	<2	0.22	<.5	1	21	60	5.98	<1	<10	0.27	130	6	12	220	12	<2	6	37	<10	<10	43	<10	26
96 HR-58	Ct	X			66 19.46, 136 25.04	<5			<.2	0.31	12	640	<2	0.01	<.5	<1	184	6	1.44	<1	<10	0.01	20	<1	3	1460	6	<2	<1	96	<10	<10	44	<10	6
96 HR-59	Ct in Cf	X	rusty cgl		66 19.39, 136 26.99	<5			<.2	0.27	<2	480	<2	<.01	<.5	<1	198	7	0.74	<1	<10	0.02	5	<1	4	90	4	<2	<1	20	<10	<10	13	<10	10
96 HR-60	Ct in Cf	X	rusty cgl			<5			<.2	0.44	12	610	<2	<.01	<.5	<1	139	10	0.71	<1	<10	0.03	5	2	4	70	8	<2	<1	17	<10	<10	18	<10	8
96 HR-61	Dus	X	shale, yellow coating		66 20.62, 136 39.62	<5			<.2	0.98	18	310	<2	0.23	<.5	<1	29	10	1.55	<1	<10	0.08	<5	11	26	150	14	<2	2	42	<10	<10	67	<10	38
96 HR-62	Dus	X	shale, no sulph smell		66 22.61, 136 37.74	<5			0.2	2.31	18	280	<2	0.07	<.5	8	41	35	3.28	<1	<10	0.42	30	<1	39	130	18	<2	5	39	<10	<10	94	<10	178

					983			2118	2119	2120	2121	2123	2124	2125	2126	2127	2128	2150
			sample		Au pp	Pt	Pd	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe
sample number	Fm	rep	description	sample location	FA+A	ppb	ppb	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
96 HR-63	Kcc	X	sandstone	Chance #8	<5			0.2	1.07	2	630	<2	1.4	1	8	88	33	2.06
96 HR-64	Kcc	X	sandstone	airport	<5			0.2	0.95	24	1280	<2	0.29	0.5	6	134	22	1.78
96 HR-65	CHr?	X	limestone	66 15.63, 137 00.97	<5			<.2	0.12	<2	70	<2	>15.00	<.5	<1	24	<1	0.11

	2131	2151	2134	2135	2136	2138	2139	2140	2141	2142	2143	2145	2146	2147	2148	2149
	Hg	La	Mg	Mn	Mo	Ni	P	Pb	Sb	Sc	Sr	Tl	U	V	W	Zn
sample number	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
96 HR-63	<1	<10	0.54	495	4	34	1020	8	<2	4	68	<10	<10	42	<10	134
96 HR-64	<1	<10	0.34	140	5	33	1280	8	<2	3	39	<10	<10	46	<10	84
96 HR-65	<1	<10	0.68	15	<1	3	270	<2	<2	<1	1100	<10	<10	7	<10	20

96 results- all samples

sample number	Fm	rep	sample description		sample location	Au ppb FA+AA	Pt ppb	Pd ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
detection limit						5			0.2	0.01	2	10	2	15	0.5	1	1	1	15	0.5	10			1	1	8	2	2	1		10	10	1	10	
95DH-095	Illtyd	X	beige weath, lt grey mass to blocky w rusty fract, 1% ox py(+dk blue xtal) float		RAS-TUS claims 106L/4	4			0.1		1	80	1	16.00	0.4	0.5	1	0.5	0.29			0.16	620	0.5	0.5	90	14	1	0.5	192		8	0.5	8	18
95DH-096	Illtyd		limestone w rusty brown seams and pods (Fe-carb?) float		RAS-TUS claims 106L/4	4			0.1		6	40	2	16.00	0.4	0.5	2	1	0.28			0.27	550	0.5	0.5	20	4	1	0.5	172		8	0.5	8	34
95DH-097	Illtyd		limonitic breccia/vein, porous w colloform textures float		RAS-TUS claims 106L/4	4			10		**2460**	350	2	0.23	6	16	6	56	16.00			0.04	2980	3	56	**270**	56	14	2	7		10	4	8	594
95DH-098	Illtyd		Vcoarse cc-qtz-lim-limestone Fx (-ba?) float		RAS-TUS claims 106L/4	4			1.8		194	**2740**	2	16.00	0.5	8	21	4	1.43			0.03	1195	0.5	17	10	270	1	0.5	166		8	1	8	174
95DH-099	Illtyd		V coarse cc- barite(-qtz) float		RAS-TUS claims 106L/4	4			0.2		6	**2140**	1	0.28	0.4	0.5	34	4	0.5			0	25	0.5	1	20	40	1	0.5	129		8	0.5	8	28
95DH-100	Illtyd		limonitic breccia float		RAS-TUS claims 106L/4	4			5		52	**1860**	2	0.35	17	**69**	26	21	16.00			0.01	5790	12	**218**	**310**	326	12	0.5	20		8	2	**60**	**8890**
95DH-101	Illtyd		very hard orange weath vuggy siliceous breccia/vein, fg sugary qtz/carb float		RAS-TUS claims 106L/4	4			2.8		6	600	1	2.51	0.5	4	69	10	0.96			0.01	1920	0.5	10	150	82	1	0.5	9		8	6	8	350
95DH-102	Illtyd		limestone w porous py cube-rich rich horizon, w qtz float		RAS-TUS claims 106L/4	4			0.6		10	580	1	16.00	0.4	2	1	1	0.88			0.12	580	0.5	6	10	36	1	0.5	234		8	1	8	312
95DH-104	Illtyd		trail of float of coarse cc (qtz?) vein material		RAS-TUS claims 106L/4	4			0.1		1	150	2	16.00	0.4	0.5	0.5	0.5	0.16			0.23	90	0.5	0.5	8	1	1	0.5	476		8	0.5	8	18
95DH-105	Illtyd		V coarse cc in fault between Illtyd +COr. dense- barite? chip 1m		RAS-TUS claims 106L/4	4			0.1		1	270	1	16.00	0.4	0.5	0.5	0.5	0.27			0.15	245	0.5	0.5	8	1	1	0.5	519		8	1	8	22
95DH-106	Illtyd		rusty brecciated limestone w lim vugs w 1-2% ga float		RAS-TUS claims 106L/4	4			7.6		20	60	1	0.47	12	1	**123**	301	5.1			0.01	135	2	7	120	**7170**	8	0.5	6		8	2	10	**5990**
95DH-107	Illtyd		fg grey pinkish limestone w qtz-lined vugs and tr ga+sph. soln breccia? s/c		RAS-TUS claims 106L/4	4			0.6		4	30	1	5.72	0.4	0.5	89	6	0.5			0.02	110	0.5	1	30	44	2	0.5	33		8	4	8	174
95DH-108	Illtyd		fg sil limstn, soln brecc? vugs lined w drusy qtz+ox py+sph(<1%), loc boxwork		RAS-TUS claims 106L/4	4			0.2		8	30	1	9.63	0.4	0.5	54	8	0.67			0.03	205	0.5	1	30	52	1	0.5	55		8	2	8	192
95DH-109	Illtyd		limonitic brecciated limestone w tr galena, sphalerite		RAS-TUS claims 106L/4	4			**118**		102	40	126	0.13	0.4	0.5	10	**2310**	16.00			0.01	7240	3	1	60	**102300**	**134**	0.5	14		10	2	8	390
95DH-110	Illtyd	X	limestone w horizon 3-4cm rusty spots, ox py?float		RAS-TUS claims 106L/4	4			4.2		12	40	2	16.00	**31**	0.5	1	18	1.63			0.09	775	1	2	10	**446**	4	0.5	161		8	0.5	20	**7390**
95DH-111	Illtyd		limonitic breccia, boxwork texture. cp tr. float		RAS-TUS claims 106L/4	4			2.8		200	150	**260**	0.44	0.4	3	2	**5370**	16.00			0.02	6160	2	2	90	76	4	0.5	13		8	4	8	136
95DH-112	Illtyd		blocky fractured limestone w earthy hem alt on fract		RAS-TUS claims 106L/4	4			0.1		10	200	2	16.00	0.4	1	2	19	0.65			0.34	1005	0.5	3	50	22	1	0.5	344		8	5	8	34
95DH-113A	Illtyd		dense limonitic breccia float, boulder train trends 015 deg		RAS-TUS claims 106L/4	4			3.2		**292**	150	**226**	0.23	0.5	9	0.5	**1370**	16.00			0.03	**>1000**	0.5	11	90	138	1	1	56		8	4	8	302
96 DH 116	CIlltyd		rusty weathering thin bedded knobby pitted limestone, cut by thin cc veins	s/c	CW 106L/4 Illtyd camp	4			0.6	0.08	2	80	1	16.00	0.4	1	2	1	0.68	0.5	8	0.5	1345	0.5	3	40	70	1	0.5	220	8	8	2	8	218
96 DH 117	CIlltyd		cc vein w limestone Fx, **fluorite** and black and red agglomerates of py xtals		CW 106L/4 Illtyd camp	4			2.6	0.12	20	230	1	16.00	1.5	1	1	7	1.9	0.5	8	0.09	1070	0.5	12	8	**2180**	2	0.5	341	8	8	1	8	774
96 DH 119	CIlltyd		white frothy vuggy limestone w 2% tarn. py in agglomer. and lining vugs. thin xtalline cc veins	float	CW 106L/4 Illtyd camp	4			0.6	0.11	6	160	1	11.25	2.5	10	54	4	1.75	0.5	8	0.04	670	1	19	80	54	1	0.5	105	8	8	7	8	504
96 DH 120	CIlltyd		very coarse pink and white cc vein w vuggy pyritized wall rx. rough chip	o/c	CW 106L/4 Illtyd camp	4			0.1	0	14	110	6	16.00	2	0.5	0.5	4	0.29	0.5	8	0.09	805	0.5	1	40	36	2	0.5	706	8	20	0.5	8	70
96 DH 121	CIlltyd	X	red weathering knobular limestone, cut by thin Vcc	s/c	CW 106L/4 Illtyd camp	4			0.1	0.06	10	50	4	16.00	2	0.5	5	2	0.36	0.5	8	0.21	840	0.5	3	70	24	2	0.5	330	8	20	1	8	62
96 DH 122	CIlltyd		lt grey massive limestone w 2-5% oxidixed py cubes diss and in aggregates	float	CW 106L/4 Illtyd camp	4			0.2	0	28	120	4	16.00	4.5	0.5	4	3	1.53	0.5	8	0.07	550	0.5	9	30	134	2	0.5	214	10	10	0.5	8	754
96 DH 123A	CIlltyd		bleached+breccited limeston w beige and white cc vein, w diss black mineral and 1 bleb ga	float	CW 106L/4 Illtyd camp	4			0.1	0	14	60	4	16.00	2.5	0.5	3	2	0.3	0.5	8	0.06	735	0.5	1	40	116	1	0.5	293	10	10	0.5	8	178
96 DH 123B	CIlltyd		rusty weatherin limonitic breccia and silicified and sheared? limestone. vuggy	float.	CW 106L/4 Illtyd camp	4			2	0.27	30	1330	1	2.24	1	10	**132**	9	3.21	0.5	8	0.01	105	3	50	70	**1705**	4	0.5	24	8	8	9	8	**1575**
96 DH 124	CIlltyd		qtz breccia w rounded to ang limestone Fx lined by clear drusy qtz, vugs filled by large cc, lim	float	CW 106L/4 Illtyd camp	4			1.4	0.03	12	1070	2	10.8	12	0.5	63	5	0.54	0.5	8	0.01	300	1	5	40	**972**	2	0.5	101	8	8	2	8	**5610**
96 DH 125	CIlltyd		limonitic vuggy breccia, altered limestone, coarse dark carb, xtalline limonite lining vugs	float	CW 106L/4 Illtyd camp	4			0.4	0.39	12	**2800**	1	5.32	13.5	**57**	117	10	4.45	1	8	0.01	2620	3	**184**	40	74	6	0.5	80	8	8	5	8	**2040**
96 DH 126A	CIlltyd		rusty weath porous rx w milky white+clear drusy qtz, mass cp, xtalline malachite, limonite	float	CW 106L/4 Illtyd camp	4			**12.8**	0	**272**	70	Intf*	0.98	2	5	47	**243000**	10.35	0.5	8	0.06	895	**18**	13	Intf*	62	**14**	1	19	10	20	0.5	8	520
96 DH 126B	CIlltyd		rusty weath porous rx w milky white+clear drusy qtz, cp, limonite	float	CW 106L/4 Illtyd camp	4			0.4	0	52	70	Intf*	4.02	0.4	3	**331**	**10400**	3.56	0.5	8	0.02	2100	1	8	Intf*	6	1	1	24	8	8	2	8	58
96 DH 127-d	Illtyd/ Slatts Creek		Qtz-cc vein at contact	in pl	NW 106L/4 Illtyd camp													0.5																	
96 GM 27	CIlltyd	X	nodular limestone (knobular?). 40 cm.		106L/4	4			0.2	0.1	1	60	1	16.00	0.5	1	3	1	0.39	0.5	8	0.58	840	0.5	1	50	14	1	0.5	336	8	8	1	8	280
96 GM 28	CIlltyd	X	yello-brown weath, light grey vuggy limstn w py and lim agglomerates		106L/4	4			0.2	0	1	1320	1	16.00	0.4	0.5	3	0.5	0.39	0.5	8	0.16	480	0.5	0.5	10	144	1	0.5	278	8	8	1	8	58
96 GM 29	CIlltyd		calcite breccia in limestone, veinlets mm-cm scale	float	106L/4	4			0.1	0.01	1	70	1	16.00	2.5	0.5	1	0.5	0.13	0.5	8	0.15	785	0.5	0.5	8	16	1	0.5	328	8	8	3	8	**1005**
96 GM 30	CIlltyd		black, rusty weathering limonitic limestone?		106L/4	4			0.2	0.1	66	140	1	0.48	0.4	8	7	**128**	16.00	1	8	0.03	**23200**	0.5	6	40	14	1	1	18	8	20	3	8	62
96 HR-47	CIlltyd	X	limestone		106L/4	4			0.2	0.01	4	90	1	16.00	**29**	1	5	1	1.19	1	8	0.17	465	0.5	7	8	64	1	0.5	238	8	8	0.5	8	**7700**
96 HR-49	CIlltyd	X	limestone		106L/4	4			0.1	0.03	1	320	1	16.00	0.4	0.5	2	1	0.31	0.5	8	0.18	405	0.5	0.5	8	38	1	0.5	342	8	8	0.5	8	62
					average				6.86	0.109	135.3	490.6	43.07	3.24	7.15	11.05	38.16	8486.4	1.4883	1		0.1146	1938	4.167	22.69	68.2	3435.3	14.13	1.2	183	10	15	3	30	1294
					median				1	0.09	14	145	2	0.98	2.5	4	5.5	7	0.66	1		0.06	775	2.5	6	40	63	4	1	164	10	15	2	20	249
					min				0.2	0.01	2	30	2	0.13	0.5	1	1	1	0.13	1		0.01	25	1	1	10	4	2	1	6	10	10	1	10	18
					max				118	0.39	2460	2800	260	11.25	31	69	331	243000	10.35	1		0.58	23200	18	218	310	102300	134	2	706	10	20	9	60	8890
					standard dev				22.8	0.113	454.4	768.3	87.36	3.936	9.262	18.89	66.35	43574	2.1123	0		0.1361	4084	5.289	51.29	71.5	17516	33.45	0.447	170	0	5.345	2.121	26.5	2452
					95th percentile				12.1	0.324	284	2290	236.2	10.89	29.1	58.2	127.1	7885	4.8075	1		0.388	6484	14.7	132.8	228	3926.5	50	1.8	487	10	20	6.8	56	7468
					90th percentile				8.8	0.255	214.4	1595	186	10.1	18.2	24.2	114.2	2310	3.649	1		0.254	4666	11.1	51.2	129	1485.1	14	1.6	343	10	20	5.6	52	5800

detection limit						5			0.2	0.01	2	10	2	15	0.5	1	1	1	15	0.5	10			1	1	8	2	2	1		10	10	1	10	
			sample			Au ppb	Pt	Pd	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	La	Mg	Mn	Mo	Ni	P	Pb	Sb	Sc	Sr	Tl	U	V	W	Zn
sample number	**Fm**	**rep**	**description**		**sample location**	**FA+AA**	**ppb**	**ppb**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**
95DH-095	Illtyd	X	beige weath, lt grey mass to blocky w rusty fract, 1% ox py(+dk blue xtal) float		RAS-TUS claims 106L/4	4			0.1		1	80	1	16.00	0.4	0.5	1	0.5	0.29			0.16	620	0.5	0.5	90	14	1	0.5	192		8	0.5	8	18
96 DH 121	CIlltyd	X	red weathering knobular limestone, cut by thin Vcc	s/c	CW 106L/4 Illtyd camp	4			0.1	0.06	10	50	4	16.00	2	0.5	5	2	0.36	0.5	8	0.21	840	0.5	3	70	24	2	0.5	330	8	20	1	8	62
96 GM 27	CIlltyd	X	nodular limestone (knobular?). 40 cm.		106L/4	4			0.2	0.1	1	60	1	16.00	0.5	1	3	1	0.39	0.5	8	0.58	840	0.5	1	50	14	1	0.5	336	8	8	1	8	280
96 GM 28	CIlltyd	X	yello-brown weath, light grey vuggy limstn w py and lim agglomerates		106L/4	4			0.2	0	1	1320	1	16.00	0.4	0.5	3	0.5	0.39	0.5	8	0.16	480	0.5	0.5	10	**144**	1	0.5	278	8	8	1	8	58
96 HR-49	CIlltyd	X	limestone		106L/4	4			0.1	0.03	1	320	1	16.00	0.4	0.5	2	1	0.31	0.5	8	0.18	405	0.5	0.5	8	38	1	0.5	342	8	8	0.5	8	62
					average				0.2	0.06	10	366	4		1.25	1	2.8	1.333	0.348			0.258	637		2	55	46.8	2		295.6		20	1		96
					median				0.2	0.06	10	80	4		1.25	1	3	1	0.36			0.18	620		2	60	24	2		330		20	1		62
					min				0.2	0.03	10	50	4		0.5	1	1	1	0.29			0.16	405		1	10	14	2		192		20	1		18
					max				0.2	0.1	10	1320	4		2	1	5	2	0.39			0.58	840		3	90	144	2		342		20	1		280
					standard dev				0	0.04		544.9			1.061		1.48	0.577	0.046			0.181	200.7		1.414	34.16	55.22			63.27			0		104.52
					95th percentile				0.2	0.1	10	1120	4		1.925	1	4.6	1.9	0.39			0.506	840		2.9	87	122.8	2		340.8		20	1		236.4
95DH-110	Illtyd	X	limestone w horizon 3-4cm rusty spots, ox py?float		RAS-TUS claims 106L/4	4			4.2		12	40	2	16.00	**31**	0.5	1	18	1.63			0.09	775	1	2	10	446	4	0.5	161		8	0.5	20	**7390**
96 HR-47	CIlltyd	X	limestone		106L/4	4			0.2	0.01	4	90	1	16.00	**29**	1	5	1	1.19	1	8	0.17	465	0.5	7	8	64	1	0.5	238	8	8	0.5	8	**7700**

sample number	Fm	rep	sample description		sample location	Au ppb FA+AA	Pt ppb	Pd ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
detection limit						5			0.2	0.01	2	10	2	15	0.5	1	1	1	15	1	10			1	1	8	2	2	1		10	10	1	10	
95DH-113B	CSlattsCk	X	rep of brown weathering grey siltstone		RAS-TUS claims 106L/4	4			0.1		2	530	2	0.98	0.4	6	78	33	2.21			0.67	270	0.5	13	220	16	1	1	17		8	10	8	76
95DH-116	CSlattsCk	X	reddish brown weathering grey siltstone		W of Touché 116I/16	4			0.1		2	80	1	0.03	0.4	1	80	3	0.56			0.02	15	1	3	60	26	1	1	3		8	3	8	12
96 DH 128A-d	CSlattsCk	X	dark brown weathering f.g. sandstone, some black shale chips	float	NW 106L/4 Illtyd camp	4			0.2	1.2	4	880	1	2.4	0.4	4	93	6	1.62	0.5	30	0.44	190	1	9	170	4	1	2	44	8	8	10	8	20
96 DH 128B-d	CSlattsCk	X	tabular brown weathering sandstone	float	NW 106L/4 Illtyd camp	4			0.2	0.81	2	60	1	7.16	0.5	‹ 5	116	8	1.64	0.5	20	0.34	550	1	10	270	6	2	1	97	8	8	7	8	16
96 HR-48	CSlattsCk	X	brownish sandstone			4			0.1	1.32	2	100	1	0.77	0.5	5	122	13	2.18	0.5	30	0.69	145	0.5	11	230	10	1	1	6	8	8	9	8	134
96 HR-50	CSlattsCk	X	brownish sandstone at contact with Road River			4			0.1	1.05	2	130	1	0.07	0.5	7	120	14	2.55	0.5	30	0.35	160	0.5	13	180	24	1	1	7	8	8	9	8	182
					average				0.20	1.10	2.33	296.67	1.20	1.90	0.50	4.67	101.50	12.83	1.79		27.50	0.42	221.67	0.80	9.83	188.33	14.33	1.25	1.17	29.00			8.00		73.33
					median				0.20	1.13	2.00	115.00	1.00	0.88	0.50	5.00	104.50	10.50	1.91		30.00	0.40	175.00	1.00	10.50	200.00	13.00	1.00	1.00	12.00			9.00		48.00
					min				0.20	0.81	2.00	60.00	1.00	0.03	0.50	1.00	78.00	3.00	0.56		20.00	0.02	15.00	0.50	3.00	60.00	4.00	1.00	1.00	3.00			3.00		12.00
					max				0.20	1.32	4.00	880.00	2.00	7.16	0.50	7.00	122.00	33.00	2.55		30.00	0.69	550.00	1.00	13.00	270.00	26.00	2.00	2.00	97.00			10.00		182.00
					standard dev				0.00	0.22	0.82	335.90	0.45	2.72	0.00	2.07	20.30	10.72	0.70		5.00	0.25	180.85	0.27	3.71	72.50	9.24	0.50	0.41	36.56			2.68		71.26
					95th percentile				0.2	1.302	3.5	792.5	1.8	5.97	0.5	6.75	121.5	28.25	2.465		30	0.685	480	1	13	260	25.5	1.85	1.75	83.75			10		170

CDr1 Road River-COR/OSI
- all samples

detection limit						5			0.2	0.01	2	10	2	15	0.5	1	1	1	15	0.5	10			1	1	8	2	2	1		10	10	1	10	
			sample			Au ppb	Pt	Pd	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	La	Mg	Mn	Mo	Ni	P	Pb	Sb	Sc	Sr	Tl	U	V	W	Zn
sample number	Fm	rep	description		sample location	FA+AA	ppb	ppb	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
95-DH-167	OSI		rusty weath black chert bed w large pods of mass fg py at base. py>5%.20cm		SE of km 440.9 116I/16	<5			0.1		1	20	1	0.98	0.4	11	138	21	5.76			0.6	315	0.5	47	180	4	1	0.5	9		8	7	5	18
95-DH-169	OSI		orange weathering, clay altered finely banded limestone		SE of km 440.9 116I/16	<5			0.2		2	170	1	0.15	0.4	4	57	17	2.16			0.18	40	0.5	16	100	4	1	1	21		8	6	5	54
95DH-051	OSI	X	rep of beige grey dolom (60%) and black chert (40%) cut by disc thin Vcarb		from pit at km 412 116I/9	<5			0.1		1	110	2	9.95	1	0.5	122	24	0.16			5.96	130	3	4	1230	1	1	0.5	38		8	53	5	66
95DH-053	OSI vein		c.g.qtz + sparry calcite w 1% interst. pods of tarnished cp w malach halo		Cu showing ridge 116I/9	80			1.4		6	60	1	16	1	0.5	58	**6810**	0.87			1.23	380	0.5	1	120	4	2	0.5	424		8	31	5	84
95DH-054	OSI vein		qtz w grey striped sparry cc+seams of yel-brown cc+ 1% pods of lim-cp-mal		Cu showing ridge 116I/9	<5			0.4		2	40	2	16	0.4	0.5	17	**1670**	0.63			3.8	1205	0.5	0.5	10	1	1	0.5	624		8	53	5	34
95DH-055	OSI?		carbonate breccia almost looks dykish		Cu showing ridge 116I/9	<5			0.1		2	50	2	16	0.4	0.5	14	13	0.26			3.69	145	0.5	1	180	1	1	0.5	490		8	4	5	36
95DH-056	COr?		10m wide v. coarse orange and white cc vein trends 120. dense, baritic?		Cu showing ridge 116I/9	<5			0.1		1	90	1	16	0.4	0.5	1	55	0.13			0.33	140	0.5	0.5	60	1	1	0.5	1340		8	3	5	18
95DH-057	COr	X	rep sample of grey limestone. float		Cu showing ridge 116I/9	<5			0.1		1	280	1	16	0.4	0.5	6	6	0.12			0.49	190	0.5	1	610	1	2	0.5	1180		8	13	5	30
95DH-058	OSI	X	rep sample of banded grey, brown and black pyritic limestone, float		Cu showing ridge 116I/9	<5			0.1		4	580	1	16	0.4	0.5	7	9	0.22			0.28	125	0.5	2	1390	1	2	0.5	834		8	29	5	34
95DH-088	OSI		zebra chert? fracture filling? chalcedonic? s/c		ridge at km 438 116I/16	<5			0.4		2	40	1	2.01	0.4	0.5	230	12	0.22			0.47	15	1	6	270	1	1	0.5	28		8	31	5	32
95DH-089	COr		trail of float coarse cc vein w darker orange carb (ank?) tr qtz +host Rx Fx		ridge at km 438 116I/16	<5			0.1		1	100	1	16	0.4	0.5	14	1	0.17			0.98	40	0.5	0.5	130	1	1	0.5	835		8	2	5	16
95DH-090	COr		Coarse cc vein 15-20cm w ghost host 065/74 (ba?)		ridge at km 438 116I/16	<5			0.1		4	60	1	16	0.4	0.5	1	0.5	0.07			0.13	125	0.5	0.5	80	1	1	0.5	1070		8	1	5	16
95DH-091	COr		Coarse cc vein w qtz and dirty inclusions, poss sulph grain, ankerite? float		ridge at km 438 116I/16	<5			0.1		4	140	1	16	0.5	0.5	13	7	0.11			0.18	100	0.5	0.5	150	1	1	0.5	885		8	3	5	38
95DH-092	COr	X	rep sample of grey massive limestone		ridge at km 438 116I/16	<5			0.1		2	120	1	16	0.4	0.5	2	0.5	0.06			0.33	40	0.5	0.5	350	1	1	0.5	733		8	4	5	18
95DH-093	OSI	X	rep of pale grey to grey weath chert band 15 cm		ridge at km 438 116I/16	<5			0.1		1	140	1	0.23	0.4	0.5	238	14	0.61			0.26	40	0.5	10	130	1	1	1	8		8	10	5	20
95DH-094	OSI	X	rep of beige weath limestone i/bedded w above chert		ridge at km 438 116I/16	<5			0.1		1	80	1	16	0.4	4	16	15	0.77			0.23	340	0.5	11	960	4	1	3	137		8	11	5	70
95DH-103	COr	X	rep sample of fg dk grey limestone s/c		RAS-TUS claims 106L/4	<5			0.1		1	300	2	16	0.4	0.5	2	1	0.22			1.21	65	0.5	1	40	1	1	0.5	1095		8	3	5	22
95DH-114	OSI//Sd		pyritic silicified limestone?, margin of fault zone. py 1% in pods float		Touché 116/I/16	<5			0.1		2	780	1	0.8	0.4	4	167	4	1.01			0.39	395	0.5	9	360	4	1	1	15		8	5	5	8
95DH-115	OSI?		fault zone, fractured and qtz injected shale/siltstone+vein material, ox py0.5%		Touché 116/I/16	<5			0.2		4	390	2	2.7	0.4	2	132	26	0.66			1.5	135	0.5	15	280	4	1	1	20		8	12	5	20
95DH-118	COr		lt orange weath sandy limstn or limey sstn w seam py cubes and veinlet. float		between Touché+camp	<5			0.1		2	150	4	16	0.4	1	3	5	0.82			8.86	620	0.5	4	160	16	1	0.5	65		8	15	5	40
95DH-119	COr		coarse calcite vein.dense, baritic? s/c		between Touché+camp	<5			0.1		1	120	2	16	0.4	0.5	1	0.5	0.03			0.15	130	0.5	0.5	8	1	1	0.5	1355		8	0.5	5	18
95DH-121	COr		Vein of very coarse calcite (qtz-ba?), some rusty seams. float near o/c		between Touché+camp	<5			0.1		2	30	1	16	0.4	0.5	12	51	0.12			0.11	170	0.5	0.5	40	96	1	0.5	663		8	20	5	36
95DH-143	OSI		finely banded limestone- baritic? float		SE of km 452 116I/16	<5			0.1		2	780	2	16	0.4	2	8	9	0.95			0.51	565	0.5	9	180	2	1	2	555		8	7	5	34
95DH-144	OSI		rusty weath nodular bedded black chert w zones of py casts ("frothy texture")		SE of km 452 116I/16	<5			0.2		1	140	1	0.38	0.4	7	239	32	1.46			0.41	65	0.5	22	180	8	1	1	11		8	23	5	18
95DH-145	OSI		large coarse calcite vein w carb shale inclusions.dense, baritic?		SE of km 452 116I/16	<5			0.1		1	40	2	16	0.4	0.5	3	3	0.13			0.14	320	0.5	1	8	1	1	0.5	723		8	2	5	22
95DH-146	OSI		breccia zone w limonitic gouge in coarse calcite vein (of sample-145)		SE of km 452 116I/16	<5			0.1		4	70	2	16	0.5	1	39	23	3.14			0.15	210	0.5	4	100	1	1	0.5	436		8	3	5	156
95DH-147	OSI	X	rep sample of carb shales, limy shales and cherts.loc pyritic. chip 2m		SE of km 452 116I/16	<5			0.4		4	260	2	6.57	0.5	3	49	104	1.34			1.49	75	8	26	2210	6	1	3	89		8	83	5	86
95DH-148	OSI		pyritiferous (1-2%) dense (baritic) grey limestone.		SE of km 452 116I/16	<5			0.2		4	70	1	16	0.4	1	7	30	3.06			0.27	115	1	12	340	10	2	0.5	178		8	6	5	20
95DH-149	OSI		sh w 4-10cm band of f.g. py+cc veining//+ perp So overlain by sh w framb py		SE of km 452 116I/16	<5			0.8		6	20	2	6.13	6.5	1	28	48	13.6			0.12	70	0.5	11	340	16	1	0.5	77		8	9	5	**1520**
95DH-150	OSI		rusty fractured faulted shale w gyps? coating and thin cc veining		SE of km 452 116I/16	<5			0.2		1	140	2	3.62	0.4	7	59	**312**	1.75			0.96	160	0.5	35	170	6	1	3	58		8	34	5	102
95DH-151	OSI		folded train of rusty gouge +rusty gyps coated shale Fx		SE of km 452 116I/16	<5			0.4		6	80	1	4.33	0.4	3	53	85	3.45			0.49	35	3	23	160	6	1	1	37		8	28	5	44
95DH-151b	OSI		folded train of rusty gouge +rusty gyps coated shale Fx			<5			0.1		1	10	4	13.3	0.4	0.5	38	4	0.07			8.66	135	0.5	1	50	1	1	0.5	55		8	11	5	26
95DH-152	OSI		folded? calcite vein		SE of km 452 116I/16	<5			0.1		4	530	2	16	0.4	0.5	13	2	0.08			0.11	95	0.5	0.5	30	1	1	0.5	462		8	2	5	20
95DH-153	COr	X	rep sample of pyritic fossilliferous black shale (tweezergraptus)		SE of km 452 116I/16	<5			0.4		1	110	2	0.95	0.5	2	78	126	1.08			1.19	15	4	28	3300	1	1	4	18		8	**120**	5	84
95DH-166	OSI		thin bed. rusty+yellow weath shales+cherts w cc veining // So.		SE of km 440.9 116I/16	<5			0.6		10	130	1	2.43	**16.5**	2	63	**159**	2.65			0.16	10	3	40	8040	18	1	2	42		8	60	5	**1340**
95DH-168	OSI		black chert w limestone pods-ghosts, not for assay		SE of km 440.9 116I/16	<5			0.1		6	50	1	8.99	0.4	3	37	40	1.55			1.51	140	3	29	590	6	1	2	94		8	54	5	88
95DH-175	OSI		chert bed w large recessive py nodules		Real Rx Riv trib 116I/16	<5			0.6		4	**2300**	1	16	5.5	0.5	28	35	0.4			1.09	50	6	12	1760	2	1	1	264		8	**173**	5	**308**
95DH-177	OSI		cgl? lmstn Fx in dark matrix. sulph clasts? cut by thin V float at base of cliff		Real Rx Riv trib 116I/16	<5			0.1		2	170	1	16	0.4	0.5	22	11	0.08			0.2	165	0.5	2	80	1	1	0.5	821		8	6	5	30
95DH-178	OSI		Vcc and angular Fx of limstone in small fault		Real Rx Riv trib 116I/16	<5			0.1		2	120	1	16	0.4	0.5	14	7	0.26			1.34	85	0.5	2	290	1	1	1	473		8	12	5	30
95DH-179	OSI?		brecciated vein? carb xtals in dk grey/black matrix. rounded float in ck		Real Rx Riv trib 116I/16	<5			1.2		14	30	1	3.49	0.5	5	52	60	2.66			0.54	40	10	49	840	20	4	2	47		8	78	5	148
95DH-180	OSI		black carb calc shales- grungy rusty horizon. o/c but rep taken from float		Real Rx Riv trib 116I/16	<5			0.1		2	90	1	0.22	0.4	1	242	29	0.76			0.14	35	0.5	12	100	2	1	1	4		8	24	5	14
95DH-181	OSI		very rusty chert		Real Rx Riv trib 116I/16	<5			0.1		4	30	4	12.9	0.4	0.5	12	28	0.11			9.62	205	0.5	0.5	30	1	1	0.5	45		8	3	5	16
95DH-182	OSI		limestone cut by thin carb veinlets. float		E of AC p/out 116I/9	<5			0.1		2	60	6	13.2	0.4	0.5	34	3	0.17			9.9	180	0.5	1	540	8	1	0.5	94		8	8	5	20
95DH-183	OSI		limestone/chert w veins and pods of euhedral qtz/cc // So. float		E of AC p/out 116I/9	<5			0.1		1	10	1	7.55	0.5	0.5	92	19	0.1			0.16	40	0.5	0.5	10	1	2	0.5	301		8	12	5	34
95DH-184	OSI		coarse qtz and calcite vein. trail of float		E of AC p/out 116I/9	<5			0.1		4	240	1	0.4	0.4	0.5	210	9	0.92			0.04	5	1	4	100	4	1	0.5	39		8	30	5	8
96 DH 106	CDr1(COr)		grey weath f.g. limestone cut by xtalline cc veins (1-2cm). Where weatheres pinkish, ox py?	float	CW 106L/4 Illtyd camp	<5			0.1	0.06	1	220	1	16	0.4	0.5	6	7	0.18	0.5	8	0.25	65	0.5	1	200	1	1	0.5	1015	0.50	8	8	5	12
96 DH 107A	CDr1(COr)		calcite-dolom breccia-vein. Vuggy, w xtal qtz+limonite. amorphous orage-brown coating?	float	CW 106L/4 Illtyd camp	<5			0.1	0.01	1	30	1	16	0.4	0.5	4	0.5	0.31	0.5	8	9.78	360	0.5	1	40	1	1	0.5	64	0.50	8	1	5	12
96 DH 107B	CDr1(COr)	X	grey weath f.g. pyritic limestone. Silicified? carb coating on fractures	float	CW 106L/4 Illtyd camp	<5			0.1	0.21	1	380	1	16	0.4	0.5	5	0.5	0.18	0.5	8	1.1	45	0.5	1	260	1	1	0.5	1145	0.50	8	4	5	8
96 DH 109	CDr1(COr)		coarse cc (loc orange-pink) vein w fx dk f.g. limestone in bedded limestone/chert	float	CW 106L/4 Illtyd camp	<5			0.1	0.03	1	160	1	16	0.4	0.5	4	0.5	0.2	0.5	8	0.23	155	0.5	0.5	130	1	1	0.5	812	0.50	8	3	5	6
96 DH 110	CDr1(COr)		cc- dolom breccia vein+alt limestone Fx. vugs w light coloured carb. tr ox py		CW 106L/4 Illtyd camp	<5			0.1	0.01	1	930	1	16	0.4	0.5	3	0.5	0.14	0.5	8	9.31	255	0.5	0.5	50	1	1	0.5	75	0.50	8	1	5	14
96 DH 113	CDr1(COr)		? depends if a or b		CW 106L/4 Illtyd camp	<5			0.1	0.31	1	80	1	16	0.4	2	4	0.5	0.4	0.5	8	0.62	125	0.5	3	70	1	1	0.5	1030	0.50	8	2	5	6
96 DH 114	CDr1(COr)		cc-dolom vuggy breccia-vein w angular limestone Fx, limonite-py		CW 106L/4 Illtyd camp	<5			0.1	0.03	1	60	1	16	0.5	0.5	1	0.5	0.24	0.5	8	7.9	230	0.5	0.5	80	1	1	0.5	227	0.50	8	2	5	52
96 DH 115A	CDr1		in trace of fault: brecciated limestone injected w carb. looks munched. slicks?	float	CW 106L/4 Illtyd camp	<5			0.6	0.03	1	70	1	16	0.5	0.5	1	0.5	0.09	0.5	8	0.19	280	0.5	0.5	10	**716**	1	0.5	410	0.50	8	0.5	5	186
96 DH 115B	CDr1		in trace of fault:cc injected limestone	float	CW 106L/4 Illtyd camp	<5			0.1	0.03	1	250	1	16	0.4	0.5	1	0.5	0.07	0.5	8	0.19	295	0.5	0.5	8	14	1	0.5	426	0.50	8	2	5	18
96 DH 129A-d	CDr (COr or Osl)	X	black grey shale	o/c	NE 116I/1 Canyon Ck, below side canyon	<5			1.8	1.27	16	420	2	9.04	9	2	61	94	0.83	0.5	10	1.99	70	7	24	**3370**	10	4	2	202	0.50	8	**301**	5	**652**
96 DH 129B-d	CDr (COr or Osl)	X	beige weathering silicified? limestone	o/c	NE 116I/1 Canyon Ck, below side canyon	<5			1.8	0.89	6	**1670**	2	11.4	3	1	21	19	0.86	0.5	8	5.59	190	3	14	420	8	1	1	566	0.50	8	**148**	5	**230**
96 DH 130	CDr (COr or Osl)		rusty weath sandy limestone with thin py seams // So and remob perp.	o/c	NE 116I/1 side canyon, Canyon ck	<5			1.4	0.06	**98**	90	1	10.5	10	4	142	35	3.09	0.5	8	0.19	55	4	36	140	26	**18**	0.5	403	0.50	8	19	5	**544**
96 DH 131	CDr (COr or Osl)		rusty weath sandy w bedded py (1-2cm), massive at base (loc podiform) grades into diss.	o/c	NE 116I/1 side canyon, Canyon ck	<5			2.6	0.26	**202**	10	2	11.8	0.4	8	26	111	10.6	0.5	8	0.97	45	5	73	820	46	**26**	0.5	330	0.50	8	26	5	36
96 DH 132	CDr (COr or Osl)		1cm above base of limestone bed, 1-2cm wavy bed of fine diss py (2-4%)	o/c	NE 116I/1 side canyon, Canyon ck	<5			2	0.07	**128**	120	2	16	**100**	10	12	115	2.29	0.5	8	0.25	70	7	**107**	170	24	**18**	0.5	722	0.50	10	26	5	**7020**
96 DH 133	CDr (COr or Osl)	X	beige weath f.g. dk grey limestone, loc diss sulph. sample 20 cm thick	o/c	NE 116I/1 side canyon, Canyon ck	<5			0.1	0.36	10	840	4	16	4	0.5	14	44	0.45	0.5	10	1.36	80	4	9	740	14	2	0.5	824	0.50	10	73	5	114
96 DH 134	CDr (COr or Osl)	X	black carb. recessive shale (in dom limestone succcession)	o/c	NE 116I/1 side canyon, Canyon ck	<5			2.8	1.16	34	530	1	11.7	**29.5**	3	27	112	0.86	0.5	8	1.87	60	**18**	39	690	30	10	4	404	0.50	10	**465**	5	**1540**
96 DH 135	CDr (COr or Osl)		c to f.g.. limestone w 2-4% py at base. overlain by thin dark pyritiferrous lam	s/c	NE 116I/1 side canyon, Canyon ck	<5			0.1	0.12	24	230	2	16	5	0.5	17	32	1.16	0.5	8	0.8	55	7	9	680	16	6	0.5	528	0.50	10	30	5	**250**
96 DH 136	CDr (COr or Osl)		massive podiform py and bands lining limestone pods (pink-mottled weath py)	o/c	NE 116I/1 side canyon, Canyon ck	<5			4.5	0.17	**208**	8	2	9.98	0.4	7	46	63	**16**	0.5	8	0.3	35	5	61	90	60	**90**	0.5	255	0.50	8	30	5	108
96 DH 137	CDr (COr or Osl)		large py pods-discs on So, loc blue tarnish. py lined with lineated cc	float	NE 116I/1 side canyon, Canyon ck	<5			2.2	0.17	**116**	10	2	10	0.4	6	25	34	12.2	0.5	8	0.65	40	4	45	110	38	**40**	0.5	318	0.50	8	15	5	20
96 DH 138	CDr vein		Xtalline cc vein w angular limestone fx	o/c	NE 116I/1 side canyon, Canyon ck	<5			0.6	0.48	20	390	2	16	9	0.5	19	23	0.94	0.5	8	1.61	115	4	15	200	20	6	0.5	561	10	10	**186**	5	**490**
96 DH 141	CDr (COr or Osl)		lense of mass py, (w edge as cubes) lined by lineated cc vein, in grey, rusty weath limestone	float	NE 116I/1 Canyon Ck, below side canyon	<5			0.4	0.37	74	10	2	8.28	3	4	42	35	10.15	0.5	8	0.64	45	16	15	680	24	**20**	0.5	248	0.50	8	43	5	**290**
96 DH 142	CDr (COr or Osl)		1 Cm thick mass py lense lined by and cut by cc, in limestone	float	NE 116I/1 Canyon Ck, below side canyon	<5			0.8	0.05	50	80	2	16	1.5	1	4	7	2.82	0.5	8	0.3	45	2	6	150	20	**26**	0.5	521	0.50	10	8	5	26
96 DH 143	CDr (COr or Osl)		2 thin seams of py+cc form lense in limestone	float	NE 116I/1 Canyon Ck	<5			0.2	0.2	80	20	1	7.98	4	7	84	41	7.83	0.5	8	0.51	45	6	23	250	20	**14**	0.5	225	0.50	8	11	5	**282**
96 DH 144	CDr (COr or Osl)		podiform band of blue tarnished mass py (up to 1.5cm, lined by cc, in limestone	float	NE 116I/1 Canyon Ck	<5			1.8	0.09	82	70	2	16	1.5	2	16	13	4.55	0.5	8	0.85	45	3	17	270	30	**30**	0.5	559	0.50	10	26	5	38
96 DH 145	CDr (COr or Osl)		composite float sample of bands and pods of mass py in limestone	float	NE 116I/1 Canyon Ck, below side canyon	<5			3.2	0.32	**116**	40	1	10.6	3.5	4	28	28	5.81	0.5	8	1.02	40	5	33	230	38	**24**	0.5	351	0.50	8	34	5	**238**
96 DH 146	CDr (COr or Osl)		pinkish weathering spotty limestone w 2-5% diss f to mg py	float	NE 116I/1 Canyon Ck, below side canyon	<5			0.2	0.32	30	170	2	16	3	1	10	16	1.63	0.5	10	1.46	80	5	11	**2630**	18	8	0.5	693	0.50	10	92	5	120
96 DH 153A	Osl		brecc limestone w ang Fx in carb matrix. pod of soft beige mat containing black platy min	float	NE 118I/8	<5			<.2	0.12	20	**1560**	1	14	2	0.5	13	13	0.4	0.5	8	9.09	240	2	3	630	16	4	0.5	77	0.50	8	17	5	26
96 DH 154	Osl		white vyggy dolom/qtz ? vein	float	NE 118I/8	<5			<.2	0.04	22	130	1	16.00	2	0.5	4	3	0.07	0.5	8	11.2	260	1	0.5	70	20	4	0.5	57	0.50	10	5	5	10
96 DH 155	Osl		orange weathering ank/dolom? breccia w limestone and vein mat clasts	float	NE 118I/8	<5			<.2	0.04	16	140	1	16.00	2	0.5	5	7	0.63	0.5	8	5.94	250	4	4	300	28	4	0.5	115	0.50	10	12	5	64
96 DH 156	Osl		white weath white and grey dolom vein w vugs lined by cream coloured carb	float	NE 118I/8	<5			<.2	0.04	22	320	1	16.00	1.5	0.5	6	1	0.07	0.5	8	10.5	220	1	0.5	120	16	4	0.5	69	0.50	10	6	5	14
96 DH 157B	CDr1		coarse cc vein	float	NE 118I/8	<5			0.1	0.04	6	150	4	16	2	0.5	2	3	0.19	0.5	8	0.49	65	0.5	1	60	18	1	0.5	546	10	20	5	5	6
96 DH 161	COr		brecciated and veined limestone w matrix of light orange cc		NE 118I/8	<5			<.2	<.01	8	190	6	16.00	2	0.5	1	2	0.32	0.5	8	0.54	105	1	2	140	16	1	0.5	1010	0.50	10	1	5	2
96 DH 162	COr	X	limestone		NE 118I/8	<5			<.2	0.04	12	260	4	16.00	2	0.5	4	4	0.31	0.5	8	0.27	40	2	3	300	18	2	0.5	1365	0.50	10	8	5	8
96 DH 163	COr		composite sample of veined, breecciated and bleached limestone, light orange cc veining	float	NE 118I/8	<5			<.2	0.07	16	150	1	16.00	1.5	0.5	6	1	0.24	0.5	8	5.25	100	1	0.5	110	16	2	0.5	577	0.50	10	1	5	2
96 DH 180	OSI	X	(rusty weath) pinkish grey to grey chert		NE 116I/1	<5			<.2	0.14	2	160	1	0.02	0.4	1	**327**	29	0.88	0.5	8	0.01	15	0.5	8	250	2	1	0.5	10	0.50	8	16	5	8
96 DH 181A	OSI		dark grey, vuggy dolomitized limestone w carb xtals lining vugs + smithsonite?+ cc veining	float	NE 116I/1	<5			<.2	0.13	22	250	1	16.00	1.5	0.5	6	4	0.72	0.5	10	9.15	235	6	6	360	16	4	0.5	873	0.50	10	33	5	62
96 DH 181B	OSI		same as above vuggier, vuggs loc rimmed by py cubes and filled by coarse carbonate xtals	float	NE 116I/1	<5			<.2	0.07	20	400	1	16.00	1.5	0.5	5	3	0.59	0.5	20	9.04	210	5	3	370	14	4	0.5	1025	0.50	10	20	5	6

CDr1 Road River-COR/OSI
- all samples

sample number	Fm	rep	sample description		sample location	Au ppb FA+AA	Pt ppb	Pd ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
detection limit						5			0.2	0.01	2	10	2	15	0.5	1	1	1	15	0.5	10			1	1	8	2	2	1		10	10	1	10	
96 DH 183	CDr (COr or Osl)	X	beige weathering, f.g. platy dk limestone, carb on fract plane	float	NE 116I/1	<5			0.1	0.33	10	430	2	16	2.5	0.5	13	18	0.29	0.5	8	0.81	70	4	8	880	14	2	0.5	469	0.50	10	57	5	84
96 DH 198	OSl		vuggy and veined (cc-qtz\some drusy) conglomeratic limestone, app // So	o/c	NE 116I/16	<5			<.2	0.03	10	890	1	10.9	2.5	0.5	101	35	0.13	0.5	8	4.32	95	3	6	670	8	2	0.5	466	0.50	8	93	5	46
96 DH 199A	OSl		later extensional vein w shale Fx, qtz// to vein walls and cc xtals, diss cp 0.5%	o/c	NE 116I/16	<5			<.2	0.03	8	210	1	7.55	2	0.5	129	**266**	0.25	0.5	8	3.86	225	3	5	620	8	2	0.5	214	0.50	8	**119**	5	28
96 DH 199B	OSl		as -a, shale Fx lined by oblique drusy qtz and ank?, diss cp, az, bn loc in 0.5 cm globs	o/c	NE 116I/16	<5			<.2	0.04	2	250	1	5.58	0.5	0.5	196	**257**	0.34	0.5	8	1.83	155	2	7	910	4	1	0.5	192	0.50	8	81	5	26
96 DH 201	CDr1/COr	X	finely banded limestone/chert (loc nodular)	o/c	CW 116I/8	<5			0.1	0.04	6	60	1	8.97	0.5	1	110	17	0.21	0.5	8	0.11	210	1	5	490	6	1	0.5	172	0.50	8	6	5	18
96 DH 23A	COr	X	beige weath, dk grey	o/c	SE 116I/8 E Canyon Ck	<5			<.2	0.69	4	370	1	4.77	0.4	4	95	7	1.32	0.5	10	0.97	220	1	10	190	4	1	1	106	0.50	8	9	5	94
96 DH 23B	COr	X	black shale	o/c	SE 116I/8 E Canyon Ck	<5			<.2	1.11	14	170	1	0.81	0.4	11	27	28	2.61	0.5	10	1	90	5	28	280	28	1	3	12	0.50	8	21	5	118
96 DH 23C	COr		pod of weathered sulph 6 cm in diam	o/c	SE 116I/8 E Canyon Ck	<5			0.6	0.81	48	50	1	2.98	1.5	9	87	40	5.1	0.5	8	0.71	110	7	36	240	68	10	2	57	0.50	8	27	5	108
96 DH 23D	COr		rusty weath 1-2cm py pods in limy beds , carb coating	o/c	SE 116I/8 E Canyon Ck	<5			0.8	0.97	46	70	1	2.51	1.5	8	92	45	4.33	0.5	8	0.93	95	5	42	230	48	1	2	38	0.50	8	25	5	142
96 DH 23E	COr		mass py pod 1-2 cm in limeston beds, thin discordant Vcc	o/c	SE 116I/8 E Canyon Ck	<5			<.2	0.63	8	70	1	6.01	0.4	5	70	13	1.82	0.5	8	0.93	205	1	14	140	18	1	1	89	0.50	8	7	5	20
96 DH 23G	COr	X	graded limestone bed w diss py in core of bed	o/c	SE 116I/8 E Canyon Ck	<5			<.2	0.52	6	50	1	9.63	0.4	4	65	12	1.94	0.5	8	0.76	215	0.5	13	130	24	1	1	120	0.50	8	6	5	20
96 DH 24	COr	X	massive blocky, loc nodular limestone	o/c	SE 116I/8 E Canyon Ck	<5			<.2	0.04	<2	140	1	16.00	0.5	0.5	5	1	0.08	0.5	8	0.64	35	0.5	0.5	150	1	1	0.5	**2490**	0.50	8	19	5	34
96 DH 24B	COr		grey weath dark lmstn w pitted surface, cut by thin Vcc-ank? (baritic)	float	SE 116I/8 E Canyon Ck	<5			<.2	0.04	<2	**4860**	1	16.00	1.5	0.5	6	0.5	0.1	0.5	8	0.81	50	0.5	0.5	200	1	1	0.5	**2640**	0.50	8	14	5	30
96 DH 24C	COr		massive limestone cut by cc fault breccia	float?	SE 116I/8 E Canyon Ck	<5			<.2	0.07	<2	690	1	16.00	0.4	0.5	2	0.5	0.06	0.5	8	0.59	35	0.5	0.5	150	1	1	0.5	**1435**	0.50	8	6	5	10
96 DH 28	COr?		orange weath dolomitized limestone? cc in veins + as open space xtals	o/c?	SE 116I/8 E Canyon Ck	<5			<.2	0.13	<2	290	1	16.00	0.4	0.5	3	0.5	1.22	0.5	8	**8.16**	205	0.5	3	280	1	1	0.5	846	0.50	8	11	5	6
96 DH 38A	CDr1		grey massive blocky limestone, cut by qtz veins (silicified?)	float	SE 116I/8	<5			0.1	0.03	24	80	1	16	1.5	0.5	4	1	0.05	0.5	8	11.1	105	2	0.5	40	10	2	0.5	68	0.50	8	0.5	5	6
96 DH 46	COr		chips of clayey orange weathering rx	float	CE116I/1 Harrival	<5			0.4	0.83	12	220	1	1.97	4.5	6	58	35	1.06	0.5	10	0.37	120	4	49	380	8	2	2	84	0.50	8	95	5	**582**
96 DH 47	COr		vuggy milky white qtz veins containing chert fx	float	CE116I/1 Harrival	<5			<.2	0.01	6	30	1	2.36	0.4	0.5	167	2	0.2	0.5	8	0.14	35	1	4	90	1	1	0.5	74	0.50	8	7	5	18
96 DH 48	CDr1?	X	black blocky chert	float	CE116I/1 Harrival	<5			0.1	0.02	2	90	1	0.06	0.4	0.5	**296**	11	0.33	0.5	8	0.02	20	4	6	90	1	1	0.5	4	0.50	8	9	5	40
96 DH 52	COr?		composite of cc veining in grey limestone	float	CE and SE 116I/1 Harrival	<5			<.2	<.01	10	80	4	16.00	3.5	0.5	11	2	0.05	0.5	8	0.23	95	1	3	70	8	2	0.5	586	0.50	10	8	5	128
96 DH 53B	COr?	X	grey weathering , grey limestone, carb veining and coating on fract surfaces	o/c	CE and SE 116I/1 Harrival	<5			<.2	0.02	8	200	2	16.00	2	0.5	3	8	0.04	0.5	8	0.13	30	2	1	90	2	1	0.5	585	0.50	8	23	5	70
96 DH 55	CDr1		fault/fold in limestone w podiform chert, pervasive fracturing and Vcc	chip	CE and SE 116I/1 Harrival	<5			0.1	0.01	8	90	4	16	2	0.5	78	6	0.11	0.5	8	0.45	75	2	3	110	4	1	0.5	577	0.50	8	23	5	40
96 DH 56	CDr1		composite core sample: tarnished sulph (py?) in limestone and chert, loc in veinlet	core	CE and SE 116I/1 Harrival	<5			2.4	0.06	18	40	1	10.8	1.5	0.5	98	16	0.33	0.5	8	6	190	7	6	290	**1260**	6	0.5	59	0.50	8	48	5	150
96 DH 57	CDr1		diss rusty py in chert and py in Vccqtz in dolomitized limestone	float	CE and SE 116I/1 Harrival	<5			0.1	0	30	70	1	13.4	1.5	0.5	50	1	0.52	0.5	8	8.75	1010	2	1	80	18	4	0.5	79	0.50	8	16	5	26
96 DH 63A	OSl		white sugary qtz w silicified shFx and bitumen incl?, some limonitic vuggy pods	float	SE 116I/1	<5			<.2	0.07	<2	80	1	0.08	0.4	0.5	226	37	0.29	0.5	8	<.01	10	0.5	8	440	2	1	0.5	9	0.50	8	7	5	24
96 DH 64B	CDr1?	X	grey limestone	o/c	SE 116I/1 Mt R. 1st ascent	<5			0.1	0	10	40	6	16	2	0.5	1	1	0.05	0.5	8	0.17	65	1	1	40	22	1	0.5	198	0.50	20	1	5	16
96 DH 74	Osl		rusty weath pyritic nodular chert-brecciated+qtz veining	o/c	SE 116I/8	<5			0.2	0.27	2	250	1	0.13	0.4	4	186	39	1.33	0.5	8	0.08	30	0.5	17	210	6	1	1	11	0.50	8	19	5	22
96 DH 81	Osl		brecciated grey limestone in matrix of white carbonate xtals. loc large euhedral qtz		SE 116I/8	<5			<.2	0.01	<2	70	1	12	0.4	0.5	67	1	0.11	0.5	8	7.12	150	0.5	2	230	1	1	0.5	49	0.50	8	13	5	28
96 DH 82	Osl	X	bedded limestone/chert. limestone knobby, Fxtal.	o/c	SE 116I/8	<5			<.2	0.01	<2	120	1	16.00	0.4	0.5	14	5	0.06	0.5	8	0.22	45	0.5	3	390	1	1	0.5	303	0.50	8	14	5	36
96 DH 83	COr	X	f.g. brown-beige weathering limestone w loc cc veins	o/c	SE 116I/8	<5			<.2	0.12	<2	120	1	16.00	0.4	0.5	8	4	0.11	0.5	8	0.46	45	0.5	2	660	1	1	0.5	810	0.50	8	4	5	6
96 DH 85	OSl?	X	bedded chert/ (limestone/shale) 25 cm	chip	CE 116I/1 Canyon Ck	<5			0.4	0.35	<2	50	1	7.56	1.5	1	100	19	0.38	0.5	10	0.18	65	2	38	**3980**	2	1	1	104	0.50	8	**174**	5	110
96 DH 86A	OSl?	X	siliceous shale		CE 116I/1 Canyon Ck	<5			<.2	0.3	6	210	1	6.14	0.4	5	24	32	0.79	0.5	8	0.16	100	13	26	820	12	1	2	76	0.50	8	29	5	30
96 DH-53a	COr?		rusty soil	soil	CE and SE 116I/1 Harrival	<5			<.2	2.6	18	330	1	0.41	0.5	9	32	17	3.08	0.5	10	0.39	205	3	24	210	28	2	4	19	0.50	8	99	5	160
96 GM 02	CDr1		chert breccia w qtz veining		116I/1	<5			0.2	0.09	2	120	1	0.2	0.5	1	**356**	36	0.49	0.5	8	0.11	45	6	15	210	1	1	0.5	4	0.50	8	36	5	78
96 GM 05	CDr1		chert w qtz veins		116I/1	<5			0.1	0.04	2	30	1	2.01	0.5	2	**309**	12	0.5	0.5	8	1.14	110	9	13	430	1	1	0.5	17	0.50	8	17	5	130
96 GM 08	CDr1		qtz breccia in chert, qtz drusy and in veins	float	116I/1	<5			0.1	0.03	1	30	1	3.39	0.5	0.5	**252**	3	0.34	0.5	8	1.21	80	1	5	1040	1	1	0.5	47	0.50	8	3	5	36
96 GM 11	CDr1		slicked qtz breccia, drusy qtz (cgl?)		116I/1	<5			0.1	0.06	1	70	1	1.71	0.5	1	**291**	11	0.44	0.5	8	0.95	150	4	11	380	1	1	0.5	20	0.50	8	13	5	114
96 GM 14	CDr1		reddish soil in rusty weathering chert	soil	116I/1	<5			0.1	0.33	1	320	1	16	0.4	0.5	30	4	0.68	0.5	8	0.77	375	0.5	3	30	4	2	0.5	386	0.50	8	1	5	36
96 GM 15	CDr1		qtz breccia in chert, veining and drusy		116I/1	<5			0.1	0.05	2	30	1	2.28	0.5	0.5	357	7	0.41	0.5	8	1.28	110	4	10	570	1	1	0.5	20	0.50	8	17	5	58
96 GM 17	CDr1	X	limestone		116I/1	<5			0.1	0.07	1	210	1	16	0.4	0.5	11	4	0.34	0.5	8	0.25	85	0.5	7	270	1	1	0.5	303	0.50	8	7	5	30
96 GM 18	CDr1		extensional qtz veining in limestone		116I/1	<5			0.1	0.01	1	90	1	16	0.5	0.5	12	2	0.06	0.5	8	0.7	75	0.5	1	520	1	1	0.5	669	0.50	8	18	5	40
96 GM 19	CDr1		limestone w qtz veins or limestone/chert breccia		116I/1	<5			0.2	0.06	1	120	1	16	1	0.5	11	7	0.13	0.5	8	0.26	185	0.5	3	**2450**	1	1	0.5	528	0.50	8	29	5	60
96 GM 38	OSl		rusty black weath massive grey chert	o/c	116I/16	<5			<.2	0.09	<2	280	1	0.06	0.4	1	**258**	14	1.03	0.5	8	0.01	25	0.5	8	210	2	1	1	7	0.50	8	9	5	12
96 GM 39	OSl		chert qtz breccia		116I/16	<5			<.2	0.15	<2	**1550**	1	1.49	0.4	0.5	**212**	18	0.66	0.5	8	0.93	70	1	12	190	1	1	0.5	22	0.50	8	7	5	20
96 GM 40	OSl	X	grey chert		116I/16	<5			<.2	0.16	<2	380	1	0.03	0.4	1	**352**	21	0.78	0.5	8	0.05	25	0.5	11	120	2	1	0.5	7	0.50	8	5	5	4
96 GM 42	CDr1/COr	X	lt grey weath med grey limestone		106L4	<5			0.1	0.01	1	240	1	16	0.5	0.5	6	0.5	0.15	0.5	8	0.56	35	0.5	1	60	1	1	0.5	505	0.50	8	16	5	40
96 GM 47	CDr1/COr	X	black chert		106L4	<5			0.2	0.05	1	250	1	13.6	3	0.5	78	4	0.18	0.5	8	0.61	50	1	4	170	1	1	0.5	331	0.50	8	24	5	64
96 HR-1	CDr1	X	limestone w chert interbeds			<5			0.1	0.01	2	170	1	11.4	0.5	0.5	112	4	0.14	0.5	8	0.09	20	3	44	160	1	1	0.5	127	0.50	8	6	5	34
96 HR-2	CDr1	X	limestone	float		<5			0.1	0.07	14	**322000**	1	8.3	**8.5**	0.5	34	6	0.38	0.5	8	0.1	25	19	**207**	570	1	1	0.5	**4630**	0.50	8	99	5	50
96 HR-3	CDr1	X	chert/limestone, thin bedded	o/c	66 08.44, 136 07.93	<5			0.2	0.01	2	350	1	16	1.5	0.5	66	10	0.14	0.5	8	0.15	30	4	11	140	6	1	0.5	285	0.50	8	13	5	66
96-KP-18	Osl		chert/shales w2.5 cm py bed. py/chert/breccia		116I/8	<5			**4.8**	0.13	**126**	8	1	4.69	1.5	6	44	**133**	**16.00**	1	8	0.08	50	4	65	**3220**	156	16	1	151	0.50	8	15	5	**226**
96-KP-20	CDr1	X	massive grey limestone w chert interbeds		116I/1	<5			0.1	0.03	1	280	1	16	0.4	0.5	35	4	0.24	0.5	8	1.26	85	0.5	4	280	2	1	0.5	686	0.50	8	8	5	10
96-KP-22	CDr1		coloform brown carbonate on So?		116I/1	<5			0.1	0.01	1	230	1	16	0.5	0.5	4	6	0.09	1	8	0.16	65	0.5	0.5	110	2	4	0.5	1140	0.50	10	12	5	22
96-KP-23	CDr1		recrystallized limestone and calcite breccia	float	116I/1	<5			0.1	0.03	1	80	1	16	0.4	0.5	0.5	2	0.31	1	8	9.76	305	1	0.5	90	1	2	0.5	100	0.50	8	4	5	8
96-KP-24	CDr1		limestone-calcite breccia	s/c	116I/1	<5			0.1	0.07	1	340	1	16	0.4	1	69	17	0.21	0.5	8	0.43	420	0.5	5	780	2	2	0.5	1060	0.50	8	17	5	20
96-KP-26	CDr1		chert-calcite breccia		116I/1	<5			0.1	0.03	1	**2050**	1	16	1	0.5	5	2	0.15	0.5	8	1.85	105	0.5	0.5	130	1	6	0.5	288	0.50	8	6	5	24
96-KP-6	OSl breccia		drusy qtz breccia, slicks		116I/9	<5			<.2	0.06	<2	40	1	2.62	0.5	0.5	**266**	7	0.32	0.5	8	0.03	35	1	13	490	1	1	0.5	36	0.50	8	16	5	50
96-KP-7	Osl Breccia		chert cgl?breccia? chert Fx in loc drusy qtz		116I/9	<5			<.2	0.03	<2	30	1	10.2	1.5	0.5	106	15	0.43	0.5	8	5.75	85	3	5	580	1	2	0.5	66	0.50	8	28	5	126
					Average				0.488	0.212	16.52	2608.55	1.65	10.3	2.579	2.09	67.43	88.82	1.299	1	11	1.96	138.7	2.63	13.9	489	26.63	4.522	0.879	427.9	10	8.57	30.7		150.36
					Median				0.1	0.07	4	130	1	11.9	0.5	0.5	27	12	0.38	1	10	0.61	92.5	1	6	205	4	1	0.5	251.5	10	8	13		34
					Min				0.1	0	1	10	1	0.02	0.4	0.5	1	0.5	0.03	1	10	0.01	5	0.5	0.5	8	1	1	0.5	4	10	8	0.5		2
					Max				4.8	2.6	208	322000	6	16	100	11	357	6810	16	1	20	11.2	1205	19	207	8040	1260	90	4	4630	10	20	465		7020
					Standard Deviation				0.871	0.373	35.17	27392.1	1.14	6.17	9.527	2.6	89.68	597.2	2.555	0	3.16	3.04	160	3.35	23.9	932.2	127.3	10.42	0.795	576.8	0	1.75	56.2		628.04
					95th percentile				**2.36**	**0.922**	**94**	**1023**	**4**	**16**	**8.4**	**8**	**268.5**	**127.4**	**5.765**	**1**	**15.5**	**9.34**	**375.3**	**7.7**	**47.7**	**2222**	**47.2**	**21.2**	**3**	**1188**	**10**	**10**	**119**		**492.7**
					90th percentile				1.68	0.608	41.2	550	3.8	16	4	6	227.2	74	3.066	1	11	8.31	264	6	36	886	28	10	2	1026	10	10	81.4		226.8

sample number	Fm	rep	sample description		sample location	Au pp FA+AA	Pt ppb	Pd ppb
						983		
detection limit						5		
95DH-051	OSI	X	rep of beige grey dolom (60%) and black chert (40%) cut by disc thin Vcarb		from pit at km 412 116I/9	<5		
95DH-057	COr	X	rep sample of grey limestone. float		Cu showing ridge 116I/9	<5		
95DH-058	OSI	X	rep sample of banded grey, brown and black pyritic limestone, float		Cu showing ridge 116I/9	<5		
95DH-092	COr	X	rep sample of grey massive limestone		ridge at km 438 116I/16	<5		
95DH-093	OSI	X	rep of pale grey to grey weath chert band 15 cm		ridge at km 438 116I/16	<5		
95DH-094	OSI	X	rep of beige weath limestone i/bedded w above chert		ridge at km 438 116I/16	<5		
95DH-103	COr	X	rep sample of fg dk grey limestone s/c		RAS-TUS claims 106L/4	<5		
95DH-147	OSI	X	rep sample of carb shales, limy shales and cherts:loc pyritic. chip 2m		SE of km 452 116I/16	<5		
95DH-153	COr	X	rep sample of pyritic fossilliferous black shale (tweezergraptus)		SE of km 452 116I/16	<5		
96 DH 107B	CDr1(COr)	X	grey weath f.g. pyritic limestone. Silicified? carb coating on fractures	float	CW 106L/4 Illtyd camp	<5		
96 DH 133	CDr (COr or Osl)	X	beige weath f.g. dk grey limestone, loc diss sulph. sample 20 cm thick	o/c	NE 116I/1 side canyon, Canyon	<5		
96 DH 162	COr	X	limestone		NE 118I/8	<5		
96 DH 180	OSI	X	(rusty weath) pinkish grey to grey chert		NE 116I/1	<5		
96 DH 183	CDr (COr or Osl)	X	beige weathering, f.g. platy dk limestone, carb on fract plane	float	NE 116I/1	<5		
96 DH 201	CDr1/COr	X	finely banded limestone/chert (loc nodular)	o/c	CW 116I/8	<5		
96 DH 23A	COr	X	beige weath, dk grey	o/c	SE 116I/8 E Canyon Ck	<5		
96 DH 23B	COr	X	black shale	o/c	SE 116I/8 E Canyon Ck	<5		
96 DH 23G	COr	X	graded limestone bed w diss py in core of bed	o/c	SE 116I/8 E Canyon Ck	<5		
96 DH 24	COr	X	massive blocky, loc nodular limestone	o/c	SE 116I/8 E Canyon Ck	<5		
96 DH 48	CDr1?	X	black blocky chert	float	CE116I/1 Harrival	<5		
96 DH 53B	COr?	X	grey weathering , grey limestone, carb veining and coating on fract surfaces	o/c	CE and SE 116I/1 Harrival	<5		
96 DH 64B	CDr1?	X	grey limestone	o/c	SE 116I/1 Mt R. 1st ascent	<5		
96 DH 82	Osl	X	bedded limestone/chert. limestone knobby, Fxtal.	o/c	SE 116I/8	<5		
96 DH 83	COr	X	f.g. brown-beige weathering limestone w loc cc veins	o/c	SE 116I/8	<5		
96 DH 85	OSI?	X	bedded chert/ (limestone/shale) 25 cm	chip	CE 116I/1 Canyon Ck	<5		
96 DH 86A	OSI?	X	siliceous shale		CE 116I/1 Canyon Ck	<5		
96 GM 17	CDr1	X	limestone		116I/1	<5		
96 GM 40	OSI	X	grey chert		116I/16	<5		
96 GM 42	CDr1/COr	X	lt grey weath med grey limestone		106L4	<5		
96 GM 47	CDr1/COr	X	black chert		106L4	<5		
96 HR-1	CDr1	X	limestone w chert interbeds			<5		
96 HR-3	CDr1	X	chert/limestone, thin bedded	o/c	66 08.44, 136 07.93	<5		
96-KP-20	CDr1	X	massive grey limestone w chert interbeds		116I/1	<5		

sample number	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
	2118	2119	2120	2121	2123	2124	2125	2126	2127	2128	2150	2131	2151	2134	2135	2136	2138	2139	2140	2141	2142	2143	###	2146	2147	2148	2149
detection limit	0.2	0.01	0.2		2	15	0.5	1		1		0.5	10			1			2	2	1		10	10			
95DH-051	0.1		1	110	2	9.95	1	0.5	122	24	0.16			5.96	130	3	4	1230	1	1	0.5	38		8	53	<10	66
95DH-057	0.1		1	280	1	16	0.4	0.5	6	6	0.12			0.49	190	0.5	1	610	1	2	0.5	1180		8	13	<10	30
95DH-058	0.1		4	580	1	16	0.4	0.5	7	9	0.22			0.28	125	0.5	2	1390	1	2	0.5	834		8	29	<10	34
95DH-092	0.1		2	120	1	16	0.4	0.5	2	0.5	0.06			0.33	40	0.5	0.5	350	1	1	0.5	733		8	4	<10	18
95DH-093	0.1		1	140	1	0.23	0.4	0.5	238	14	0.61			0.26	40	0.5	10	130	1	1	1	8		8	10	<10	20
95DH-094	0.1		1	80	1	16	0.4	4	16	15	0.77			0.23	340	0.5	11	960	4	1	3	137		8	11	<10	70
95DH-103	0.1		1	300	2	16	0.4	0.5	2	1	0.22			1.21	65	0.5	1	40	1	1	0.5	1095		8	3	<10	22
95DH-147	0.4		4	260	2	6.57	0.5	3	49	104	1.34			1.49	75	8	26	2210	6	1	3	89		8	83	<10	86
95DH-153	0.4		1	110	2	0.95	0.5	2	78	126	1.08			1.19	15	4	28	3300	1	1	4	18		8	120	<10	84
96 DH 107B	0.1	0.21	0.1	380	1	16	0.4	0.5	5	0.5	0.18	<1	5	1.1	45	0.5	1	260	1	1	0.5	1145	<10	8	4	<10	8
96 DH 133	0.1	0.36	10	840	4	16	4	0.5	14	44	0.45	<1	10	1.36	80	4	9	740	14	2	0.5	824	<10	10	73	<10	114
96 DH 162	0.1	0.04	12	260	4	16	2	0.5	4	4	0.31	<1	5	0.27	40	2	3	300	18	2	0.5	1365	<10	10	8	<10	8
96 DH 180	0.1	0.14	2	160	1	0.02	0.4	1	327	29	0.88	<1	5	0.01	15	.5	8	250	2	1	0.5	10	<10	8	16	<10	8
96 DH 183	0.1	0.33	10	430	2	16	2.5	0.5	13	18	0.29	<1	5	0.81	70	4	8	880	14	2	0.5	469	<10	10	57	<10	84
96 DH 201	0.1	0.04	6	60	1	8.97	0.5	1	110	17	0.21	<1	5	0.11	210	1	5	490	6	1	0.5	172	<10	8	6	<10	18
96 DH 23A	0.1	0.69	4	370	1	4.77	0.4	4	95	7	1.32	<1	10	0.97	220	1	10	190	4	1	1	106	<10	8	9	<10	94
96 DH 23B	0.1	1.11	14	170	1	0.81	0.4	11	27	28	2.61	<1	10	1	90	5	28	280	28	1	3	12	<10	8	21	<10	118
96 DH 23G	0.1	0.52	6	50	1	9.63	0.4	4	65	12	1.94	<1	5	0.76	215	.5	13	130	24	1	1	120	<10	8	6	<10	20
96 DH 24	0.1	0.04	1	140	1	16	0.5	0.5	5	1	0.08	<1	5	0.64	35	.5	<1	150	1	1	0.5	2490	<10	8	19	<10	34
96 DH 48	0.1	0.02	2	90	1	0.06	0.4	0.5	296	11	0.33	<1	5	0.02	20	4	6	90	1	1	0.5	4	<10	8	9	<10	40
96 DH 53B	0.1	0.02	8	200	2	16	2	0.5	3	8	0.04	<1	5	0.13	30	2	1	90	2	1	0.5	585	<10	8	23	<10	70
96 DH 64B	0.1	0	10	40	6	16	2	0.5	1	1	0.05	<1	5	0.17	65	1	1	40	22	1	0.5	198	<10	20	1	<10	16
96 DH 82	0.1	0.01	1	120	1	16	0.4	0.5	14	5	0.06	<1	5	0.22	45	.5	3	390	1	1	0.5	303	<10	8	14	<10	36
96 DH 83	0.1	0.12	1	120	1	16	0.4	0.5	8	4	0.11	<1	5	0.46	45	.5	2	660	1	1	0.5	810	<10	8	4	<10	6
96 DH 85	0.4	0.35	1	50	1	7.56	1.5	1	100	19	0.38	<1	10	0.18	65	2	38	3980	2	1	1	104	<10	8	174	<10	110
96 DH 86A	0.1	0.3	6	210	1	6.14	0.4	5	24	32	0.79	<1	5	0.16	100	13	26	820	12	1	2	76	<10	8	29	<10	30
96 GM 17	0.1	0.07	0.1	210	1	16	0.4	0.5	11	4	0.34	<1	5	0.25	85	0.5	7	270	1	1	0.5	303	<10	8	7	<10	30
96 GM 40	0.1	0.16	1	380	1	0.03	0.4	1	352	21	0.78	<1	5	0.05	25	.5	11	120	2	1	0.5	7	<10	8	5	<10	4
96 GM 42	0.1	0.01	0.1	240	1	16	0.5	0.5	6	0.5	0.15	<1	5	0.56	35	0.5	1	60	1	1	0.5	505	<10	8	16	<10	40
96 GM 47	0.2	0.05	0.1	250	1	13.55	3	0.5	78	4	0.18	<1	5	0.61	50	1	4	170	1	1	0.5	331	<10	8	24	<10	64
96 HR-1	0.1	0.01	2	170	1	11.4	0.5	0.5	112	4	0.14	<1	5	0.09	20	3	44	160	1	1	0.5	127	<10	8	6	<10	34
96 HR-3	0.2	0.01	2	350	1	16	1.5	0.5	66	10	0.14	<1	5	0.15	30	4	11	140	6	1	0.5	285	<10	8	13	<10	66
96-KP-20	0.1	0.03	0.1	280	1	16	0.4	0.5	35	4	0.24	<1	5	1.26	85	0.5	4	280	2	1	0.5	686	<10	8	8	<10	10
Average	**0.15**	**0.19**	**3.946**	**228.79**	**1.739**	**9.6256**	**1.06**	**1.625**	**69.42**	**18.92**	**0.5**		**6.333**	**0.69**	**83**	**2.481**	**10.2**	**641.21**	**6.03**	**1.23**	**1.06**	**459.7**		**9**	**26.6**		**45.2**
Median	**0.1**	**0.06**	**2**	**200**	**1**	**9.95**	**0.5**	**0.5**	**24**	**10**	**0.24**		**5**	**0.33**	**65**	**1**	**6.5**	**280**	**2**	**1**	**0.5**	**285**		**8**	**13**		**34**
Min	**0.1**	**0**	**0.1**	**40**	**1**	**0.02**	**0.4**	**0.5**	**1**	**0.5**	**0.04**		**5**	**0.01**	**15**	**0.5**	**0.5**	**40**	**1**	**1**	**0.5**	**4**		**8**	**1**		**4**
Max	**0.4**	**1.11**	**14**	**840**	**6**	**16**	**4**	**11**	**352**	**126**	**2.61**		**10**	**5.96**	**340**	**13**	**44**	**3980**	**28**	**2**	**4**	**2490**		**20**	**174**		**118**
Standard Deviation	**0.11**	**0.27**	**4.082**	**167.03**	**1.287**	**6.4286**	**0.995**	**2.2877**	**97.06**	**27.88**	**0.59**		**2.289**	**1.04**	**74.4**	**2.83**	**11.5**	**908.01**	**7.85**	**0.43**	**1.02**	**541.4**		**2.849**	**37.5**		**34.3**
95th percentile	**0.4**	**0.66**	**11.3**	**490**	**4**	**16**	**2.9**	**4.65**	**308.4**	**74**	**1.58**		**10**	**1.41**	**217**	**7.1**	**32.5**	**2646**	**23.1**	**2**	**3**	**1254**		**11.5**	**97.8**		**112**

CDr2- all samples

			sample			Au ppb	Pt	Pd	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	La	Mg	Mn	Mo	Ni	P	Pb	Sb	Sc	Sr	Tl	U	V	W	Zn
sample number	Fm	rep	description		sample location	FA+AA	ppb	ppb	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
96 DH 58A	CDR2		sharpstone breccia w bedded clasts, brecciated and silica flooded: euhedral qtz	float	CE and SE 116I/1 Harrival	4			2	0.01	6.00	50.00	1	1.84	1	0.5	**232**	6	0.33	4	0.50	0.37	200	5	6	290	**1460**	2	0.5	27	0.50	0.50	24	0.50	**438**
96 DH 58B	CDR2		sharpstone breccia w bedded clasts, brecciated and silica flooded: euhedral qtz	float	CE and SE 116I/1 Harrival	4			2.4	0.04	6.00	40.00	1	3.52	0.5	0.5	**204**	7	0.36	0.5	0.50	1.92	285	2	5	**1560**	**1135**	2	0.5	18	0.50	0.50	13	0.50	132
96 DH 65A	CDR2		tabular ang Fxtal chert +limst in dolom matrix, zebra dolom in Fx, euhedral qtz in vugs	o/c	SE 116I/1 Mt R. 1st ascent	4			0.1	0.02	20.00	10.00	1	14.7	2	0.5	9	3	0.05	0.5	0.50	10.2	295	1	0.5	90	32	4	0.5	60	0.50	0.50	10	0.50	108
96 DH 65B	CDR2		tabular ang Fxtal chert +limst in dolom matrix, zebra dolom in Fx, euhedral qtz in vugs	o/c	SE 116I/1 Mt R. 1st ascent	4			0.1	0.04	18.00	10.00	1	13.15	2	0.5	60	4	0.12	0.5	0.50	8.92	195	3	2	120	36	4	0.5	59	0.50	0.50	18	0.50	76
96 DH 69	CDR2		brecciated and silicified		Llod- heli-stop	4			0.2	0	2.00	10.00	1	1.08	0.4	0.5	**250**	1	0.26	0.5	0.50	0.47	75	12	6	360	**130**	1	0.5	7	0.50	0.50	10	0.50	**318**
96 DH 139	CDr2		fault, slicked + drusy carb, fractured + veined limestone, some limonite coating	o/c	NE 116I/1 Canyon Ck, below side canyon	4			0.1	0.06	8.00	250.00	4	16.00	2	0.5	6	12	0.39	0.5	0.50	0.86	55	1	4	770	14	4	0.5	520	0.50	20	19	0.50	18
96 DH 140	CDr2	X	base of bed	o/c	NE 116I/1 Canyon Ck, below side canyon	4			0.1	0.05	12.00	70.00	4	16.00	2.5	0.5	4	4	0.1	0.5	0.50	0.3	25	0.5	3	430	16	2	0.5	361	0.50	20	11	0.50	38
96 DH 182	CDr2	X	coarse clasts of limestone, chert, siltstone in limestone (loc chert) matrix	float	NE 116I/1	4			0.1	0.01	10.00	200.00	4	16.00	4	0.5	13	7	0.06	0.5	0.50	0.17	70	1	3	390	16	1	0.5	299	0.50	20	13	0.50	38
96 DH 202A	CDr2	X	limestone and chert Fx (some bleached) in limestone matrix. Dolomitized	o/c	CW 116I/8	4			0.1	0.05	24.00	10.00	1	13.4	1.5	0.5	18	3	0.09	0.5	0.50	9.47	115	3	1	560	16	4	0.5	67	0.50	10	19	0.50	10
96 DH 202B	CDr2		as -a, with drusy qtz around Fx and in vugs	o/c	CW 116I/8	4			0.1	0.01	10.00	100.00	1	8.76	0.5	0.5	91	2	0.16	0.5	0.50	5.83	110	1	1	50	8	2	0.5	61	0.50	0.50	6	0.50	2
96 GM 45	CDr2		sharpstone breccia, loc vuggy w euhedral qtz and cc	o/c	106L4	4			0.1	0.01	1	240.00	1	7.67	0.4	0.5	108	0.5	0.18	0.5	0.50	4.65	230	0.5	3	320	1	1	0.5	35	0.50	0.50	10	0.50	24
96 DH 50	CDr2		dolomitic vuggy drusy qtz breccia w qtz-cc intergrowths w <1% sph, in limestone cgl		CE116I/1 Harrival	4			1.2	0.01	8.00	30.00	1	4.36	**150**	0.5	**152**	29	0.38	7	0.50	2.74	310	6	7	**980**	**486**	4	0.5	60	0.50	0.50	16	0.50	**35600**
96 DH 38B	CDr2?		qtz-dolomite breccia		SE 116I/8	4			0.1	0.03	22.00	110.00	1	16.00	1.5	0.5	4	0.5	0.06	0.5	0.50	11.55	260	2	0.5	90	12	6	0.5	98	0.50	10	13	0.50	12
96 DH 54	CDR2?		cpcgl or breccia w drusy qtz lined vugs	float	CE and SE 116I/1 Harrival	4			0.1	0.05	6.00	120.00	1	5.51	1.5	0.5	**263**	10	0.55	0.5	0.50	0.5	70	3	11	**950**	1	1	0.5	128	0.50	0.50	21	0.50	96
96 GM 03	CDr2?		dolomitic cgl, qtz lined vugs		116I/1	4			0.1	0.01	1	10.00	1	16.00	0.4	0.5	10	0.5	0.13	0.5	0.50	9.67	185	0.5	0.5	220	1	1	0.5	45	0.50	0.50	7	0.50	10
96 GM 22	CDr2?		cgl w angular chert clasts, pods of euhedral qtz		116I/1	4			**5.4**	0.01	1	10.00	1	0.47	0.4	0.5	464	19	0.46	0.5	0.50	0.01	40	1	6	40	20	4	0.5	8	0.50	0.50	4	0.50	12
96 GM 44	CDr2?		limestone breccia or cgl, clasts of cc		106L4	4			0.1	0.09	1	300.00	1	16.00	0.5	0.5	18	3	0.19	0.5	0.50	1.08	60	0.5	2	1390	1	1	0.5	421	0.50	0.50	**37**	0.50	42
					average				2.24	0.03	11.69	92.35	4	6.769	13.038		112	7.857	0.23	5.5		4.042	151.8	3.15	4.29	506.47	260.1	3.45		134		16	14.8		85.88
					min				0.2	0.01	2.00	10.00	4	0.47	0.5		4	1	0.05	4		0.01	25	1	1	40	8	2		7		10	4		2
					max				5.4	0.09	24.00	300.00	4	14.7	150		464	29	0.55	7		11.55	310	12	11	1560	1460	6		520		20	37		438
					median				2	0.03	10.00	50.00	4	5.51	1.5		60	5	0.18	5.5		1.92	115	2	3.5	360	20	4		60		20	13		38
					standard dev				1.957	0.02	7.02	97.50	0	5.164	41.163		131	7.745	0.16	2.12		4.271	98.47	3.11	2.76	468.41	482.8	1.29		161		5.48	7.95		122.5
					95th percentile				4.8	0.07	22.80	260.00	4	14.05	62.4		303	22.5	0.48	6.85		10.47	298	8.4	8.4	1424	1265	5		441		20	26.6		348
					90th percentile																	9.882	289	5.8	6.7	1144	1005	4		385	#NUM!	20	22.2		225

detection limit						5			0.2	0.01	2	10	2	15	0.5	1	1	1	15	0.5	10			1	1	8	2	2	1		10	10	1	10	
			sample			**Au ppb**	**Pt**	**Pd**	**Ag**	**Al**	**As**	**Ba**	**Bi**	**Ca**	**Cd**	**Co**	**Cr**	**Cu**	**Fe**	**Hg**	**La**	**Mg**	**Mn**	**Mo**	**Ni**	**P**	**Pb**	**Sb**	**Sc**	**Sr**	**Tl**	**U**	**V**	**W**	**Zn**
sample number	Fm	rep	description		sample location	FA+AA	ppb	ppb	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
95DH-049	Sd	X	rep beige weath grey bioturbated platy argillite, loc sl limey		from pit at km 412 116I/9	4			0.1		2	1100	1	0.94	0.4	4	30	25	2.26			1.05	350	0.5	22	290	4	1	3	50		8	21	0.50	46
95DH-050	Sd		orange weath grey pyritic dolom, platy, fissile		from pit at km 412 116I/9	4			0.1		2	**2020**	2	9.16	0.4	3	19	19	4.2			3.7	1885	0.5	14	240	2	1	3	320		8	14	0.50	74
95DH-059	Sd	X	rep sample of platy green grey beige argillite		Cu showing ridge 116I/9	4			0.1		2	970	1	1.07	0.4	4	27	35	1.47			0.4	95	0.5	19	370	6	1	2	43		8	20	0.50	50
95DH-086	Sd?		pale pink f.g. qtz vein w lim incl, sh Fx+ thin qtz veining in area of breccia	float	ridge at km 438 116I/16	4			0.2		1	1100	1	0.13	0.4	2	221	11	0.93			0.13	55	1	14	240	2	1	1	12		8	16	0.50	32
95DH-087	Sd?		float of Vcg cc, dense (ba?). loc sheared (micas) w chert Fx. 075		ridge at km 438 116I/16	4			0.1		1	150	1	16.00	0.4	0.5	1	0.5	0.16			0.16	260	0.5	0.5	10	1	1	0.5	1080		8	2	0.50	18
95DH-127	SD?		lt orange-grey weath limestone. baritic? fetid. tr malachite staining.	float	from km 440.9 116I/16	4			0.1		2	**4620**	2	16.00	0.5	0.5	6	1	0.65			1.46	200	0.5	4	790	1	2	0.5	4470		8	40	0.50	68
95DH-128	SD		platy shale bed (2cm) w 2-3% py rosettes up to 2 cm in diam		from km 440.9 116I/16	4			0.1		1	80	2	1.6	0.4	9	42	30	4.06			1.22	160	0.5	37	310	4	1	4	55		8	26	0.50	84
95DH-129	SD		(lmstn)bioclastic cgl w mass py pod 6X3cm+2cm horizon w 2-5% tarnished py		from km 440.9 116I/16	4			0.4		12	30	4	16.00	0.4	40	19	78	7.48			1.59	480	1	73	1980	24	1	1	555		8	9	0.50	**300**
95DH-130	SD		rusty shales w small pods of py(+qtz-cc?)		from km 440.9 116I/16	4			0.1		2	100	1	0.34	0.4	7	43	35	6.19			0.42	50	0.5	25	170	6	1	1	23		8	17	0.50	102
95DH-131	SD		cg bioclastic limstn cgl w py in pods+in matrix? + lining cavities?		from km 440.9 116I/16	4			0.4		6	90	1	16.00	0.4	24	18	13	5.59			0.88	330	0.5	46	1710	16	1	0.5	498		8	6	0.50	70
95DH-132	SD		rusty dolomitic mudstone w py nodules and platy rusty shales.chip 1m		from km 440.9 116I/16	4			0.1		1	870	2	3.65	0.4	6	31	25	2.83			1.51	260	0.5	22	360	4	1	4	140		8	20	0.50	60
95DH-133	SD		rusty dolomitic mdstone w 1-2% py as nodules up to 2-3 cm.chip 0.5m		from km 440.9 116I/16	4			0.1		2	330	2	4.81	0.4	9	30	23	3.78			2.49	475	0.5	24	270	2	1	4	169		8	19	0.50	76
95DH-142	SD	X	rep sample of grey-green weath bioturbated argillite w small py nodules.	s/c	SE of km 452 116I/16	4			0.1		1	790	2	1.57	0.4	4	40	32	2.64			1.35	210	0.5	22	530	1	1	4	60		8	31	0.50	56
95DH-160	*Sd*	*X*	*pitted beige orange weath (dolomitic) siltstone w 2-3% diss py. float*		*White Fox Ck E of hway*	4			0.1		2	140	2	8.28	0.5	2	29	28	3.99			5.59	540	0.5	12	90	4	2	3	1095		8	33	0.50	48
95DH-164	Sd	X	rusty limey bioturb argillite w framb py+remob py on fract. float at base of cliff		SE of km 440.9 116I/16	4			0.4		2	30	2	2.86	0.4	21	27	39	5.19			1.45	240	0.5	53	350	16	2	4	102		8	20	0.50	60
95DH-165	Sd/OSl fault		//+ brecc qtz and graphitic material w 1-2% cp, 1-2% red sph, cut by thin Vcc		SE of km 440.9 116I/16	4			0.6		1	90	1	1.3	**150**	0.5	194	**1905**	0.69			0.04	20	1	8	140	2	8	0.5	36		8	7	170	**26800**
95DH-170	Sd		sulphide bearing siltstone nodules		SE of km 440.9 116I/16	4			0.1		36	**4090**	1	0.17	18	1	128	53	0.88			0.09	35	16	82	780	4	8	4	104		8	**2260**	0.50	**750**
95DH-172	Sd/OSl fault		Barite vein (qtz?)		Real Rx Riv trib 116I/16	4			1.2		22	40	2	8.07	1.5	2	56	28	2.19			0.99	60	2	12	940	6	6	0.5	279		8	69	0.50	140
96 DH 152A	Sd	X	greenish grey to brown weath argill, loc bioturbated	o/c	NE 118I/8	4			0.1	1.5	1	650	1	1.09	0.4	7	47	37	2.51	0.5	10	1.02	260	0.5	20	180	4	1	4	29	8	8	22	8	50
96 DH 152B	Sd	X	rusty orange dolomitic siltstone interbeds	o/c	NE 118I/8	4			0.1	1.36	6	1210	1	8.07	0.5	8	28	23	4.61	0.5	10	3.92	**2340**	0.5	29	260	10	2	4	250	8	8	18	8	30
96 DH 173	Sd	X	blocky laminated siltstone w 2-3% py diss + in wisps	o/c	center 116I/8	4			0.1	1.31	6	150	1	5.98	0.4	10	37	22	3.25	0.5	10	3.25	360	0.5	30	490	10	2	5	237	8	8	31	8	62
96 DH 174	Sd	X	orange weathering wispy laminated siltstone w py in pods and in bands	float	center 116I/8	**20**			0.6	1.33	4	8	1	0.99	0.4	70	80	66	9.7	0.5	8	0.93	260	0.5	**114**	250	**30**	4	3	21	8	8	23	8	88
96 DH 179	Sd		crinoidal vuggy bioclastic siltstone, py in wisps, replace fossils?	float	NE 116I/1	4			0.1	1.53	1	**1880**	1	4.16	0.5	7	36	28	2.08	0.5	10	0.83	220	1	22	430	6	1	4	70	8	8	30	8	86
96 DH 192	Sd	X	light grey green pyritic argillite	float	NE 116I/16	4			0.1	1.15	1	**2030**	1	2.34	1.5	5	39	69	2.72	0.5	10	1.43	535	1	20	210	2	2	5	172	8	8	24	8	84
96 DH 37B	SD	X	composite sample of bioturb dolom. sstn w 2-4cm py pods	comp	SE 116I/8	**30**			0.3	1.27	1	8	2	1.46	0.4	**52**	61	44	9.65	0.5	8	1.09	150	0.5	76	260	20	2	1	31	8	8	17	8	50
96 DH 39A	Sd	X	yellow-brown, wispy laminated platy siliceous siltstone sample 25 cm	o/c	SE 116I/8	4			0.1	1.07	1	260	1	1.61	0.4	5	44	21	1.9	0.5	10	0.69	430	0.5	16	220	2	1	3	25	8	8	18	8	54
96 DH 39B	Sd	X	orange weath wispy laminated dolomitic siltstone		SE 116I/8	4			0.1	0.7	6	1270	1	7.12	0.5	3	18	10	3.13	0.5	10	3.25	1135	0.5	10	230	6	2	2	299	8	8	12	8	34
96 DH 61	Sd?		pervasively orange clay altered shale or carbonate	float	SE 116I/1	4			0.2	0.86	12	**7200**	2	0.15	2.5	15	64	86	7.18	0.5	10	0.04	485	3	**104**	**1680**	22	4	8	89	8	8	170	8	**274**
96 DH 62A	Sd	X	platy wispy laminated argillite. 25 cm	o/c	SE 116I/1	4			0.1	0.41	2	710	1	1.19	0.4	7	26	25	1.4	0.5	8	0.43	135	0.5	17	330	6	2	4	85	8	8	8	8	44
96 DH 62B	Sd	X	thick bedded orange weathering dolomitic siltsone	o/c	SE 116I/1	4			0.1	0.17	6	970	1	10.05	0.5	5	16	9	4.98	0.5	10	4.25	850	1	10	270	12	2	2	967	8	8	11	8	24
96 DH 7	Sd		wispy lam sstn+pyritic bioclastic cgl / w sulph pods	o/c	116I/16 e of hwy, White Fox	4			0.2	1.1	1	90	1	9.11	0.4	12	31	91	3.2	0.5	10	1.39	340	0.5	29	740	10	1	4	430	8	8	20	8	98
96 DH 87A	Sd	X	orange weathering blocky dolomitic siltstone	o/c	CE 116I/1 Canyon Ck	4			0.1	0.52	1	1710	1	11.45	0.4	2	15	8	4.29	0.5	10	4.51	1195	0.5	9	220	2	1	2	431	8	8	11	8	26
96 DH 87B	*Sd*	*X*	*beige green weathering platy wispy laminated argillite*	*o/c*	*CE 116I/1 Canyon Ck*	4			0.1	1.73	1	510	1	0.86	0.4	7	40	29	1.87	0.5	10	0.7	135	0.5	23	340	6	1	5	28	8	8	20	8	48
96 GM 23A	Sd	X	rusty weath wispy dolomitic siltstone, py diss and in agglomerates. 20 cm		116I/1	4			0.1	0.96	1	1830	1	7.99	0.4	3	31	12	3.95	0.5	20	3.66	950	0.5	12	350	1	1	4	388	8	8	17	8	40
96 GM 23B	Sd	X	argillite, diss py		116I/1	4			0.1	1.46	1	1130	1	0.81	0.4	4	48	34	2.04	0.5	10	0.78	155	0.5	24	340	2	1	4	33	8	8	24	8	68
96 GM 37	Sd?		brown weath limestone cgl, ooids?, small rusty clasts		116I/16	4			0.1	0.06	1	310	1	16.00	0.4	1	7	1	0.71	0.5	8	0.45	890	0.5	10	1990	6	1	0.5	615	8	8	7	8	12
96 HR-10	Sd	X			66 02.93, 136 06.61	4			0.1	0.53	1	1010	1	6.61	0.5	4	36	14	2.94	0.5	8	3.02	935	0.5	17	260	10	1	2	316	8	8	11	8	62
96 KP-16	Sd	X	wispy laminated argillite w py nodules		116I/8	4			0.1	1.4	1	150	1	1.78	0.4	18	81	30	3.42	0.5	10	1.2	165	0.5	37	280	8	1	4	50	8	8	22	8	108
96 KP-17	Sd		Slicked calcite veins-breccia		116I/8	4			0.1	0.22	1	350	1	16.00	0.4	1	10	7	0.96	0.5	10	3.35	170	0.5	5	640	1	2	0.5	464	8	8	5	8	8
					average				0.45	0.98	7.05	1082.70	2.17	3.84	14.75	10.67	45.03	80.16	3.38		10.63	1.66	456.41	3.00	29.55	501.03	8.12	3.25	3.38	362.08			80.79		773.95
					median				0.40	1.10	4.00	710.00	2.00	1.78	0.50	5.50	31.00	28.00	2.94		10.00	1.20	260.00	1.00	22.00	310.00	6.00	2.00	4.00	140.00			20.00		60.00
					min				0.20	0.06	2.00	30.00	2.00	0.13	0.50	1.00	1.00	1.00	0.16		10.00	0.04	20.00	1.00	4.00	10.00	2.00	2.00	1.00	12.00			2.00		8.00
					max	30.00			1.20	1.73	36.00	7200.00	4.00	11.45	150.00	70.00	221.00	1905.00	9.70		20.00	5.59	2340.00	16.00	114.00	1990.00	30.00	8.00	8.00	4470.00			2260.00	170.00	26800.00
					standard dev				0.30	0.50	8.68	1465.51	0.58	3.51	42.88	14.76	45.00	304.83	2.32		2.50	1.44	499.68	4.92	26.63	500.93	7.08	2.18	1.48	733.89			359.13		4278.95
					95th percentile				0.93	1.53	23.40	4196.00	2.90	9.52	77.40	43.00	134.60	86.75	7.70		12.50	4.28	1264.00	10.80	85.30	1737.00	22.70	8.00	5.00	1081.50			79.10		345.00
					90th percentile				0.66	1.5	14	2024	2	8.944	16.45	22.5	80.2	71.7	6.388		10	3.74	987	5.6	73.9	1088	18.8	7	4.9	685.4			34.4	170	166.8

Sd (CDr3)- rep samples

	detection limit						5			0.2	0.01	2	10	2	15	0.5	1	1	1	15	0.5	10			1	1	8	2	2	1		10	10	1	10	
				sample			**Au ppb**	**Pt**	**Pd**	**Ag**	**Al**	**As**	**Ba**	**Bi**	**Ca**	**Cd**	**Co**	**Cr**	**Cu**	**Fe**	**Hg**	**La**	**Mg**	**Mn**	**Mo**	**Ni**	**P**	**Pb**	**Sb**	**Sc**	**Sr**	**Tl**	**U**	**V**	**W**	**Zn**
	sample number	Fm	rep	description		sample location	FA+AA	ppb	ppb	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
argillite	95DH-049	Sd	X	rep beige weath grey bioturbated platy argillite, loc sl limey		from pit at km 412 116I/9	4			0.1		2	1100	1	0.94	0.4	4	30	25	2.26			1.05	350	0.5	22	290	4	1	3	50		8	21	8	46
	95DH-059	Sd	X	rep sample of platy green grey beige argillite		Cu showing ridge 116I/9	4			0.1		2	970	1	1.07	0.4	4	27	35	1.47			0.4	95	0.5	19	370	6	1	2	43		8	20	8	50
	95DH-142	SD	X	rep sample of grey-green weath bioturbated argillite w small py nodules.	s/c	SE of km 452 116I/16	4			0.1		1	790	2	1.57	0.4	4	40	32	2.64			1.35	210	0.5	22	530	1	1	4	60		8	31	8	56
	95DH-164	Sd	X	rusty limey bioturb argillite w framb py+remob py on fract. float at base of cliff		SE of km 440.9 116I/16	4			0.4		2	30	2	2.86	0.4	21	27	39	5.19			1.45	240	0.5	53	350	16	2	4	102		8	20	8	60
	96 DH 152A	Sd	X	greenish grey to brown weath argill, loc bioturbated	o/c	NE 118I/8	4			0.1	1.5	1	650	1	1.09	0.4	7	47	37	2.51	0.5	10	1.02	260	0.5	20	180	4	1	4	29	8	8	22	8	50
	96 DH 192	Sd	X	light grey green pyritic argillite	float	NE 116I/16	4			0.1	1.15	1	**2030**	1	2.34	1.5	5	39	69	2.72	0.5	10	1.43	535	1	20	210	2	2	5	172	8	8	24	8	84
	96 DH 39A	Sd	X	yellow-brown, wispy laminated platy siliceous siltstone sample 25 cm	o/c	SE 116I/8	4			0.1	1.07	1	260	1	1.61	0.4	5	44	21	1.9	0.5	10	0.69	430	0.5	16	220	2	1	3	25	8	8	18	8	54
	96 DH 62A	Sd	X	platy wispy laminated argillite. 25 cm	o/c	SE 116I/1	4			0.1	0.41	2	710	1	1.19	0.4	7	26	25	1.4	0.5	8	0.43	135	0.5	17	330	6	2	4	85	8	8	8	8	44
	96 DH 87B	Sd	X	beige green weathering platy wispy laminated argillite	o/c	CE 116I/1 Canyon Ck	4			0.1	1.73	1	510	1	0.86	0.4	7	40	29	1.87	0.5	10	0.7	135	0.5	23	340	6	1	5	28	8	8	20	8	48
	96 GM 23B	Sd	X	argillite, diss py		116I/1	4			0.1	1.46	1	1130	1	0.81	0.4	4	48	34	2.04	0.5	10	0.78	155	0.5	24	340	2	1	4	33	8	8	24	8	68
	96-KP-16	Sd	X	wispy laminated argillite w py nodules		116I/8	4			0.1	1.4	1	150	1	1.78	0.4	18	81	30	3.42	0.5	10	1.2	165	0.5	37	280	8	1	4	50	8	8	22	8	**108**
						average				0.40	1.25	2.00	757.27	2.00	1.47	1.50	7.82	40.82	34.18	2.49		10.00	0.95	246.36	1.00	24.82	312.73	5.60	2.00	3.82	61.55			20.91		60.73
						median				0.40	1.40	2.00	710.00	2.00	1.19	1.50	5.00	40.00	32.00	2.26		10.00	1.02	210.00	1.00	22.00	330.00	5.00	2.00	4.00	50.00			21.00		54.00
						min				0.40	0.41	2.00	30.00	2.00	0.81	1.50	4.00	26.00	21.00	1.40		10.00	0.40	95.00	1.00	16.00	180.00	2.00	2.00	2.00	25.00			8.00		44.00
						max				0.40	1.73	2.00	2030.00	2.00	2.86	1.50	21.00	81.00	69.00	5.19		10.00	1.45	535.00	1.00	53.00	530.00	16.00	2.00	5.00	172.00			31.00		108.00
						standard dev					0.43	0.00	560.57	0.00	0.65		5.95	15.61	12.79	1.07		0.00	0.38	138.57		10.87	95.93	4.20	0.00	0.87	43.97			5.49		19.46
						95th percentile				0.40	1.66	2.00	1580.00	2.00	2.60	1.50	19.50	64.50	54.00	4.31		10.00	1.44	482.50	1.00	45.00	450.00	12.40	2.00	5.00	137.00			27.50		96.00
dolomitic	95DH-160	Sd	X	pitted beige orange weath (dolomitic) siltstone w 2-3% diss py. float		White Fox Ck E of hway	4			0.1		2	140	2	8.28	0.5	2	29	28	3.99			5.59	540	0.5	12	90	4	2	3	1095		8	33	8	48
siltstone	96 DH 152B	Sd	X	rusty orange dolomitic siltstone interbeds	o/c	NE 118I/8	4			0.1	1.36	6	1210	1	8.07	0.5	8	28	23	4.61	0.5	10	3.92	2340	0.5	29	260	10	2	4	250	8	8	18	8	30
	96 DH 173	Sd	X	blocky laminated siltstone w 2-3% py diss + in wisps	o/c	center 116I/8	4			0.1	1.31	6	150	1	5.98	0.4	10	37	22	3.25	0.5	10	3.25	360	0.5	30	490	10	2	5	237	8	8	31	8	62
	96 DH 174	Sd	X	orange weathering wispy laminated siltstone w py in pods and in bands	float	center 116I/8	**20**			0.6	1.33	4	8	1	0.99	0.4	70	80	66	9.7	0.5	8	0.93	260	0.5	114	250	30	4	3	21	8	8	23	8	88
	96 DH 37B	SD	X	composite sample of bioturb dolom. sstn w 2-4cm py pods	comp	SE 116I/8	**30**			0.3	1.27	1	8	2	1.46	0.4	52	61	44	9.65	0.5	8	1.09	150	0.5	76	260	20	2	1	31	8	8	17	8	50
	96 DH 39B	Sd	X	orange weath wispy laminated dolomitic siltstone		SE 116I/8	4			0.1	0.7	6	1270	1	7.12	0.5	3	18	10	3.13	0.5	10	3.25	1135	0.5	10	230	6	2	2	299	8	8	12	8	34
	96 DH 62B	Sd	X	thick bedded orange weathering dolomitic siltsone	o/c	SE 116I/1	4			0.1	0.17	6	970	1	10.05	0.5	5	16	9	4.98	0.5	10	4.25	850	1	10	270	12	2	2	967	8	8	11	8	24
	96 DH 87A	Sd	X	orange weathering blocky dolomitic siltstone	o/c	CE 116I/1 Canyon Ck	4			0.1	0.52	1	1710	1	11.45	0.4	2	15	8	4.29	0.5	10	4.51	1195	0.5	9	220	2	1	2	431	8	8	11	8	26
	96 GM 23A	Sd	X	rusty weath wispy dolomitic siltstone, py diss and in agglomerates. 20 cm		116I/1	4			0.1	0.96	1	1830	1	7.99	0.4	3	31	12	3.95	0.5	20	3.66	950	0.5	12	350	1	1	4	388	8	8	17	8	40
	96 HR-10	Sd	X			66 02.93, 136 06.61	4			0.1	0.53	1	1010	1	6.61	0.5	4	36	14	2.94	0.5	8	3.02	935	0.5	17	260	10	1	2	316	8	8	11	8	62
						average	25.00			0.45	0.91	5.00	1036.25	2.00	6.80	0.50	15.90	35.10	23.60	5.05		11.67	3.35	871.50	1.00	31.90	268.00	11.56	2.29	2.80	403.50			18.40		46.40
						median	25.00			0.45	0.96	6.00	1110.00	2.00	7.56	0.50	4.50	30.00	18.00	4.14		10.00	3.46	892.50	1.00	14.50	260.00	10.00	2.00	2.50	307.50			17.00		44.00
						min				0.30	0.17	2.00	140.00	2.00	0.99	0.50	2.00	15.00	8.00	2.94		10.00	0.93	150.00	1.00	9.00	90.00	2.00	2.00	1.00	21.00			11.00		24.00
						max	30.00			0.60	1.36	6.00	1830.00	2.00	11.45	0.50	70.00	80.00	66.00	9.70		20.00	5.59	2340.00	1.00	114.00	490.00	30.00	4.00	5.00	1095.00			33.00		88.00
						standard dev	7.07			0.21	0.44	1.67	628.22	0.00	3.34	0.00	24.28	20.70	18.57	2.52		4.08	1.44	633.09		35.27	101.08	8.65	0.76	1.23	357.71			8.18		20.04
						95th percentile	29.50			0.59	1.35	6.00	1788.00	2.00	10.82	0.50	61.90	71.45	56.10	9.68		17.50	5.10	1824.75	1.00	96.90	427.00	26.00	3.40	4.55	1037.40			32.10		76.30

SDv- all samples

sample number	Fm		sample description		sample location
95DH-11	SDv		rusty weath loc brecciated //So shale		km 450 116I/16
95DH-16A	SDv? (Di)	X	rep sample: black friable limey shale, loc resistant pyritic horizon, chip 2m		RRC trib 116I/16
95DH-16B	SDv? (Di)		composite of 3 grey pyritic siltstone beds 8, 20 and 25cm thick		RRC trib 116I/16
95DH-16C	SDv? (Di)		1m zone of rusty qtz-cc veining and fracturing w sulph alt		RRC trib 116I/16
95DH-20	SDv?		brecc. shale w lim-gyps-qtz? coating on fract and lining Fx. tr malach. float		Real Rx Ck 116I/16
95DH-023	SDv		carb grapt. limey sh w parts of 2 mass. py pods. slicked irid. stain chip 0.5m		km 450 116I/16
95DH-024	SDv		carb graptol.shale, slightly limey. no noted sulphides. chip 0.8m		km 450 116I/16
95DH-025	SDv		carb graptol.shale w 1 to 2 cm band.py.. chip 0.61m		km 450 116I/16
95DH-026	SDv		carb graptol.sh w 2 wavy banded py bands 1 to 1.5 cm. chip 0.4m		km 450 116I/16
95DH-027	SDv		carb sh w 1 cm py band and 1-4 cm pinch +swell lenses.chip 0.58 cm		km 450 116I/16
95DH-028	SDv		platy siliceous shale w 1cm band of massive py. chip 0.67m		km 450 116I/16
95DH-029	SDv		carb shale w 1-2 cm sulph band. chip 0.6m		km 450 116I/16
95DH-030	SDv		shale w planar 2-4 cm dark green sulph band, py in core. chip 0.47m		km 450 116I/16
95DH-031	SDv		sample of sulphide pod in 95 DH-29, 4 cm thick (fold?)		km 450 116I/16
95DH-032	SDv		sulphide-rich layer in DH-30, py in core. 4 cm		km 450 116I/16
95DH-033	SDv		carb shale w py band 1-2 cm. chip 0.6m		km 450 116I/16
95DH-034	SDv		shale w 2-4 cm planar sulph band, looks like DH-30. chip 0.55m		km 450 116I/16
95DH-035	SDv		shale no visible sulph. chip 0.43m		km 450 116I/16
95DH-036	SDv		carb shale w brecciated horizon, sulph? chip 0.55m		km 450 116I/16
95DH-037	SDv		carb shale w tabular sulph-rich horizon. chip 0.58m		km 450 116I/16
95DH-078	SDv		black grapt sh coated w white + yellow coating on So and fract planes		km 450 116I/16
95DH-079	SDv	X	rep sample of black graptolitic shales		km 450 116I/16
95DH-085	SDv?	X	rep of platy silicceous beige weath argillite		km 419 116I/9
95DH-135	SDv/Dc?		carb+calc sh w 4-6 cm band of tarn mg lin. py(cp?), cut by thin Vcc 1% py		ck W of 453.3 116I/16
95DH-136	SDv/Dc?		carb+calc sh w py bed 0.5cm, bed above poss baritic. sample 15cm thick		ck W of 453.3 116I/16
95DH-137	SDv/Dc?		grey shales w several thin pyritiferous horizons. sample 10cm		ck W of 453.3 116I/16
95DH-138	SDv/Dc?		carb shales w clay-weathered sulph-rich pod and thin py-rich band		ck W of 453.3 116I/16
95DH-139	SDv/Dc?		limey shale w 1-2cm horizon w 10-20% diss py		ck W of 453.3 116I/16
95DH-140	SDv/Dc?		Vcoarse cc w org-rich // + coal, hydrocarb? slicked graph planes. fetid. float		ck W of 453.3 116I/16
95DH-155	SDv	X	rep sample of black carbonaceous siliceous platy shales. Float at base of cliff		White Fox Ck E of hway
95DH-157	SDv		large carb (witherite?) xtals in dk matrix, loc glomerp band. tr cp, malach. float		White Fox Ck E of hway
95DH-158	SDv		V mult bands black bladed carb? in lmstn. contains coal and malach/az on fract		White Fox Ck E of hway
95DH-159	SDv		rusty carb grapt sh w 2 thin horizons semi-/mass py . chip 0.3m		White Fox Ck E of hway
96 DH 8	SDv	X	beige weathering limestone- baritic?	o/c	116I/16 e of hwy, White Fox Ck
96 DH 9A	SDv	X	black shale (carb coating)	o/c	116I/16 e of hwy, White Fox Ck
96 DH 9B	SDv?				116I/16 e of hwy, White Fox Ck
96 DH 21A	SDv		beige baritic pod ? containing small carb xtals	s/c	116I/16 e of hwy, ck behind camp
96 DH 21B	SDv		beige limestone? w folded chert bands +cc veins	o/c	116I/16 e of hwy, ck behind camp
96 DH 21D	SDv	X	siliceous shales, brown-orange-red weathering	o/c	116I/16 e of hwy, ck behind camp
96 DH 22A	SDv	X	black carbonaceous graptolitic shales	o/c	116I/16 e of hwy, ck behind camp
96 DH 22B	SDv		thin red-rusty horizon, locally punky. beige green:desintegrated sulph	o/c	116I/16 e of hwy, ck behind camp
96 DH 34	SDv		med bedded laminated limestone w carbonaceous shales. Vs cc	o/c	SE 116I/8
96 DH 35	SDv		semi-massive podiform py layer in grey weath shaly pyritic limestone	o/c	SE 116I/8
96 DH 36A	SDv		py pod 3-4cm thick in limy shales. sample 8 cm.	o/c	SE 116I/8
96 DH 36B	SDv		large 8X3cm py nodule, internal banding	o/c	SE 116I/8
96 DH 40	SDv or Sd?		black med bedded pyritic chert w lam rich in py nodules. sample 35 cm	o/c	SE 116I/8
96 DH 41A	SDv		black carbonnaceous shales with strings of small sulphide rich nodules	o/c	SE 116I/8
96 DH 41B	SDv		dolomitic limestone contains 2-3% py in irregular aggregates	o/c	SE 116I/8
96 DH 45	SDv	X	platy black sh w carb coating, 25 cm	o/c	SE 116I/8
96 DH 77A	SDv	X	black chert/carbonaceous graptolitic shale/black limestone 40 cm	o/c	SE 116I/8
96 DH 77B	SDv		composite sample of chert horizons w rusty pods (sulph?)	o/c	SE 116I/8
96 DM 167D	SDv?		top of limestone pod, rust rind, carb veining. 8cm	o/c	center 116I/8
96 DH 170A	SDv	X	i// black chert/beige-grey bedded limestone	o/c	center 116I/8
96 DH 170B	SDv		rusty grungy fract horizon w turqu to fluo green coating at limestone to chert/lime	o/c	center 116I/8
96 DH 171	SDv	X	black carbonnaceous shale and siltier beds	o/c	center 116I/8
96 DH 172	SDv		massive py bed/seam // So, up to 3-4 cmX min 10m	o/c	center 116I/8
96 DH 178	SDv	X	dark grey shale float patches	float	NE 116I/1
96 DH 184A	SDv		flaky black grungy shale, some malach-az? coating, round vugs?	o/c	SW 116I/16
96 DH 184B	SDv		black and grey banded chert, some malach coating	o/c	SW 116I/16
96 DH 184C	SDv		grungy broken up zone in sh w malach-az coating w carb or gypsum veining	o/c	SW 116I/16
96 DH 188A	SDv		dk graptolitic shale w thin py seam	o/c	NW 116I/16
96 DH 188B	SDv		dk graptolitic shale w band <1cm of finely diss py	o/c	NW 116I/16
96 DH 188C	SDv		dk graptolitic shale w graded py bed <1cm	o/c	NW 116I/16
96 DH 188D	SDv		dk graptolitic shale w graded py bed <1-1.5 cm thick, 2m below previous sample	o/c	NW 116I/16
96 DH 188E	SDv	X	black graptolitic shale	o/c	NW 116I/16
96 DH 203	SDv?	X	chips of beige weathering chert and cherty shale	float	NW 116I/9
96 DH 205A	SDv	X	beige weath chert/ shale/ limestone	s/c	SW 116I/16
96 DH 206A	SDv	X	beige weathering shale/limestone/chert	f/c	CW 116I/16
96 GM 32	SDv		grey weath black argillite w barite-calcite xtals	o/c	116I/16
96 GM 33	SDv		pod of black xtalline barite in grey/rusty weath chert and shale	o/c	116I/16
96 GM 34	SDv		black argillite w large euhedral barite xtals	float	116I/16
96 GM 35	SDv		qtz chert breccia, slicks	float	116I/16
96 GM 36	SDv	X	rusty weath black shales. 20 cm	o/c	116I/16
96-KP-13	SDv		pods of sulphides up to 10 cm in black shale		116I/8
96-KP-15	SDv		pyrite/calcite pod // So in black shale		116I/8

NOTE: Highlighted values are > max values of reps

sample number	Au ppb FA+AA	Pt ppb	Pd ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
detection limit	5			0.2	0.01	2	10	2	15	0.5	1	1	1	15	0.5	10			1	1	8	2	2	1		10	10	1	10	
95DH-11	4			1.2		62	160	1	2.67	12	1	56	74	3.78			0.15	15	51	65	33200	30	38	1	1035		10	2070	0.50	660
95DH-16A	4			0.6		16	60	1	2.6	1	12	57	68	2.71			1.28	135	3	73	970	10	4	7	237		8	82	0.50	250
95DH-16B	4			0.4		16	60	1	12.65	0.4	3	21	36	3.05			6.72	655	2	19	120	4	2	5	1190		8	58	0.50	78
95DH-16C	4			0.6		14	230	1	12.3	1.5	18	28	65	3.22			1.63	505	4	149	210	8	2	7	522		8	61	0.50	1415
95DH-20	4			3.2		86	160	1	3.99	16.5	6	76	309	2.23			0.57	80	25	148	700	16	52	4	289		8	712	0.50	832
95DH-023	4			0.8		56	50	1	5.28	24	3	70	107	4.9			0.76	85	43	172	350	14	2	2	478		10	817	0.50	928
95DH-024	4			0.6		32	690	1	4.88	28	3	71	98	0.93			0.85	70	51	201	540	8	2	3	485		10	1225	0.50	1045
95DH-025	4			1.2		114	10	1	4.07	17	2	77	254	6.14			0.65	80	55	209	1780	18	6	2	175		10	1305	0.50	686
95DH-026	4			0.8		54	30	1	4.32	15.5	3	70	120	4.03			0.58	60	62	217	1310	22	12	3	273		10	1345	0.50	680
95DH-027	4			0.6		58	20	1	4.01	20.5	3	76	143	4.64			0.64	60	63	207	2230	22	14	3	248		10	1560	0.50	906
95DH-028	4			1		62	80	1	4.13	22	3	59	104	1.86			0.85	75	64	211	320	12	2	3	266		10	1190	0.50	956
95DH-029	4			0.6		56	70	1	3.48	19.5	3	66	189	3.33			0.71	50	54	197	1470	10	4	2	234		10	1295	0.50	1240
95DH-030	4			0.8		54	60	1	3.37	21.5	2	73	144	2.6			0.53	45	61	199	1140	16	6	3	181		10	1515	0.50	958
95DH-031	4			1.8		142	10	1	0.79	3.5	1	133	495	11.05			0.07	10	56	99	3630	24	12	0.5	38		8	1770	0.50	336
95DH-032	4			1.4		66	10	1	0.54	2.5	0.5	117	149	7.19			0.06	10	66	98	190	28	4	0.5	28		8	1325	0.50	200
95DH-033	4			0.8		82	10	1	3.42	17.5	2	76	194	5.96			0.55	55	69	222	1000	20	8	2	111		10	1435	0.50	1020
95DH-034	4			0.8		64	10	2	4.93	47	4	90	178	2.96			0.78	80	93	268	600	18	10	3	194		20	1785	0.50	2400
95DH-035	4			1.2		38	40	1	3.08	38	2	90	130	1.25			0.4	40	72	204	590	12	4	3	189		10	1840	0.50	1805
95DH-036	4			0.8		86	30	1	1.79	40.5	1	77	91	2.35			0.24	15	81	171	1370	12	10	3	172		10	1970	0.50	1155
95DH-037	4			1		42	40	1	3.23	41	2	76	114	1.93			0.5	55	52	171	1770	12	6	3	261		10	1695	0.50	1150
95DH-078	4			0.8		32	10	1	6.05	56.5	2	71	90	1.04			0.9	65	69	206	390	4	2	2	224		8	1115	0.50	1525
95DH-079	4			0.8		26	40	1	6.27	21.5	2	58	86	0.89			2.37	190	55	163	410	6	1	3	346		8	1175	0.50	858
95DH-085	4			2.6		28	690	1	0.18	28.5	1	149	118	0.55			0.06	20	42	101	170	12	14	2	24		8	1130	0.50	1040
95DH-135	4			1.8		112	10	2	1.34	0.4	4	40	79	16.00			0.14	20	45	105	90	44	14	0.5	71		8	17	0.50	22
95DH-136	4			1		1	70	2	2.62	0.5	10	44	63	5.47			1.19	100	2	48	190	16	1	3	83		8	24	0.50	114
95DH-137	4			0.6		6	30	4	8.57	3.5	8	44	147	8.1			2.98	225	1	75	270	14	1	2	304		8	26	0.50	402
95DH-138	4			0.6		12	90	4	9.95	1.5	8	22	105	5.74			3.45	270	6	62	370	14	1	3	392		8	24	0.50	192
95DH-139	4			0.1		22	10	2	9.58	6.5	7	44	231	6.75			2.03	185	1	51	570	6	1	2	353		8	29	0.50	750
95DH-140	4			0.1		2	320	2	16.00	0.4	0.5	3	1	0.07			0.23	195	0.5	13	0.50	1	1	0.5	3600		8	14	0.50	30
95DH-155	4			0.2		26	210	1	0.84	0.4	0.5	49	51	1.04			0.06	4	79	56	150	4	2	2	63		8	636	0.50	108
95DH-157	4			0.1		8	191000	1	3.09	12.5	0.5	34	33	0.12			0.31	40	6	57	150	1	1	0.5	2540		8	147	0.50	1240
95DH-158	4			1.8		30	7680	4	12.9	4	0.5	33	167	0.09			6.08	125	0.5	16	510	1	36	0.5	1550		8	69	0.50	164
95DH-159	4			1.6		34	40	2	3.07	81.5	3	74	116	2.75			1.65	70	62	182	290	18	6	3	87		8	941	0.50	900
96 DH 8	4			0.1	0.32	1	1180	1	13.75	0.4	2	9	7	2.32	0.5	8	6.58	695	0.5	11	290	2	1	1	996	8	8	10	8	36
96 DH 9A	4			0.4	1.1	46	40	1	6.37	3.5	7	56	72	1.51	0.5	8	1.29	95	59	179	270	8	2	4	318	8	8	488	8	374
96 DH 9B	4			0.4	0.85	26	30	1	6.08	6	6	38	49	1.27	0.5	8	1.31	80	66	205	350	8	1	4	285	8	10	595	8	474
96 DH 21A	4			0.6	0.21	14	6240	1	0.71	11	0.5	92	22	0.61	0.5	8	0.01	50	16	53	2490	2	1	1	367	8	8	691	8	400
96 DH 21B	4			0.2	0.09	16	3610	1	9.47	6	0.5	101	127	0.36	0.5	8	0.13	85	13	39	1170	1	6	1	2640	8	8	259	8	340
96 DH 21D	4			1.6	0.76	40	1020	1	0.47	6	0.5	91	40	1.3	0.5	8	0.09	5	95	77	2390	12	4	5	191	8	8	2300	8	334
96 DH 22A	4			0.8	0.84	46	1580	1	4.22	13	2	72	123	1.37	0.5	10	1.08	70	55	184	840	8	2	5	289	8	10	1020	8	848
96 DH 22B	4			0.8	0.82	68	100	1	4.28	4.5	5	52	83	3.2	0.5	8	1.06	90	99	166	630	10	10	3	299	8	8	513	8	556
96 DH 34	4			0.4	0.1	22	490	1	13.85	8.5	1	39	29	0.24	0.5	10	0.78	60	10	56	350	2	4	3	1000	8	8	337	8	588
96 DH 35	4			1.2	0.63	206	20	1	6.63	8.5	5	94	202	6.21	0.5	30	0.82	65	68	184	2070	26	24	3	421	8	20	1395	8	618
96 DH 36A	4			1.8	0.4	206	8	1	3.55	4.5	3	71	101	11	0.5	10	0.35	40	53	114	780	52	12	1	368	8	10	1135	8	456
96 DH 36B	4			0.8	0.19	166	8	2	1.28	0.4	6	56	146	16.00	0.5	8	0.38	50	17	101	650	40	20	0.5	92	8	8	235	8	78
96 DH 40	4			2.8	0.61	10	8	1	0.68	0.4	7	68	42	16.00	0.5	8	0.2	60	3	35	1080	20	6	0.5	18	8	8	26	8	34
96 DH 41A	4			0.1	0.13	4	20	1	0.39	0.5	5	19	30	2.92	0.5	8	0.22	30	0.5	21	80	4	1	1	33	8	8	5	8	354
96 DH 41B	4			0.1	0.37	16	20	1	9.38	0.5	5	30	32	4.78	0.5	10	5.48	640	2	17	80	12	4	4	761	8	8	24	8	52
96 DH 45	4			0.1	0.45	10	120	1	1.55	2	6	29	35	1.42	0.5	8	0.16	80	24	80	530	4	2	3	169	8	8	83	8	162
96 DH 77A	4			0.6	0.33	38	470	1	4.4	4	1	69	61	0.9	0.5	10	0.89	50	62	176	280	6	4	3	225	8	8	692	8	480
96 DH 77B	4			0.2	0.19	26	490	1	4.13	4	1	76	38	0.57	0.5	8	0.56	40	34	128	190	4	1	1	245	8	8	523	8	288
96 DM 167D	4	4	1	0.1	0.56	52	40	1	12.75	20.5	7	32	70	2.53	0.5	8	0.24	150	29	293	950	4	1	3	776	8	8	116	8	514
96 DH 170A	4			0.6	0.06	22	550	1	7.84	13.5	0.5	153	33	0.26	0.5	8	0.46	35	11	54	160	8	8	1	886	8	8	268	8	670
96 DH 170B	15			4	0.51	1710	60	2	15	70	58	58	348	3.8	4	30	0.53	85	929	10500	5690	26	142	1	701	40	140	770	8	5980
96 DH 171	4			1.8	0.42	20	440	1	7.88	3.5	3	165	79	0.87	0.5	10	1.37	100	8	150	3380	8	4	4	446	8	8	175	8	626
96 DH 172	4			4.8	0.51	160	8	1	0.96	6	5	74	79	16.00	0.5	8	0.32	35	30	70	340	28	88	0.5	19	8	8	526	8	500
96 DH 178	4			0.4	0.85	2	2540	1	0.14	1.5	4	62	43	1.21	0.5	10	0.19	90	1	32	310	6	1	4	22	8	8	37	8	154
96 DH 184A	4			1.4	0.24	78	440	1	9.16	31.5	1	63	361	0.49	0.5	8	3.59	250	29	112	420	8	106	2	935	8	8	513	8	1325
96 DH 184B	4			2.2	0.13	98	260	1	3.48	12	1	191	505	0.36	0.5	8	0.24	50	9	60	100	2	170	1	379	8	8	238	8	638
96 DH 184C	4			1.8	0.73	218	70	2	4.13	30	26	58	939	1.7	0.5	8	0.79	395	37	1255	250	4	218	2	225	8	8	581	8	2340
96 DH 188A	4			0.4	0.91	50	10	1	2.49	4	7	51	45	6.12	0.5	8	0.77	80	94	154	240	12	6	2	77	8	10	504	8	338
96 DH 188B	4			1	1.14	46	30	1	1.13	2	7	58	56	7.12	0.5	8	0.72	90	104	152	780	16	8	3	78	8	40	594	8	216
96 DH 188C	4			3.6	1.13	112	10	2	2.35	2.5	4	107	268	11.6	0.5	8	0.43	30	54	81	2320	40	16	0.5	63	8	8	1110	8	286
96 DH 188D	4			5.6	0.9	190	10	2	0.19	0.4	5	93	210	16.00	0.5	8	0.5	40	69	214	530	38	24	0.5	6	8	8	918	8	140
96 DH 188E	4			0.8	0.84	26	490	1	3.36	13	2	78	57	0.89	0.5	8	0.96	60	46	147	230	10	2	4	248	8	10	1060	8	556
96 DH 203	4			0.8	0.35	18	410	1	0.11	0.5	0.5	91	43	0.52	0.5	10	0.08	10	26	42	140	10	8	2	16	8	8	997	8	152
96 DH 205A	4			0.4	0.27	12	820	1	2.3	21	1	94	77	0.44	0.5	8	0.06	30	21	54	80	6	6	2	84	8	8	455	8	364
96 DH 206A	4			0.2	0.52	32	590	1	0.24	17	3	93	82	0.93	0.5	10	0.04	30	74	121	420	6	8	5	48	8	8	707	8	412
96 GM 32	4			0.6	0.47	10	140000	1	8.45	16.5	0.5	73	40	0.3	0.5	8	0.17	105	5	51	2210	1	2	1	5290	8	8	242	8	304
96 GM 33	4			0.2	0.19	6	362000	1	9.36	24.5	0.5	23	15	0.15	0.5	8	0.04	15	3	24	540	1	1	0.5	3630	8	8	173	8	250
96 GM 34	4			0.4	0.74	14	168000	1	1.47	29.5	0.5	38	50	0.48	0.5	8	0.11	55	21	140	1620	2	1	1	332	8	8	871	8	1585
96 GM 35	4			0.6	0.27	14	2460	1	1.22	8.5	0.5	303	52	0.61	0.5	8	0.7	80	12	28	410	2	1	1	55	8	8	466	8	142
96 GM 36	4			2.4	0.87	46	1340	1	0.13	37.5	2	86	103	1.84	0.5	8	0.11	45	132	282	260	14	6	7	32	8	20	1850	8	1885
96-KP-13	4			2	0.19	94	8	1	1.09	0.4	6	42	104	16.00	0.5	8	0.21	30	7	47	50	32	10	1	10	8	8	19	8	40
96-KP-15	4			2.2	0.19	16	8	1	4.22	0.4	5	47	135	16.00	0.5	8	0.12	70	8	41	1860	16	8	1	130	8	8	10	8	190
average	9.50			1.24	0.51	75.95	13014.93	2.43	4.60	16.20	5.38	70.92	125.09	2.81	4.00	13.64	0.99	107.16	53.94	271.53	1281.89	14.09	20.93	2.73	525.97		18.26	719.11		694.99
median	9.50			0.80	0.46	38.00	80.00	2.00	3.52	12.00	3.00	69.00	86.00	1.85	4.00	10.00	0.55	65.00	45.00	112.00	465.00	12.00	6.00	3.00	248.00		10.00	594.00		480.00
min	4.00			0.20	0.06	2.00	10.00	2.00	0.11	0.50	1.00	3.00	1.00	0.07	4.00	10.00	0.01	5.00	1.00	11.00	50.00	2.00	2.00	1.00	6.00		10.00	5.00		22.00
max	15.00			5.60	1.14	1710.00	362000.00	4.00	15.00	81.50	58.00	303.00	939.00	11.60	4.00	30.00	6.72	695.00	929.00	10500.00	33200.00	52.00	218.00	7.00	5290.00		140.00	2300.00		5980.00
standard dev	7.78			1.08	0.32	200.67	54744.80	0.85	3.91	16.77	8.00	43.71	137.33	2.78		8.09	1.45	141.35	109.85	1206.42	3885.62	11.08	41.83	1.50	904.64		27.41	621.13		816.77
95th percentile	14.45			3.48	1.09	196.40	87072.00	4.00	12.80	45.80	12.00	150.20	351.90	7.78	4.00	30.00	4.16	433.50	97.00	272.20	2801.50	39.20	111.40	5.00	2570.00		38.00	1843.00		1829.00

detection limit						5			0.2	0.01	2	10	2	15	0.5	1	1	1	15	0.5	10			1	1	8	2	2	1		10	10	1	10	
			sample			Au pp	Pt	Pd	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	La	Mg	Mn	Mo	Ni	P	Pb	Sb	Sc	Sr	Tl	U	V	W	Zn
sample numbe	Fm		description		sample location	FA+AA	ppb	ppb	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
95DH-11	SDv		rusty weath loc brecciated //So shale		km 450 116I/16	4			1.2		62	160	1	2.67	12	1	56	74	3.78			0.15	15	51	65	33200	30	38	1	1035		10	2070	0.50	660
95DH-16A	SDv? (Di)	X	rep sample: black friable limey shale, loc resistant pyritic horizon, chip 2m		RRC trib 116I/16	4			0.6		16	60	1	2.6	1	12	57	68	2.71			1.28	135	3	73	970	10	4	7	237		8	82	0.50	250
95DH-16B	SDv? (Di)		composite of 3 grey pyritic siltstone beds 8, 20 and 25cm thick		RRC trib 116I/16	4			0.4		16	60	1	12.65	0.4	3	21	36	3.05			6.72	655	2	19	120	4	2	5	1190		8	58	0.50	78
95DH-16C	SDv? (Di)		1m zone of rusty qtz-cc veining and fracturing w sulph alt		RRC trib 116I/16	4			0.6		14	230	1	12.3	1.5	18	28	65	3.22			1.63	505	4	149	210	8	2	7	522		8	61	0.50	1415
95DH-20	SDv?		brecc. shale w lim-gyps-qtz? coating on fract and lining Fx. tr malach. float		Real Rx Ck.116I/16	4			3.2		86	160	1	3.99	16.5	6	76	309	2.23			0.57	80	25	148	700	16	52	4	289		8	712	0.50	832
95DH-023	SDv		carb grapt. limey sh w parts of 2 mass. py pods. slicked irid. stain chip 0.5m		km 450 116I/16	4			0.8		56	50	1	5.28	24	3	70	107	4.9			0.76	85	43	172	350	14	2	2	478		10	817	0.50	928
95DH-024	SDv		carb graptol.shale, slightly limey. no noted sulphides. chip 0.8m		km 450 116I/16	4			0.6		32	690	1	4.88	28	3	71	98	0.93			0.85	70	51	201	540	8	2	3	485		10	1225	0.50	1045
95DH-025	SDv		carb graptol.shale w 1 to 2 cm band py. chip 0.61m		km 450 116I/16	4			1.2		114	10	1	4.07	17	2	77	254	6.14			0.65	80	55	209	1780	18	6	2	175		10	1305	0.50	686
95DH-026	SDv		carb graptol.sh w 2 wavy banded py bands 1 to 1.5 cm. chip 0.4m		km 450 116I/16	4			0.8		54	30	1	4.32	15.5	3	70	120	4.03			0.58	60	62	217	1310	22	12	3	273		10	1345	0.50	680
95DH-027	SDv		carb sh w 1 cm py band and 1-4 cm pinch +swell lenses.chip 0.58 cm		km 450 116I/16	4			0.6		58	20	1	4.01	20.5	3	76	143	4.64			0.64	60	63	207	2230	22	14	3	248		10	1560	0.50	906
95DH-028	SDv		platy siliceous shale w 1cm band of massive py. chip 0.67m		km 450 116I/16	4			1		62	80	1	4.13	22	3	59	104	1.86			0.85	75	64	211	320	12	2	3	266		10	1190	0.50	956
95DH-029	SDv		carb shale w 1-2 cm sulph band. chip 0.6m		km 450 116I/16	4			0.6		56	70	1	3.48	19.5	3	66	189	3.33			0.71	50	54	197	1470	10	4	2	234		10	1295	0.50	1240
95DH-030	SDv		shale w planar 2-4 cm dark green sulph band, py in core. chip 0.47m		km 450 116I/16	4			0.8		54	60	1	3.37	21.5	2	73	144	2.6			0.53	45	61	199	1140	16	6	3	181		10	1515	0.50	958
95DH-031	SDv		sample of sulphide pod in 95 DH-29, 4 cm thick (fold?)		km 450 116I/16	4			1.8		142	10	1	0.79	3.5	1	133	495	11.05			0.07	10	56	99	3630	24	12	0.5	38		8	1770	0.50	336
95DH-032	SDv		sulphide-rich layer in DH-30, py in core. 4 cm - -		km 450 116I/16	4			1.4		66	10	1	0.54	2.5	0.5	117	149	7.19			0.06	10	66	98	190	28	4	0.5	28		8	1325	0.50	200
95DH-033	SDv		carb shale w py band 1-2 cm. chip 0.6m		km 450 116I/16	4			0.8		82	10	1	3.42	17.5	2	76	194	5.96			0.55	55	69	222	1000	20	8	2	111		10	1435	0.50	1020
95DH-034	SDv		shale w 2-4 cm planar sulph band, looks like DH-30. chip 0.55m		km 450 116I/16	4			0.8		64	10	2	4.93	47	4	90	178	2.96			0.78	80	93	268	600	18	10	3	194		20	1785	0.50	2400
95DH-035	SDv		shale no visible sulph. chip 0.43m		km 450 116I/16	4			1.2		38	40	1	3.08	38	2	90	130	1.25			0.4	40	72	204	590	12	4	3	189		10	1840	0.50	1805
95DH-036	SDv		carb shale w brecciated horizon, sulph? chip 0.55m		km 450 116I/16	4			0.8		86	30	1	1.79	40.5	1	77	91	2.35			0.24	15	81	171	1370	12	10	3	172		10	1970	0.50	1155
95DH-037	SDv		carb shale w tabular sulph-rich horizon. chip 0.58m		km 450 116I/16	4			1		42	40	1	3.23	41	2	76	114	1.93			0.5	55	52	171	1770	12	6	3	261		10	1695	0.50	1150
95DH-078	SDv		black grapt sh coated w white + yellow coating on So and fract planes		km 450 116I/16	4			0.8		32	10	1	6.05	56.5	2	71	90	1.04			0.9	65	69	206	390	4	2	2	224		8	1115	0.50	1525
95DH-079	SDv	X	rep sample of black graptolitic shales		km 450 116I/16	4			0.8		26	40	1	6.27	21.5	2	58	86	0.89			2.37	190	55	163	410	6	1	3	346		8	1175	0.50	858
95DH-085	SDv?	X	rep of platy siliceous beige weath argillite		km 419 116I/9	4			2.6		28	690	1	0.18	28.5	1	149	118	0.55			0.06	20	42	101	170	12	14	2	24		8	1130	0.50	1040
95DH-135	SDv/Dc?		carb+calc sh w 4-6 cm band of tarn mg lin. py(cp?), cut by thin Vcc 1% py		ck W of 453.3 116I/16	4			1.8		112	10	2	1.34	0.4	4	40	79	16.00			0.14	20	45	105	90	44	14	0.5	71		8	17	0.50	22
95DH-136	SDv/Dc?		carb+calc sh w py bed 0.5cm, bed above poss baritic. sample 15cm thick		ck W of 453.3 116I/16	4			1		1	70	2	2.62	0.5	10	44	63	5.47			1.19	100	2	48	190	16	1	3	83		8	24	0.50	114
95DH-137	SDv/Dc?		grey shales w several thin pyritiferous horizons. sample 10cm		ck W of 453.3 116I/16	4			0.6		6	30	4	8.57	3.5	8	44	147	8.1			2.98	225	1	75	270	14	1	2	304		8	26	0.50	402
95DH-138	SDv/Dc?		carb shales w clay-weathered sulph-rich pod and thin py-rich band		ck W of 453.3 116I/16	4			0.6		12	90	4	9.95	1.5	8	22	105	5.74			3.45	270	6	62	370	14	1	3	392		8	24	0.50	192
95DH-139	SDv/Dc?		limey shale w 1-2cm horizon w 10-20% diss py		ck W of 453.3 116I/16	4			0.1		22	10	2	9.58	6.5	7	44	231	6.75			2.03	185	1	51	570	6	1	2	353		8	29	0.50	750
95DH-140	SDv/Dc?		Vcoarse cc w org-rich // + coal, hydrocarb? slicked graph planes. fetid. float		ck W of 453.3 116I/16	4			0.1		2	320	2	16.00	0.4	0.5	3	1	0.07			0.23	195	0.5	13	0.50	1	1	0.5	3600		8	14	0.50	30
95DH-155	SDv	X	rep sample of black carbonaceous siliceous platy shales. Float at base of cliff		White Fox Ck E of hway	4			0.2		26	210	1	0.84	0.4	0.5	49	51	1.04			0.06	4	79	56	150	4	2	2	63		8	636	0.50	108
95DH-157	SDv		large carb (witherite?) xtals in dk matrix, loc glomerp band. tr cp, malach. float		White Fox Ck E of hway	4			0.1		8	191000	1	3.09	12.5	0.5	34	33	0.12			0.31	40	6	57	150	1	1	0.5	2540		8	147	0.50	1240
95DH-158	SDv		V mult bands black bladed carb? in lmstn. contains coal and malach/az on fract		White Fox Ck E of hway	4			1.8		30	7680	4	12.9	4	0.5	33	167	0.09			6.08	125	0.5	16	510	1	36	0.5	1550		8	69	0.50	164
95DH-159	SDv		rusty carb grapt sh w 2 thin horizons semi-/mass py . chip 0.3m		White Fox Ck E of hway	4			1.6		34	40	2	3.07	81.5	3	74	116	2.75			1.65	70	62	182	290	18	6	3	87		8	941	0.50	900
96 DH 8	SDv	X	beige weathering limestone- baritic?	o/c	116I/16 e of hwy, White Fox Ck	4			0.1	0.32	1	1180	1	13.75	0.4	2	9	7	2.32	0.5	8	6.58	695	0.5	11	290	2	1	1	996	8	8	10	8	36
96 DH 9A	SDv	X	black shale (carb coating)	o/c	116I/16 e of hwy, White Fox Ck	4			0.4	1.1	46	40	1	6.37	3.5	7	56	72	1.51	0.5	8	1.29	95	59	179	270	8	2	4	318	8	8	488	8	374
96 DH 9B	SDv?				116I/16 e of hwy, White Fox Ck	4			0.4	0.85	26	30	1	6.08	6	6	38	49	1.27	0.5	8	1.31	80	66	205	350	8	1	4	285	8	10	595	8	474
96 DH 21A	SDv		beige baritic pod ? containing small carb xtals	s/c	116I/16 e of hwy, ck behind cam	4			0.6	0.21	14	6240	1	0.71	11	0.5	92	22	0.61	0.5	8	0.01	50	16	53	2490	2	1	1	367	8	8	691	8	400
96 DH 21B	SDv		beige limestone? w folded chert bands +cc veins	o/c	116I/16 e of hwy, ck behind cam	4			0.2	0.09	16	3610	1	9.47	6	0.5	101	127	0.36	0.5	8	0.13	85	13	39	1170	1	6	1	2640	8	8	259	8	340
96 DH 21D	SDv	X	siliceous shales, brown-orange-red weathering	o/c	116I/16 e of hwy, ck behind cam	4			1.6	0.76	40	1020	1	0.47	6	0.5	91	40	1.3	0.5	8	0.09	5	95	77	2390	12	4	5	191	8	8	2300	8	334
96 DH 22A	SDv	X	black carbonaceous graptolitic shales	o/c	116I/16 e of hwy, ck behind cam	4			0.8	0.84	46	1580	1	4.22	13	2	72	123	1.37	0.5	10	1.08	70	55	184	840	8	2	5	289	8	10	1020	8	848
96 DH 22B	SDv		thin red-rusty horizon, locally punky. beige green:desintegrated sulph	o/c	116I/16 e of hwy, ck behind cam	4			0.8	0.82	68	100	1	4.28	4.5	5	52	83	3.2	0.5	8	1.06	90	99	166	630	10	10	3	299	8	8	513	8	556
96 DH 34	SDv		med bedded laminated limestone w carbonaceous shales. Vs cc	o/c	SE 116I/8	4			0.4	0.1	22	490	1	13.85	8.5	1	39	29	0.24	0.5	10	0.78	60	10	56	350	2	4	3	1000	8	8	337	8	588
96 DH 35	SDv		semi-massive podiform py layer in grey weath shaly pyritic limestone	o/c	SE 116I/8	4			1.2	0.63	206	20	1	6.63	8.5	5	94	202	6.21	0.5	30	0.82	65	68	184	2070	26	24	3	421	8	20	1395	8	618
96 DH 36A	SDv		py pod 3-4cm thick in limy shales. sample 8 cm.	o/c	SE 116I/8	4			1.8	0.4	206	8	1	3.55	4.5	3	71	101	11	0.5	10	0.35	40	53	114	780	52	12	1	368	8	10	1135	8	456
96 DH 36B	SDv		large 8X3cm py nodule, internal banding	o/c	SE 116I/8	4			0.8	0.19	166	8	2	1.28	0.4	6	56	146	16.00	0.5	8	0.38	50	17	101	650	40	20	0.5	92	8	8	235	8	78
96 DH 40	SDv or Sd?		black med bedded pyritic chert w lam rich in py nodules. sample 35 cm	o/c	SE 116I/8	4			2.8	0.61	10	8	1	0.68	0.4	7	68	42	16.00	0.5	8	0.2	60	3	35	1080	20	6	0.5	18	8	8	26	8	34
96 DH 41A	SDv		black carbonnaceous shales with strings of small sulphide rich nodules	o/c	SE 116I/8	4			0.1	0.13	4	20	1	0.39	0.5	5	19	30	2.92	0.5	8	0.22	30	0.5	21	80	4	1	1	33	8	8	5	8	354
96 DH 41B	SDv		dolomitic limestone contains 2-3% py in irregular aggregates	o/c	SE 116I/8	4			0.1	0.37	16	20	1	9.38	0.5	5	30	32	4.78	0.5	10	5.48	640	2	17	80	12	4	4	761	8	8	24	8	52
96 DH 45	SDv	X	platy black sh w carb coating, 25 cm	o/c	SE 116I/8	4			0.1	0.45	10	120	1	1.55	2	6	29	35	1.42	0.5	8	0.16	80	24	80	530	4	2	3	169	8	8	83	8	162
96 DH 77A	SDv	X	black chert/carbonaceous graptolitic shale/black limestone 40 cm	o/c	SE 116I/8	4			0.6	0.33	38	470	1	4.4	4	1	69	61	0.9	0.5	10	0.89	50	62	176	280	6	4	3	225	8	8	692	8	480
96 DH 77B	SDv		composite sample of chert horizons w rusty pods (sulph?)	o/c	SE 116I/8	4			0.2	0.19	26	490	1	4.13	4	1	76	38	0.57	0.5	8	0.56	40	34	128	190	4	1	1	245	8	8	523	8	288
96 DM 167D	SDv?		top of limestone pod, rust rind, carb veining. 8cm	o/c	center 116I/8	4	4	1	0.1	0.56	52	40	1	12.75	20.5	7	32	70	2.53	0.5	8	0.24	150	29	293	950	4	1	3	776	8	8	116	8	514
96 DH 170A	SDv	X	i// black chert/beige-grey bedded limestone	o/c	center 116I/8	4			0.6	0.06	22	550	1	7.84	13.5	0.5	153	33	0.26	0.5	8	0.46	35	11	54	160	8	8	1	886	8	8	268	8	670
96 DH 170B	SDv		rusty grungy fract horizon w turqu to fluo green coating at limestone to chert/li	o/c	center 116I/8	15			4	0.51	1710	60	2	15	70	58	58	348	3.8	4	30	0.53	85	929	10500	5690	26	142	1	701	40	140	770	8	5980
96 DH 171	SDv	X	black carbonnaceous shale and siltier beds	o/c	center 116I/8	4			1.8	0.42	20	440	1	7.88	3.5	3	165	79	0.87	0.5	10	1.37	100	8	150	3380	8	4	4	446	8	8	175	8	626
96 DH 172	SDv		massive py bed/seam // So, up to 3-4 cmX min 10m	o/c	center 116I/8	4			4.8	0.51	160	8	1	0.96	6	5	74	79	16.00	0.5	8	0.32	35	30	70	340	28	88	0.5	19	8	8	526	8	500
96 DH 178	SDv	X	dark grey shale float patches	float	NE 116I/1	4			0.4	0.85	2	2540	1	0.14	1.5	4	62	43	1.21	0.5	10	0.19	90	1	32	310	6	1	4	22	8	8	37	8	154
96 DH 184A	SDv		flaky black grungy shale, some malach-az? coating, round vugs?	o/c	SW 116I/16	4			1.4	0.24	78	440	1	9.16	31.5	1	63	361	0.49	0.5	8	3.59	250	29	112	420	8	106	2	935	8	8	513	8	1325
96 DH 184B	SDv		black and grey banded chert, some malach coating	o/c	SW 116I/16	4			2.2	0.13	98	260	1	3.48	12	1	191	505	0.36	0.5	8	0.24	50	9	60	100	2	170	1	379	8	8	238	8	638
96 DH 184C	SDv		grungy broken up zone in sh w malach-az coating w carb or gypsum veining	o/c	SW 116I/16	4			1.8	0.73	218	70	2	4.13	30	26	58	939	1.7	0.5	8	0.79	395	37	1255	250	4	218	2	225	8	8	581	8	2340
96 DH 188A	SDv		dk graptolitic shale w thin py seam	o/c	NW 116I/16	4			0.4	0.91	50	10	1	2.49	4	7	51	45	6.12	0.5	8	0.77	80	94	154	240	12	6	2	77	8	10	504	8	338
96 DH 188B	SDv		dk graptolitic shale w band <1cm of finely diss py	o/c	NW 116I/16	4			1	1.14	46	30	1	1.13	2	7	58	56	7.12	0.5	8	0.72	90	104	152	780	16	8	3	78	8	40	594	8	216
96 DH 188C	SDv		dk graptolitic shale w graded py bed <1cm	o/c	NW 116I/16	4			3.6	1.13	112	10	2	2.35	2.5	4	107	268	11.6	0.5	8	0.43	30	54	81	2320	40	16	0.5	63	8	8	1110	8	286
96 DH 188D	SDv		dk graptolitic shale w graded py bed <1-1.5 cm thick, 2m below previous sam	o/c	NW 116I/16	4			5.6	0.9	190	10	2	0.19	0.4	5	93	210	16.00	0.5	8	0.5	40	69	214	530	38	24	0.5	6	8	8	918	8	140
96 DH 188E	SDv	X	black graptolitic shale	o/c	NW 116I/16	4			0.8	0.84	26	490	1	3.36	13	2	78	57	0.89	0.5	8	0.96	60	46	147	230	10	2	4	248	8	10	1060	8	556
96 DH 203	SDv?	X	chips of beige weathering chert and cherty shale	float	NW 116I/9	4			0.8	0.35	18	410	1	0.11	0.5	0.5	91	43	0.52	0.5	10	0.08	10	26	42	140	10	8	2	16	8	8	997	8	152
96 DH 205A	SDv	X	beige weath chert/ shale/ limestone	s/c	SW 116I/16	4			0.4	0.27	12	820	1	2.3	21	1	94	77	0.44	0.5	8	0.06	30	21	54	80	6	6	2	84	8	8	455	8	364
96 DH 206A	SDv	X	beige weathering shale/limestone/chert	f/c	CW 116I/16	4			0.2	0.52	32	590	1	0.24	17	3	93	82	0.93	0.5	10	0.04	30	74	121	420	6	8	5	48	8	8	707	8	412
96 GM 32	SDv		grey weath black argillite w barite-calcite xtals	o/c	116I/16	4			0.6	0.47	10	140000	1	8.45	16.5	0.5	73	40	0.3	0.5	8	0.17	105	5	51	2210	1	2	1	5290	8	8	242	8	304
96 GM 33	SDv		pod of black xtalline barite in grey/rusty weath chert and shale	o/c	116I/16	4			0.2	0.19	6	362000	1	9.36	24.5	0.5	23	15	0.15	0.5	8	0.04	15	3	24	540	1	1	0.5	3630	8	8	173	8	250
96 GM 34	SDv		black argillite w large euhedral barite xtals	float	116I/16	4			0.4	0.74	14	168000	1	1.47	29.5	0.5	38	50	0.48	0.5	8	0.11	55	21	140	1620	2	1	1	332	8	8	871	8	1585
96 GM 35	SDv		qtz chert breccia, slicks	float	116I/16	4			0.6	0.27	14	2460	1	1.22	8.5	0.5	303	52	0.61	0.5	8	0.7	80	12	28	410	2	1	1	55	8	8	466	8	142
96 GM 36	SDv	X	rusty weath black shales. 20 cm	o/c	116I/16	4			2.4	0.87	46	1340	1	0.13	37.5	2	86	103	1.84	0.5	8	0.11	45	132	282	260	14	6	7	32	8	20	1850	8	1885
96-KP-13	SDv		pods of sulphides up to 10 cm in black shale		116I/8	4			2	0.19	94	8	1	1.09	0.4	6	42	104	16.00	0.5	8	0.21	30	7	47	50	32	10	1	10	8	8	19	8	40
96-KP-15	SDv		pyrite/calcite pod // So in black shale		116I/8	4			2.2	0.19	16	8	1	4.22	0.4	5	47	135	16.00	0.5	8	0.12	70	8	41	1860	16	8	1	130	8	8	10	8	190
					average	9.50			1.24	0.51	75.95	13014.93	2.43	4.60	16.20	5.38	70.92	125.09	2.81	4.00	13.64	0.99	#####	53.94	271.53	1281.89	14.09	20.93	2.73	525.97		18.26	719.11		694.99
			NOTE: Highlighted values are > max values of reps		median	9.50			0.80	0.46	38.00	80.00	2.00	3.52	12.00	3.00	69.00	86.00	1.85	4.00	10.00	0.55	65.00	45.00	112.00	465.00	12.00	6.00	3.00	248.00		10.00	594.00		480.00
					min	4.00			0.20	0.06	2.00	10.00	2.00	0.11	0.50	1.00	3.00	1.00	0.07	4.00	10.00	0.01	5.00	1.00	11.00	50.00	2.00	2.00	1.00	6.00		10.00	5.00		22.00
					max	15.00			5.60	1.14	1710.00	362000.00	4.00	15.00	81.50	####	#####	939.00	11.60	4.00	30.00	6.72	#####	929.00	10500.00	33200.00	52.00	218.00	7.00	5290.00		#####	2300.00		5980.00
					standard dev	7.78			1.08	0.32	200.67	54744.80	0.85	3.91	16.77	8.00	43.71	137.33	2.78	#####	8.09	1.45	#####	109.85	1206.42	3885.62	11.08	41.83	1.50	904.64		27.41	621.13		816.77
					95th percentile	14.45			3.48	1.09	196.40	87072.00	4.00	12.80	45.80	####	#####	351.90	7.78	4.00	30.00	4.16	#####	97.00	272.20	2801.50	39.20	111.40	5.00	2570.00		38.00	1843.00		1829.00

SDv- rep samples

detection limit						5			0.2	0.01	2	10	2	15	0.5	1	1	1	15
			sample			**Au ppb**	**Pt**	**Pd**	**Ag**	**Al**	**As**	**Ba**	**Bi**	**Ca**	**Cd**	**Co**	**Cr**	**Cu**	**Fe**
sample number	Fm		description		sample location	FA+AA	ppb	ppb	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
95DH-16A	SDv? (Di)	X	rep sample: black friable limey shale, loc resistant pyritic horizon, chip 2m		RRC trib 116I/16	4			0.6		16	60	1	2.6	1	12	57	68	2.71
95DH-079	SDv	X	rep sample of black graptolitic shales		km 450 116I/16	4			0.8		26	40	1	6.27	21.5	2	58	86	0.89
95DH-085	SDv?	X	rep of platy silicceous beige weath argillite		km 419 116I/9	4			2.6		28	690	1	0.18	28.5	1	149	118	0.55
95DH-155	SDv	X	rep sample of black carbonaceous siliceous platy shales. Float at base of cliff		White Fox Ck E of hway	4			0.2		26	210	1	0.84	0.4	0.5	49	51	1.04
96 DH 8	SDv	X	beige weathering limestone/dolomite- baritic?	o/c	116I/16 e of hwy, White Fox Ck	4			0.1	0.32	1	1180	1	13.75	0.4	2	9	7	2.32
96 DH 9A	SDv	X	black shale (carb coating)	o/c	116I/16 e of hwy, White Fox Ck	4			0.4	1.1	46	40	1	6.37	3.5	7	56	72	1.51
96 DH 21D	SDv	X	siliceous shales, brown-orange-red weathering	o/c	116I/16 e of hwy, ck behind camp	4			1.6	0.76	40	1020	1	0.47	6	0.5	91	40	1.3
96 DH 22A	SDv	X	black carbonaceous graptolitic shales	o/c	116I/16 e of hwy, ck behind camp	4			0.8	0.84	46	1580	1	4.22	13	2	72	123	1.37
96 DH 45	SDv	X	platy black sh w carb coating, 25 cm	o/c	SE 116I/8	4			0.1	0.45	10	120	1	1.55	2	6	29	35	1.42
96 DH 77A	SDv	X	black chert/carbonaceous graptolitic shale/black limestone 40 cm	o/c	SE 116I/8	4			0.6	0.33	38	470	1	4.4	4	1	69	61	0.9
96 DH 170A	SDv	X	i// black chert/beige-grey bedded limestone	o/c	center 116I/8	4			0.6	0.06	22	550	1	7.84	13.5	0.5	153	33	0.26
96 DH 171	SDv	X	black carbonnaceous shale and siltier beds	o/c	center 116I/8	4			1.8	0.42	20	440	1	7.88	3.5	3	165	79	0.87
96 DH 178	SDv	X	dark grey shale float patches	float	NE 116I/1	4			0.4	0.85	2	2540	1	0.14	1.5	4	62	43	1.21
96 DH 188E	SDv	X	black graptolitic shale	o/c	NW 116I/16	4			0.8	0.84	26	490	1	3.36	13	2	78	57	0.89
96 DH 203	SDv?	X	chips of beige weathering chert and cherty shale	float	NW 116I/9	4			0.8	0.35	18	410	1	0.11	0.5	0.5	91	43	0.52
96 DH 205A	SDv	X	beige weath chert/ shale/ limestone	s/c	SW 116I/16	4			0.4	0.27	12	820	1	2.3	21	1	94	77	0.44
96 DH 206A	SDv	X	beige weathering shale/limestone/chert	f/c	CW 116I/16	4			0.2	0.52	32	590	1	0.24	17	3	93	82	0.93
					average				0.84	0.55	25.50	661.76		3.68	9.97	3.54	80.88	63.24	1.13
					median				0.60	0.45	26.00	490.00		2.60	6.00	2.00	72.00	61.00	0.93
					min				0.20	0.06	2.00	40.00		0.11	0.50	1.00	9.00	7.00	0.26
					max				**2.60**	**1.10**	**46.00**	**2540.00**		**13.75**	**28.50**	**12.00**	**165.00**	**123.00**	**2.71**
					standard dev				0.66	0.30	12.70	643.38		3.76	8.94	3.15	42.29	30.01	0.64
					95th percentile				2.04	0.95	46.00	1772.00		9.05	23.60	9.00	155.40	119.00	2.40

detection limit	0.5	10			1	1	8	2	2	1		10	10	1	10	
	Hg	**La**	**Mg**	**Mn**	**Mo**	**Ni**	**P**	**Pb**	**Sb**	**Sc**	**Sr**	**Tl**	**U**	**V**	**W**	**Zn**
sample number	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
95DH-16A			1.28	135	3	73	970	10	4	7	237		8	82	0.50	250
95DH-079			2.37	190	55	163	410	6	1	3	346		8	1175	0.50	858
95DH-085			0.06	20	42	101	170	12	14	2	24		8	1130	0.50	1040
95DH-155			0.06	4	79	56	150	4	2	2	63		8	636	0.50	108
96 DH 8	0.5	8	6.58	695	0.5	11	290	2	1	1	996	8	8	10	8	36
96 DH 9A	0.5	8	1.29	95	59	179	270	8	2	4	318	8	8	488	8	374
96 DH 21D	0.5	8	0.09	5	95	77	2390	12	4	5	191	8	8	2300	8	334
96 DH 22A	0.5	10	1.08	70	55	184	840	8	2	5	289	8	10	1020	8	848
96 DH 45	0.5	8	0.16	80	24	80	530	4	2	3	169	8	8	83	8	162
96 DH 77A	0.5	10	0.89	50	62	176	280	6	4	3	225	8	8	692	8	480
96 DH 170A	0.5	8	0.46	35	11	54	160	8	8	1	886	8	8	268	8	670
96 DH 171	0.5	10	1.37	100	8	150	3380	8	4	4	446	8	8	175	8	626
96 DH 178	0.5	10	0.19	90	1	32	310	6	1	4	22	8	8	37	8	154
96 DH 188E	0.5	8	0.96	60	46	147	230	10	2	4	248	8	10	1060	8	556
96 DH 203	0.5	10	0.08	10	26	42	140	10	8	2	16	8	8	997	8	152
96 DH 205A	0.5	8	0.06	30	21	54	80	6	6	2	84	8	8	455	8	364
96 DH 206A	0.5	10	0.04	30	74	121	420	6	8	5	48	8	8	707	8	412
average		10.00	1.00	105.94	41.31	100.00	648.24	7.41	5.00	3.35	271.06		10.00	665.59		436.71
median		10.00	0.46	65.00	44.00	80.00	290.00	8.00	4.00	3.00	225.00		10.00	636.00		374.00
min		10.00	0.04	5.00	1.00	11.00	80.00	2.00	2.00	1.00	16.00		10.00	10.00		36.00
max		**10.00**	**6.58**	**695.00**	**95.00**	**184.00**	**3380.00**	**12.00**	**14.00**	**7.00**	**996.00**		**10.00**	**2300.00**		**1040.00**
standard dev		0.00	1.59	164.49	28.96	56.97	892.76	2.81	3.49	1.62	282.76		0.00	587.38		293.39
95th percentile		10.00	3.21	316.25	83.00	180.00	2588.00	12.00	10.10	5.40	908.00		10.00	1400.00		894.40

detection limit						5			0.2	0.01	2	10	2	15	0.5	1	1	1	15	0.5	10			1	1	8	2	2	1		10	10	1	10	
			sample			Au ppb	Pt	Pd	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	La	Mg	Mn	Mo	Ni	P	Pb	Sb	Sc	Sr	Tl	U	V	W	Zn
sample number	Fm	rep	description		sample location	FA+AA	ppb	ppb	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
95DH 13B	Dc		30cm wide qtz breccia in yellow weath sil shales 042/80		km 440.9 16I/16	4			0.2		532	200	1	0.14	14.5	0.5	150	47	3.05			0.02	5	366	17	7820	2	46	24	1475		8	2610	0.50	72
95DH-017	Dc	X	1m rep of fin. bedded chert/loc shale, loc yellow and rusty weath		RRC trib 116I/16	4			0.4		4	600	1	0.11	0.4	0.5	41	5	0.38			0.03	5	24	14	20	2	1	0.5	22		8	95	0.50	8
95DH-019	Dc?/SDv?		.5 m chip of fractured shales coated w rusty and white gypsum ?		Real Rx Ck 116I/16	4			2.4		60	110	1	4.63	31	45	74	124	2.87			0.37	305	10	205	2760	20	8	6	542		10	668	0.50	1190
95DH-052	Dc?		brecciated chert in drusy qtz-cc matrix. Fx loc py. Fetid. Small black min.		from pit at km 412 116I/9	4			0.1		2	580	2	16.00	8.5	0.5	62	12	0.13			0.55	65	2	15	190	1	1	0.5	454		8	49	0.50	336
95DH-060	Dc		1m chip of rusty and yellow weathering chert. beds 2-6 cm, very friable		Cu showing ridge 116I/9	4			0.1		14	380	1	0.04	0.5	0.5	63	44	0.73			0.01	4	36	28	140	4	1	2	37		8	96	0.50	6
95DH-064	Dc breccia		Qtz brecc w Dc Fx lined w drusy qtz, yellow-green sulph staining. float		NW of km 450 116 I/16	4			0.4		4	780	1	0.02	0.4	0.5	212	4	0.56			0.01	10	15	16	180	6	1	1	64		8	117	0.50	20
95DH-065	Dc breccia		rusty breccia-vein 4cm w yel drusy qtz lining sh Fx.loc clay gouge. 090/90		NW of km 450 116 I/16	4			0.4		22	470	1	0.09	0.4	0.5	301	3	1.02			0.01	10	24	7	320	2	1	1	32		8	61	0.50	1
95DH-066	Dc fault		qtz breccia w ang sh Fx, yellow stained qtz matrix, ox fracture planes. s/c		NW of km 450 116 I/16	4			0.6		8	130	1	0.07	1.5	0.5	210	2	0.58			0	5	13	6	1290	12	2	6	241		8	201	0.50	132
95DH-067	Dc fault		rusty weath breccia w angular shale (+qtz?) Fx w limonitic cement-ferricrete?		NW of km 450 116 I/16	4			1.6		74	200	1	0.01	0.4	0.5	175	7	4.82			0.02	5	63	18	990	16	6	1	149		8	325	0.50	4
95DH-068	Dc fault		rusty porous limonitic colloform space filling material w some shale Fx		NW of km 450 116 I/16	4			0.6		4430	80	4	0	0.4	0.5	103	4	16.00			0.01	4	176	0.5	28300	8	10	8	78		10	3550	0.50	8
95DH-069	Dc fault		grey qtz breccia, quite broken up, dense, yellow alt s/c		NW of km 450 116 I/16	4			0.2		54	150	1	0.25	0.4	0.5	314	13	1.42			0	5	45	7	4390	6	10	21	1770		20	637	0.50	20
95DH-070	Dc fault		friable oxidized shales cut by network of thin drusy qtz veinlets		NW of km 450 116 I/16	15			3.4		682	220	1	0.01	0.4	0.5	206	2	3.32			0.02	5	46	5	2060	156	8	4	42		8	247	0.50	2
95DH-071	Dc fault		limonitic breccia, angular shale Fx w limonitic cement, porous. ferricrete?		NW of km 450 116 I/16	5			1		1510	130	2	0.01	0.4	0.5	93	14	14.8			0.02	5	69	5	3540	8	4	6	66		10	1615	0.50	28
95DH-072	Dc fault		grey breccia w qtz cement + yellow alt, graphitic slick planes		NW of km 450 116 I/16	4			1.2		38	200	1	0.06	0.4	0.5	113	10	2.16			0.02	4	37	22	1530	16	6	6	526		10	338	0.50	4
95DH-073	Dc fault		Vq w drusy qtz around shale Fx, lt geen mineral ap? 1m min thick 115 deg		NW of km 450 116 I/16	4			0.8		6	770	1	0	4.5	0.5	348	16	0.41			0	10	7	6	210	16	1	2	108		8	37	0.50	276
95DH-074	Dc		punky porous pink-red weath sandstone w interst orange clay material		NW of km 450 116 I/16	4			0.2		184	590	1	0.02	0.4	1	177	55	4.58			0	5	20	41	2140	2	6	26	285		8	317	0.50	112
95DH-075	Dc breccia		brecciated shales in qtz matrix, some drusy. 295/80. dk purple hem? stain		NW of km 450 116 I/16	4			0.6		22	550	1	0.12	0.4	0.5	216	25	0.89			0.01	5	68	21	1680	18	2	4	550		10	318	0.50	12
95DH-076	Dc		conc vein-fault, yellow clay stained white qtz w ang sh Fx, graph slick planes		NW of km 450 116 I/16	4			0.2		6	330	1	0.06	0.4	0.5	196	9	0.63			0	5	26	8	600	2	1	1	177		8	135	0.50	4
95DH-080	Dc	X	rep of carbonaceous shales some yellow staining. sulphur smell. chip 1.3m		km 440.9 116I/16	4			0.8		8	1050	1	0.02	1	0.5	52	47	0.24			0.03	4	19	24	80	4	2	2	36		8	427	0.50	20
95DH-081	Dc vein		Qtz-cc vein, loc drusy// wall, w shale Fx. 0.15m, 062/56. cc fills vug-late		km 439 116I/16	4			0.2		28	290	1	0.01	0.4	0.5	254	47	0.55			0	5	16	16	170	1	2	0.5	23		8	149	0.50	12
95DH-082	Dc	X	rep of grey weath + yellow stained platy shales		km 439 116I/16	4			1.6		12	590	1	0.15	1.5	0.5	42	103	0.7			0.02	5	38	40	230	4	1	3	94		8	230	0.50	102
95DH-083	Dc fault		fault gouge: kaolinite pods w sh Fx cut by qtz veining. 085/52		km 439 116I/16	4			0.2		68	110	1	0.17	2.5	0.5	91	139	0.97			0.01	15	109	113	1790	2	8	17	585		20	388	0.50	186
95DH-084	Dc?	X	rep of grey and black banded chert		km 419 116I/9	4			0.2		4	210	1	0	0.5	0.5	238	14	0.34			0	5	11	19	30	1	1	0.5	15		8	81	0.50	14
95DH-126	Dc?	X	grey brown weathering platy limestone? w i/bedded dk grey-black chert. float		from km 440.9 116I/16	4			0.6		14	760	1	0.32	7	0.5	168	66	0.43			0.04	10	31	59	1340	4	4	3	106		8	1200	0.50	278
95DH-141	Dc?	X	platy shales w yellow weathering. chip 0.5m		ck W of 453.3 116I/16	4			0.2		14	490	1	0.44	1	1	78	48	0.81			0.32	5	70	95	1150	4	1	3	66		8	993	0.50	126
95DH-156	Dc		grey weath dk grey chert/sil sh. carb coating on weathered surface		White Fox Ck E of hway	4			1.8		26	760	2	1.74	52.5	1	113	69	0.46			0.14	20	50	135	880	2	10	3	287		8	1755	0.50	2460
95DH-15A	Dc/SDv? fault		2m chip in brecc. limonitic calcareous shale w thin Vq cc and 8cm Vcc		RRC trib 116I/16	4			0.6		48	30	1	8.95	9	11	52	78	3.77			0.89	215	32	166	1610	14	6	4	516		10	290	0.50	654
95DH-15B	Dc/SDv? fault		*rusty calcite vein Fx in black matrix. in fault sampled above*		RRC trib 116I/16	4			0.1		4	220	1	16.00	1.5	1	5	13	0.27			0.15	395	1	21	80	1	2	0.5	901		8	26	0.50	128
95DH-161	Dc	X	rep sample of yellow and rusty weathering chert.		White Fox Ck E of hway	4			0.2		6	520	1	0.08	0.4	0.5	174	8	0.62			0.04	10	22	21	60	2	1	1	26		8	111	0.50	10
95DH-162	Dc		finely banded limestone ? w 2% coarse framboidal py (ricochet sample)		White Fox Ck E of hway	4			0.1		2	7110	1	16.00	2	0.5	18	6	0.24			0.54	85	2	26	260	1	1	0.5	1255		8	37	0.50	84
95DH-163	Dc	X	rep sample of yellow and rusty weath sil sh (+chert). chip 0.4m		White Fox Ck E of hway	4			0.6		4	860	1	0.16	0.4	0.5	57	19	0.41			0.04	5	25	31	90	2	1	1	20		8	328	0.50	10
95DH-171	Dc?		hematitically altered argillite		SE of km 440.9 116I/16	4			0.2		1	850	1	0.31	0.5	0.5	27	6	0.2			0.02	10	0.5	3	150	1	1	0.5	6		8	6	0.50	44
95DH-185	Dc		layer of decomposed Rx or soil gouge w/in sil shales. incl crumbly rusty mat		E of AC p/out 116I/9	4			0.8		260	510	1	0.69	3	0.5	191	301	2.27			0.32	10	27	162	1560	10	14	20	180		40	441	0.50	168
96 DH 10	Dc		rusty sh chips and rusty soil near ferricrete in stream	float	116I/16 NW of hwy N of campground	4			0.6	0.67	38	130	1	0.01	0.4	0.5	32	24	4.25	0.5	8	0.03	5	17	8	710	16	1	6	37	8	8	99	8	14
96 DH 11A	Dc?		orange powder/slime on creek bank covering vegetation		116I/16 NW of hwy N of campground	4			0.1	0.03	1080	30	1	0.01	0.4	4	22	1	16.00	0.5	8	0	4	80	4	2220	10	1	0.5	6	8	8	685	8	30
96 DH 11B	Dc?		orange powder/slime on creek bank covering vegetation		116I/16 NW of hwy N of campground	4			0.1	0.04	976	30	1	0	1	4	20	1	16.00	0.5	8	0	4	64	3	1850	10	1	0.5	3	8	10	606	8	28
96 DH 13F	Dc?		red+yellow weath sil + brecciated "shale" w qtz in drusy pods +veinlets		116I/16 terra cotta showing=95DH-69	4			0.2	0.13	8	550	1	0.07	0.4	0.5	306	1	0.61	0.5	8	0.04	15	7	4	100	28	1	0.5	30	8	8	23	8	1
96 DH 165A	Dc		dk grey weath loc yellow, thin platy siliceous shales. 25cm	o/c	center 116I/8	4			0.6	0.43	6	320	1	0.36	0.4	0.5	50	1	0.18	0.5	8	0.08	4	13	16	10	8	4	0.5	12	8	8	134	8	6
96 DH 165B	Dc		crumbly rusty siliceous shale in vertical fault trace (25cm)	o/c	center 116I/8	4			0.6	0.55	30	120	1	0.05	0.4	2	39	6	2.88	0.5	8	0.03	4	20	23	310	8	6	2	40	8	8	168	8	62
96 DH 166	Dc	X	dk grey blue w loc yellow weath thin to med bedded chert w sil shale interbeds	o/c	center 116I/8	4			0.1	0.16	2	300	1	0.07	0.4	0.5	125	2	0.27	0.5	8	0.01	5	11	8	10	4	1	0.5	8	8	8	31	8	2
96 DH 167A	Dc	X	yellow weathering chert	o/c	center 116I/8 at Ni/S?	10	4	2	0.4	0.48	60	170	1	0.04	0.4	0.5	104	7	1.84	0.5	8	0.04	5	142	565	220	8	1	1	100	10	8	226	8	14
96 DH 17	Dc	X	platy siliceous shales		116I/16 e of hwy, ck behind camp	4			0.8	0.54	6	720	1	0.04	0.4	0.5	60	2	0.19	0.5	8	0.04	4	14	14	40	6	2	1	24	8	8	212	8	4
96 DH 175	Dc?	X	rx chips of grey (some yellow) weath platy and blocky siliceous shales	s/c	NE 116I/1	4			0.4	0.49	6	580	1	0.05	0.4	0.5	58	23	0.46	0.5	8	0.04	10	6	14	30	2	2	1	9	8	8	181	8	6
96 DH 184D	Dc vein		boulder in scree slope, orange weath mass qtz vein+siliceous breccia, small Rx fx +sl vuggy	float	SW 116I/16	4			0.1	0.01	2	2250	1	0.12	1	0.5	339	9	0.35	0.5	8	0.03	25	0.5	8	170	2	1	0.5	6	8	8	5	8	40
96 DH 184E	Dc vein		boulder in scree slope, orange weath mass qtz vein+siliceous breccia, small Rx fx +sl vuggy	float	SW 116I/16	4			0.1	0.11	26	1010	1	16.00	4.5	1	16	60	0.26	0.5	8	4.06	250	4	83	290	14	18	0.5	1350	8	10	79	8	200
96 DH 185	Dc		pale brown weath banded dolom? limestone pod or bed , incl some repla. chert blebs// lam	o/c	SW 116I/16	4			0.1	0.05	20	460	1	12.9	2.5	0.5	41	5	0.22	0.5	8	8.86	705	5	15	180	14	4	0.5	1485	8	8	126	8	114
96 DH 187A	Dc?/SDv?	X	bluish to dk grey, loc rusty and yellow weath platy shales	o/c	NW 116I/16	4			0.6	1.41	26	750	1	0.71	0.5	2	138	75	1.84	0.5	10	0.68	30	54	70	2910	6	8	7	161	8	8	1640	8	232
96 DH 190	Dc		co-dolom vein in fault in Dc? chert	o/c	NW 116I/16	4			0.1	0	22	680	1	16.00	6.5	0.5	10	33	0.11	0.5	8	6.66	825	1	7	30	14	12	0.5	2240	8	10	51	8	120
96 DH 191	Dc		baritic limestone? pod (dolomitic)	o/c	NW 116I/16	4			0.1	0.34	30	2870	1	12.6	10	0.5	40	33	0.39	0.5	8	8.94	370	13	22	420	14	6	0.5	1315	8	8	433	8	282
96 DH 2	Dc	X	yellow weath platy sil sh	o/c	116I/16 e of hwy, White Fox Ck	4			1.2	0.58	12	200	1	0.07	0.4	0.5	39	3	0.59	0.5	8	0.04	15	26	9	40	8	1	1	15	8	8	69	8	2
96 DH 204	Dc	X	yellow weathering bluish fractured chert	o/c	NW 116I/9	4			0.1	0.49	26	270	1	0.1	0.4	0.5	157	16	0.39	0.5	8	0.01	5	24	14	1030	2	2	6	195	8	8	197	8	10
96 DH 205B	Dc	X	siliceous shale and yellow weathering chert		SW 116I/16	4			0.1	0.24	6	700	1	0.12	0.4	0.5	106	19	0.64	0.5	8	0.03	5	13	27	60	4	2	0.5	52	8	8	83	8	38
96 DH 205C	Dc		*finely fractured and qtz veined chert- siliceous breccia*	float	SW 116I/16	4			0.4	0.1	4	200	1	0.01	0.4	0.5	306	16	0.42	0.5	8	0.01	10	6	7	70	1	1	0.5	20	8	8	51	8	1
96 DH 205D	Dc/Sdv?	X	carbonaceous shales and chert w carbonaceous shaly partings	o/c	SW 116I/16	4			0.2	0.22	2	600	1	0.01	0.4	0.5	109	42	0.21	0.5	8	0.01	4	17	19	80	2	1	0.5	25	8	8	169	8	2
96 DH 206B	Dc	X	yellow weathering siliceous shale and thin chert		CW 116I/16	4			0.1	0.33	8	980	1	0.02	0.5	0.5	49	20	0.56	0.5	8	0.02	4	28	16	110	4	2	1	43	8	8	217	8	12
96 DH 32	Dc	X	yellow grey weath thin platy siliceous shales	o/c	SE 116I/8	4			0.2	0.43	6	460	1	0.08	0.4	0.5	68	0.5	0.2	0.5	8	0.04	4	14	18	10	4	1	0.5	8	8	8	197	8	2
96 DH 3A	Dc?		earthy red weath, bleached grey sh	float	116I/16 e of hwy, White Fox Ck	4			0.1	0.72	8	2000	1	0.04	0.4	0.5	40	3	0.64	0.5	8	0.05	5	10	1	40	16	1	1	78	8	8	117	8	1
96 DH 3B	Dc?		red-maroon weath porous sil rx	float	116I/16 e of hwy, White Fox Ck	4			0.1	0.06	2	1740	1	0.01	0.4	0.5	154	8	1.64	0.5	8	0	105	15	6	30	2	1	0.5	109	8	8	80	8	2
96 DH 3C	Dc?		red weath dk blocky sil chert? w ox-filled poros	float	116I/16 e of hwy, White Fox Ck	4			0.1	0.1	6	810	1	0.03	0.5	0.5	229	11	0.68	0.5	8	0	15	13	8	40	2	1	0.5	51	8	8	89	8	16
96 DH 4	Dc		fault breccia with clay balls	o/c	116I/16 e of hwy, White Fox Ck	4			0.1	16.00	34	100	1	0.24	7	4	219	34	1.43	0.5	8	0	5	62	214	5710	1	4	37	3240	8	150	1105	8	628
96 DH 44	Dc	X	6cm grey sil shales+10cm rusty weath blocky chert	o/c	SE 116I/8	4			1.4	0.54	8	540	1	0.04	0.4	0.5	102	33	0.43	0.5	8	0.04	5	16	23	250	12	6	2	64	8	8	262	8	12
96 DH 59	Dc or SDv?		dark rusty weathering vuggy chert breccia w cht clasts thinly rimmed by qtz (orange coating)	float	SE 116I/1	4			0.1	0.18	44	2430	1	0.01	0.4	3	132	98	5.57	0.5	8	0	10	127	8	700	14	10	3	13	8	8	1035	8	28
96 DH 6	Dc? vein		30 cm folded qtz-cc vein w slicks +angular sh Fx	o/c	116I/16 e of hwy, White Fox Ck	4			0.2	0.15	10	220	1	7.5	18.5	1	172	50	0.36	0.5	20	0.05	165	16	58	60	2	1	1	139	8	8	393	8	1395
96 DH 71A	Dc		sil shales w pods of light orange Rx, rimmed by banded limonite, clay and black gouge	o/c	SE 116I/8	4			0.1	2.3	340	240	1	3.56	7	10	165	161	7.37	0.5	8	1.81	305	45	87	1280	8	6	10	296	8	8	1085	8	342
96 DH 71B	Dc		rusty green and clayey grunge at top of limestone pod or bed	o/c	SE 116I/8	4			0.1	1.44	70	30	1	8.6	4	15	42	53	3.59	0.5	8	0.07	300	16	79	620	12	2	3	239	8	8	210	8	196
96 DH 71C	Dc	X	siliceous shale	o/c	SE 116I/8	4			0.2	0.47	8	190	1	0.03	0.4	0.5	41	1	0.24	0.5	8	0.02	4	9	6	20	8	1	0.5	9	8	8	55	8	2
96 DH 72A	Dc (/Di)		busted up shale above nodular horizon	o/c	SE 116I/8	4			0.1	0.77	52	120	1	0.85	0.4	3	35	35	3.13	0.5	8	0.04	10	9	34	690	24	2	12	42	8	8	112	8	66
96 DH 72B	Dc (/Di)		sulphide-rich rim of nodule w host shale (4cm of each)	o/c	SE 116I/8	4			0.1	3.68	50	8	2	1.27	0.4	13	74	129	16.00	0.5	8	0.91	265	1	89	1410	16	6	16	37	8	8	310	8	334
96 DH 72C	Dc (/Di)		massive nodular sulphide	o/c	SE 116I/8	4			0.1	0.38	12	8	2	0.5	0.4	6	48	44	16.00	0.5	8	0.01	5	0.5	50	50	22	4	0.5	10	8	8	11	8	6
96 DH-33A	Dc	X	grey+yellow weath med bedded chert. sample 20cm thick	o/c	SE 116I/8	8	4	1	0.2	0.23	2	290	1	0.01	0.4	0.5	152	2	0.24	0.5	8	0.01	5	16	28	40	2	1	0.5	10	8	8	145	8	2
96 DH-42C	Dc		rusty weathering chert		SE 116I/8	4	4	1	0.1	0.28	4	260	1	0.01	0.4	1	145	9	0.5	0.5	8	0.01	15	24	60	160	6	1	0.5	37	8	8	164	8	8
96 HR-11	Dc	X	fractured chert, loc banded	X	66 01.01, 136 07.24	4			0.2	0.16	24	300	1	0	0.4	0.5	147	20	1.66	0.5	8	0	5	117	6	160	6	14	0.5	4	8	8	689	8	8
96 HR-46A	Dc-Sd?		Fe gossan in stream. rusty rx chips		66 11.98, 136 12.27	4			0.2	0.29	6	180	1	0.03	0.4	0.5	48	14	4.19	0.5	8	0.01	35	11	11	100	4	1	0.5	3	8	8	107	8	58
96 HR-46B	Dc?	X	black chert			4			0.1	0.15	12	220	1	0	0.4	1	152	17	0.99	0.5	8	0.01	15	17	21	50	2	1	0.5	4	8	8	67	8	6
96-KP-1A	Dc	X	well bedded rusty weathering black chert. 50 cm		116I/9	4			0.4	0.25	1	140	1	0.03	0.4	0.5	97	4	0.31	0.5	8	0.03	5	19	22	30	8	1	0.5	11	8	8	90	8	4
96-KP-1B	Dc	X	shale. 20 cm		116I/9	4			1.8	0.47	12	240	1	0.05	0.4	0.5	23	1	0.2	0.5	8	0.05	4	139	79	10	22	6	1	21	10	8	137	8	2
96-KP-2	Dc	X	black fissile siliceous shale. 15cm		116I/9	4			0.4	0.42	6	210	1	0.07	0.4	0.5	40	1	0.16	1	8	0.04	4	10	18	8	10	1	0.5	7	8	8	82	8	2
96-KP-9	Dc		qtz vein w minor diss py		116I/8	4			0.6	0.16	1	400	1	0.02	0.4	0.5	176	4	0.36	0.5	8	0.03	15	12	11	30	6	4	0.5	14	8	8	63	8	10
DC/SDv contact	**Limestone ball and ball bearing unit: setting for Nick-type horizon**																																		
96 DH 33B	Dc/SDv		rusty, pyritic bedded limestone pod	o/c	SE 116I/8	6	4	1	0.1	0.15	8	960	1	16.00	0.5	1	8	12	0.51	0.5	8	0.32	155	7	44	460	1	1	0.5	1150	8	8	51	8	76
96 DH 33C	Dc/SDv		greenish weath busted up shale with grey pyritic baritic nodules	o/c	SE 116I/8	12	15	10	0.2	0.96	84	60	1	0.05	0.4	1	39	17	1.19	0.5	8	0.08	20	132	274	480	8	8	3	80	20	8	264	8	16
96 DH 33D	Dc/SDv		greenish weath busted up shale with grey pyritic baritic nodules ?	o/c	SE 116I/8	4	4	1	0.1	0.27	18	30	1	0.13	0.4	0.5	39	10	1.86	0.5	8	0.02	5	12	41	120	2	1	0.5	52	8	8	51	8	16
96 DH 42A	Dc/SDv		ball-bearing unit: small barite nodules		SE 116I/8	4			0.5	0.21	8	16860	8	0.05	4	4	8	4	0.86	8		0.02	8	4	4	100	15	8	4	545	10	10	20	10	4
96 DH 42B	Dc/SDv		'ball-bearing unit: sample of whole horizon: nodules and shales		SE 116I/8	6	4	1	0.2	0.77	30	50	1	0.01	0.4	0.5	31	4	1.33	0.5	8	0.07	4	24	70	110	2	6	1	95	8	8	137	8	6
96 DH 42D	**Dc/SDv ni-sulph**		**black weath, loc recessive, 1.5 to 4 cm thick bed of disrupted sulphide laminae. Wavy base**	o/c	SE 116I/8	64	155	92	1.6	0.44	4310	8	1	0.04	0.4	120	77	190	16.00	11	8	0.03	40	1985	47000	350	38	106	0.5	83	240	10	129	8	716
96 DH 42E	**Dc/SDv ni-sulph**		**black weath, loc recessive, 1.5 to 4 cm thick bed of disrupted sulphide laminae. Wavy base**	o/c	SE 116I/8	70	150	90	1.2	0.25	4010	8	1	0.09	0.5	127	47	165	16.00	14	8	0.01	4	1895	48300	520	34	92	0.5	77	200	10	86	8	660
96 DH 42F	**Dc/SDv ni-sulph**		**black weath, loc recessive, 1.5 to 4 cm thick bed of disrupted sulphide laminae. Wavy base**	o/c	SE 116I/8	176	290	192	2	0.32	4060	8	1	0.03	0.4	83	168	155	16.00	13	8	0.01	40	1960	46800	330	36	96	0.5	54	190	8	99	8	258
96 DH 42G	**Dc/SDv ni-sulph**		**black weath, loc recessive, 1.5 to 4 cm thick bed of disrupted sulphide laminae. Wavy base**	o/c	SE 116I/8	80	195	114	2	0.44	3150	8	1	0.03	0.4	72	127	143	14.8	14	8	0.03	4	2320	42200	270	32	100	0.5	49	150	10	155	8	220
96 DH 42H	Dc/SDv		rusty weathering grey pyritic limestone w start of baritic replacement nodules	o/c	SE 116I/8	4	10	4	0.1	0.18	40	50	1	16.00	10.5	2	35	25	0.76	1	8	0.42	135	25	398	670	2	8	0.5	870	8	10	56	8	154
96 DH 167B	**Dc**		**top of (busted up) siliceous shale- some green leached material. no vis sulph. 3-4cm**	o/c	center 116I/8	150	225	142	2.8	1.3	218	40	1	0.24	1	3	109	15	2.29	2	8	0.12	20	417	3560	150	26	20	3	67	70	8	359	8	54
96 DH 167C	Dc		whole of (busted up) shale horizon, includes few flat and disc-shaped barite nodules. 20 cm	o/c	center 116I/8	22	30	22	1	0.88	80	60	1	0.14	0.5	1	62	11	1.44	0.5	8	0.08	5	223	439	110	20	10	1	60	30	8	382	8	42
96 DH 168A	Dc		at contact between shale and chert: thin limestone band 3-6cm	o/c	center 116I/8	32	25	14	0.1	0.46	280	790	1	11.65	10	5	49	146	4.61	0.5	10	1.38	410	206	146	540	6	8	8	753	40	8	146	8	182
96 DH 168B	Dc/Sdv?		top of (busted) shale horizon w barite nodules	o/c	center 116I/8	14	4	2	0.8	0.62	116	230	1	0.04	0.4	0.5	24	5	0.84	0.5	8	0.05	4	106	37	260	16	26	1	37	10	8	272	8	10
96 DH 168C	Dc/Sdv		**top of shale horiz: vuggy, very light earthy dull brown w wavy laminations. Sinter? algal lam? cold spring?**	o/c	center 116I/8	188	185	110	3.4	0.51	984	220	1	0.04	1	0.5	55	9	1.13	3	8	0.05	4	184	5	460	28	70	1	41	10	8	264	8	20

Dc- all samples

96 DH 169A	Dc/Sdv		blue siliceous shale w barite nodules: 20 cm	o/c	center 116I/8	48	60	42	1	0.58	110	70	1	0.73	0.4	0.5	49	4	0.91	1	8	0.05	4	96	73	380	12	14	1	107	50	8	218	8	46
96 DH 169B	Dc/Sdv		**comp sample of alt, fract+veined lim w po/py finely diss along laminae, as wispy lam and blebs**	**o/c**	**center 116I/8**	**42**	**60**	**26**	**0.1**	**0.2**	**370**	**10**	**1**	**12.85**	4	**18**	18	65	**7.46**	**0.5**	**10**	**0.25**	**150**	**186**	**3840**	**2400**	6	12	7	786	20	10	86	**8**	**386**
96 DH 169C	Dc/Sdv		**limestone w some po mineralization, approx 2/3 of total bed**	**o/c**	**center 116I/8**	**15**			**0.1**	**0.3**	**260**	**20**	**2**	**14.2**	4.5	**15**	23	54	**5.65**	**0.5**	**10**	**0.71**	**190**	**163**	**3450**	**2810**	16	**16**	7	757	10	10	119	**8**	**436**
96 DH 169D	Dc/Sdv		**composite sample of mineralized limestone bed , less po than in b**	**o/c**	**center 116I/8**	**34**	**60**	**20**	**0.1**	**0.23**	**312**	**10**	**1**	**10.4**	5	**17**	37	66	**7.24**	**1**	**10**	**0.22**	**150**	**163**	**3100**	**2160**	6	12	5	609	10	8	79	**8**	**308**
					average	43.87	112.31	58.80	0.81	0.49	319.38	717.91	2.29	1.43	5.94	17.50	107.06	37.76	1.78	6.10	11.67	0.49	81.80	138.57	2137.77	1069.79	11.83	15.38	5.82	295.13	66.88	19.40	339.60		157.42
					median	15.00	60.00	26.00	0.60	0.34	22.00	290.00	2.00	0.07	2.50	3.50	75.50	16.00	0.68	2.50	10.00	0.04	10.00	24.00	22.00	255.00	8.00	6.00	3.00	64.00	25.00	10.00	149.00		28.00
					min	4.00	10.00	2.00	0.20	0.01	2.00	10.00	2.00	0.01	0.50	1.00	5.00	1.00	0.11	1.00	10.00	0.01	5.00	1.00	1.00	10.00	2.00	2.00	1.00	3.00	10.00	8.00	5.00		2.00
					max	188.00	290.00	192.00	3.40	3.68	4430.00	16860.00	4.00	14.20	52.50	127.00	348.00	301.00	14.80	14.00	20.00	8.94	825.00	2320.00	48300.00	28300.00	156.00	106.00	37.00	3240.00	240.00	150.00	3550.00		2460.00
					standard dev	55.51	92.28	60.04	0.78	0.57	921.08	1919.68	0.76	3.50	9.53	32.95	84.22	52.00	2.64	6.03	4.08	1.60	154.89	413.17	9299.27	3075.08	17.79	25.27	7.42	534.39	79.98	31.57	538.17		338.53
					95th percentile	173.40	251.00	157.00	2.38	1.40	2166.00	2125.00	3.40	11.46	18.50	95.95	302.25	148.70	6.60	14.00	17.50	1.77	377.50	386.40	3644.00	3067.50	30.60	92.60	21.75	1375.00	210.00	45.50	1283.00		656.70
					90th percentile	136.00	219.00	130.80	1.80	0.87	652.00	980.00	2.80	6.64	10.50	63.90	217.50	115.60	4.59	14.00	15.00	0.70	286.00	182.40	422.60	2190.00	22.60	32.00	16.50	882.40	195.00	22.00	810.60		341.40

detection limit						5			0.2	0.01	2	10	2	15	0.5	1	1	1	15	0.5	10			1	1	8	2	2	1		10	10	1	10	
			sample			**Au ppb**	**Pt**	**Pd**	**Ag**	**Al**	**As**	**Ba**	**Bi**	**Ca**	**Cd**	**Co**	**Cr**	**Cu**	**Fe**	**Hg**	**La**	**Mg**	**Mn**	**Mo**	**Ni**	**P**	**Pb**	**Sb**	**Sc**	**Sr**	**Tl**	**U**	**V**	**W**	**Zn**
sample number	Fm	rep	description		sample location	FA+AA	ppb	ppb	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
95DH-017	Dc	X	1m rep of fin. bedded chert/loc shale, loc yellow and rusty weath		RRC trib 116I/16	4			0.4		4	600	1	0.11	0.4	0.5	41	5	0.38			0.03	5	24	14	20	2	1	0.5	22		8	95	0.50	8
95DH-080	Dc	X	rep of carbonaceous shales some yellow staining. sulphur smell. chip 1.3m		km 440.9 116I/16	4			0.8		8	1050	1	0.02	1	0.5	52	47	0.24			0.03	4	19	24	80	4	2	2	36		8	427	0.50	20
95DH-082	Dc	X	rep of grey weath + yellow stained platy shales		km 439 116I/16	4			1.6		12	590	1	0.15	1.5	0.5	42	103	0.7			0.02	5	38	40	230	4	1	3	94		8	230	0.50	102
95DH-084	Dc?	X	rep of grey and black banded chert		km 419 116I/9	4			0.2		4	210	1	0	0.5	0.5	238	14	0.34			0	5	11	19	30	1	1	0.5	15		8	81	0.50	14
95DH-126	Dc?	X	grey brown weathering platy limestone? w i/bedded dk grey-black chert. float		from km 440.9 116I/16	4			0.6		14	760	1	0.32	7	0.5	168	66	0.43			0.04	10	31	59	1340	4	4	3	106		8	1200	0.50	278
95DH-141	Dc?	X	platy shales w yellow weathering. chip 0.5m		ck W of 453.3 116I/16	4			0.2		14	490	1	0.44	1	1	78	48	0.81			0.32	5	70	95	1150	4	1	3	66		8	993	0.50	126
95DH-161	Dc	X	rep sample of yellow and rusty weathering chert.		White Fox Ck E of hway	4			0.2		6	520	1	0.08	0.4	0.5	174	8	0.62			0.04	10	22	21	60	2	1	1	26		8	111	0.50	10
95DH-163	Dc	X	rep sample of yellow and rusty weath sil sh (+chert). chip 0.4m		White Fox Ck E of hway	4			0.6		4	860	1	0.16	0.4	0.5	57	19	0.41			0.04	5	25	31	90	2	1	1	20		8	328	0.50	10
96 DH 166	Dc	X	dk grey blue w loc yellow weath thin to med bedded chert w sil shale interbeds	o/c	center 116I/8	4			0.1	0.16	2	300	1	0.07	0.4	0.5	125	2	0.27	0.5	8	0.01	5	11	8	10	4	1	0.5	8	8	8	31	8	2
96 DH 17	Dc	X	platy siliceous shales		116I/16 e of hwy, ck behind camp	4			0.8	0.54	6	720	1	0.04	0.4	0.5	60	2	0.19	0.5	8	0.04	4	14	14	40	6	2	1	24	8	8	212	8	4
96 DH 175	Dc?	X	rx chips of grey (some yellow) weath platy and blocky siliceous shales	s/c	NE 116I/1	4			0.4	0.49	6	580	1	0.05	0.4	0.5	58	23	0.46	0.5	8	0.04	10	6	14	30	2	2	1	9	8	8	181	8	6
96 DH 187A	Dc?/SDv?	X	bluish to dk grey, loc rusty and yellow weath platy shales	o/c	NW 116I/16	4			0.6	1.41	26	750	1	0.71	0.5	2	138	75	1.84	0.5	10	0.68	30	54	70	2910	6	8	7	161	8	8	1640	8	232
96 DH 2	Dc	X	yellow weath platy sil sh	o/c	116I/16 e of hwy, White Fox Ck	4			1.2	0.58	12	200	1	0.07	0.4	0.5	39	3	0.59	0.5	8	0.04	15	26	9	40	8	1	1	15	8	8	69	8	2
96 DH 204	Dc	X	yellow weathering bluish fractured chert	o/c	NW 116I/9	4			0.1	0.49	26	270	1	0.1	0.4	0.5	157	16	0.39	0.5	8	0.01	5	24	14	1030	2	2	6	195	8	8	197	8	10
96 DH 205B	Dc	X	siliceous shale and yellow weathering chert		SW 116I/16	4			0.1	0.24	6	700	1	0.12	0.4	0.5	106	19	0.64	0.5	8	0.03	5	13	27	60	4	2	0.5	52	8	8	83	8	38
96 DH 205D	Dc/Sdv?	X	carbonaceous shales and chert w carbonaceous shaly partings	o/c	SW 116I/16	4			0.2	0.22	2	600	1	0.01	0.4	0.5	109	42	0.21	0.5	8	0.01	4	17	19	80	2	1	0.5	25	8	8	169	8	2
96 DH 206B	Dc	X	yellow weathering siliceous shale and thin chert		CW 116I/16	4			0.1	0.33	8	980	1	0.02	0.5	0.5	49	20	0.56	0.5	8	0.02	4	28	16	110	4	2	1	43	8	8	217	8	12
96 DH 32	Dc	X	yellow grey weath thin platy siliceous shales	o/c	SE 116I/8	4			0.2	0.43	6	460	1	0.08	0.4	0.5	68	0.5	0.2	0.5	8	0.04	4	14	18	10	4	1	0.5	8	8	8	197	8	2
96 DH 44	Dc	X	6cm grey sil shales+10cm rusty weath blocky chert	o/c	SE 116I/8	4			1.4	0.54	8	540	1	0.04	0.4	0.5	102	33	0.43	0.5	8	0.04	5	16	23	250	12	6	2	64	8	8	262	8	12
96 DH 71C	Dc	X	siliceous shale	o/c	SE 116I/8	4			0.2	0.47	8	190	1	0.03	0.4	0.5	41	1	0.24	0.5	8	0.02	4	9	6	20	8	1	0.5	9	8	8	55	8	2
96 DH-33A	Dc	X	grey+yellow weath med bedded chert. sample 20cm thick	o/c	SE 116I/8	8	4	1	0.2	0.23	2	290	1	0.01	0.4	0.5	152	2	0.24	0.5	8	0.01	5	16	28	40	2	1	0.5	10	8	8	145	8	2
96 HR-11	Dc	X	fractured chert, loc banded	X	66 01.01, 136 07.24	4			0.2	0.16	24	300	1	0	0.4	0.5	147	20	1.66	0.5	8	0	5	117	6	160	6	14	0.5	4	8	8	689	8	8
96 HR-46B	Dc?	X	black chert			4			0.1	0.15	12	220	1	0	0.4	1	152	17	0.99	0.5	8	0.01	15	17	21	50	2	1	0.5	4	8	8	67	8	6
96-KP-1A	Dc	X	well bedded rusty weathering black chert. 50 cm		116I/9	4			0.4	0.25	1	140	1	0.03	0.4	0.5	97	4	0.31	0.5	8	0.03	5	19	22	30	8	1	0.5	11	8	8	90	8	4
96-KP-1B	Dc	X	shale. 20 cm		116I/9	4			1.8	0.47	12	240	1	0.05	0.4	0.5	23	1	0.2	0.5	8	0.05	4	139	79	10	22	6	1	21	10	8	137	8	2
96-KP-2	Dc	X	black fissile siliceous shale. 15cm		116I/9	4			0.4	0.42	6	210	1	0.07	0.4	0.5	40	1	0.16	1	8	0.04	4	10	18	8	10	1	0.5	7	8	8	82	8	2
					average	8.00			0.60	0.42	9.52	491.15		0.12	1.71	1.33	96.65	23.64	0.52	1.00	10.00	0.07	8.33	30.38	27.50	315.20	5.36	4.55	2.36	40.58	10.00		307.23		35.23
					median	8.00			0.40	0.43	8.00	505.00		0.07	1.00	1.00	87.50	17.00	0.40	1.00	10.00	0.04	5.00	19.00	20.00	60.00	4.00	2.00	1.50	21.50	10.00		175.00		8.00
					min	8.00			0.20	0.15	2.00	140.00		0.01	0.50	1.00	23.00	1.00	0.16	1.00	10.00	0.01	5.00	6.00	6.00	10.00	2.00	2.00	1.00	4.00	10.00		31.00		2.00
					max	**8.00**			**1.80**	**1.41**	**26.00**	**1050.00**		**0.71**	**7.00**	**2.00**	**238.00**	**103.00**	**1.84**	**1.00**	**10.00**	**0.68**	**30.00**	**139.00**	**95.00**	**2910.00**	**22.00**	**14.00**	**7.00**	**195.00**	**10.00**		**1640.00**		**278.00**
					standard dev				0.50	0.29	6.96	262.61		0.16	2.36	0.58	55.54	26.54	0.42			0.14	6.42	32.11	22.94	656.87	4.42	3.80	1.95	48.89			394.02		71.56
					95th percentile	8.00			1.60	0.70	25.60	950.00		0.43	5.35	1.90	172.50	73.20	1.49	1.00	10.00	0.28	17.25	105.25	76.75	1302.00	11.60	11.00	6.35	147.25	10.00		1148.25		205.50

detection limit						5	-		0.2	0.01	2	10	2	15	0.5	1	1	1	15	0.5	10			1	1	8	2	2	1		10	10	1	10	
			sample			**Au ppb**	**Pt**	**Pd**	**Ag**	**Al**	**As**	**Ba**	**Bi**	**Ca**	**Cd**	**Co**	**Cr**	**Cu**	**Fe**	**Hg**	**La**	**Mg**	**Mn**	**Mo**	**Ni**	**P**	**Pb**	**Sb**	**Sc**	**Sr**	**Tl**	**U**	**V**	**W**	**Zn**
sample number	Fm	rep	description		sample location	FA+AA	ppb	ppb	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
95DH-7	Di		slicked qtz(also drusy) on coarse brown sandstone		km 403.7 116I/9	4			0.1		6	130	1	0.09	0.4	8	185	14	3.39			0.24	180	1	35	410	4	1	2	12		8	32	0.50	88
95DH-14	Di		20-30cm wide limonitic fault breccia in shale, gtz-carb (-gyps?) veinlets		Real Rx Ck 116I/16	4			0.1		12	110	1	6.66	**2.5**	**139**	54	70	5.55			1.36	4330	2	**413**	260	10	1	9	338		8	62	0.50	**916**
95DH-043	Di	X	composite chip of crumbly grey (waxy) shale. 0.53m		km 403.7 116I/9 S of AC	4			0.1		6	400	1	0.23	0.4	18	49	68	3.7			0.84	235	2	58	580	16	1	7	62		8	89	0.50	160
95DH-044	Di	X	composite chip of rusty weath grey siltstone. 0.63m		km 403.7 116I/9 S of AC	4			0.1		8	400	1	0.23	1	18	94	37	4.39			0.72	175	2	69	650	18	1	5	42		8	92	0.50	292
95DH-045	Di	X	composite chip of grey green rusty shale (some thin sstone).1.5m		116I/9 N of AC	4			0.1		20	450	1	0.25	0.4	8	46	38	3.67			0.51	100	2	38	410	30	1	6	53		8	77	0.50	110
95DH-046	Di	X	composite chip of rusty weath grey siltstone . 0.27m		116I/9 N of AC	4			0.1		6	160	1	0.24	0.5	14	43	43	3.85			0.68	155	1	93	620	6	1	5	17		8	53	0.50	228
95DH-047	Di	X	composite chip of rusty weath grey green shale. 0.81m		116I/9 N of AC	4			0.1		24	230	1	0.1	0.4	13	41	37	3.9			0.59	150	1	46	430	**34**	1	6	27		8	50	0.50	92
95DH-048	Di	X	composite chip of rusty weathering of grey siltstone. 0.52m		116I/9 N of AC	4			0.1		4	160	1	0.18	0.5	13	55	38	4.51			0.86	220	0.5	47	570	2	1	5	16		8	56	0.50	180
95DH-077	Di		Friable rusty weath shale and siltstone chip 2m		YTG campground 116I/16	4			0.2		16	330	1	0.04	0.4	7	55	42	4.63			0.64	140	3	32	480	18	1	8	23		8	48	0.50	88
95DH-196	Di		rusty weathering sand/siltstone		Heli-recce	4			0.1		1	40	1	0.04	0.4	0.5	**324**	2	0.32			0	10	0.5	4	20	1	1	0.5	2		8	3	0.50	2
95DH-198	Di?		slightly brown -oxidized clean sandstone		Heli-recce	4			0.1		4	350	1	0.18	0.4	9	117	20	1.82			0.22	420	0.5	26	820	8	2	3	23		8	40	0.50	98
96 DH 89	Di	X	light grey,orange weathering siltstone w muscovite on fracture planes i/b w friable grey shale	sluff	CE 116I/1 Canyon Ck	4			0.1	2.15	10	310	1	0.15	0.5	13	85	15	3.77	0.5	8	0.64	125	0.5	48	460	16	2	4	15	8	8	49	8	118
96 DH 150A	Di	X	brown and rusty weath sandstone + grey weath shale, carb mat on So	sl/c	NE 118I/8	4			0.1	1.88	12	390	2	0.38	0.4	14	57	42	5.77	0.5	8	0.51	545	2	58	480	12	2	8	48	8	8	47	8	178
96 DH 164	Di	X	grey brown weathering fractured shales w rusty podiform siltstone beds. 35cm	o/c	center 116I/8	4			0.2	1.38	18	450	1	1.88	0.5	18	29	55	4.57	0.5	8	0.62	400	**10**	89	400	16	2	10	78	8	8	55	8	270
96 DH 186	Di	X	disc shaped siltstone nodules in friable shale i//w rusty weath siltstone	o/c	SW 116I/16	4			0.1	2.77	8	240	2	0.72	**5.5**	11	27	17	16.00	0.5	8	2.15	3920	0.5	49	750	14	8	18	37	8	8	61	8	156
96 KP-3A	Di		pyritic nodules		116I/9	4			0.1	3.15	1	160	1	1.45	2	8	34	21	16.00	0.5	8	3.19	1745	1	113	560	1	1	23	88	8	8	**124**	8	268
96 KP-3B	Di	X	broken up shales		116I/9	4			0.2	1.14	1	390	1	0.29	1.5	10	18	62	2.61	0.5	8	0.22	30	3	61	650	14	1	6	86	8	8	25	8	306
96 KP-4	Di		very rusty weath fissile shale, small scale faults		116I/9	4			0.1	3.03	4	280	1	0.12	0.4	20	46	94	11.2	0.5	8	1.12	1015	2	**129**	560	12	2	12	27	8	8	61	8	414
96 KP-5	Di/Dc		fault contact, py in pods and as wisps		116I/9	**20**			5.6	0.11	134	8	1	5.01	1.5	6	45	**149**	16.00	1	8	0.07	50	**4**	73	**3440**	**156**	**20**	1	169	8	8	14	8	242
96 KP-8A	Di	X	black shale . 20cm. near contact w Dc	o/c	116I/8	4			0.2	1.69	26	860	1	0.12	0.4	5	30	37	2.83	0.5	8	0.49	50	2	35	460	**34**	1	6	119	8	8	34	8	120
96 KP-8B	Di		pyritic siltstone nodules. near contact w Dc	o/c	116I/8	4			0.2	1.01	1	590	1	1.33	3.5	13	25	22	16.00	0.5	8	2.59	2520	0.5	56	**1740**	4	2	14	91	8	8	49	8	562
96 HR-4	Di	X	i/bedded orange weathering black shale and fg sandstone			4			0.1	0.88	12	**2020**	1	0.14	0.5	8	163	22	2.3	0.5	8	0.25	75	4	93	350	8	1	3	53	8	8	31	8	180
96 HR-5	Di	X	rusty siltstone	float	116 I/1, 66 08.61, 136 12.49	4			0.1	1.31	2	920	1	0.1	0.4	5	59	52	2.62	0.5	8	0.25	60	5	21	280	6	1	3	22	8	8	37	8	80
96 HR-33A	Di?	X	folded thick bedded sandstone/shale			4			0.1	1.19	2	400	1	0.72	0.4	10	98	29	1.72	0.5	8	0.71	90	1	44	400	8	1	4	26	8	8	31	8	146
96 HR-33B	Di?	X	folded thick bedded sandstone/shale			4			0.1	0.7	8	150	1	0.18	0.4	4	209	10	2.64	0.5	8	0.22	35	1	22	380	6	1	1	11	8	8	24	8	52
96 HR-36	Di?	X	white weathering limestone?		66 36.53, 136 28.29	4			0.1	1.18	2	130	1	0.74	0.4	8	111	19	2.18	0.5	8	0.65	95	0.5	37	370	8	1	3	20	8	8	48	8	130
96 HR-37	Di	X				4			0.1	1.03	4	430	1	0.4	0.5	8	152	31	2.06	0.5	8	0.43	100	1	42	540	8	1	2	20	8	8	51	8	166
96 HR-38	Di	X	some rusty		66 41.84, 136 33.11	4			0.1	0.19	6	70	1	0.03	0.4	5	159	6	1.74	0.5	8	0.04	70	0.5	15	150	4	1	0.5	10	8	8	14	8	58
96 HR-41	Di	X			66 36.96, 136 24.97	4			0.1	1.16	6	460	1	0.07	0.5	6	62	43	2.2	0.5	8	0.27	40	1	27	480	10	1	5	19	8	8	32	8	138
96 HR-51A	Di	X	thick bedded siltstone/sandstone/shale		6628.42, 136 22.78	4			0.1	0.99	4	340	1	0.49	0.5	9	126	27	5.34	0.5	8	0.51	310	1	38	640	10	1	4	29	8	8	31	8	172
96 HR-51B	Di	X				4			0.1	1.86	6	440	1	0.61	0.5	24	47	72	5.71	0.5	8	0.69	560	1	59	690	16	1	7	39	8	8	48	8	216
96 DH 150B	Di?		clean sandstone w wisps of dk org mat. carbon parting due to fault? loc slicked	o/c	NE 118I/8	4			0.2	0.13	1	80	1	0.84	0.4	1	**287**	6	0.35	0.5	8	0.04	20	0.5	7	80	2	1	0.5	26	8	8	7	8	14
					average				0.97	1.38	13.70	382.90	2.00	0.75	1.38	14.61	91.63	38.75	3.55	1.00		0.72	561.56	2.30	61.78	597.19	17.00	5.00	6.55	51.50			46.09		195.00
					median				0.20	1.18	6.00	340.00	2.00	0.24	0.50	9.00	56.00	37.00	3.53	1.00		0.59	145.00	2.00	46.50	480.00	10.00	2.00	5.00	27.00			48.00		158.00
					min				0.20	0.11	2.00	40.00	2.00	0.03	0.50	1.00	18.00	2.00	0.32	1.00		0.04	10.00	1.00	4.00	20.00	2.00	2.00	1.00	2.00			3.00		2.00
					max				5.60	3.15	134.00	2020.00	2.00	6.66	5.50	139.00	324.00	149.00	11.20	1.00		3.19	4330.00	10.00	413.00	3440.00	156.00	20.00	23.00	338.00			124.00		916.00
					standard dev				2.04	0.86	24.92	366.92	0.00	1.42	1.42	23.66	75.70	29.55	2.11			0.72	1074.66	2.03	70.32	593.34	27.55	6.41	4.98	63.63			25.20		173.93
					95th percentile				3.98	3.03	25.40	890.00	2.00	3.29	4.00	22.00	244.10	81.90	5.75	1.00		2.37	3150.00	4.90	120.20	1234.00	34.00	15.80	16.40	141.50			90.35		480.60

DImperial- rep samples

detection limit						5			0.2	0.01	2	10	2	15	0.5	1	1	1	15	0.5	10			1	1	8	2	2	1		10	10	1	10	
			sample			Au ppb	Pt	Pd	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	La	Mg	Mn	Mo	Ni	P	Pb	Sb	Sc	Sr	Ti	U	V	W	Zn
sample number	Fm	rep	description		sample location	FA+AA	ppb	ppb	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
95DH-043	Di	X	composite chip of crumbly grey (waxy) shale. 0.53m		km 403.7 116I/9 S of AC	4			0.1		6	400	1	0.23	0.4	18	49	68	3.7			0.84	235	2	58	580	16	1	7	62		8	89	0.50	160
95DH-044	Di	X	composite chip of rusty weath grey siltstone. 0.63m		km 403.7 116I/9 S of AC	4			0.1		8	400	1	0.23	1	18	94	37	4.39			0.72	175	2	69	650	18	1	5	42		8	92	0.50	292
95DH-045	Di	X	composite chip of grey green rusty shale (some thin sstone).1.5m		116I/9 N of AC	4			0.1		20	450	1	0.25	0.4	8	46	38	3.67			0.51	100	2	38	410	30	1	6	53		8	77	0.50	110
95DH-046	Di	X	composite chip of rusty weath grey siltstone . 0.27m		116I/9 N of AC	4			0.1		6	160	1	0.24	0.5	14	43	43	3.85			0.68	155	1	93	620	6	1	5	17		8	53	0.50	228
95DH-047	Di	X	composite chip of rusty weath grey green shale. 0.81m		116I/9 N of AC	4			0.1		24	230	1	0.1	0.4	13	41	37	3.9			0.59	150	1	46	430	**34**	1	6	27		8	50	0.50	92
95DH-048	Di	X	composite chip of rusty weathering of grey siltstone. 0.52m		116I/9 N of AC	4			0.1		4	160	1	0.18	0.5	13	55	38	4.51			0.86	220	0.5	47	570	2	1	5	16		8	56	0.50	180
96 DH 89	Di	X	light grey,orange weathering siltstone w muscovite on fracture planes i/b w friable grey shale	sluff	CE 116I/1 Canyon Ck	4			0.1	2.15	10	310	1	0.15	0.5	13	85	15	3.77	0.5	8	0.64	125	0.5	48	460	16	2	4	15	8	8	49	8	118
96 DH 150A	Di	X	brown and rusty weath sandstone + grey weath shale, carb mat on So	sl/c	NE 118I/8	4			0.1	1.88	12	390	2	0.38	0.4	14	57	42	5.77	0.5	8	0.51	545	2	58	480	12	2	8	48	8	8	47	8	178
96 DH 164	Di	X	grey brown weathering fractured shales w rusty podiform siltstone beds. 35cm	o/c	center 116I/8	4			0.2	1.38	18	450	1	1.88	0.5	18	29	55	4.57	0.5	8	0.62	400	**10**	89	400	16	2	10	78	8	8	55	8	270
96 DH 186	Di	X	disc shaped siltstone nodules in friable shale i//w rusty weath siltstone	o/c	SW 116I/16	4			0.1	2.77	8	240	2	0.72	**5.5**	11	27	17	16.00	0.5	8	2.15	3920	0.5	49	750	14	8	18	37	8	8	61	8	156
96 KP-3B	Di	X	broken up shales		116I/9	4			0.2	1.14	1	390	1	0.29	1.5	10	18	62	2.61	0.5	8	0.22	30	3	61	650	14	1	6	86	8	8	25	8	306
96 KP-8A	Di	X	black shale . 20cm. near contact w Dc	o/c	116I/8	4			0.2	1.69	26	860	1	0.12	0.4	5	30	37	2.83	0.5	8	0.49	50	2	35	460	**34**	1	6	119	8	8	34	8	120
96 HR-4	Di	X	i/bedded orange weathering black shale and fg sandstone			4			0.1	0.88	12	**2020**	1	0.14	0.5	8	163	22	2.3	0.5	8	0.25	75	4	93	350	8	1	3	53	8	8	31	8	180
96 HR-5	Di	X	rusty siltstone	float	116 I/1, 66 08.61, 136 12.49	4			0.1	1.31	2	920	1	0.1	0.4	5	59	52	2.62	0.5	8	0.25	60	5	21	280	6	1	3	22	8	8	37	8	80
96 HR-33A	Di?	X	folded thick bedded sandstone/shale			4			0.1	1.19	2	400	1	0.72	0.4	10	98	29	1.72	0.5	8	0.71	90	1	44	400	8	1	4	26	8	8	31	8	146
96 HR-33B	Di?	X	folded thick bedded sandstone/shale			4			0.1	0.7	8	150	1	0.18	0.4	4	209	10	2.64	0.5	8	0.22	35	1	22	380	6	1	1	11	8	8	24	8	52
96 HR-36	Di?	X	white weathering limestone?		66 36.53, 136 28.29	4			0.1	1.18	2	130	1	0.74	0.4	8	111	19	2.18	0.5	8	0.65	95	0.5	37	370	8	1	3	20	8	8	48	8	130
96 HR-37	Di	X				4			0.1	1.03	4	430	1	0.4	0.5	8	152	31	2.06	0.5	8	0.43	100	1	42	540	8	1	2	20	8	8	51	8	166
96 HR-38	Di	X	some rusty		66 41.84, 136 33.11	4			0.1	0.19	6	70	1	0.03	0.4	5	159	6	1.74	0.5	8	0.04	70	0.5	15	150	4	1	0.5	10	8	8	14	8	58
96 HR-41	Di	X			66 36.96, 136 24.97	4			0.1	1.16	6	460	1	0.07	0.5	6	62	43	2.2	0.5	8	0.27	40	1	27	480	10	1	5	19	8	8	32	8	138
96 HR-51A	Di	X	thick bedded siltstone/sandstone/shale		6628.42, 136 22.78	4			0.1	0.99	4	340	1	0.49	0.5	9	126	27	5.34	0.5	8	0.51	310	1	38	640	10	1	4	29	8	8	31	8	172
96 HR-51B	Di	X				4			0.1	1.86	6	440	1	0.61	0.5	24	47	72	5.71	0.5	8	0.69	560	1	59	690	16	1	7	39	8	8	48	8	216
					average				0.2	1.344	9.238	445.5	2	0.375	1.0417	11	80	36.36	3.432			0.5841	342.73	2.3529	49.5	488	13.45	3.5	5.62	38.6			47.05		161
					median				0.2	1.185	6	395	2	0.235	0.5	10	58	37	3.67			0.55	112.5	2	46.5	470	11	2	5	28			48		158
					min				0.2	0.19	2	70	2	0.03	0.5	4	18	6	1.72			0.04	30	1	15	150	2	2	1	10			14		52
					max				0.2	1.344	9.238	445.5	2	0.375	1.0417	11	80	36.36	3.432			0.5841	342.73	2.3529	49.5	488	13.45	3.5	5.62	38.6			47.05		161
					standard dev				0	0.615	7.085	408.1	0	0.402	1.4375	5.21	52.71	17.96	1.278			0.4134	813.66	2.2897	21.93	146	8.991	3	3.51	27.8			20.07		69.2
					95th percentile				0.2	2.305	24.1	920	2	0.74	3.3	18	163	62	5.713			0.86	560	6.25	93	690	34	7.1	10.4	86			77		292

sample number	Fm	rep	sample description		sample location	Au ppb FA+AA	Pt ppb	Pd ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm
detection limit						5			0.2	0.01	2	10	2	15	0.5
95DH-038	Ct	X	rep of conglomerate w limonitic coating on fractures		km 395.6 116I/10	4			0.1		1	360	1	0.01	0.4
95DH-039	Ct		pervasively limonitic Tuttle cgl		km 395.6 116I/10	4			0.1		34	450	1	0	0.4
95DH-040	Ct	X	clean sandstone w sl. weath surfaces, some chert Fx-rich laminae s/c		km 393.3 116I/10	4			0.1		1	150	1	0	0.4
95DH-041	Ct		pervasively altered med to c.g. sandstone w altern rgs of hem/lim (nod?) float		km 393.3 116I/10	4			0.1		18	60	1	0	0.4
95DH-042	Ct	X	clean c.g. clast to matr (sand to fg cgl) supp cgl w elongate chert pebbles s/c		km 393.3 116I/10	4			0.1		4	240	1	0.01	0.4
95DH-186	Ct	X	orange coated chert cgl and sandstone. float		Heli-recce	4			0.1		8	10	1	0.13	0.4
95DH-190	Ct		orange clay-stained sandstone		Heli-recce	4			0.1		10	20	2	0.66	0.4
95DH-192	Ct	X	slightly oxidized sandstone+cgl. float		Heli-recce	4			0.1		4	400	1	0.01	0.4
95DH-193	Ct		oxidized fg cgl.float		Heli-recce	4			0.1		**230**	10	1	0.41	0.4
96 DH 92	Ct		f+c.g. sandstone w rusty seams, clay Fx and tr shiny black ox?		C+SE 116I/7 Wolverine ck down Corbett Hill	4			0.1	1.56	4	380	1	0.13	0.4
96 DH 93B	Ct	X	greenish f to c.g. sandstone to cgl		C+SE 116I/7 Wolverine ck down Corbett Hill	4			0.1	0.22	6	**1250**	1	0.04	0.4
96 DH 93C	Ct		yellow rusty weath greenish m.g. sandstone w liesegang bands w tr py clots and gp blebs		C+SE 116I/7 Wolverine ck down Corbett Hill	4			0.2	0.9	28	310	1	0.02	0.4
96 DH 94	Ct-Cf	X	i/b grey maroon shale and lt green maroon weath clean sandstone w small dk specs	o/c	C+SE 116I/7 Wolverine ck down Corbett Hill	4			0.1	0.62	4	390	1	0.05	0.4
96 DH 95	Ct-Cf		dk grey, maroon weath sh i/b w siliceous siltstonen nodular and pyritic	o/c	C+SE 116I/7 Wolverine ck down Corbett Hill	4			0.1	0.6	36	380	1	1.13	0.4
96 DH 98	Ct?		coarse sandstone w pod of f to cg py on So	float	C+SE 116I/7 Wolverine ck down Corbett Hill	4			0.1	1.04	24	30	1	0.04	0.4
96 DH 99	Ct	X	Tuttle cgl	sl/c	CE 116I/7 E of highway, S of Eagle River	4			0.1	0.17	6	450	1	1.42	0.5
96 HR-18	Ct		red soil sample below Ct		66 29.79, 136 36.83	4			0.1	1.13	18	1080	1	0	0.4
96 HR-22	Ct	X	f.g. sandstone		66 30.44	4			0.1	0.25	6	700	1	0.01	0.4
96 HR-24	Ct	X	orange weathering		66 33.56, 136 55.02	4			0.1	0.58	2	950	1	0	0.4
96 HR-25	Ct	X	orange weathering		66 34.69, 136 53.71	4			0.1	0.29	4	460	1	0	0.4
96 HR-26	Ct	X			66 32.80, 136 52.16	4			0.1	0.55	2	980	1	0.02	0.5
96 HR-27	Ct?	X				4			0.1	0.21	8	790	1	0	0.4
96 HR-28	Ct	X			66 33.51, 136 46.16	4			0.1	0.61	1	320	1	0	0.4
96 HR-30	Ct?		rusty slump?		66 34.55, 136 40.05	4			0.1	0.29	6	**1260**	1	0.04	0.4
96 HR-40A	Ct	X	very coarse grained rusty cgl		66 43.09, 136 42.16	4			0.1	0.2	6	470	1	0	0.4
96 HR-40B	Ct	X	non rusty Ct		66 42.87, 136 41.99	4			0.1	0.12	1	180	1	0	0.4
96 HR-42	Ct	X			66 28.85, 136 28.66	4			0.1	0.16	1	210	1	0	0.4
96 HR-43	Ct	X			66 23.10, 136 35.18	4			0.1	0.18	1	100	1	0	0.4
96 HR-53	Ct/Cf	X	rusty Di at contact		66 26.63, 136 29.18	4			0.1	0.67	1	100	1	0.05	0.4
96 HR-58	Ct	X			66 19.46, 136 25.04	4			0.1	0.31	12	640	1	0.01	0.4
96 HR-59	Ct in Cf	X	rusty cgl		66 19.39, 136 26.99	4			0.1	0.27	1	480	1	0	0.4
96 HR-60	Ct in Cf	X	rusty cgl			4			0.1	0.44	12	610	1	0	0.4
					average				0.20	0.49	20.50	444.38	2.00	0.23	0.50
					median				0.20	0.31	7.00	385.00	2.00	0.04	0.50
					min				0.00	0.12	2.00	30.00	0.00	0.01	0.50
					max				0.20	1.56	230.00	1260.00	2.00	1.42	0.50
					standard dev					0.37	45.71	356.27		0.42	0.00
					95th percentile				0.20	1.12	35.70	1156.50	2.00	1.17	0.50

sample number	Co ppm	Cr ppm	Cu ppm	Fe ~ %	Hg ppm	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
detection limit	1	1	1	15	0.5	10			1	1	8	2	2	1		10	10	1	10	
95DH-038	0.5	235	7	0.5			0	5	1	3	140	2	1	0.5	24		8	37	8	6
95DH-039	3	**330**	21	5.55			0.01	40	1	37	2910	2	1	4	57		8	128	8	134
95DH-040	0.5	112	1	0.28			0.01	5	0.5	1	120	1	1	0.5	22		8	16	8	4
95DH-041	6	91	**197**	16.00			0	35	0.5	70	620	2	1	9	13		8	**235**	8	**484**
95DH-042	0.5	233	1	0.46			0.01	5	0.5	3	340	2	1	0.5	35		8	19	8	2
95DH-186	4	29	29	2.27			0.23	20	7	40	140	16	1	5	33		8	52	8	48
95DH-190	7	33	51	10.75			1.14	1405	2	36	900	12	2	7	40		8	69	8	120
95DH-192	0.5	132	7	2.26			0.01	10	0.5	2	120	2	1	1	17		8	32	8	14
95DH-193	17	63	27	7.79			0.36	60	4	**97**	950	**32**	2	5	58		8	122	8	152
96 DH 92	1	197	13	3.36	0.5	8	0.22	10	0.5	15	810	8	1	3	13	8	8	64	8	70
96 DH 93B	3	**275**	6	0.89	0.5	8	0.03	25	0.5	11	170	4	1	0.5	22	8	8	12	8	58
96 DH 93C	4	135	19	3.01	0.5	8	0.13	25	3	19	70	10	1	2	27	8	8	33	8	92
96 DH 94	4	211	13	0.96	0.5	8	0.09	20	0.5	17	260	6	1	2	14	8	8	25	8	116
96 DH 95	5	51	27	16.00	0.5	8	0.67	505	0.5	16	2190	28	1	4	81	8	8	69	8	70
96 DH 98	4	109	11	5.69	0.5	8	0.17	5	3	23	340	16	1	1	5	8	8	46	8	48
96 DH 99	5	9	4	16.00	0.5	8	1.16	290	0.5	11	1640	12	1	0.5	88	8	10	24	8	64
96 HR-18	0.5	21	26	3.36	0.5	8	0.06	5	4	3	140	16	1	3	27	8	8	42	8	18
96 HR-22	0.5	169	9	0.94	0.5	8	0.01	5	0.5	6	180	2	1	1	27	8	8	14	8	44
96 HR-24	0.5	84	9	0.53	0.5	8	0.05	5	0.5	7	60	6	1	1	25	8	8	18	8	24
96 HR-25	0.5	186	6	0.99	0.5	8	0.01	10	0.5	3	230	6	1	0.5	39	8	8	17	8	10
96 HR-26	1	144	16	0.63	0.5	8	0.09	15	0.5	11	200	6	1	1	18	8	8	21	8	50
96 HR-27	0.5	159	10	1.43	0.5	8	0.01	5	0.5	3	170	6	1	0.5	27	8	8	17	8	16
96 HR-28	0.5	105	10	0.41	0.5	8	0.05	5	0.5	8	100	6	1	1	29	8	8	17	8	18
96 HR-30	1	127	6	1.46	0.5	8	0.03	25	1	10	200	6	1	0.5	36	8	8	16	8	40
96 HR-40A	0.5	233	14	0.8	0.5	8	0.01	10	1	4	110	4	1	0.5	26	8	8	27	8	6
96 HR-40B	0.5	201	1	0.25	0.5	8	0	10	0.5	3	70	2	1	0.5	12	8	8	10	8	1
96 HR-42	0.5	177	2	0.85	0.5	8	0	15	0.5	3	80	4	1	0.5	13	8	8	11	8	2
96 HR-43	0.5	162	2	0.31	0.5	8	0.01	15	0.5	3	60	2	1	0.5	7	8	8	17	8	4
96 HR-53	1	163	4	0.95	0.5	8	0.01	15	0.5	18	280	2	1	1	18	8	8	17	8	68
96 HR-58	0.5	184	6	1.44	0.5	8	0.01	20	0.5	3	1460	6	1	0.5	96	8	8	44	8	6
96 HR-59	0.5	198	7	0.74	0.5	8	0.02	5	0.5	4	90	4	1	0.5	20	8	8	13	8	10
96 HR-60	0.5	139	10	0.71	0.5	8	0.03	5	2	4	70	8	1	0.5	17	8	8	18	8	8
average	4.40	146.78	17.88	2.05			0.17	82.34	2.64	15.44	475.63	7.74	2.00	3.00	30.81		10.00	40.69		58.26
median	4.00	151.50	9.50	0.95			0.03	12.50	2.00	7.50	175.00	6.00	2.00	2.00	25.50		10.00	22.50		40.00
min	1.00	9.00	1.00	0.25			0.01	5.00	1.00	3.00	60.00	2.00	0.00	1.00	5.00		10.00	10.00		2.00
max	17.00	330.00	197.00	10.75			1.16	1405.00	7.00	97.00	2910.00	32.00	2.00	9.00	96.00		10.00	235.00		484.00
standard dev	3.96	76.18	34.39	2.49			0.31	260.73	1.86	21.01	680.27	7.35	0.00	2.40	22.46			45.86		89.64
95th percentile	10.00	253.00	38.90	6.95			0.98	386.75	5.50	53.50	1887.50	22.00	2.00	7.40	84.15		10.00	124.70		143.00

detection limit						5			0.2	0.01	2	10	2	15	0.5	1	1	1	15	0.5	10			1	1	8	2	2	1		10	10	1	10	
			sample			**Au ppb**	**Pt**	**Pd**	**Ag**	**Al**	**As**	**Ba**	**Bi**	**Ca**	**Cd**	**Co**	**Cr**	**Cu**	**Fe**	**Hg**	**La**	**Mg**	**Mn**	**Mo**	**Ni**	**P**	**Pb**	**Sb**	**Sc**	**Sr**	**Tl**	**U**	**V**	**W**	**Zn**
sample number	Fm	rep	description		sample location	FA+AA	ppb	ppb	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
96 HR-32	Cf?	X	slump rx		66 35.42, 136 36.27	4			0.1	0.19	8	940	1	0	0.4	0.5	150	9	1	0.5	8	0.01	15	1	8	150	4	1	0.5	18	8	8	14	8	30
96 HR-44	Cf	X	black shale i/bedded w sandstone		66 22.96, 136 35.11	4			0.4	1.58	20	410	1	0.06	0.4	7	52	37	3.73	0.5	8	0.16	45	0.5	28	660	18	1	4	33	8	8	80	8	142
96 HR-52A	Cf	X				4			0.1	1.17	1	**1340**	1	0.62	0.5	7	89	19	2.1	0.5	8	0.53	115	0.5	34	420	8	1	4	41	8	8	34	8	126
96 HR-52B	Cf	X				4			0.1	1.7	8	400	1	0.13	0.4	12	63	45	2.76	0.5	8	0.48	105	2	51	360	16	1	5	22	8	8	44	8	198
96 HR-54A	Cf	X	black shale w rusty nodules		66 26.57, 136.29.89	4			0.2	2.65	14	480	1	0.04	0.4	6	50	33	4.18	0.5	8	0.39	30	0.5	39	140	20	1	5	26	8	8	89	8	126
96 HR-54B	Cf	X				4			0.1	0.65	20	100	1	0.03	0.4	1	140	6	1.63	0.5	8	0.11	10	0.5	10	60	2	1	1	7	8	8	34	8	44
96 HR-55	Cf	X			66 25.87, 136 31.21	4			0.1	1.28	32	130	1	1.34	0.4	7	54	18	9.86	0.5	8	0.65	160	1	27	**3520**	18	1	4	90	8	8	87	8	124
96 HR-56	Cf	X	unconsolidated material		66 20.56, 136 22.14	4			0.1	0.7	48	330	1	0	0.4	1	14	23	5.8	0.5	8	0.05	4	**31**	6	380	20	1	3	23	8	8	41	8	38
96 HR-57	Cf	X			66 18.04, 136 18.88	4			0.1	0.9	16	220	1	0.22	0.4	1	21	60	5.98	0.5	8	0.27	130	6	12	220	12	1	6	37	8	8	43	8	26
96 HR-6A	Cf	X			66 08.09, 136 15.09	4			0.1	1	16	360	1	0.06	0.4	3	23	34	1.14	0.5	8	0.12	15	6	34	150	14	1	4	47	8	8	26	8	80
96 HR-8	Cf	X	maroon weath dk grey flimsy shale w pinch and swell beds of f.g. sandstone	o/c	66 06.74, 136 16.23	4			0.4	1.92	18	430	1	0.03	0.4	4	72	23	4.47	0.5	8	0.24	25	0.5	37	260	14	1	3	22	8	8	**109**	8	172
96 HR-9	Cf	X	rusty sandstone, folded		66 06.23, 136 17.65	4			0.1	0.38	4	110	1	0.28	0.4	7	90	14	5.77	0.5	8	0.19	310	0.5	23	370	8	1	5	20	8	8	46	8	104
					average				0.333	1.18	18.55	437.5		0.281	0.5	5.091	68.2	26.8	4.04			0.27	87.3	7.833	25.8	557.5	12.8		4	32.17			53.9		100.8
					median				0.4	1.09	16	380		0.095	0.5	6	58.5	23	3.96			0.22	45	4	27.5	310	14		4	24.5			43.5		114
					min				0.2	0.19	4	100		0.03	0.5	1	14	6	1			0.01	10	1	6	60	2		1	7			14		26
					max				**0.4**	**2.65**	**48**	**1340**		**1.34**	**0.5**	**12**	**150**	**60**	**9.86**			**0.65**	**310**	**31**	**51**	**3520**	**20**		**6**	**90**			**109**		**198**
					standard dev				0.115	0.7	12.33	363.3		0.414	#DIV/0!	3.448	43.5	15.7	2.57			0.2	91.2	11.58	14.2	947.1	6.12		1.34	21.27			29.6		57.4
					95th percentile				0.4	2.25	40	1120		1.016	0.5	9.5	145	51.8	7.73			0.58	235	24.75	44.4	1947	20		5.5	66.35			98		183.7

sample number	Fm	rep	sample description		sample location
95DH-061	Dss		fin band friable yel to grey weath grey shale w ox band cut by disc Vcarb?2m		3.5 km N of lodge116I/7
95DH-187	Dus?		yellow weathering crumbly grey shale w white and blue clay gouge		Heli-recce
95DH-188	Dus	X	rusty brown loc yellow weath grey shale		Heli-recce
95DH-191	Dus	X	soft grey shale, nodular siltstone		Heli-recce
96 DH 100	Dus or Dss	X	unconsolidated blue grey, yellow weathering flaky shale	sl/c	CE 116I/7 E of highway, S of Eagle River
96 DH 103A	Dus or Dss	X	grey, loc yellow eath fractured shale	sl/c	CE 116I/7 E of highway, S of Eagle River
96 DH 103B	Dus		composite sample of rusty-orange weathering shale/siltstone chips	sl/c	CE 116I/7 E of highway, S of Eagle River
96 DH 104	Dss or Ct	?	blocky orange-red weath siltstone	float	CE 116I/7 E of highway, S of Eagle River
96 DH 105	Dus		clay altered, fractured grey-black greasy shales, loc yellow weath, one rusty fract siltst bed	o/c	NE 116I/7, w of highway, S of bridge
96 DH 207	Dus	X	chips of grey weathering shale	sluff	NE 116I/7
96 DH 93A	Dus?	X	rusty weath greenish f.g. sandstn 2-5cm i/b w grey weath blocky shale		C+SE 116I/7 Wolverine ck down Corbett Hill
96 DH 96A	Dus	X	thin platy grey-blue, yellow weath sh/sandstone. some graded beds, sulph smell. 25cm	o/c	C+SE 116I/7 Wolverine ck down Corbett Hill
96 DH 96B	Dus		layer of nodular light grey pyritic siltstone w masss and diss sulph bands and core. bedded	o/c	C+SE 116I/7 Wolverine ck down Corbett Hill
96 DH 96C	Dus		composite sample of sulph-rich siltstone- banded (bedded) and podiform	o/c	C+SE 116I/7 Wolverine ck down Corbett Hill
96 DH-102	Dus or Dss		trail of rusty desintegrated rock	sl/c	CE 116I/7 E of highway, S of Eagle River
96 HR-16	Dus?	X			66 27.24, 136 43.20
96 HR-17	Dus?	X			66 28.14, 136 42.36
96 HR-19	Dus	X			66 30.39, 136 44.93
96 HR-20	Dus	X			66 29.38, 136 52.88
96 HR-21	Dus		orange gossany chips		66 30.43, 136 53.88
96 HR-23A	Dus?	X			66 30.19, 136 51.92
96 HR-23B	Dus?	X	rusty		66 30.19, 136 51.92
96 HR-29	Dus	X	yellow weath, greasy grey friable shale w thin orangy resistant bands. slump, sulphur smell		66 33.51, 136 44.12
96 HR-31A	Dus	X			66 33.32, 136 40.05
96 HR-31B	Dus		slime in creek bed, coating boulders		66 33.32, 136 40.05
96 HR-39	Dus	X	yellow weathering shale, folded, some thicker siltstn beds		66 41.00, 136 35.42
96 HR-45	Dus		rusty weathering black shale		66 21.32, 136 36.84
96 HR-61	Dus	X	shale, yellow coating		66 20.62, 136 39.62
96 HR-62	Dus	X	shale, no sulph smell		66 22.61, 136 37.74

sample number	Au ppb FA+AA	Pt ppb	Pd ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
detection limit	5			0.2	0.01	2	10	2	15	0.5	1	1	1	15
95DH-061	4			0.2		24	220	1	0.41	1	1	30	44	1.6
95DH-187	4			0.1		16	10	1	0.11	0.4	19	42	59	3.49
95DH-188	4			0.1		4	1110	1	0	0.4	0.5	153	9	0.66
95DH-191	4			0.1		4	690	1	0.02	0.4	0.5	**222**	6	1.05
96 DH 100	4			0.1	0.59	46	80	1	0.01	0.5	0.5	54	12	4.96
96 DH 103A	4			0.1	0.8	16	750	1	0.01	0.4	0.5	13	37	1.21
96 DH 103B	4			0.1	0.56	6	**1350**	1	0.01	0.4	0.5	52	6	0.68
96 DH 104	4			0.1	0.56	10	540	1	0.97	0.4	7	14	19	**16.00**
96 DH 105	4			0.1	1.18	16	250	1	0.15	0.4	3	22	24	3.67
96 DH 207	4			0.1	0.55	12	390	1	0.08	0.4	2	73	12	1.27
96 DH 93A	4			0.1	2.34	10	650	1	0.03	0.4	4	57	30	3.79
96 DH 96A	4			0.1	0.89	18	800	1	0	0.4	0.5	22	8	0.66
96 DH 96B	4			0.1	1.1	26	50	1	1.07	**11**	11	31	**162**	12.85
96 DH 96C	4			0.1	0.51	46	8	1	0	0.4	4	59	25	10.85
96 DH-102	4			0.1	**8.57**	38	30	1	0	0.4	2	119	21	4.54
96 HR-16	4			0.1	0.51	6	380	1	0.99	0.4	6	69	26	13.15
96 HR-17	4			0.1	0.93	8	400	1	0.1	0.5	5	40	27	1.49
96 HR-19	4			0.1	0.66	8	660	1	0.01	0.4	0.5	62	21	0.98
96 HR-20	4			0.1	1.68	12	220	1	0.48	0.5	19	38	55	2.64
96 HR-21	4			0.1	0.2	4	520	1	0.46	0.4	4	159	12	2.11
96 HR-23A	4			0.1	0.46	6	**1280**	1	0.01	0.4	0.5	80	5	0.52
96 HR-23B	4			0.1	0.5	8	840	1	0	0.4	2	101	10	1.02
96 HR-29	4			0.1	1.73	16	100	1	0.49	0.5	13	29	71	2.31
96 HR-31A	4			0.1	1.37	16	120	1	0.09	0.4	7	37	37	2.56
96 HR-31B	4			0.1	0.8	16	160	1	0.03	0.4	2	16	20	**6.62**
96 HR-39	4			0.1	0.2	6	160	1	0.08	0.4	1	**234**	16	0.83
96 HR-45	4			0.1	1.87	14	560	1	0.07	0.4	4	37	26	3.93
96 HR-61	4			0.1	0.98	18	310	1	0.23	0.4	0.5	29	10	1.55
96 HR-62	4			0.2	2.31	18	280	1	0.07	0.4	8	41	35	3.28
average				0.2	1.27	15.45	461.07		0.25	2.33	6.20	66.72	29.14	3.37
median				0.2	0.80	14.00	385.00		0.09	0.50	4.00	42.00	21.00	2.21
min				0.2	0.20	4.00	10.00		0.01	0.50	1.00	13.00	5.00	0.52
max				0.2	8.57	46.00	1350.00		1.07	11.00	19.00	234.00	162.00	13.15
standard dev				0	1.63	11.31	371.90		0.33	4.25	5.42	58.26	30.49	3.51
95th percentile				0.2	2.33	42.80	1220.50		0.99	8.50	19.00	196.80	66.20	12.15

sample number	Hg ppm	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
detection limit	0.5	10			1	1	8	2	2	1		10	10	1	10	
95DH-061			0.06	5	6	23	250	14	1	3	**44**		8	**132**	0.50	92
95DH-187			0.36	90	12	80	260	16	1	6	**41**		8	63	0.50	**280**
95DH-188			0.04	5	1	4	60	6	1	1	19		8	26	0.50	6
95DH-191			0.06	45	1	4	290	4	2	1	36		8	27	0.50	12
96 DH 100	0.5	8	0.03	4	8	4	640	12	1	2	85	8	8	49	8	24
96 DH 103A	0.5	8	0.05	4	5	8	90	12	1	2	34	8	8	19	8	30
96 DH 103B	0.5	8	0.04	5	2	3	60	6	1	1	29	8	8	14	8	8
96 DH 104	0.5	8	1.98	1555	0.5	**99**	240	8	1	8	38	8	8	31	8	134
96 DH 105	0.5	8	0.35	150	3	22	210	14	1	3	52	8	8	42	8	52
96 DH 207	0.5	8	0.11	20	5	11	70	8	1	2	24	8	8	26	8	44
96 DH 93A	0.5	8	0.28	30	0.5	24	100	12	1	5	32	8	8	69	8	94
96 DH 96A	0.5	8	0.07	4	8	23	180	16	2	1	47	8	8	87	8	12
96 DH 96B	0.5	8	0.84	715	**34**	97	340	12	1	8	67	8	10	55	8	**718**
96 DH 96C	0.5	8	0.05	5	11	23	50	8	1	1	6	8	8	33	8	28
96 DH-102	0.5	8	0.07	5	4	5	200	12	4	87	13	8	8	**216**	8	32
96 HR-16	1	8	1.11	1390	0.5	21	440	8	1	4	30	8	8	25	8	82
96 HR-17	0.5	8	0.21	35	1	64	160	8	1	3	27	8	8	31	8	128
96 HR-19	0.5	8	0.09	15	3	8	110	10	1	1	15	8	8	33	8	38
96 HR-20	0.5	8	0.76	130	1	77	410	18	1	5	24	8	8	44	8	258
96 HR-21	0.5	8	0.23	145	1	25	80	4	1	1	52	8	8	12	8	80
96 HR-23A	0.5	8	0.03	5	4	5	40	6	1	0.5	20	8	8	15	8	16
96 HR-23B	0.5	8	0.03	5	3	8	90	6	1	1	17	8	8	21	8	30
96 HR-29	0.5	8	0.57	85	12	**105**	280	14	1	5	64	8	8	59	8	234
96 HR-31A	0.5	8	0.25	50	10	43	120	14	1	4	53	8	8	48	8	84
96 HR-31B	0.5	8	0.12	15	5	11	220	18	1	3	37	8	8	29	8	46
96 HR-39	0.5	8	0.02	15	0.5	6	320	6	1	0.5	16	8	8	22	8	18
96 HR-45	0.5	8	0.2	20	0.5	38	1210	20	1	6	37	8	8	82	8	100
96 HR-61	0.5	8	0.08	4	11	26	150	14	1	2	42	8	8	67	8	38
96 HR-62	0.5	8	0.42	30	0.5	39	130	18	1	5	39	8	8	94	8	178
average	1.00		0.29	182.80	6.57	31.24	234.48	11.17	2.67	6.33	35.86		10.00	50.72		99.86
median	1.00		0.11	30.00	5.00	23.00	180.00	12.00	2.00	3.00	36.00		10.00	33.00		46.00
min	1.00		0.02	5.00	1.00	3.00	40.00	4.00	2.00	1.00	6.00		10.00	12.00		6.00
max	1.00		1.98	1555.00	34.00	105.00	1210.00	20.00	4.00	87.00	85.00		10.00	216.00		718.00
standard dev			0.42	413.87	7.08	31.70	232.56	4.61	1.15	16.26	17.79			42.35		140.71
95th percentile	1.00		1.00	1255.00	12.00	98.20	560.00	18.00	3.80	8.00	65.80		10.00	116.80		271.20

sample number	Fm	rep	sample description		sample location	Au ppb	Pt	Pd	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe
detection limit						5			0.2	0.01	2	10	2	15	0.5	1	1	1	15
						FA+AA	ppb	ppb	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
95DH-188	Dus	X	rusty brown loc yellow weath grey shale		Heli-recce	4			0.1		4	1110	1	0	0.4	0.5	153	9	0.66
95DH-191	Dus	X	soft grey shale, nodular siltstone		Heli-recce	4			0.1		4	690	1	0.02	0.4	0.5	222	6	1.05
96 DH 100	Dus or Dss	X	unconsolidated blue grey, yellow weathering flaky shale	sl/c	CE 116I/7 E of highway, S of Eagle River	4			0.1	0.59	46	80	1	0.01	0.5	0.5	54	12	4.96
96 DH 103A	Dus or Dss	X	grey, loc yellow eath fractured shale	sl/c	CE 116I/7 E of highway, S of Eagle River	4			0.1	0.8	16	750	1	0.01	0.4	0.5	13	37	1.21
96 DH 207	Dus	X	chips of grey weathering shale	sluff	NE 116I/7	4			0.1	0.55	12	390	1	0.08	0.4	2	73	12	1.27
96 DH 93A	Dus?	X	rusty weath greenish f.g. sandstn 2-5cm i/b w grey weath blocky shale		C+SE 116I/7 Wolverine ck down Corbett Hill	4			0.1	2.34	10	650	1	0.03	0.4	4	57	30	3.79
96 DH 96A	Dus	X	thin platy grey-blue, yellow weath sh/sandstone. some graded beds, sulph smell. 25cm	o/c	C+SE 116I/7 Wolverine ck down Corbett Hill	4			0.1	0.89	18	800	1	0	0.4	0.5	22	8	0.66
96 HR-16	Dus?	X			66 27.24, 136 43.20	4			0.1	0.51	6	380	1	0.99	0.4	6	69	26	13.15
96 HR-17	Dus?	X			66 28.14, 136 42.36	4			0.1	0.93	8	400	1	0.1	0.5	5	40	27	1.49
96 HR-19	Dus	X			66 30.39, 136 44.93	4			0.1	0.66	8	660	1	0.01	0.4	0.5	62	21	0.98
96 HR-20	Dus	X			66 29.38, 136 52.88	4			0.1	1.68	12	220	1	0.48	0.5	19	38	55	2.64
96 HR-23A	Dus?	X			66 30.19, 136 51.92	4			0.1	0.46	6	**1280**	1	0.01	0.4	0.5	80	5	0.52
96 HR-23B	Dus?	X	rusty		66 30.19, 136 51.92	4			0.1	0.5	8	840	1	0	0.4	2	101	10	1.02
96 HR-29	Dus	X	yellow weath, greasy grey friable shale w thin orangy resistant bands. slump, sulphur smell		66 33.51, 136 44.12	4			0.1	1.73	16	100	1	0.49	0.5	13	29	71	2.31
96 HR-31A	Dus	X			66 33.32, 136 40.05	4			0.1	1.37	16	120	1	0.09	0.4	7	37	37	2.56
96 HR-39	Dus	X	yellow weathering shale, folded, some thicker siltstn beds		66 41.00, 136 35.42	4			0.1	0.2	6	160	1	0.08	0.4	1	**234**	16	0.83
96 HR-61	Dus	X	shale, yellow coating		66 20.62, 136 39.62	4			0.1	0.98	18	310	1	0.23	0.4	0.5	29	10	1.55
96 HR-62	Dus	X	shale, no sulph smell		66 22.61, 136 37.74	4			0.2	2.31	18	280	1	0.07	0.4	8	41	35	3.28
					average				0.20	1.03	12.89	512.22		0.18	0.50	6.70	75.22	23.72	2.44
					median				0.20	0.85	11.00	395.00		0.08	0.50	5.50	55.50	18.50	1.38
					min				0.20	0.20	4.00	80.00		0.01	0.50	1.00	13.00	5.00	0.52
					max				0.20	2.34	46.00	1280.00		0.99	0.50	19.00	234.00	71.00	13.15
					standard dev					0.66	9.66	353.63		0.27	0.00	5.58	64.50	18.14	2.94
					95th percentile				0.20	2.32	22.20	1135.50		0.64	0.50	16.30	223.80	57.40	6.19

sample number	Hg	La	Mg	Mn	Mo	Ni	P	Pb	Sb	Sc	Sr	Tl	U	V	W	Zn
detection limit	0.5	10			1	1	8	2	2	1		10	10	1	10	
	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
95DH-188			0.04	5	1	4	60	6	1	1	19		8	26	0.50	6
95DH-191			0.06	45	1	4	290	4	2	1	36		8	27	0.50	12
96 DH 100	0.5	8	0.03	4	8	4	640	12	1	2	85	8	8	49	8	24
96 DH 103A	0.5	8	0.05	4	5	8	90	12	1	2	34	8	8	19	8	30
96 DH 207	0.5	8	0.11	20	5	11	70	8	1	2	24	8	8	26	8	44
96 DH 93A	0.5	8	0.28	30	0.5	24	100	12	1	5	32	8	8	69	8	94
96 DH 96A	0.5	8	0.07	4	8	23	180	16	2	1	47	8	8	87	8	12
96 HR-16	1	8	1.11	1390	0.5	21	440	8	1	4	30	8	8	25	8	82
96 HR-17	0.5	8	0.21	35	1	64	160	8	1	3	27	8	8	31	8	128
96 HR-19	0.5	8	0.09	15	3	8	110	10	1	1	15	8	8	33	8	38
96 HR-20	0.5	8	0.76	130	1	77	410	18	1	5	24	8	8	44	8	**258**
96 HR-23A	0.5	8	0.03	5	4	5	40	6	1	0.5	20	8	8	15	8	16
96 HR-23B	0.5	8	0.03	5	3	8	90	6	1	1	17	8	8	21	8	30
96 HR-29	0.5	8	0.57	85	12	**105**	280	14	1	5	64	8	8	59	8	**234**
96 HR-31A	0.5	8	0.25	50	10	43	120	14	1	4	53	8	8	48	8	84
96 HR-39	0.5	8	0.02	15	0.5	6	320	6	1	0.5	16	8	8	22	8	18
96 HR-61	0.5	8	0.08	4	11	26	150	14	1	2	42	8	8	67	8	38
96 HR-62	0.5	8	0.42	30	0.5	39	130	18	1	5	39	8	8	94	8	178
average	1.00		0.23	132.86	5.21	26.67	204.44	10.67	2.00	2.75	34.67			42.33		73.67
median	1.00		0.09	30.00	4.50	16.00	140.00	11.00	2.00	2.00	31.00			32.00		38.00
min	1.00		0.02	5.00	1.00	4.00	40.00	4.00	2.00	1.00	15.00			15.00		6.00
max	1.00		1.11	1390.00	12.00	105.00	640.00	18.00	2.00	5.00	85.00			94.00		258.00
standard dev			0.30	363.49	3.93	28.97	161.62	4.39	0.00	1.65	18.44			23.99		77.62
95th percentile	1.00		0.81	571.00	11.35	81.20	470.00	18.00	2.00	5.00	67.15			88.05		237.60

CHart River - all samples

sample number	Fm	rep	sample description	sample location	Au ppb FA+AA	Pt ppb	Pd ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
detection limit					5			0.2	0.01	2	10	2	15	0.5	1	1	1	15	0.5	10			1	1	8	2	2	1		10	10	1	10	
95DH-123	CHr	X	rep sample of beige weath lt grey, finely bedded (50-30cm) fg limestone	km 350	4			0.1		2	20	1	16.00	0.4	0.5	11	1	0.08			0.19	5	0.5	3	100	1	1	0.5	699		8	6	8	32
96 HR-12	CHr	X		66 09.67, 136 26.10,116I/1	4			1	0.23	1	80	1	16.00	1	0.5	53	12	0.41	0.5	8	0.25	45	0.5	12	1040	1	1	0.5	484	8	8	46	8	64
96 HR-13A	CHr?	X		66 09.63, 136 27.24, 116I/1	4			4	0.35	6	100	1	16.00	21	1	120	38	0.46	0.5	10	0.18	30	16	49	1330	4	1	2	536	8	8	113	8	**710**
96 HR-13B	CHr?	X		66 09.63, 136 27.24, 116I/1	4			1.6	2.7	10	280	1	3.41	0.5	1	159	19	1.11	0.5	20	0.17	25	3	43	1120	4	1	5	310	8	8	94	8	86
96 HR-14A	CHr?	X	friable grey shale w rusty beds and nodules.	116I/2	4			1.2	2.02	20	90	1	5.51	0.4	4	87	16	2.1	0.5	20	0.13	20	6	50	**24900**	18	1	17	380	8	8	119	8	124
96 HR-14B	CHr?		large nodules overlain by small nod and clayey pods in busted up shales. HS smell	116I/2	4			**6.6**	1.88	50	90	1	6.12	5	3	**253**	62	2.75	0.5	30	0.16	20	**43**	**137**	**59000**	6	1	7	306	8	30	157	8	**362**
96 HR-14C	CHr?		clay altered and red-ochre altered limestone?	116I/2	4			**5.2**	0.78	32	70	1	11.95	17	1	112	42	0.48	0.5	20	0.41	25	20	79	**2560**	2	1	4	515	8	8	**369**	8	284
96 HR-15	CHr	X	clean limestone	66 09.29, 136 42.77	4			0.1	0.1	1	30	1	14.3	0.4	0.5	35	1	0.22	0.5	8	0.61	15	0.5	8	700	1	1	0.5	728	8	8	8	8	28
96 HR-65	CHr?	X	limestone	66 15.63, 137 00.97	4			0.1	0.12	1	70	1	16.00	0.4	0.5	24	0.5	0.11	0.5	8	0.68	15	0.5	3	270	1	1	0.5	1100	8	8	7	8	20
				average	4			2.81	1.02	20	92.2	1	8.258	7.483	2	94.889	23.9	0.858		20	0.309	22.2	17.6	42.667	10113.3	6.8		7	562		30	102.1		190
				median	4			1.6	0.57	15	80	1	6.12	3	1	87	17.5	0.46		20	0.19	20	16	43	1120	4		5	515		30	94		86
				min	4			0.1	0.1	2	20	1	3.41	0.4	1	11	1	0.08	0	10	0.13	5	3	3	100	2	0	2	306	0	30	6	0	20
				max	4			6.6	2.7	50	280	1	14.3	21	4	253	62	2.75	0	30	0.68	45	43	137	59000	18	0	17	1100	0	30	369	0	710
				standard dev				2.46	1.02	18.2	75.5		4.6304	9.17	1.414	77.054	21.6	0.953		7.07	0.208	11.2	15.82	44.162	19974.1	6.419		5.87	252			114.6		229
				95th percentile	4			6.18	2.46	45.5	208	1	13.83	20	3.8	215.4	55	2.49		28	0.652	39	38.4	113.8	45360	15.6		15	951		30	284.2		571

sample number	Fm	rep	sample description	sample location	Au ppb FA+AA	Pt ppb	Pd ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm
detection limit					5			0.2	0.01	2	10	2
95DH-123	CHr	X	rep sample of beige weath lt grey, finely bedded (50-30cm) fg limestone	km 350	4			0.1		2	20	1
96 HR-12	CHr	X		66 09.67, 136 26.10,116I/1	4			1	0.23	1	80	1
96 HR-13B	CHr?	X		66 09.63, 136 27.24, 116I/1	4			1.6	2.7	10	280	1
96 HR-15	CHr	X	clean limestone	66 09.29, 136 42.77	4			0.1	0.1	1	30	1
96 HR-65	CHr?	X	limestone	66 15.63, 137 00.97	4			0.1	0.12	1	70	1
				average	4			0.9	0.79	6	96	1
				median	4			1	0.18	6	70	1
				min	4			0.1	0.1	2	20	1
				max	4			1.6	2.7	10	280	1
				standard dev				0.755	1.28	5.657	106	
				95th percentile	4			1.54	2.33	9.6	240	1

sample number / location	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
detection limit	15	0.5	1	1	1	15	0.5	10			1	1	8	2	2	1		10	10	1	10	
95DH-123	16.00	0.4	0.5	11	1	0.08			0.19	5	0.5	3	100	1	1	0.5	699		8	6	8	32
96 HR-12	16.00	1	0.5	53	12	0.41	0.5	8	0.25	45	0.5	12	1040	1	1	0.5	484	8	8	46	8	64
96 HR-13B	3.41	0.5	1	159	19	1.11	0.5	20	0.17	25	3	43	1120	4	1	5	310	8	8	94	8	86
96 HR-15	14.3	0.4	0.5	35	1	0.22	0.5	8	0.61	15	0.5	8	700	1	1	0.5	728	8	8	8	8	28
96 HR-65	16.00	0.4	0.5	24	0.5	0.11	0.5	8	0.68	15	0.5	3	270	1	1	0.5	1100	8	8	7	8	20
average	8.855	0.633	1	56.4	8.25	0.386		20	0.38	21	3	13.8	646	4		5	664.2			32.2		46
median	8.855	0.5	1	35	6.5	0.22		20	0.25	15	3	8	700	4		5	699			8		32
min	3.41	0.4	1	11	1	0.08		20	0.17	5	3	3	100	4		5	310			6		20
max	14.3	1	1	159	19	1.11		20	0.68	45	3	43	1120	4		5	1100			94		86
standard dev	7.7	0.321		59.4	8.846	0.4249			0.24	15.2		16.75	453				297.1			38.46		27.93
95th percentile	13.76	0.95	1	138	17.95	0.97		20	0.67	41	3	36.8	1104	4		5	1026			84.4		81.6

detection limit						5			0.2	0.01	2	10	2	15	0.5	1	1	1	15	0.5	10			1	1	8	2	2	1		10	10	1	10	
			sample			Au ppb	Pt	Pd	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	La	Mg	Mn	Mo	Ni	P	Pb	Sb	Sc	Sr	Tl	U	V	W	Zn
sample number	Fm	rep	description		sample location	FA+AA	ppb	ppb	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
95DH-197	JKnb?	X	clean white sandstone, slightly oxidized		Heli-recce	4			0.1		1	20	1	0.01	0.4	0.5	335	2	0.59			0	10	0.5	3	40	2	1	0.5	3		8	4	0.50	2
96 DH 193	Jk	X	super clean sandstone,vitreous grey weath, rusty fracture planes	float	NE 116I/16	4			0.1	0.07	1	310	1	0.04	0.4	0.5	**464**	2	0.43	0.5	8	0.02	20	1	5	10	1	1	0.5	5	8	8	5	8	2
96 DH 194	Jk	X	rusty brown weath cgl, includes chert Fx	float	NE 116I/16	4			0.1	0.22	20	140	1	1.12	0.4	2	273	3	2.05	0.5	8	0.04	30	1	8	1220	6	1	1	31	8	8	32	8	16
96 DH 195	Jk		trail of rusty punky weathering sandstone	float	NE 116I/16	4			0.1	0.2	14	590	1	8.93	0.5	1	129	2	2.26	0.5	8	1.51	25	1	7	1690	8	2	1	155	8	8	18	8	22
			average							0.16	17.00	265.00		2.53	0.50	1.50	300.25	2.25	1.33			0.52	21.25	1.00	5.75	740.00	5.33	2.00	1.00	48.50			14.75		10.50
			median							0.20	17.00	225.00		0.58	0.50	1.50	304.00	2.00	1.32			0.04	22.50	1.00	6.00	630.00	6.00	2.00	1.00	18.00			11.50		9.00
			min							0.07	14.00	20.00		0.01	0.50	1.00	129.00	2.00	0.43			0.02	10.00	1.00	3.00	10.00	2.00	2.00	1.00	3.00			4.00		2.00
			max							0.22	20.00	590.00		8.93	0.50	2.00	464.00	3.00	2.26			1.51	30.00	1.00	8.00	1690.00	8.00	2.00	1.00	155.00			32.00		22.00
			standard dev							0.08	4.24	247.18		4.30		0.71	139.15	0.50	0.96			0.85	8.54	0.00	2.22	847.70	3.06		0.00	72.14			13.15		10.12
			95th percentile							0.22	19.70	548.00		7.76	0.50	1.95	444.65	2.85	2.23			1.36	29.25	1.00	7.85	1619.50	7.80	2.00	1.00	136.40			29.90		21.10

sample number	Fm	rep	sample description	sample location	Au ppb FA+AA	Pt ppb	Pd ppb	Ag ppm	Al %	As ppm	Ba ppm
detection limit					5			0.2	0.01	2	10
95DH-062	Kmg?	X	large limestone nodule (10 cm in diam) in dark grey-brown brown shale. float	app km 462 116P/1	4			0.1		16	120
95DH-124	Kcc	X	dirty coarse sandstone w clay nodules, poorly consolidated	km 345 116?/??	4			0.2		14	340
95DH-125	Kcc	X	dirty coarse sandstone	km 292.3 116?/??	4			0.4		8	410
96 HR-63	Kcc	X	sandstone	Chance #8	4			0.2	1.07	2	630
96 HR-64	Kcc	X	sandstone	airport	4			0.2	0.95	24	1280
				average				0.25	1.01	12.80	556.00
				median				0.20	1.01	14.00	410.00
				min				0.20	0.95	2.00	120.00
				max				0.40	1.07	24.00	1280.00
				standard dev				0.10	0.08	8.32	443.77
				95th percentile				0.37	1.06	22.40	1150.00

sample number	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
detection limit	2	15	0.5	1	1	1	15	0.5	10			1	1	8	2	2	1		10	10	1	10	
95DH-062	1	13.75	0.4	6	13	8	3.28			0.38	435	0.5	15	2380	22	1	3	395		8	17	0.50	42
95DH-124	1	0.22	0.5	5	123	17	1.23			0.19	125	1	22	770	6	1	2	33		8	40	0.50	60
95DH-125	1	0.23	0.5	16	131	32	2.58			0.35	830	0.5	58	1210	16	2	3	27		8	69	0.50	138
96 HR-63	1	1.4	1	8	88	33	2.06	0.5	8	0.54	495	4	34	1020	8	1	4	68	8	8	42	8	134
96 HR-64	1	0.29	0.5	6	134	22	1.78	0.5	8	0.34	140	5	33	1280	8	1	3	39	8	8	46	8	84
average		3.18	0.63	8.20	97.80	22.40	2.19			0.36	405.00	3.33	32.40	1332.00	12.00	2.00	3.00	112.40			42.80		91.60
median		0.29	0.50	6.00	123.00	22.00	2.06			0.35	435.00	4.00	33.00	1210.00	8.00	2.00	3.00	39.00			42.00		84.00
min		0.22	0.50	5.00	13.00	8.00	1.23			0.19	125.00	1.00	15.00	770.00	6.00	2.00	2.00	27.00			17.00		42.00
max		13.75	1.00	16.00	134.00	33.00	3.28			0.54	830.00	5.00	58.00	2380.00	22.00	2.00	4.00	395.00			69.00		138.00
standard dev		5.93	0.25	4.49	50.83	10.50	0.78			0.12	290.80	2.08	16.35	618.28	6.78		0.71	158.76			18.51		43.21
95th percentile		11.28	0.93	14.40	133.40	32.80	3.14			0.51	763.00	4.90	53.20	2160.00	20.80	2.00	3.80	329.60			64.40		137.20

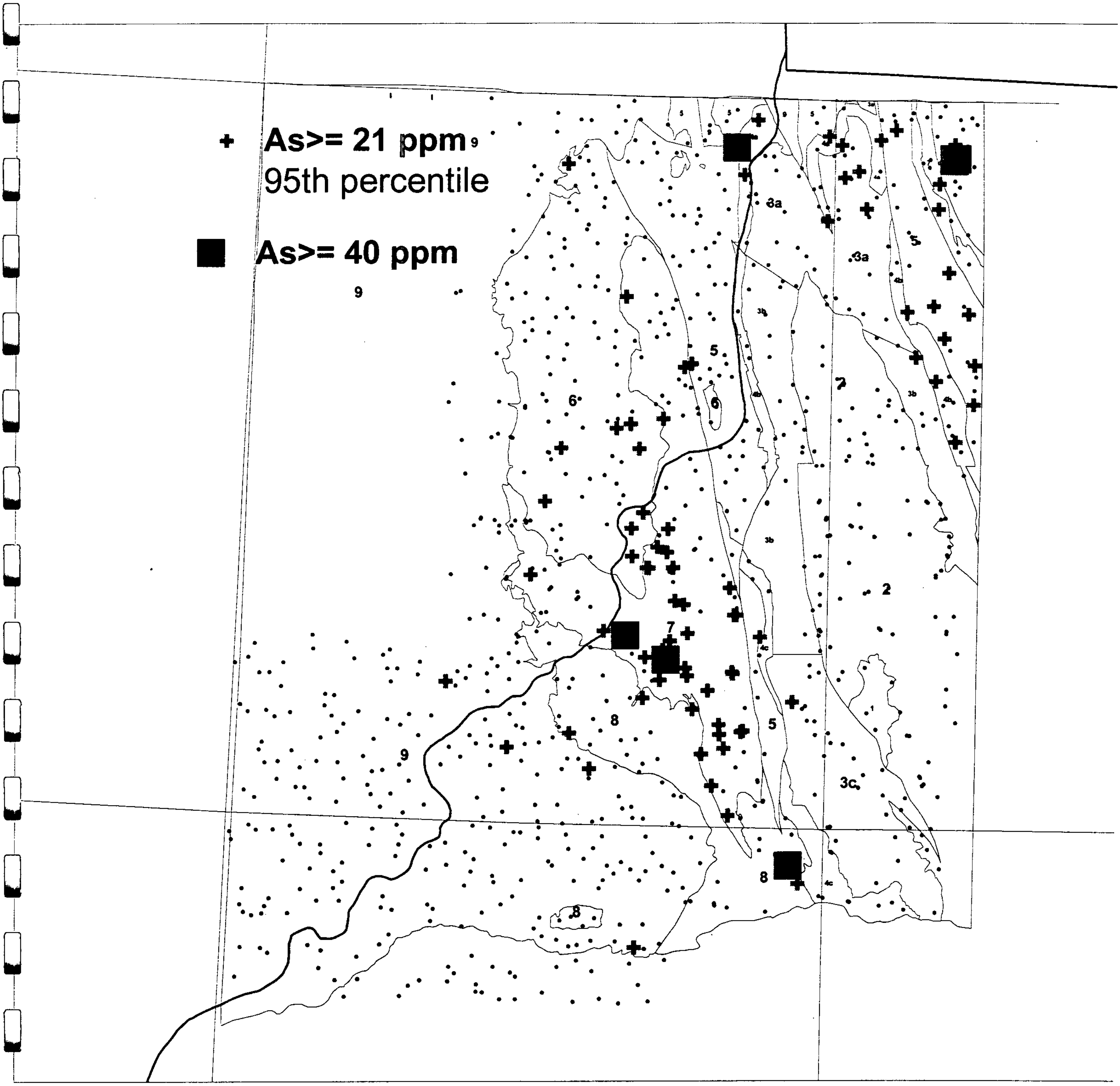
SAMPLE	NA2O % XRF-F 0.01	MGO % XRF-F 0.01	AL2O3 % XRF-F 0.01	SIO2 % XRF-F 0.01	P2O5 % XRF-F 0.01	K2O % XRF-F 0.01	CAO % XRF-F 0.01	TIO2 % XRF-F 0.001	CR2O3 % XRF-F 0.01
96DH-3B	0.66	<.01	1.29	95.5	<.01	0.03	0.04	0.089	0.04
96DH-3C	0.57	<.01	1.88	96.2	0.02	0.13	0.07	0.064	0.03
96DH-13A	0.49	<.01	1.49	96.1	0.12	0.09	0.12	0.074	0.03
96DH-13B	1.74	<.01	3.32	91.7	0.05	0.13	0.05	0.142	0.01
96DH-13C	0.51	<.01	1.21	97.1	0.02	<.01	0.01	0.041	0.03
96DH-14	3.07	0.17	5.60	87.4	0.06	0.11	0.35	0.142	0.01
D 96DH-3B	0.64	<.01	1.27	95.5	<.01	0.02	0.03	0.091	0.02

SAMPLE	MNO % XRF-F 0.01	FE2O3 % XRF-F 0.01	RB PPM XRF-F 2	SR PPM XRF-F 2	Y PPM XRF-F 2	ZR PPM XRF-F 2	NB PPM XRF-F 2	BA PPM XRF-F 20	LOI % XRF-F 0.01
96DH-3B	<.01	1.94	<2	143	<2	174	5	1950	0.35
96DH-3C	<.01	0.60	9	104	15	182	5	1520	0.40
96DH-13A	<.01	0.78	<2	217	6	180	10	557	0.70
96DH-13B	<.01	1.02	14	109	9	192	12	1690	1.95
96DH-13C	<.01	0.68	3	69	6	177	12	229	0.50
96DH-14	<.01	1.42	<2	174	<2	143	5	1290	1.75
D 96DH-3B	<.01	1.92	<2	143	<2	174	4	1970	0.40

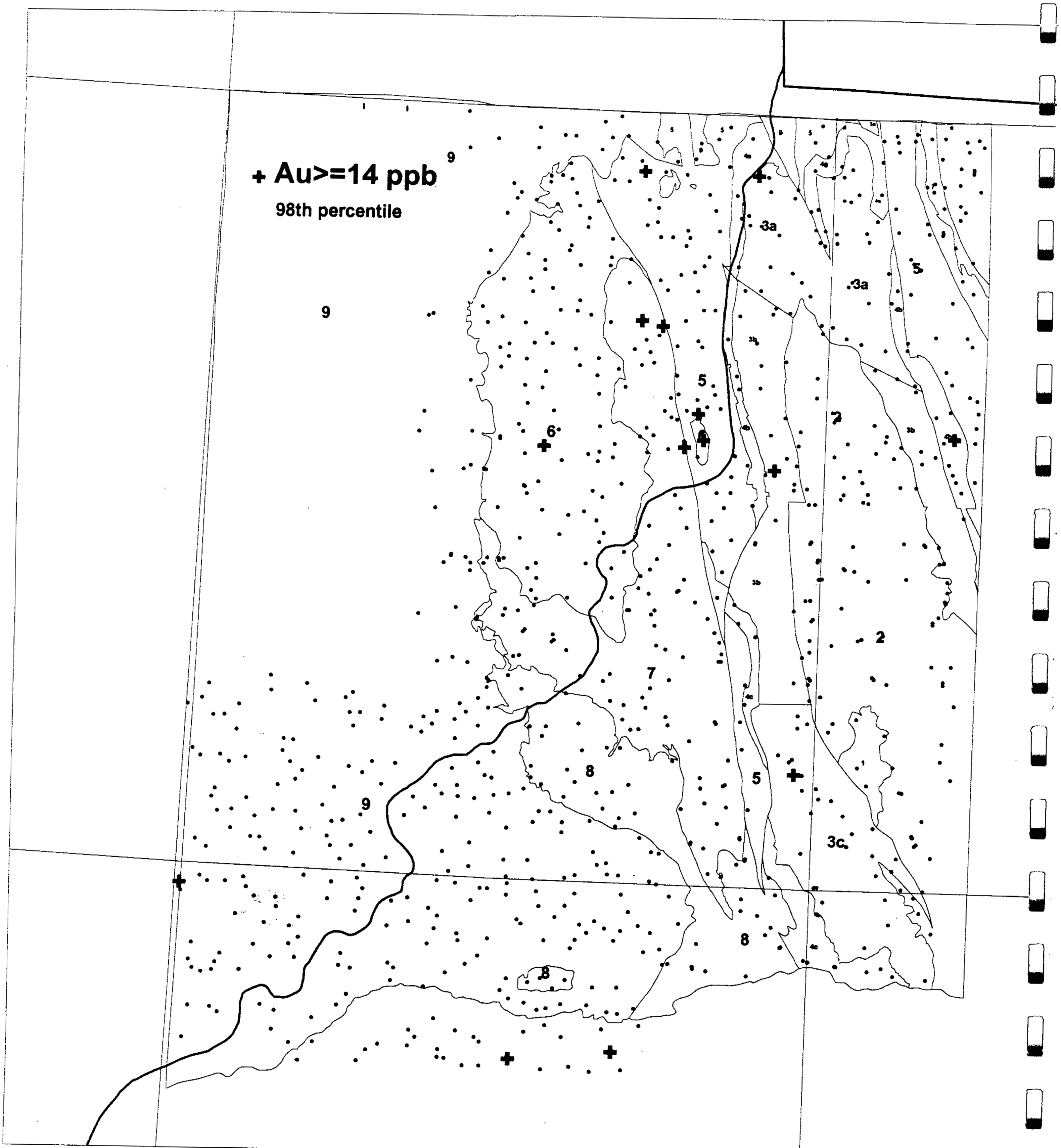
SAMPLE	SUM % XRF-F 0.1
96DH-3B	100.2
96DH-3C	100.2
96DH-13A	100.1
96DH-13B	100.3
96DH-13C	100.2
96DH-14	100.3
D 96DH-3B	100.2

Appendix 3

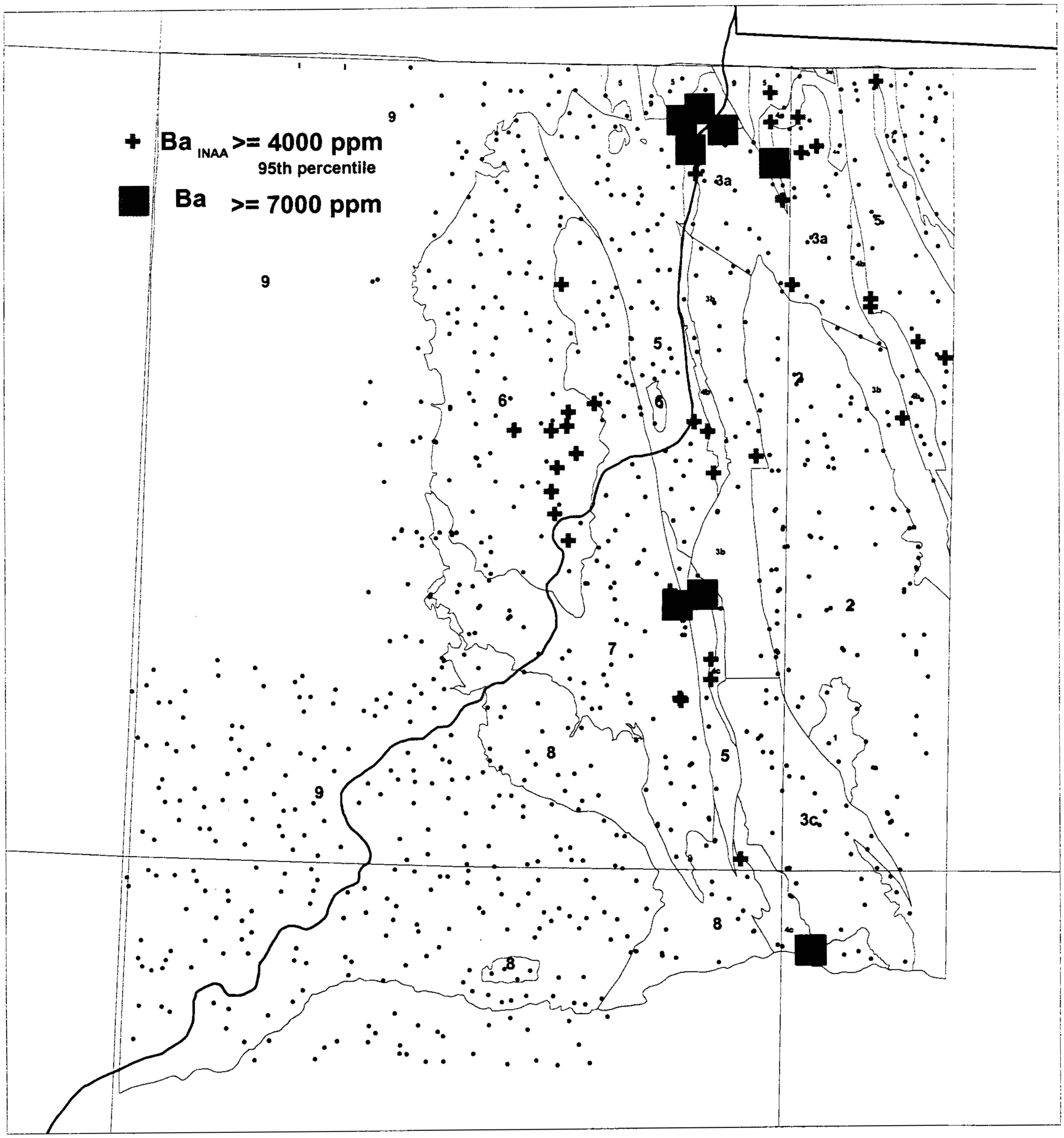
Stream sediment geochemistry



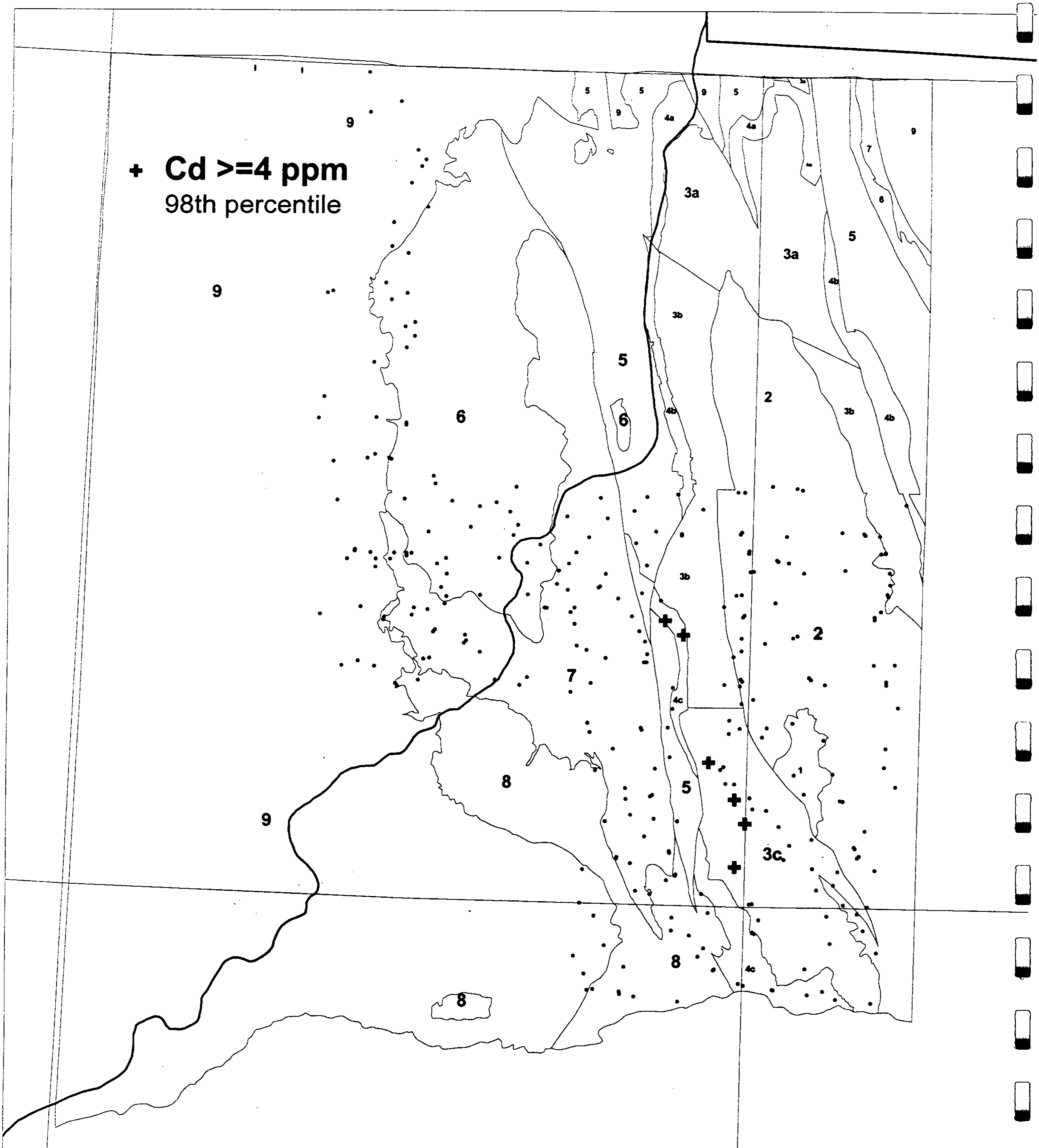
As>= 21 ppm
95th percentile
As>= 40 ppm
9
6
5
3a
3b
2
7
8
3c
4c
1

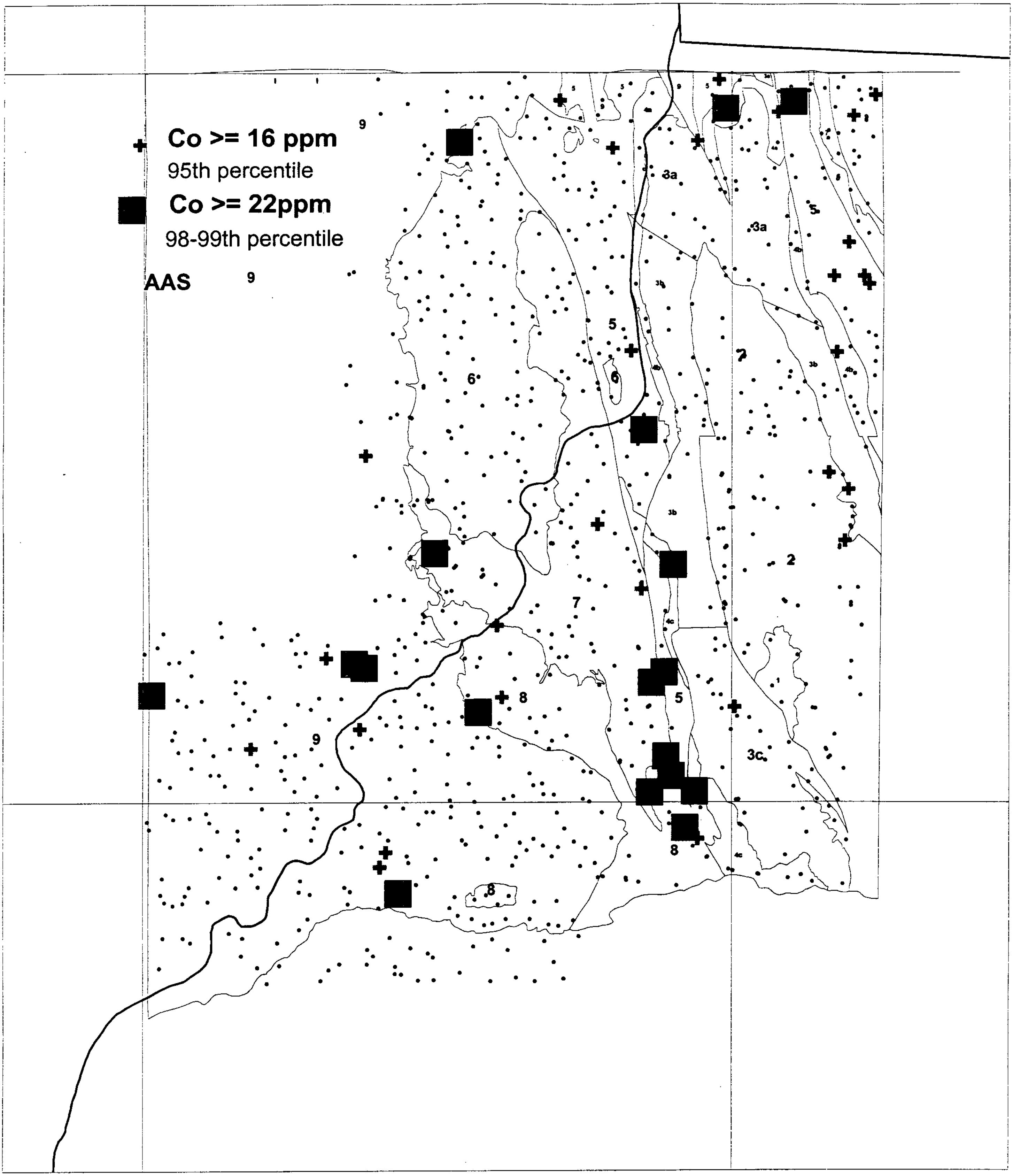


+ Au>=14 ppb
98th percentile
9
3a
3a
5
5
6
2
2
7
8
5
3c
8
9
8

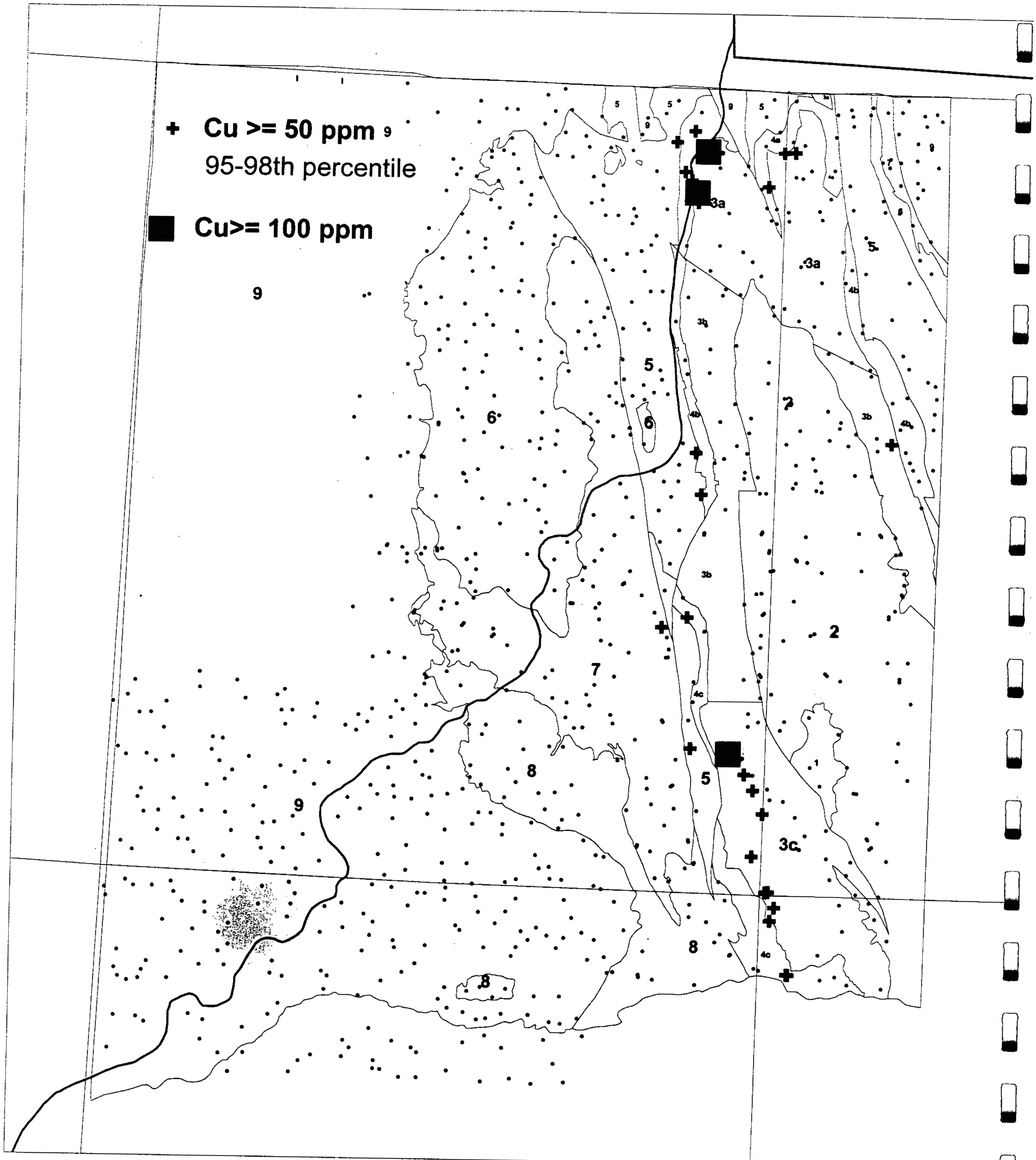


Ba INAA >= 4000 ppm
95th percentile
Ba >= 7000 ppm
9
9
6
6
5
7
8
9
8
8
3a
3a
5
3b
2
2
3c
5

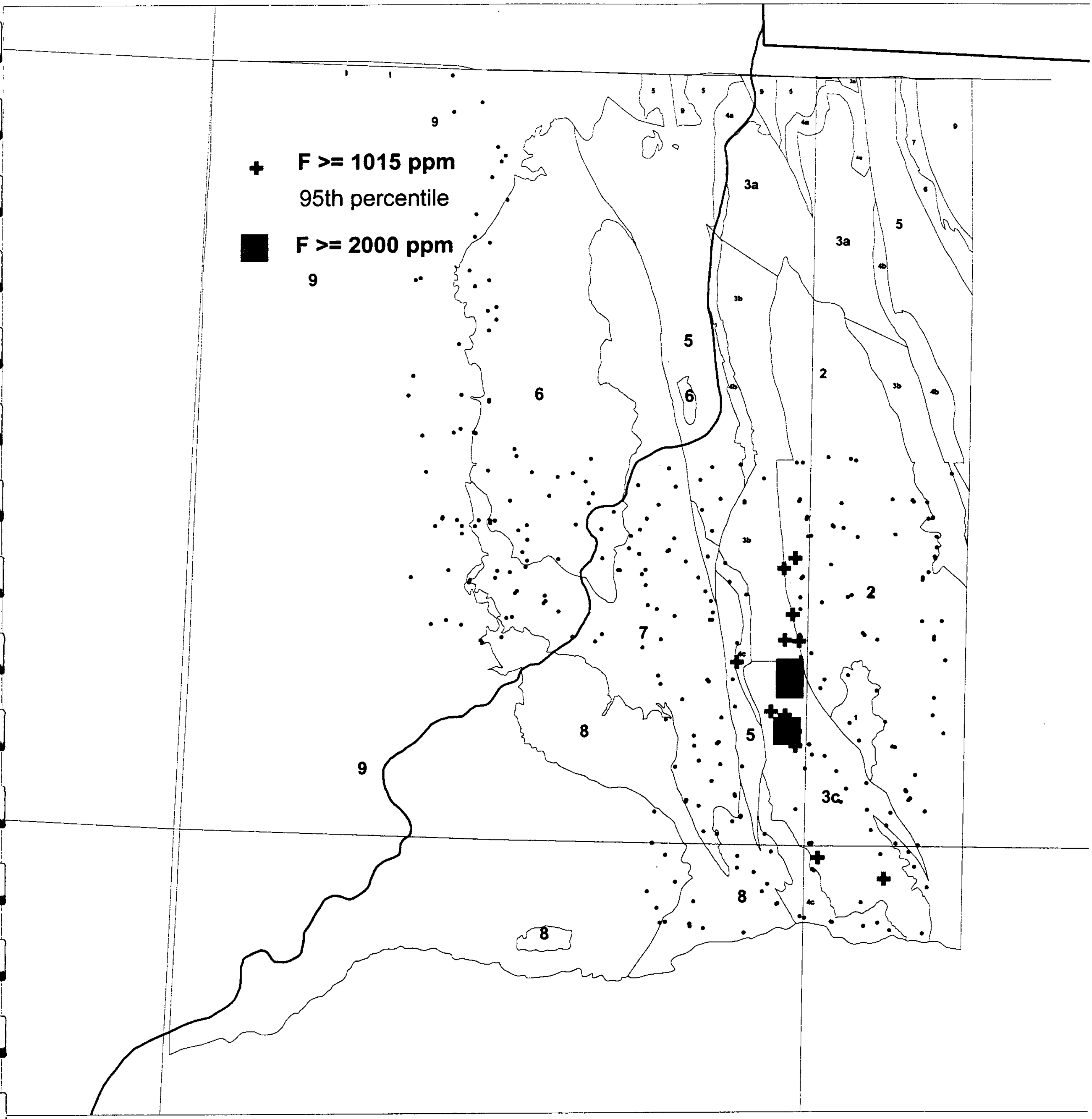

+ Cd >=4 ppm
98th percentile
9
6
5
6
7
8
8
9
3a
3a
3b
3b
3b
2
2
5
5
3c
4a
4a
4b
4b
4b
4c
4c
1
7
6



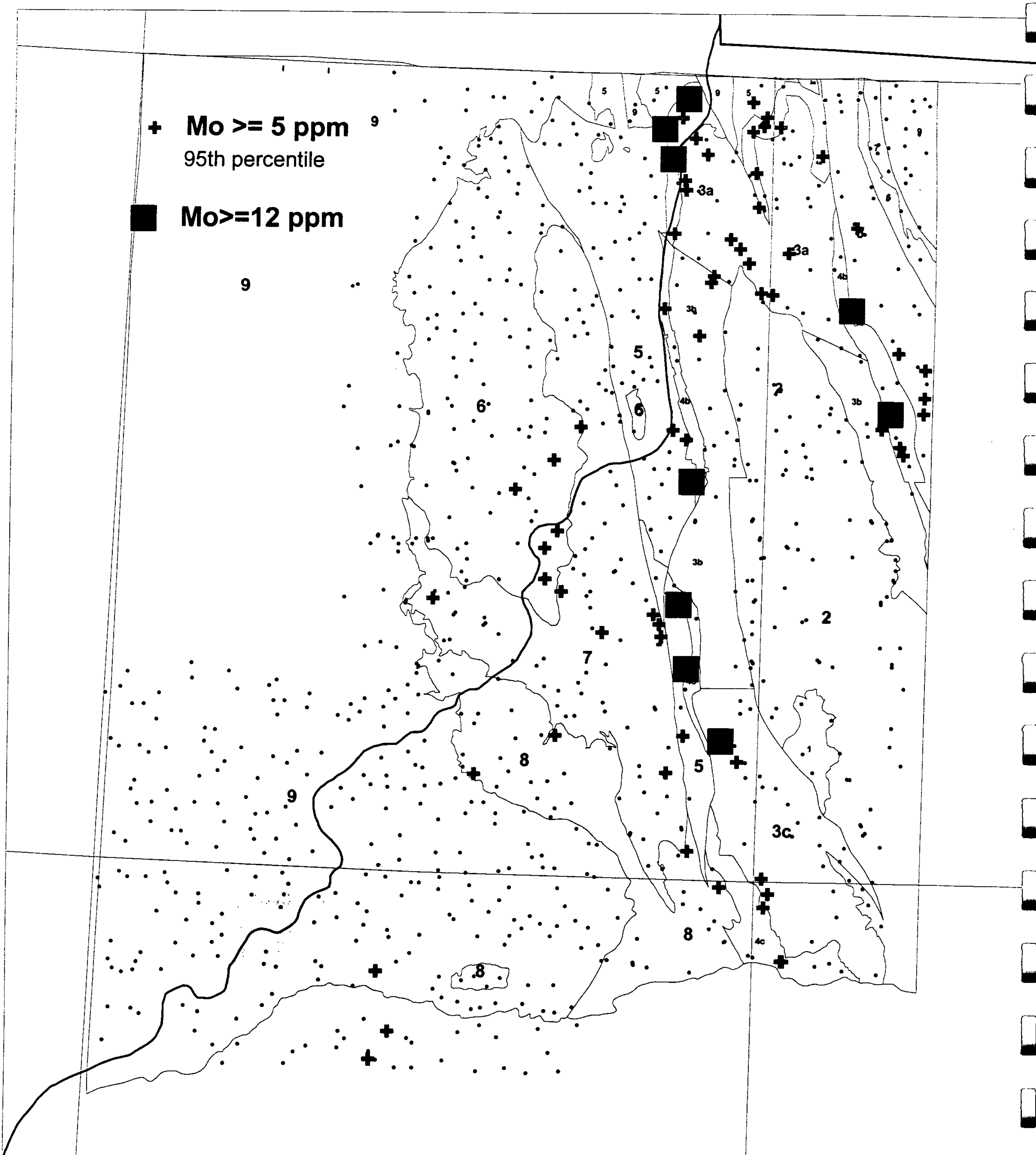
Co >= 16 ppm
95th percentile
Co >= 22ppm
98-99th percentile
AAS



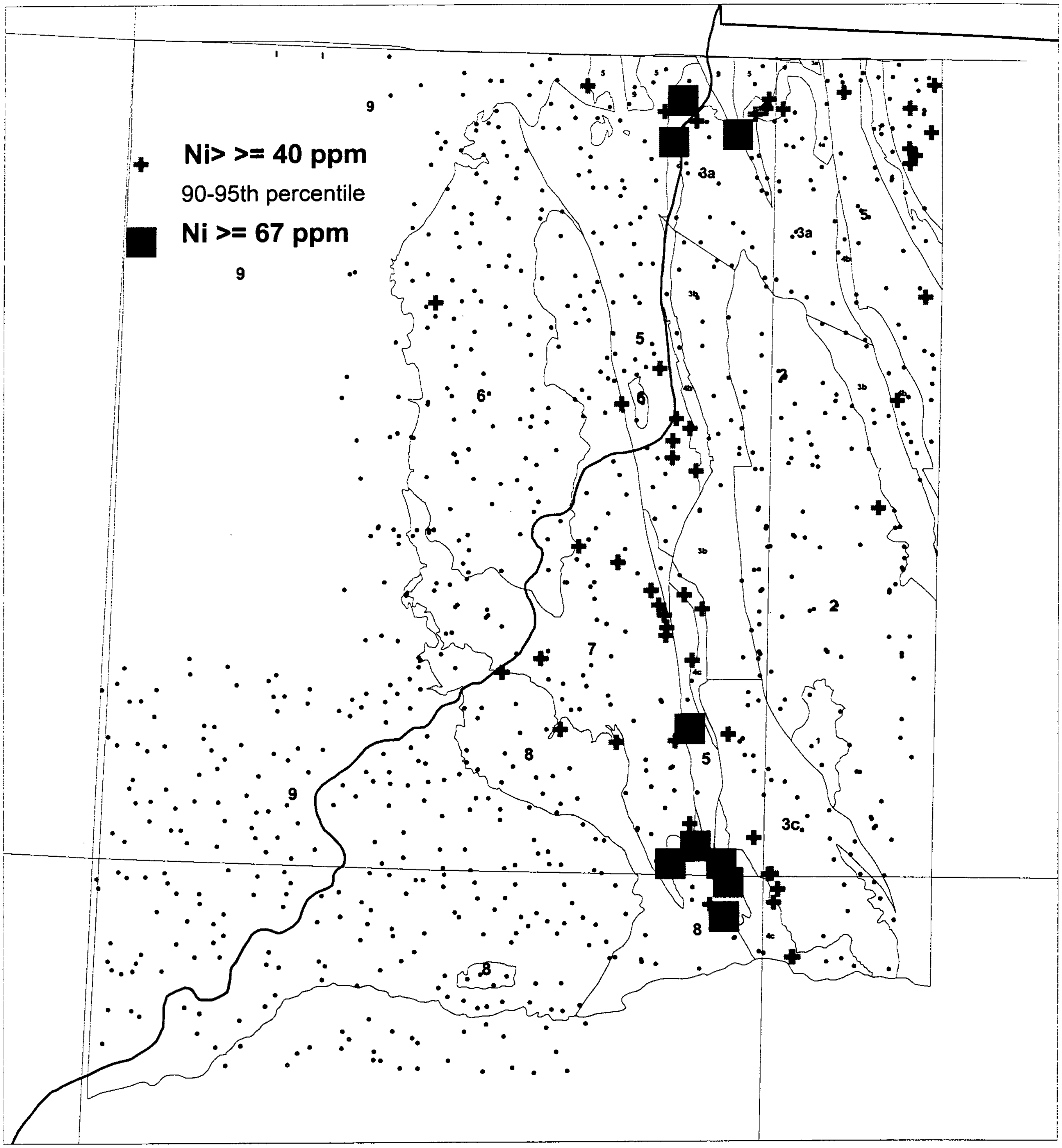
+ Cu >= 50 ppm
95-98th percentile
Cu>= 100 ppm
9
9
5
6
6
7
8
8
8
5
3a
3a
5
2
2
3b
3b
4b
4c
4c
3c



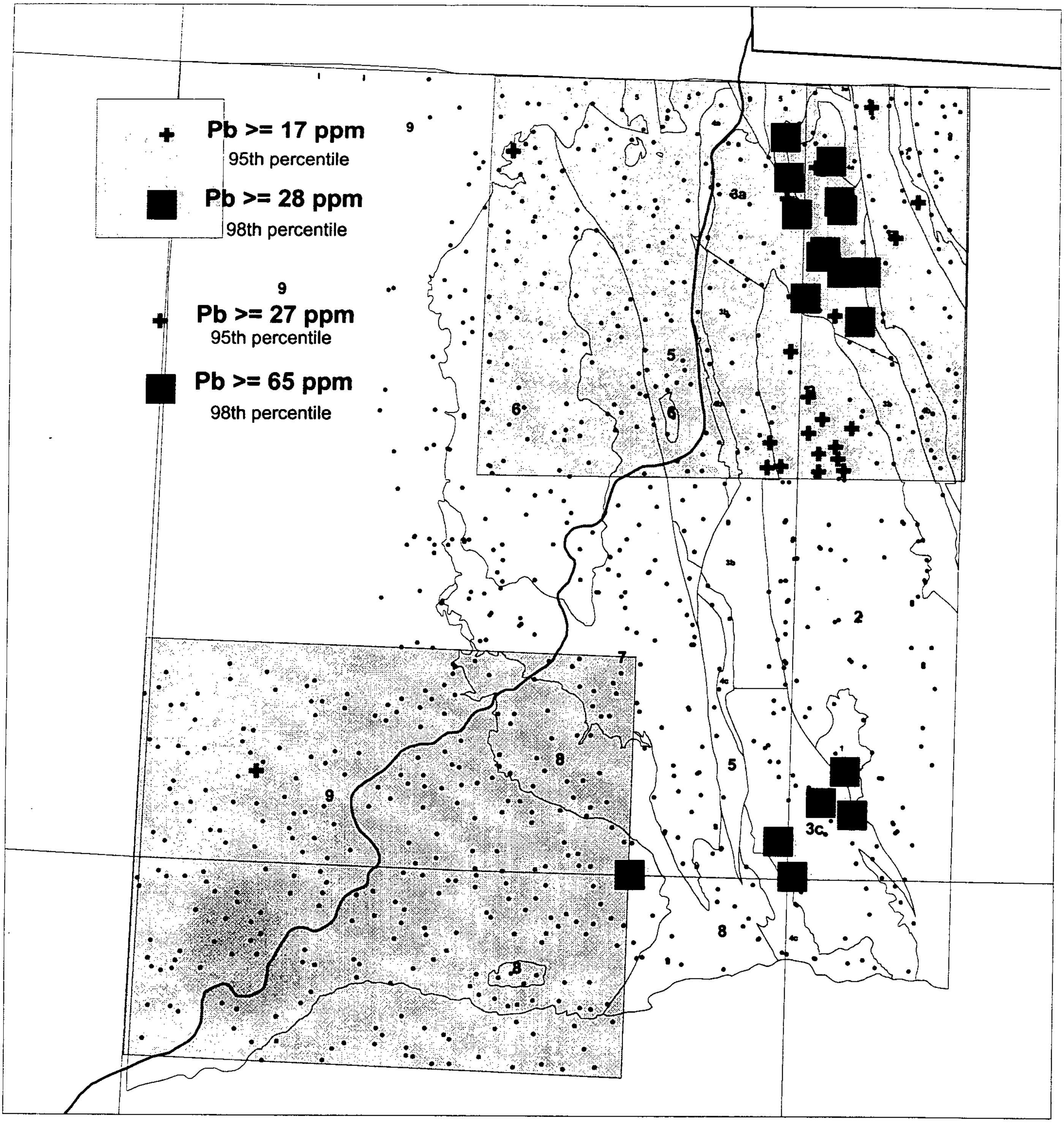
F >= 1015 ppm
95th percentile
F >= 2000 ppm
9
6
5
3a
3b
2
7
8
3c



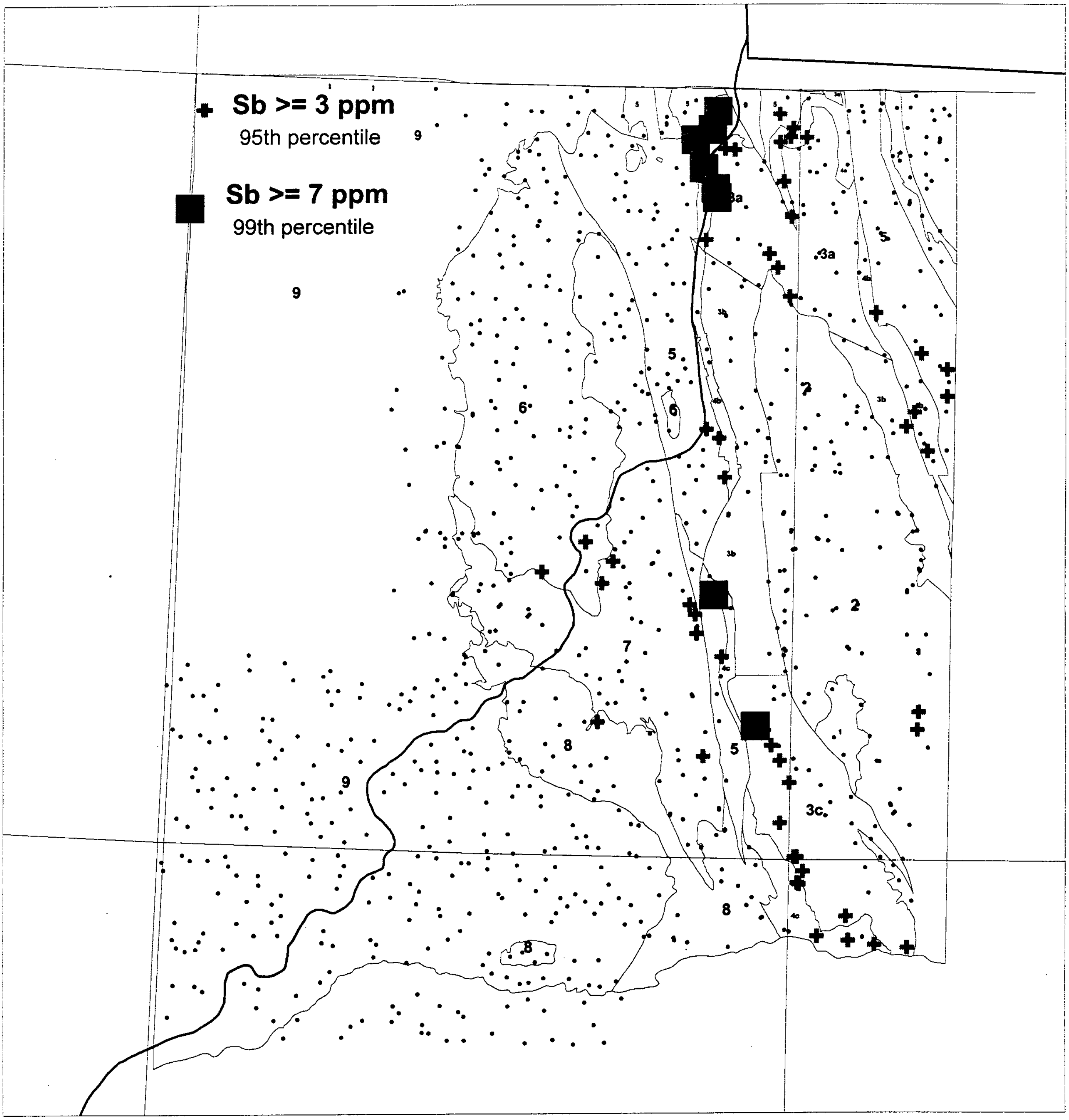
Mo >= 5 ppm
95th percentile
Mo>=12 ppm
9
3a
3b
4b
5
6
7
8
2
1
3c
4c

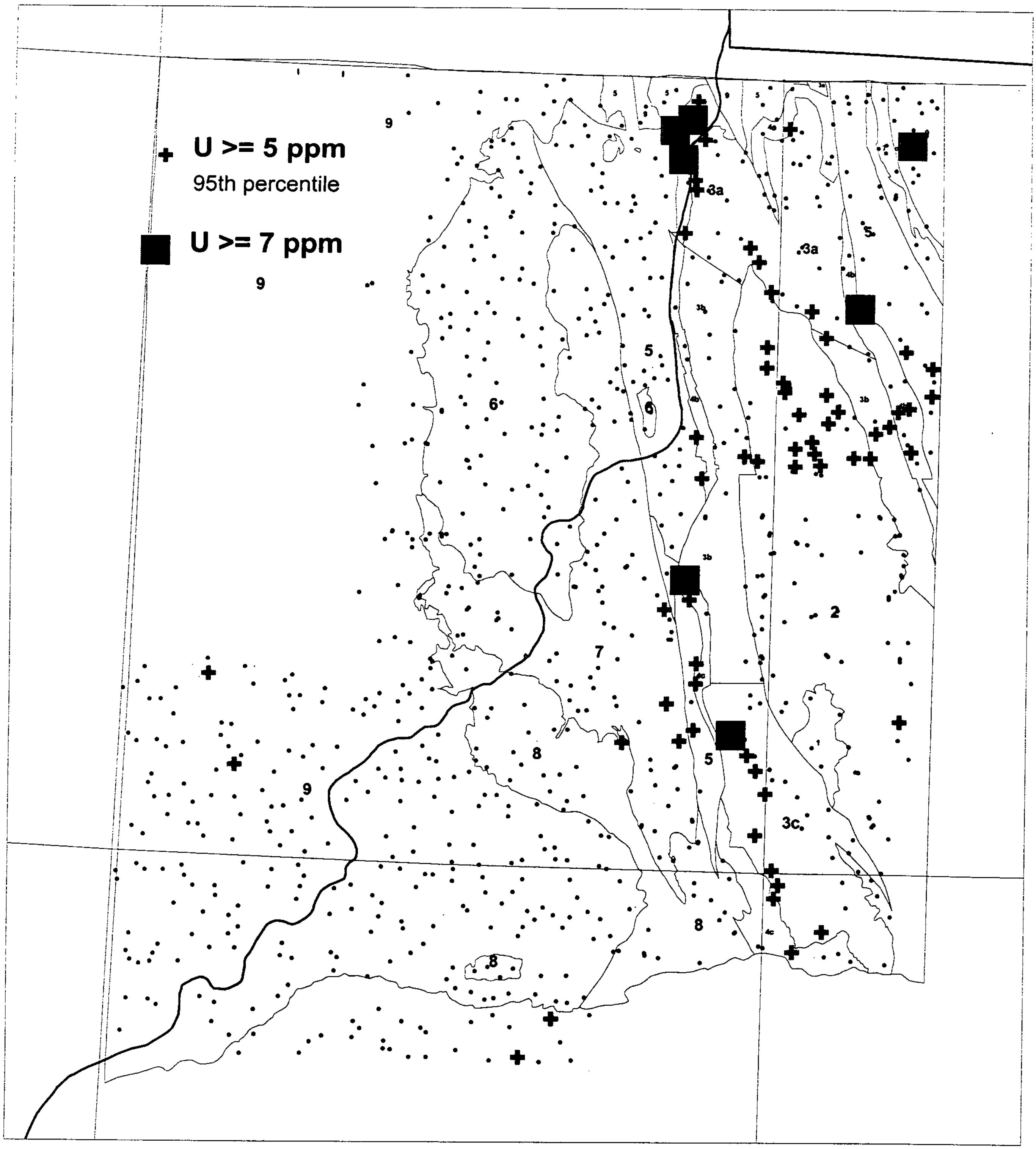


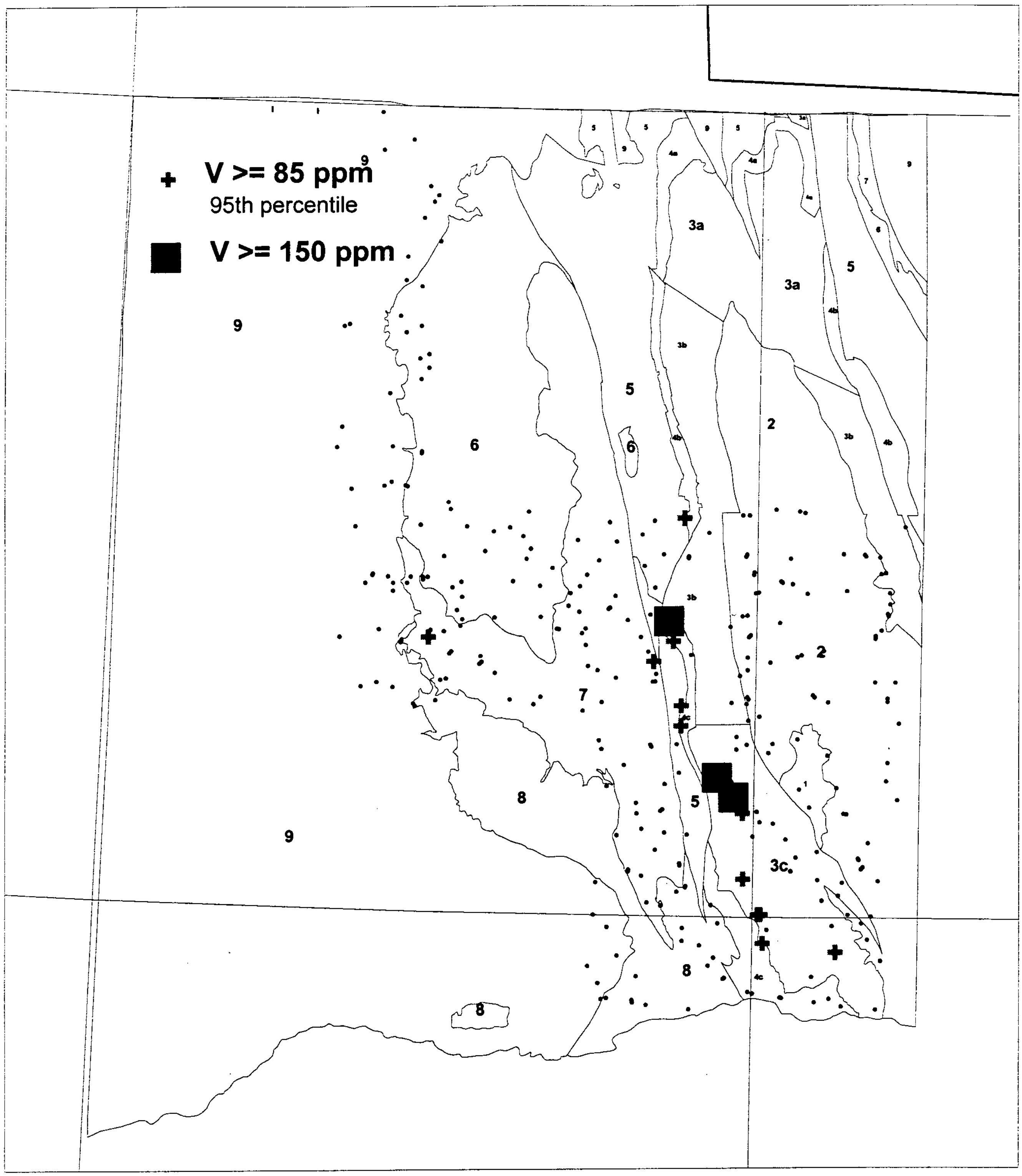
Ni> >= 40 ppm
90-95th percentile
Ni >= 67 ppm
9
6
5
3a
3b
4b
7
2
8
3c
1
4c

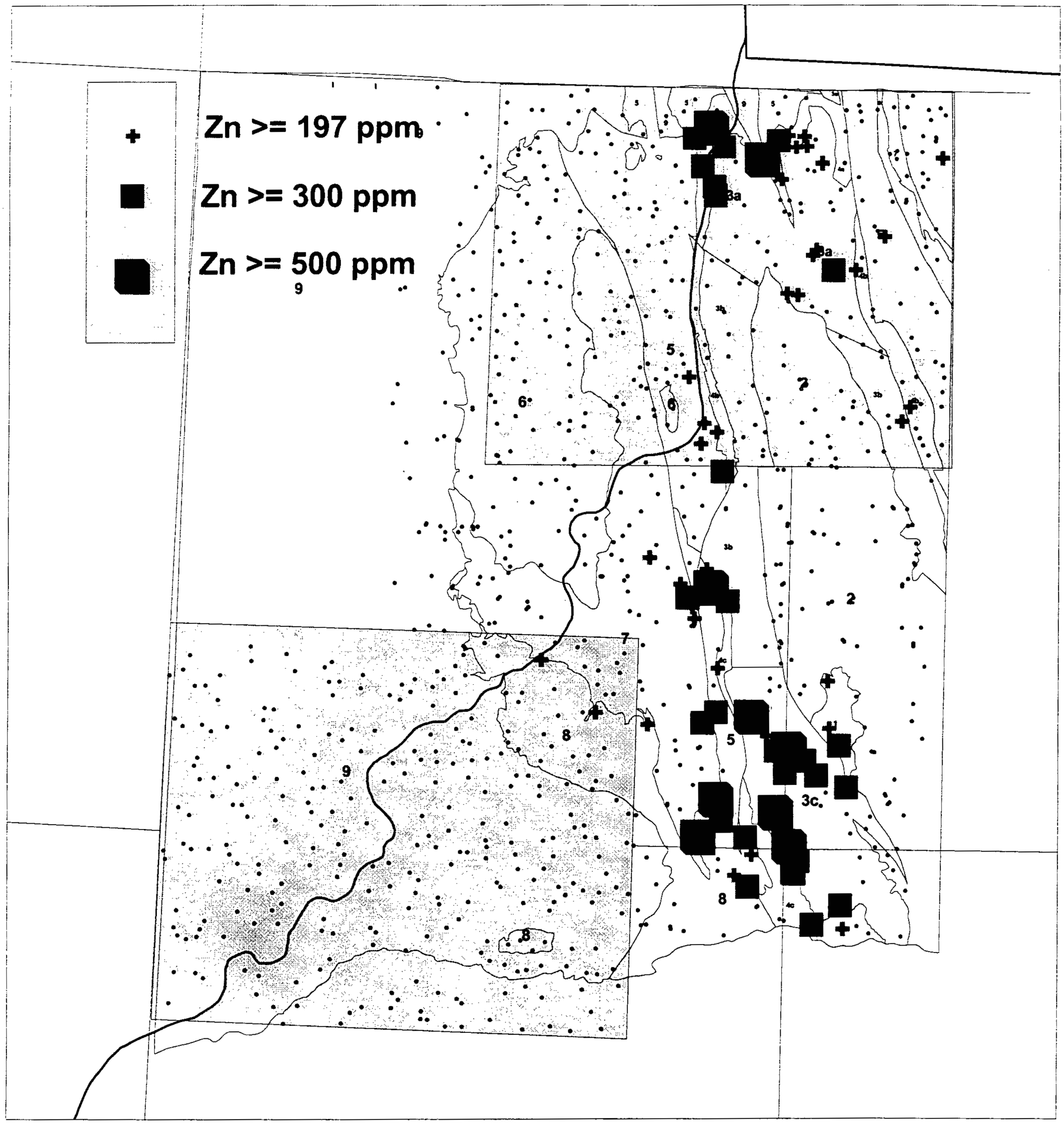


Pb >= 17 ppm
95th percentile
Pb >= 28 ppm
98th percentile
Pb >= 27 ppm
95th percentile
Pb >= 65 ppm
98th percentile

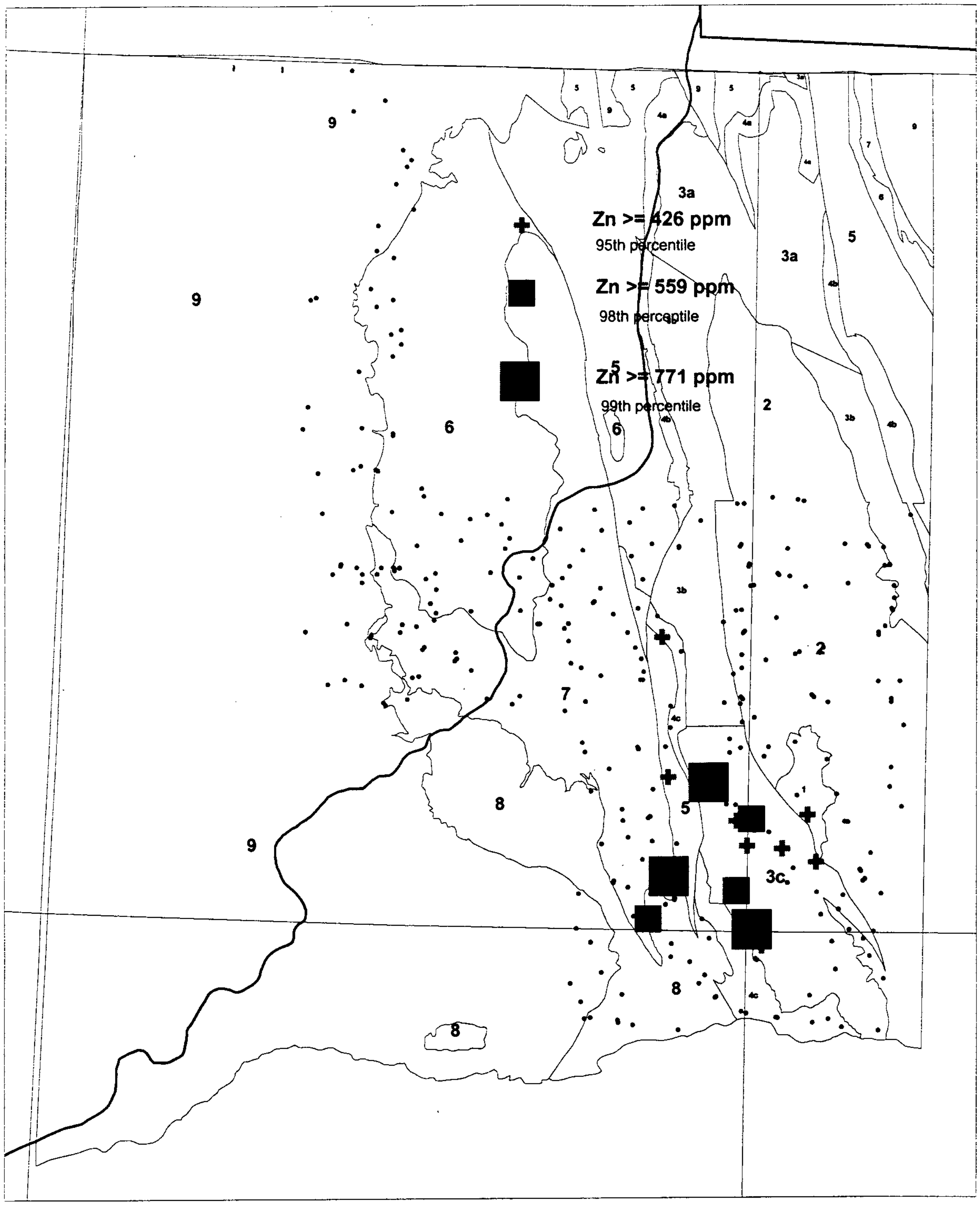

Sb >= 3 ppm
95th percentile
Sb >= 7 ppm
99th percentile
9
9
9
6
6
5
5
5
7
7
2
2
3a
3a
3b
3b
3c
8
8
8
5
4c


U >= 5 ppm
95th percentile
U >= 7 ppm
9
6
5
3a
3b
2
7
8
3c


V >= 85 ppm
95th percentile
V >= 150 ppm
9
6
5
6
3a
3a
5
2
2
3b
3b
4b
7
8
8
8
9
5
3c



Zn >= 197 ppm
Zn >= 300 ppm
Zn >= 500 ppm


Zn >= 426 ppm
95th percentile
Zn >= 559 ppm
98th percentile
Zn >= 771 ppm
99th percentile
3a
3a
5
9
9
6
6
5
2
2
7
8
5
3c
9
8
8

Appendix 4

Methodology

MINERAL RESOURCE ASSESSMENTS

FOR

PROPOSED TERRITORIAL PARKS:

METHODOLOGY

by

<u>Mineral Assessment Steering Committee</u>

Rod Hill - YTG Energy & Mines Branch

John Meikle - YTG Parks & Outdoor Recreation Branch

Rob McIntyre - Yukon Chamber of Mines

Steve Morison - DIAND Exploration & Geological Services

Revised April 28, 1995

1.0 INTRODUCTION AND BACKGROUND

Section 6(1) of the Parks Act (1979) states that "the Commissioner in Executive Council may establish a system of parks to protect unique natural and historic features and provide for comprehensive outdoor recreation opportunities".

In September 1991 the Yukon government approved a Parks and Outdoor Recreation Policy. This policy provided for a shift in focus from "protecting unique natural and historic features" to "protecting portions of the land that are representative of the ecological diversity of the Yukon". The policy also provided that industrial activity such as mining would not be permitted in territorial parks. The Parks policy has since been revised, and each candidate park will be evaluated on a case-by-case basis with a view to considering multiple use.

In June 1992 the Yukon government approved a Parks System Plan. The objective set out in this plan is "to complete the establishment of a Yukon Parks System by the year 2000. At a minimum the system will include one Natural Environment Park in each of the eight Park Landscapes and one representative designation in each ecoregion". The plan also makes a commitment that mineral resource assessments will be carried out prior to any land being set aside for territorial parks.

In the Coast Ranges and North Yukon, Kluane National Park Reserve, Ivvavik National Park and Herschel Island Territorial Park have been chosen by the Parks and Outdoor Recreation Branch as being representative of their respective ecoregions. The Porcupine/Peel Landscape was chosen in 1992 as the first of the remaining six park landscapes for inventory using Park System Plan criteria. A report completed in March 1993 summarizes park values in the area and recommends seven areas of interest for further consideration. Assessment work is currently underway in the Eagle Plains Ecoregion portion of Landscape 7. The three areas of interest recommended for this ecoregion will be evaluated from the perspectives of ecological representation, traditional use, tourism and recreation potential and mineral potential.

Late in 1992, the Parks branch began discussions with the Yukon Chamber of Mines and with the Energy & Mines Branch regarding a methodology for conducting mineral assessments of candidate parks. These discussions centred around how mineral assessments should best be conducted, who should conduct them, and how the results of such assessments should be used in the park selection and planning process.

In January 1994 a three-member mineral assessment steering committee (comprising representatives from Parks, Energy & Mines and the Chamber of Mines) was set up to develop a process for conducting mineral assessments. A representative of DIAND was subsequently added to the steering committee.

Representatives of Parks, Energy & Mines, the Chamber and DIAND attended a workshop hosted by the B.C. Ministry of Energy, Mines & Petroleum Resources in Victoria, March 15-18, 1994. The purpose of the workshop was to bring together interested parties from the federal, provincial and territorial governments to discuss methods for conducting mineral resource assessments.

In August 1994, representatives from the Yukon Chamber of Mines, Yukon Prospectors' Association, Yukon Conservation Society, Canadian Parks and Wilderness Society, Yukon Economic Development, Yukon Renewable Resources and DIAND attended a workshop hosted by the Mineral Assessment Steering Committee in Whitehorse. A representative from the Council for Yukon Indians was also invited. The purpose of the workshop was to discuss the methodology of assessing mineral potential for park planning in Yukon. The focus of the proceedings was the first draft of a Discussion Paper on Mineral Resource Assessments for Proposed Territorial Parks produced by the Steering Committee.

The issue of mineral resources and their potential for mining development is an aspect of park planning which requires rigorous and complete technical review. The mineral assessment steering committee has developed the following outline of a proposed methodology for conducting mineral resource assessments. This outline incorporates the input received from the stakeholders who attended the Whitehorse workshop.

2.0 PROPOSED METHODOLOGY

2.1 Overview of Park Selection Process

The park selection process being developed by Yukon Renewable Resources is comprised of two phases to provide the latitude for the assessment process being discussed in this paper. The objective of the first phase is to identify alternative areas of park interest that adequately represent each ecoregion and provide for benefits to sectors such as tourism without unnecessarily conflicting with areas of high mineral potential, and hence select a preferred park candidate. The purpose of the second phase is to finalize the boundary of the chosen candidate and commence park management planning.

The proposed methodology for mineral assessments is also divided into two phases and will be facilitated by one full time employee, the mineral assessment geologist, with assistance from a Mineral Assessment Panel consisting of professional geoscientists from industry with Yukon experience in grassroots mineral exploration.

It is assumed that the Phase 1 and 2 methodology outlined below would be used for metallic minerals, industrial minerals, placer deposits and coal. Assessment of oil and gas deposits would be done separately.

2.2 Phase 1 - Data Compilation, Fieldwork, Ranking of Areas for Mineral Potential

Phase 1 would be initiated when Yukon Renewable Resources present areas of park interest for a particular ecoregion to the Department of Economic Development. Ideally this would occur during the fall or winter preceding the summer field season. The Phase 1 assessment of each region would require a budget of about $150,000 and about 12-15 months to complete, and would proceed using the following steps:

STEP 1 - LITERATURE SEARCH AND DATA COMPILATION

The mineral assessment geologist will review all of the available geoscience information for the region containing the areas of park interest, including: Geological Survey of Canada and DIAND geology maps; regional stream sediment geochemistry surveys; regional geophysical surveys; exploration industry assessment reports; Yukon MINFILE mineral deposits database; articles in scientific journals; university theses. Utilizing all of the above sources of information, a new 1:250,000 geological map of the region with overlays showing geochemical, geophysical and mineral deposits data, together with a summary report, will be prepared. Estimated time-frame for this step is about three months during late winter or early spring.

STEP 2 - FIELD AND LABORATORY STUDIES

After consultation with other geogists familiar with the region under study, the mineral assessment geologist will identify critical data gaps which need to be filled in order to conduct a mineral assessment of the region, and develop a program and budget for field and laboratory studies aimed at collecting the necessary data. Proposed studies would be

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After consultation with other geogists familiar with the region under study, the mineral assessment geologist will identify critical data gaps which need to be filled in order to conduct a mineral assessment of the region, and develop a program and budget for field and laboratory studies aimed at collecting the necessary data. Proposed studies would be tailored to the region under study, and would likely include some or all of the following work: selected geological mapping of critical areas in order to fill data gaps, clarify uncertainties and provide ground-truthing of interpretations made in the office; collection of representative rock, soil and silt samples for geochemical analysis; selected geophysical surveys; age-dating studies. After approval of the proposed program and budget by the park planning committee, the mineral assessment geologist will carry out the necessary field and laboratory studies, and compile all the results into a revised 1:250,000 geological compilation with accompanying report.

It is estimated that each project would require a two-person mapping crew working for one three-month field season, followed by approximately three months of data compilation and interpretation in the office on the part of the project geologist.

STEP 3 - MINERAL ASSESSMENT

The Mineral Assessment Panel is convened. The Panel reviews the revised geological compilation, and then conducts an assessment of the mineral potential of each of the areas of park interest. The assessments will be based upon the consideration of those mineral deposit models occurring in (or which are potentially feasible within) each area. (It is expected that the mineral deposit models and criteria for mineral potential assessment used by British Columbia would be available for modification and use). The Panel then provides a ranking of each area of park interest in terms of highest to lowest mineral potential.

In order to provide a ranking of different areas, a scheme for rating the areas would be developed, possibly using the "circle method" used by British Columbia as a starting point. Further work is required to adopt a ranking methodology which would be suitable for Yukon's planning needs.

The specifics of how the Panel would operate also still have to be worked out. For example, in British Columbia the Geological Services branch provides the data and training for volunteer experts to carry out mineral potential assessments. The volunteers are paid an honorarium, and are expected to devote a significant effort in the assessment process. The USGS has used consulting panels of experts to conduct mineral assessments. The panels are made up of 4-6 consultants who represent a range of pertinent expertise or experience selected for the requirements of each specific assessment.

Phase 1 concludes when the mineral assessment geologist prepares a final report with accompanying maps, which are then used by the park planning committee in selecting one candidate park from among the alternative areas of interest.

2.3 Phase 2 - Additional Assessment to Refine Park Candidate Boundaries

In areas of potential resource use conflict, or where there are disagreements among the stakeholders concerning the boundaries of the candidate park, further study may be required. Such Phase 2 studies may necessitate more detailed (1:50,000-scale) work. Depending upon the geological complexity of the area, this would likely require a second field season of geological mapping, sampling and analytical work, followed by a further period of report writing and mineral assessment.

3.0 PROCESS MANAGEMENT

There are several issues related to the process of managing mineral assessments in the larger context of parks selection that have not been dealt with in this discussion paper. Many such issues were identified during the Whitehorse workshop, including for example, the level and scope of public involvement in the overall selection process, the weighting of mineral versus aesthetic values, the possibility (and desirability) of land withdrawal from staking during assessment, and, the level of federal government involvement in the assessment. The probable economic viability of mineral potential and other potential resource values is also an issue to be examined.

It would not appear feasible to apply to DIAND for an order withdrawing all the areas of park interest from disposition. The work done by the assessment geologist may well identify areas of significant mineral potential, but the integrity of the proposed park areas might be compromised if this information is published and claims are staked in the area as a result. Consequently, it is proposed that the initial 1:250,000-scale geological compilation which is prepared as the basis for the mineral potential assessment would be kept confidential. However the final Phase 1 mineral potential map and report which form the basis of the selection of one candidate park from among the areas of interest will be published once an order withdrawing the candidate park from disposition is granted. Similar compilations prepared for a more detailed Phase 2 assessment would also be published prior to the finalization of park boundaries.

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b) Participants Notes to Accompany BCMEMPR presentations.

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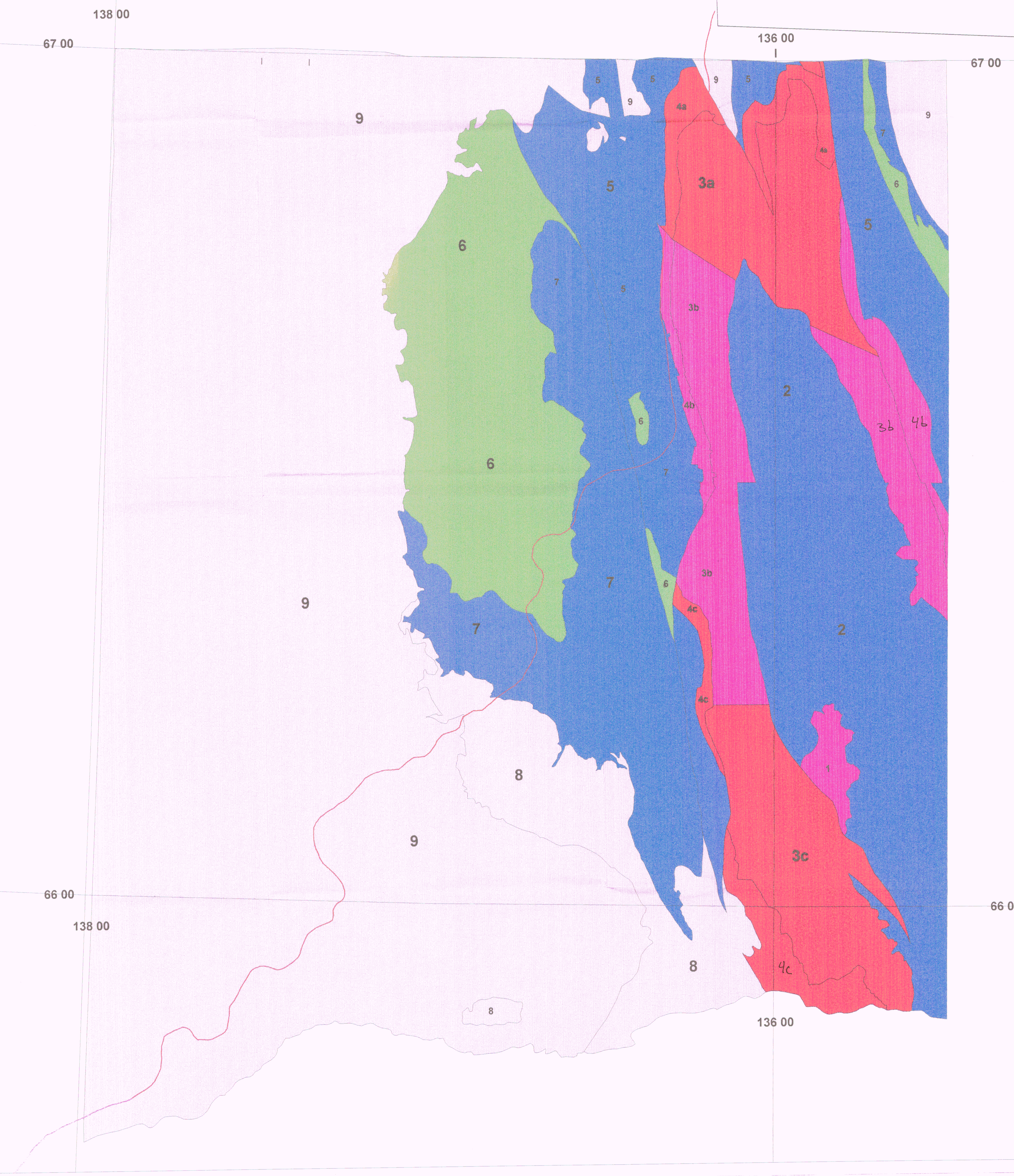

Highest

Lowest

potential but insufficient data

Tracts 1 to 9 are defined in report

Mineral Potential Map

Eagle Plains Project

scale 1: 250 000

Eagle Plains- Mineral Assessment Update
Internal Report

Danièle Héon
YTG- Department of Economic Development
Mineral Resources Branch

Fieldwork July 2000
Report January 2001

Background and summary

A total of seven days of fieldwork were spent in the Eagle Plains area during July 2000. This was an occasion to follow-up on results obtained from the last field season, which took place in the summer of 1996. A helicopter contracted out by Yukon Territorial Government (YTG) Renewable Resources was based out of the Eagle Plains Hotel. Aside from two days of fly-camping, the hotel was used as a base.

Fieldwork had been done in 1995 and 1996, and a mineral assessment map was produced in the spring of 1997. Please refer to the 1997 report "Mineral Potential of the Eagle Plains Study Area" (Héon, 1997) for the description, results and conclusions of this work.

The 2000 fieldwork was designed to refine the previous analysis. Helicopter support based in Eagle Plains Hotel permitted the author to visit new sites within the original study area, as well as to return to previously visited sites where further study could assist in refining the original conclusions on mineral potential. It was not the goal of this additional fieldwork to expand the study area and include a larger area into the analysis. To do so would require more time and helicopter support than was available.

This additional fieldwork confirmed the conclusions derived from the earlier study. No changes were made to the mineral potential map. The areas ranking the highest in the 1997 exercise were confirmed to be high. Additional investigations in the Canyon Creek area and in rocks of the Canol/ Road River Formations further supported the high potential ranking given in 1997. In response to the strong anomalous response in the stream sediments of the Canyon Creek area, the Geological Survey of Canada (GSC) conducted additional heavy mineral sampling in the area. These results are still pending.

The location of the sampling area of the 2000 field season was integrated with previous sampling; all samples are shown on the sample location map accompanying this and the original report (see Appendix 6).

Maps and Appendices

Maps accompanying the 1997 report (1:250 000) were finalized or re-drawn and are included with this report. They were referred to, and still are, as: Appendix 5: Geology Map, appendix 6: Sample Location Map, and Appendix 7: Mineral Potential Map. Assay results from the 2000 field season are addended here in Appendix 8. Note that Appendices 1, 2 and 3 are included in the original 1997 report.

<u>NOTE:</u> Integrating the new results with the former work has required updating the database using different mapping software and different sources of geological data than was used in 1997.

- The sample location map includes all the samples collected during the 1995, 1996 and 2000 field programs.
- The digital geology base was obtained from S.P. Gordey and A.J. Makepeace, 1999. The Yukon digital geology and has been brought into ArcInfo and projected onto a topographic base using UTM NAD 83 projection. The tracts have been clipped to the digital geology.
- The original work was done using D.K. Norris' (1981) geology maps (1:250 000), and the tract boundaries used during the assessment were drawn based on the paper version of these maps.

- The registration between the digital geology, the outline of the Dempster Highway and the topographic base is not perfect. For example, the Dempster Highway should be closer to the Imperial/Canol contact on the western flank of the Richardson anticline, which corresponds to the boundary between tracts 4 and 5. The sample locations, however, were re-digitized using the UTM NAD 83 base, and therefore are registered properly with respect to the topographic base. The tract map should be used with caution when used to assist boundary definition of the protected area. The actual boundary of the tract should be defined by recent sample locations. A geologist should therefore be involved to assist in the proper use of the map.
- Tract definition, as outlined in the 1997 report, differs slightly due to the differences in the geological base, and the greater level of detail in the tract definition. Gordey and Makepeace include the Devonian Unnamed Shale (Dus) Formation in their Devonian Imperial assemblage (Di), while Norris separates these two units. Tract 6 is defined as Devonian Unnamed Shale, according to Norris' nomenclature, and also includes some of the Tuttle Formation.
- The 1997 study area extended to the west of the current maps until 138° Longitude. The current map outline clips the westernmost part of that outline; the area clipped out was all within tract 9.

Results

- **Tetlit Creek /Tract 4b.** Samples 00DH-25 to-27,-38 and 00DH- 00RZ-8 to –10.

This location was chosen to investigate part of the Road River/ Canol stratigraphy on the eastern side of the Richardson anticline. Regional geochemical survey samples indicated anomalous geochemistry. Cecile (1982) had noted metre-long sections that were reactive to zinc zap (a solution which reacts with zinc to produce a bright red colour on the surface of the rock and denotes the presence of zinc); and the contact between the two formations needed testing for potential for shale-hosted nickel-sulphide deposits (Nick-type).

The contact itself was not exposed, which is typical for much of the area due to its recessive nature. The dark carbonaceous shales of the Road River Group, (CDr4 of Norris (1981b), SDv of Cecile (1982), CDr5 of Gordey and Makepeace (1999)), are interbedded with several beds and lenses of massive, fine-grained pyrite. Locally, the pyrite is framboidal and is within a carbonate matrix; beds may be planar to nodular. Observed thickness of pyrite beds varies from 2 to 6 cm. The pyritic intervals are slightly elevated in vanadium. Sample 00DH-25c was a rough chip sample measuring 6 m, did not include any mineralized pods, and returned anomalous values of 48.5 ppm Mo and 478 ppm V.

Systematic chip samples of the stratigraphy were taken further down section, where Cecile had noted high zinc content in the shales (from Zinc Zap). Access was hindered by very high water in the creek and was limited to two sites where a section could be sampled. The zinc-rich areas were not located, eight samples were taken and none were anomalous. The presence of granitic boulders in the creek bed (00DH-38) indicates that the limit of the Laurentide Glaciation was further west than what was previously mapped on this creek.

The anomalous results for this area were not explained, therefore a re-examination of the area must be considered. Further investigations could yield results that may increase the ranking of this tract.

- **Vittrekwa MINFILE Occurrence (106L 55)/ Tract 3a** Samples 00DH-28 to –34.

This MINFILE occurrence is described as breccia and veins with minor galena and sphalerite. Several types of veins and breccia were documented. A coarse calcite vein marks the trace of a strand of Richardson Fault Array; sample 000DH-34, a dark grey carbonate vein cut by thin ankerite veinlets and en echelon tension gashes, returned values of 4433 ppm Pb and 8535 ppm Zn.

- **Border MINFILE Occurrence (106L 017)/ Tract 3a.** Samples 00DH-35.

This gypsum occurrence was interpreted to be 'intruded' in a splay of the Richardson Fault array. The main body of the outcrop consists of heterolithic breccia in a matrix of anhydrite and/or gypsum. Fragments are angular to rounded, are roughly aligned along a rough fabric and include: thinly bedded argillite, carbonaceous argillite, chalky to punky gypsum, shiny anhydrite, massive calcite and pinkish, locally greenish, fine-grained sandstone/quartzite which is locally pyritic. Slick planes are locally coated with specular hematite breccia. A greyish clay mineral is also observed, possibly an alteration of the hematite. North of the main outcrop, a zone of sluffed float is characterized by red weathering rocks. Idocrase crystals are found in light coloured, clay-altered rock, and in seams in red-ochre breccia.

Limestone, chert and shale of the Road River Formation outcrop west of the main outcrop.

- **Tuttle east, outside the study area.** Samples 00DH-36 to –38.

A short traverse in a creek bed was conducted through the Devonian Unnamed Shale, Carboniferous Tuttle and Ford Lake formations, on the eastern flank of the Richardson Anticline. The purpose of the traverse was to investigate the Cretaceous section to the east, however the traverse was not completed. The area is characterized by landslides in the Ford Lake shales. The Tuttle conglomerates are rusty, and contain bright green chert pebbles. No significant mineralization was found

- **Kp-12, Tract 4c.** Samples 00DH-39.

An outcrop showing the favourable geological environment for Nick-type mineralization, along strike from known occurrences, of was observed during the 1996 field season but was not sampled. The 1996 work was following up on occurrences discovered by Wayne Goodfellow (pers. com.) (GSC) in 1994. The 2000 fieldwork confirmed the setting for Nick-type mineralization at station 96KP-12. The rock exposure consists of a steep and crumbly rock face lining a creek. The favourable horizon, between the limestone ball horizon of the Road River Formation and the siliceous shales and thin-bedded cherts of the Canol Fm.Formation (see 1997 report), was either inaccessible, was sluffed in, or appeared to be faulted off. Assays show, however, that the horizon is present, even if it was not recognized megascopically. A sample of a vuggy, limonitic limestone pod or bed (**00DH-39a**) with annabergite and clusters of pyrite cubes, assayed **1.3% Ni**, 721 ppm Mo and was anomalous in gold and platinum group elements (PGEs), as well as other elements (see below and Appendix 8). This setting would be similar to that documented in sample 96DH-169, where mineralization is hosted in a limestone bed instead of in carbonaceous material.

The only other locations where the contact was accessible occurred in an area intersected by local faults. Chip samples were taken nonetheless, and sample 00DH-39e returned values of **1038.8 ppm Mo** and 1412 ppm Ni (see other anomalous values below). No barite nodules were found on the outcrop.

These two samples confirm that the shale-hosted nickel-sulphide horizon, or its geological setting, which was documented in 1996 at three other locations (96 DH-33, -42 and -169), has a strike length of at least 9 km. When considering the two other occurrences found by W. Goodfellow near the Peel River (samples WDG94-1 and WDG94-2), the whole flank of the Richardson Antiform becomes prospective for this type of mineralization.

sample	Ni	Mo	Cu	Zn	As	Sb	V	Au	Pt	Pd
	ppm	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppb*	*ppb*	*ppb*
O0DH-39a	13,242	721.6	148	3184	1575	61.5	107	64	98	60
O0DH-39e	1412	1038.8		462	1028	37.2	194	5	4	<2

- **Phosphate Tract X** Samples 00DH-40, 96HR-14.

Previous sampling (96HR-14) of a nodular shale horizon (?) of the Hart River Formation assayed 5.9% P; a gas odour was present. The Hart River Formation contains the Chance Sandstone Member, a recognized oil and gas reservoir rock.

Systematic chip sampling of stratigraphy was completed during the 2000 field season (samples 00DH-40a to f). At that time, oil seeps were observed in the rock face, and the area smelled of oil. A goniatite fossil was observed in outcrop.

The cliffy exposure consisted of nodular shales interbedded with nodular limestone and calcareous siltstone. The best assays were 2.1 and 2.4% P (00DH-40a and c), in nodular shales. The Hart River Formation contains spiculitic limestone, which probably accounts for the high phosphorus values, however the shales at this locality are also phosphatic.

A localized pinkish-red, earthy-altered section occurs at the western edge of the exposure. The alteration appears to be localized at this outcrop and does not extend along strike. Alteration is observed as rough horizontal banding of earthy white alteration alternating with earthy red coloured rocks, which contain clots of bright yellow secondary minerals (not native sulphur since assays for sulphur were low). Sampling of the red altered rocks yielded results of 99 ppm Mo, 12.7 ppm Ag, 121.7 ppm Cd, 1099 ppm V, 204 Cr (up to 288); some samples contained up to 120 ppm B. The station is located near a thrust fault mapped by Norris (1981). X-Ray Fluorescence (XRF) and thin section analyses are recommended on these rocks to characterize the nature of the alteration, which may be fault controlled.

- **Side Canyon Creek Tract 3c**. Samples 00DH-41 to –44, 00RZ-10 to –17.

This area is characterized by interbedded shale and limestone of the Road River Group (CDr1,Norris; COr, Cecile; CDr2 Gordey). Pyrite is present as interbeds or as fine disseminations in limestone and in shale. Regional geochemistry is highly anomalous; one 1996 sample assayed 7020 ppm Zn and was anomalous in Sb, Ni, Cd, and As (96DH-132, fine disseminated pyrite in limestone).

The 2000 sampling included grab samples as well as systematic chip sampling (2 m) of the stratigraphy. A float sample of platy shale reacting to Zinc Zap assayed 4825 ppm Zn (00DH-41e). Sample 00DH-44 isolated the pyritic cross-bedded base of chip sample 00DH-42f; it assayed 6580 ppm Zn. Chip sampling of alternating shale/limestone/shaly limestone, in the lower part of the exposure (00DH-42), outlined a section anomalous in Zn, Mo, Sb and Bi.

Only a short section of the creek was accessible due to a steep waterfall blocking access to the upper reaches of the creek. Access above the waterfall would necessitate more time than was available.

This area has a metal signature which indicates potential for sedimentary exhalative (SEDEX)-type mineralization. The anomalous silts of surrounding creeks, as well as the high barium content of sample 96HR-2 (32.2%), which was not revisited in 2000, are very favourable indicators for SEDEX-type mineralization. Although no significant showings have been found to date, further investigation of these results is necessary.

The GSC collected additional heavy mineral samples in the area and results are pending.

- **Ray's Cave Tract X**, Samples 00DH-45 to -46.

These samples were taken from the Cambrian Iltyd Formation, above a cave located by an archeological team. Sample 00DH-45 consists of a porous limonitic breccia with limonite/goethite both as fragments and cement; this sample assayed 2295 ppm Cu and 63.4 ppm Bi. Similar breccia had been sampled in 1995 and 1996 on the RAS-TUS claims.

- **Pothole Lake- PJC,** Samples 00DH-50 to -51, 00RZ-18 to -19.

Located south of the Peel River and outside the original Study Area, these outcrops were visited in order to investigate the source of a regional geochemical gold anomaly. Mapped as the Permian Jungle Creek Formation, the rocks consisted of bleached, white-weathering, light brown siltstone with local wispy laminations. No anomalous metal values were obtained.

- **NOR occurrence (MINFILE 106L 061), outside of Study Area.** Samples 00DH-47 to -49. This drilled Wernecke Breccia occurrence was visited and the core was sampled. Mineralization consisted of chalcopyrite, specular hematite, magnetite?, pitchblende? in veinlets and as disseminations in brecciated and altered dolostone? Alteration is characterized by variable degrees of hematization, chloritization, and carbonatization.

  Previous regional mapping indicated that the breccia was hosted in a fault-bounded block of Proterozoic Quartet shales. The main outcrop (informally called Hematite Hill) near the abandoned camp consists of massive hematite-specularite mineralization that grades into disseminated mineralization in carbonate rocks. This is interpreted to occur as replacement in Proterozoic Gillespie dolostones. South of the hematized zone, thinly bedded limey rocks appear slightly hornfelsed, this may be due to a buried dioritic intrusion such as those that are usually associate to Wernecke-Breccia-type occurrences.

  Previous exploration results documented uranium, copper and gold mineralization, similar to the breccia occurrences found in the Wernecke Mountains.

- A gossanous cliffy outcrop was located from the air at UTM coordinates 427652 E, 7347521N (NAD 27). The appearance of the outcrop and the type of alteration resembled the outcrops at station 00DH-40.

Acknowledgements

Rick Zuran is thanked for excellent field and office work. Fireweed Helicopters from Dawson City provided helicopter support. The staff at Eagle Plains Hotel, as always, was helpful and supportive. Panya Lipovsky did superb work updating, finalizing and creating the different maps accompanying this report.

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Appendix 8

Assay Results (2000)

ELEMENT		Ag	Al	As	Au**	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	Au	Pt	Pd
SAMPLES		ppm	%	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm			
00DH-25a	Tetlit Ck	1.3	0.11	100	**27**	8	5	< .5	1.36	< .2	< 1	14	382	30.78	< 1	< 1	0.03	2	0.09	71	6.7	0.002	47	0.022	628	35	**56.9**	< .1	96	2	0.001	4	2	45	2	322			
00DH-25c	Tetlit Ck	0.8	0.72	29	6	23	118	2.1	4.82	14.9	7	30	105	1.51	< 1	< 1	0.26	6	1.86	185	**48.5**	0.01	94	0.111	39	1.41	13.5	5.2	222	4	0.003	< 1	6	**478**	< 1	786	3	5	6
00DH-25d	Tetlit Ck	0.4	0.17	100	10	10	5	< .5	1.75	< .2	2	14	147	29.34	< 1	< 1	0.06	3	0.7	85	12.4	0.004	39	0.004	105	33	6.6	1	51	2	0.003	3	2	21	2	66			
00DH-25e	Tetlit Ck	0.5	1.71	14	< 2	59	45	1.1	9.46	0.6	< 1	24	23	1.87	4	< 1	0.48	17	0.16	21	23	0.012	14	**1.289**	27	6.02	11.7	7.3	452	2	0.005	1	2	223	< 1	44			
00DH-26	Tetlit Ck	1.8	0.41	7	11	17	23	< .5	0.13	< .2	< 1	19	22	4.5	< 1	1	0.13	4	0.04	19	**56.2**	0.003	12	0.003	104	5.83	37.4	0.8	134	1	0.001	< 1	2	60	5	45			
00DH-27	Tetlit Ck	0.5	1.99	21	< 2	10	127	1.7	18.19	**67.6**	9	21	61	2.83	1	1	0.02	< 1	7.54	1181	20.9	0.018	246	0.142	14	0.82	8.7	9.2	1346	1	0.002	< 1	42	140	1	1161			
RE 00DH-27	Tetlit Ck	0.5	2.01	21	9	5	129	1.8	18.35	**66.9**	9	21	62	2.86	1	1	0.02	1	7.62	1189	21.2	0.02	245	0.14	16	0.81	9.1	9.3	1361	1	0.002	< 1	43	142	2	1158			
00DH-29	Vittrekwa	0.6	0.12	11	2	6	73	0.6	21.07	0.8	1	4	12	0.73	2	1	0.08	5	8.57	566	1.3	0.016	4	0.039	27	< .01	7.7	2.4	191	2	0.001	< 1	1	13	< 1	273			
00DH-30	Vittrekwa	0.6	0.02	22	6	5	139	1	36.77	0.8	6	1	25	2.06	1	1	< .01	1	0.28	608	4.3	0.007	7	0.016	14	< .01	11.7	1.3	357	< 1	< .001	< 1	1	7	< 1	78			
00DH-32	Vittrekwa	2.2	0.31	27	3	8	175	< .5	14.06	3.7	2	3	88	30.3	3	< 1	0.1	4	0.19	232	11.7	0.004	51	0.019	**4433**	< .01	5.7	1.6	59	2	0.001	3	8	21	< 1	**8534**			
00DH-34	Vittrekwa	0.5	0.04	10	5	11	26	< .5	41.62	0.2	< 1	< 1	4	0.37	< 1	1	0.03	2	0.18	436	0.9	0.012	1	0.008	12	< .01	8.8	1.3	428	< 1	0.001	1	< 1	4	< 1	50			
00DH-35a	Border (gyps)	0.3	0.12	6	2	10	55	2.4	11.79	< .2	7	6	55	1.59	1	< 1	0.05	1	3.5	1015	6.3	0.024	6	0.041	37	5.51	3.2	2.4	477	5	0.002	< 1	1	7	< 1	53			
00DH-35b	Border (gyps)	0.3	0.09	8	8	2	69	1.2	3.76	< .2	20	17	31	3.55	1	< 1	0.08	5	2.64	1781	2.9	0.017	22	0.048	21	2.16	11.5	4	169	7	0.013	< 1	2	33	1	32			
00DH-35c	Border (gyps)	0.1	0.07	3	< 2	9	12	< .5	8.49	< .2	6	9	3	1.27	1	< 1	0.05	4	4.31	1730	1	0.054	16	0.093	19	0.1	3.3	9.8	47	13	0.003	< 1	< 1	6	< 1	31			
00DH-35d	Border (gyps)	0.3	0.08	4	< 2	9	24	0.5	4.74	< .2	2	10	14	0.95	1	< 1	0.12	8	2.49	954	1.8	0.081	6	0.054	14	0.11	9.4	2.8	31	9	0.006	< 1	1	19	< 1	15			
00DH-35e	Border (gyps)	0.1	0.47	7	4	13	175	< .5	9.34	0.5	2	8	7	0.55	2	< 1	0.02	3	6.34	277	1.4	0.009	5	0.009	8	0.42	2	2.1	204	1	< .001	< 1	< 1	8	< 1	92			
00DH-36	Tuttle East	0.2	0.9	12	7	7	304	< .5	0.57	< .2	6	21	53	4.91	2	< 1	0.17	6	0.61	249	2.3	0.011	59	0.031	20	0.45	3.7	4.8	24	3	0.001	< 1	2	32	1	154			
00DH-37b	Tuttle East	0.2	0.71	7	8	7	162	< .5	0.22	< .2	2	29	16	11.47	2	< 1	0.14	5	0.27	245	2.9	0.012	19	0.058	20	0.61	2.5	2.2	22	3	0.002	< 1	1	37	4	96			
00DH-38a	Tuttle East	0.3	0.7	7	9	15	195	0.5	17.08	< .2	5	27	11	1.48	4	< 1	0.48	10	6.15	191	0.7	0.009	14	0.023	13	1.13	4.8	6	333	3	0.015	< 1	< 1	24	< 1	9			
00DH-38b	Tuttle East	0.4	0.11	8	9	11	94	0.6	20.07	< .2	1	7	5	0.55	1	< 1	0.1	5	8.99	341	1	0.02	5	0.046	17	0.23	5.3	2.6	70	2	0.001	< 1	1	11	< 1	4			
00DH-39a	KP-12	1.1	0.18	**1575**	**64**	7	65	1.2	24.48	6.5	59	11	148	10.51	8	4	0.07	24	0.54	244	**721.6**	0.014	**13242**	0.317	22	8.4	**61.5**	2.9	823	2	0.002	38	24	107	< 1	**3184**	51	98	60
00DH-39b	KP-12	0.5	0.16	20	4	10	291	< .5	35.59	0.7	1	5	12	0.44	< 1	1	0.09	3	1.89	268	8.5	0.02	40	0.044	7	0.2	9.7	2.2	1114	1	0.001	1	2	78	< 1	61			
00DH-39c	KP-12	0.4	0.51	25	< 2	11	86	< .5	18.14	4.9	13	13	62	2.24	1	< 1	0.18	7	0.94	438	19.4	0.007	209	0.042	15	2.2	7.5	7.2	389	4	0.001	< 1	10	92	< 1	332			
00DH-39d	KP-12	0.3	0.49	36	< 2	14	53	< .5	3.91	0.7	6	13	47	3.56	1	< 1	0.27	7	0.1	44	42.4	0.015	98	0.049	14	3.36	3.9	2.9	55	3	0.001	< 1	3	93	< 1	200			
00DH-39e	KP-12	0.8	0.38	**1028**	5	11	77	0.8	15.3	6.6	9	16	53	8.73	3	1	0.86	8	1.28	319	**1038.8**	0.052	**1412**	0.165	17	3.82	37.2	5.9	683	3	0.001	25	7	194	1	462	8	4	<2
00DH-40a	phosphate	4.3	2.64	41	2	103	163	< .5	7.65	1.2	2	**288**	51	2.84	6	< 1	0.58	44	0.46	40	21.7	0.037	86	**2.469**	16	1.6	4.3	9.6	247	8	0.006	< 1	15	149	< 1	208			
00DH-40b	phosphate	0.8	0.22	19	4	21	81	< .5	34.62	0.8	1	26	18	1.55	1	< 1	0.08	4	0.41	57	4.4	0.016	24	0.037	13	1.38	9.7	3.9	637	2	0.001	< 1	1	30	< 1	97			
00DH-40c	phosphate	3.6	2.6	49	5	**105**	163	< .5	6.92	0.9	2	**298**	45	2.48	6	< 1	0.6	28	0.31	28	28.8	0.042	98	**2.184**	17	1.56	4.3	7.6	260	5	0.005	< 1	11	140	< 1	152			
00DH-40d	phosphate	3.7	1.72	30	2	82	111	< .5	2.59	0.7	2	**217**	40	1.72	5	< 1	0.4	42	0.16	16	18.7	0.024	95	0.875	16	2.38	2.4	9.6	158	8	0.002	< 1	29	132	< 1	105			
00DH-40e	phosphate	5.5	1.52	21	6	84	173	< .5	3.51	4.7	5	**219**	65	1.82	4	< 1	0.4	30	0.59	46	13.9	0.029	117	0.991	14	1.48	3.2	7.7	184	6	0.003	< 1	11	150	1	334			
00DH-40f	phosphate	0.8	0.54	15	4	35	152	< .5	8.07	0.4	4	61	38	1.61	4	< 1	0.19	8	3.89	165	4	0.037	68	0.052	12	1.28	2.9	4.7	180	4	0.001	< 1	2	65	< 1	198			
00DH-40g	phosphate	7.4	2.35	45	12	**120**	148	< .5	17.37	1.2	2	**178**	47	1.1	4	< 1	0.32	35	0.35	45	29.5	0.103	82	0.594	12	3.04	11.2	7.7	513	4	0.036	1	9	386	< 1	223			
00DH-40h	phosphate	12.7	0.89	88	9	28	45	< .5	9.89	**121.7**	2	**204**	96	0.52	< 1	< 1	0.13	46	0.05	21	99.3	0.02	89	0.879	16	7.14	3.5	12.8	370	6	0.017	1	23	**1099**	< 1	160			
00DH-40i	phosphate	11.6	1.38	51	8	**111**	141	< .5	23.87	3.5	1	**271**	53	0.56	< 1	< 1	0.32	24	0.33	29	61.2	0.105	72	0.464	7	2.19	11.9	7.6	647	3	0.028	1	11	**608**	< 1	266			
00DH-40j	phosphate	7	0.54	37	11	38	179	< .5	26.99	9.4	2	**160**	41	0.76	1	< 1	0.14	22	0.34	35	17.3	0.026	93	0.476	12	1.05	13.2	8.5	752	3	0.002	< 1	12	252	< 1	386			
00DH-41a	side canyon ck	0.9	0.39	85	2	14	31	0.6	9	4.6	1	23	46	10.96	2	< 1	0.08	6	0.87	79	24.9	0.006	21	0.067	36	9	**60.6**	1.8	226	1	0.003	< 1	5	59	4	365			
00DH-41b	side canyon ck	0.7	0.07	15	4	7	214	< .5	34.56	1.7	< 1	2	6	0.13	< 1	1	0.02	5	0.33	61	4.6	0.004	4	0.014	10	< .01	12.6	1.4	717	< 1	< .001	1	< 1	12	< 1	122			
00DH-41d	side canyon ck	1.3	0.28	40	9	7	121	< .5	27.31	0.2	2	5	13	2.11	1	1	0.05	9	1.11	63	5.2	0.008	25	0.011	16	1.54	19	1.8	589	1	0.001	< 1	2	31	< 1	24			
00DH-41e	side canyon ck	2.6	0.54	16	5	8	189	0.6	19.78	**83.7**	1	9	93	0.56	1	1	0.13	10	0.98	56	9.1	0.009	15	0.035	12	0.33	14	2.6	452	1	0.003	< 1	4	297	< 1	**4825**	2	3	2
00DH-41f	side canyon ck	0.3	0.05	9	6	8	56	< .5	19.11	0.2	< 1	12	4	0.41	< 1	< 1	0.03	4	0.38	62	2.1	0.007	2	0.079	8	0.21	2.1	0.9	430	< 1	< .001	< 1	3	9	2	18			
00DH-42a	side canyon ck	2.8	1.52	30	3	24	574	0.8	7.04	11.9	4	48	120	1.39	2	< 1	0.45	17	2.35	94	26.2	0.013	51	0.352	22	0.15	20.6	4.4	183	5	0.012	< 1	7	**649**	< 1	755			
00DH-42b	side canyon ck	2.2	1.21	30	7	15	391	0.6	8.63	7.3	5	30	56	1.96	3	< 1	0.3	14	2.18	97	43.5	0.012	50	0.201	26	0.38	30.6	3.8	214	4	0.01	< 1	7	288	< 1	715			
00DH-42c	side canyon ck	1.5	1.22	19	3	15	531	0.5	11.05	10.9	3	30	75	1.08	2	< 1	0.33	10	2.42	107	18.7	0.014	42	0.082	17	0.09	17.4	3.8	258	3	0.008	1	5	552	< 1	679			
00DH-42d	side canyon ck	2.4	1.58	38	< 2	21	703	0.5	5.23	6.9	8	41	99	3.3	3	< 1	0.4	16	2.26	99	41.2	0.011	75	0.219	27	0.22	32.8	4.5	151	4	0.012	< 1	10	**479**	1	857			
00DH-42e	side canyon ck	2.5	1.34	30	7	19	497	0.6	7.97	16.5	4	39	108	1.39	2	< 1	0.37	15	2.49	101	23	0.012	45	0.269	20	0.37	17.2	3.8	209	4	0.01	1	6	**518**	< 1	835			
00DH-42f	side canyon ck	1.9	1.15	34	5	19	304	0.6	11.49	33.5	5	32	81	1.7	2	< 1	0.32	14	1.88	103	23.5	0.011	54	0.195	24	0.68	22	3.7	250	3	0.01	1	8	378	< 1	2779			
00DH-42g	side canyon ck	4.1	1.55	40	9	21	405	0.5	11.12	27	4	52	179	1.22	2	< 1	0.5	20	2.09	91	29.9	0.013	53	0.373	25	0.15	24.2	4.5	235	5	0.012	< 1	8	**716**	2	1218			
00DH-42h	side canyon ck	4.9	1.2	150	6	14	88	0.6	12.32	18.8	3	42	163	7.05	2	< 1	0.29	15	2.5	127	31.9	0.011	66	0.182	85	5.78	**58.8**	3.4	287	4	0.009	1	8	**533**	1	1010			
00DH-43	Illtyd cave	0.6	0.18	22	5	5	136	0.5	18.81	0.3	< 1	8	11	2.53	1	< 1	0.05	13	0.83	100	5.5	0.009	9	0.135	12	2.67	6.7	1.6	361	1	0.001	< 1	3	51	< 1	99			
00DH-44	Illtyd cave	2.2	0.31	135	7	5	54	0.6	8.98	**89.4**	5	11	40	10.89	1	1	0.04	10	1.11	109	11.8	0.005	75	0.156	91	7.82	37	1.7	195	1	0.002	< 1	6	132	1	**6580**			
00DH-45	Illtyd cave	1.3	0.22	97	< 2	11	69	**63.4**	0.92	< .2	1	7	2295	35.13	< 1	< 1	0.09	6	0.04	3752	< .2	< .001	4	0.01	26	0.1	4.2	1.7	8	2	0.001	5	1	7	< 1	44			
00DH-46	Illtyd cave	0.6	0.02	9	< 2	6	31	0.6	38	< .2	< 1	1	13	0.58	< 1	1	0.02	2	0.47	559	0.6	0.007	1	0.001	17	< .01	2.2	1.1	244	< 1	< .001	< 1	< 1	1	< 1	13			
00DH-47a	NOR	0.8	0.38	6	**50**	1	242	4.9	5.99	< .2	12	14	**10928**	14.76	3	< 1	0.27	35	0.08	3564	1.5	0.007	50	0.082	12	< .01	0.9	2.2	50	6	0.007	1	6	20	1	10			
00DH-48	NOR	0.3	0.72	12	< 2	3	7	1.7	22.25	< .2	3	3	383	5.13	4	< 1	< .01	27	0.95	1391	0.6	0.007	220	0.139	6	< .01	2.1	8.1	64	2	0.011	< 1	1	87	2	3			
00DH-50a	PJc	0.1	0.23	5	3	8	226	< .5	0.9	< .2	2	27	19	0.69	1	< 1	0.06	5	0.05	65	3.6	0.005	29	0.055	12	0.02	2.8	1.8	16	2	0.001	< 1	2	12	3	88			
RE 00DH-50a	PJc	0.1	0.22	4	5	9	223	< .5	0.92	< .2	2	26	17	0.65	1	< 1	0.06	5	0.04	55	3.6	0.003	28	0.054	12	0.02	2.6	1.7	16	2	0.001	< 1	2	11	3	88			

ELEMENT		Ag	Al	As	Au**	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg
SAMPLES		ppm	%	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
00DH-50b	PJc	0.1	0.24	4	6	15	65	< .5	2.02	0.2	2	32	12	1.58	1	< 1
00DH-51	PJc	< .1	0.47	7	4	14	140	< .5	0.18	< .2	3	49	106	1.49	1	< 1
00RZ-7	tuttle East	2.4	0.22	69	**28**	18	53	0.5	5.15	< .2	6	6	190	32.1	< 1	1
00RZ-8	Tetlit ck chip	2.7	0.13	6	6	4	40	0.9	1.68	3.7	1	36	113	0.33	< 1	< 1
00RZ-9	Tetlit ck chip	1.1	0.47	13	6	18	148	2.9	9.99	1.2	4	19	71	1.42	2	< 1
00RZ-10	Tetlit ck chip	2.2	0.93	20	6	11	352	< .5	11.44	21.2	2	35	84	0.92	1	< 1
00RZ-11a	side canyon ck	1.3	0.7	12	6	12	48	1.6	7.08	6.1	14	26	106	2.25	2	< 1
00RZ-11b	side canyon ck	1.2	0.38	12	4	5	403	< .5	17.08	8.9	1	13	28	0.47	1	< 1
00RZ-12	side canyon ck	1.7	0.4	37	8	6	115	1	19.39	4.9	1	14	44	1.15	1	< 1
00RZ-13	side canyon ck	0.8	0.26	7	< 2	5	469	< .5	19.59	3.1	1	9	20	0.36	1	< 1
00RZ-14	side canyon ck	1.1	0.42	10	7	5	275	0.7	19.98	2	1	11	43	0.51	1	1
00RZ-15	side canyon ck	1.1	0.25	9	3	6	331	< .5	27.9	3.9	< 1	7	30	0.28	1	< 1
00RZ-16	side canyon ck	1.2	0.28	9	3	7	361	< .5	27.06	13.3	1	6	27	0.37	1	1
00RZ-17	side canyon ck	0.7	0.16	7	2	7	303	< .5	29.96	1.1	1	5	29	0.28	1	< 1
00RZ-18	Pothole Lake	0.2	0.27	15	< 2	8	89	0.8	0.19	0.4	3	55	23	3.27	< 1	< 1
00RZ-19	Pothole Lake	0.1	0.3	3	2	13	76	< .5	0.21	< .2	< 1	36	5	0.64	1	< 1

ELEMENT	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	Au	Pt	Pd
SAMPLES	%	ppm	%	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm			
00DH-50b	0.07	12	0.1	133	4.9	0.007	23	0.124	9	0.02	1.3	1.8	39	2	0.001	< 1	2	12	4	79			
00DH-51	0.14	12	0.05	67	1.9	0.011	21	0.167	9	0.05	0.5	2.1	25	4	0.001	< 1	1	31	< 1	82			
00RZ-7	0.04	< 1	2.17	1264	< .2	0.022	39	0.203	90	1.05	44.8	3.8	109	1	0.001	3	1	18	< 1	151			
00RZ-8	0.07	9	0.44	63	10.3	0.001	12	0.311	407	0.12	8	1.2	31	< 1	0.001	< 1	3	184	7	274			
00RZ-9	0.33	12	4.13	147	9.6	0.006	24	0.207	23	0.91	10.7	4.2	150	2	0.003	< 1	2	111	< 1	139			
00RZ-10	0.26	12	1.45	72	16.5	0.005	29	0.237	53	0.14	14.7	3	286	2	0.006	< 1	5	**456**	2	821			
00RZ-11a	0.32	15	3.03	216	20.4	0.005	79	0.196	40	1.52	7	9	231	4	0.002	< 1	3	163	< 1	453			
00RZ-11b	0.11	8	0.91	69	9.1	0.005	14	0.05	29	0.12	8.8	1.8	467	1	0.002	< 1	2	187	1	437			
00RZ-12	0.11	8	1.25	72	7.4	0.006	14	0.061	27	0.83	21	1.9	487	1	0.002	< 1	2	132	< 1	220			
00RZ-13	0.08	7	0.78	65	8.5	0.006	8	0.033	20	0.07	6.4	1.6	510	< 1	0.002	< 1	2	95	1	145			
00RZ-14	0.12	12	0.74	58	9.9	0.005	14	0.092	17	0.13	10.4	2.2	471	1	0.003	< 1	2	125	< 1	149			
00RZ-15	0.09	6	0.76	51	6.3	0.009	8	0.05	25	0.08	12.9	1.7	636	< 1	0.001	< 1	2	106	< 1	189			
00RZ-16	0.11	6	1.12	52	4.8	0.009	9	0.035	15	0.17	12.5	1.8	581	1	0.001	1	1	103	< 1	647			
00RZ-17	0.06	5	0.99	51	3.6	0.007	6	0.061	14	0.12	10.7	1.5	649	< 1	0.001	< 1	1	45	< 1	70			
00RZ-18	0.06	6	0.03	75	3.8	0.002	57	0.12	18	< .01	5.6	2.3	8	2	0.001	< 1	2	46	1	126			
00RZ-19	0.08	4	0.04	30	2.1	0.002	11	0.057	16	< .01	0.5	1.9	9	2	< .001	< 1	1	18	2	38			

Sample descriptions

00DH-25a	py band in black shale
00DH-25c	shale, rough chip, 6m.
00DH-25d	pyrite pod 8X30 cm
00DH-25e	recessive desintegrated horizon in Dc.
00DH-26	in Dc, rotten py nodule
00DH-27	limestone nodule in Dc near contact with RR
00DH-29	finely fractured and clay altered fault breccia
00DH-30	rusty red limonite (pyrite pseudomorphs?) in thin bedded limestone. Float.
00DH-32	limonitic vuggy earthy fault breccia w cc xtals. Float.
00DH-34	dark grey calcite vein cut by thin ankerite veinlets.
00DH-35a	gypsum breccia with bluish grey alteration .
00DH-35b	f.g. pinkish quartzite w specular hematite in veinlets and as coating on slick planes.
00DH-35c	pinkinsh fault breccia with idocrase?
00DH-35d	" but darker ocher red
00DH-35e	fine grained gypsum breccia, locally pyritic
00DH-36	2m chip in Dus, finely bedded shale/sandstone
00DH-37b	ferricrete in Tuttle
00DH-38a	chip sample RR limestone/chert/shales
00DH-38b	chip sample Rrthin-med bedded shales - slightly calcareous
00DH-39a	vuggy limestone pod w limonitic seams, clusters of py cubes and annabergite
00DH-39b	grey limestone pod w knobby internal texture. No vis. sulph.
00DH-39c	in fault at RR/Dc contact, 40 cm chip
00DH-39d	in fault at RR/Dc contact, rusty, 25 cm chip
00DH-39e	chip sample through RR/Dc contact, probably in fault
00DH-40a	0.8m chip, grey brown fissile shale, loc nodular
00DH-40b	0.2m chip, rusty weath., grey nodular limestone, locally pyritic, oil stained
00DH-40c	1.25m chip, rusty weath, black shale, includes 15% nodules
00DH-40d	0.5mm chip, yellow weath, black shale w cm-sized nodules
00DH-40e	1.5m chip, chalky calcareous siltstone, I/beddd w fissile shale, loc nodular. Loc. pink weath.
00DH-40f	1.5m chip, chalky beige weath brown calcareous siltstone, oil smell.
00DH-40g	brick red fissile shales w lenses & fine layers of white material (gypsum?). s/c.
00DH-40h	maroonish alt. (re-xtal?) siltstone w small nodular white material rimmed by bright yellow xtals. Float.
00DH-40i	clay atered punky fractured "light" rock. White lenses w yellow rims, some greyish coating. o/c.
00DH-40j	finely lam shales with white limy asymetric lenses. s/c.
00DH-41a	thin py-cc banded concordant vein, 2.5 cm thick (10 m long). Float.
00DH-41b	dark limestone w thin py seams and nodules
00DH-41d	limestone with thin py seam to pods to nodules
00DH-41e	lt grey limestone w thin py seams widening into irregular py pods and nodules
00DH-41f	sharpstone breccia w 1-2% diss py cubes.
00DH-42a	chip sample of limstone/shale, 2m
00DH-42b	chip sample of limstone/shale, loc pyritic, 2m
00DH-42c	chip sample of limstone/shale, 2m
00DH-42d	chip sample of mostlyshale, 2m
00DH-42e	chip sample of mostlyshale, 2m
00DH-42f	chip sample of limstone/shale, 2m
00DH-42g	chip sample of limstone/shale, 2m
00DH-42h	chip sample of limstone/shale, 2m
00DH-43	1.5 cm py bed at base of limestone bed in sample 42b
00DH-44	pyritic crossbeds bed at base of limestone bed in sample 42f
00DH-45	rusty limonitic breccia w calc fx in limonitic matirx. Porous, boxwork texture. Flt.
00DH-46	grey weathering vugy limestone wi diss orange spots (py? Ank?)
00DH-47	various core samples
00DH-47a	magnetite globs in brecciated dolostone
00DH-48	specular hematite, massive to disseminated.
00DH-50a	white weathering wispy lam. siltstone
00DH-50b	clay altered and rusty weathering wispy lam. siltstone
00DH-51	clay altered and rusty weathering wispy lam. siltstone
00RZ-7	tuttle, nodule
00RZ-8	dk grey-black fractured. silica injected chert, local graphite
00RZ-9	dk grey-blsck w white coatings of iron sulphate, carbonaceous sh
00RZ-10	dk grey-blsck w white coatings of iron sulphate, carbonaceous sh
00RZ-11a	interbedded shale/limestone. Chip.
00RZ-11b	tn-md bedded lst w tn sh intervals. Chip
00RZ-12	tn-md bedded lst w tn sh intervals. Chip
00RZ-13	tn-md bedded lst w tn sh intervals. Chip
00RZ-14	tn-md bedded lst w tn sh intervals. Chip
00RZ-15	tn-md bedded lst w tn sh intervals. Chip.
00RZ-16	tn-md bedded lst w tn sh intervals. Chip.
00RZ-17	tn-md bedded lst w tn sh intervals. Chip.
00RZ-18	greyy-lt-brown weath, ochre siltstn, fossillifereous
00RZ-19	lt-buff greyy brown siltstn with tr mnx stn

Station no.	UTM_E83	UTM_N83	LONG83	LAT83	LONG_83	LAT_83
			deg/mn/s.	deg/m/s	dec.deg.	dec.deg.
00DH025	466550.3	7399285.8	-135 45 29	66 42 36	-135.7582	66.7103
00DH026	466550.3	7399285.8	-135 45 29	66 42 36	-135.7582	66.7103
00DH027	466550.3	7399285.8	-135 45 29	66 42 36	-135.7582	66.7103
00DH028	458932.4	7405475.4	-135 55 58	66 45 53	-135.9329	66.7649
00DH029	458701.3	7405153.1	-135 56 16	66 45 42	-135.9380	66.7619
00DH030	457997.7	7405260.6	-135 57 14	66 45 46	-135.9540	66.7628
00DH031	456828.6	7405111.2	-135 58 49	66 45 40	-135.9805	66.7613
00DH032	456828.6	7405111.2	-135 58 49	66 45 40	-135.9805	66.7613
00DH033	456828.6	7405111.2	-135 58 49	66 45 40	-135.9805	66.7613
00DH034	456442.6	7404459.6	-135 59 20	66 45 19	-135.9891	66.7554
00DH035	460818.0	7430289.0	-135 53 53	66 59 15	-135.8982	66.9877
00DH036	478153.2	7407347.0	-135 29 47	66 47 1	-135.4966	66.7836
00DH037	478473.5	7407719.4	-135 29 21	66 47 13	-135.4894	66.7870
00DH038	464469.8	7398654.3	-135 48 18	66 42 15	-135.8051	66.7044
00DH039	442072.3	7360467.9	-136 17 40	66 21 30	-136.2946	66.3585
00DH040	426595.0	7340894.6	-136 37 44	66 10 46	-136.6289	66.1797
00DH041	450021.3	7339248.5	-136 6 30	66 10 10	-136.1086	66.1695
00DH042	449701.6	7339753.3	-136 6 57	66 10 26	-136.1159	66.1740
00DH043	449701.6	7339753.3	-136 6 57	66 10 26	-136.1159	66.1740
00DH044	449701.6	7339753.3	-136 6 57	66 10 26	-136.1159	66.1740
00DH045	461646.8	7334810.5	-135 50 57	66 7 52	-135.8494	66.1313
00DH046	461646.8	7334810.5	-135 50 57	66 7 52	-135.8494	66.1313
00DH047	483200.1	7349232.0	-135 22 26	66 15 45	-135.3740	66.2626
00DH048	482720.2	7349541.0	-135 23 5	66 15 55	-135.3847	66.2654
00DH049	483169.8	7348609.3	-135 22 28	66 15 25	-135.3746	66.2570
00DH050	430209.3	7297367.0	-136 31 31	65 47 24	-136.5253	65.7901
00DH051	426084.4	7294247.7	-136 36 49	65 45 40	-136.6137	65.7612
00DH068	449735.3	7325641.4	-136 6 34	66 2 50	-136.1096	66.0474
00RZ007	477784.2	7407241.9	-135 30 18	66 46 57	-135.5050	66.7827
00RZ008	465708.4	7398771.4	-135 46 37	66 42 20	-135.7771	66.7056
00RZ009	465708.4	7398771.4	-135 46 37	66 42 20	-135.7771	66.7056
00RZ010	465708.4	7398771.4	-135 46 37	66 42 20	-135.7771	66.7056
00RZ011	449701.6	7339753.3	-136 6 57	66 10 26	-136.1159	66.1740
00RZ011a	449701.6	7339753.3	-136 6 57	66 10 26	-136.1159	66.1740
00RZ012	449701.6	7339753.3	-136 6 57	66 10 26	-136.1159	66.1740
00RZ013	449701.6	7339753.3	-136 6 57	66 10 26	-136.1159	66.1740
00RZ014	449701.6	7339753.3	-136 6 57	66 10 26	-136.1159	66.1740
00RZ015	449701.6	7339753.3	-136 6 57	66 10 26	-136.1159	66.1740
00RZ016	449701.6	7339753.3	-136 6 57	66 10 26	-136.1159	66.1740
00RZ017	449701.6	7339753.3	-136 6.57	66 10 26	-136.1159	66.1740
00RZ018	429183.1	7298411.5	-136 32 53	65 47 57	-136.5483	65.7993
00RZ019	429377.6	7297335.6	-136 32 36	65 47 22	-136.5434	65.7897
95DH002	416573.2	7348076.4	-136 51 21	66 14 29	-136.8559	66.2416
95DH007	440918.4	7382178.7	-136 19 50	66 33 10	-136.3307	66.5530
95DH008	442647.0	7390428.3	-136 17 44	66 37 38	-136.2956	66.6273
95DH009	447435.1	7431446.6	-136 12 19	66 59 45	-136.2054	66.9960
95DH010	446807.1	7427491.6	-136 13 4	66 57 37	-136.2180	66.9605
95DH011	443687.5	7424694.6	-136 17 17	66 56 5	-136.2881	66.9348
95DH012	442439.6	7384308.5	-136 17 50	66 34 20	-136.2974	66.5724
95DH013	441875.6	7417926.8	-136 19 34	66 52 25	-136.3263	66.8738
95DH014	440908.6	7409664.8	-136 20 39	66 47 58	-136.3443	66.7995
95DH015	441939.8	7409243.2	-136 19 14	66 47 45	-136.3206	66.7959
95DH016	441939.8	7409243.2	-136 19 14	66 47 45	-136.3206	66.7959
95DH017	441939.8	7409243.2	-136 19 14	66 47 45	-136.3206	66.7959
95DH018	441723.2	7409944.2	-136 19 33	66 48 7	-136.3259	66.8021
95DH019	442531.6	7410242.7	-136 18 27	66 48 17	-136.3076	66.8050
95DH020	442531.6	7410242.7	-136 18 27	66 48 17	-136.3076	66.8050
95DH021	443687.5	7424694.6	-136 17 17	66 56 5	-136.2881	66.9348
95DH022	443687.5	7424694.6	-136 17 17	66 56 5	-136.2881	66.9348
95DH023	443687.5	7424694.6	-136 17 17	66 56 5	-136.2881	66.9348
95DH024	443687.5	7424694.6	-136 17 17	66 56 5	-136.2881	66.9348
95DH025	443687.5	7424694.6	-136 17 17	66 56 5	-136.2881	66.9348
95DH026	443687.5	7424694.6	-136 17 17	66 56 5	-136.2881	66.9348
95DH027	443687.5	7424694.6	-136 17 17	66 56 5	-136.2881	66.9348
95DH028	443687.5	7424694.6	-136 17 17	66 56 5	-136.2881	66.9348
95DH029	443687.5	7424694.6	-136 17 17	66 56 5	-136.2881	66.9348
95DH030	443687.5	7424694.6	-136 17 17	66 56 5	-136.2881	66.9348
95DH031	443687.5	7424694.6	-136 17 17	66 56 5	-136.2881	66.9348
95DH032	443687.5	7424694.6	-136 17 17	66 56 5	-136.2881	66.9348
95DH033	443687.5	7424694.6	-136 17 17	66 56 5	-136.2881	66.9348
95DH034	443687.5	7424694.6	-136 17 17	66 56.5	-136.2881	66.9348
95DH035	443687.5	7424694.6	-136 17 17	66 56 5	-136.2881	66.9348
95DH036	443687.5	7424694.6	-136 17 17	66 56 5	-136.2881	66.9348
95DH037	443687.5	7424694.6	-136 17 17	66 56 5	-136.2881	66.9348
95DH038	440918.4	7382178.7	-136 19 50	66 33 10	-136.3307	66.5530
95DH039	440918.4	7382178.7	-136 19 50	66 33 10	-136.3307	66.5530
95DH040	442439.6	7384308.5	-136 17 50	66 34 20	-136.2974	66.5724
95DH041	442439.6	7384308.5	-136 17 50	66 34 20	-136.2974	66.5724
95DH042	442439.6	7384308.5	-136 17 50	66 34 20	-136.2974	66.5724
95DH043	442439.6	7384308.5	-136 17 50	66 34 20	-136.2974	66.5724
95DH044	443219.3	7390569.8	-136 16 57	66 37 43	-136.2828	66.6287
95DH045	443219.3	7390569.8	-136 16 57	66 37 43	-136.2828	66.6287
95DH046	443789.0	7391169.1	-136 16 12	66 38 2	-136.2702	66.6342
95DH047	442647.0	7390428.3	-136 17 44	66 37 38	-136.2956	66.6273
95DH048	443114.6	7396552.2	-136 17 16	66 40 56	-136.2879	66.6823
95DH049	443114.6	7396552.2	-136 17 16	66 40 56	-136.2879	66.6823
95DH050	444117.8	7397402.2	-136 15 56	66 41 24	-136.2656	66.6901
95DH051	445379.9	7397277.5	-136 14 13	66 41 21	-136.2370	66.6892
95DH052	444117.8	7397402.2	-136 15 56	66 41 24	-136.2656	66.6901
95DH053	443117.4	7396113.6	-136 17 15	66 40 42	-136.2877	66.6784

Station no.	UTM_E83	UTM_N83	LONG83	LAT83	LONG_83	LAT_83
			deg/mn/s.	deg/m/s	dec.deg.	dec.deg.
95DH054	442130.5	7395721.2	-136 18 35	66 40 28	-136.3098	66.6747
95DH055	441827.1	7395081.6	-136 18 58	66 40 7	-136.3164	66.6689
95DH056	441718.5	7425308.1	-136 20 00	66 56 23	-136.3335	66.9399
95DH057	441718.5	7425308.1	-136 20 00	66 56 23	-136.3335	66.9399
95DH058	441984.6	7426056.0	-136 19 39	66 56 48	-136.3277	66.9467
95DH059	441984.6	7426056.0	-136 19 39	66 56 48	-136.3277	66.9467
95DH060	441984.6	7426056.0	-136 19 39	66 56 48	-136.3277	66.9467
95DH061	441984.6	7426056.0	-136 19 39	66 56 48	-136.3277	66.9467
95DH062	441984.6	7426056.0	-136 19 39	66 56 48	-136.3277	66.9467
95DH070	441984.6	7426056.0	-136 19 39	66 56 48	-136.3277	66.9467
95DH071	441984.6	7426056.0	-136 19 39	66 56 48	-136.3277	66.9467
95DH072	441984.6	7426056.0	-136 19 39	66 56 48	-136.3277	66.9467
95DH073	441984.6	7426056.0	-136 19 39	66 56 48	-136.3277	66.9467
95DH074	441984.6	7426056.0	-136 19 39	66 56 48	-136.3277	66.9467
95DH075	440853.5	7422696.2	-136 21 6	66 54 58	-136.3519	66.9163
95DH076	443687.5	7424694.6	-136 17 17	66 56 5	-136.2881	66.9348
95DH077	443687.5	7424694.6	-136 17 17	66 56 5	-136.2881	66.9348
95DH080	441875.6	7417926.8	-136 19 34	66 52 25	-136.3263	66.8738
95DH081	441327.3	7414435.2	-136 20 13	66 50 32	-136.3371	66.8423
95DH082	441327.3	7414435.2	-136 20 13	66 50 32	-136.3371	66.8423
95DH083	441327.3	7414435.2	-136 20 13	66 50 32	-136.3371	66.8423
95DH084	442068.1	7404633.6	-136 18 55	66 45 16	-136.3155	66.7546
95DH085	442894.6	7404804.9	-136 17 48	66 45 22	-136.2968	66.7563
95DH086	442894.6	7404804.9	-136 17 48	66 45 22	-136.2968	66.7563
95DH087	443968.5	7404166.9	-136 16 19	66 45 2	-136.2721	66.7508
95DH090	443968.5	7404166.9	-136 16 19	66 45 2	-136.2721	66.7508
95DH091	443968.5	7404166.9	-136 16 19	66 45 2	-136.2721	66.7508
95DH092	443968.5	7404166.9	-136 16 19	66 45 2	-136.2721	66.7508
95DH093	442894.6	7404804.9	-136 17 48	66 45 22	-136.2968	66.7563
95DH094	442894.6	7404804.9	-136 17 48	66 45 22	-136.2968	66.7563
95DH095	461035.0	7336279.5	-135 51 48	66 8 40	-135.8634	66.1444
95DH096	461035.0	7336279.5	-135 51 48	66 8 40	-135.8634	66.1444
95DH097	461035.0	7336279.5	-135 51 48	66 8 40	-135.8634	66.1444
95DH098	461035.0	7336279.5	-135 51 48	66 8 40	-135.8634	66.1444
95DH099	461035.0	7336279.5	-135 51 48	66 8 40	-135.8634	66.1444
95DH100	461035.0	7336279.5	-135 51 48	66 8 40	-135.8634	66.1444
95DH101	461035.0	7336279.5	-135 51 48	66 8 40	-135.8634	66.1444
95DH102	461035.0	7336279.5	-135 51 48	66 8 40	-135.8634	66.1444
95DH103	460870.7	7334767.9	-135 51 59	66 7 51	-135.8666	66.1309
95DH104	461076.5	7335103.2	-135 51 43	66 8 2	-135.8621	66.1339
95DH105	461076.5	7335103.2	-135 51 43	66 8 2	-135.8621	66.1339
95DH106	461468.0	7336453.9	-135 51 13	66 8 45	-135.8539	66.1461
95DH107	461468.0	7336453.9	-135 51 13	66 8 45	-135.8539	66.1461
95DH108	461468.0	7336453.9	-135 51 13	66 8 45	-135.8539	66.1461
95DH109	461468.0	7336453.9	-135 51 13	66 8 45	-135.8539	66.1461
95DH110	461468.0	7336453.9	-135 51 13	66 8 45	-135.8539	66.1461
95DH111	461668.0	7336865.5	-135 50 58	66 8 59	-135.8496	66.1498
95DH112	461668.0	7336865.5	-135 50 58	66 8 59	-135.8496	66.1498
95DH113	461668.0	7336865.5	-135 50 58	66 8 59	-135.8496	66.1498
95DH115	454399.0	7415638.4	-136 2 22	66 51 19	-136.0397	66.8554
95DH116	453462.3	7415982.9	-136 3 40	66 51 29	-136.0612	66.8583
95DH117	452982.7	7415522.7	-136 4 18	66 51 14	-136.0719	66.8541
95DH118	452347.8	7415496.1	-136 5 11	66 51 13	-136.0864	66.8538
95DH119	451680.7	7414624.3	-136 6 4	66 50 45	-136.1013	66.8459
95DH120	449759.6	7416470.7	-136 8 44	66 51 43	-136.1458	66.8621
95DH121	448382.0	7417225.6	-136 10 39	66 52 7	-136.1775	66.8687
95DH122	418095.5	7349557.8	-136 49 22	66 15 19	-136.8230	66.2553
95DH122	431277.2	7377362.5	-136 32 42	66 30 28	-136.5451	66.5078
95DH123	415298.6	7346624.8	-136 52 59	66 13 41	-136.8833	66.2282
95DH124	413275.8	7345274.5	-136 55 38	66 12 56	-136.9273	66.2156
95DH126	442283.6	7417357.8	-136 19 00	66 52 7	-136.3167	66.8687
95DH127	443118.7	7417020.5	-136 17 50	66 51 57	-136.2975	66.8659
95DH128	443118.7	7417020.5	-136 17 50	66 51 57	-136.2975	66.8659
95DH129	443118.7	7417020.5	-136 17 50	66 51 57	-136.2975	66.8659
95DH130	443118.7	7417020.5	-136 17 50	66 51 57	-136.2975	66.8659
95DH131	443118.7	7417020.5	-136 17 50	66 51 57	-136.2975	66.8659
95DH132	443118.7	7417020.5	-136 17 50	66 51 57	-136.2975	66.8659
95DH133	443118.7	7417020.5	-136 17 50	66 51 57	-136.2975	66.8659
95DH135	445588.1	7426649.7	-136 14 44	66 57 9	-136.2456	66.9527
95DH136	445588.1	7426649.7	-136 14 44	66 57 9	-136.2456	66.9527
95DH137	445588.1	7426649.7	-136 14 44	66 57 9	-136.2456	66.9527
95DH138	445588.1	7426649.7	-136 14 44	66 57 9	-136.2456	66.9527
95DH139	445588.1	7426649.7	-136 14 44	66 57 9	-136.2456	66.9527
95DH140	445588.1	7426649.7	-136 14 44	66 57 9	-136.2456	66.9527
95DH141	445588.1	7426649.7	-136 14 44	66 57 9	-136.2456	66.9527
95DH142	446026.4	7425095.1	-136 14 5	66 56 19	-136.2348	66.9388
95DH143	446026.4	7425095.1	-136 14 5	66 56 19	-136.2348	66.9388
95DH144	446253.2	7424095.3	-136 13 45	66 55 47	-136.2292	66.9299
95DH145	446253.2	7424095.3	-136 13 45	66 55 47	-136.2292	66.9299
95DH146	446253.2	7424095.3	-136 13 45	66 55 47	-136.2292	66.9299
95DH147	446253.2	7424095.3	-136 13 45	66 55 47	-136.2292	66.9299
95DH148	446253.2	7424095.3	-136 13 45	66 55 47	-136.2292	66.9299
95DH149	446253.2	7424095.3	-136 13 45	66 55 47	-136.2292	66.9299
95DH150	445806.8	7423024.7	-136 14 20	66 55 12	-136.2389	66.9202
95DH151	445806.8	7423024.7	-136 14 20	66 55 12	-136.2389	66.9202
95DH152	445806.8	7423024.7	-136 14 20	66 55 12	-136.2389	66.9202
95DH154	442479.5	7419650.9	-136 18 47	66 53 21	-136.3133	66.8893
95DH155	442785.1	7420563.8	-136 18 24	66 53 51	-136.3068	66.8976
95DH156	442785.1	7420563.8	-136 18 24	66 53 51	-136.3068	66.8976
95DH157	442785.1	7420563.8	-136 18 24	66 53 51	-136.3068	66.8976

Station no.	UTM_E83	UTM_N83	LONG83	LAT83	LONG_83	LAT_83
			deg/mn/s.	deg/m/s	dec.deg.	dec.deg.
95DH158	443789.1	7420714.5	-136 17 2	66 53 56	-136.2839	66.8991
95DH159	443789.1	7420714.5	-136 17 2	66 53 56	-136.2839	66.8991
95DH160	443789.1	7420714.5	-136 17 2	66 53 56	-136.2839	66.8991
95DH161	442479.5	7419650.9	-136 18 47	66 53 21	-136.3133	66.8893
95DH162	442479.5	7419650.9	-136 18 47	66 53 21	-136.3133	66.8893
95DH163	442036.2	7418968.0	-136 19 23	66 52 59	-136.3231	66.8831
95DH164	443114.9	7418132.9	-136 17 53	66 52 33	-136.2981	66.8758
95DH165	443114.9	7418132.9	-136 17 53	66 52 33	-136.2981	66.8758
95DH166	443946.6	7417369.7	-136 16 43	66 52 8	-136.2788	66.8692
95DH167	444068.8	7416771.2	-136 16 32	66 51 49	-136.2757	66.8638
95DH168	444068.8	7416771.2	-136 16 32	66 51 49	-136.2757	66.8638
95DH169	444221.4	7416007.1	-136 16 18	66 51 25	-136.2719	66.8570
95DH170	442714.8	7415720.6	-136 18 21	66 51 14	-136.3061	66.8541
95DH174	442444.4	7408050.4	-136 18 30	66 47 7	-136.3086	66.7853
95DH175	443186.4	7407173.5	-136 17 28	66 46 39	-136.2913	66.7776
95DH176	444807.1	7405863.6	-136 15 13	66 45 58	-136.2539	66.7661
95DH177	443186.4	7407173.5	-136 17 28	66 46 39	-136.2913	66.7776
95DH178	442444.4	7408050.4	-136 18 30	66 47 7	-136.3086	66.7853
95DH179	442444.4	7408050.4	-136 18 30	66 47 7	-136.3086	66.7853
95DH180	442444.4	7408050.4	-136 18 30	66 47 7	-136.3086	66.7853
95DH182	446871.1	7385270.5	-136 11 52	66 34 54	-136.1980	66.5818
95DH183	446871.1	7385270.5	-136 11 52	66 34 54	-136.1980	66.5818
95DH184	446871.1	7385270.5	-136 11 52	66 34 54	-136.1980	66.5818
95DH185	445385.2	7382790.8	-136 13 49	66 33 33	-136.2304	66.5593
95DH186	430155.6	7383175.2	-136 34 24	66 33 34	-136.5736	66.5597
95DH187	428091.9	7383058.5	-136 37 11	66 33 29	-136.6200	66.5582
95DH188	444416.7	7426207.9	-136 16 19	66 56 54	-136.2722	66.9485
95DH188	425612.0	7384076.7	-136 40 35	66 34 00	-136.6764	66.5667
95DH189	444416.7	7426207.9	-136 16 19	66 56 54	-136.2722	66.9485
95DH190	444416.7	7426207.9	-136 16 19	66 56 54	-136.2722	66.9485
95DH191	444416.7	7426207.9	-136 16 19	66 56 54	-136.2722	66.9485
95DH191	423562.4	7380953.2	-136 43 14	66 32 17	-136.7207	66.5382
95DH192	417156.8	7381551.9	-136 51 54	66 32 30	-136.8652	66.5419
95DH193	418907.6	7379045.9	-136 49 26	66 31 11	-136.8241	66.5199
95DH194	429540.4	7345727.1	-136 33 58	66 13 25	-136.5663	66.2237
95DH195	426815.5	7347065.1	-136 37 39	66 14 6	-136.6276	66.2351
95DH196	433708.4	7410117.4	-136 30 29	66 48 7	-136.5082	66.8021
95DH197	435459.8	7421252.6	-136 28 27	66 54 8	-136.4744	66.9023
95DH198	434790.3	7421658.6	-136 29 23	66 54 20	-136.4899	66.9058
96DH001	442200.2	7422831.5	-136 19 16	66 55 4	-136.3212	66.9178
96DH002	442200.2	7422831.5	-136 19 16	66 55 4	-136.3212	66.9178
96DH003	442200.2	7422831.5	-136 19 16	66 55 4	-136.3212	66.9178
96DH004	442828.6	7422845.5	-136 18 24	66 55 5	-136.3069	66.9181
96DH005	442828.6	7422845.5	-136 18 24	66 55 5	-136.3069	66.9181
96DH005	436305.0	7379883.4	-136 26 00	66 31 53	-136.4334	66.5315
96DH006	442828.6	7422845.5	-136 18 24	66 55 5	-136.3069	66.9181
96DH006	438103.0	7380116.7	-136 23 34	66 32 2	-136.3931	66.5339
96DH007	443737.8	7423035.1	-136 17 10	66 55 11	-136.2862	66.9199
96DH008	443737.8	7423035.1	-136 17 10	66 55 11	-136.2862	66.9199
96DH009	443737.8	7423035.1	-136 17 10	66 55 11	-136.2862	66.9199
96DH010	441718.5	7425308.1	-136 20 00	66 56 23	-136.3335	66.9399
96DH011	441984.6	7426056.0	-136 19 39	66 56 48	-136.3277	66.9467
96DH012	441984.6	7426056.0	-136 19 39	66 56 48	-136.3277	66.9467
96DH013	441984.6	7426056.0	-136 19 39	66 56 48	-136.3277	66.9467
96DH014	441226.4	7427276.3	-136 20 44	66 57 26	-136.3457	66.9575
96DH016	441864.9	7420577.6	-136 19 40	66 53 51	-136.3278	66.8975
96DH017	442785.1	7420563.8	-136 18 24	66 53 51	-136.3068	66.8976
96DH018	442785.1	7420563.8	-136 18 24	66 53 51	-136.3068	66.8976
96DH019	442785.1	7420563.8	-136 18 24	66 53 51	-136.3068	66.8976
96DH020	443789.1	7420714.5	-136 17 2	66 53 56	-136.2839	66.8991
96DH020	441057.8	7404482.9	-136 20 17	66 45 10	-136.3383	66.7530
96DH021	443789.1	7420714.5	-136 17 2	66 53 56	-136.2839	66.8991
96DH022	443789.1	7420714.5	-136 17 2	66 53 56	-136.2839	66.8991
96DH023	453055.9	7354511.5	-136 2 49	66 18 24	-136.0470	66.3069
96DH024	451512.4	7355153.3	-136 4 53	66 18 44	-136.0816	66.3124
96DH025	451512.4	7355153.3	-136 4 53	66 18 44	-136.0816	66.3124
96DH026	450760.5	7355579.0	-136 5 54	66 18 58	-136.0986	66.3161
96DH027	449779.6	7355148.4	-136 7 12	66 18 43	-136.1203	66.3121
96DH028	449779.6	7355148.4	-136 7 12	66 18 43	-136.1203	66.3121
96DH029	448778.6	7353783.5	-136 8 31	66 17 58	-136.1420	66.2997
96DH031	443898.9	7357109.5	-136 15 8	66 19 43	-136.2523	66.3287
96DH032	444462.4	7356933.3	-136 14 22	66 19 37	-136.2396	66.3272
96DH033	444462.4	7356933.3	-136 14 22	66 19 37	-136.2396	66.3272
96DH034	445502.2	7356797.7	-136 12 58	66 19 34	-136.2164	66.3262
96DH035	445502.2	7356797.7	-136 12 58	66 19 34	-136.2164	66.3262
96DH036	445502.2	7356797.7	-136 12 58	66 19 34	-136.2164	66.3262
96DH037	445502.2	7356797.7	-136 12 58	66 19 34	-136.2164	66.3262
96DH038	447226.4	7354133.0	-136 10 36	66 18 9	-136.1768	66.3026
96DH039	446393.9	7354006.3	-136 11 42	66 18 4	-136.1953	66.3013
96DH040	446871.4	7353392.2	-136 11 3	66 17 45	-136.1844	66.2959
96DH041	446414.1	7353351.4	-136 11 40	66 17 43	-136.1945	66.2954
96DH042	446414.1	7353351.4	-136 11 40	66 17 43	-136.1945	66.2954
96DH043	445926.4	7353482.5	-136 12 19	66 17 47	-136.2055	66.2965
96DH044	451962.1	7335088.3	-136 3 50	66 7 57	-136.0640	66.1325
96DH045	451357.0	7333230.7	-136 4 36	66 6 56	-136.0767	66.1158
96DH046	451357.0	7333230.7	-136 4 36	66 6 56	-136.0767	66.1158
96DH047	451357.0	7333230.7	-136 4 36	66 6 56	-136.0767	66.1158
96DH050	450963.5	7332426.6	-136 5 6	66 6 30	-136.0851	66.1085
96DH051	450420.7	7331216.9	-136 5 47	66 5 51	-136.0966	66.0975
96DH052	450998.7	7329673.9	-136 4 59	66 5 1	-136.0832	66.0838

Station no.	UTM_E83	UTM_N83	LONG83	LAT83	LONG_83	LAT_83
			deg/mn/s.	deg/m/s	dec.deg.	dec.deg.
96DH053	450998.7	7329673.9	-136 4 59	66 5 1	-136.0832	66.0838
96DH054	451094.0	7328891.3	-136 4 51	66 4 36	-136.0808	66.0768
96DH055	451094.0	7328891.3	-136 4 51	66 4 36	-136.0808	66.0768
96DH056	450567.5	7328921.0	-136 5 32	66 4 37	-136.0925	66.0770
96DH057	450567.5	7328921.0	-136 5 32	66 4 37	-136.0925	66.0770
96DH058	450849.2	7331620.2	-136 5 14	66 6 4	-136.0873	66.1012
96DH059	449377.4	7322135.4	-136 6 57	66 00 57	-136.1161	66.0159
96DH060	450662.1	7322468.3	-136 5 16	66 1 8	-136.0879	66.0191
96DH061	451350.8	7322863.1	-136 4 22	66 1 21	-136.0729	66.0228
96DH062	451984.2	7323506.3	-136 3 32	66 1 43	-136.0592	66.0286
96DH063	451984.2	7323506.3	-136 3 32	66 1 43	-136.0592	66.0286
96DH064	452156.5	7325214.9	-136 3 21	66 2 38	-136.0560	66.0440
96DH065	452156.5	7325214.9	-136 3 21	66 2 38	-136.0560	66.0440
96DH066	451331.5	7326022.5	-136 4 28	66 3 3	-136.0745	66.0511
96DH067	450595.2	7326816.7	-136 5 27	66 3 29	-136.0911	66.0581
96DH068	454337.5	7324122.9	-136 00 26	66 2 4	-136.0075	66.0345
96DH070	445837.8	7349516.7	-136 12 20	66 15 39	-136.2057	66.2609
96DH071	445837.8	7349516.7	-136 12 20	66 15 39	-136.2057	66.2609
96DH072	445837.8	7349516.7	-136 12 20	66 15 39	-136.2057	66.2609
96DH073	447723.0	7349533.1	-136 9 49	66 15 41	-136.1638	66.2614
96DH074	447214.8	7349480.1	-136 10 30	66 15 39	-136.1751	66.2608
96DH075	446611.7	7349459.5	-136 11 18	66 15 37	-136.1885	66.2606
96DH076	446611.7	7349459.5	-136 11 18	66 15 37	-136.1885	66.2606
96DH077	446611.7	7349459.5	-136 11 18	66 15 37	-136.1885	66.2606
96DH078	445444.4	7348738.0	-136 12 50	66 15 13	-136.2142	66.2539
96DH079	445837.8	7349516.7	-136 12 20	66 15 39	-136.2057	66.2609
96DH080	446533.1	7349956.0	-136 11 25	66 15 53	-136.1905	66.2650
96DH081	447348.5	7350330.7	-136 10 20	66 16 6	-136.1725	66.2685
96DH082	447348.5	7350330.7	-136 10 20	66 16 6	-136.1725	66.2685
96DH083	448618.7	7350434.8	-136 8 39	66 16 10	-136.1442	66.2696
96DH084	447653.7	7338435.1	-136 9 38	66 9 42	-136.1608	66.1618
96DH085	447653.7	7338435.1	-136 9 38	66 9 42	-136.1608	66.1618
96DH086	447653.7	7338435.1	-136 9 38	66 9 42	-136.1608	66.1618
96DH087	447653.7	7338435.1	-136 9 38	66 9 42	-136.1608	66.1618
96DH088	447118.9	7338216.9	-136 10 21	66 9 35	-136.1725	66.1598
96DH089	447118.9	7338216.9	-136 10 21	66 9 35	-136.1725	66.1598
96DH090	447118.9	7338216.9	-136 10 21	66 9 35	-136.1725	66.1598
96DH106	456996.3	7333629.8	-135 57 7	66 7 12	-135.9520	66.1202
96DH107	457269.0	7334396.7	-135 56 46	66 7 37	-135.9462	66.1271
96DH108	457269.0	7334396.7	-135 56 46	66 7 37	-135.9462	66.1271
96DH109	457444.5	7334916.6	-135 56 33	66 7 54	-135.9425	66.1318
96DH110	457769.9	7335130.0	-135 56 7	66 8 1	-135.9354	66.1337
96DH111	457769.9	7335130.0	-135 56 7	66 8 1	-135.9354	66.1337
96DH112	458669.1	7336464.0	-135 54 57	66 8 44	-135.9159	66.1458
96DH113	458669.1	7336464.0	-135 54 57	66 8 44	-135.9159	66.1458
96DH114	458669.1	7336464.0	-135 54 57	66 8 44	-135.9159	66.1458
96DH115	459378.5	7337074.8	-135 54 1	66 9 4	-135.9004	66.1514
96DH116	459378.5	7337074.8	-135 54 1	66 9 4	-135.9004	66.1514
96DH117	459478.3	7337658.8	-135 53 54	66 9 23	-135.8984	66.1566
96DH118	460166.7	7338028.2	-135 52 59	66 9 36	-135.8832	66.1600
96DH119	461715.6	7338060.1	-135 50 55	66 9 37	-135.8489	66.1605
96DH120	462145.7	7338666.9	-135 50 22	66 9 57	-135.8395	66.1660
96DH121	462145.7	7338666.9	-135 50 22	66 9 57	-135.8395	66.1660
96DH122	462145.7	7338666.9	-135 50 22	66 9 57	-135.8395	66.1660
96DH123	462145.7	7338666.9	-135 50 22	66 9 57	-135.8395	66.1660
96DH124	462761.1	7339431.0	-135 49 33	66 10 22	-135.8261	66.1729
96DH125	462761.1	7339431.0	-135 49 33	66 10 22	-135.8261	66.1729
96DH126	462145.7	7338666.9	-135 50 22	66 9 57	-135.8395	66.1660
96DH130	449701.6	7339753.3	-136 6 57	66 10 26	-136.1159	66.1740
96DH131	449701.6	7339753.3	-136 6 57	66 10 26	-136.1159	66.1740
96DH132	449701.6	7339753.3	-136 6 57	66 10 26	-136.1159	66.1740
96DH133	449701.6	7339753.3	-136 6 57	66 10 26	-136.1159	66.1740
96DH134	449701.6	7339753.3	-136 6 57	66 10 26	-136.1159	66.1740
96DH135	449701.6	7339753.3	-136 6 57	66 10 26	-136.1159	66.1740
96DH136	449701.6	7339753.3	-136 6 57	66 10 26	-136.1159	66.1740
96DH137	450021.3	7339248.5	-136 6 30	66 10 10	-136.1086	66.1695
96DH139	449181.7	7339026.5	-136 7 37	66 10 2	-136.1271	66.1674
96DH140	449181.7	7339026.5	-136 7 37	66 10 2	-136.1271	66.1674
96DH150	446506.3	7375319.0	-136 12 6	66 29 32	-136.2019	66.4925
96DH151	446506.3	7375319.0	-136 12 6	66 29 32	-136.2019	66.4925
96DH152	447206.8	7374804.8	-136 11 9	66 29 16	-136.1860	66.4880
96DH153	447206.8	7374804.8	-136 11 9	66 29 16	-136.1860	66.4880
96DH154	447206.8	7374804.8	-136 11 9	66 29 16	-136.1860	66.4880
96DH155	447206.8	7374804.8	-136 11 9	66 29 16	-136.1860	66.4880
96DH156	447206.8	7374804.8	-136 11 9	66 29 16	-136.1860	66.4880
96DH157	448615.1	7374723.4	-136 9 15	66 29 14	-136.1543	66.4875
96DH158	448615.1	7374723.4	-136 9 15	66 29 14	-136.1543	66.4875
96DH159	448615.1	7374723.4	-136 9 15	66 29 14	-136.1543	66.4875
96DH160	449526.6	7374410.9	-136 8 1	66 29 5	-136.1337	66.4848
96DH161	449526.6	7374410.9	-136 8 1	66 29 5	-136.1337	66.4848
96DH162	449526.6	7374410.9	-136 8 1	66 29 5	-136.1337	66.4848
96DH163	449752.4	7374873.1	-136 7 43	66 29 20	-136.1288	66.4890
96DH164	443483.8	7358384.2	-136 15 43	66 20 24	-136.2621	66.3401
96DH165	443823.2	7358769.2	-136 15 16	66 20 36	-136.2547	66.3436
96DH166	443823.2	7358769.2	-136 15 16	66 20 36	-136.2547	66.3436
96DH167	443823.2	7358769.2	-136 15 16	66 20 36	-136.2547	66.3436
96DH168	443823.2	7358769.2	-136 15 16	66 20 36	-136.2547	66.3436
96DH169	443823.2	7358769.2	-136 15 16	66 20 36	-136.2547	66.3436
96DH170	443823.2	7358769.2	-136 15 16	66 20 36	-136.2547	66.3436
96DH171	443823.2	7358769.2	-136 15 16	66 20 36	-136.2547	66.3436

Station no.	UTM_E83	UTM_N83	LONG83	LAT83	LONG_83	LAT_83
			deg/mn/s.	deg/m/s	dec.deg.	dec.deg.
96DH172	443823.2	7358769.2	-136 15 16	66 20 36	-136.2547	66.3436
96DH173	444239.7	7359268.0	-136 14 44	66 20 53	-136.2456	66.3481
96DH174	444239.7	7359268.0	-136 14 44	66 20 53	-136.2456	66.3481
96DH175	445498.5	7346760.7	-136 12 43	66 14 10	-136.2121	66.2362
96DH176	445498.5	7346760.7	-136 12 43	66 14 10	-136.2121	66.2362
96DH177	445996.8	7346362.5	-136 12 3	66 13 57	-136.2009	66.2327
96DH178	445996.8	7346362.5	-136 12 3	66 13 57	-136.2009	66.2327
96DH179	447407.2	7346541.7	-136 10 10	66 14 4	-136.1696	66.2345
96DH180	447920.5	7346442.2	-136 9 29	66 14 1	-136.1581	66.2337
96DH181	448208.7	7345969.5	-136 9 5	66 13 46	-136.1515	66.2295
96DH182	448208.7	7345969.5	-136 9 5	66 13 46	-136.1515	66.2295
96DH183	448208.7	7345969.5	-136 9 5	66 13 46	-136.1515	66.2295
96DH184	442531.6	7410242.7	-136 18 27	66 48 17	-136.3076	66.8050
96DH185	441723.2	7409944.2	-136 19 33	66 48 7	-136.3259	66.8021
96DH186	441411.2	7410620.5	-136 19 59	66 48 29	-136.3333	66.8082
96DH192	447211.7	7425695.7	-136 12 28	66 56 39	-136.2080	66.9444
96DH193	448880.6	7426451.3	-136 10 12	66 57 5	-136.1701	66.9515
96DH194	449130.9	7425209.7	-136 9 49	66 56 25	-136.1639	66.9404
96DH195	449130.9	7425209.7	-136 9 49	66 56 25	-136.1639	66.9404
96DH196	449304.6	7423898.9	-136 9 33	66 55 43	-136.1593	66.9287
96DH197	447635.3	7423893.4	-136 11 50	66 55 41	-136.1975	66.9283
96DH198	447635.3	7423893.4	-136 11 50	66 55 41	-136.1975	66.9283
96DH199	447635.3	7423893.4	-136 11 50	66 55 41	-136.1975	66.9283
96DH200	443962.2	7365868.4	-136 15 17	66 24 26	-136.2548	66.4073
96DH201	445715.0	7365205.8	-136 12 54	66 24 5	-136.2153	66.4016
96DH202	446298.7	7364381.0	-136 12 6	66 23 39	-136.2018	66.3943
96DH203	441353.2	7400126.2	-136 19 46	66 42 50	-136.3295	66.7140
96DH204	440969.6	7400574.3	-136 20 18	66 43 4	-136.3384	66.7180
96DH206	441408.9	7413519.2	-136 20 5	66 50 2	-136.3348	66.8341
96GM001	452376.5	7332930.0	-136 3 14	66 6 47	-136.0540	66.1132
96GM002	452376.5	7332930.0	-136 3 14	66 6 47	-136.0540	66.1132
96GM003	452376.5	7332930.0	-136 3 14	66 6 47	-136.0540	66.1132
96GM004	452376.5	7332930.0	-136 3 14	66 6 47	-136.0540	66.1132
96GM005	452376.5	7332930.0	-136 3 14	66 6 47	-136.0540	66.1132
96GM006	452376.5	7332930.0	-136 3 14	66 6 47	-136.0540	66.1132
96GM007	453058.2	7333248.6	-136 2 20	66 6 58	-136.0390	66.1162
96GM008	453442.4	7332075.9	-136 1 48	66 6 20	-136.0301	66.1057
96GM009	453442.4	7332075.9	-136 1 48	66 6 20	-136.0301	66.1057
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96GM012	453380.0	7330614.4	-136 1 51	66 5 33	-136.0310	66.0926
96GM013	453380.0	7330614.4	-136 1 51	66 5 33	-136.0310	66.0926
96GM014	453380.0	7330614.4	-136 1 51	66 5 33	-136.0310	66.0926
96GM015	453380.0	7330614.4	-136 1 51	66 5 33	-136.0310	66.0926
96GM016	451723.6	7327443.2	-136 3 58	66 3 50	-136.0664	66.0639
96GM017	451723.6	7327443.2	-136 3 58	66 3 50	-136.0664	66.0639
96GM020	451723.6	7327443.2	-136 3 58	66 3 50	-136.0664	66.0639
96GM021	451723.6	7327443.2	-136 3 58	66 3 50	-136.0664	66.0639
96GM022	451723.6	7327443.2	-136 3 58	66 3 50	-136.0664	66.0639
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96GM025	447258.2	7348558.0	-136 10 25	66 15 9	-136.1737	66.2526
96GM026	447258.2	7348558.0	-136 10 25	66 15 9	-136.1737	66.2526
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96GM028	461896.7	7338478.2	-135 50 41	66 9 51	-135.8450	66.1643
96GM029	461896.7	7338478.2	-135 50 41	66 9 51	-135.8450	66.1643
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96GM032	442996.4	7423981.9	-136 18 12	66 55 41	-136.3036	66.9283
96GM033	442996.4	7423981.9	-136 18 12	66 55 41	-136.3036	66.9283
96GM034	442996.4	7423981.9	-136 18 12	66 55 41	-136.3036	66.9283
96GM035	442996.4	7423981.9	-136 18 12	66 55 41	-136.3036	66.9283
96GM036	448305.8	7425203.7	-136 10 57	66 56 24	-136.1827	66.9402
96GM037	448305.8	7425203.7	-136 10 57	66 56 24	-136.1827	66.9402
96GM038	448305.8	7425203.7	-136 10 57	66 56 24	-136.1827	66.9402
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96GM047	459925.7	7322888.8	-135 53 1	66 1 27	-135.8838	66.0242
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96HR017	423521.3	7372588.2	-136 42 59	66 27 47	-136.7164	66.4632
96HR018	427179.2	7375241.0	-136 38 9	66 29 16	-136.6359	66.4878
96HR019	422028.4	7376407.9	-136 45 8	66 29 49	-136.7523	66.4971
96HR020	416477.9	7376001.7	-136 52 36	66 29 31	-136.8767	66.4920
96HR021	416477.9	7376001.7	-136 52 36	66 29 31	-136.8767	66.4920
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96HR025	416817.0	7385908.9	-136 52 32	66 34 51	-136.8758	66.5809
96HR026	415003.2	7381302.4	-136 54 48	66 32 20	-136.9134	66.5391
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96HR040A	463724.2	7330454.0	-135 48 7	66 5 33	-135.8022	66.0925
96HR050	465941.1	7330671.2	-135 45 11	66 5 40	-135.7532	66.0947
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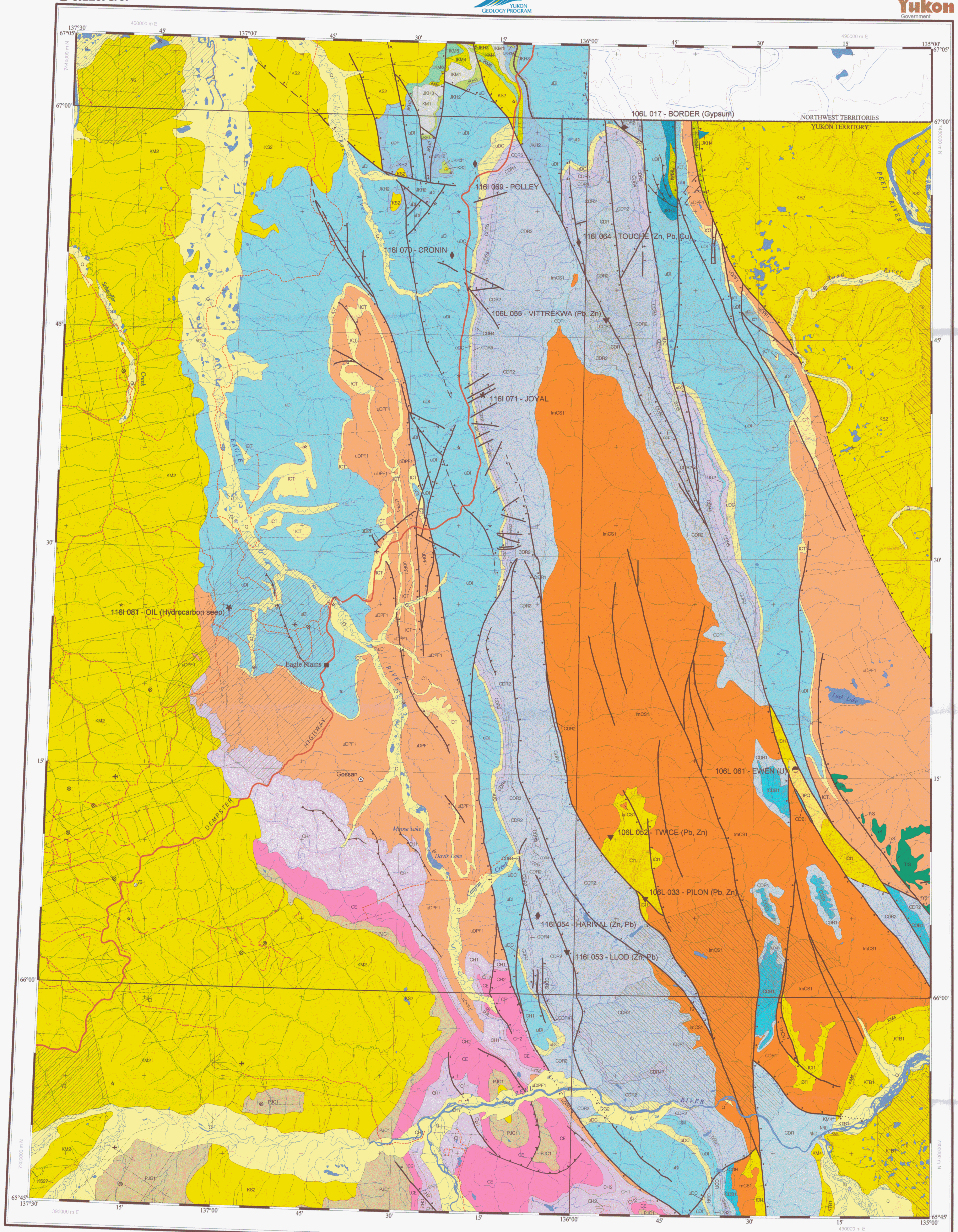
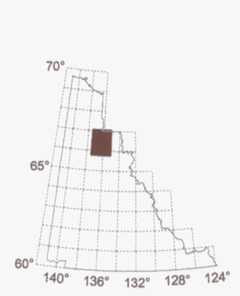
96HR064	408570.3	7349756.1	-137 2 6	66 15 15	-137.0350	66.2544
96KP001	444737.2	7381111.6	-136 14 39	66 32 38	-136.2442	66.5441
96KP002	444737.2	7381111.6	-136 14 39	66 32 38	-136.2442	66.5441
96KP003	444737.2	7381111.6	-136 14 39	66 32 38	-136.2442	66.5441
96KP004	444914.0	7381796.6	-136 14 26	66 33 1	-136.2406	66.5503
96KP005	444914.0	7381796.6	-136 14 26	66 33 1	-136.2406	66.5503
96KP006	446725.5	7382131.5	-136 11 59	66 33 13	-136.1999	66.5536
96KP007	446725.5	7382131.5	-136 11 59	66 33 13	-136.1999	66.5536
96KP008	441638.1	7360147.3	-136 18 14	66 21 19	-136.3041	66.3555
96KP009	441638.1	7360147.3	-136 18 14	66 21 19	-136.3041	66.3555
96KP010	442072.3	7360467.9	-136 17 40	66 21 30	-136.2946	66.3585
96KP011	442072.3	7360467.9	-136 17 40	66 21 30	-136.2946	66.3585
96KP012	442072.3	7360467.9	-136 17 40	66 21 30	-136.2946	66.3585
96KP013	442404.3	7360719.5	-136 17 14	66 21 38	-136.2873	66.3608
96KP014	442895.6	7361046.0	-136 16 35	66 21 49	-136.2765	66.3638
96KP015	442895.6	7361046.0	-136 16 35	66 21 49	-136.2765	66.3638
96KP016	442895.6	7361046.0	-136 16 35	66 21 49	-136.2765	66.3638
96KP017	443411.5	7361270.7	-136 15 54	66 21 57	-136.2650	66.3659
96KP018	443411.5	7361270.7	-136 15 54	66 21 57	-136.2650	66.3659
96KP019	452253.2	7344557.2	-136 3 39	66 13 2	-136.0611	66.2175
96KP020	451861.0	7344725.7	-136 4 11	66 13 8	-136.0699	66.2189
96KP021	451861.0	7344725.7	-136 4 11	66 13 8	-136.0699	66.2189
96KP022	451466.0	7344538.2	-136 4 42	66 13 1	-136.0786	66.2172
96KP023	450956.2	7344275.4	-136 5 23	66 12 53	-136.0898	66.2148
96KP024	450956.2	7344275.4	-136 5 23	66 12 53	-136.0898	66.2148
96KP025	448695.2	7344884.9	-136 8 24	66 13 11	-136.1403	66.2199
96KP026	448752.7	7345729.9	-136 8 21	66 13 38	-136.1393	66.2275
WDG94-1	457697.9	7308528.2	-135 55 41	65 53 42	-135.9283	65.8951
WDG94-2	462917.2	7305593.6	-135 48 46	65 52 9	-135.8129	65.8694

Canada

YUKON GEOLOGY PROGRAM

Yukon Government





EAGLE PLAINS GEOLOGICAL MAP

PORTIONS OF NTS SHEETS 116 H, I, & P AND 106 E, L, & M, YUKON TERRITORY

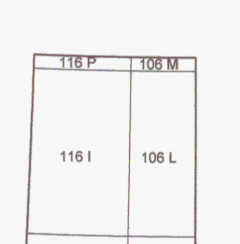
(to accompany report "Mineral Potential of Eagle Plains Study Area" by D. Héon, 1997)

Scale 1: 250 000

5 0 5 10 15 20 Miles

5 0 5 10 15 20 25 30 Kilometres

CONTOUR INTERVAL 100 METRES (116I, II6H, 106E); 20 METRES (106L); 500 FEET (116P)
Elevations in Metres above Mean Sea Level
North American Datum 1983
Transverse Mercator Projection
Universal Transverse Mercator Grid



INDEX TO NTS SHEETS FOR THIS MAP

GEOLOGICAL UNITS:

(Linework and legend modified from Gordey & Makepeace, 1999)

QUATERNARY

Q — Q: QUATERNARY
unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluviatile silt, sand, and gravel, and local volcanic ash, in part with cover of soil and organic deposits

UPPER CRETACEOUS TO TERTIARY

KTB1 — KTB: BONNET PLUME
sandstone, shale and coal, marine and non-marine (1) and (2) deposited in foredeep of Cordilleran Orogen

1: medium to coarse grained sandstone with minor thin lenses and layers of fine pebble conglomerate separated by layers of grey fissile shale; lignite; fluviatile and lacustrine (Bonnet Plume (upper))

LOWER CRETACEOUS AND (MOSTLY) UPPER CRETACEOUS

KM2, KM4 — KM: MONSTER
diverse assemblage of fine to coarse clastics, marine and non-marine deposited in foredeep of Cordilleran orogen

2: medium to dark grey shale and mudstone; rare bentonite; very fine to medium grained sandstone with hummocky cross-stratification, horizontal lamination and thin interbeds of mudstone; bioturbation; marine to locally fluvial at top (Eagle Plain)

4: dominantly resistant massive pebble to cobble, and locally boulder conglomerate with lesser sandstone and shale; alluvial (Bonnet Plume (lower member))

LOWER CRETACEOUS

KS2, KS2? — KS: SHARP MOUNTAIN
fine and coarse clastic assemblage, mostly marine deposited in foredeep of Cordilleran orogen

2: thin bedded dark grey to brown or black shale and interbeds of siltstone; concretions and clay (bentonite?) beds; locally basal beds are silty or sandy to conglomeratic; marine (Arctic Red)

IKM1, IKM4, IKM6 — IKM: MOUNT GOODENOUGH
shale, siltstone, and sandstone comprising alternating fine and coarse clastic units

1: dominated by fine grained quartz arenite with hummocky cross-stratification, swaley bedding, plane lamination, ripple lamination and bioturbation; members and interbeds of shale; marine inner shelf to upper shoreface (Martin Creek; may include McGuire)

4: basal interbedded sandstone, siltstone, shale and locally conglomerate, with bioturbation, lamination and cross-stratification; upper beds are bioturbated dark grey shale, interbedded with thin siltstone and silty sandstone; marine (Mount Goodenough)

6: interbedded units of sandstone and shale; hummocky cross stratification and plane lamination; marine (Rat River)

JURASSIC AND LOWER CRETACEOUS

JKH2, JKH3, JKH4, JKH5 — JKH: HUSKY
shale and siltstone (3) and laterally equivalent coarser grained siltstone and sandstone (2) and (4) and undivided clastic strata (5) deposited on a marine shelf

2: siltstone and light grey fine to very fine grained sandstone; marine and nonmarine (Porcupine River)

3: dark grey shale, siltstone and ironstone; marine (Husky)

4: light grey glauconitic conglomeratic sandstone, shale and siltstone; marine (North Branch)

5: shale, siltstone, sandstone; minor conglomerate; limonitic nodules; marine and nonmarine (undivided Jurassic and Lower Cretaceous clastics)

TRIASSIC

TrS — TrS: SHUBLIK
commonly bioturbated calcareous shale, siltstone and sandstone; silty bioclastic limestone; local hummocky cross stratification (Shublik)

LOWER AND MIDDLE PERMIAN

PJC1 — PJC: JUNGLE CREEK
clastic assemblage with some carbonate (1) but including undifferentiated clastics and carbonates of mostly(?) equivalent age and a separately mappable partly equivalent carbonate and conglomerate

1: consists upward of chert pebble conglomerate, sandstone and shale overlain by mixed calcareous or cherty mudstone, silty limestone and prominent resistant lentils of sandstone in turn overlain by yellow orange weathering, fine grained, grey sandstone (Jungle Creek, Longstick)

UPPER DEVONIAN TO PERMIAN

uDPF1 — uDPF: FORD LAKE
generally fine to coarse grained clastic succession equivalent to Canol, Imperial and(?) Tuttle assemblages (1) or including these and younger formations undivided

1: dark grey to black, silty pyritic shale and siltstone with subordinate sandstone, conglomerate and silty limestone (Ford Lake Shale)

UPPER CARBONIFEROUS

CE — CE: ETTRAIN
cherty, echinoderm-bryozoan and ooid lime grainstone and mixed-skeletal lime packstone; glauconitic sandy carbonate; local quartz-chert siltstone and sandstone; marine (Ettrain)

LOWER AND UPPER CARBONIFEROUS

CH1, CH2 — CH: HART RIVER
dominantly carbonate assemblage (1) with equivalent local clastics (2) (Hart River)

1: thinly laminated, cherty spiculite and spicule lime packstone with subordinate sandstone, siltstone and calcareous shale; local lime grainstone; local members of lenticular to shoe-string sandstone grading into chert rich conglomerate (Hart River)

2: brown weathering sandstone, conglomerate and skeletal limestone; equivalent to upper part of Hart River (Hart River)

LOWER CARBONIFEROUS

ICT — ICT: TUTTLE
chert granule to pebble conglomerate and conglomeratic sandstone with subordinate siltstone and shale; minor coal; includes unnamed partly correlative light grey medium grained sandstone and dark grey shale; pro-deltaic, deltaic and fluvial (Tuttle)

UPPER DEVONIAN

uDI — uDI: IMPERIAL
rusty-weathering dark grey and brown shale and siltstone generally in lower part of succession overlain by dark grey fine grained lithic sandstone and siltstone; siltstone and sandstone commonly as sharp-based graded beds (Imperial)

uDC — uDC: CANOL
dark grey to black non-calcareous, soft to very hard shale with scattered, orange-weathering, carbonate nodules and thinly bedded chert (Canol and minor Hare Indian)

LOWER AND MIDDLE DEVONIAN

DG2 — DG: GOSSAGE
assemblage consists of limestone and dolostone and partly equivalent black limestone (2) and shale

2: dark grey and black, fine grained limestone; recessive light grey, thick bedded argillaceous limestone, limestone, black, argillaceous; shale, calcareous; marine (Ogilvie)

UPPER CAMBRIAN TO LOWER DEVONIAN

CDB1 — CDB: BOUVETTE
lower Paleozoic undivided carbonate (1) with locally named tongues(?)

1: grey-and buff-weathering dolomite and limestone, medium to thick bedded; white to light grey weathering, massive dolomite; minor platy black argillaceous limestone, limestone conglomerate, and black shale; massive bluish-grey weathering dolostone (Bouvette, unit CDb)

CAMBRIAN TO DEVONIAN

CDR5, CDR4, CDR3, CDR2, CDR1, CDR — CDR: ROAD RIVER - RICHARDSON
black graptolitic shale, limestone and minor chert with mappable subdivisions (1) through (5) in Richardson Mountains; correlations with Selwyn Mountains include: lower (2) with COR, upper (2) with OSR1, (4) with OSR2 and (5) with lower DME2 (Road River)

5: graptolitic, black shale and shaly limestone; minor limestone, intraclast conglomerates and breccia (CDR4 of Norris)

4: interstratified, yellowish to orange weathering argillite and yellowish to grey weathering shaly limestone and dolomite; minor black, calcareous shale, intraclast conglomerate and breccia (Steel Fm equivalent) (CDR3of Norris)

3: sharpstone breccia, heterogeneous, commonly with limestone and chert clasts; turbiditic (CDR2 of Norris)

2: Upper: black chert, graptolitic shale, silicified limestone and minor intraclast conglomerate (upper CDR1 of Norris; OSI of Cecile). Lower: pale yellow to grey weathering, thin- to medium-bedded, shaly limestone with minor shale interbeds; minor chert and intraclast conglomerate (Rabbitkettle equivalent) (lower CDR1 of Norris; COR of Cecile)

1: calcareous black shale and limestone (CDR0 of Norris)

LOWER AND MIDDLE CAMBRIAN

lmCS1 — lmCS: SLATS CREEK
siltstone, sandstone and shale (1) and partly(?) correlative clastic rocks

1: rusty brown weathering, turbiditic, quartz sandstone with minor shale and siltstone; pale red weathering siltstone, sandstone, quartzite pebble and cobble conglomerate and limestone; maroon with green argillite with minor quartzite and limestone (Slats Creek)

LOWER CAMBRIAN

ICI1 — ICI: ILTYD
limestone assemblage (1); also includes carbonate strata of uncertain Proterozoic to Cambrian age

1: fine crystalline, dark grey limestone; light grey, medium crystalline biohermal dolomite (Iltyd)

LOWER PROTEROZOIC

IPQ — IPQ: QUARTET
black weathering shale, finely laminated dark grey weathering siltstone, and thin to thickly interbedded planar to cross laminated light grey weathering siltstone and fine grained sandstone; minor interbeds of orange weathering dolostone in upper part (Quartet Group)

BASEMAP FEATURES:

- Airstrip (Status Unknown)
- Heritage Sites
- Building
- Built-Up Area
- Campground
- UTM Grid Marks (10 km Spacing)
- Highway
- 4 Wheel Drive
- Trail
- Other
- Cutline
- Territorial Boundary

MINFILE OCCURRENCES:

DEPOSIT TYPE:
- Sedimentary
- Mississippi Valley Type
- Vein
- Wernecke Breccia
- Unknown
- Other

LABELLING KEY:
MINFILE No. - NAME (Major Commodities)

OIL AND GAS WELLS:

- Abandoned Well
- Suspended Gas Well

FIRST NATIONS SETTLEMENT LANDS:

Category A Lands
(First Nation has ownership of suface and subsurface)

Category B Lands or Fee Simple
(First Nation has ownership of surface only)

Site Specific Settlement Lands - area too small to be shown at this scale.
(For category designation, see individual First Nation Final Agreement)

TRADITIONAL TERRITORIES:

TG Tetlit Gwich'in Primary & Secondary Use
TH Trondek Hwech'in First Nation
VG Vuntut Gwichin First Nation
NND First Nation of Nacho Nyak Dun

FAULTS:

- defined, unclassified
- defined, normal/reverse
- defined, upright thrust
- approximate, unclassified
- approximate, normal/reverse
- extrapolated, normal/reverse

RECOMMENDED CITATION:

Eagle Plains Geological Map, Portions of NTS Sheets 116H, I & P and 106 E, L & M, Yukon Territory (1: 250 000 scale), 2000. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada.

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Indian and Northern Affairs Canada
Exporation and Geological Services Division
Yukon Region

EAGLE PLAINS GEOLOGICAL MAP

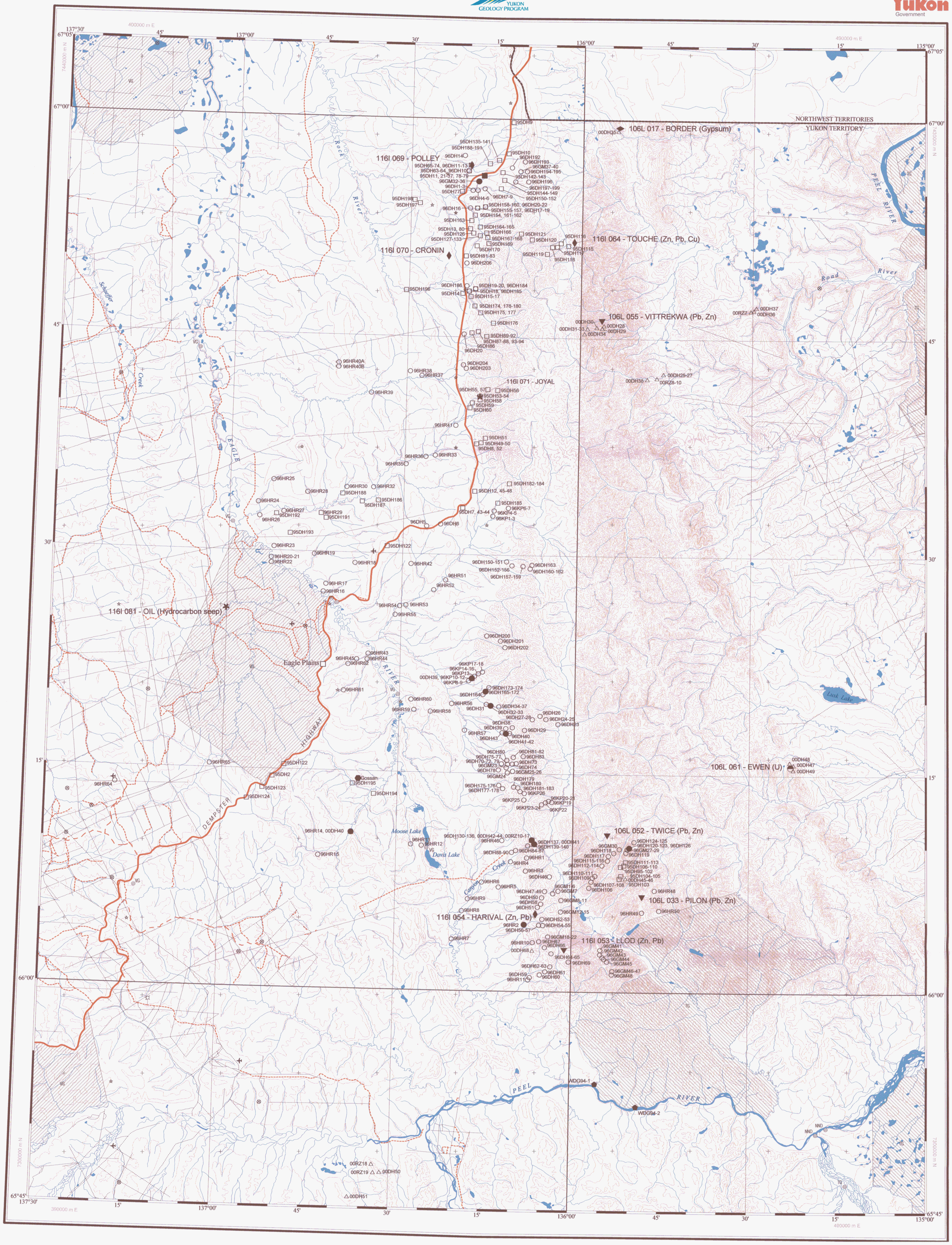
PORTIONS OF NTS SHEETS 116 H, I, & P AND 106 E, L, & M, YUKON TERRITORY

by Danièle Héon
Yukon Geology Program
Geoscience Office

January, 2000

Print Job Sent January 23, 2001

Canadä



SAMPLE LOCATIONS:

- 1995 Station Location
- 1996 Station Location
- 2000 Station Location
- 1994 GSC Station Location (pers. comm., W. Goodfellow)
- 1995 Significant Result
- 1996 Significant Result
- 2000 Significant Result

MINFILE OCCURRENCES:

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- Mississippi Valley Type
- Vein
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- Unknown
- Other

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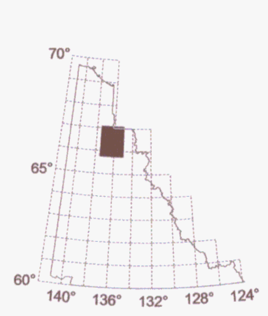
EAGLE PLAINS SAMPLE LOCATION MAP

PORTIONS OF NTS SHEETS 116 H, I, & P AND 106 E, L, & M, YUKON TERRITORY

(to accompany report "Mineral Potential of Eagle Plains Study Area" by D. Héon, 1997)

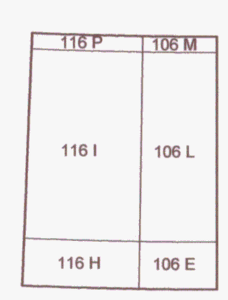
Scale 1: 250 000



5 0 5 10 15 20 Miles

5 0 5 10 15 20 25 30 Kilometres

CONTOUR INTERVAL 100 METRES (116I, II6H, 106E); 20 METRES (106L); 500 FEET (116P)
Elevations in Metres above Mean Sea Level
North American Datum 1983
Transverse Mercator Projection
Universal Transverse Mercator Grid



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Yukon Region

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PORTIONS OF NTS SHEETS 116 H, I, & P AND 106 E, L, & M, YUKON TERRITORY

by Danièle Héon
Yukon Geology Program
Geoscience Office

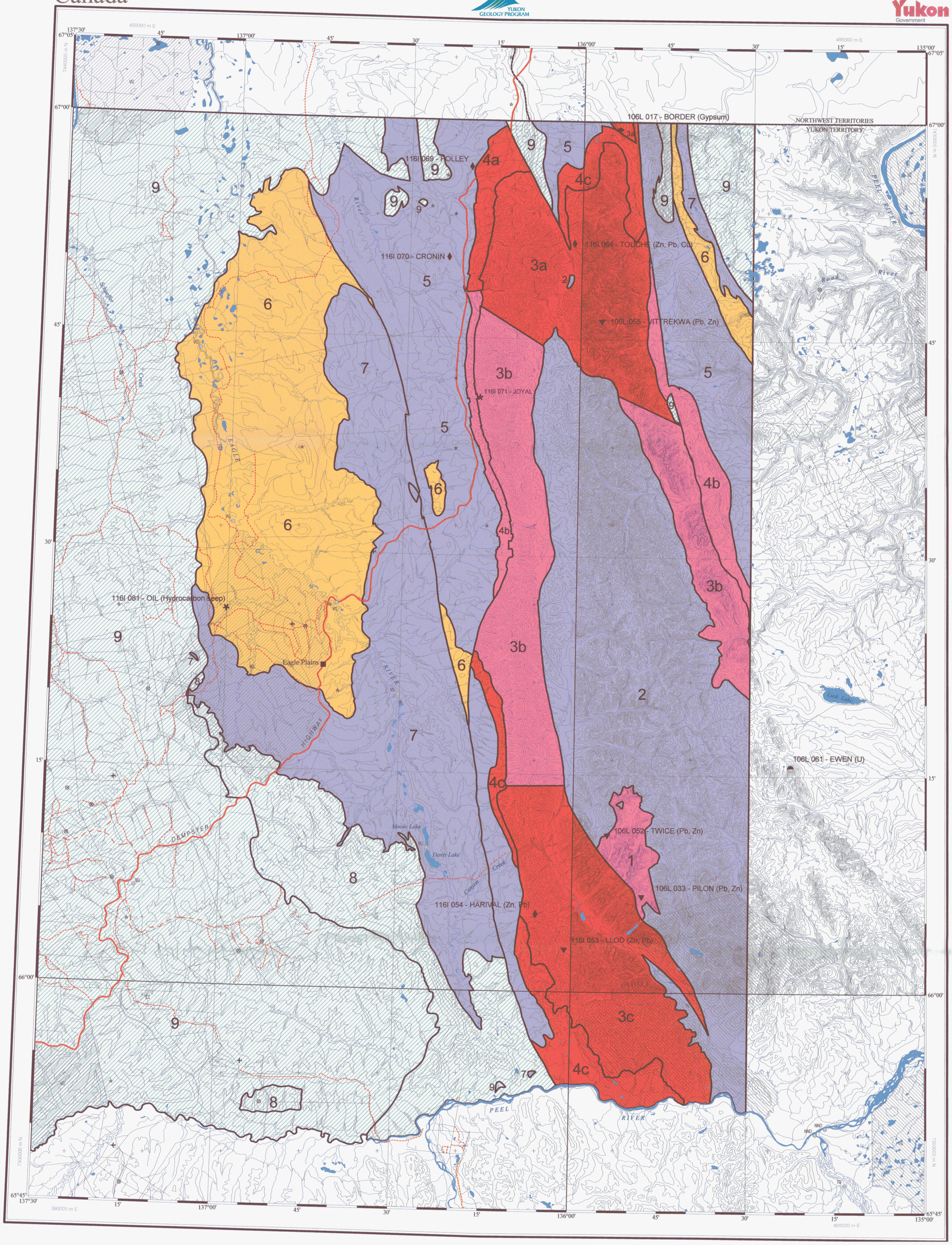
January, 2000

Print Job Sent January 31, 2001

Canada

YUKON GEOLOGY PROGRAM

Yukon Government



MINERAL POTENTIAL:
(Refer to report for tract definitions)

HIGHEST		(Tracts 3a, 3c, 4a, 4c)
		(Tracts 1, 3b, 4b)
		(Tract 6)
LOWEST		(Tracts 2, 5, 7)

Insufficient data for mineral potential assessment (Tracts 8, 9) - (Could host large deposits)

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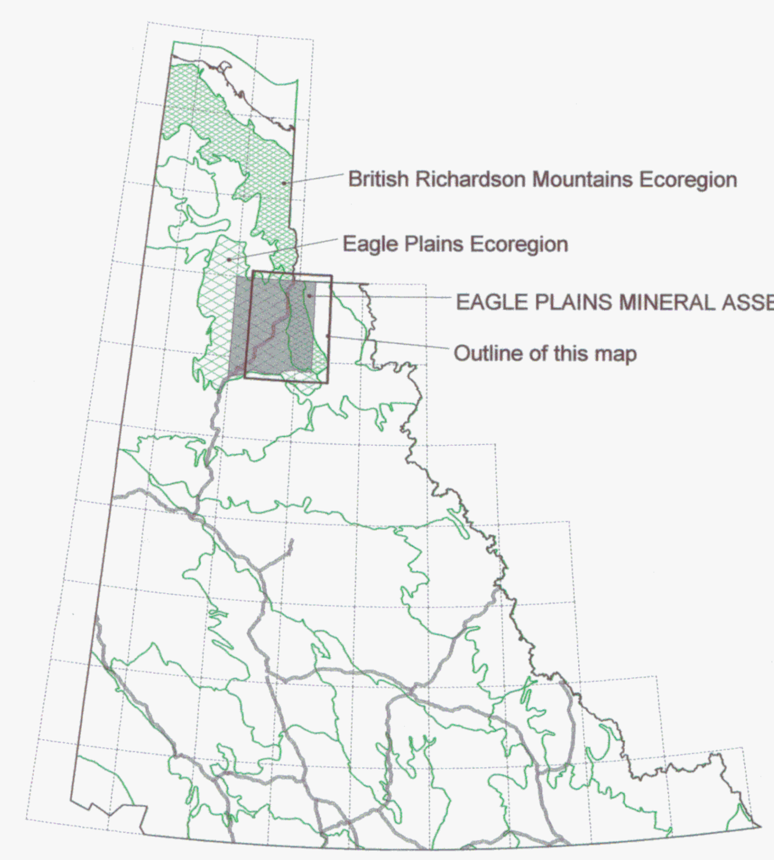

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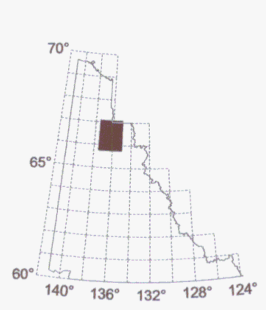

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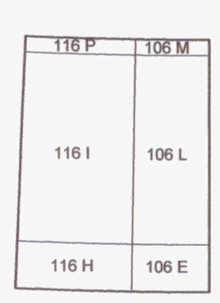
ZONE 8



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