Volume 1

Geochemical, Geological and Geophysical Assessment Report for the Val, Vera, Rusty, KLA, Nad and Craig Claims, Mayo Mining District, Yukon Territory

Manson Creek Resources Ltd.

093968

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 223,700.00.

M. Burke

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

Volume 1

Geochemical, Geological and Geophysical Assessment Report for the Val, Vera, Rusty, KLA, Nad and Craig Claims, Mayo Mining District, Yukon Territory.

Manson Creek Resources Ltd.

Work Performed During the Period: June 15, 1998 to September 15, 1998

Val, Vera, Rusty and KLA Claim Block centred at
Latitude 64 18' 30" N
Longitude 134 44' W
(Rusty Mountain)
NTS Sheets 106 C 4,5

NAD, Craig Claim Block centred at
Latitude 64 08' 50" N
Longitude 133 20' W
NTS Sheet 106 C 3

Report Compiled by Jennifer Eaton, P. Geol.
February 1999

MCK-YK-01
MCK-YK-02

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Quantec I.P. Maps for Vera Grid at 1:2500 scale 5 maps

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Craig Drillhole Plan 1977 and 1980 Drilling at 1:2500 scale

Summary

This report is a compilation of the geological, stream sediment sampling and geophysical work that was carried out on the Val, Vera, KLA, Rusty and Nad, Craig Claims during the summer of 1998. The project also included the Clark Claims which are covered in a separate report because they were not the focus of the 1998 program and are located 70 kilometres to the west.

The main objective of the work outlined below was to examine the many Ag-Pb-Zn showings and deposits which occur on the properties and if possible fit them into a geological model to explain their presence.

The project consisted of the following work:

Work covering all claims:

1 Obtaining Landsat data for the area covering NTS Sheets 106 C and 106 D.
2 Obtaining digital files of the topographic maps.
3 Setting out targets and flying a colour air photo mission.
4 Collecting 501 Stream Sediment Samples.
5 Visiting showings in the area of interest as found in the Yukon Minfile.

Claim group specific work:

6 Locating, in the field, deposits and showings found during the period 1977-1985 by previous companies.
7 Re-establishing the Vera Grid.
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14 G.P.S. locations for key showings and points.
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Section 1.0

1.1 Introduction

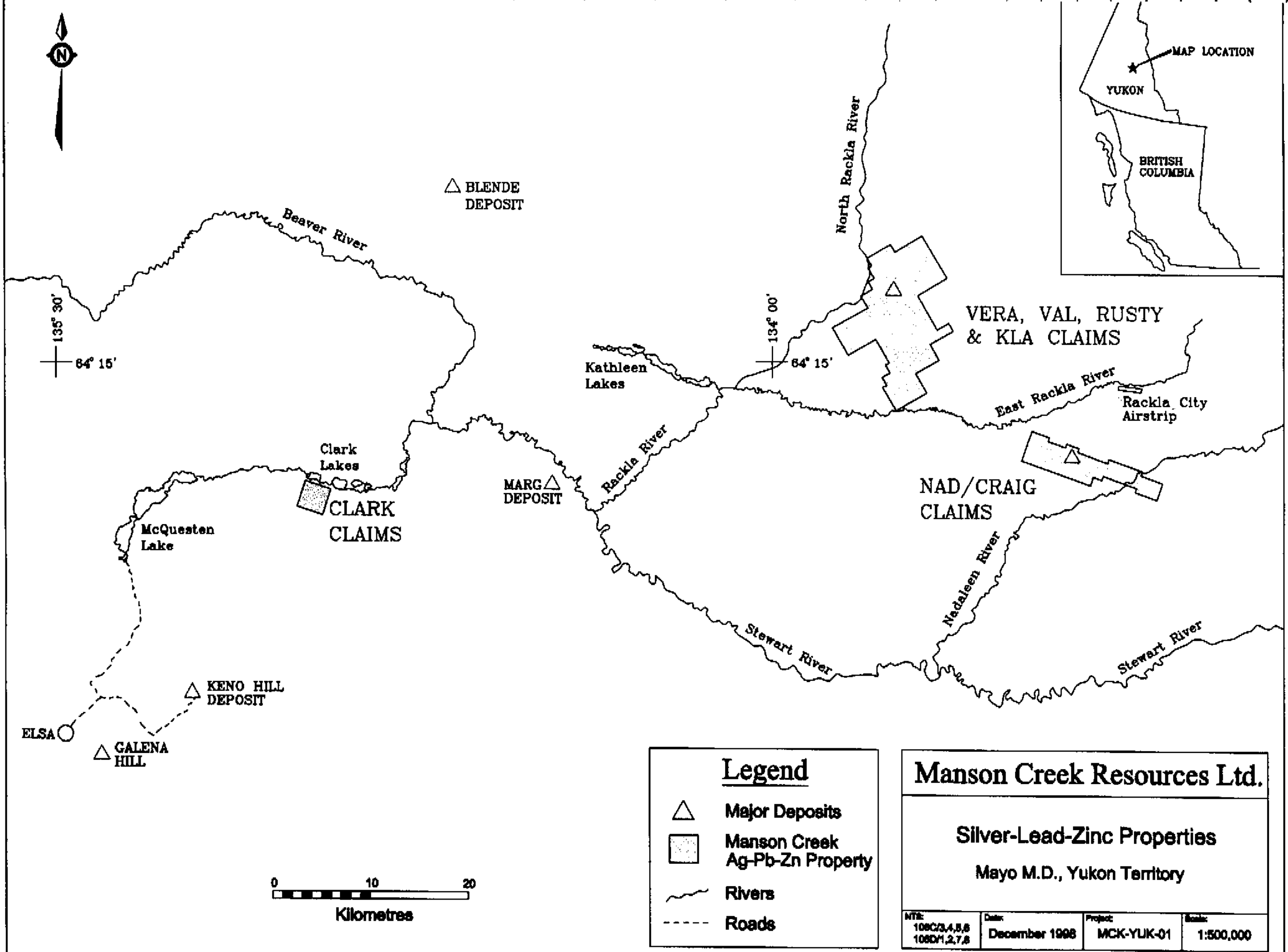
This report is a compilation of the work carried out on the Val, Vera, KLA, Rusty, Nad and Craig Claims during the time from June 15, 1998 to September 15, 1998. The target of exploration is Ag-Pb-Zn mineralization in a sequence of carbonate, sedimentary, volcanic and intrusive rocks of Proterozoic (Hadrynian) to Mesozoic age.
Previous exploration outlined two mineral resources. The Vera Deposit which totals 935,770 tons grading 8.96 ounces per ton silver, 1.81% lead and 1.89% zinc and the *Craig deposit reported to have a mineral resource of 964,500 tonnes with an average* grade of 112 g/t silver, 13.5% zinc and 8.5% lead. The Vera Deposit is held by Prism Resources Inc. and Manson Creek Resources has an option to earn 50% by the year 2001. The Craig Deposit is held by Falconbridge Limited and Manson Creek has an option to earn 60% by 2000 with an option to increase to 100% by 2002. Manson Creek owns 100% of 330 claims surrounding both the Vera and Craig Deposits.
Manson Creek Resources Ltd. spent the winter of 1997-1998 compiling company data and government data in preparation for the 1998 field season.

1.2 Claim Access and Location

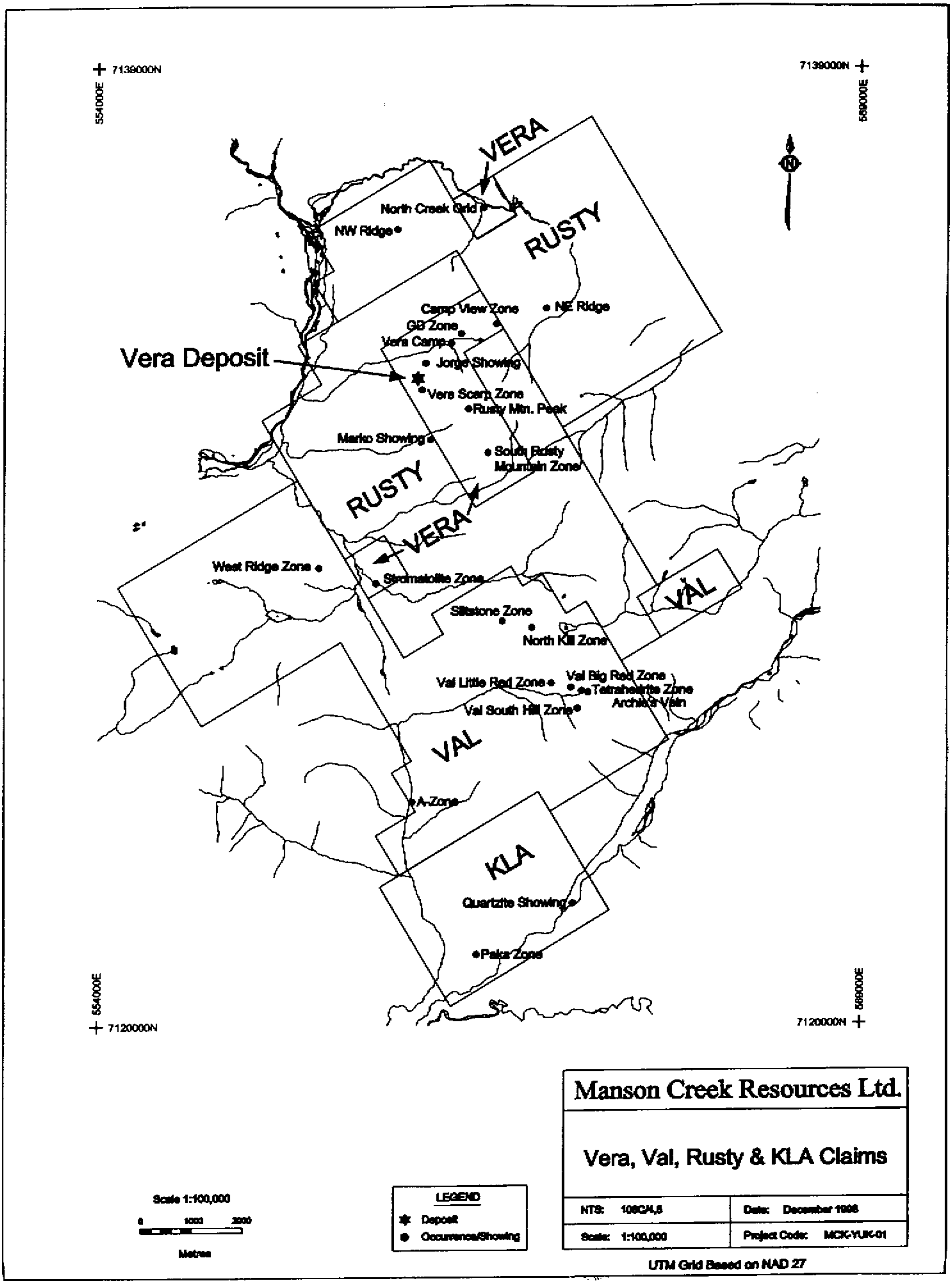
The Val, Vera, KLA and Rusty claims are one contiguous block which are centred on Rusty Mountain in the Wernecke Mountain area of the Yukon Territory. The Nad/Craig claim block is situated between the east Rackla River and the Nadaleen River in the Nadaleen Mountain Range. The 1998 Rackla City Camp is situated at latitude 64 13' 18" N and 133 13' 02" W just on the south bank of the east Rackla River. There is a 3500 foot airstrip at the camp. Groceries, personnel and camp supplies were expedited out of Whitehorse using Speedy Expediting and Summit Air. Trans North Helicopter Company supplied a helicopter out of their Whitehorse base. The helicopter was on site and was used to access the claims from camp. The closest town with an airbase and nursing station is Mayo, 130 km to the southwest. The office of the Nacho Nyak Dun (NND) and the Mining Recorder's office are located in Mayo.
See "Silver-Lead-Zinc Properties" Location Map at 1:500,000 scale.

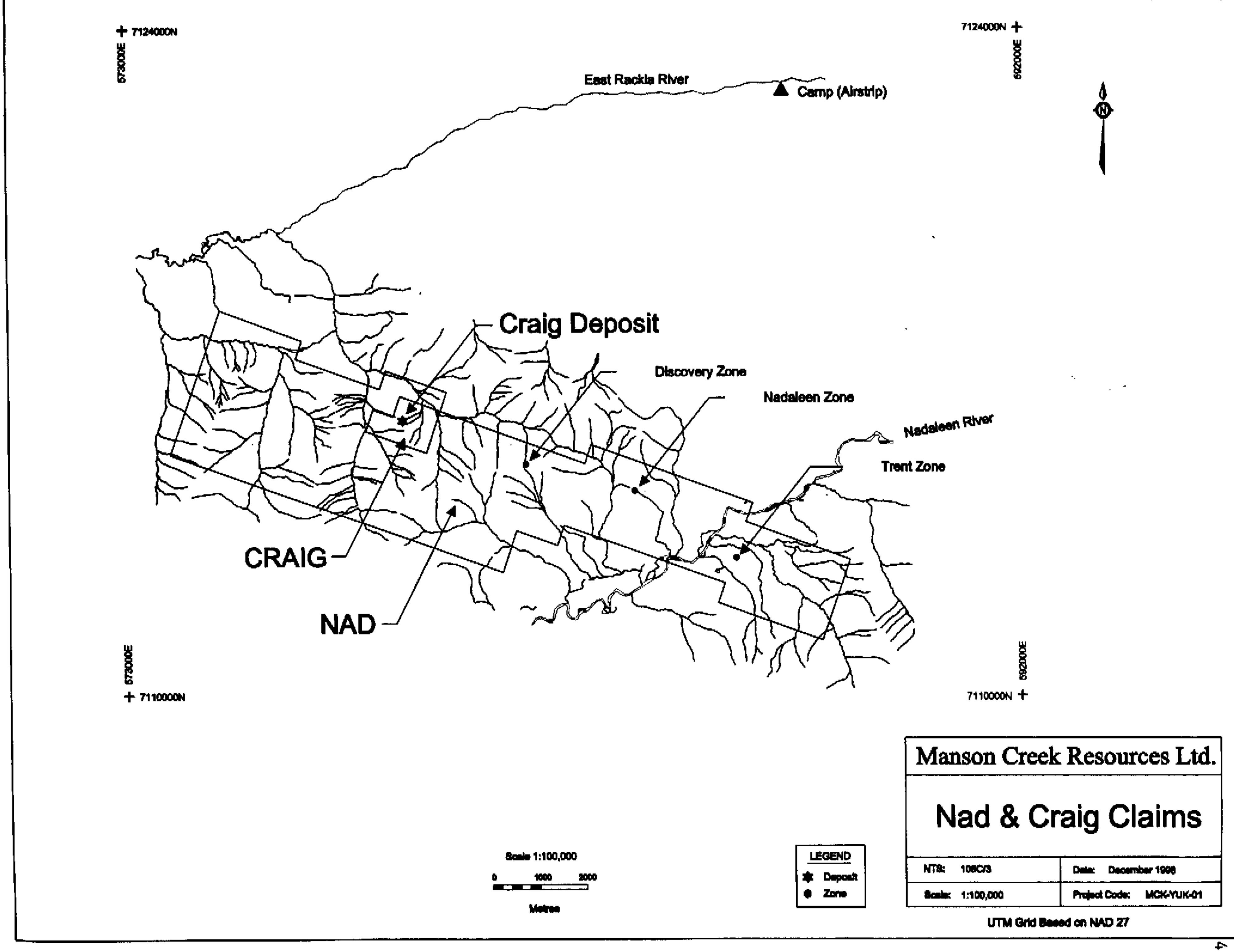
1.3 Claim Status and Ownership

There are a total of 505 claims covered in this report. The 'Applications for a Certificate of Work' and the 'Detailed Statement of Expenditures' for the claims were submitted in October 1998 and January 1999 along with fees to the Mining Recorder in Mayo. A separate report covering the 36 Clark claims brings the total land holding of Manson Creek Resources to 541 claims for the period ending September 15, 1998. Each claim is 1500 feet square or approximately 457 metres square. Renewal fees are $5.00 per claim per year and work assessment due is $100.00 per claim per year. The Tables of Claim Name, Grant Number and Anniversary dates are found in Appendix I. See "Vera, Val, Rusty and KLA Claims Location Map" at 1:50,000 scale and "Nad and Craig Claims Location Map" at 1:50,000 scale.



N
MAP LOCATION
YUKON
BRITISH COLUMBIA
BLENDE DEPOSIT
Beaver River
North Rackla River
VERA, VAL, RUSTY & KLA CLAIMS
135° 30'
64° 15'
134° 00'
64° 15'
Kathleen Lakes
East Rackla River
Rackla City Airstrip
Clark Lakes
Rackla River
MARG DEPOSIT
NAD/CRAIG CLAIMS
CLARK CLAIMS
McQuesten Lake
Nadaleen River
Stewart River
Stewart River
KENO HILL DEPOSIT
ELSA
GALENA HILL
Legend
Major Deposits
Manson Creek Ag-Pb-Zn Property
Rivers
Roads
0
10
20
Kilometres
Manson Creek Resources Ltd.
Silver-Lead-Zinc Properties
Mayo M.D., Yukon Territory
NTS: 106C/3,4,5,6 106D/1,2,7,8
Date: December 1998
Project: MCK-YUK-01
Scale: 1:500,000


7139000N
554000E
559000E
VERA
RUSTY
North Creek Grid
NW Ridge
Camp View Zone
NE Ridge
GB Zone
Vera Camp
Vera Deposit
Jorge Showing
Vera Scarp Zone
Rusty Mtn. Peak
Marko Showing
South Rusty Mountain Zone
RUSTY
VERA
West Ridge Zone
Stromatolite Zone
Siltstone Zone
North Kill Zone
VAL
Val Big Red Zone
Val Little Red Zone
Tetrahedrite Zone
Archie's Vein
Val South Hill Zone
VAL
A-Zone
KLA
Quartzite Showing
Paka Zone
7120000N
Manson Creek Resources Ltd.
Vera, Val, Rusty & KLA Claims
NTS: 106C/4,5
Date: December 1998
Scale: 1:100,000
Project Code: MCK-YUK-01
UTM Grid Based on NAD 27
Scale 1:100,000
0 1000 2000
Metres
LEGEND
Deposit
Occurrence/Showing


7124000N
573000E
7124000N
592000E
East Rackla River
Camp (Airstrip)
N
Craig Deposit
Discovery Zone
Nadaleen Zone
Nadaleen River
Trent Zone
CRAIG
NAD
573000E
7110000N
592000E
7110000N
Manson Creek Resources Ltd.
Nad & Craig Claims
Scale 1:100,000
0
1000
2000
Metres
LEGEND
Deposit
Zone
NTS: 106C/3
Scale: 1:100,000
Date: December
Project Code: MCK-YUK-01
UTM Grid Based on NAD 27

1.4 Exploration History

Prism Resources Ltd. started a program of silver-lead-zinc exploration in the Rusty Mountain-Nadaleen River area in 1977 after the discovery of the spectacular mineralization McIntyre mines had found on the Nadaleen Range in 1976, now the Craig Deposit. The Vera silver-lead-zinc deposit was found in 1977. The Prism Joint Venture (1977) was formed and originally comprised of Prism Resources Ltd., Asamera Oil Corp. Canex Placer Limited, and Siebens Oil and Gas Ltd. Exploration by the Prism Joint Venture continued every year until 1982. Canex Placer was replaced by E&B Explorations Ltd. in 1978, and Dome Petroleum replaced Siebens Oil and gas in 1979. Prism was the operator of the Joint Venture. Exploration was also carried out in 1984, 1985 and 1988. By 1979 work was concentrated on the BLUE LITE, DEE, VAL, VERA and ZAP claims. Work consisted of regional and detailed mapping, prospecting, soil and stream sediment geochemical surveys, geophysical surveys, trenching, underground exploration drilling and metallurgical testing. Expenditures totalled approximately $6.5 million.

Zones of mineralization discovered during 1979 on the Val Claims included the South Hill Zone and the Big Red Zone. In 1980 the Silstone zone was discovered in clastic rocks previously thought to be barren. A total of 550 m of drilling had been done on the Vera Main zone and the South Hill by 1980. Drill indicated reserves were estimated at 935,000 tons grading 8.93 oz/ton Ag, 1.8% Pb, and 1.9% Zn.

In 1981 a major underground exploration programme was conducted on the Vera Main Zone. A total of 582 m of drifting and crosscutting were completed, along with 1152 m of surface drilling in ten holes, and 545.34 m of underground drilling. The underground program was planned and supervised by E and B personnel, the camp and surface program were run by Prism employees.

By 1982 the price of silver was dropping rapidly and the only work done in June of 1982 was the mapping, soil sampling and trenching of the South Rusty Mountain showing. At the end of June 1982 the camp was closed and winterized and the exploration staff laid off.

In 1984 the South Rusty Mountain Zone was drilled and the Vera main zone was tested down to the 150 m level.

The 1985 program consisted of prospecting, sampling, geochemical investigation and trenching of several showings including the Camp View, Creek Grid, Siltstone and G.D. showings. Sixteen holes were drilled on the Val-Big Red showing totalling 1,113 m.

No exploration work was carried out in 1986-87.

In 1988 a drill program consisting of 12 holes for 1,479 m of drilling and 2,324 cubic meters of bulldozer trenching were completed. Three holes were completed on the South Rusty Mountain Showing, four on the Camp View Zone, three immediately east of the Little Red Zone, and two on the PIKA showing (Waugh, 1989). All twelve holes were poorly mineralized. Extensive trenching was conducted on the Camp View Grid and Val West Ridge showing. No significant results were reported from trench work.

On the current Nad and Craig claims McIntyre Mines Ltd. and Canadian Superior formed a joint venture and subsequently discovered the Craig Deposit, formerly called the West Zone which is now held by Falconbridge. The Discovery Zone, Nadaleen Zone and the Trent Zone were also discovered and are now on claims which are 100% Manson Creek owned. The Craig Deposit has had 21 holes drilled on it for a total of 3,732 metres.

1.5 Regional Geology

The two government mapsheets which cover the claim group are:

1. Nadaleen River Sheet 106 C G.S.C. OF 205, June 1974 by S. Blusson at 1:250,000 scale.
2. Nash Creek Sheet 106 D Map 1282A, Published in 1972. Mapped in 1961 by L.H. Green and J.A. Roddick also at 1:250,000 scale.

These two mapsheets do not match up well as there is a discrepancy in rock types and ages as mapped by the two geologists. The 1:250,000scale geological map contained in Volume 3 of this report is derived from OF G.S.C. OF 2175 and must be a compilation of the maps mentioned above.
There has been no recent mapping done by the G.S.C. or the Yukon Government since.

The Kathleen Lakes-Rackla River area is underlain by generally northwest-trending carbonate and clastic sedimentary rocks of Proterozoic to Triassic age. Thin units of conformable intermediate volcanic rocks also occur within the sequence. Geology in the area is highly complicated and poorly understood. Outcrop exposure along the river valleys is poor and in the Rusty Mountain area the outcrop exposure is fair to good. The Nadaleen Range offers good outcrop exposure with abundant talus slopes.
The Hadrynian and Helikian aged rocks are dominantly dolomite, silstone, slate , conglomerate and limestone. These rocks host the Val, Vera and Craig deposits. The southern half of the area is underlain by Paleozoic clastic rocks. A number of bodies of greenstone (mostly diorite and gabbro) occur within Helikian and Hadrynian rocks along a belt from Rusty Mountain to west of Braine Pass. These are considered to be intrusions of Cretaceous age by some workers (Green, 1972) but may also be extrusive/synvolcanic flow and feeder complexes of much greater age. The Paleozoic clastics in the south half of the area are separated from the precambrian rocks to the north by zone of south dipping thrust faults collectively termed the Dawson Thrust zone. Along this fault zone, a package of rocks comprising slate, quartzite, conglomerate, iron-rich carbonate, serpentine and minor volcanics, informally known as the "Grit Unit" is thrust northwards over Ordivician-Devonian carbonates and black clastics. To the north of the thrust zone, the Ordovician-Devonian rocks overlie Hadrynian rocks. The the south of the thrust, the "Grit Unit" is unconformably overlain by a very thick sequence of Paleozoic shale, chert, siltstone, and conglomerate.

The area has been primarily explored for Ag-Pb-Zn in the dolomite and limestones but Ag-Pb-Zn has also been discovered in the clastics as at the Siltstone Zone on the Val Claims. Occurrences of tungsten, copper, and gold are known to occur in clastics and carbonates along the Dawson Thrust zone, and copper-silver mineralization has been found in association with greenstone bodies and in Helikian-age clastics north of the area.

Section 2.0

2.1 Landsat Survey Coverage

RGI of Vancouver provided Landsat images of the area from 485 000 East to 642 500 East and 7 100 000 North to 7 182 500 North which cover NTS sheets 106 D from the McQueston Lakes east to the east boundary of 106 C. The images cover two thirds of the NTS sheets from the south to north. The image is comprised of two sheets, east and west, at a scale of 1:100,000. There are three sets of data:

1 Landsat TM-Bands 7,3,2
2 Hydroxyl Alteration Zones over First Principal Component of Landsat TM Bands 4,5 and 7.
3 Iron Oxide Alteration Zones over First Principal Component of Landsat TM Bands 4,5 and 7.

For reference UTM co-ordinates of a few key zones as measured on a hand held GPS unit are as follows:

1	Rusty Mountain	587 000 E	7 122 800 N
2	Big Red Zone	563 329 E	7 126 635 N
3	North Kill Zone	562 582 E	7 127 872 N
4	Siltstone Zone	561 931 E	7 127 868 N
4	Vera Deposit	560 500 E	7 132 800 N
5	Craig Deposit	578 600	7 115 300 N

The Vera Deposit is represented by a cluster of blue dots on the Iron Oxide Alteration Image indicating it is a possible iron oxide site. The Big Red, Little Red and South Hill Zones are similarly indicated. The Craig Deposit is represented by a stronger, red, iron oxide signature indicating a Probable Iron Oxide Site. In contrast the Wernecke Mountain range to the north is stands out as a strong iron oxide target.

The Landsat data filled in a data gap in the current database but appears to be of limited exploration use in an area where most sites are helicopter accessible and can be checked out on the ground. Streams which appeared very gossanous from the helicopter and were samples do not show up on the Landsat images. Landsat would be more useful for a project where ground access is limited by altitude and or logistics and stream geochemical methods do not work.

The CD ROM enclosed in Appendix II at the back of report contains the images in .TIFF files.

2.2 Air Photo Coverage and Control

In order to obtain viable base map control for mapping the claim groups a number of things were done. Firstly, a series of 1:20 000 base map originals were obtained from McHellany of Vancouver as they had been used by the Prism Resources in the 1980's to map the VAL, Vera, KLA and Rusty Claims. These maps were not in digital form so were scanned onto disk by West Canadian Graphics and then "re-worked" in house to produce a digital version of the map covering the Val, Vera, KLA and Rusty Claims. Western Scanning Ltd. was hired to produce digital files for the Nad/Craig Claims and the Clark Claims.

During the field season 17 L-shaped targets were placed on the ground at strategic points along the property boundaries. An airborne photo mission was then flown in August 1998 by Western Scanning that picked up all the targets. Coloured air photos of the claims blocks were then produced at scales of 1:20,000 and 1:40,000. The summer of 1998 was unusually hot and dry resulting in many forest fires in the Mayo to Rackla Camp area. This limited the days that the air photo mission could be flown.

The next step in this process is to accurately survey the L-shaped targets and produce maps from the photos. This should be done in 1999.

Section 3.0

3.1 Stream Sediment Survey

The G.S.C. Open file 2175 that contains the stream sediment data covering 106 C and D was obtained in digital form by Manson Creek Resources in the spring of 1998 and various plots of the data were produced in house. These plots included sample location data with one element posted; symbol plots to represent ranges of values and percentile plots. Contour plots were tried but were not useful due to the distribution of the data.

A geochemical consultant, Dr. Stephen Amor, was hired to evaluate the data and set-up a stream sediment sampling program to be carried out in the summer of 1998. The Report "Guidelines for a Reconnaissance Geochemical Program Nadaleen River Region, Yukon Territory" for Manson Creek Resources Ltd., September 11, 1998 was written based on the data in Open file 172 by S. Amor. This report goes beyond the scope of the claims covered in this assessment report so "Section 4 RECOMMENDATIONS FOR 1998 FIELD PROGRAM" has been extracted from S.Amor's report as it describes the method used in the 1998 program. See Appendix III.

The map "1998 Stream Sediment Sample Locations" at a scale of 1:50,000 shows all the sample sites for samples taken by the Manson Creek crew in 1998. The claim boundaries are also on this map to make sample distribution per claim easier to see. It may be noted that these sample locations have been digitized from the original 1:50,000 field maps into an AutoCad file. Therefore the UTM Co-ords as taken by the handheld GPS unit by the sampler at the site will be different than if you were to measure the sample site UTM co-ordinates off this map. A Table of Sample Number, Easting Northing Ag, Pb and Zn

Data derived from G.S.C. Open File 2175

Silver in Stream Sediment

ppm	%tile
0.7-7.4	98-100
0.4-0.7	94-98
0.2-0.4	88-94
0-0.2	0-88

Lead in Stream Sediment

ppm	%tile
130-870	98-100
90-130	95-98
59-90	90-95
28-59	70-90
17-28	50-70
1.0-17	0-50

Zinc in Stream Sediment

ppm	%tile
875-5000	98-100
480-875	95-98
305-480	90-95
155-305	70-90
101-155	50-70
6-101	0-50

values are included in Appendix IV. The *UTM co-ordinates recorded in this table* were taken by the sampler using the GPS unit.
The entire 32 element ICP results for the samples collected from streams on the claims or streams which drain from or into the claims are on the Chemex Lab Certificates in Appendix V. Results for the samples not applied to this assessment year and taken outside the boundaries of the current claim boundary are not included. The data collected in 1998 represents work in progress and has not yet undergone any geostatistical analyses. The following discussion of results compares the stream sediment data collected in 1998 to the raw unadjusted values of the G.S.C. Open File 2172, in the form of percentiles of the entire data set. See page 9 for the range of percentile values. A total of 2036 samples were collected by the G.S.C. As suggested by S. Amor in his "Guidelines for a Recce… Nadaleen Range" Report "any samples whose percentiles exceed 97.5 can be regarded, initially at least, as being "anomalous". Further analyses of the data collected in 1998 could include subdividing the data according to major lithology, and examining the percentiles within each lithological type.

3.2 Discussion of Results

VERA

The samples 0211-0214 collected along the stream draining down from the north side of Rusty Mountain were all highly anomalous in Ag, Pb and Zn. Three of the four Ag values fall within the 98-100 percentile range of the G.S.C. data from 0.7-7.4 ppm Ag and one sample ran 0.2 ppm Ag. The Pb values for these four samples all fall within the 95-100 percentile range on the G.S.C. data. That is the Pb values are all greater than 90 ppm. The Zn values are all between 438-1195 ppm which is in the 90-100 percentile range. This is to be expected as the stream passes over the east end of the Vera vein and down past the old Vera Camp. Contamination from old drill hole sites and piping in the lower section of this stream may be a factor to consider when further analysing this data.
Sample 0215 which was taken downslope of the VERA deposit in a westerly draining stream ran 1.4 ppm Ag, 146 ppm Pb and 682 ppm Zn.
The three samples 0273-0275 collected in the Stromatolite zone area exhibit one value of 2.6 ppm Ag which in the 98-100 percentile range.
The stream sediment samples collected on streams within the Vera claims are all explained by known showings. This data will be further analysed and used as comparison data when looking at anomalous stream data that has yet to be explained geologically.

VAL

Seven stream sediment samples were collected on the VAL Claims, PLS 2105-PLS 2111, all along the same drainage. PLS2111 occurred at the bottom of this SW draining stream. It has a Ag value of 0.8 ppm putting it in the 98th percentile range. This anomaly occurs at the confluence of a stream draining south from the "A-Zone". This area has been briefly prospected but deserves further attention.

RUSTY

Samples 0217-0220 are at the western end of the stream draining below the VERA deposit to the Rackla River. The samples are all in the 94-100 percentile for Ag, 90-95 percentile for Pb and Zn. These are most likely explained by the VERA deposit.

Samples 0221-0224 are discussed in the North Grid Soil section. Sample 0224 has the highest ICP Ag value by about 10 of any sample collected in 1998 or during the G.S.C. survey.

Samples 0225-0231 were taken along a stream draining off the west side of Rusty Mountain. Again these samples are highly anomalous in Ag, Pb and Zn. This stream originates near the Marco showing which was discovered in 1998.

Samples 0234-0239 were collected on a north flowing stream off the north side of Rusty Mountain. This stream passes the NE Ridge showing and exhibits Ag values in the 94-98 percentile.

Samples 0239 and 0243 are the next two highest Ag values to 24.6 ppm at 4.6 and 4.2 ppm respectively. The Pb and Zn values are also highly anomalous. This anomaly requires follow-up. It may correspond with the South Rusty Mountain showing but this is not clear. Samples 0248 and 0249 are also highly anomalous in Ag and Zn.

The stream sampled on the southern Rusty Claims is also anomalous in Ag, Pb and Zn (0264-0267) and requires follow-up.

Of the eleven samples (0250-0261) taken in a drainage on the south east side of Rusty Mountain (appears to be the 0248 and 0249 stream) only two are anomalous in Ag at 0.6 ppm and this may be the South Rusty Mountain showing influence. The Zn values range from 238-490 ppm placing them in the 90-95th percentile. Additional claims have been staked by Manson Creek Resources Ltd. in this area. The Rusty Claims have been prospected by the crew of 1998 as they were locating claim posts however they did not have the results of the stream sediment data at the time. These results will be used to focus in on the mapping and prospecting in 1999.

Section 4.0

4.1 North Creek Soil Grid

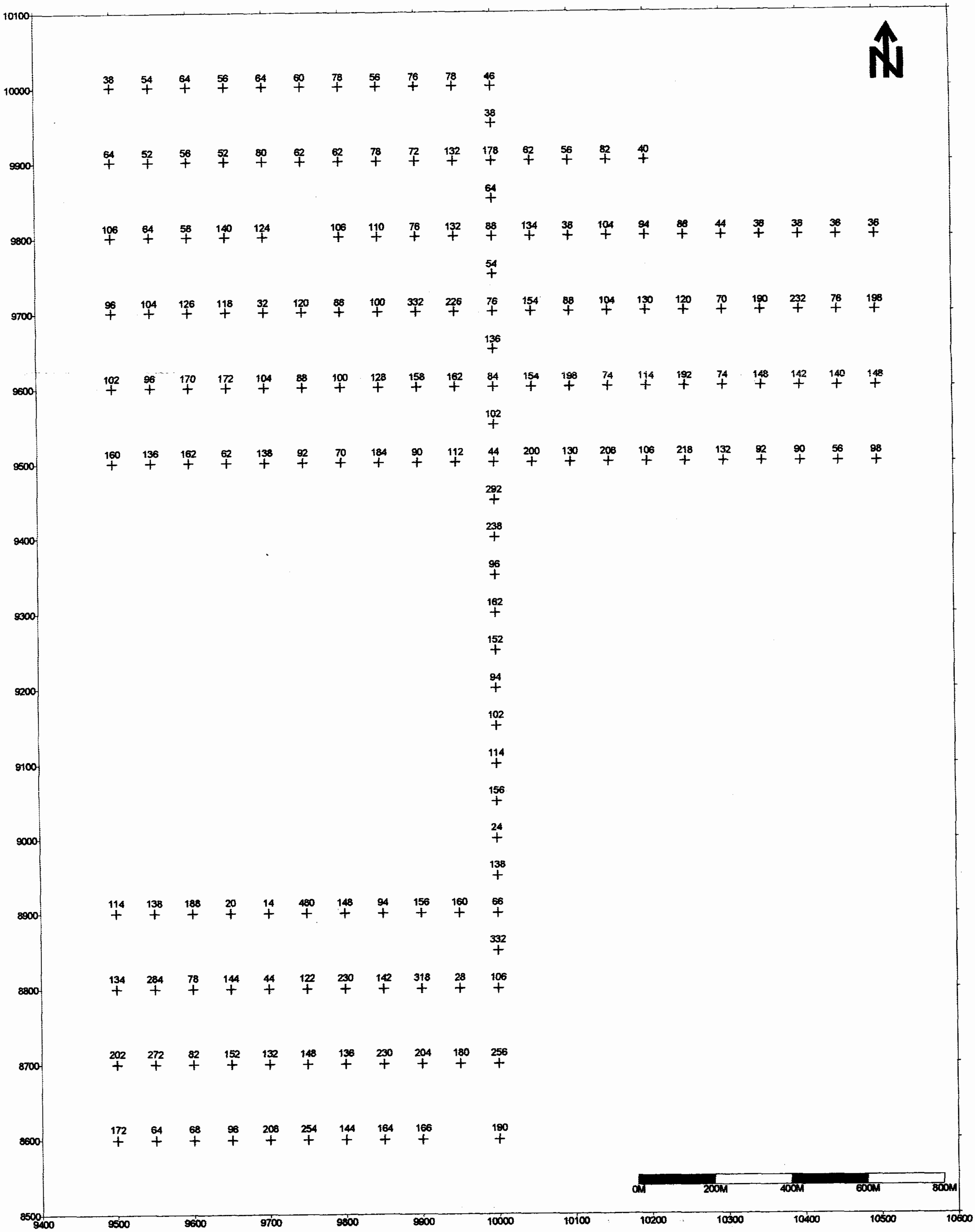
The North Creek Grid soil sampling was done to follow-up on mineralized float fragments collected by G. Sivertz in 1998. (see section 4.2 p. 6) The grid originates at Vera Claims 77-80. A stream sediment value of 24.6 ppm Ag was also collected from a stream draining from the centre of claims Vera 77-80 which is a tributary of the Rackla River. A total of 4 stream sediment samples were collected, ABS 0221 to ABS 0224. The North Creek Soil Grid was set up with a North-South running baseline with 10,000E and 10,000 N at UTM co-ordinates 561660 E and 7136179 N. The baseline was run south of this point to 8600 N. A total of 169 soil samples were collected. The grid extends to the south to cover what are now the Rusty Claims 173,175 and 177. The soil sample grid was sampled on September 8,9 and 10th and the Rusty Claims 173, 175 and 177 were located August 29, 1998 and recorded September 16, 1998. The soil sample grid is being applied for assessment against the Vera 77-80 claims.

The following are the ICP results for the stream sediment samples taken.

Sample No.	Ag (ppm)	Pb (ppm)	Zn (ppm)	Ba (ppm)	Cu (ppm)
ABS0221	0.6	84	522	110	59
ABS0222	0.4	92	1150	100	75
ABS0223	0.6	112	740	90	97
ABS0224	24.6	206	888	90	327

The Chemex certificate of ICP results for the soil sampling grid are found in Appendix VIII. The following four maps show the silver,lead, zinc and copper results for the grid.

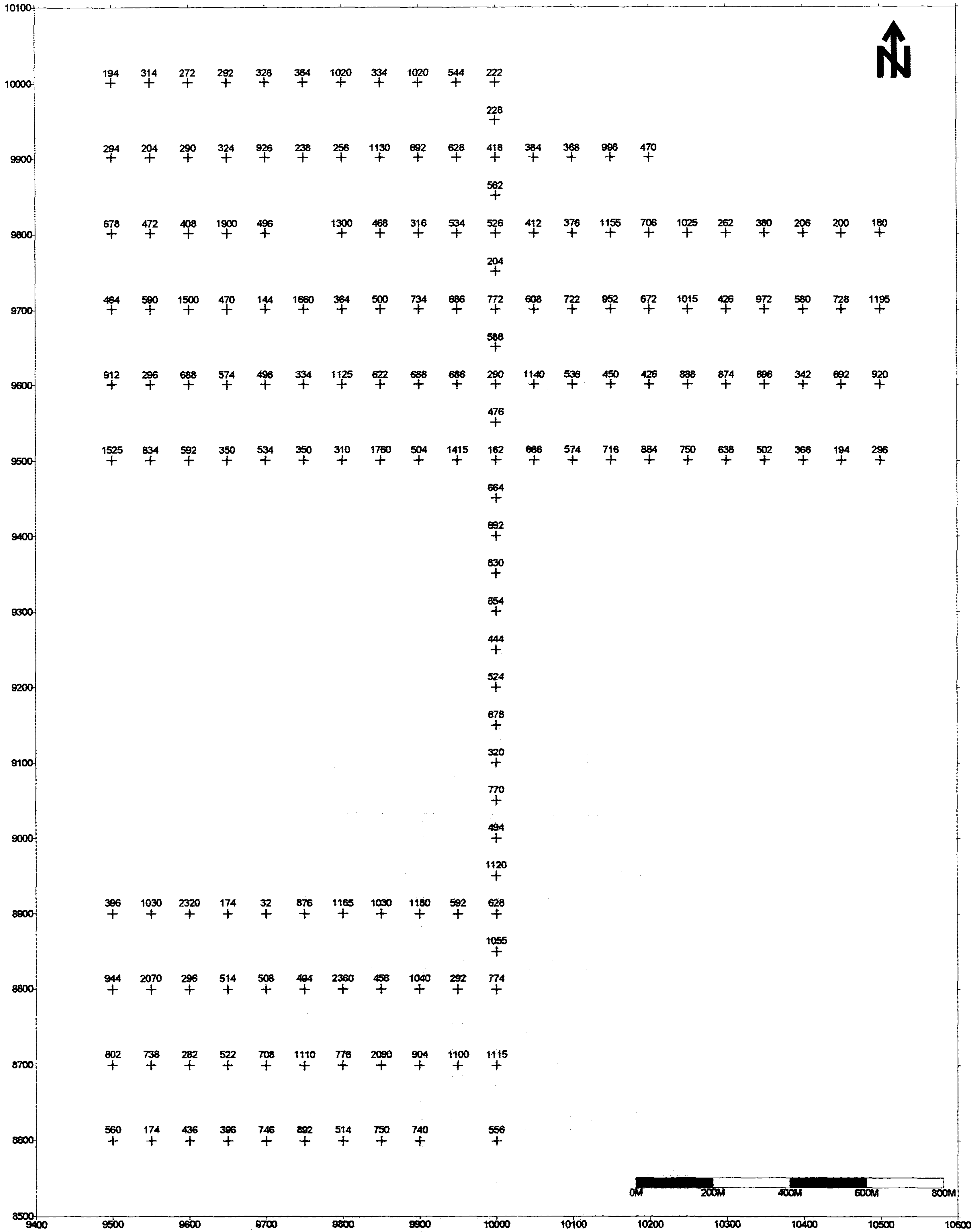
The sample taken at the baseline and 9050 N ran the highest silver value at 3.6 ppm. The lead, zinc, copper, barium and arsenic values are also anomalous at this sample site. A 50 gram gold assay was done on each soil sample with all results 10 ppb or less with the exception of one sample. This sample was taken at 9600 N and 9650 E and assayed 40 ppb Au.



The UTM co-ordinates of grid location
10000E and 10000N are
561 660 E and 7 136 179 N.

This point is just south of the creek.

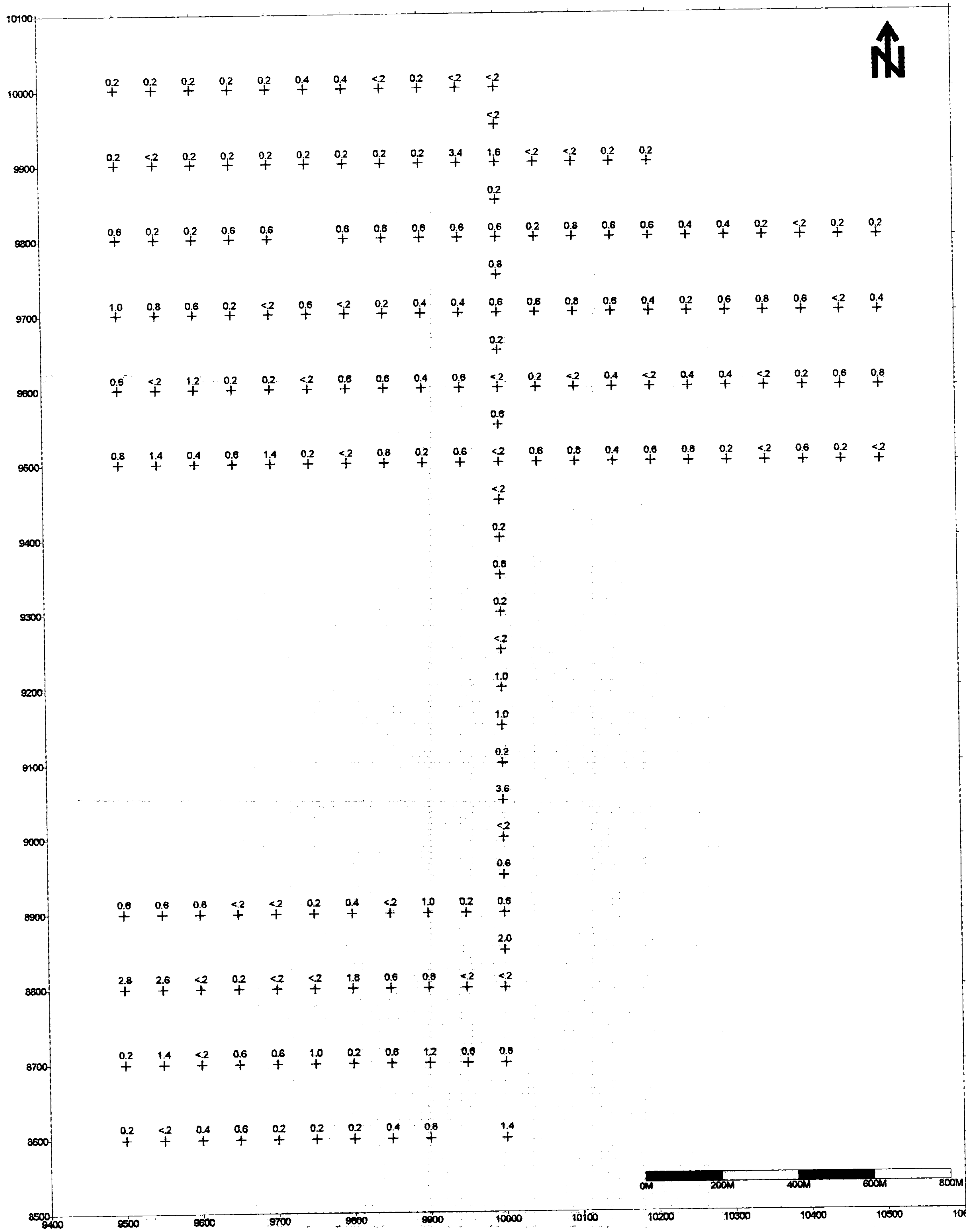
MANSON CREEK RESOURCES LIMITED
VERA SOIL SAMPLING GRID CLAIMS 77 to 80
Values plotted for Lead (ppm, ICP 70) Sampling performed August 1998



MANSON CREEK RESOURCES LIMITED

VERA SOIL SAMPLING GRID CLAIMS 77 to 80

Values plotted for Zinc (ppm, ICP 70)
Sampling performed August 1998

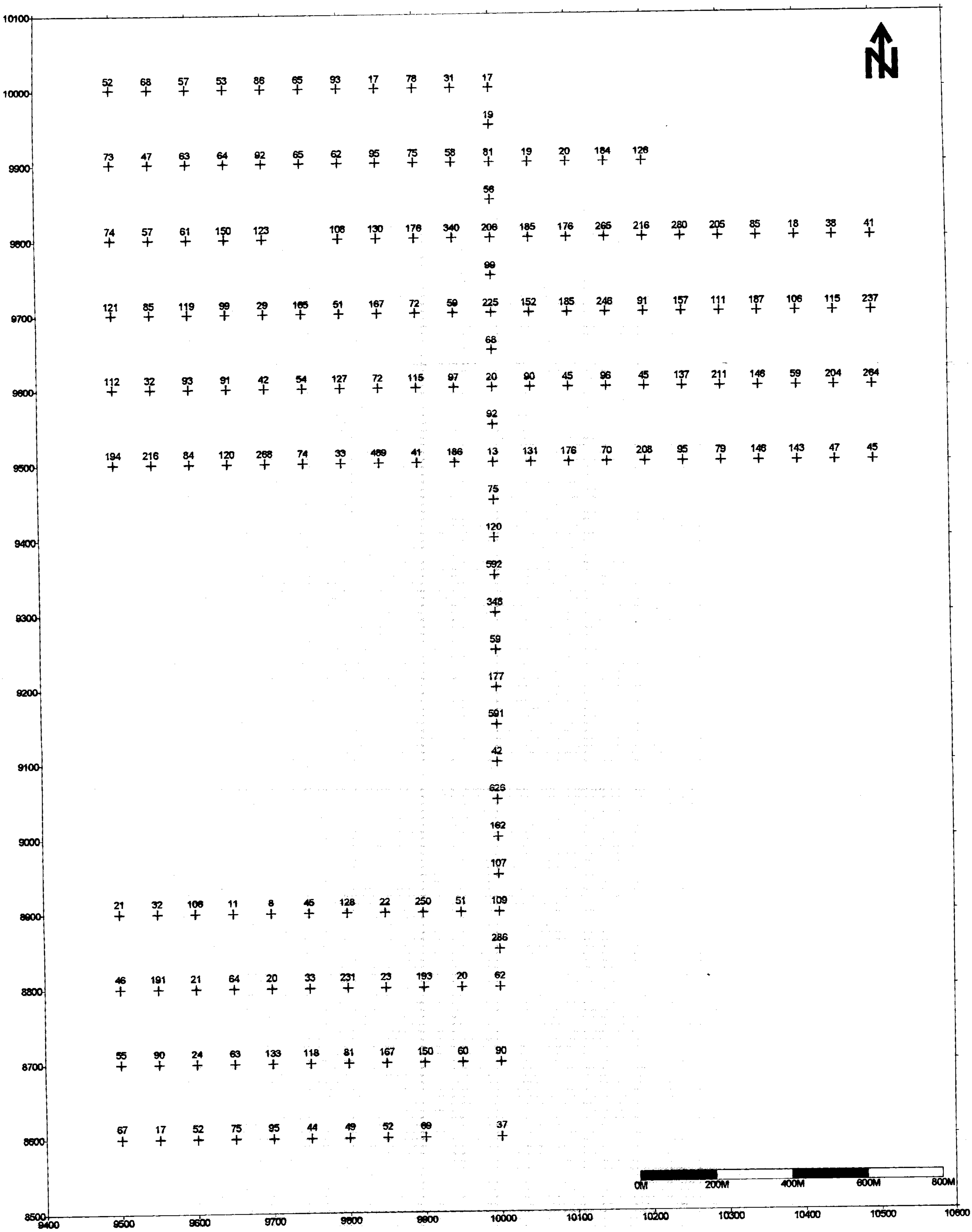


The UTM co-ordinates of grid location 10000E and 10000N are 561660 E and 7 136 179 N.

MANSON CREEK RESOURCES LIMITED

VERA SOIL SAMPLING GRID CLAIMS 77 to 80

Values plotted for Silver (ppm, ICP 70)
Sampling performed August 1998



The UTM co-ordinates of grid location 10000E and 10000N are 561 660 E and 7 136 179 N.

This point is just south of the creek.

MANSON CREEK RESOURCES LIMITED

VERA SOIL SAMPLING GRID CLAIMS 77 to 80

Values plotted for Copper (ppm, ICP 70)
Sampling performed August 1998

4.2 Geological Notes and Sample Results KLA, Rusty, VAL and VERA Claims Rusty Mountain Area, Y.T. by G. Sivertz, P. Geol., October 26, 1998.

MANSON CREEK RESOURCES LTD.

Geological Notes
and
Sample Results

KLA, Rusty, VAL and VERA Claims
Rusty Mountain Area, Y.T.

by George Sivertz, P. Geo.

October 26, 1998

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VERA Grid (VERA Main and Scarp Veins)

A) Introduction

Work in 1998 included:

1) Rechaining and repicketing of the 1984 drill grid (25m centers);
2) Relocation and marking of 1979-1985 DDH collars;
3) 4.2 km of linecutting;
4) 4.0 km of gradient array IP-Resisitivity surveys;
5) Geological mapping at 1:500 scale;
6) Limited sampling of vein outcrops.

B) General Observations

The drill grid, access roads, trenches, and drill pads in the Main and Scarp vein areas are generally well preserved. Some drill pads are partially covered with debris derived from slope wash and solifluction, so the hole collars are buried. Most of the bulldozer trenches are intact, with only minor slumping from the walls. Parts of the road system leading east and upslope from the adit portal are washed out, but the erosion has exposed previously buried mineralized outcrops. The road from the trailer camp to the portal is in good shape, with only minor washouts and bank slumps.

The timbering at the portal of the adit has collapsed. There is loose rock overhead at the portal and upslope, as well as on the back of the adit for several meters from the portal. Eventually the adit will cave in the portal area unless the timbering is replaced.

Conditions in the main section of the drift (5235E-5695E) are unknown.

With few exceptions, surface exposures of the Main and Scarp veins consist only of weathered rubble or large subcropping boulders, making precise mapping of contacts and accurate sampling virtually impossible.

C) Geology and Mineralization

Description of the mineralogy and textures of the main VERA ("Gunsight") vein are recorded in various earlier reports. A mineralogical study by Diane Howe (1980), part of a BSc Honours thesis, provides some polished section data.

1) Scarp Vein

The Scarp vein is exposed in a longitudinal bulldozer trench lying between lines 5175E and 5225E from 5100-5165N, 135-200m south of the surface trace of the Main vein. The vein has a narrow (10-30 cm) core of massive foliated galena within a quartz-siderite zone containing disseminated crystals and aggregates, veinlets, and fracture coatings of galena and zinc carbonate. Tetrahedrite occurs with galena in the massive core zone and in trace to minor amounts in the quartz-siderite zone. The vein can be traced for 78m in the bulldozer trench; it strikes 018-020° near its south end and curves gradually north to 005-010° near the northernmost exposure. It terminates abruptly at its south end; this may be due to a fault striking 125° with a steep northeasterly dip which cuts the vein's east wall. At the north end, the bulldozer trench turns to the east of the vein trace. Float to the north of the point where the vein subcrop disappears under the trench windrow indicates that the vein subcrops for a least 35m north of the last trench exposure.

Surface samples of the scarp vein, taken by D. Penner (Prism) in 1979 returned 9.58 oz/t to 34.8 oz/t (328 g/t to 1193 g/t) silver with 0.98% to 34.8% lead across 4.0m widths (3 samples). A high grade grab sample representing the galena-tetrahedrite core, taken in 1998, assayed 127.46 oz/t (4370 g/t) silver with 85.94% lead. Additional chip samples were taken in August 1998; these assayed between 7.18 oz/t and 110.98 oz/t silver (246 g/t to 3805 g/t) over widths of 0.3 to 2.5m (samples 386868-71).

Drilling of the Scarp vein was conducted in 1979. The five holes, VE79-01/02 and VE79-18, 19, and 20, were drilled along a 55m section near the south end of the vein trace. None of the holes intersected the massive galena-tetrahedrite "core" vein exposed on surface. DDH VE79-1 intersected 2.75m of heavily oxidized, manganese oxide stained siderite-quartz-dolomite breccia and vein stockwork with minor galena and locally abundant smithsonite. Assays through this zone averaged 0.19% Pb, 3.86% Zn, and 0.33 oz/t (11.5 g/t) Ag. A steeper hole, VE79-2, drilled on the same azimuth (090°) from the same setup cut a weakly mineralized (<1% Pb and Zn) breccia over a core length of 1.68m. The two holes were logged by different geologists and the descriptions of the two zones vary, but it appears that the two zones differ somewhat in their mineralogy and texture. If the zones intersected in the two holes are from the same structure, the indicated dip is only 45°-50° to the west, much more shallow than the attitudes measured at surface (65° to 82° westerly).

The three holes drilled south of VE79-01/02, VE79-18, 19 and 20, did not intersect the Scarp vein or any brecciated or fractured structure of significance.

The Scarp vein has a strongly defined surface expression with an apparent strike length of 100-110m; 70m of this has been proven by bulldozer trenching and a northern 30-40m is indicated by float or subcrop. The talus slope below the vein outcrop is littered with thousands of tonnes of mineralized float including manganese oxide coated siderite-quartz boulders, leached zinc rich quartz-carbonate "clinker", and massive galena-tetrahedrite cobbles. This debris extends northerly beyond the point where the vein is exposed by trenching but in progressively lesser amounts as the trace of the main Vera vein is approached. The projected intersection point of the Scarp vein trace with the main Vera vein lies between 5225E and 5240E at 5300N; a trench at this point contains abundant MnO_2 coated siderite containing sparse galena and tetrahedrite. A large zone of similar material derived from the outcrop/subcrop of the West Shoot of the main vein lies a few tens of meters upslope to the east centered at 530N-5300E. This material has undoubtedly been spread downslope and masks the Scarp-Main vein intersection area, leaving some doubt as to the source of the mineralized debris in the projected Scarp-Main vein intersection area. Clearly recognised are the following facts:

a) The Scarp Zone vein has been exposed by bulldozer trenching over a length of 78m. Apparent widths of siderite-quartz-galena-tetrahedrite-smithsonite mineralization range from 1.5m to 4.0m. The vein contains a narrow core of massive foliated coarse crystalline galena with 1-3% tetrahedrite.

b) A large tonnage lies downslope from the vein trace, indicating long-term erosion of the vein.

c) Five drill holes drilled from the west (downslope) side of the vein tested a 55m strike length. Of these, one was drilled south of the southern end of the vein trace and intersected no mineralization. The other four (VE79-01, 02, 18, and 19) were drilled farther north. DDH VE79-19 may have passed through the footwall side of a northeast dipping fault cutting off the vein at the south end. Of the remaining three, only the shallowest northernmost hole intersected a mineralized zone which could be interpreted to be the downdip extension of the Scarp vein, although contemporary workers thought not (Penner, 1979).

Two explanations for the results to date can be offered:

a) The Scarp vein is a lens-shaped pod or "gash" vein with maximum strike length of 110-120m, limited vertical dimensions (say 50-60m, of which 10-20m remain in place), and horizontal geometry. It has mainly been eroded away.

b) The Scarp vein is a mineralized joint (or possibly a fault) which intersects the Main vein joint system (or fault system) at an angle of 60-70° and was mineralized at the same time and by the same processes as the Main vein. The higher grade sections of the Scarp vein may be restricted to distinct "shoots" as in the Main vein and the VAL South Hill Zone vein. The strongly mineralized shoots may rake at any angle in the plane of the vein (as in the South Hill Zone). In the case of the Scarp vein, the best mineralization may rake northerly towards the Main vein at a moderate angle.

A program of trenching between the presently exposed north limit of the Scarp vein, at 5165N-5215E and it projected intersection with the Main vein at 5300N-5230E should establish the surface trace of the vein. This area, particularly north of 5200E, has a relatively thick layer of mixed talus and alluvium deposited as a fan in an old stream channel. Hand trenching would be impractical; a tracked excavator would be of tremendous value here and elsewhere on the claims. Depending on the trenching results (or in any event, if trenching cannot be conducted) three drill holes, collared at 5160-5175N/5185E, 5200-5210N/5195E, and 5250N/5200E and drilled 090-100° at -45 to -60° would effectively test the suspected northern segment of the vein.

2) Main Vein

The main vein is poorly exposed on surface west of the adit (5200E) and east of line 5700E, where it appears to split into two or more separate veins. Trenching at 25m intervals along section lines, preferably using a large tracked excavator, would be useful in guiding further drilling in these areas. Lithological evidence suggests that the prospects for following the surface trace of the vein system along strike are better to the west than to the east, since the relatively competent dolomite unit appears to continue westwards but "shales out" on surface to the east. Examination of the alluvium in "Camp Creek", which drains northerly down the north slope of Rusty Mountain to the VERA camp, yields only minor amounts of altered rock. This suggests that if the eastward trace of the Main vein crosses the stream course, it is only weakly developed near surface. Drill information from the Main vein indicates that:

a) Strongly mineralized sections (i.e. >200 g/t Ag over >3.0m widths) form sharply bounded "shoots".

b) The vein system can be traced west as far as 4950E. To the west of 4950E only weakly oxidized fracture zones were intersected in holes 84-16, and 85-3, 4, 5, and 6. It appears likely that the vein system extends beyond 4950E, but has been displaced to the north or south.

c) East of 5700E, the drill holes defining the eastern limits of the vein, notably VE 80-26 and 80-33, intersected "vein material" consisting of quartz-carbonate-siderite breccia and rubble with chalcopyrite stringers and blebs. No assay samples were taken from these holes, so they are noted on cross and longitudinal sections as "0/0"(0 grade, 0 width). A series of holes drilled in 1981 between 5700E and 5800E (581-2 to 581-9) intersected weakly mineralized vein material between the 0m and +75m levels. The 1981 drilling failed to corroborate the strong intersection of hole 80-24. There is a possibility that the vein system has a strongly mineralized footwall splay east of section 5700E, and the 1980 and 1981 holes in this area were not drilled far enough south to intersect it.

d) The vein system is poorly explored below the –50m level, and drill information below the 0m level is scanty east of section 5600E. The intersections of holes 79-21, 80-30, 80-39, 80-40, 80-42, and 84-6 suggest the possibility of mineralization between sections 5350E and 5550E from the –50m level to a point below the –150m level. Similarly the possibility of an easterly rake to mineralization below the –50m level east of section 5600E has not been tested.

VERA and RUSTY Claims

A) Introduction

Several new and previously known showings and mineralized areas were prospected and sampled in 1998. From north to south, these are:

(1) NW Ridge (samples 386862-386867)

(2) North Creek (samples 386840, 386848-51)

(3) Camp View Vein (west) (samples 386873-386878)

(4) Camp View Vein (east) (samples 386831, 386836-386838, 386841-386847, 386859-386861, 386882)

(5) NE Ridge (samples 386879-386880)

(6) GD Showing (samples 386833-386834)

(7) Main Vein Area (samples 386801, 386886-386889)

(8) Rusty Mountain Peak (samples 386824-386830)

(9) 'Marco' Showing (samples 386812,813 and 819)

(10) South Rusty Mountain Showing (samples 386811, 386852, 386853, Ann 03)

(11) Stromatolite Showing (sample 386890, Ann04, Ann05)

The names of most of these are informal and were coined to serve the immediate purpose. Brief updated descriptions and sample results are given in the following sections.

B) Mineralized Zones

1) NW Ridge

This is the steep-sided, north-south trending ridge centered 2.5 km NNW of the VERA adit. The central and NW sections of the ridge are formed of hornblende-biotite diorite. The contacts between the diorite body and the limestone-limy siltstone host rocks are conformable on the south and southwest sections of the ridge and may also be so on the north side. Contact effects in the limy rocks are restricted to weak silicification for a few meters away. Fractures within diorite, particularly along the contact on the north side of the ridge, contain quartz veins and grey to white limestone lenses. These contain disseminated to locally semi-massive pyrite, galena, sphalerite, and chalcopyrite. Chip and grab samples from a vein system extending from 7135784N-559900E to 7136000N-559588E contain up to 6.62% lead, 40.84% zinc, and 5.32% copper but silver grades range only up to 1.14 oz/ton (39 g/t) with negligible gold. The lack of silver in the vein system, together with the presence of copper as chalcopyrite (not tetrahedrite) suggests that the veins may belong to the "camp view" type, considered to be older than the Main Vein type. No further work is recommended on these veins.

2) North Creek

This area is 3 km NNE of the VERA adit. The lower section of the creek, to a point about 300m upstream from it mouth, contains quartz-carbonate float with sphalerite and minor galena, tetrahedrite, and chalcopyrite. Similar float fragments occur in soil adjacent to the creek on the east side. Composite samples of mineralized float fragments were collected in 1998 from the stream (386850) and from soil exposed in a clearing just east of the creek (386851). The stream float sample assayed 3.42% each of Pb and Zn, with 2.55 oz/t Ag (87.4 g/t). The float-in-soil sample ran 4.54% Cu, 0.52% Pb, 0.42% Zn, and 7.17 oz/t Ag (245.8 g/t). Small showings in the drainage of the creek lie 1.4 km to the SW (386840), 1.25 km to the SSW (386848), and 150m upstream from sample site near the creek mouth (386849). The only one of these with significant silver content is 386840, a sample of manganese oxide-stained green-grey siltstone float with narrow veinlets of galena-sphalerite-siderite-quartz. It assayed 7.63% Pb, 1.36% Zn, and 7.84 oz/ton (268.8 g/t) Ag.

Small area soil geochemical surveys done in 1981 and 1985 indicate that lead, zinc, and silver anomalies occur within a 6.0 ha area near the creek mouth. An expanded soil survey was conducted in 1998 to assess the metal distribution over a wider area. (See AppendixVII) for results.

3) Camp View Vein (west)

Quartz-carbonate veins, probably part of the Camp View vein system, cut through a saddle in a north trending ridge 1.8 km NNW of the VERA adit. The majority of the veins strike 120°-135° and dip steeply SW. An associated vein system is exposed at intervals along a small scarp which strikes 160° and intersects the Camp View veins on the east side of the ridge.

Samples were taken from both the Camp View and SSE trending veins. Most samples contained galena, sphalerite, tetrahedrite, and chalcopyrite in a quartz-ankerite gangue; one sample was collected from a lens of chalcopyrite with no other visible sulfides. The highest silver grades obtained were 14.6 oz/ton (500.6 g/t) and 10.1 oz/ton (349.7 g/t) from select grabs of frost-heaved, subcropping vein material. Both samples had 3 to 5% tetrahedrite (386877, 386878). The high-chalcopyrite sample (386874) contained only 0.54 oz/ton (18.5 g/t) silver with 2.535% copper.

A single chalcopyrite-siderite-quartz sample (386873) was collected from a vein belonging to the Camp View system at a point a few tens of meters west of the junction of the two vein systems. This contained 6262 ppm Cu and 1.49 oz/ton (51 g/t) Ag.

All of the samples collected from the two vein systems in this area, except the chalcopyrite-quartz specimen (386874) contain anomalous arsenic and antimony. This is particularly true of the samples from the SSE trending veins which contain tetrahedrite and possibly other sulfosalts. In the four samples from the southern section of the vein trace, arsenic ranges from 4007 to 9507 ppm, with 122-1079 ppm antimony. The As:Sb ratio varies from 80:1 to 5.5, suggesting that either the composition of the tetrahedrite varies considerably or that more than one As-Sb bearing mineral is present.

4) Camp View Vein (east)

The veins were sampled at intervals along approximately 3 km of strike. Most of the samples were taken from the prominent steep-sided hill 800m NE of the VERA camp. In general, high grade sulfide bearing vein material was sampled in order to determine maximum silver grades.

On the hill NE of the VERA, there are two main quartz-carbonate veins which strike 110°-125° and dip 60°-70° SW. The southern vein contains traces of pyrite and chalcopyrite; a rough chip sample (386861) assayed 226 ppm Cu and 309 ppm Zn with no detectable Ag. The vein is roughly 15m wide where the sample was taken; it narrows gradually to the east and is 1-2m wide on the hilltop.

The northern vein, which has a maximum width of 2.5m, lies 50-100m north of the larger southern vein. On the top of the hill and on the steep western slope, the north vein has a slightly more easterly strike than the south vein and so converges with it to the west. Numerous grab and chip samples from the northern vein, taken at intervals along 240m of strike, returned high Cu, Pb, and Zn grades with 1.16-12.6 oz/ton (39.8-432 g/t)

Ag. Silver is present with chalcopyrite as well as galena (± sphalerite). Three chip samples (386845-396847) assayed 1.16-6.31 oz/ton (39.8-216.3 g/t) silver with 0.495-5.774% Cu, 2.53-6.68% Pb, and 0.99-3.93% Zn. Gold content of all Camp View vein samples is very low, ranging from 0.001-0.004 oz/ton.

To the east of the hilltop, the vein system can be traced by sporadic exposures for at least 2.5 km. Several veins 30 cm – 200 cm wide are usually present, and there are often two zones of veins tens of meters apart. Samples with high sphalerite, galena, and chalcopyrite content from the east side of Camp View hill assayed 0.82-10.14 oz/ton (28.1-347.7 g/t) silver. A chalcopyrite lens near a bulldozer trenched vein exposure 650m ESE of the hill (386882) contains 2.81 oz/ton (96.3 g/t) silver with 25.8% copper. Another chalcopyrite bearing quartz vein, 2.5 km ESE of the hill, assayed 1.49% Cu and 1.38 oz/ton (47.3 g/t) Ag with only a trace of Pb-Zn. Apparently unmineralized quartz-dolomite veins outcrop 80m north of the chalcopyrite bearing vein; the whole system is similar to and on strike with the Camp View veins farther to the WNW.

5) NE Ridge

Quartz-dolomite-siderite vein rubble and subcrop occur along narrow linear breaks (probably joints) in diorite, 1.2 km east of Camp View hill. The linears strike 160° and are commonly 5-10m wide. Two samples of subcropping vein rubble were taken roughly 100m apart in a prominent linear near the western side of the diorite body. One contained abundant arsenopyrite (386879) and assayed 5.34 oz/ton silver (183 g/t) with 0.159% Cu, 1.68% Pb, 1.70% Zn, 56425 ppm As, and 2828 ppm Sb. The northern sample, with high galena content, contained 14.89 oz/ton (510.5 g/t) Ag with 0.071% Cu, 35.7% Pb, and 5.21% Zn. As and Sb contents were much lower, at 148 ppm and 844 ppm.

6) GD Showing

The GD showing consists of cobbles and boulders of galena-tetrahedrite-chalcopyrite-sphalerite-pyrite in dark grey shale, mudstone, and siltstone. The area float, just north of the VERA airstrip, was bulldozer trenched in 1979-1980 and 1985. No in-situ source of the galena float is presently exposed although Krause (1985) describes a narrow vein of sheared (foliated) galena. Two samples of high grade material were taken (386833 and 386834). They assayed 222.56-229.91 oz/ton (7630.9-7882.7 g/t) Ag, with 5.59-7.32% Cu, 43.65-60.48% Pb, 2.0-3.07% Zn, and 0.004 oz/ton Au. Both samples had abundant tetrahedrite with lesser chalcopyrite. Arsenic contents are fairly low (1054-1116 ppm) but antimony is high (25560-26796 ppm).

7) Main Vein Area

A few samples were taken from the VERA Main vein and the surrounding area. One sample from the footwall of the main vein, approximately 200m south of the vein trace (386801) assayed 42.81 oz/ton (1467.8 g/t) Ag with 0.07% Cu, 63.84% Pb, and 1.88% Zn. This showing, consisting of subcropping frost-heaved vein float, was discovered in 1979 but has not been trenched due to its difficult location. Like other "main vein" type samples, this showing has fairly low As (129 ppm) with higher Sb (1498 ppm), indicating low arsenic content in tetrahedrite.

Two samples from the west shoot of the main vein, at 5276N-5357E, assayed 32.02 oz/ton (1097.8 g/t) and 54.2 oz/ton (1858.3 g/t) silver. Both of these samples have high lead contents (47.88% and 70.26%) with low As (51-82 ppm) and Sb (1165-2079 ppm). A sample of high-tetrahedrite float, taken at 5300N-5230E (386886), contained very high silver (891.88 oz/ton, 30579 g/t), copper (5.228%), arsenic (21499 ppm), and antimony (28065 ppm) compared to other main vein ores. The sample may belong to the Scarp vein system. Another tetrahedrite rich sample was collected from a narrow sparry dolomite vein at 5585N-5360E, on the hangingwall side of the main vein and noted on the map as the 'Jorge Showing'. This sample (386887) contained 66.81 oz/ton (2290.6 g/t) Ag, 0.206 oz/ton (7.06 g/t) Au, 7.54% Cu, 0.09% Pb, and 0.55% Zn. The gold assay is unique and unexpected. As might be expected with the high tetrahedrite content, arsenic and antimony results are high at 336.9 and 35227 ppm respectively. Another interesting aspect of these two samples is their very high bismuth contents, 1051 and 2890 ppm respectively. Bismuth is uncommon in most VERA ores.

Another occurrence of vein float, which may be more or less in situ or may be a remnant of a more extensive float train derived from the main vein, lies just north of the road to the VERA camp between 5430N-5260E and 5500N-5340E. This consists of manganese oxide stained, smithsonite-sphalerite rich quartz-siderite boulders. The occurrence was bulldozer trenched in the 1980's with inconclusive results. Two samples were taken, one from each of two trenches 70m apart (386888, 386889). These contained 7.49-11.68% zinc, with low copper, lead, silver, arsenic and antimony values. These results together with the geology of the occurrence suggest that the mineralization represents a zinc-rich, NE striking vein in the main vein hangingwall.

8) Rusty Mountain Peak

A total of seven samples was collected from the high ridges east and west of the peak of Rusty Mountain (386824-386830). These returned low silver assays, except for 386826, which is from a tetrahedrite rich vein on the footwall margin of a quartz-carbonate veinlet. The occurrence is small but interesting because of its silver content (116.37 oz/ton, 3989.9 g/t) and very high As (42144 ppm), Bi (7047 ppm) and Sb (26705 ppm).

9) "Marko" Showing

This float (talus) occurrence was discovered in 1998 by Marko Stefanovic. Fragments of galena-tetrahedrite up to 20 cm diameter are found in slightly rusty, manganese oxide stained mudstone talus on the south side of a gully draining the west flank of Rusty Mountain. The float can be traced roughly one-third of the way up the talus slope; at this point it is obscured by coarser unmineralized talus from above. Manganese-stained mudstone and siltstone talus fragments and minor quartz-limonite vein debris can be traced laterally west across the hillside for roughly 100m from the high grade float occurrence. Two samples of high grade float were taken, from the upper and lower parts of the talus. Silver content is high, at 211.3-258.26 oz/ton (7244.5-8854.7 g/t). Lead in the highly leached talus material is also high, averaging 76.36%, while only 0.32% zinc is present. As, Bi, and Sb are anomalous to strongly anomalous, averaging 291 ppm, 39.8 ppm, and 9089 ppm respectively.

The mudstone-siltstone host rock, foliated texture, galena-tetrahedrite mineralogy, high silver content and platy form of the float indicate that its source is a vein or system of veins similar to the Siltstone vein on the Val property.

10) South Rusty Mountain Showing

This was re-sampled for geochemical data. Quartz and siderite-quartz veins occur in linear depressions, which are probably mineralized joints, in biotite-hornblende diorite. The quartz veins appear barren. Siderite veins, composed of coarse grained siderite with intergrown crystalline quartz, occupy the same fissures as barren quartz and may be part of a composite vein system, or a separate entity formed earlier or later than the quartz veins. Some breccia textures exist, and the siderite veins weather readily into small manganese and limonite stained fragments. Malachite-stained tetrahedrite occurs in siderite veins at two localities, the "main" showing and another vein 135m to the SE. A select sample of tetrahedrite-siderite from the main showing (386811) assayed 244.65 oz/ton silver (8388 g/t) with 3% Cu, 0.28% Pb, 0.69% Zn, 334 ppm As, 15581 ppm Sb, and 98 ppm Bi. A second select sample from the vein to the SE (386853) ran 18.05 oz/ton (618.9 g/t) silver, 0.982% Cu, 0.61% Pb, 8.63% Zn, 525 ppm As, 3492 ppm Sb, and 16 ppm Bi. A narrow sphalerite-galena vein in ankeritic dolomite, 100m south of the "main" tetrahedrite showing, contains low silver grades (0.18 oz/ton) with 3.24% Pb, 30.41 % Zn, and low As, Bi, and Sb.

11) Stromatolite Showing

The stromatolite showing is located on the VERA 90 claim, 2.5 km WNW of the Siltstone showing (7128750N-559490E). It consists of veins and minor breccia composed of sparry dolomite, barite, tetrahedrite, galena and sphalerite hosted by orange weathering stromatolitic dolomite. The dolomite outcrops as a block or wedge within an extensive unit of fissile dark grey shale. The shale and dolomite units are found only on the south side of the adjacent stream; quartzite underlies the north side for a considerable distance to the WNW and ENE. The quartzite, which has thin interbeds of siltstone, strikes NW and dips moderately NE. The stream runs along strike and may follow the contact between quartzite and the underlying shale.

The mineralization in the orange dolomite appears to be related to a fault (?) scarp at the east end of the dolomite outcrop. The scarp strikes north and dips steeply east. Remnants of vein material adhere to the scarp face, and fractures normal to the face are mineralized. Large mineralized dolomite boulders lie at the base of the scarp and downslope into the creek.

Grab samples of the mineralized boulders, taken in 1981, assayed 43.8% Pb, 5.83% Zn, and 15.83 oz/ton (542.7 g/t) Ag and 6.55% Pb, 2.86% Zn, and 2.48 oz/ton (542.7 g/t) Ag. A 30 cm chip of barite-tetrahedrite rich breccia from the base of the scarp, collected in 1998, returned grades of 33.96 oz/ton (1164.4 g/t) Ag, 2.04% Cu, 4.48% Pb, and 0.42% Zn (sample 386890). As expected with the high tetrahedrite content, the sample also contained high As (1471 ppm) and Sb (14210 ppm). Sample Ann 04 assayed 1.45% Pb and 1.64% Zn with no silver. Sample Ann 05 assayed 1.2% Pb, 2.03% Zn and 393 g/t silver.

The area surrounding the showing, particularly to the north and west, has evidence of strong fracturing, probably related to a north-striking regional fault in the valley 200-300m west of the showing. A sample of fractured, brecciated quartzite (386891) from the east side of the valley contained 8230 ppm zinc with 3.5 ppm Ag. The rocks in this area belong to the upper part of the VAL (Pinguicula) sequence; there is good exposure at least on the east side of the valley and more exploration is warranted.

VAL and KLA Claims

A) Introduction

The following showings on the VAL and KLA claims, outside the limits of the VAL grid area, were examined in 1998:

1) West Ridge (samples 386892-386896)

2) SHZ West (386821-386823)

3) "A" Zone (386897-386898)

4) PAKA (386804)

5) PAKA South (386818)

6) Quartzite (386807)

B) Mineralized Zones

1) West Ridge

This area was prospected and bulldozer trenched in 1988. The rocks exposed are sandy grey to buff weathering dolomite, maroon shale and mudstone, and polymictic pebble conglomerate with a hematite-rich mudstone matrix. They are believed to overlie Val sequence (Pinguicula Fm) rocks and probably belong to the late Precambrian Rapitan Fm.

The area trenched extends up the east end of a ridge 4.5 km WNW of the VAL Siltstone showing (7129000N-7129100N, from 558060E to 558400E). At the east end of the trenched area is a small showing of tennantite-tetrahedrite in highly fractured siliceous grey dolomite. A sample (386892) assayed 1.611% Cu, 0.19% Zn, and 0.45 oz/ton (15.4 g/t) Ag. The sample also contained abundant arsenic (4881 ppm) and relatively low antimony (770 ppm). Farther west, samples were taken from various exposures of hematite-rich mudstone and conglomerate, and from another outcrop of fractured, brecciated grey dolomite. None of these samples contained anomalous amounts of precious or base metals. Subcropping dolomite-ankerite breccia with traces of malachite from a locality 65m east of the tetrahedrite showing assayed only 173 ppm Cu with 1.0 ppm Ag (386896).

2) SHZ West

An attempt to trace the South Hill Zone fracture/fault system to the SW resulted in the discovery of sphalerite-galena-tetrahedrite mineralization in situ and in float. The sparse, fracture-hosted sulfides occur near the top of a north-facing slope 1000-1200m SW of the SHZ. The fracture system hosting one of the sphalerite-galena occurrences strikes 255°-270° and dips steeply north. The occurrences appear to be too far south to be directly related to the SHZ system, although a few fragments of massive coarse-grained galena were found farther north and downslope. The writer identified a fine-grained, silvery-grey mineral in samples 386822 and 386823 as tetrahedrite. The sample results indicate otherwise; no copper is present although As and Sb contents are high. The mineral is a sulfosalt, possibly jordanite-geocronite, or a mixture of Pb-As-Sb sulfosalts. In any event, none of the samples contain more than 3.79 oz/ton (129.9 g/t) silver, even though 2.75-6.81% lead is present.

3) "A" Zone

Named after Archie Van Bibber who discovered it from the cab of his bulldozer in 1979, this showing is in an isolated, highly fracture and friable outcrop of "VAL dolomite" on the west bank of a sizeable south-flowing stream. A grab sample taken in 1979 assayed 59.1% Pb, 0.4% Zn, and 56.5 oz/ton (1937.2 g/t) Ag. A 1998 "high grade" grab (386898) ran 27.14% Pb, 17.56% Zn, and 25.93 oz/ton (889 g/t) Ag, with 245 ppm Cu, 2291 ppm As, and 644 ppm Sb. A sample composed of brecciated fractured grey dolomite with sparry dolomite-smithsonite veinlets was taken from the north side of the outcrop (386897). This more or less in-situ material assayed 801 ppm Cu, 6474 ppm Pb, 38772 ppm Zn and 0.72 oz/ton (24.7 g/t) Ag.

4) PAKA

The PAKA showings, discovered in 1979, consist of coarse crystalline galena, minor sphalerite, tetrahedrite, and possibly boulangerite within irregular masses of coarse sparry dolomite and barite. Host rocks are light to dark grey laminated "VAL" dolomite. A sample taken for trace element analysis in 1998 (386804) assayed 32.83 oz/ton (1125 g/t) Ag, with 81.34% Pb and 0.14% Zn. Cu and As contents are low, at 101 ppm and 18 ppm, but Sb is surprisingly high at 1555 ppm. The silver and antimony grades are higher than expected for these apparent "MVT" deposits.

5) PAKA South

Located on the southeast rim of the Rackla River canyon approximately 750m ESE of the PAKA showings, this showing consists of coarse crystalline galena and barite in a sparry dolomite "vein" or lens striking roughly NW, perpendicular to the course of the river. The sparry dolomite body can be traced for some distance within its "VAL" dolomite host, but the galena-barite outcrops for only a few meters. A grab sample of massive galena (386818) assayed 3.60 oz/ton (123.4 g/t) Ag with 54.8% Pb and 0.19% Zn. Copper and arsenic are relatively high (637 ppm and 563 ppm) suggesting the presence of tennantite. The silver content of this showing is much lower than that of the PAKA and more typical of MVT mineralization.

6) Quartzite

This showing, on the SE bank of the Rackla River, 4 km south of the South Hill Zone on the VAL claims, consists of galena-sphalerite-tetrahedrite-pyrite as breccia matrix and veinlets in orthoquartzite. A north trending fault zone may control the mineralized structure, although attempts to trace it have been frustrated by heavy alluvial cover. A sample taken for trace element analysis (386807) assayed 21.0 oz/ton (720 g/t) Ag with 1.115% Cu, 29.43% Pb, and 28.29% Zn, 2117 ppm As, 2570 ppm Cd, and 10767 ppm Sb. These results indicate that the Quartzite mineralization is geochemically more similar to the Pb-Zn-Ag deposits farther north on the VAL claims than to the PAKA showings to the west.

Conclusions and Recommendations:

The mineral showings and deposits on the KLA, RUSTY, VAL, and VERA claims were re-examined to review their structural and lithological settings and re-sampled to obtain trace element geochemical data by ICP analysis. The purposes of this work were to provide data for a classification system for the various vein types, and to identify individual vein types and areas of occurrence worthy of further exploration.

The showings and deposits in the Rusty Mountain area are hosted by carbonate and sedimentary rocks considered by the writer to belong to the Proterozoic Wernecke Supergroup and a late Precambrian and possibly early Paleozoic assemblage resembling the basal unit of Eisbacher's Pinguicula Group. The Wernecke assemblage also includes hornblende-biotite diorite bodies which appear to be sills, although fine-grained and porphyritic equivalents also occur, which has led some workers to classify some bodies as flows. Blusson assigned a Cretaceous age to the diorite units, presumably on the basis of their similarity to the diorite bodies mapped by Green in the Nash Creek map-area. To the writer's knowledge, no regional maps have been published by Government agencies for this section of the Nadaleen River map-area (106C/4 and C/5) since 1976.

Veins and replacement deposits containing galena, sphalerite, pyrite, chalcopyrite, tetrahedrite-tennantite, other sulfosalts, and traces of pyrargyrite and acanthite occur in all the rock types found on the Rusty Mountain block, including diorite. The majority of the deposits are carbonate hosted but potentially important veins occur in siltstone, quartzite, and 'greenstone' (diorite). Gangue minerals include dolomite, ankeritic dolomite, siderite, quartz, and barite. There are largevariations in the silver contents of the deposits; in general, silver appears to be related more closely to sulfosalts rather than to galena.

All of the deposits examined by the writer are epigenetic, and except for the PAKA and PAKA south replacement deposits, all are veins localized by faults or joints. (It should be noted here that the North Kill, Little Red, Big Red, and Tetrahedrite zones on the VAL property, not discussed in this report, also appear to be replacement rather than vein deposits). The Wernecke assemblage rocks and the 'greenstones' on the VERA and RUSTY claims, on the northern section of the Rusty Mountain block, host the largest number of occurrences and the greatest variety of vein types.

The deposits and occurrences can be roughly grouped into six types, based on mineralogy and mode of occurrence. These are:

(A) Chalcopyrite-pyrite-quartz-dolomite veins; chalcopyrite often in semi-massive lenses.
(B) Sphalerite-galena- pyrite-dolomite veins; sphalerite dominates, often in massive lenses.
(C) Galena-sphalerite-tetrahedrite-dolomite veins with minor pyrite and other sulfosalts.

(D) Foliated galena-tetrahedrite veins with minor pyrite, sphalerite, other sulfosalts.
(E) Tetrahedrite-sulfosalt-ankerite-siderite-barite-quartz veins with minor pyrite, chalcopyrite.
(F) Galena-dolomite-barite pods with minor pyrite, sphalerite, chalcopyrite, tetrahedrite.

Examples of type (A) are the Camp View type veins which are hosted by 'greenstone', siltstone, and shale on the VERA and RUSTY claims on the eastern, north-central, and northeastern sections of Rusty Mountain. Silver contents are low, even in semi-massive to massive chalcopyrite lenses. Type (B) veins are common and widespread; they occur in carbonate, siltstone, and 'greenstone'. Galena usually occurs as medium-sized, well formed crystals and is always subordinate to sphalerite. Tetrahedrite is absent, and silver grades are low, with silver-lead ratios (oz/t : %) usually less than 0.2. These veins generally have simple geochemistry, with low As, Bi, and Sb contents. Examples occur on the NW ridge, east flank, and south flank of Rusty Mountain.

Veins of type (C) are the most important silver-rich type, and exhibit the greatest range of textural and compositional styles. Examples are the bulk of the VERA Main vein, some dolomite-rich veins associated with the Camp View vein system, the VAL South Hill zone, the "A" zone, and some of the veins at the Stromatolite showing. Sphalerite is common in these veins; galena occurs in fine to coarsely crystalline masses with tetrahedrite. They have much more complex mineralogy and geochemistry than the type (B) veins; their high silver grades appear to be related to their high galena and tetrahedrite contents. Foliated (and 'steel') galena veins of type (D) occur in the core of the VERA Main vein, at the Scarp, Marko, and GD zones, and at the Siltstone showing on the VAL claims. These veins can have Ag:Pb ratios as high as 4. Tetrahedrite, freibergite, and other sulfosalts are common. Sphalerite content is low, and the veins tend to form massive pods and lenses within lower grade zones.

Very high but erratically distributed silver grades are characteristic of type (E) tetrahedrite-friebergite bearing veins. These often have low average sulfide contents, with tetrahedrite, freibergite, other sulfosalts, pyrite, chalcopyrite, and fine-grained galena and sphalerite concentrated in small lenses and pods in quartz, dolomite, siderite, and barite gangue. All of these veins have high As and Sb contents; many also contain strongly anomalous bismuth. One example, in the hangingwall of the VERA Main vein, contains significant gold. This vein type may eventually be proven to include subtypes with low lead and high lead contents and bismuth-bearing sulfosalts. These potentially important veins occur in south striking faults in 'greenstone' north and east of the VERA Main vein, in sparry dolomite veins in the hangingwall of the Main Vein, in float associated with the Scarp vein, in breccia zones and selvage veins associated with quartz veins on the west ridge of Rusty Mountain and at the South Rusty Mountain showing, and in barite-dolomite veins at the Stromatolite showing.

Irregular pods and lenses of coarse crystalline galena in sparry dolomite and barite gangue occur at the PAKA and PAKA south showings. These type (F) occurrences are quite different from any others in the Rusty Mountain area, although their association with sparry dolomite "breccia" zones in laminated grey dolomite is similar to the more complex, silver rich deposits on the VAL claims.

Silver-bearing veins of types (C,D,E) are concentrated in three main areas within the Rusty Mountain block. Most of the veins, and the largest deposits, are close to the peak of Rusty Mountain on the north, northwest, and south flanks. The second most important concentration is within the upper section of the VAL grey dolomite, or associated with its northern contact with siltstone. The third area, relatively little explored, encompasses the Stromatolite and "A" zone occurrences, west and northwest of the main group of VAL deposits. The reasons for the apparent concentrations of mineralized zones are at least in part related to the difficulty of exploring overburden or talus-covered areas; in other words, the known occurrences were easy to find, and the buried ones have yet to be discovered. However, the high density of occurrences in some bedrock areas and the paucity in others suggests that there are specific and unique structural and (possibly) intrusive controls on the geochemically complex, silver-bearing deposits. These controls have not yet been identified. To remedy this situation, and to aid in the discovery of more silver-rich vein deposits, the following recommendations are offered:

(1)Conduct airborne low-level magnetic and EM surveys over the Rusty Mountain block. The coverage should extend at least a few km west of the N-S valley on the west side of Rusty Mountain.
(2)Complete geological mapping on the west side of the Rusty Mountain block and extend westerly towards Kathleen Lakes (ZAP occurrence). This work would be much more valuable if Government mapping was extended east from 106D/1 and 106D/8 at the same time.
(3)Carefully prospect the west flank of Rusty Mountain from the west limit of the VERA Main vein drilled area south to the "A" zone. There is good rock exposure near the valley bottoms and on the lower slopes at intervals as far south as the Stromatolite showing. This area was not explored thoroughly in the late 1970's and early 1980's. Areas suitable for soil geochemical sampling, where overburden is relatively thin and well drained, should be noted during prospecting and mapping traverses.
(4)Conduct soil geochemical sampling of selected areas along the west side of the Rusty Mountain block. This work should extend but not duplicate 1978-1981 work unless infill sampling is needed.
(5)Trench areas anomalous in Pb-Ag-Zn-Cu with a tracked excavator.

Rock Samples Collected by G.Sivertz on Val, Vera, KLA and Rusty Claims

Lab Sample Number	UTM Northing	UTM Easting	Claim	Zone	ICP Ag	Ag**Assay	ICP Pb	Pb Assay	ICP Zn	Zn Assay
					ppm	oz/t	ppm	%	ppm	%
386801	7132600	560600	VERA 15	Main Vn	76.4	42.81	19450	63.84	15134	1.88
386802	7116250	551300		ROD	58.2	61.25	12636	75.61	2068	0.24
386803	7128900	539000		KATHLEEN	100.4	13.97	22452	31.35	99999	22.54
386804	7121400	561500	KLA 15	PAKA	63	32.83	14316	81.34	1362	0.14
386805	7126350	563500	VAL 29	SHZ	58.2	113.45	13752	80.8	38934	4.44
386806	7128000	562000	VAL 20	SSZ	59.2	56.41	15017	81.58	14979	1.75
386807	7122400	563400	KLA 39	QUARTZITE	97.9	21	20959	29.43	99999	28.29
386808	7132798	560518	VERA 15	Main Vn	71.7	32.02	21794	47.88	3661	0.45
386809	7132798	560518	VERA 15	Main Vn	54.6	54.2	18273	70.26	6362	0.75
386810	7132593	560370	VERA 15	Main Vn	65.6	127.46	17341	85.94	4760	0.57
386811	7131341	561700	VERA 121	S. Rusty Mtn.	126.1	244.65	1899	0.28	5359	0.69
386812	7131663	560566	VAL 60	Marco Showing	60.4	258.26	18259	75.04	4319	0.48
386813	7131583	560572	VAL 60	Marco Showing	53.4	209.76	18194	77.62	1416	0.16
386813 R					48.6	212.83	18223	77.72	1392	0.16
386814	7138191	578388	106 C 5		16.6	0	12082	0	18183	0
386815	7131955	580939	106 C 5		2.7	0	180	0	34987	0
386816	713201	581199		Rackla R. W.	1.2	0	646	0	7309	0
386817	7134152	586356	106 C 6	Rackla R. East	14.7	0	17289	0	172	0
386818	7121351	562264	KLA 14	PAKA	47.8	3.6	18233	54.8	1740	0.19
386819	7131750	560767	VERA 118	Marco Showing	21.6	0	280	0	40	0
386820	7126900	563080	VAL 27	LRZ	146.9	89.02	28687	59.44	85285	8.36
386821	7125720	562560	VAL 48	SHZ West	114.2	3.79	27668	6.81	1217	0.14
386822	7125690	562350	VAL 48	SHZ West	18.7	0.64	26589	2.75	310	0.03
386823	7125610	562360	VAL 48	SHZ West	47.2	1.48	30154	5.19	248	0.03
386824	7132280	561400	VERA 130	Rusty Mtn Peak	1.9	0	606	0	2251	0
386825	7132197	561316	VERA 117	Rusty Mtn Peak	19.8	0.58	16634	1.68	11728	1.21
386826	7132260	561310	VERA 117	Rusty Mtn Peak	212.9	116.37	37507	13.62	10356	1.06
386827	7132267	561587	VERA 130	Rusty Mtn Peak	14.6	0	2092	0	1760	0
386828	7132267	561587	VERA 130	Rusty Mtn Peak	4.6	0	739	0	19781	0
386829	7132395	561680	VERA 130	Rusty Mtn Peak	20.8	0.74	120	0.02	240	0.02
386830	7132442	561870	RUSTY 111	Rusty Mtn Peak	39.5	1.16	31892	3.94	99999	11.38
386831	7133820	561620	VERA 46	Camp Vn Zone E.	98.2	2.94	33781	16.53	99999	13.06
386832	7136669	561461	VERA 79	N. Creek Grid	4.3	0.14	7053	0.77	52519	5.41
386833	7133670	561173	VERA 44	G.D.Z.	172.6	229.91	31181	43.65	20793	2

Table 1 in Geological Notes and Sample Results by G. Sivertz. October 26, 1998

Rock Samples Collected by G.Sivertz on Val, Vera, KLA and Rusty Claims

Lab Sample Number	UTM Northing	UTM Easting	Claim	Zone	ICP Ag	Ag**Assay	ICP Pb	Pb Assay	ICP Zn	Zn Assay
386834	7133670	561173	VERA 44	G.D.Z.	152.1	222.56	31783	60.48	27768	3.07
386835	7133910	560770	VERA 41	NW of G.D.Z.	4.3	0	262	0	242	0
386836	7133894	561837	VERA 46	Camp Vn Zone E.	27.1	0.82	30287	2.81	73446	7.22
386837	7133890	561860	VERA 46	Camp Vn Zone E.	119.9	10.14	26016	22.84	24880	2.6
386838	7133850	561892	VERA 46	Camp Vn Zone E.	138.7	4.19	7170	0.72	35130	3.61
386839	7133850	560000	RUSTY 124		1.7	0	189	0	164	0
386840	7135083	560753	RUSTY 131	N. Creek Grid	229.4	7.84	31828	7.63	14555	1.36
386841	7133960	561720	VERA 46	Camp Vn Zone E.	116.6	3.29	30561	5.07	15437	1.5
386842	7133950	561740	VERA 46	Camp Vn Zone E.	140.2	12.6	27556	63.85	4083	0.37
386843	7134025	561572	VERA 46	Camp Vn Zone E.	205.7	6.85	31700	16.06	6981	0.73
386844	7134026	561532	VERA 46	Camp Vn Zone E.	238.3	7.69	1511	0.15	642	0.05
386845	7134016	561632	VERA 46	Camp Vn Zone E.	215.4	6.31	33412	6.68	11153	1.1
386846	7134026	561532	VERA 46	Camp Vn Zone E.	51.2	1.41	28161	2.53	9905	0.99
386847	7134020	561500	VERA 45	Camp Vn Zone E.	43.3	1.28	30723	2.79	39232	3.96
386847R					43.8	1.16	32289	2.77	39646	3.93
386848	7134837	561230	RUSTY 130		0.6	< .01	74		6011	
386849	7135955	561532	VERA 78	N. Creek Grid	7	0.19	1491	0.15	10713	1.33
386850	7136083	561636	VERA 78	N. Creek Grid	82.6	2.55	14890	3.42	25142	3.42
386851	7136083	561636	VERA 78	N. Creek Grid	240.1	7.17	4386	0.52	4997	0.42
386852	7131244	561715	VERA 121	S. Rusty Mtn.	1.7	0.18	14525	3.24	99999	30.41
386853	7131227	561775	VERA 121	S. Rusty Mtn.	353.6	18.05	4697	0.61	45863	8.63
386854	7130660	561449	VERA 124	S. of S.Rusty Mtn	4.7	0.14	168	0.02	23189	3.58
386855	7110820	502240	CLARK	Adit	233.1	29.33	13793	29.5	47801	8.49
386856	7110597	502428	CLARK	E.End Trench	370.3	13.99	13746	13.76	77979	13.81
386857	7110573	502300	CLARK	W.End Trench	134.9	4.71	14591	6.82	51613	10.51
386857R					132	4.84	14566	7	50564	10.76
386868	7132580	560400	VERA 13	Scarp Vein	232.2	7.18	28236	40.53	14350	2.03
386869	7132580	560400	VERA 13	Scarp Vein	195.7	43.38	51041	63.8	18900	1.19
386870	7132580	560400	VERA 13	Scarp Vein	184.9	44.98	52672		10792	
386871	7132588	560408	VERA 13	Scarp Vein	412.7	110.98	66886	40.28	40667	4.46
386872	7135034	558634	n/a	N.W. of Rusty	4	0.05	533		358	
386873	7134565	559912	RUSTY 125	Camp View W.	46	1.49	542		240	
386874	7134445	560088	RUSTY 127	Camp View W.	20.5	0.54	262	0.03	189	0.02
386875	7134290	560170	RUSTY 125	Camp View W.	121.3	3.98	36010	16.22	22123	2.54
386876	7134025	560280	RUSTY 126	Camp View W.	28.3	0.86	33152	3.32	92640	10.39

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Rock Samples Collected by G.Sivertz on Val, Vera, KLA and Rusty Claims

Lab Sample Number	UTM Northing	UTM Easting	Claim	Zone	ICP Ag	Ag**Assay	ICP Pb	Pb Assay	ICP Zn	Zn Assay
386877	7134290	560170	RUSTY 127	Camp View W.	419.4	14.6	849	0.09	45718	5.08
386878	7134290	560170	RUSTY 127	Camp View W.	326.2	10.1	159	0.02	81597	8.82
386878 R					322.4	10.28	161	0.02	80059	8.77
386879	7134205	562854	RUSTY 128	NE Ridge	181.7	5.34	18364	1.68	16540	1.7
386880	7134120	562883	RUSTY 128	NE Ridge	307.6	14.89	54127	35.7	48145	5.21
386881	7134115	562690	N/A	E. of Vera/Rusty	2	0.04	310		110	
386882	7133678	562348	NEW RUSTY 205	Camp View E.	84.1	2.81	101	0.01	528	0.04
386883			VERA 15	Airstrip S.S.	1.4	0	681		41	
386884	7106350	583350	106 C 3		1.7	0	34		24	
386885	7127400	517000	106 D	"EL" Gossan	< .3	0	124		6382	
386886	7132840	560390	VERA	Main Grid	305.4	891.88	25726	7.85	8799	1.24
386887	7133104	560469	VERA	Jorge	396.7	66.81	631	0.09	4513	0.55
386888	7132936	560400	VERA	Main Grid	32.1	1.03	1050	0.12	66786	7.49
386889	7132990	560456	VERA	Main Grid	7.7	0.22	228	0.02	99999	11.68
386890	7128720	559500	VERA 90	Stromatolite	534.5	33.96	32920	4.48	3833	0.42
386891	7128936	559278	VERA 90	Stromatolite	3.5	0.09	74		8230	
386892	7129060	558600	VAL 166	West Ridge	13.6	0.45	20	< .01	1448	0.19
386893	7129060	558300	VAL 166	West Ridge	0.7	0.04	35		73	
386894	7129060	558150	VAL 166	West Ridge	1.1	0.04	6		23	
386895	7129070	558250	VAL 166	West Ridge	0.6	0.03	12		32	
386896	7129060	558460	VAL 166	West Ridge	1	0.02	5		65	
386897	7124420	560220	VAL	"A" Zone	20.9	0.72	6474	0.79	38772	4.62
386897R					20.4	0.71	6367	0.78	38169	4.61
386898	7124420	560220	VAL 111	"A" Zone	306.5	25.93	35231	27.14	99999	17.56
386899	7124425	560225	VAL 111	SST Zone	2.9	0.07	581		505	
386900	7124430	560215	VAL 111	SST Zone	184.3	6.18	27854	3.37	58434	5.94
386901	7124435	560230	VAL 111	SST Zone	358.1	11.25	37243	4.53	42206	4.41
386902				West Zone	>100	18.05	>10000	53.9	>10000	10.45

Table 1 in Geological Notes and Sample Results by G. Sivertz. October 26, 1998

MANSON CREEK RESOURCES LTD., RACKLA CAMP 1998
GEOCHEMICAL AND ASSAY SAMPLE LOG

Lab Sample Number	Field Sample Number	Sampler	Medium	Type	Width (Length)	Location (UTM, Grid, Zone)	Description (Mineralogy, Structure)
386801		GS	Rock	Grab of float	NA	VERA Grid Roughly 7132600 N - 560600 E	Galena +/- smithsonite float from local source 200 - 250 m south of main Vera vain. For Ag & ICP.
386802		GS	Rock	Grab of float	NA	ROD showing - gn in 1984? trenches. 7116250 N - 551300 E	Galena +/- qtz, smithsonite float in silver-blue weathering grey shale. Hand trenched in 1984? For Ag & trace.
386803		GS	Rock	Grab	NA	Kathleen (Pan Acheron) deposit. 7128900 N - 539000 E	Galena - sphalerite debris from well mineralized zone in N-S trench. For Ag and trace elements (ICP).
386804		GS	Rock	Grab	NA	PAKA zone - main trench. 7121400 N - 561500 E (estimated)	Galena with minor smithsonite. For Ag and trace elements (ICP).
386805		GS	Rock	Grab	NA	SHZ main trench. 7126350 N - 563500 E (approx)	Galena - sphalerite from main SHZ showing (E. Shoot). For Ag and trace elements (ICP).
386806		GS	Rock	Grab	NA	Siltstone showing. 7128000 N - 562000 E (approx)	Galena - tetrahedrite from slst vein. For Ag and ICP.
386807		GS	Rock	Grab	NA	Quartzite showing. 7122400 N - 563400 E (approx)	Galena - sphalerite from main trench. W dipping sulfide brx with qtzt frags. For Ag and ICP.
386808		GS	Rock	Channel	30 cm	VERA main vein. 5276 N - 5357 E	Galena - sphalerite - tet - siderite from main vein trench. Probably solid bedrock, possibly large boulder. Ag - ICP.
386809		GS	Rock	Grab	NA	VERA - subcropping float. 5276 N - 5357 E	Gn - sp - tet- sid float with high gn content. For Ag - ICP.
386810		GS	Rock	Grab	NA	Scarp zone. 115 m on 192 degrees from 5200 N - 5225 E.	Foliated gn and tet. From scarp vein, but is broken rock from dozer trench. Ag - ICP.
386811		GS	Rock	Grab	NA	South Rusty Mountain showing. 7131341 N - 561700 E.	Qtz - sid - tet - cpy ven material with minor mal. 2 - 3 % tet. For Ag - ICP.
386812		GS	Rock	Grab float	NA	MARKO zone - West Rusty Mtn. 7131663 N - 560566 E	Fragments of gn - tet in slst talus. To 20 cm. Thinly dist. Through 10 x 50 m talus slide.
386813		GS	Rock	Float	NA	MARKO zone - upper talus slope. 7131583 N - 560572 E	As above MARKO zone sample. Float is more abundant higher up talus slope.
386814		AB	Rock	Grab	NA	106 C/6 Bonnet Plume Pass area. 7138191 N - 578388 E	Fuchsite and pyrite in qtz - carb zone on shale - dol contact.
386815		PL	Rock	Grab	NA	106 C/6 Rackla Ridge W. 7131955 N - 580939 E	Smithsonite -/+ sp. float from small frost boil on ridge top.
386816	KT98001	KT	Rock	Grab	NA	106 C/6 Rackla Ridge W. 713201 N - 581199 E	Dol - qtz - ba - sp - sms in veins and fracture fillings.
386817		GS	Rock	Grab	NA	106 C/6 Rackla Ridge E. 7134152 N - 586356 E	Barite - cal - qtz float in qtzt talus - Val package. Float to 30 x 60 cm + mal, gn, cer, sms.
	GS98-001	GS	Silt	Silt	NA	106 C/6 7134940 N - 584210 E	About 450 m upstream from junction with main E-W stream.
386818		GS	Rock	Grab	NA	106 C/5 PAKA S. 7121351 N - 562264 E	Galena - barite in sparry dolomite, on south side of the NE Rackla River, to south of PAKA showing.
	PL98002	PL	Silt	Silt	NA	106 C/6 Rackla Ridge W. 7132240 N - 583240 E	At steep gully junction to main stream.
386819		GS	Rock	Grab	NA	Rusty Mtn West 7131750 N - 560767 E	Cp - lim - qtz carb vein in diorite (float), in stream east of Marko showing.

Table 2 in Geological Notes and Sample Results by G. Sivertz. October 26, 1998

Lab Sample Number	Field Sample Number	Sampler	Medium	Type	Width (Length)	Location (UTM, Grid, Zone)	Description (Mineralogy, Structure)
	AB980001	AB	Silt	Silt	NA	106 C/6 Bonnet Plume Pass area. 7138350 N - 578250 E	Galena +/- smithsonite float from local source 200 - 250 m Same location as GSC sample 775320.
	AB980002	AB	Silt	Silt	NA	106 C/6 Bonnet Plume Pass area. 7138200 N - 577950 E	Main stream above junction with tributary AB980001.
	AB980003	AB	Silt	Silt	NA	106 C/6 Bonnet Plume Pass area. 7137100 N - 578850 E	Main stream just upstream? from GSC silt 775324 (possibly just downstream.)
386820		GS	Rock	Float Grab	NA	Val Property, 10050 N - 9713E 7126900 N - 563080 E	Galena - sphalerite float from sparry dolomite "vein" ENE of Little Red Zone (uphill).
386821		GS	Rock	Chip	20 cm	Val Property 7125720 N - 562560 E	Fracture filling galena and sphalerite in zone 075 - 090 degrees dipping vertically to steep N.
386822		GS	Rock	Float Grab	NA	Val Property 7125690 N - 562350 E	Tet-galena bearing sparry dolomite veins in float. Same zone as 386821 proabably.
386823		GS	Rock	Float Grab	NA	Val Property 7125610 N - 562360 E	Narrow tet +- galena veinlets with sparry dolomite in float. Same type as 386822.
386824	GS98-002	GS	Rock	Grab Subcrop	NA	Rusty Mtn NW Ridge - VERA 7132280 N - 561400 E	Siderite - limonite - MnOx vein.
386825	GS98-003	GS	Rock	Grab Qtz Vein	NA	Rusty Mtn NW Ridge 7132197 N - 561316 E	Qtz with minor sp, gn - same vein source as GS98-004.
386826	GS98-004	GS	Rock	Grabs Float	NA	Rusty Mtn NW Ridge 7132260 N - 561310 E	Tetrahedrite - siderite float on flank of qtz vein.
386827	GS98-005	GS	Rock	Qtz Vein Float	NA	Rusty Mtn NE Ridge 7132267 N - 561587 E	Limonite, py boxwork, qtz vein subcrop on dol-shale contact.
386828	GS98-006	GS	Rock	Qtz-Siderite Float	NA	Rusty Mtn NE Ridge 7132267 N - 561587 E	Siderite - qtz - lim subcrop adjacent to sample GS98-005.
386829	GS98-007	GS	Rock	Chip	60 cm	Rusty Mtn NE Ridge 7132395 N - 561680 E	Qtz vein with cpy & mal. 135/90. Chip - 60 cm from SW side.
386830	GS98-008	GS	Rock	Float	NA	Rusty Mtn E Cirque 7132442 N - 561870 E	Qtz - dol vein float with galena and sphalerite.
386831	GS98-009	GS	Rock	Float	NA	Camp View Knob 7133820 N - 561620 N	Dol - qtz vein 146/62 SW. Galena - sphalerite.
386832	GS98-010	GS	Rock	Chip	10 cm	Airstrip Zone 7136669 N - 561461 E	Qtz - ank vein in black shale. Smithsonite with minor galena. 100/20 N.
386833	GS98-011	GS	Rock	Chip?	60 cm	GD Zone 7133670 N - 561173 E	Gn - tet cemented by calcite? Subcrop? in siltstone.
386834	GS98-012	GS	Rock	Float	NA	GD Zone 7133670 N - 561173 E	Tetrahedrite - rich float from GD Zone.
386835	GS98-013	GS	Rock	Chip	NA	Trench OE 7133910 N - 560770 E	Black shale - rusty weathering, pyritic - near qtz vein and diorite dyke.
386836	GS98-014	GS	Rock	Grab Subcrop	NA	Camp View Vein (S. Vein) 7133894 N - 561837 E	Weakly mineralized gn - sp bearing fractures in qtz - ankerite - siderite vein.
386837	GS98-015	GS	Rock	Grab Subcrop	NA	Camp View Vein (S. Vein) 7133890 N - 561860 E	Higher grade galena with minor chalco, malachite, smiths. Same qtz - carb vein as 014.
386838	GS98-016	GS	Rock	Grab Subcrop	NA	Camp View Vein (S. Vein) 7133850 N - 561892 E	Chalcopyrite - limonite lens in subcropping qtz - carb vein.
386839	GS98-017	GS	Rock	Grab Subcrop	NA	Trench 2E 7133850 N - 560000 E	Limonite - stained dark grey shale with fracture filling medium grained pyrite.

Table 2 in Geological Notes and Sample Results by G. Sivertz. October 26, 1998

Lab Sample Number	Field Sample Number	Sampler	Medium	Type	Width (Length)	Location (UTM, Grid, Zone)	Description (Mineralogy, Structure)
386840	GS98-018	GS	Rock	Grab Subcrop	NA	MERA, G. Mtn. / N. Rusty Mtn., Cat Road 7135083 N - 560753 E	Galena +/- smithsonite float from local source 200 - 250 m / Sphal - gn in limonite stained fracture zone in green-grey siltstone (Val type).
386841	GS98-019	GS	Rock	Grab Subcrop	30 cm	Camp View Hill, E side top 7133960 N - 561720 N	Galena - sphalerite - chalco in 30 cm section of Camp View qtz - carb vein.
386842	GS98-020	GS	Rock	Grab Subcrop	NA	Camp View Hill, E side top 7133950 N - 561740 N	Galena - rich float from fracture zone, south side Camp View vein.
386843	GS98-021	GS	Rock	Chip	30 cm	Camp View Hill, W side of hill 7134025 N - 561572 N	Galena - sphalerite - chalcopyrite rich section of north splay of Camp View vein - W. side hill.
386844	GS98-022	GS	Rock	Chip	30 cm	Camp View Hill, W side 7134026 N - 561532 N	High chalcopyrite content. Qtz - cpy - limonite lens in north splay Camp View vein.
386845	GS98-023	GS	Rock	Chip	1.5 m	Camp View Hill, W side 7134016 N - 561632 N	North splay of Camp View vein - gal, sp, cpy, py in qtz-carbonate.
386846	GS98-024	GS	Rock	Chip	1.8 m	Camp View Hill, W side 7134026 N - 561532 N	As GS98-023.
386847	GS98-025	GS	Rock	Chip	2 m	Camp View Hill 7134020 N - 561500 N	As GS98-024.
386848	GS98-026	GS	Rock	Grab	NA	VERA, N. Creek, Cat Trench 7134837 N - 561230 N	Limonite, pyrite, and smithsonite in fracture zone in green-grey siltstone.
386849	GS98-027	GS	Rock	Grab	NA	VERA, N. Creek Area 7135955 N - 561532 N	Siderite - dolm - gn - sp in narrow vein in siltstone.
386850	GS98-028	GS	Rock	Grab Float	NA	VERA, N. Creek 7136083 N - 561636 N	Sp - gn in cobbles in lower part of North Creek.
386851	GS98-029	GS	Rock	Grab	NA	VERA, N. Creek 7136083 N - 561636 N	Fragments of siderite - sulfide float from cat clearing. Friable and numerous.
386852	GS98-030	GS	Rock	Grab	NA	S. Rusty Mtn. Area, 100 m S. main showing, 7131244 N - 561715 E	Sphalerite +- subordinate galena in narrow south vein(s) in diorite.
386853	GS98-031	GS	Rock	Select Grab	NA	S. Rusty Mtn. Area 7131227 N - 561775 E	Siderite rubble from blast trench south of main showing. Minor malachite showing.
386854	GS98-032	GS	Rock	Grab	NA	S. Rusty Mtn. Area 7130660 N - 561449 E	Siderite - smithsonite rubble, from subcropping vein in diorite.
386855	GS98-033	GS	Rock	Grab	NA	Clark Property - Adit 7110820 N - 502240 E	"Ore" (-siderite - galena) from portal of adit (waste rock dump).
386856	GS98-034	GS	Rock	Grab	NA	Clark Property - E. End, Trench 7110597 N - 502428 E	Subcrop rubble from E end "manto" trench. Sid - galena - lim - smithsonite.
386857	GS98-035	GS	Rock	Trench	1 m	Clark Property - W. End, Trench 7110573 N - 502300 E	In-situ siderite - galena from W end of "manto" trench.
386868	GS98-046	GS	Rock	Chip	230 cm	Scarp Vein 7132580 N - 560400 E	Chocolate brown siderite with minor galena. Typical vein without massive galena.
386869	GS98-047	GS	Rock	Chip	150 cm	Scarp Vein 7132580 N - 560400 E	Siderite-quartz vein (center) with 20 cm massive foliated galena in core.
386870	GS98-048	GS	Rock	Chip	30 X 30 cm	Scarp Vein 7132580 N - 560400 E	Panel of odd euhedral galena crystals in porous siliceous matrix - south end.
386871	GS98-049	GS	Rock	Chip	40 cm	Scarp Vein (16 m NNE of GS98-046)	East wall of vein with disseminated and fracture controlled galena and sphalerite.
386872	GS98-050	GS	Rock	Grab (Float subcrop?)	NA	7135034 N - 558634 E	Quartz-calcite veins in dark grey shale + marcasite or arsenopyrite blebs.

Table 2 in Geological Notes and Sample Results by G. Sivertz. October 26, 1998

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Lab Sample Number	Field Sample Number	Sampler	Medium	Type	Width (Length)	Location (UTM, Grid, Zone)	Description (Mineralogy, Structure)
386873	GS98-051	GS	Rock	Grab (Float)	NA	VERA Grid 7134565 N - 559912 E	[illegible] 200 - 250 NW section.
386874	GS98-052	GS	Rock	Grab	20 cm vein	7134445 N - 560088 E	Cpy-qtz-siderite vein in qtz vein complex. Same vein as GS98-053 to 056?
386875	GS98-053	GS	Rock	Grab (Subcrop)	NA	Rusty Claims 7134290 N - 560170 E	5-10% galena with minor cpy in qtz-siderite vein. Same area as GS98-055 & 056.
386876	GS98-054	GS	Rock	Grab (Vein talus)	NA	7134025 N - 560280 E, S extension of vein of GS98-053, 055, 056.	Weathered vein material with minor galena. Low Ag?
386877	GS98-055	GS	Rock	Grab (Sub-crop Float)	NA	Rusty Claims 7134290 N - 560170 E	Rotten, weathered qtz-siderite vein material, smithsonite rich. Same area as GS98-053.
386878	GS98-056	GS	Rock	Grab (Sub-crop Float)	NA	Rusty Claims 7134290 N - 560170 E	Porous qtz-siderite vein with cpy, smithsonite, tetrahedrite. Same vein as GS98-053, 054, 055.
386879	GS98-057	GS	Rock	Grab (Sub-crop Float)	NA	7134205 N - 562854 E	Odd textured qtz-siderite vein with very fine grained grey sulfide and coarse tetrahedrite.
386880	GS98-058	GS	Rock	Grab (Sub-crop Float)	NA	7134120 N - 562883 E Same vein as GS98-057	Coarse galena-tetrahedrite-smithsonite in qtz-siderite vein in diorite joint.
386881	GS98-059	GS	Rock	Chip	30 cm	7134115 N - 562690 E Qtz-cpy vein in siltstone.	Sparse chalcopyrite in milky white quartz vein, 115/86 NE. "Camp View" type.
386882	GS98-060	GS	Rock	Chip	30 cm	Camp View Vein 7133678 N - 562348 E	Lens of chalcopyrite in quartz vein. 60 to 70% chalcopyrite.
386883	GS98-061	GS	Rock	Grab	NA	VERA Airstrip - S side near camp	Very carbon-rich black shale, highly friable. Blue grey weathering.
386884	GS98-062	GS	Rock	Grab	NA	7106350 N - 583350 E 106 C/3	Limonite rich ferricrete from creek 7 km SSW of Trent Zone.
386885	GS98-063	GS	Rock	Grab	NA	7127400 N - 517000 E 106 D/7 - "El" Gossan	Hematite-limonite rich ferricrete deposit on or near trace of Dawson Thrust.
386886	GS98-064	GS	Rock	Grab (Sub-crop Float)	NA	VERA Grid 5300 N - 5230 E, main vein?	Odd Cu-rich siderite-qtz vein material with high tetrahedrite content and minor galena.
386887	GS98-065	GS	Rock	Chip	10 cm	VERA Grid 5585 N - 5360 E (new occurrence)	Dolomite-tetrahedrite vein in orange weathering dolomite. Coarse crystalline vein.
386888	GS98-066	GS	Rock	Grab	NA	VERA Grid 7132945 N - 560420 E	Zinc-rich siderite-quartz vein material from trench at 5430 N - 5260 to 5280 E.
386889	GS98-067	GS	Rock	Grab	NA	VERA Grid 7132990 N - 560480 E	Similar to GS98-066, from another trench at 5325 - 5340 E on 5475 - 5500 N.
386890	GS98-068	GS	Rock	Chip	30 cm	"Stromatolite," Elevation 990 m 7128720 N - 559500 E	Barite-tetrahedrite-galena-sphalerite breccia zone in stromatolitic orange-weathering dolomite.
386891	GS98-069	GS	Rock	Grab (Sub-crop Float)	NA	Elevation 960 m 7128936 N - 559278 E	Fractured, brecciated quartzite with dolomite-smithsonite veinlets.
386892	GS98-070	GS	Rock	Grab (Outcrop)	NA	Elevation 1080 m 7129060 N - 558600 E	Tetrahedrite-siderite veinlets in sheared brecciated dolomite (3% tetrahedrite).
386893	GS98-071	GS	Rock	Grab (Outcrop)	NA	West View, Elevation 1080 m 7129060 N - 558300 E	Hematite-rich polymictic conglomerate - 50% hematite.
386894	GS98-072	GS	Rock	Grab (Outcrop)	NA	West View, Elevation 1080 m 7129060 N - 558150 E	Dolomite with siderite veinlet stockwork.
386895	GS98-073	GS	Rock	Grab	NA	West Ridge, Elevation 1080 m 7129070 N - 558250 E	Hematite-matrix polymictic breccia. 50% hematite.

Table 2 in Geological Notes and Sample Results by G. Sivertz. October 26, 1998

Lab Sample Number	Field Sample Number	Sampler	Medium	Type	Width (Length)	Location (UTM, Grid, Zone)	Description (Mineralogy, Structure)
386896	GS98-074	GS	Rock	Grab	NA	West Ridge, original showing? 7129060 N - 558430 E	[illegible] Minor malachite.
386897	GS98-075	GS	Rock	Grab	NA	Elevation 880 m 7124420 N - 560220 E	"Average" dolomite-smithsonite breccia from "A" zone bulldozer trench.
386898	GS98-076	GS	Rock	Grab	NA	Elevation 880 m 7124420 N - 560220 E	"High-grade" galena-smithsonite from original "A" zone outcrop.
386899	WR98-49	WR	Rock	Chip	0.38 m	Val Property - Siltstone Zone 11 100 N; 8386 E	Qtz vein bounded between cleavage planes at 075/68S. Spotty to dendritic Mn on weath. sfc to 5%. Tr to 2% cpy.
386900	WR98-50	WR	Rock	Grab	NA	Val Property - Siltstone Zone 11 107 N; 8425 E	Poorly exposed vein in trench. Frothy, sphal. weathered qtz vein. Good ZZ. Orange weathering. 033/68NW trend.
386901	WR98-51	WR	Rock	Chip	0.15 m	Val Property - Siltstone Zone 11 057 N; 8403 E	Qtz gangue with poss. siderite or Fe-ox. 20-25% red-brn to black sphal. No white Zn-ox. Mn stained. 044/80NW trend.
386902	GS98-077	GS	Rock	Chip	0.30m	West Zone-KZ outcrop	Massive f.g. gn-sp

Table 2 in Geological Notes and Sample Results by G. Sivertz. October 26, 1998

4.3 Vera Grid Geological Report

Introduction

The Vera property is located on the northwest slope of Rusty Mountain, in the Kathleen Lakes area, Yukon Territory. The property is located in map area 106 C/5, with the mapped area centered at UTM coordinates 7132800 N by 560310 E. Since no current geological map exists of the area, the existing compass and chain grid was reestablished, and the location of roads, drill holes, and the main mineralized zone were mapped in detail. Samples were not taken, as data from previous sampling projects were sufficient. Mapping was carried out between August 13 and September 2, 1998. This report is based on a combination of personal observation and information drawn from the reports available.

Lithology

Four main geological units are evident on the Vera Grid. The units are as follows:

1) **Stromatolitic dolomite unit:** an orange blocky weathering dolomite. It is medium grey on the fresh surface, with stromatolites evident as concentric circles approximately 10-15 cm across in plan view, and as layered columns in cross section. The concentric circles and layered columns are outlined by dark carbonaceous or argillaceous material. The dolomite is Si-rich with numerous crosscutting quartz veins. Quartz veins develop along fracture planes and generally strike northwesterly.
2) **Medium grey dolomite unit:** weathers buff to light orange, with laminations evident as ridges on the weathered surface. Laminations may be evident in places on the fresh surface and dolomite can be siliceous. This unit appears to form thin interbeds within the massive stromatolitic dolomite. In talus, it appears as blocky to flaggy.
3) **Interbedded siltstone and dolomite unit:** light brown to orange on the weathered surface, medium grey on the fresh surface. Siltstone layers have rust spots 1 mm or less in diameter, due to weathered out pyrite. Dolomite layers have a mild reaction to HCl, while siltstone layers do not react. Siltstone beds are 2 cm to 50 cm thick, with abundant laminations and rare quartz veins.
4) **Mineralized vein material:** vein consists of galena, sphalerite, tetrahedrite, chalcopyrite in a gangue of siderite, quartz, calcite and pyrite. The vein is altered at surface, with minerals such as limonite, pyrolusite, smithsonite and scorodite in evidence. On the surface, the mineralized zone varies from a few meters to 10 to 15 meters in width.

Quartz veins that crosscut these units range in width from 0.5 cm to a few meters. The major quartz veins (>20 cm in width) found at the southeast and northwest ends of the grid are part of a system of copper bearing quartz veins of regional extent all with a northwesterly trend. The quartz veins are milky white with minor amounts of chalcopyrite, pyrite and malachite staining. The surrounding wall rock is brecciated with angular to subrounded fragments.

Structure

The stromatolitic dolomite unit is thought to be an algal reef complex. The unit is often found as lens shaped bodies within or interbedded with the medium grey dolomitic unit and the interbedded siltstone and dolomitic unit. Consistent separation of the units is difficult due to lack of suitable outcrop and the gradational nature of the contact. The strike of the units is east to southeast with moderate northwesterly dips. Small scale open folding is evident on the south side of the vein, with fold axes ranging from 10/058 to 43/340. Crenulations were seen in talus at the south end of the grid, but since the crenulated unit was not seen in outcrop, measurements could not be taken.

Mineralization

The main mineralized vein, the Main Vein, trends east-west along line 5300 N. Previous exploration of this zone included a comprehensive drilling program, as well as extensive underground drifting and crosscutting. The largest mineralized outcrop seen at surface is adjacent to 5300 N/5300 E. Mineralization in this outcrop occurs as massive galena, sphalerite and tetrahedrite, with gangue of siderite and quartz, and alteration minerals of pyrolusite and scorodite.

A secondary mineralized vein, the Scarp Vein, is thought to be associated to the Main Zone vein and strikes north-northeast extending approximately 50 m. It crosscuts the quartz vein on the southeast end of the grid, indicating that the mineralized vein is younger than the quartz vein. However, at its southernmost extent, a fault striking 310° to 315° with a dip of 75° truncates the vein, and its continuation has yet to be found.

Discussion

The deformed nature of the dolomitic units makes it difficult to define an accurate structural history of the area. Geological mapping of the surrounding area, making use of any marker beds that may exist, may be useful to determine additional areas of mineralization.

Submitted by Kaori Torigai September 7, 1998

Section 4.4 **Geological Notes and Sample Results Val Claims, Rusty Mountain Area, Y.T. by W. Raven, P. Geo., September 1998**

Manson Creek Resources Ltd.

Geological Notes

And

Sample Results

VAL Claims
Rusty Mountain Area, Y.T.

By Wes Raven, P. Geo.

September 1998

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Maps

GENERAL PARAMETERS

Detailed geological mapping was undertaken on the Val Property from August 7/98 to September 6/98. The mapping was undertaken upon "flag and compass" lines established utilizing a hip chain for distance measurement and slope corrected for topographic variations. A north-south trending baseline was established from a known point atop a ridge in the central portion of the property from which east-west trending crosslines were established at a 50 metre line spacing and picketed at 50 metre intervals. Wooden lath was used for each chained station location inscribed with black felt marker. In the north central portion of the grid area the cross lines trend north south for a 500 X 500 metre area. The grid is centred at 10,000N ; 10,000E with all stations marked accordingly.

The grid is not orthogonal due to the inherent difficulties of maintaining an accurate bearing on relatively steep mountain slopes, especially in areas of thick "buckbrush" cover. This will no doubt create some problems when digitizing the map to NTS coordinates as I also created a general plan map at a scale of 1:10,000 using the McElhanney topographic base and was unable to resolve the problem without re-drawing the entire detailed 1:2,000 scale plan map.

PROPERTY GEOLOGY AND STRATIGRAPHY

The general stratigraphic succession, from oldest to youngest, is as follows:

Unit 1 "Val Dolomite
Unit 2 Orange Dolomite
Unit 3 Grey Dolomite
Unit 4 Quartzite
Unit 5 Stromatolitic Dolomite
Unit 6 Shale
UNCONFORMITY
Unit 9 Siltstone
(the following are not shown on the 1:2,000 scale map)
Unit 7 Intercalated Shale and Quartzite
Unit 8 Quartzite

Unit Descriptions

Val Dolomite (Unit 1)

This is by far the most prevalent rock type within the grid area and is the main host for all but one of the known mineralized showings. The unit is characterized by what is termed "Zebra" texture, and is comprised of alternating light and dark coloured layers. The dark coloured layers are likely more organic rich or argillaceous and occur over a scale of several millimeters. The upper portion of the unit is more variable and has a thicker bedded, grey weathering portion, commonly associated with the Big and Little Red zones. It was not possible to map this as a discrete unit in part due to the lack of outcrop exposure and in part because it is not believed to be a completely distinct sub-facies. In this unit the grey beds are up to several centimetres thick and are occasionally separated by more distinctive beds of the typical "zebra" textured Val dolomite. The only other variation of note within the unit are local beds of rounded almost fossiliferous looking clasts believed to be pisoliths, which form in local beds rarely exceeding one metre in width. The unit invariably contains a clean, white sparry dolomite as both bedding parallel and crosscutting veinlets and occasionally as vug-like infillings with trace to 1% pyrite with a dodecahedral crystal structure, hence the name pyritohedrons.

Orange Dolomite (Unit 2)

This unit appears to comformably overlie the Val dolomite and is characterized by its orange weathering colour and its platy habit, particularly at the contact. It is considered to be a marker horizon that is readily traceable in areas of good outcrop exposure. The unit shows variations ranging from its very platy habit near the Val dolomite contact, to intercalated with thin shale beds, from 0.5-1.0 metres thick, to thicker bedded (several centimetres) and more massive looking with intercalated grey dolomite. It is locally calcareous as opposed to dolostone and resembles a siltstone to mudstone. Near the Val dolomite contact it often contains the same sparry dolomite veins observed in the Val dolomite but not in the upper portions of the unit.

Grey Dolomite (Unit 3)

This unit is thicker bedded and weathers a grey colour, though the fresh surface is a dark greyish-black colour. It can be confused the thicker bedded grey weathering portion of the Val dolomite but nowhere does it have any "zebra" textured portions.

The Orange and Grey dolomites are often intercalated and cannot be consistently separated as discrete units except on a gross scale. One generalization that can be made is that in the grid area the platy orange dolomite is always in contact with the Val dolomite and the Grey dolomite is always in contact with the overlying quartzite.

There is a possible transition unit between the grey dolomite and the overlying quartzite, which looks like a wacke. It effervesces in dilute HCl but appears to have some quartz. It was not observed in enough localities to be mapped for certain.

Quartzite or Orthoquartzite (Unit 4)

This unit overlies the grey dolomite and is comprised almost wholly of fine grained quartz. It varies from very clean, white orthoquartzite to a dirtier looking, greyish quartzite which often has fine rusty coloured specks, possibly representing relic weathered mafic minerals which comprise no more than 5% of the unit. This is a highly resistant unit and forms prominent ridges with coarse blocks of talus.

Stromatolitic Dolomite (Unit 5)

This is apparently a fairly thin unit that weathers into large, resistant blocks which form large talus trains that give the impression that the unit is fairly thick. Exposures on ridge tops indicate a thickness in the range of 10-15 metres. It weathers a darker yellowish-brown colour that is distinctly different from the orange weathering dolomite. Relic circular features in plan view with rare columnar structure in the third dimension characterize this unit as does the wavy, undulating bedding planes.

Shale (Unit 6)

The shale is a highly fissile unit that weathers a greyish-brown to black but is black on fresh surface. It is difficult to get reliable structural measurements on this unit due to its highly crumbly weathering. Minor limonite staining likely indicates a small amount of diagenetic pyrite.

Shale and Quartzite (Unit 7)

On a northeast trending ridge outside the grid area there is a thin unit of intercalated shale and quartzite which equate to units 5 and 6.

Quartzite (Unit 8)

This unit equates to unit 6 and forms a thick succession that is truncated by a high angle fault that juxaposes younger, Hadrynian aged Rapitan Formation rocks against the older "Val Assemblage".

UNCONFORMITY

Siltstone (Unit 9)

This unit is fine grained, has a pale green colour, and is highly cleaved. There are at least two cleavage directions, one that is sub-parallel to bedding, and the other is cross-cutting. The unit readily breaks along the cleavage panes but is not fissile like the shale unit.

Geology and Structure

The above units form what is believed to be a conformable, upright succession that is essentially not folded except for local open warping. The units trend northwesterly and dip moderately to the northeast, ranging from approximately 310°-340°, and dipping 40°-60°. There are local variations from these general measurements, that may in part be due to slumped outcrops and in part to proximity to faulting, especially in the northwest portion of the property.

There are no areas mapped where a contact was directly observable, though most contacts, especially on the ridges where outcrop exposure is better, are within approximately 5 metres. In the area of the central creek which drains the grid outcrop exposure is at its poorest and as a result contacts shown are assumed.

Three major faults were observed with respective left and right lateral displacement, dipslip component, if any, is unknown. All of the faults generally trend northeast-southwest to 060°-070° and from east to west are as follows. There is one fault down the main central creek that has right lateral displacement of approximately 100 metres that is most readily visible on the far eastern portion of the grid where it offsets the quartzite, stromatolitic dolomite, and shale units. In the north-central portion of the grid there is a left lateral fault with displacement of approximately 250-300 metres that displaces the orange dolomite. This same orange weathering dolomite was used to define the third fault, which occurs between the northwest corner of the grid and the Siltstone Showing. This fault has a right lateral displacement of at least 500 metres and appears to trend either through, or proximal to the North Kill Zone. The orange dolomite could not be found northwest of this fault and is assumed to have been displaced far enough to the northeast to be truncated by the assumed low angle fault that juxaposes the siltstone against the Val dolomite near the Siltstone Zone. There is virtually a total lack of outcrop in this area so it is possible that the orange dolomite is not displaced that far but the lack of outcrop prevents any accurate contact delineation.

A fourth fault, assumed to be a low angle thrust, places the siltstone unit against the Val dolomite in the area of the Siltstone Zone. It appears that this fault effectively truncates all the observed lithologies except the Val Dolomite, in a northwesterly progression from the eastern portion of the grid to the Siltstone Showing. Unfortunately the assumed fault trace lies in a low lying, swampy area and is not observable.

PROPERTY MINERALIZATION

There are seven main mineralized occurrences within the mapped area which from east to west are as follows: Archie's Vein, Tetrahedrite Zone, South Hill Zone, Big Red Zone, Little Red Zone, North Kill Zone, and Siltstone Zone, the largest of which is the Big Red Zone. All have been previously drill tested with varying degrees of success.

Archie's Vein is a very small occurrence of massive galena and tetrahedrite that is poorly exposed in an old bulldozer road. A crude trend of approximately north-south, dipping roughly 80° to the west was obtained from the trend of the weathered in place rubble. The Tetrahedrite Zone is a similarly small occurrence and is found as elliptically shaped pods of massive galena and tetrahedrite with scorodite weathering. There is one larger pod, roughly 1.6 X 0.9 metres and two smaller pods that blend together roughly aligned in an 050°-060° trend. Fractures in the host sparry Val dolomite trend 057°/64° SE and it is likely that the mineralized pods represent fracture fills that locally "blow-out" in areas of open space filling.

The South Hill Zone has received the most drilling of any of the zones within the grid area and is the most continuous mineralized structure. It is not discussed in any further detail in this report as the surface expression is fairly small and diamond drilling has defined the potentially economic limits of the zone. Detailed discussions of the grade, tonnage and configuration of the mineralization are contained in annual reports by Prism Exploration.

The Big Red Zone, after the South Hill Zone vein has been explored extensively in previous work programs and represents the second most significant mineralized body within the grid. It occurs on a steep hillside with abundant reddish-brown weathering sparry dolomite and mineralized float or talus trains of massive galena, and a highly leached out "frothy" looking net textured rock that is sphalerite rich. It is possible that the mineralization is related to the intersection of a white sparry dolomite vein and the reddish-brown weathering sparry dolomite vein, though neither of these two veins are mineralized where seen in outcrop. The basis for this observation is the best outcrop exposure of galena and sphalerite mineralization occurs essentially at the intersection of these two veins. The respective vein trends are northwest, steeply dipping the northeast, and northeast, steeply dipping to the southeast. The intersection of these veins would be steeply plunging to the north-northeast and may provide a partial structural control on the mineralization. This observation is essentially the same as that proposed by B. Krause, (Report of the 1985 Prism Joint Venture Exploration Programme, 1985) who describes the mineralization possibly being related to the intersection of two fault/vein structures, forming a conical pipelike structure.

In addition there is considerable breccia observed in the Big Red Zone area (as well as at the Little Red and Tetrahedrite zones) which is comprised of sparry dolomite with angular fragments of laminated Val dolomite. No orientation could be determined for the breccia bodies which are often located beside well laminated, and apparently undisturbed Val dolomite.

The Little Red Zone is similar to the Big Red Zone but has a much smaller surface expression. It has similar mineralogy expressed as talus trains of mineralized float. Again no sense of orientation on the mineralization could be ascertained.

The North Kill Zone has a small surface expression and no significant mineralization was intersected in two previous drill holes. Galena and sphalerite rich mineralization is observed in a small outcrop on the edge of an old bulldozer road and in hand dug pits on the side of a hill. The mineralization trends approximately 035° and appears to be steeply dipping, probably to the west. Approximately 30 metres northeast of the main exposures is an area of float comprised of abundant orange-brown weathering siderite with minor sparry dolomite veining with traces of sphalerite in some of the coarser sparry veins. Also present is dark, fine grained quartz? float averaging 5% chalcopyrite, locally up to 15%, with prominent malachite staining. This is the only area on the property where chalcopyrite was observed; any other copper mineralization appears to be tetrahedrite.

The Siltstone Zone is the only mineralized occurrence that is not hosted in Val Dolomite. It consists of a northeast trending, steeply northwest dipping vein of highly sheared galena, up to 85%, and 5-10% tetrahedrite, with scorodite staining. The vein locally attains a maximum width of approximately 2 metres, which appears to be a "blow-out", where it widens considerably over widths observed to the southwest, and is lost in overburden cover to the northeast. Southwest of this main exposure there are mineralized float trains and scattered exposures over a length of approximately 120 metres. Here there are two veins, a heavily manganese stained galena rich vein up to 15 cm wide and a frothy, sphalerite rich vein, also approximately 15 cm wide. Deepening overburden cover heading towards a swamp would make it extremely difficult to trace the vein without drilling and the observed widths do not warrant such an effort.

DISCUSSION

With the exception of the South Hill, North Kill and Siltstone Zones most of the mineralization is irregular in outline and it is difficult to explain the lack of continuity. There is some evidence of fracture filling but the irregular breccia bodies, with no apparent orientation, could suggest karst-like collapse and subsequent localized open space infilling of the cavities. If the zones are all linked by some buried "plumbing system" this plumbing system could be drill tested for additional mineralization. The only structure seen on the grid that could possibly represent a common conduit system is the large sparry dolomite vein seen on lines 9850N and 9900N which appears to lead to the Big Red Zone and just touches the northeast corner of the Little Red Zone. No mineralization was observed on surface though samples were collected which may have some trace element geochemistry in common with the mineralized samples collected from the zones.

The South Hill, North Kill and Siltstone zones are apparently more linear in nature and may be related linear fracture systems rather than possible karst-like collapse features. The South Hill Zone vein is related to a persistent mineralized fracture system, the North Kill and Siltstone zones may be related to the presumed low angle thrust fault which thrust the siltstone adjacent to the Val Dolomite and created northeast trending fractures which were subsequently infilled with mineralized solutions. This fault contact may represent a reasonable exploration target however much of the fault trace is in areas of thick overburden cover which will hamper any exploration efforts.

The fact that all the mineralization of interest located to date is either in the Val dolomite or very close to it, makes this a favorable unit worth tracing outside the grid area to other mineralized occurrences, such as the Paka.

Rock Sample Results-Val Grid-Table 1

Assay Tag No.	Field Tag No.	Val Grid East	Val Grid North	Pb Assay %	Zn Assay %	Ag Assay oz/t	Au oz/ton
386951	WR98001	9192	9962	0.02	0.18	< .01	< .001
386952	WR98002	9350	9765	16.06	32.72	46.63	0.089
386953	WR98003	9466	9986	0.07	0.17	0.05	< .001
386954	WR98004	9535	10456	0	0	0	0
386955	WR98005	9657	10026	6.96	4.69	10.72	< .001
386956	WR98006	9625	9716	0.01	0.03	0.01	< .001
386957	WR98007	10020	10008				
386958	WR98008	10226	10400				
386598 R							
386959	WR98009	10035	9962			< .01	< .001
386960	WR98010	10000	9865			0.02	< .001
386961	WR98011	10057	9650	70.62	4.76	62.55	< .001
386962	WR98012	10057	9650	4.78	42.58	4.77	0.001
386963	WR98013	10031	9663			0.1	< .001
386964	WR98014	10052	9949			0.01	< .001
386965	WR98015	9895	9603			< .01	< .001
386966	WR98016	9952	9398	1.56	25.46	1.4	< .001
386967	WR98017	9978	9469	0.76	39.8	3.19	0.001
386968	WR98018	9970	9482	60.03	10.61	42.81	0.001
386969	WR98019	9941	9419			0.07	< .001
386970	WR98020	9844	9748			0.04	< .001
386971	WR98021	9798	10122			< .01	< .001
386972	WR98022	9785	10116			< .01	< .001
386973	WR98023	9706	10236	11.32	19.66	19.26	0.002
386974	WR98024	9706	10236	70.96	4.2	70.63	0.001
386975	WR98025	9763	10148	69.94	2.99	155.91	0.001
386976	WR98026	9717	10128	72.71	4.87	83.97	0.001
386977	WR98027	9807	9763	1.42	7.22	18.84	< .001
386978	WR98028	9723	9814	3.8	38.05	14.86	0.002
386979	WR98029	9808	9865	70.18	1.8	81.78	< .001
386980	WR98030	9808	9865			0.17	< .001
386980R						0.12	< .001
386981	WR98031	9795	9876	0.89	47.22	28.25	0.005
386982	WR98032	9820	9800	2.24	6.21	5.75	0.001
386983	WR98033	10104	9660	44.73	13.95	46.82	< .001
386984	WR98034	10121	9660	0.76	2.02	1.16	< .001
386985	WR98035	10128	9660	68.31	3.08	77.3	< .001
386986	WR98036	10269	9168	0.14	39.91	0.16	< .001
386987	WR98037	10368	9217	0.07	3.44	0.04	< .001
386988	WR98038	11004	9154	9.54	9.06	3.19	< .001
386989	WR98039	10993	9152			0.21	0.001
386990	WR98040	10990	9144	15.97	16.71	10.4	< .001
386991	WR98041	11024	9189			< .01	< .001
386992	WR98042	11031	9157	0.04	0.08	0.27	< .001
386993	WR98043	11185	9050			0.02	< .001
386994	WR98044	11138	8458	76.41	0.68	63.27	0.001
386995	WR98045	11136	8462			65.33	0.001
386996	WR98046			78.36	0.53	97.59	0.002
386997	WR98047			3.9	7.65	19.15	< .001
386998	WR98048	11252	9014			3.56	0.001
386999	WR98049					0.06	< .001

Val Grid Rock Sample Descriptions Collected by W. Raven

Lab Sample Number	Field Sample Number	Sampler	Medium	Type	Width (Length)	Location (UTM, Grid, Zone)	Description (Mineralogy, Structure)
386951	WR98-1	WR	Rock	Grab (Float)	NA	VERA Grid Val Property - 9192 N; 9962 E	Val dolomite, 5% sparry dolomite. Traces of sphalerite & galena (up to 20% locally). Positive zinc zap test.
386952	WR98-2	WR	Rock	Grab (Float)	NA	Val Property - 9350 N; 9765 E	Heavily oxidized massive sulfide. Has 40% either fine grained galena or tetrahedrite from 30 cm wide zone.
386953	WR98-3	WR	Rock	Grab (Float)	NA	Val Property - 9466 N; 9986 E	Brecciated Val dolomite with 10% sparry dolomite. Traces of galena & sphalerite. Positive zinc zap test.
386954	WR98-4	WR	Rock	Grab	NA	Val Property - 9535 N; 10 456 E	White "frothy" looking quartz vein. Fractured at 068/71 SE.
386955	WR98-5	WR	Rock	Grab	NA	Val Property - 9657 N; 10 026 E	Strongly brecciated Val dolomite with 20% sparry infill. Smiths. on fractures and rare traces of red sp. + ZZ test.
386956	WR98-6	WR	Rock	Grab	NA	Val Property - 9625 N; 9716 E	Sparry (10%) Val dolomite.
386957	WR98-7	WR	Rock	Grab	NA	Val Property - 10 020 N; 10 008 E	Orange weathering dolomite (near Val dolomite contact). Minor sparry veining.
386958	WR98-8	WR	Rock	Grab / Chip	30 cm	Val Property - 10 226 N; 10 400 E	Quartz vein - looks barren, has 1% iron oxide staining.
386959	WR98-9	WR	Rock	Grab (Felsenmeer)	NA	Val Property - 10 035 N; 9962 E	Val dolomite near contact with platy, orange weathering dolomite. 10-15% sparry veins weathered in place outcrop.
386960	WR98-10	WR	Rock	Grab	NA	Val Property - 10 000 N; 9865 E	White-grey sparry dolomite. Subcrop/outcrop. Grey weathering with 1-3% reddish Fe-ox staining, no sulfides.
386961	WR98-11	WR	Rock	Grab (Float)	NA	Val Property - 10 057 N; 9650 E	Hi-grade massive galena, 40-80%. Strong white coating, but no ZZ reaction. 1-3% green scorodite as stain & small blebs.
386962	WR98-12	WR	Rock	Grab (Float)	NA	Val Property - 10 057 N; 9650 E	White to orange, frothy looking, weathered out zinc - "net" texture. Very strong ZZ rxn. 5% weathered pyritohedrons.
386963	WR98-13	WR	Rock	Grab / Chip	NA	Val Property - 10 031 N; 9663 E	Crude chip over 1.2 m wide brown weathering coarse grained massive sparry dolomite vein.
386964	WR98-14	WR	Rock	Grab	NA	Val Property - 10 052 N; 9949 E	Val dolomite with 50% sparry veining. Weak ZZ reaction. Trend of veining is 120/62 SW.
386965	WR98-15	WR	Rock	Grab	NA	Val Property - 9895 N; 9603 E	Massive, coarse grained, reddish-brown weathering sparry dolomite vein. Fresh surface is greyish-white colour.
386966	WR98-16	WR	Rock	Grab (Float)	NA	Val Property - Little Red Zone 9952 N; 9398 E	Frothy weathered Zn rich float. Orange-brown weathering, locally fresh sphal. up to 15%, mainly red, some is clearer.
386967	WR98-17	WR	Rock	Grab (Float)	NA	Val Property - Little Red Zone 9978 N; 9469 E	Frothy weathered Zn rich float. Pervasive orange-brown weathereing obscures any fresh sulfides.
386968	WR98-18	WR	Rock	Grab (Float)	NA	Val Property - Little Red Zone 9970 N; 9482 E	Float - 30-50% massive galena, occassionally sheared. Gangue is siderite vein?. Lesser "frothy" Zn rich rind.
386969	WR98-19	WR	Rock	Grab	NA	Val Property - Little Red Zone 9941 N; 9419 E	Brecciated Val dolomite. Has 5% sparry veining. From a brecciated looking outcrop. No mineralization.
386970	WR98-20	WR	Rock	Grab	NA	Val Property - 9844 N; 9748 E	Sparry dolomite vein. Dull reddish-brown weathering, coarse grained. 50% brecciated fragments of Val dol, no sulfides.
386971	WR98-21	WR	Rock	Grab	NA	Val Property - 9798 N; 10 122 E	Massive, very coarse grained, white sparry dolomite vein. No visible sulfides.
386972	WR98-22	WR	Rock	Grab	NA	Val Property - 9785 N; 10 116 E	Massive, coarse grained, sparry white dolomite + qtz? vein. Weathers deep reddish-brown; stockwork of sparry veinlets.

Table 2 in Geological Report on Val Claims by W. Raven

Val Grid Rock Sample Descriptions Collected by W. Raven

Lab Sample Number	Field Sample Number	Sampler	Medium	Type	Width (Length)	Location (UTM, Grid, Zone)	Description (Mineralogy, Structure)
386973	WR98-23	WR	Rock	Chip	0.5 m	Val Property - Archie's Vein 9706 N; 10 236 E	Weathered in place vein. [illegible] yellow-brown, 5% galena, 1-2% sphalerite and possible tetrahedrite.
386974	WR98-24	WR	Rock	Grab	NA	Val Property - Archie's Vein 9706 N; 10 236 E	Massive galena. Hi-grade grab from around vein. Weathers "gun-steel" blue. Avg 60-90% gn. Minor vugs with 1% sphal.
386975	WR98-25	WR	Rock	Grab (Float)	NA	Val Property - Tetrahedrite Zone 9763 N; 10 148 E	Float near DDH79-27. 50% sheared galena, 5-10% tetrahedrite, 3-5% green scorodite. Strong ZZ rxn on white oxide.
386976	WR98-26	WR	Rock	Chip	1.63 m	Val Property - Tetrahedrite Zone 9717 N; 10 128 E	Massive pod of galena (70-80%) with 5-10% tetrahedrite and 5% green scorodite.
386977	WR98-27	WR	Rock	Grab (Float)	NA	Val Property - Big Red Zone 9807 N; 9763 E	Strong Mn coating, pervasively weathered with traces of galena & sphal. in carbonate gangue. Red & yel. Fe-oxides.
386978	WR98-28	WR	Rock	Grab (Float)	NA	Val Property - Big Red Zone 9723 N; 9814 E	"Frothy" Zn rich float. Pervasively weathered to tan-brown with white smithsonite coatings. 1-3% galena in 1/2 sample.
386979	WR98-29	WR	Rock	Grab	NA	Val Property - Big Red Zone 9808 N; 9865 E	Semi-massive galena - in place, 40-60% of sample. Strong white lead-oxide coatings and minor Zn. Carbonate gangue.
386980	WR98-30	WR	Rock	Grab	NA	Val Property - Big Red Zone 9808 N; 9865 E	White to yellow-brown sparry dolomite to siderite vein. Coarse grained, host for #386979. Strong ZZ reaction.
386981	WR98-31	WR	Rock	Grab (Float)	NA	Val Property - Big Red Zone 9795 N; 9876 E	"Frothy" whitish-brown Zn rich sample. Strong smithsonite coatings and up to 5% red sphal. that is partially weathered.
386982	WR98-32	WR	Rock	Grab (Float)	NA	Val Property - Big Red Zone 9820 N; 9800 E	"Frothy" whitish-brown Zn rich sample. Traces of galena in some pieces comprising the sample. Siderite gangue.
386983	WR98-33	WR	Rock	Grab (Float)	NA	Val Property - From Trench 10 104 N; 9660 E	(Semi-) massive galena, 20-25%. In yellow-brown siderite? gangue. Strong white lead oxides, 1-2% pyritohedrons.
386984	WR98-34	WR	Rock	Grab (Float)	NA	Val Property - (Trench) 10 121 N; 9660 E	Yellow-brown siderite vein with white smithsonite staining and strong ZZ reaction.
386985	WR98-35	WR	Rock	Grab (Float)	NA	Val Property - (Trench) 10 128 N; 9660 E	Massive galena (50%), possible tetrahedrite (5%) and 1-2% green scorodite blebs with traces of malachite and azurite.
386986	WR98-36	WR	Rock	Grab (Float)	NA	Val Property - 10 269 N; 9168 E	Brownish-white to reddish-brown "net" texture or frothy Zn rich weathered rock. A few pieces of fresh, yellow sphal.
386987	WR98-37	WR	Rock	Grab (Float)	NA	Val Property - 10 368 N; 9217 E	Red-brn weathering dol. with 15% sparry veining & open space filled vugs. 2-3% honey yellow sphal; up to 8% sphal.
386988	WR98-38	WR	Rock	Chip	1.1 m	Val Property - North Kill Zone 11 004 N; 9154 E	Strong pervasive Mn staining on sfc with white smithsonite. Fresh sfc is dull red-brn sid? 5-10% gn; 1-5% honey sphal.
386989	WR98-39	WR	Rock	Chip	0.3 m	Val Property - North Kill Zone 10 993 N; 9152 E	Yellow-brown siderite/sparry dolomite vein in Val dolomite with 3-8% galena; 1-4% clear, honey yellow & red sphal.
386990	WR98-40	WR	Rock	Grab (Float)	NA	Val Property - North Kill Zone 10 990 N; 9144 E	Float from around hand dug pits. Hi-grade. 20% galena, 20% sphal, 1-2% tetrahedrite, traces of green scorodite.
386991	WR98-41	WR	Rock	Grab (Float)	NA	Val Property - North Kill Zone 11 024 N; 9189 E	Orange-brown weathering sparry dolomite to siderite vein. 5-10% fragments of Val dolomite and trace-1% sphalerite.
386992	WR98-42	WR	Rock	Grab (Float)	NA	Val Property - North Kill Zone 11 031 N; 9157 E	Dark greyish-black very fine grained quartz with 5-10% fine grained chalcopyrite and prominent malachite staining.
386993	WR98-43	WR	Rock	Grab	NA	Val Property 11 185 N; 9050 E	Slightly rusty green siltstone with 1% rusty cross fractures. Also limonite and Mn stain along cleavage planes.
386994	WR98-44	WR	Rock	Grab (Float)	NA	Val Property - Siltstone Zone 11 138 N; 8458 E	Sample is 95% massive, sheared galena. Minor tetrahedrite and some scorodite staining. Hi-grade dump pile.

Table 2 in Geological Report on Val Claims by W. Raven

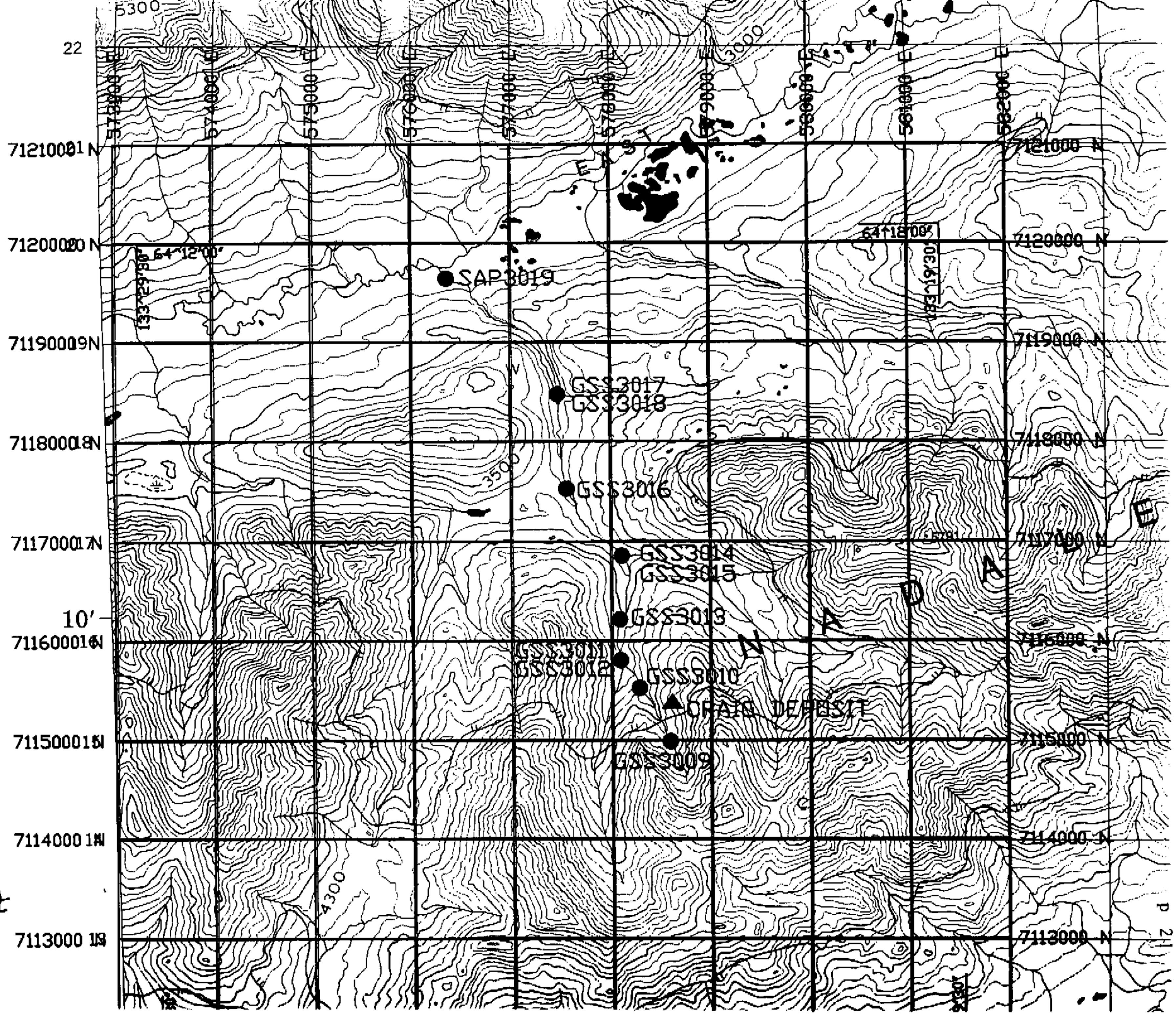
Lab Sample Number	Field Sample Number	Sampler	Medium	Type	Width (Length)	Location (UTM, Grid, Zone)	Description (Mineralogy, Structure)
386995	WR98-45	WR	Rock	Chip	0.72 m	VERA Grid / Val Property - Siltstone Zone 11 136 N; 8462 E	Galena w/ smithsonite float from local source 800-950 m / Weathered in place siltstone zone vein. Semi massive sheared galena as #386994. Contacts obscured by overburden.
386996	WR98-46	WR	Rock	Chip	0.2 m	Val Property NTS: 7126301 N; 564221 E	Qtz vein?, dirty looking, brecciated, pervasive orange-brown staining. 2-6% galena, 2-4% sphal. Vein trends 048/90.
386997	WR98-47	WR	Rock	Grab (Float)	NA	Val Property NTS: 7126260 N; 564310 E	Very light weight, frothy, Zn weathered rock from weak kill zone. Weak ZZ reaction. Orange-white-brown colour.
386998	WR98-48	WR	Rock	Grab (Float)	NA	Val Property 11 252 N; 9014 E	White, sparry dolomite vein. 50-20% green siltstone fragments. Strong lim stain on fractures, rare traces of py.
End of WR samples.							

Section 5.0 Craig Claims

5.1 Discussion of Stream Sediment Orientation Survey

The orientation survey was designed by Dr. S. Amor and many of the following points are derived from e-mail correspondence with him. No formal report has been written by Dr. S. Amor on this data.
Prior to the start of the stream sediment sampling program on the Manson Creek Claim groups an orientation survey was carried out to determine the best size fraction and digestion method to use from the samples collected. The best combination of these two factors should optimize the contrast between anomalous and background responses, not just the one that gives the highest values.
The number of orientation samples that were collected on a stream originating at the Craig Deposit totaled 11. As part of this orientation study four background samples were collected, GSS3005,3006,3007 and 3008 at a stream which appeared to be completely dead as far as Ag, Zn, Pb and Ba are concerned. Samples GSP3001 and 3002 are pan concentrates taken at the same site as are GSP3003 and GSP3004. Sample SAP3019 is a pan concentrate taken at the confluence of the stream draining out of the Craig Claims and the East Rackla River. These samples are described by Dominique Pare of Consorminex Inc. and ACTLABS Certificate of Analysis. The results for the stream sediment samples are on the Chemex Certificates A9826573 and A9826574 in Appendix IX. The Ag-Pb-Zn values are on page 22 and sample descriptions are on page 23.

The results of this survey pointed towards using a –80 mesh fraction for analysis which is as it turned out is the 'usual' size the lab will suggest. It also allows enough sample to be taken should a fire assay for gold be required. Other conclusions reached were the coarser fractions react to the presence of mineralization faster and more strongly, than the finer ones do for barium, copper and zinc (though not for lead). This indictes that the dispersion of these elements is mainly mechanical over quite large distances, which is quite good news from the panning point of view. An important thing to note, however, is that the response to the Craig deposit is weaker than the upper limit of background variation for the G.S.C. database as a whole for Ba, Cu, Pb and Zn, not to mention Ag and Cd which were essentially undetectable throughout. Experimenting with different size fractions did not alleviate this problem. This means you are likely to encounter a significant number of false anomalies and field notes will be important in screening them out. The following 1:250,000 scale map shows these sample locations as does the overall stream sediment location map.



NTS Sheet
106 C 3
Craig Deposit
1:250,000

Orientation Stream Sediment Survey Results- (-80+150 Mesh size)

SAMPLE DESCRIPTION	Easting	Northing	Ag ppm	Pb ppm	Zn ppm
GSS3002	570873	7131138	<.2	18	86
GSS3004	571338	7131114	<.2	8	14
GSS3005	573134	7125956	<.2	10	10
GSS3006	573381	7127526	<.2	4	14
GSS3007	573377	7127476	<.2	8	12
GSS3008	573377	7127476	<.2	8	10
GSS3009	578577	7114982	<.2	<2	24
GSS3010	578379	7115518	<.2	20	468
GSS3011	578107	7115798	0.2	146	224
GSS3012	578107	7115798	<.2	58	322
GSS3013	578107	7116209	<.2	100	262
GSS3014	578109	7116844	<.2	78	220
GSS3015	578109	7116844	0.2	28	404
GSS3016	577584	7117519	0.2	124	312
GSS3017	577535	7118446	<.2	76	378
GSS3018	577535	7119601	<.2	12	66

NOTE
GSP3001 is a pan concentrate taken at the same location as GSS3002.
GSP3003 is a pan concentrate taken at the same location as GSS3004.

These samples were collected from a stream draining the Craig 4,6,8,29 and 31 claims.

Stream Sediment Data Sheets - Orientation Survey Craig Claims Stream

NUMBER	EASTING	NORTH	BW	WW	WD	FR	LR	O	SC	PPT	BL1	BL2	BRL	SULF	ALTN	NOTES
GSP3001	570873	7131138	6	6	4	3	2	0	2	0	DLMT	SLST	DLMT	0	0	
GSS3002	570873	7131138	6	6	4	3	2	0	2	0	DLMT	SLST	DLMT	0	0	
GSP3003	571338	7131114	5	5	3	3	1	0	1	0	DLMT	MDST	QTZT	0	0	
GSS3004	571338	7131114	5	5	3	3	1	0	1	0	DLMT	MDST	QTZT	0	0	
GSS3005	573134	7125956	5	4	2	3	2	1	2	0	DLMT	DLMT	DLMT	0	0	
GSS3006	573381	7127526	4	2	2	2	2	0	2	0	DLMT	DLMT	DLMT	0	0	
GSS3007	573377	7127476	5	3	3	3	2	0	2	0	DLMT	DLMT	DLMT	0	0	
GSS3008	573337	7127476	5	3	3	3	2	0	2	0	DLMT	DLMT	DLMT	0	0	
GSS3009	578577	7114982	3	2	1	2	3	0	5	0	SRPT	DLMT	0	0	0	
GSS3010	578379	7115518	4	4	3	3	2	0	5	0	DLMT	SRPT	0	0	0	GALENA FLOAT 100 M UPSTREAM
GSS3011	578107	7115798	4	2	3	3	1	0	5	0	DLMT	SRPT	0	0	0	EAST FORK
GSS3012	578107	7115798	3	4	2	3	1	1	7	0	DLMT	0	0	0	0	WEST FORK
GSS3013	578107	7116209	3	4	3	4	1	0	7	0	DLMT	0	0	0	0	
GSS3014	578109	7116844	3	4	3	4	2	0	7	0	DLMT	0	0	0	0	
GSS3015	578109	7116844	2	3	3	3	2	0	0	0	DLMT	0	0	0	0	TRIBUTARY W OF GSS3014
GSS3016	577584	7117519	3	4	3	4	1	0	0	0	DLMT	0	0	0	0	
GSS3017	577535	7118446	4	5	4	4	2	2	7	0	DLMT	0	0	0	0	
GSS3018	577535	7118446	3	2	2	2	2	0	1	0	DLMT	0	0	0	0	LANDSLIDE CONTRIBUTING SEDIMENT UPSTREAM
SAP3019	576289	7119601	3	3	2	4	2	0	7	0	DLMT	0	0	0	0	

5.2 Craig Claims Geological Report by K. Torigai

The Craig Property is located in the Nadaleen Range, approximately 10 km southeast of Rackla Camp. The property is located in map area 106 C/3, with the mapped area centered at UTM Co-ordinates 7 115 424 N and 578 822 E. Mapping was done according to a compass and chain grid along cut lines, consisting of an east-west baseline through the center of the main mineralized outcrop at the top of the Kill Zone, and five north-south lines extending 300 to 700 m to either side of the baseline. Unfortunately the grid was not located with respect to the claim boundaries. The hand held UTM co-ordinates taken in this area do not appear to be accurate. The following report and accompanying map were compiled during a three day period in order to obtain locations of mineralization, drillholes and a brief description of the geology in a small area surrounding the West Zone. The located drillholes do not represent all drilling done on this zone. See Craig Drillhole Plan 1977 & 1980 Drilling West Zone at 1:2500 scale in back pocket.

Lithology

To the south of the West Zone is a sequence of argillites, shales, slate, grit, basic volcanics, ferrodolomite and serpentinite (James, 1981). It is thought that faulting and thrusting may be present. The Craig Dolomite Formation is the dolomite unit hosting mineralization, with minor limestone and shales. The unit is exposed at the top of the Kill Zone, strikes northwesterly and dips steeply to the south. The dolomite is generally separated into three parts by James, 1981, consisting of a fine to medium grained thin bedded to laminated dolomite with sparry dolomite fracture fill subunit, a laminated, thickly bedded crystalline and massive pisolitic rock subunit, and a massive coarse grained generally finely crackle brecciated subunit. These units could be observed but any definite contacts were difficult to ascertain due to strong alteration, faulting and/or structural complexity and lack of suitable outcrop. For this mapping exercise, it was decided that since the carbonate units were strongly altered and structurally disturbed, the units would not be subdivided until such time that a careful study could be done.

Structure

A detailed look at the structural geology of even this small area could not be obtained in the time period allowed. A report written by J.P. Jutras for Manson Creek Resources Ltd. on the regional geology of the Craig Property may describe a structural history for the grid area.

Mineralization

The main mineralized zone is found at BL 0/0 + 50 W. Mineralization includes massive galena, sphalerite and tetrahedrite. Previous drilling programs indicate that complex faulting hampers efforts to interpret the geometry of the ore bodies.

Section 6.0 Nad Claims

6.1 Stream Sediment Survey-Discussion

The 1998 stream sediment sampling program carried out on the Nad claims and the surrounding streams draining the Nadaleen Range was extensive. An area of approximately 18 square kilometres was covered and 386 samples were collected. The Nad 1-119 claims are in the centre of this block. As with the Val, Vera, KLA and Rusty Claims this study is a work in progress and the results of the 1998 survey will be compared to the percentile values of the G.S.C. OF 2175 for the purposes of this report. The Ag-Pb-Zn values for these samples are in Appendix IV and full ICP 32 results are in Appendix V. Stream sediment data sheets are in Appendix VI.

There is one stream which stands out from all the others in that it has Ag, Pb and Zn values all in the 98-100th percentile range (samples 4040 to 4046). Pb values are not anomalous. This stream originates on NAD 91 and flows south to the Nadaleen River. The Discovery showing which was drilled in the 1980's is at the origin of this stream however it is a very strong geochemical response for a showing that has seen much less attention than the Craig Deposit Zone. The 'orientation' stream which drains the Craig deposit was not anomalous in any of these three elements.

Another stream originating directly to the east of Sample 4040 on Nad 93 (samples 5029-5032) which drains north is anomalous in Ag and Zn values. These samples are in the 98th percentile range for Zn and the 94-98 percentile range for Ag.

The streams running north-south through NAD claims 21-26 and 80-85 between the Discovery and Nadaleen Zones (samples 5041-5049) are anomalous in Ag and Zn. Of these nine samples 5 are in the 95-100 percentile range and 7 fall within the 95-100 percentile range for Zn.

At the time of mapping the NAD claims in August 1998 the stream sediment data was not available. J.P. Jutras has since looked at all elements for the stream sediment data and the area between the Discovery Zone and the Nadaleen Zone stands out as an area requiring a detailed look. The creeks will be prospected first as much of the area is tree covered.

Of the eight samples PLS2052-2059 six have Ag values in the 98th percentile. These samples were collected 1.4 km north of NAD 70. Curiously Ag is the only anomalous element for these samples.

6.2 Geological and Sampling Report for the Nad claims by J.P. Jutras December 1998

MANSON CREEK RESOURCES LTD.

GEOLOGY REPORT

On the

Nadaleen Range and Rusty Mountain area
MCK-YUK 1 project.

Based on field work conducted on the property
from July 27th to August 27th 1998.

By:
Jean-Pierre Jutras
B.Sc. Honors Geology

MCK YUK 1
JP Jutras Geology report

INTRODUCTION

A month of geological mapping and prospecting was conducted on Manson Creek's Yukon project MCK-YUK-1. The work conducted between July 27^{th} and August 27^{th} 1998 was aimed at expanding the known potential of the occurrences previously identified in the Nadaleen range during exploration work carried out between 1976 and 1982 by various companies. Four carbonate-hosted occurrences of silver lead zinc mineralization were known in that range (Nadaleen, Craig, Discovery and Trent zones) at the beginning of the project and the main purpose of the field work was to ascertain whether these zones may be related to a larger mineralized system which could span and encompass the known showings in a larger deposit.

OBJECTIVES

The objectives of the project were as follows:

-Propose a geological model accounting for the extent and distribution of the mineralization.

-Establish potential for continuity between the known occurrences.

-Prospect for any previously unreported mineralization in the area of interest.

METHODOLOGY

Three weeks were spent mapping part of the Nadaleen range as covered by the Manson Creek claim block a well as the Craig claim block under option from Falconbridge Ltd. Mapping was conducted on all areas of good geological exposure such as the ridges and slopes of the steeply mountainous area of interest. A scale of 1:5000 was chosen as the most convenient to report the information collected during the mapping traverses. As structural complications were rapidly obvious in the field, a smaller area than anticipated was mapped in detail but with a greater density of traverses.

Prospection sampling of numerous structures and mineralized outcrops as well as character sampling of the various lithologies was undertaken in order to help provide baseline geochemical data which will be useful in interpreting the regional silt sampling program's results.

An "outside-in" approach was favored to explain the mineralization known to date by building up the regional geological picture in a way that would allow us to better interpret the specifics of each occurrence in its particular geological context.

The opposite approach which was used in the previous work programs, building on the mineralization outwards, had not succeeded in producing a working hypothesis to account for the presence of mineralization, its extent or geometry.

PREVIOUS WORK AND CONCLUSIONS

The last report relating work performed in the Nadaleen range was written by Shelley James, October 1980 for Canadian Superior Exploration Limited. The program consisted of a re-interpretation of the existing geological data as well as drilling to expand the mineralized zones. The results obtained did not justify continuation or follow up to the program.

The most complete geological picture presented for the area of interest within the Nadaleen range can be found in the 'Geological Report on the Craig Property' written by R.G. Gifford, P. Eng, for McIntyre Mines Ltd. in 1979. The geology of the area is essentially presented as a carbonate-sedimentary sequence of Hadrynian age, trending E70° and steeply dipping to the north and in contact to the south with an ordovician-silurian sedimentary package (grit unit). A 'volcanic' unit consisting of tuffs and mafic rocks altering to serpentinites with associated ferrodolomites was recognized and presented as a possible intrusion along a zone of crustal weakness. No intrusive rocks were identified in the area of the Craig claims.

Wide, open folding was recognized and described as possibly related to the "Dawson thrust". Mineralization was interpreted to be of the Mississippi valley type carbonate hosted lead-zinc (+/- silver) associated with the dewatering of a shale basin. The host was described as the east-west trending "Craig dolomite" of Hadrynian age. Local faulting as well as regional thrust faults were inferred to explain many of the discrepancies in lithological relationships as well as to explain the relationship of various rock packages (carbonates, grit unit and ultramafic volcanics with associated ferrodolomites).

1998 MAPPING AND PROSPECTING RESULTS

NADALEEN RANGE.

GEOLOGY

The distribution of the various units can be seen on the 1:5000 scale geological map included in this report.

The units described by Gifford were identified in the field but more work was performed to define the relationships of the different units as well as the structural controls affecting their distribution in the field.

The stratigraphic sequence seen in the field in the area mapped consisted of:

WEST		EAST	
Top of sequence	Silty terrigenous sediments (schists)	Top of sequence	
	Bedded calcareous rocks (incl. "Craig dolomite")		Bedded calcareous rocks (incl. "Craig dolomite")
	Silty terrigenous sediments (schists)		Silty terrigenous sediments (schists)
	Agglomerates		
	Serpentinites		Andesitic Tuffs
Base of sequence	Andesitic/Rhyolitic flows	Base of sequence	Massive Limestone

All units were found to be comformably related as there were transition zones between all rock types (PHOTOS 7 & 4b). The rocks exposed over the map area seem to represent a deepening of the marine depositional environment to the east (in general terms).

The carbonate unit, part of which was referred to in previous work as the 'Craig dolomite' was found to be a relatively thin (10 to 60 meters in maximum true thickness) unit which often appeared to have a much greater apparent thickness due to the relationship between topography and the geometry of the folded unit. The unit is extensive, being found over the 2.5 km of the mapped area and is consistent in color, texture and appearance (PHOTO 1). It generally consists of a 5 to 20 meters thick sequence of coarse calcareous, silty 'sandstone' (PHOTO 2) which was probably deposited as a calcareous beach 'sand' followed by a relatively thin (5-15 meters) package of thinly layered/bedded (PHOTO 3) silty/calcareous siltstone (possibly some evaporites) and capped by another sequence of coarse calcareous silt-to-sandstones. This unit was commonly highly reactive to the application of dilute 10% hydrochloric acid except where silicification and quartz stockworks were present, namely at the west and discovery zones.

Other limestone outcrops were observed locally as larger, more massive discrete units which were probably deposited as reefs in a shallow marine environment. None of these exhibited considerable lateral extent or continuity (perhaps due to lack of exposure?).

No fossils were observed in the field that would have either supported the age of this sedimentary package or provided new data to re-date the various units (except possibly some algae mats in one of the ferrodolomite outcrops but deformation and related alteration rendered identification extremely difficult).

The 'grit' unit is composed mostly of siliceous, terrigenous to basinal sediments ranging in type from very fine grained mudstones to coarse quartz-pebble and chert-pebble conglomerates. They represent a range of depositional environments covering proximal active channel deposition (conglomerates) to deep water basinal type sediments (mudstones, cherts).

The origin of the rocks now observed as bands and pods of serpentinite remains problematic (PHOTO 4). They show an extremely wide range of textural fabrics (even within a laterally continuous outcrop) but are seen in the field to be comformable to the adjacent units. They occur both flanking carbonates as well as locally as pods within the grit units. These units are generally extensive and show good lateral continuity as well as good transition zones with the adjacent units. The field relationships indicate that this rock type is comformable to stratigraphy but its origin or mode of emplacement remains unexplained. This unit has served in many areas as a marker bed and has helped solve a significant amount of the fold geometry present. In short, it may be either a syngenetic, comformable unit related to basaltic or komatiite flows or a late ultramafic sill emplaced along bedding and prior to deformation.

Two previously undescribed units have been mapped in the field this season. The first is a unit which has historically been grouped with the ferrodolomites due to its resistant nature and its buff orange weathering. This unit, observed in pods and 'dykes' through the area of interest has been observed to locally cut stratigraphy and often incorporate clasts of the surrounding rocks. It exhibits a wide variety of textures and is essentially characterized by heavy brecciation and silicification. It almost invariably carries traces to 4-5% of sulphides (Py, Gn, Sp +/- Cpy), often displays malachite coatings and is typically bounded by fault surfaces (slickenslides) and small quartz vein bearing shear zones (1-2 meters wide). In one instance, in the western part of the map area, it is found in contact with a serpentinized unit which displays a strong mylonitic foliation at the contact.

It is interpreted that this unit is a late stage unit which is either related to a particular structure (fold axial planar zone of silicification) but is more likely related to zones of degassing and silicification associated with buried intermediate to felsic intrusive stocks. Such intrusive plugs, stocks and sheets have been identified in the Rusty mountain area which appears to be essentially in the same general rock package. In the western area of the map sheet, this unit has been observed with a remnant (now heavily silicified) texture indicative of high level dacitic-rhyodacitic affinity. This type unit has been locally observed to carry significant amounts of sulphide mineralization (disseminated networks of and pods of massive sulphides (Py +/- Cpy)) with anomalous to high copper and gold values.

The second family of previously undescribed rocks form the core of the area of interest and were previously grouped in with the 'serpentinites, ferrodolomites and associated volcaniclastics'. They consist of a group of rocks ranging from andesitic tuffs and flows to rhyolitic flows, tuffs and agglomerates. These rocks are extremely important in situating the geological depositional environment since one would not expect to find them in a 'passive margin' carbonate platform environment which is where one would expect to find the typical Mississippi Valley Type deposits. They indicate a much more active depositional environment which is closer to that of a subduction zone with associated bimodal, calc-alkaline volcanism. In an environment such as this, other types of deposits may be discovered such as sinter-related sedimentary exhalative (SedEx) massive sulphide deposits as well as deposits related to high level intrusions in the core of the volcanic center (porphyry deposits, skarns, chimney and *mantos* replacement bodies).

The lithologies observed are indicative of an active intermediate to felsic volcanic center near an oceanic shoreline. If the units which now form serpentinites were originally deposited as sea floor basaltic to komatiitic extrusions, the environment could be pin-pointed as that of a back arc (bimodal volcanism and marine sedimentation) near a reactivated oceanic floor spreading center or rift (basaltic and komattite flows).

Evidence has also been found to support hydrothermal activity which was probably related to the volcanism (*hot springs activity*). *There is at least one full volcanic cycle exposed in the area of interest* where volcanic rocks (tuffs, flows and agglomerates) were deposited over existing limestones and were then covered by terrigenous sediments (mudstones, siltstones, sandstones and conglomerates) before carbonate deposition occurred again (overlying 'Craig dolomite'). To the east, although the volcanic rocks are not observed, thick sequences of siliceous chert may be related to volcanism as chemical sediments deposited in deeper water may have been created by underwater hot spring activity. Support for this comes from two outcrops/subcrops of fractured limestones where networks of black silica glass +/- sulphides can be identified (*PHOTOS 5a & 5b*).

STRUCTURE

The entire area mapped was characterized by extremely ductile deformation (PHOTOS 6a & 6b). This amount of deformation, in consideration of the fact that essentially no metamorphism is observed, would indicate various compressional regimes in a buried but still very 'wet' sequence of rocks. The presence of large amounts of water but little heat would allow for the rocks to react in a plastic fashion without recrystallization due to external stress.

Three important folding events can be observed or inferred from field observations.

First folding event.

This event resulted in fairly tight anticlinal folding with a roughly east-west axial plane and a probable steep axial dip to the east. It is difficult to clearly establish the initial geometry of the first fold as it has subsequently been deformed by two more phases of folding. A strong axial planar schistosity (S1) has been created in the siliceous sediments as well as in the volcanic rocks by this event. The carbonates, although folded as well, do not show any development of significant foliations (PHOTO 7). The serpentinites reacted to this deformation mostly by shearing and fracturing as well as local development of a strong *C-S* fabric. Throughout the sediments, bedding is difficult to see for two reasons: Bedding (S0) is often transposed along the foliation and since the folds are mostly tight, the foliation and bedding are often sub parallel (limbs of the fold). Areas of F1 fold closures are easily recognizable in the field as "L" tectonites are created by the 90^0 intersection of the axial planar schistosity and the bedding foliation. In less technical terms, the outcrops in this structural setting form series of elongated 'pencils' (PHOTO 8).

Many of the thin coarser units within the sedimentary pile were 'dismembered' during this phase of deformation due to their lower plasticity to deformation than the finer grained units (FIGURE 1). Some of these coarser grained, porous lithological 'boudins' absorbed significant amount of quartz during subsequent deformation and formed discontinuous, silicified quartz 'pods' (PHOTO 9) which were then transposed along the schistosity. Although many of these pods carry sulphides, none of the ones sampled carried ore grade mineralization.

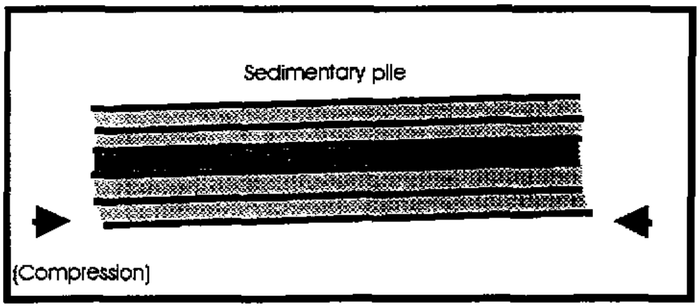
Second folding event.

The second folding event is inferred from the rotation of the first schistosity as well as from a distinct, weak S2 foliation present throughout the 'grit' unit. It's axial planar direction is inferred to also be east west, at a slight angle to the first folding event. Field observations would indicate a slight dip of the axial plane to the south. As such, it may only be a 'reactivation' of the compression forces that generated the first fold at a slightly different angle (due to rotation of the block on a regional level or slight change in the *stress ellipsoid during the evolution of the compressional event(s)* PHOTOS 10 & 11).

FIGURE 1: Competent unit behavior in fold forms

1. In the context of layered sedimentary rocks, the behavior of more competent layers during folding will lead to the formation of discontinuous lenses or 'boudins'.

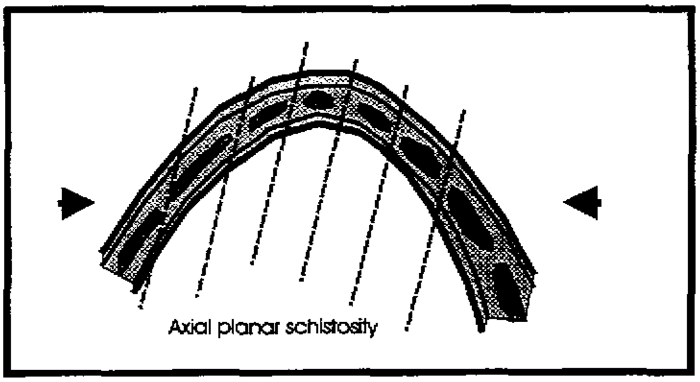
As silicification often accompanies mineralization, the behavior of competent units becomes important in heavily folded terranes. Should there be deposits such as VMS type sulphide pods and lenses, these will tend to behave as a competent mass within finer grain or more plastic sediments or volcanic units.



2. As the fold form devellops, the creation of penetrative axial planar cleavages or schistosities occurs. These planes act as individual 'shear' planes along which sliding occurs to accomodate the deformation.

The more competent units (massive units, sulphides, zones of silicification) do not slide as easily as the finer sediments and are dismembered along So (bedding) and will start to rotate to align themselves along the schistosity (transposition along S1).

In the case of photo #9, a porous coarse grained sedimentary layer *was first silicified, then dismembered and transposed* to form a series of quartz 'pods' or boudins aligned along the main foliation.

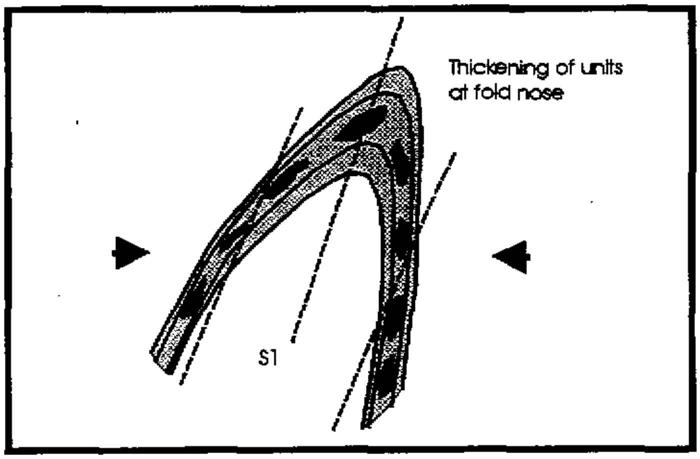


3. In the final fold form, thinning of the limbs and thickening of the fold nose is observed as compression from the 'sides' results in extension along the schistosity (acting as 'escape' planes).

The final distribution of resistant pods or pockets, often the ones that are mineralized, will look like that of figure 3.

Note that when the fold is tight, the schistosity will essentially be parallell to bedding in most cases (along the limbs). Resolving fold geometries in the field is accomplished by finding the fold noses which are areas of high angle relationship between original bedding (So) and the axial planar schistosity (S1 or Sx in the case of multiple folding).

Not recognizing folding in a layered sequence will lead to impossibility in correlations as well as the incapacity to follow beds which are known hosts to mineralization or even mineralization itself in the case of VMS or SedEx type deposits.



A series of intersection lineation tectonites ('pencil' outcrops) were also created by the intersections of the turning S1 schistosity intersecting the S2 axial planar schistosity.

No quartz veining or other tectonic lithological/alteration features have been observed associated to this deformation.

The third and last folding event at the scale of the mapped area consisted of gentle open folding along a north-south axis dipping approximately at 20° to the south. It's physical expression is the erosion of the synclines forming the north-south valleys/drainages while the anticlinal portions now form the long north south ridges.

No schistosity is associated to this event but a locally strong axial planar fracturing can be observed in the fold hinges of some of the more resistant units such as coarse grits, sandstones, silicified volcanics and some of the carbonates. This folding event was much more 'brittle' than the preceding episodes and deposition of quartz in many of the axial planar fractures indicates introduction of silica bearing fluids (or remobilization of silica +/- calcite within the sedimentary pile). The quartz is generally white bull quartz, locally with some vugs and development of clusters of late clear quartz crystals lining open spaces (PHOTO 12). The fracturing is limited to the fold hinges of this gentle folding event.

No important thrusting or faulting was observed during the field traverses. Continuity between the various units is representative of changing sedimentary regimes and the distribution of the various units in the field can be accounted for reasonably well in terms of the deformation events described above. Locally, small scale shearing was observed in tight fold noses but the displacement was minimal and the overall fold geometry was not overly disrupted (PHOTO 13).

If the regionally significant 'Dawson Thrust' is inferred to cross this area, it is suggested that its location would be north of the map area, in the valley of the Rackla River (near camp) as a strong break in structural style as well as rock types occurs, separating the southern portion (Nadaleen Range, as described above) and the rock package exposed directly north of the river and which consists of a flat-lying, essentially undeformed sequence of dominantly carbonate rocks with occasional dirty, fine grained sediment interbeds (REGIONAL 1;250 000 map).

MINERALIZATION.

Lead, zinc and silver mineralization.

A block diagram model is presented that describes the litho-structural setting inferred for the mineralization reported to date in the Nadaleen range (SEE FIG 2).

Only one 'new showing' was identified between the Craig (west) and Discovery zones with the following assay:

Sample Number	Ag (g/T)	Pb (%)	Zn (ppm)
643555	210	25.6	4030

This showing is covered in scree and the sample was of float quartz vein +/- galena / tetrahedrite. It is not inferred to have come from a significant body of mineralization.

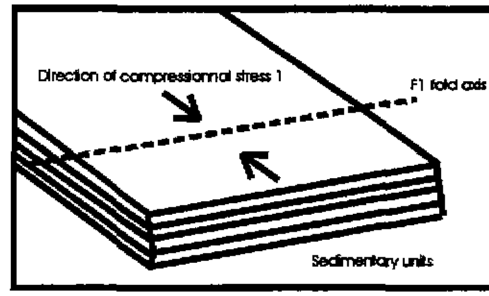
As the mineralization appears to be related to remobilization of sulphides and redeposition in chemically reactive rocks along an structural intersection lineation (F1-F3 axial planar intersection) and considering the limited depth extent of the host carbonate unit, it is suggested that it is extremely unlikely that any kind of bulk mineable deposit may be formed in these conditions. Even with a thickening of the carbonate unit and a greater depth extention to the host, the geometry of 'high grade' mineralization s would remain that of widely spaced, unconnected steeply plunging to vertical cylindrical 'ore shoots'.

FIGURE 2: LITHO STRUCTURAL INTERPRETATION OF THE NADALEEN RANGE Pb-Zn-Ag MINERALIZATION

1. Formation of host carbonate rock in shallow sea environment.

First deformation event results in north-south compressional stress ellipsoid.

Tight folding occurs as a response to stress along an east-west axis

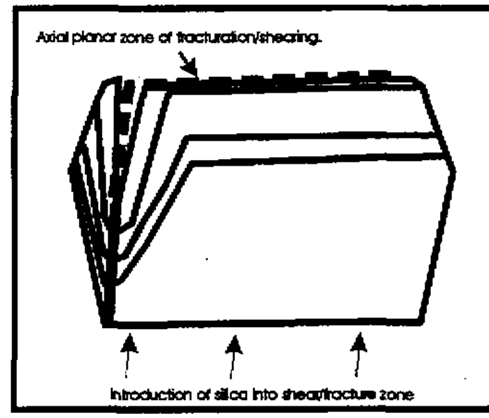


2. This folding results in a tight fold form with associated axial planar fracturation and minor shearing.

Introduction of silica-bearing fluids in fractured plane results in east-west trending quartz vein-bearing and silicified zones.

Minor sulphides (Py, Gn Sph) are found in the quartz veins and pods along this trend but no significant mineralization was formed during this event.

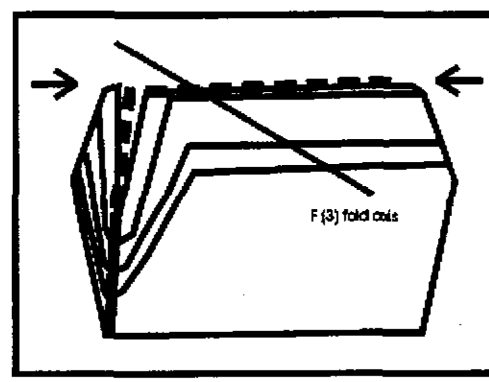
Although the first and second folding event were essentially *coaxial, it has not been determined wether the silicification is an* F1 or F2 feature. It is inferred to be F1 at this time.



3. A third folding event, producing gentle open folds with a north-south axial plane, was later superimposed on these rocks.

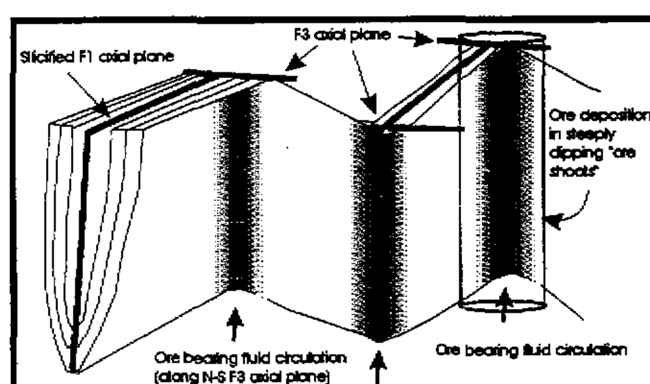
The already silicified (F1?) axial plane, being much more resistant to deformation than the sediments or carbonates reacted in a more brittle fashion and fractured along the F3 fold axis.

Open space along fractures created an excellent environment for ore deposition in this intersection lineation of the F1 and F3 axial planes (below)



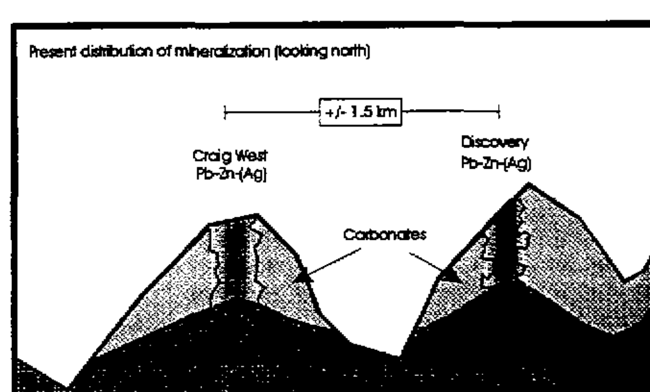
4. Ore bearing fluids were probably introduced during the third folding event. Galena, sphalerite and silver bearing minerals were deposited along existing fractures along the F1-F3 intersection lineation. Weakly disseminated mineralization is also found along the plane of silicification away from the intersection with the F3 fold axis.

It is interpreted at this time that the ore bearing fluids are related to underlying intrusive rocks or may have been remobilized from unexposed underlying massive sulphide deposits.



5. Erosion to present day level exposes a number of remnant ore shoots and pods. There is no downplunge continuity to the mineralization as the carbonates form east-west synclinal 'keels' which are underlain by unmineralized sediments.

There is no continuity between the zones as 1) the carbonates were eroded between the zones and 2) mineralization is controlled by the F3 fold amplitude, creating mineralized pods and shoots in specific areas on an east-west trend.



It should be noted that in the same structural setting to the south west of the known zones, the carbonate unit is observed in an equivalent structural setting but has failed to develop any significant quartz veining and shows no signs of mineralization. It may be that there is a discrete 'engine' for silica and ore bearing fluids circulation which was only active in certain areas of the property (probably unexposed intermediate to felsic plugs, sills or dykes) and although equivalent conditions for ore deposition may have been created in other areas, there was no engine to drive the sulphide remobilization.

Other mineralization types.

Two important new mineral occurrences have been identified in the Nadaleen range over the mapped area. Samples from these areas returned the following values.

Sample Number	Au (g/T)	Cu (%)
643540	20.37	10.4
643541	8.3	16
643607 (resampling of 643541)	9.72	6.85

These samples were taken from a resistant buff-orange highly fractured and silicified unit which hosts sulphide stringers as well as pods of massive sulphides (Py +/- Cpy and locally malachite/azurite coatings).

This occurrence, whose extent is unknown but whose surface expression is limited (6-10 meters in length by 1-2 meters in thickness?) is located approximately 1.5 km to the south east of the Craig West zone.

In other areas of the property, units which are identical in appearance have been identified as fractured and silicified felsic tuffs/agglomerates of dacitic-rhyodacitic affinity, as described below.

The second new occurrence was found in a heavily brecciated silicified unit (probably felsic volcanic rock, flow or tuff of rhyodacitic to rhyolitic affinity) which carried abundant sulphides in stockworks through the thickness of the exposed unit (over 100m). A small pod of more massive sulphides mineralization (Py +/- Cpy) sampled at the base of the unit returned high copper values.

Sample number	Cu (%)
643606	5.27

This occurrence is located approximately 2 kilometers southwest of the Craig West zone. The small amount of mapping / prospecting performed over this occurrence does not allow one to characterize this mineralization as far as setting, extent or controls. However, two important observations can be made at this time: the rocks containing 30-50% disseminated sulphide in fractures did not carry ore grade metals while the sample of 'massive' +/- 80 % sulphide rock carried high grade copper. Secondly, no significant alteration marked the presence of high quantities of sulphide material in the rock. Only a 'lucky' hit of the hammer revealed a high sulphide content in this particular spot.

It should be noted that some rhyolitic tuffaceous flows have been observed with abundant 'sulphide clasts' which may have been part of the original magma but were most likely incorporated into the flows after the eruption of the tuffaceous rocks by scouring of massive sulphide horizons/pods/sinters along the volcanic flow path.

Further discussions concerning the petrology, mineral associations and trace element associations of these occurrences will take place in a second report on the characterization of these new types of mineralization and the implications to the mineral exploration potential of the property.

RUSTY MOUNTAIN AREA (Vera claim and vicinity)

Three areas of previously unrecorded mineralization recognized by the sediment sampling crew during traverses along drainages were investigated in the field in the Rusty Mountain area (LOCATION MAP). Although the emphasis during the few traverses in those areas was prospecting, the following observations were made in these three areas which were all representative of similar geological environments.

GEOLOGY

The mineralized areas were all spatially related to contacts between various fine grained sediments representative of fairly deep water, basinal type depositional environments (fine black mudstones and cherts) and silica-poor intrusive rocks such as porphyritic gabbroic dykes, syenites and diorites. In some instances, the contacts could be pursued over kilometers in length indicating that these intrusives may be spatially (and volumetrically) much more important than originally thought during previous work programs.

The presence of intrusive plugs and dyke systems indicates an active intrusive center with polyphase intrusions. There is very little contact metamorphism associated with the intrusive bodies themselves, indicating intrusions at relatively low temperatures. Most of the intrusive contacts observed had minimal associated shearing.

STRUCTURE

Intrusive sheets, dykes and plugs have all been observed on or around Rusty Mountain and the intrusions are probably responsible in part for the deformation observed in the sediments. 'Draping' of the sediments over large intrusions was observed and it is expected, due to the scale of the intrusions, that local folding may have been created during the emplacement of these bodies. Should there be a number of 'pluton' sized bodies in the direct vicinity of the property (within a few Km's), multi-phase folding could be created and could be invoqued to account for much of the structural complexity observed at Rusty Mountain and the surrounding area (including the Nad range).

Changes in bedding directions, cleavages (schistosities) as well as abundant outcrops of 'pencil' tectonites in the vicinity of Rusty Mountain are all indications that at least one episode of tight folding has occurred over much of the area.

MINERALIZATION

Although the historical Pb-Zn-Ag (Val, Vera, Big Red...) occurrences have not been examined during this prospecting, other mineralizations have been identified which were all spatially related to intrusions to the south, north east and north of Rusty Mountain.

South of Rusty Mountain (+/-2.5 Km from old Prism camp)

Samples of disseminated to semi-massive sulphide mineralization (Py +/- Cpy) at contact between mudstones and a (dioritic-granodioritic) dyke.

Sample Number	Cu (%)	Ag (g/T)	Pb (ppm)	Zn (ppm)	Au (ppb)
643592	2.41	17.6	32	34	20
642593	0.13	11.8	60	94	15

North east of Rusty Mountain (+/- 1.5 Km from old Prism camp)

Samples of sulphide bearing veins and shear planes within a small outcropping dioritic (?) plug in creek (PHOTO 14). Sample # 643588 is from the northern contact of the plug with fine grained, black mudstones. The contact consists of a 1-1.5m wide quartz vein with abundant sulphides implaced in a sheared zone 2-3 meters wide. Locally, pods of massive sulphides give rise to malachite-azurite coatings of the host rock. This 75 meters wide outcrop is probably part of a much larger intrusion, a few 100's of meters in extent.

Sample Number	Cu (%)	Ag (g/T)	Pb (ppm)	Zn (ppm)	Au (ppb)
643583	1.75	26.4	238	9660	160
643587	2.37	8	12	102	Tr
643588	10.75	21	18	48	195
643589	1.55	32	2	120	Tr

North of Rusty Mountain, across Rackla river (+/- 8 Km from old Prism camp)

Samples of contact zones between a long (3 km +, 150-200m thick) sheet intrusion of dioritic (?) rock in fine grained, black mudstones with disseminated pyrite +/- arsenopyrite. Sample 643612 is of a sheared contact-hosted quartz-calcite vein with abundant galena and sphalerite (PHOTO 15).

Sample Number	Cu (ppm)	Ag (g/T)	Pb (ppm)	Zn (ppm)	Au (ppb)
643610	1165	0.6	32	1215	325
643612	177	13.2	9770	3.12 %	10
643614 (NA lab)	2013	2.5	354	85	

This area was only prospected for a half day (last day in the field) and without a doubt deserves more prospecting. The likelihood of discovering Cu (Pb-Zn-Ag-Au) bearing massive sulphide in sheared contact with the intrusive is considered extremely high. Sample 643612 is a prime example of a direct association between Ag-Zn-Pb mineralization and an intrusive contact in the sediments.

Discussion.

There is little doubt that the intrusive masses observed in the area were responsible for introducing metals in the system and that understanding the distribution of these intrusive masses will be critical in terms of the overall environment for ore deposition. They may also have played an important role in remobilizing pre-existing mineralization and should be recognized as an important engine in the final ore-forming process.

It is difficult to conceive that the new occurrences described above may be completely unrelated to the existing known mineralizations (Val, Vera, Big and Little Red, Tetrahedrite…) and it appears more likely that all of these occurrences are genetically related (although possibly in a zoned or remobilized system).

Again, although much work has been done on the zones themselves, there seems to be little data on how all of this ties in together in a well defined geological/structural environment. It may be that an outside-in approach is needed at this time to provide a lithological and structural framework that will account for the existence and distribution of the mineralized zones known at this time. As long as there is no good working hypothesis concerning the controls on the existing mineralization, it seems unlikely that exploration will succeed in finding more targets.

Gossanous Creeks

General comments

A number of highly gossanous creeks have been observed either during helicopter overflights or during regional silt sampling exercices. Three of these creeks were visited and sampled during the work period.

These creeks are characterized by the deposition of thick iron oxide crusts in the creek beds as well as by strongly colored, predominantly red but also locally yellow or white water flow (PHOTOS 16a & 16b). In all instances, these occurred in fine sediments with abundant chert units ranging in color from dark grey to beige to white. In one of these creeks (northeast of Kathleen lakes), abundant sulphides could be observed in the chert bands under the form of finely disseminated fine-grained pyrite which is interpreted to be syngenetic (part of a sedimentary exhalative , or SedEx, package).

In all three creeks visited, iron oxide deposition was limited to areas of sulphide-bearing rocks implying fairly limited transport distances in the watershed and more likely, in-situ oxidation of sulphide (pyrite) rich rocks. Although no ore grade assays were returned for the sampling of some of these sulphide rich rocks, the 'red creek' south of the Nad range returned anomalous values in Au (25 to 70 ppb), Ba (290 to 690 ppm), Cu (24 to 524ppm), Mn (85 to >10 000 ppm) as well as an 18 ppm Mo value.

It is interesting to note that these 'creeks' do not flow year-round. In three instances, this reddish runnoff started to occur during our stay. In the only instance where a good contact exposure was observed, the runoff originated in a contact zone between an intrusive sheet and the host sediments, in a band of semi massive to massive sulphides at the sheared contact (north of Rusty Mountain). This occurrence was not sampled due to time constraints but some of the highest stream geochemical sampling values are known to come from this area.

As there are many creeks draining areas with 5-20% disseminated sulphides (or even small bands of semi-massive sulphide) where this alteration is not observed, it can be inferred that most of this runoff must drain areas of oxidizing massive sulphides, either in contexts of Sed Ex mineralization or in fault or shear hosted bodies of mineralization (including intrusive contacts). The fact that no 'economic' mineralization has yet been identified in these settings may be due to the following factors 1) the sulphides were originally barren of mineralization, 2) barren parts of the system are being leached (in a zoned SedEx for example...), 3) economic elements may not be leached along with the iron oxide (no mobility) or, inversely, may not be redeposited with the iron oxides in these gossanous formations (high mobility).

At any rate, these areas represent geological environments where large masses of sulphides were created and as such, at least until they are better understood, they should remain an exploration target. One such gossanous creek is reported in the vicinity of the Marg deposit, roughly 50 Km west of this area where a polymetallic Cu-Au-Ag-Pb-Zn VMS series of lenses has been identified.

DISCUSSION AND RECOMMENDATIONS

Recognizing that the geological environment of this area is not that of a passive margin carbonate belt but rather an area of back-arc bimodal (calc-alkaline) volcanism with associated marine sedimentation and volcanic exhalative activity has to be at the center of a revised regional and local exploration strategy. Recognizing the role of the large intrusions present on and around the properties as metal contributors and distributors is also extremely important.

The presence of local high copper and gold values as well as elevated trace elements such as cadmium, cobalt, strontium and vanadium can all be interpreted as being indicative of an environment where ore formation is associated with volcanic and/or intrusive processes. It is difficult to relate these metallogenic associations with that of MVT type ore formation processes.

Recognizing a new geological environment opens the door to new venues of exploration which could lead to significant discoveries. Amongst the deposit types that can be contemplated at this time are sedimentary exhalative polymetallic massive sulphide deposits, VMS, Kuroko or Besshi-type polymetallic massive sulphide bodies as well as mineralization associated with intrusive plutons or dyke systems (skarns, porphyries or shear hosted deposits). We now know that there were events which led to the formation of material grading up to 16% copper and 20 g/T gold in addition to the known silver-lead-zinc mineralization. As the majority of this mineralization is related in one form or another to massive sulphide occurrences, a regional airborne EM survey should be an excellent regional reconnaissance tool which would help direct the ground work. Radiometrics and magnetics should also allow for the better definition of the intrusive bodies as well as of the volcanic andesite-rhyolite packages which are very little known at this time and which may play an extremely important role in identifying areas likely to host economic deposits.

A survey on 100 meters spaced lines inside of the claim areas as well as a more regional coverage at probably 400 meters line spacing should allow us to evaluate if there is potential for any large massive sulphide occurrences outside of the known occurrences to date. A sketch of the areas suggested for coverage is included in the appendix.

Extending the mapping and prospecting of the Nad range to the west of the area covered this summer would be recommended as the volcanic package is exposed and open in that direction. Felsic volcanic rocks such as the sulphide-bearing rhyolitic tuffaceous flows identified this summer are excellent markers for mapping as well as excellent hosts for wide varieties of ore deposits (Cu-Au-Ag-Pb-Zn-(Co-Cd)).

It appears imperative that all of the available and relevant data be compiled to allow for the creation of a geological working hypothesis in the Rusty Mountain area. This compilation should help identify areas where key lithological or structural data may be lacking and allow for prioritization of work objectives for the next field season. An outside-in approach of filling in the geological blanks will probably be needed in order to provide workable models that account for the mineralization identified to date.

A further geological report will be prepared when a complete lithological 'library' has been prepared from the samples collected this summer which will also integrate results from thin section work done on the intrusive and volcanic rocks collected during the field season. Further parallels will be made to various existing deposits to support the possibility of various polymetallic occurrences.

CONCLUSIONS

Being the first to recognize a geological environment as prone to the discovery of economic ore deposits as the area where Manson Creek is working offers unparalleled opportunities in the field of mineral exploration. The types of polymetallic deposits that are likely to exist on and around the various properties are also of great interest when the future of any one commodity is as uncertain as today.

Basic regional as well as detailed exploration work such as airborne geophysical surveys, geological mapping and prospecting are the tools which need to be applied at this time to sustain a program aimed at discovering economic ore deposits. Existing data must be not only compiled but rationalized in a comprehensive geological model which will take into account all of the available information. It is only once there is a basic understanding of the ore forming processes involved in the known occurrences that a workable geological hypothesis will be put forward and allow us to give direction to the next phases of exploration.

The area displays all of the characteristics of an excellent mineral belt (albeit in what is probably a limited accreted slice of this geological environment). There is no reason at this time to ignore the potential for deposits such as a Kidd Creek or Homestake (Noranda/Kuroko massive sulphide), Sullivan or Red Dog (sedimentary exhalative), Windy Craggy (Besshi type deposit) or even porphyry style mineralization and associated skarns.

Although the mineralization identified to date has not been found in sufficient quantities to support a mining operation in this remote area, the fact that they may be related to any of the larger systems above fully justifies further exploration of the area as a whole.

APPENDIX 1

Photos

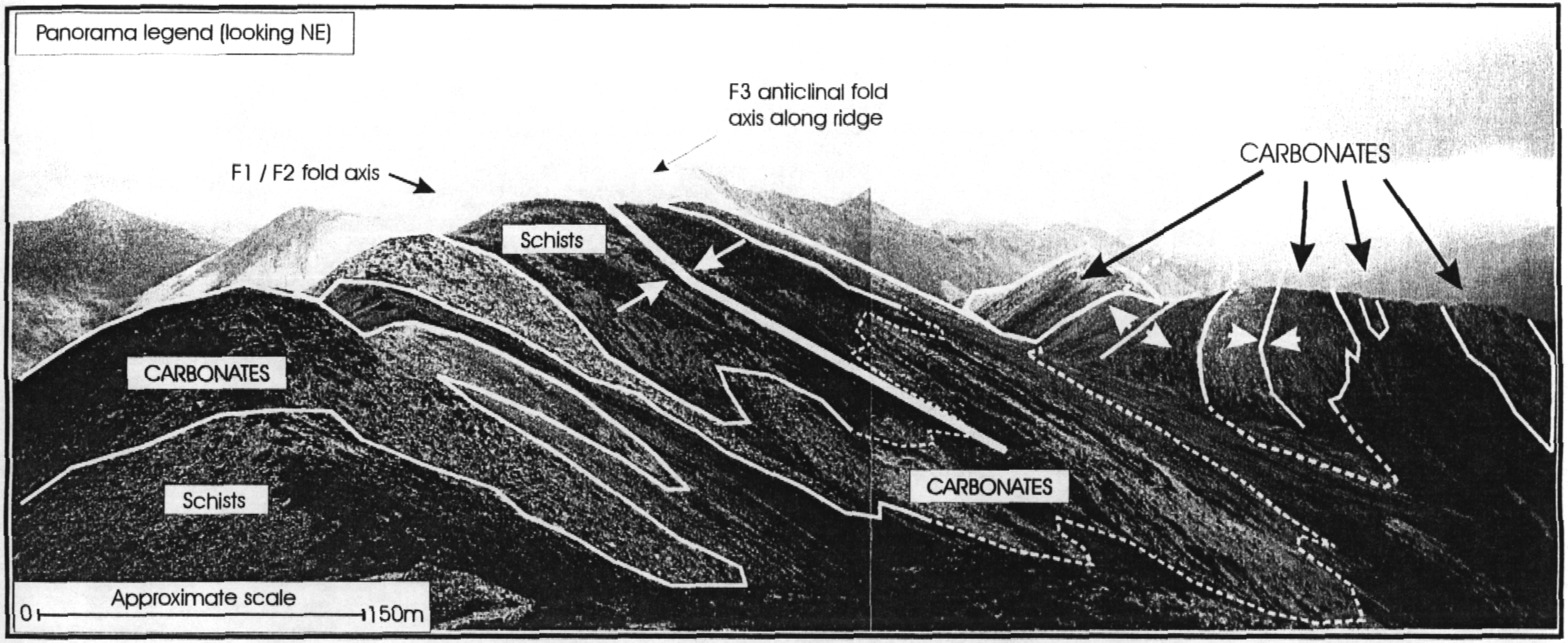


PHOTO #1(with legend)

Outcropping carbonate rocks on ridge southeast of the Craig West zone.

All of these outcrops are actually part of the same unit whose present distribution is a combination of present day topography cutting a heavily folded unit.

Although outcrops of carbonate rocks are abundant and occasionnally extensive, the whole unit is only from 10 to 20 meters in average true thickness.

The silver-lead-zinc occurences reported to date (Craig West, Nadaleen, Discovery and Trent zones) are all found locally within this unit.

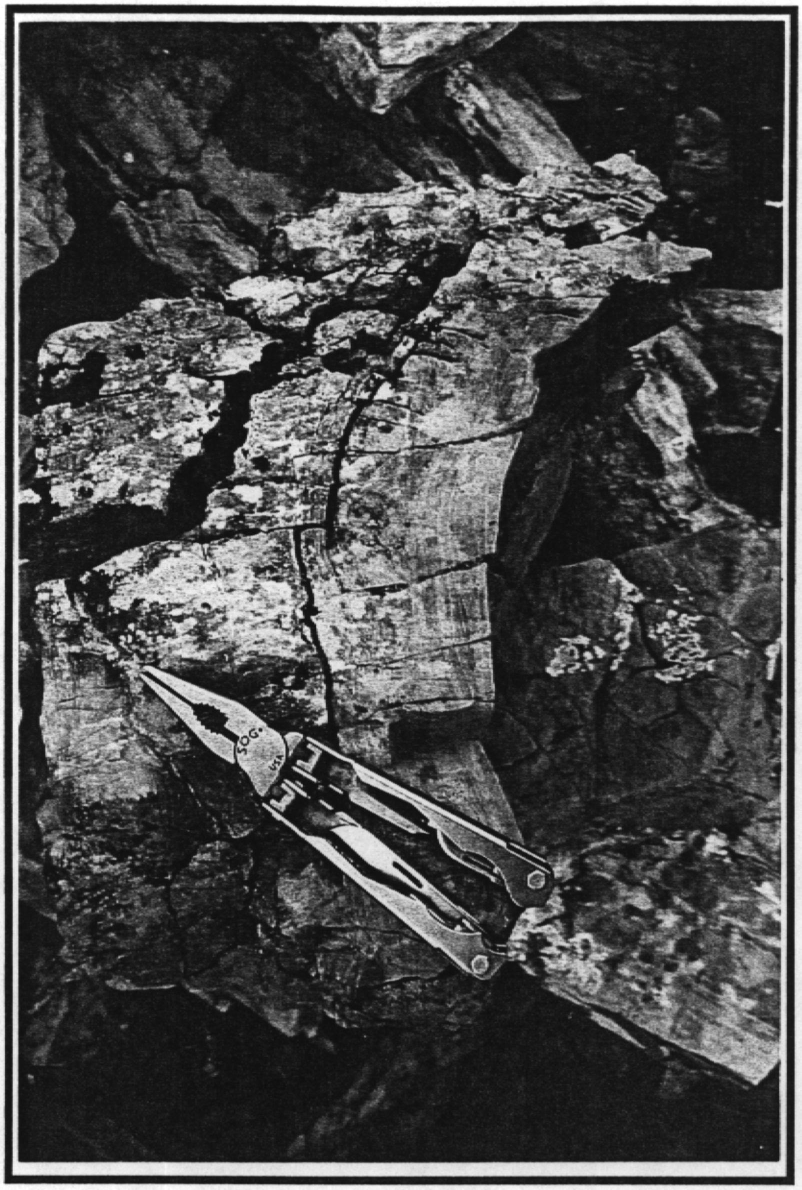


PHOTO #2.

Typical carbonate rock from unit including the 'Craig dolomite'. Notice the fine bedding and cross bedding which indicates that this rock was probably formed as a calcareous siltstone-sandstone by the reworking of calcareous sediments (such as beach sands).

PHOTO #3.

Typical finely layered carbonate rock which is part of the larger calcareous unit.

The darker fine laminations consist mostly of fine grained siliceous material (siltstone) and possibly some tuffaceous material. Chert layers and nodules can also be found in this unit.

This rock may have been formed in a very shallow basin such as a 'choked' lagoon and may be partially evaporitic in nature.

The mineralization noted at the Craig West, Discovery, Nadaleen (and Trent?) Zones seems to be confined to this rock sub-unit.

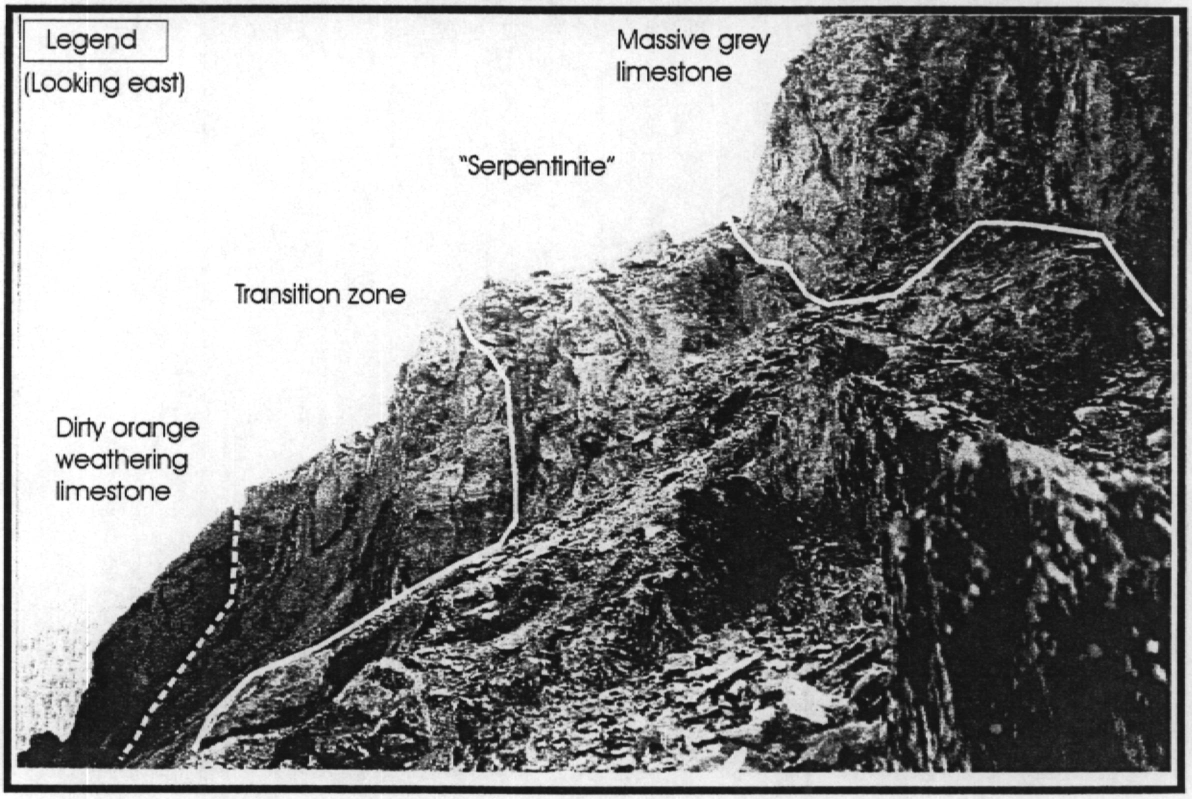


PHOTO #4.

+/- 15 meter band of the altered mafic (ultramafic?) rock which is now described as a serpentinite. In this case it is flanked by a massive, dirty buff orange weathering limestone unit with a 15-20 meters transition zone to the 'serpentinite' to the north followed by a sharp contaact with the massive, light grey limestones to the south (photo is looking east).

Although the serpentinites here dip vertically and trend east-west, the unit 'turns' past the view in the photo and trends at 350 degrees with a 45 degree dip to the east.

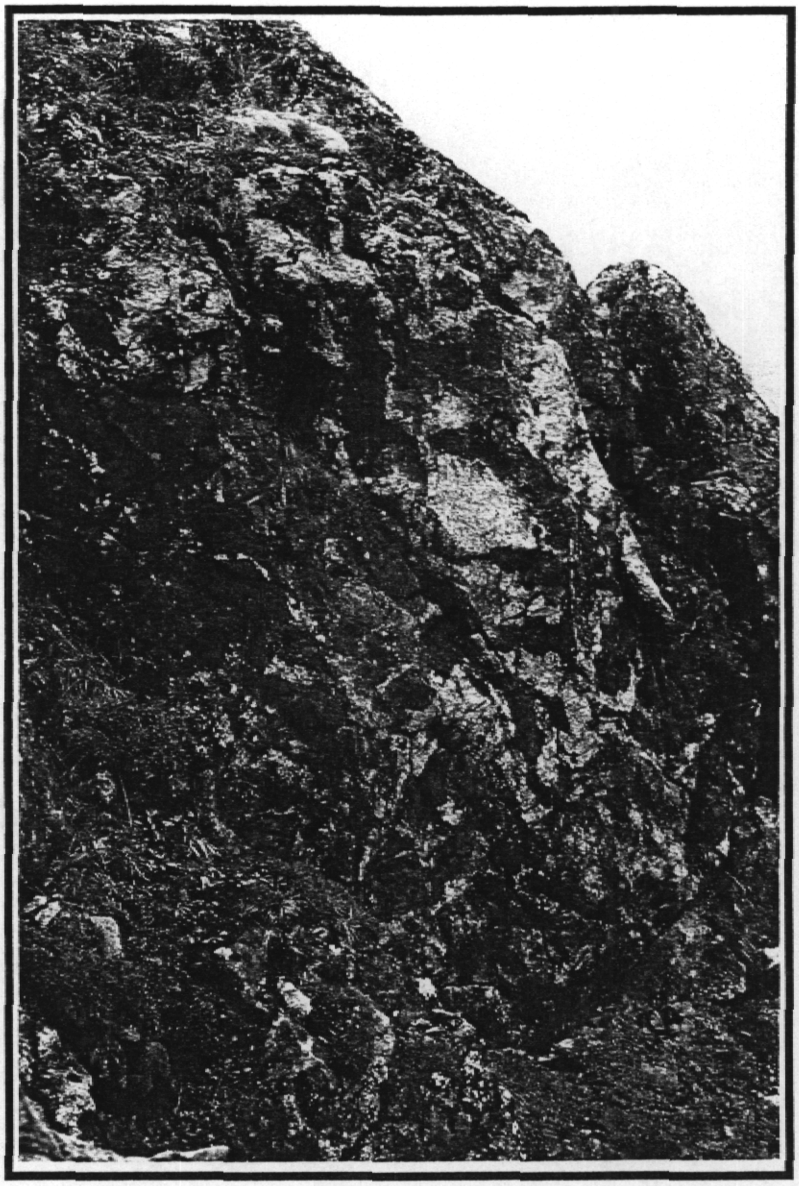
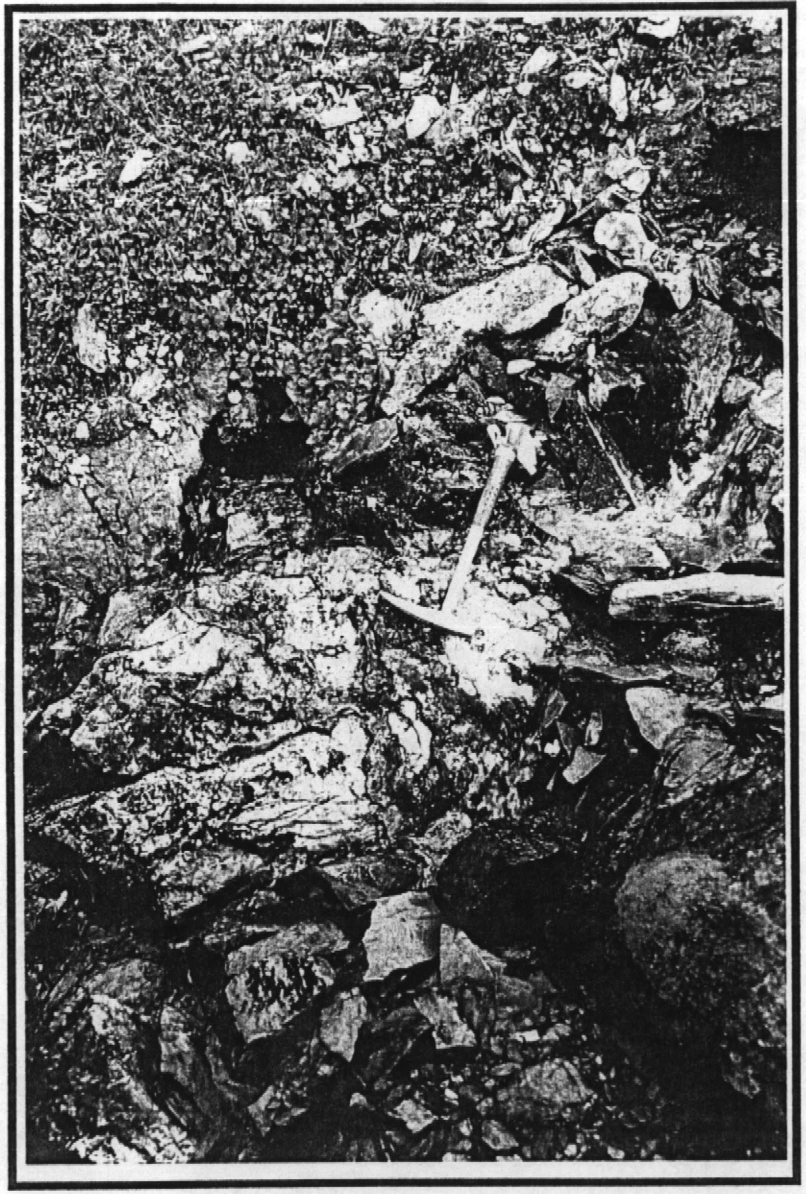
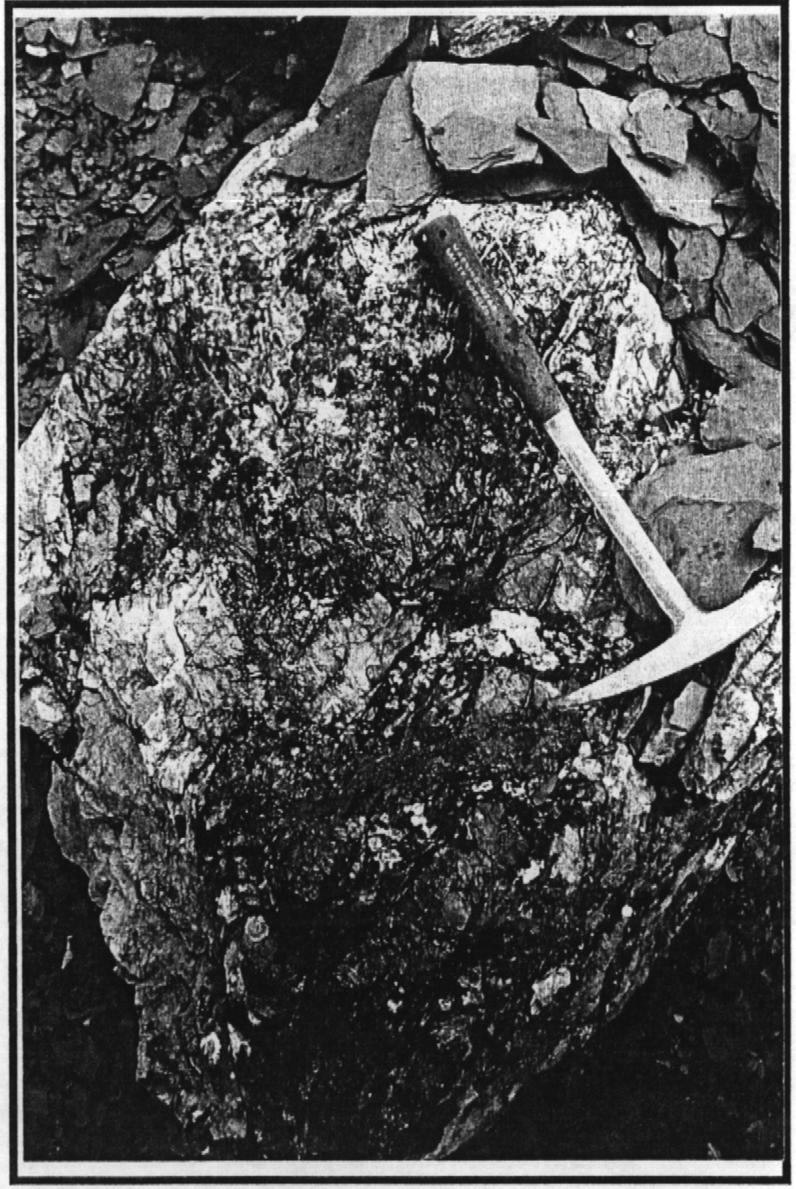


PHOTO #4b.

Transition zone between orange weathering limestones and serpentinites. The presence of these transition zones leads to the interpretation that the contacts are 'gradational' in nature or at least comformable.

These zones are difficult to reconcile with the interpretation that the serpentinites are altered ultramafic 'dykes'. Should they be a late intrusive addition to the sequence, one would expect sharp contacts, some sort of structural control to their emplacement as well as some metamorphism along these same contacts (especially along reactive carbonate rocks).

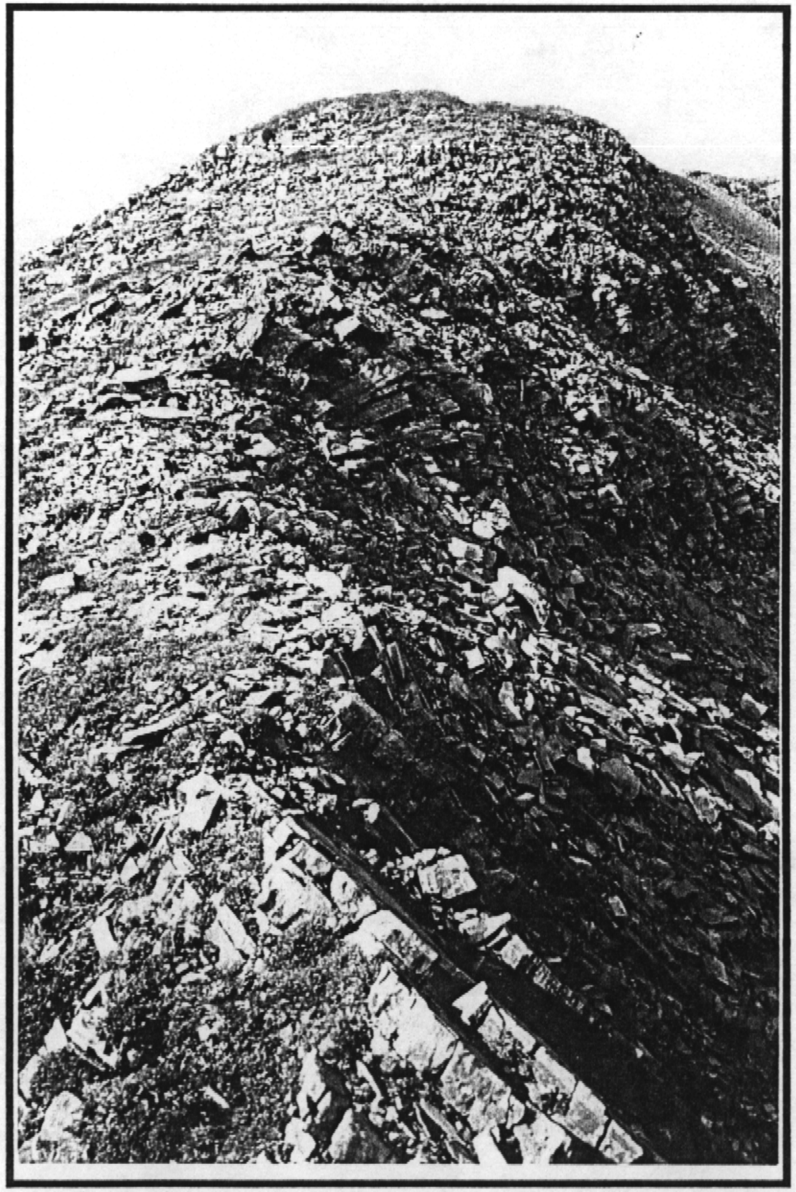




PHOTOS 5 & 5b.

Networks of black silica 'glass' in grey limestones. These formations are interpreted to have been part of a network of submarine exhalative sinters (underwater hot springs). The silica consists of fine, translucent layers of silica 'gel' and contains some finely disseminated sulphides (mostly pyrite).

There does not seem to be a preferred direction to the fracturing which essentially precluded this being a late tectonic fracturing and silica deposition event ('veins'). Siliceous solutions introduced in the system may explain some of the fine banded cherts in the system and some of these solutions may also have been significant metal and sulphur contributors to the system, creating massive sulphide bodies.



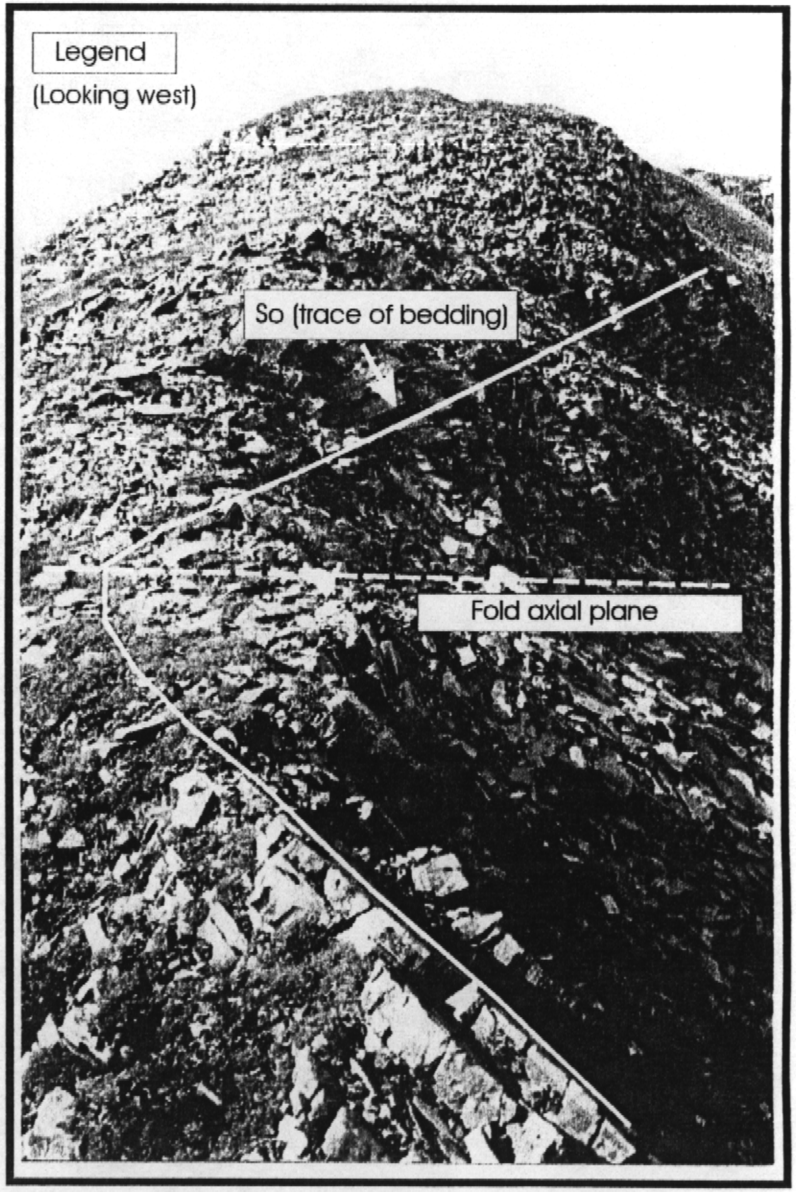
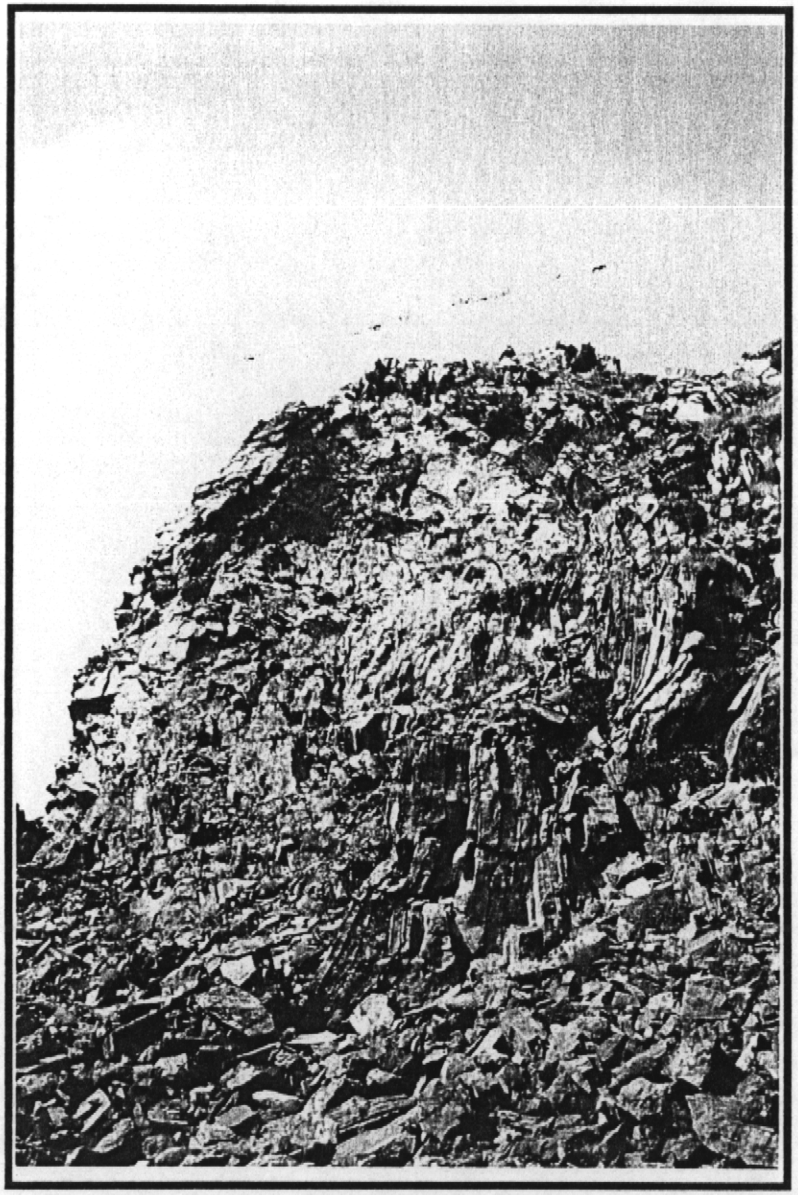


PHOTO 6 a.

Fold in finely laminated carbonate sediments (ref. photo 3). This is an excellent example of the level of ductility of these rocks to deformation. This unit, which is the limestone unit to the south west of the map area, is continuously exposed for over 1 kilometer in length and is probably one of the best exposures where multiple fold geometry can be observed.



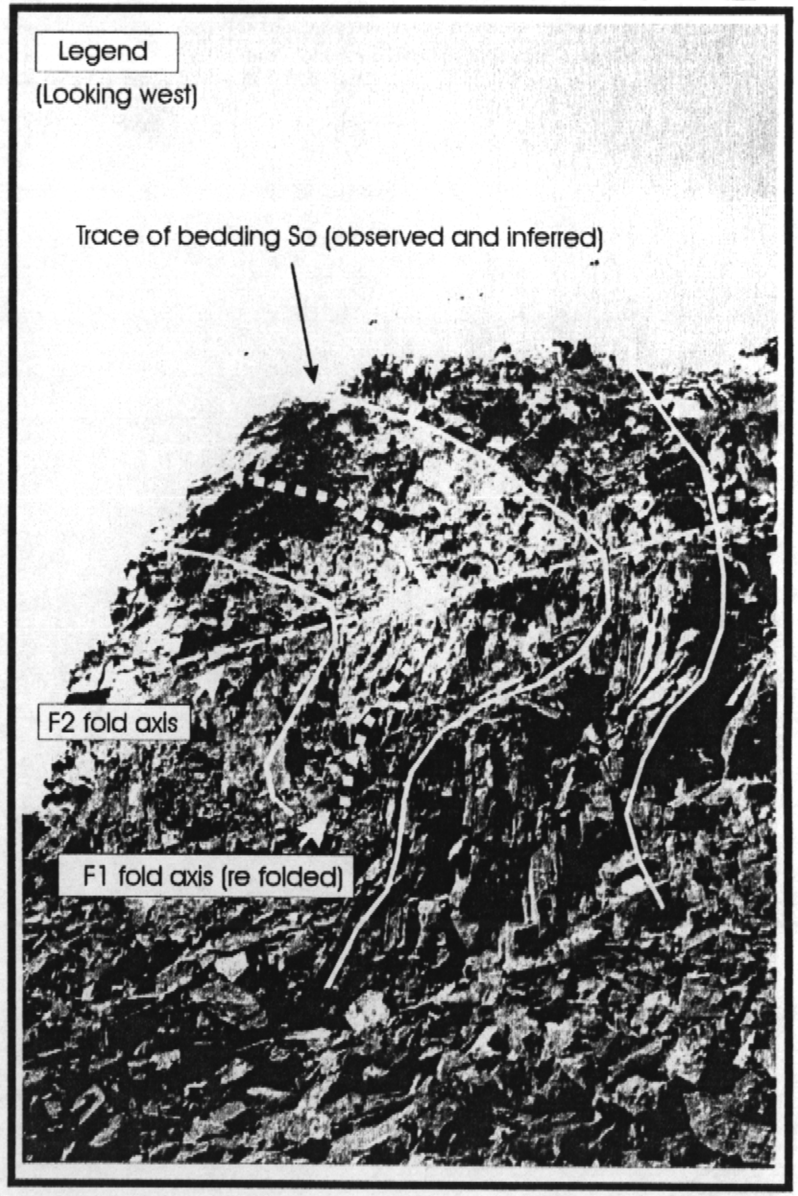
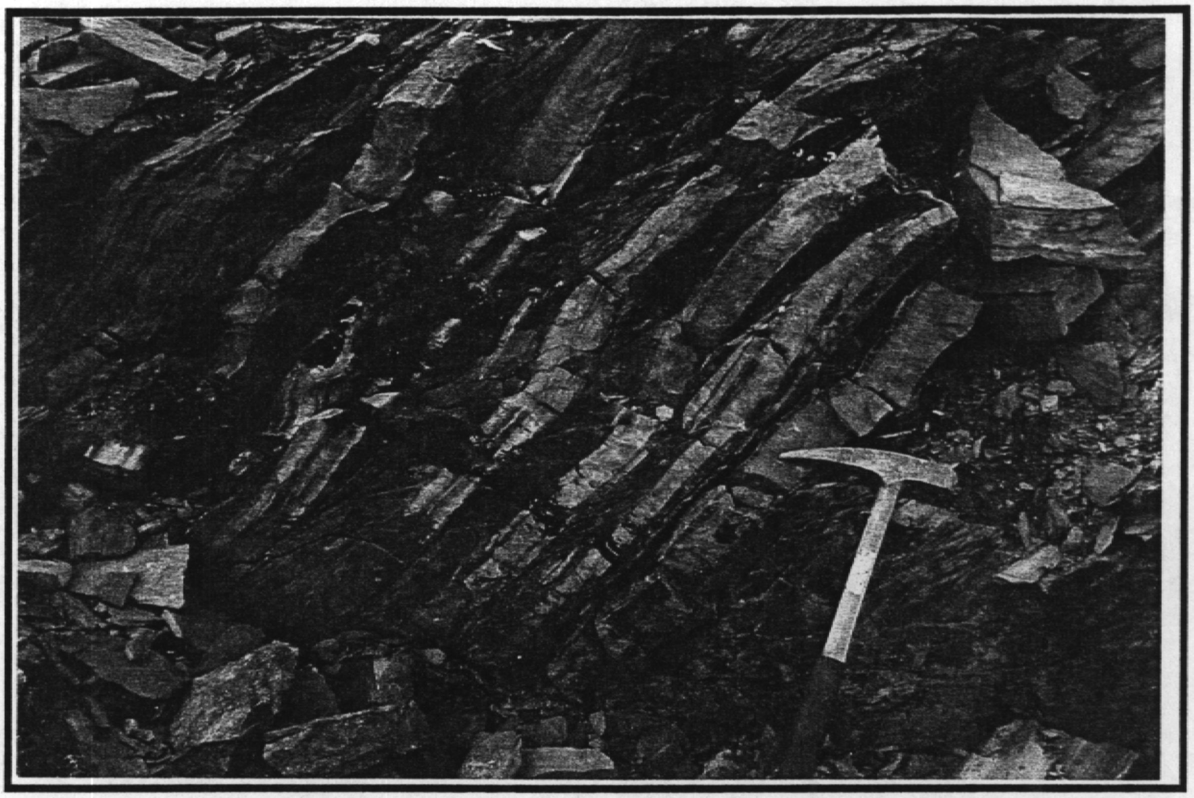


PHOTO 6 b.

A complex fold form in carbonates. This outcrop occurs at the coincidence of two fold axis (F1 and F2) and again demonstrates the highly ductile response of the carbonates to deformation. Complex outcrops such as this one are key exposures into the local and regional structural regimes and have to be accounted for in the development of geological models at any scale.

The fold forms are relatively easy to see in this bedded carbonate sequence but it is usually not the case in the other sedimentary units where development of strong schistosities obscures the bedding attitudes. In these sediments, the supporting evidence for the second folding event is found in the rotation(folding) of the strong axial planar schistosity that was created during the first folding deformation(photo 10).



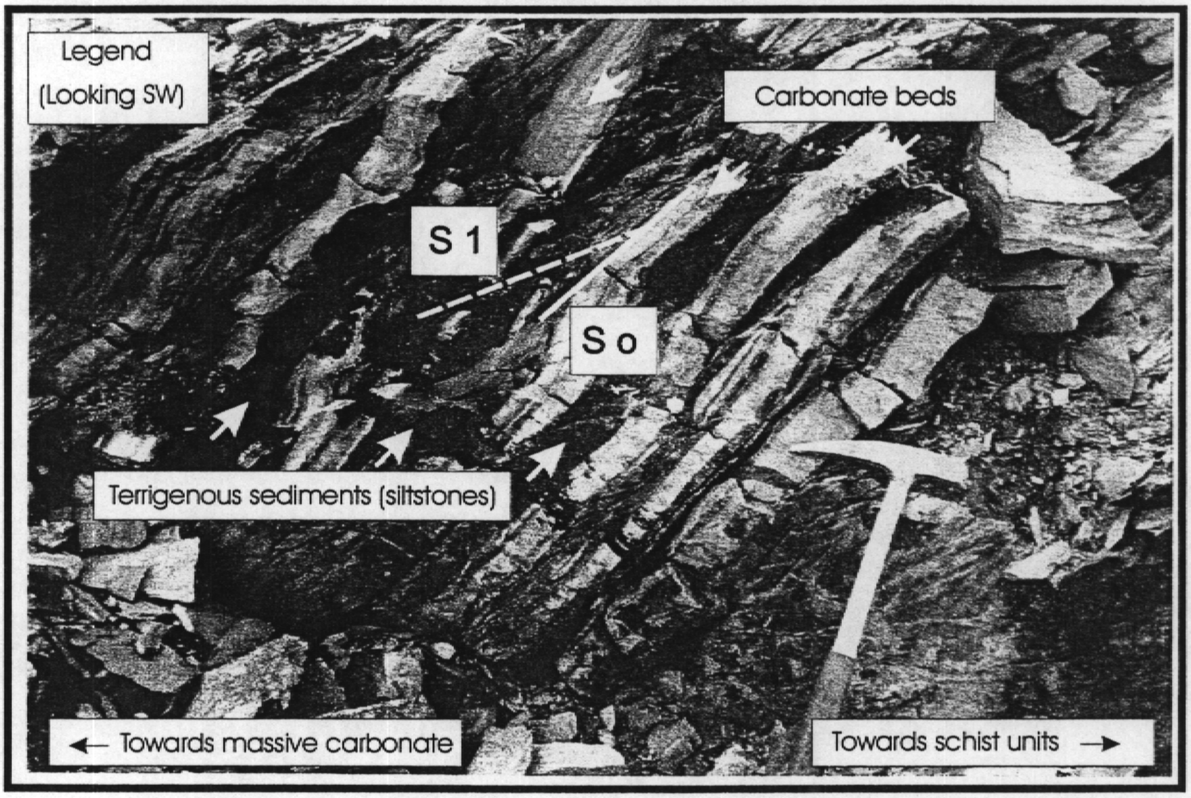


PHOTO 7.

Comformable transition zone between the carbonate unit and the terrigenous schists ('grit unit').

It is important to note that although a good foliation (S1) is develloped in the sediments, no such fabric is observed in the carbonates. The carbonates themselves rarely show developement of any fabric and as such are poor units to map structurally (except when using So or bedding contacts). The So/S1 relationship indicates that we are in the left limb of a syncline closing to the north of this outcrop (to the right of the picture).

PHOTO 8.

Typical outcrop at a fold nose. The intersection at 90 degrees of an axial planar schistosity or fracturation and another penetrative fabric such as bedding or a pre-existing schistosity creates intersection tectonites or 'pencils'.

These outcrops are extremely important to note in the field as they mark fold closures and therefore important changes in direction of the original stratigraphy.

In the area of interest, three types of *structural environments created this type* of outcrop:So-S1 intersections, S1/S2 intersections as well as S1-S3 or So-S3 intersections.

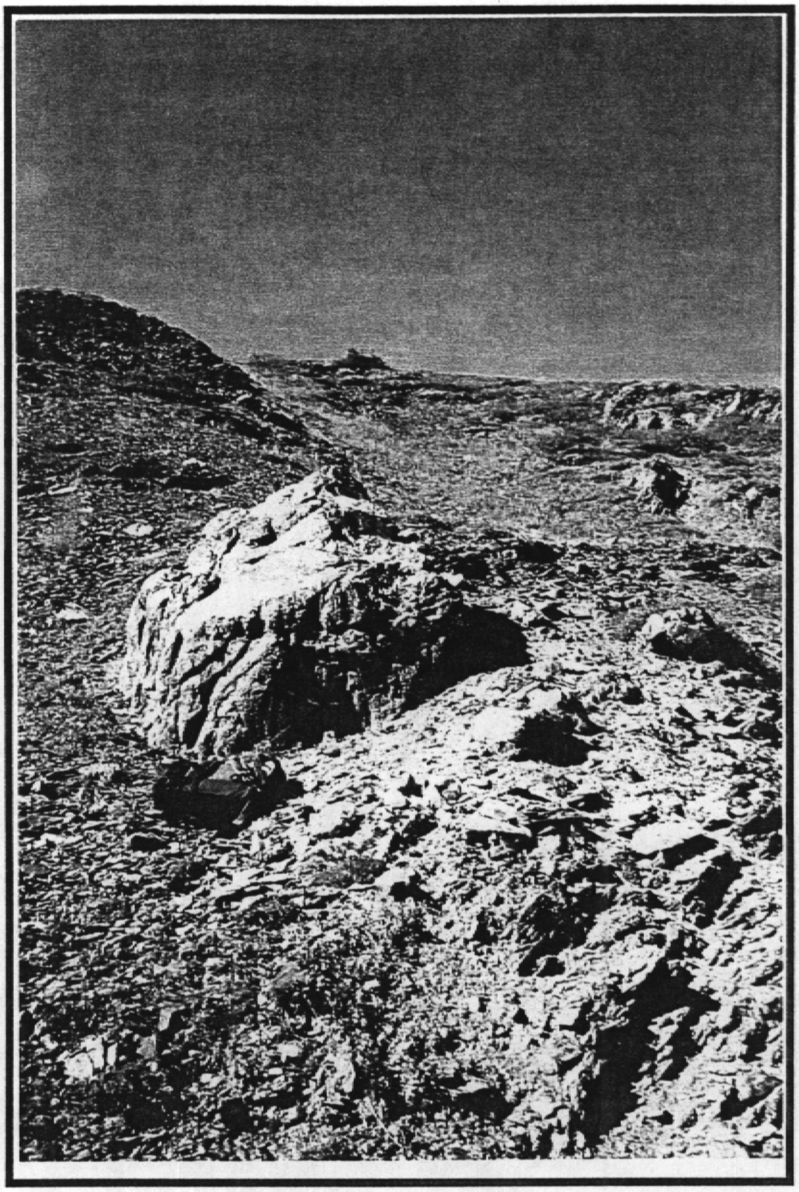
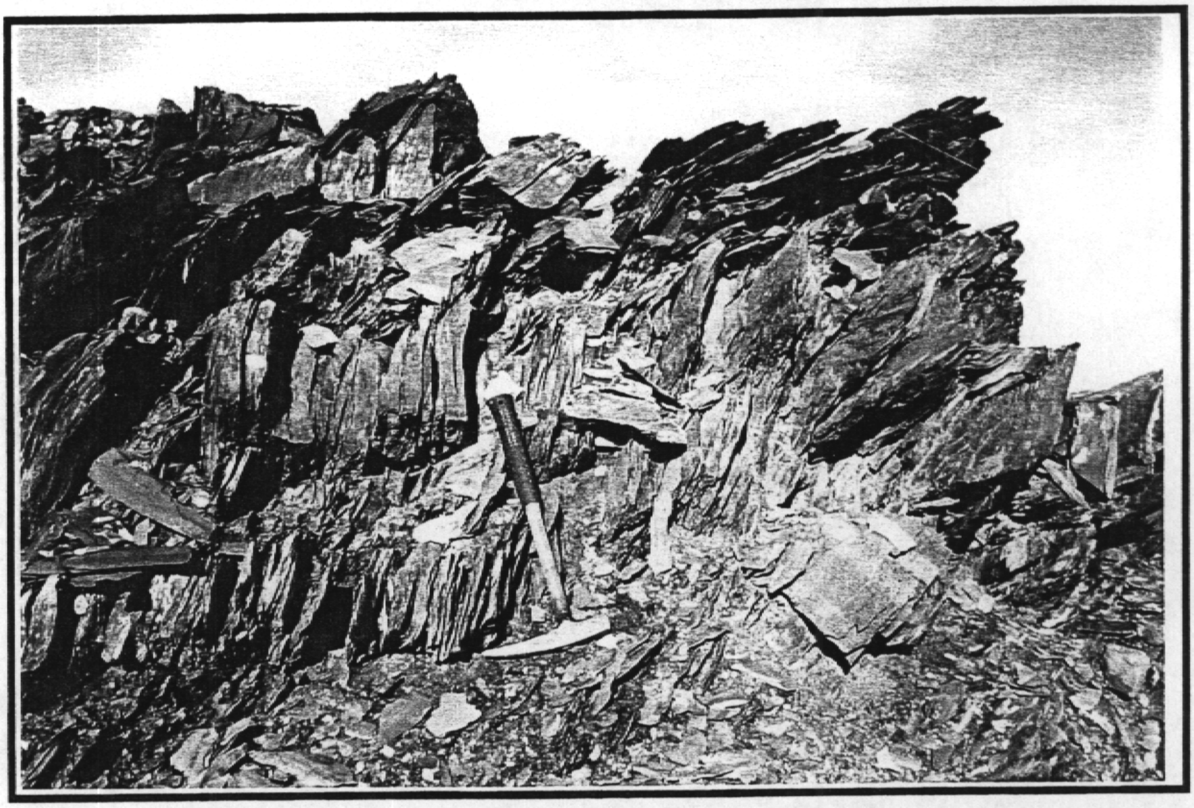


PHOTO 9.

A large discontinuous quartz 'pod' in schists.

A series of similar pods in a line parallell to the schistosity as well as the coarse grained nature of the host band indicates that these may have been one porous, continuous bed in the original stratigraphy and that this bed may have absorbed quartz before becoming 'dislocated' by sliding along the foliation and forming a series of quartz bearing 'boudins'.

Although sulphides were present in this rock, no economic mineralization was detected (no Cu Pb Zn Ag Au values). This may indicate that the event responsible for the formation of quartz veins in the area was not the same event which was responsible for the introduction of economic mineralization.



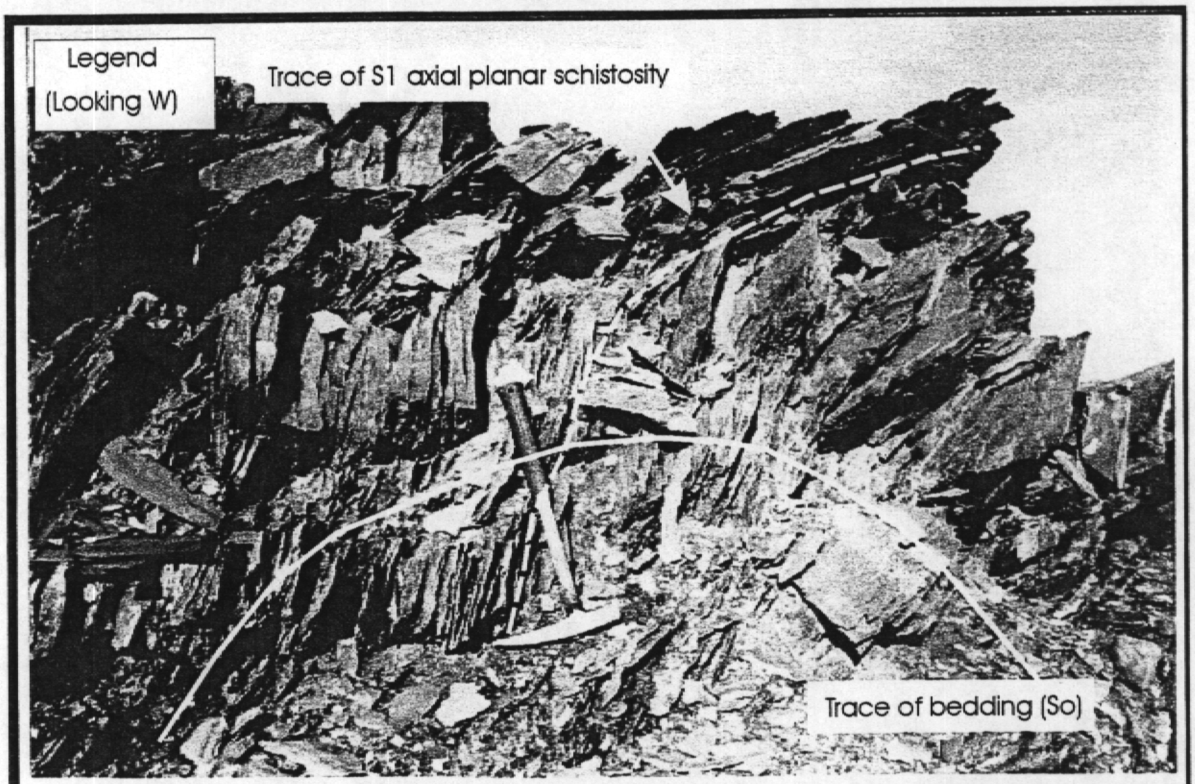
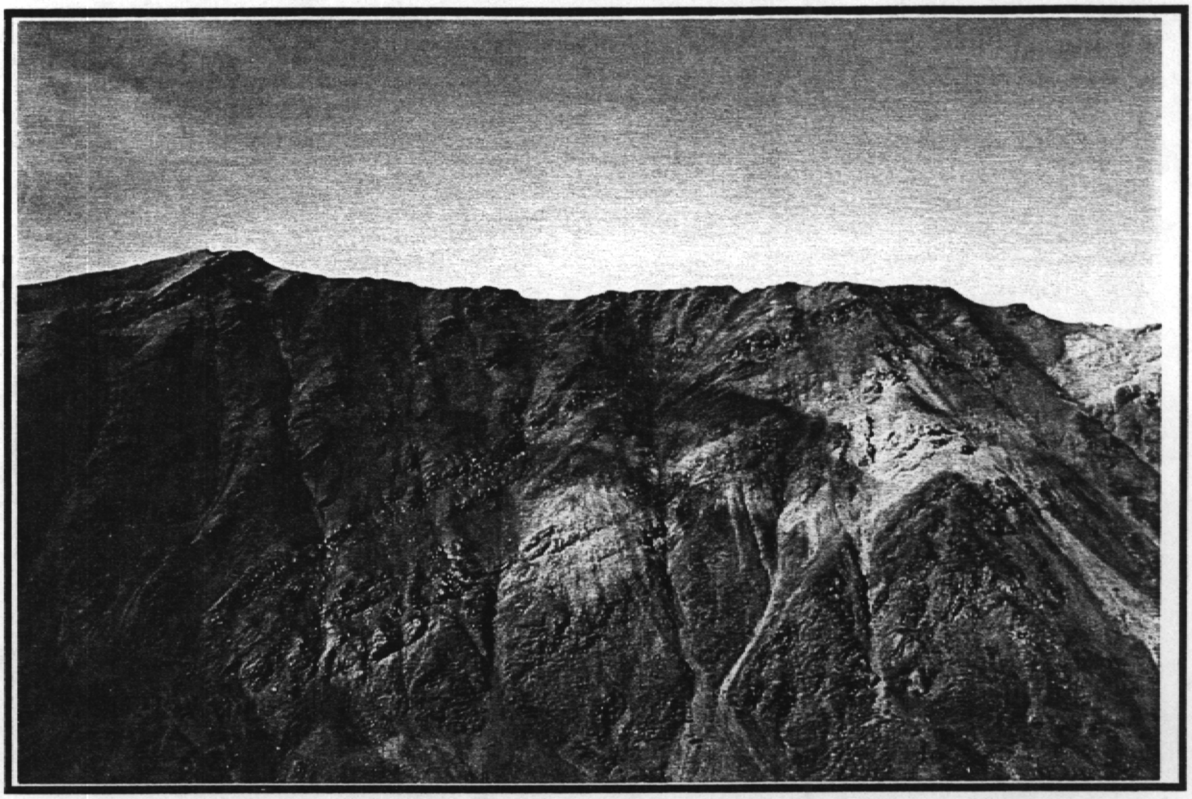


PHOTO 10.

Complex fold form in schists. The trace of bedding outlines the closure of a tight anticlinal fold nose with its associated axial planar cleavage or schistosity (S1).

The axial planar schistosity S1 then describes another fold form which has been superimposed over the original fold. In this case, the second fold form is not complete enough to outline the geometry of the second fold, on top of being located close to the fold axis of the third fold which is oriented north-south.



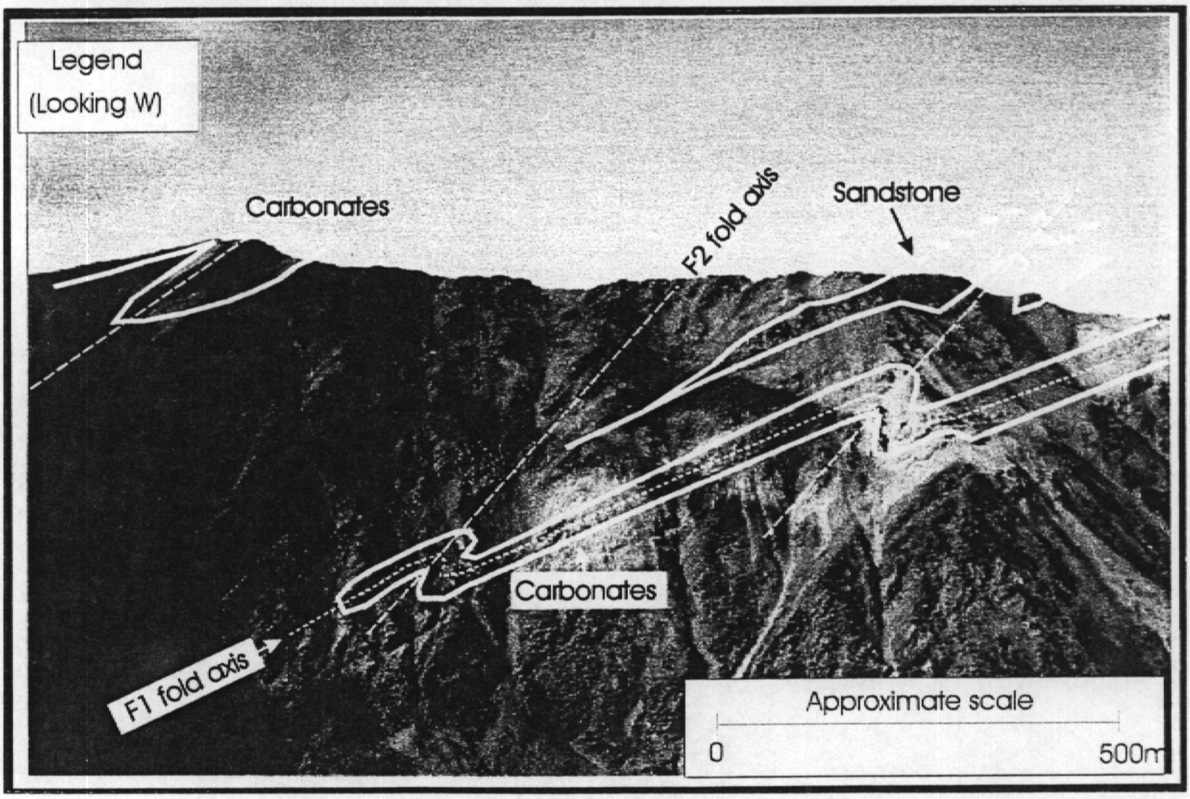


PHOTO 11.

Large scale example of complex fold forms. The carbonate unit at the center describes a tight (closed) F1 fold which is later refolded by F2. Furthermore, the ridge viewed here from the east is a north-south anticlinal fold axis.

It is very likely that the carbonate unit to the left of the picture is related to the center unit by a larger anticlinal form. The higher energy type lithologies such as sandstones/conglomerates are seen in this 'cross section' as having poor lateral continuity.

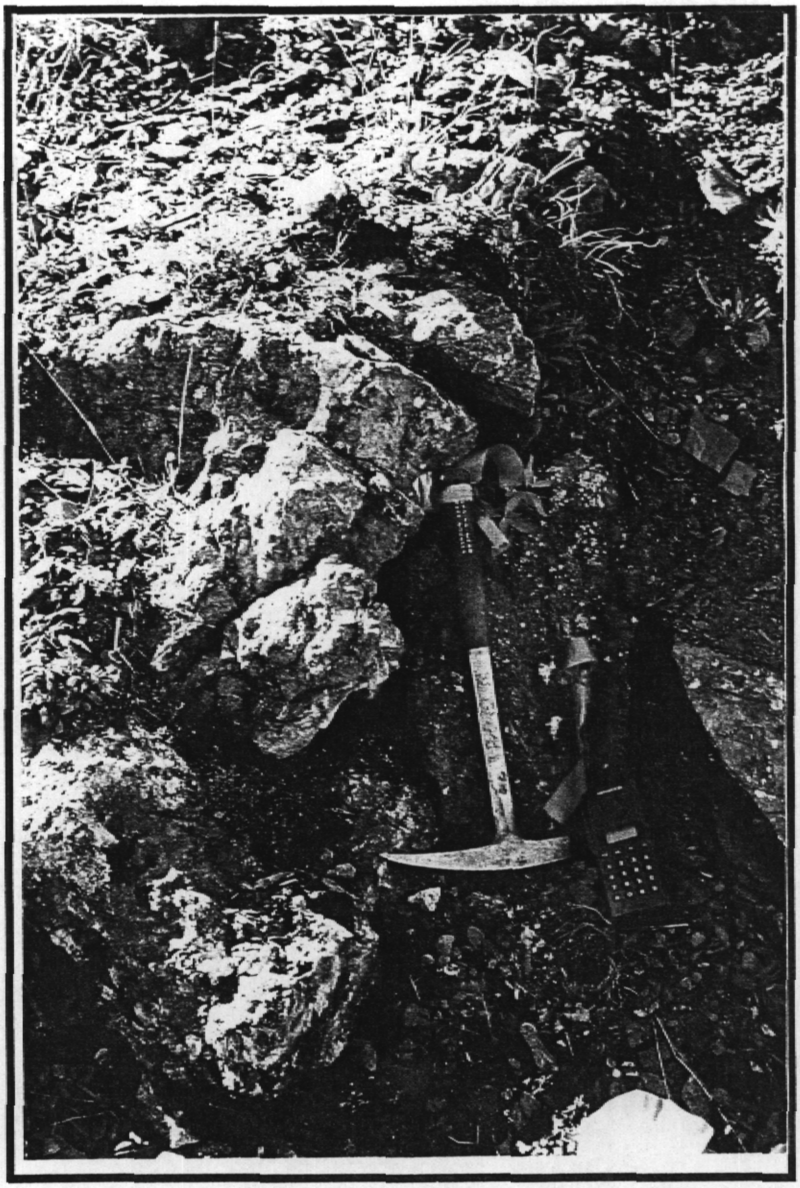
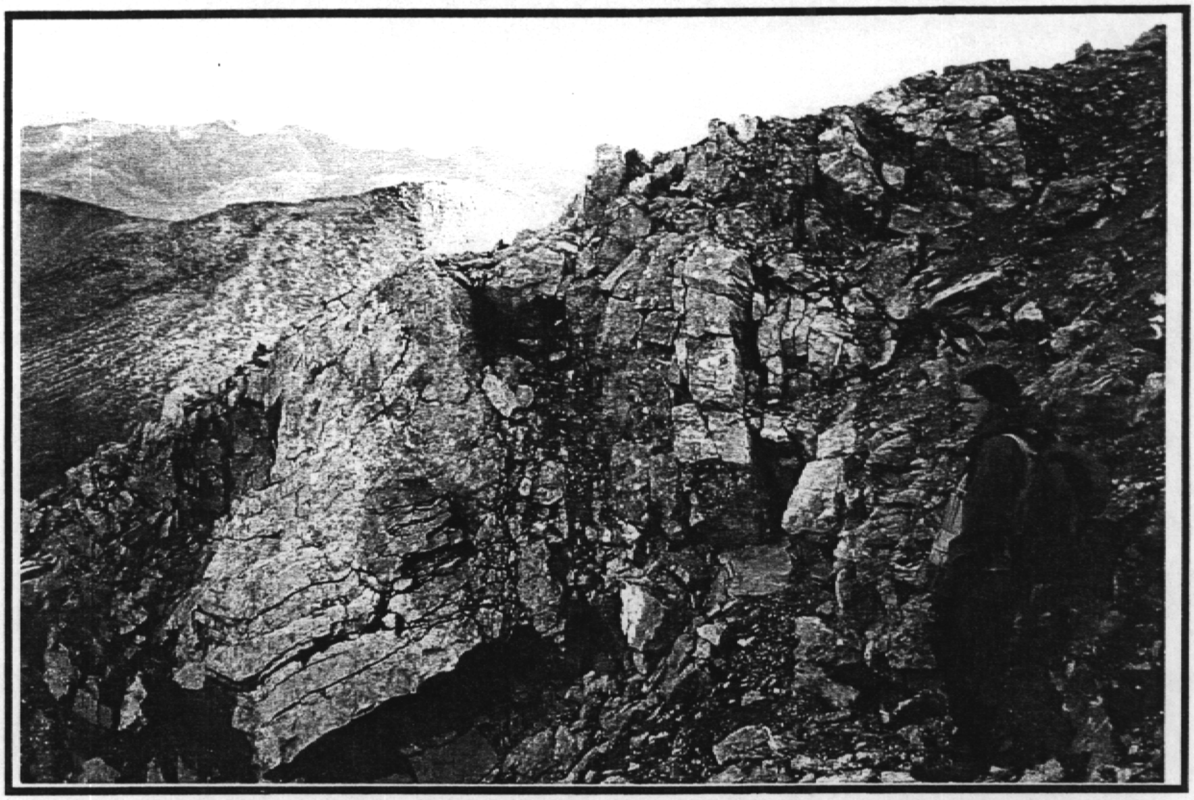


PHOTO 12.

Small quartz filled steeply dipping north-south fracture in coarse siltstone schists. The quartz in these fracture,s which are axial planar to the third folding event, is white, milky with abundant crystal lined vugs.

The presence of abundant clear quartz crystals attests to the circulation of quartz rich fluids in open spaces and slow crystallization rates.

Whatever the nature of this folding event, it created pathways for fluid circulation and possibly ore deposition in the more reactive carbonate rocks. Elevated Ba (1680ppm) and Cu (156 ppm) could indicate that the silica-bearing fluids may have been introduced by a buried intrusive stock.



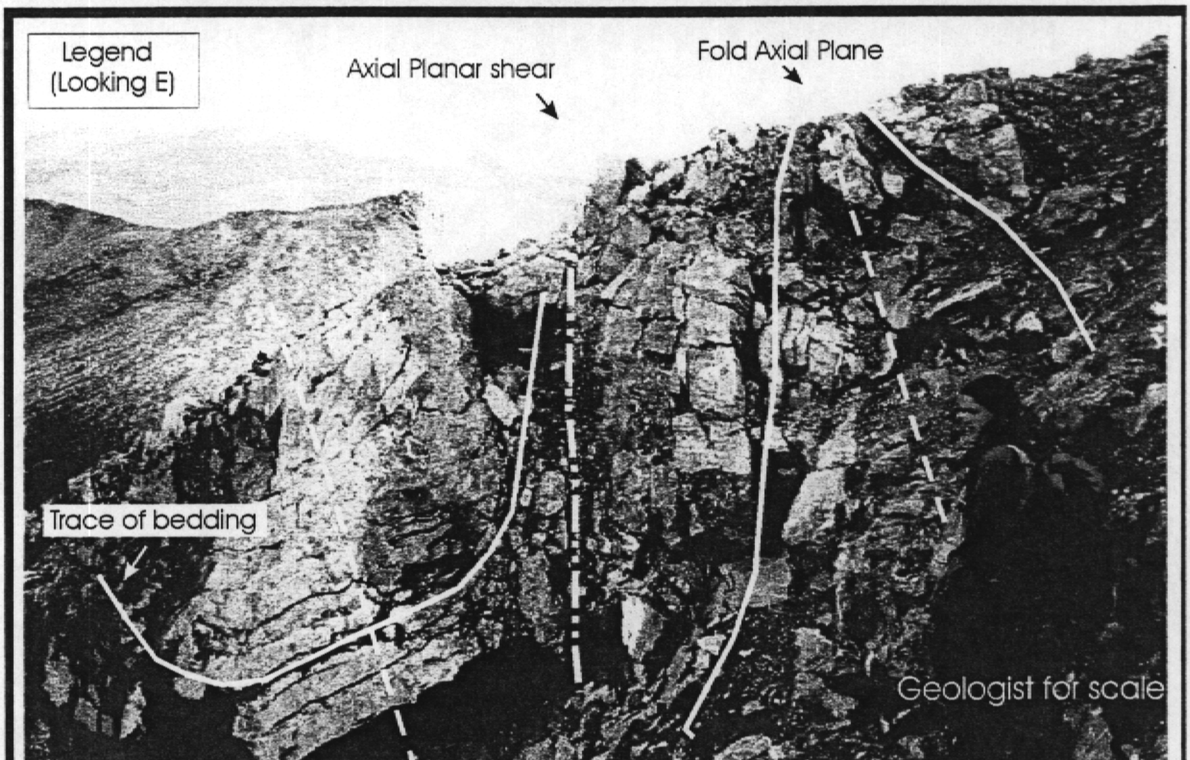
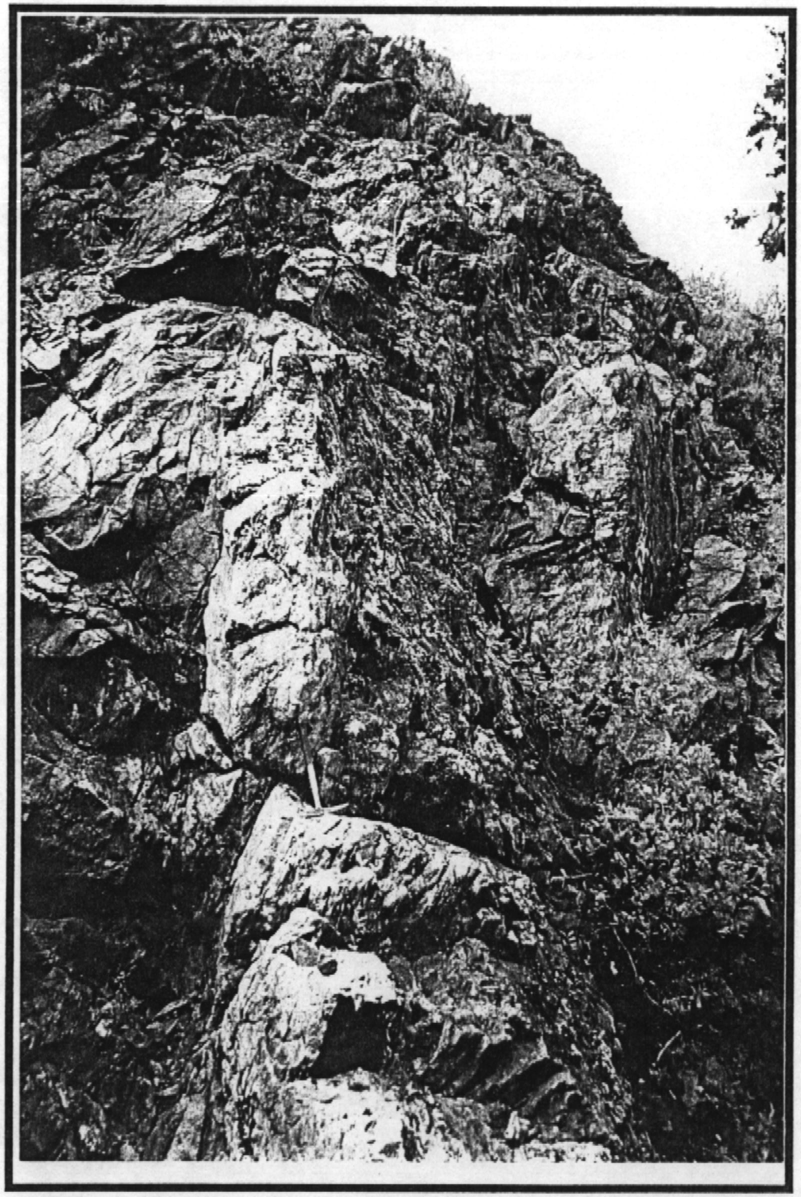


PHOTO 13.

Small scale axial planar shearing feature. As stress exceeds the limit of these bedded carbonates to deform in a ductile manner, small scale shearing occurs parrallell to the fold axis.

Displacement in this case is essentially of a few meters at most, and is considered negligible in a regional geological sense. Although rocks are discoloured near the shear zone, no mineralization was observed associated to this particular event. Such shearing would probably not occur in the even more ductile sediments (siltstones, mudstones..).



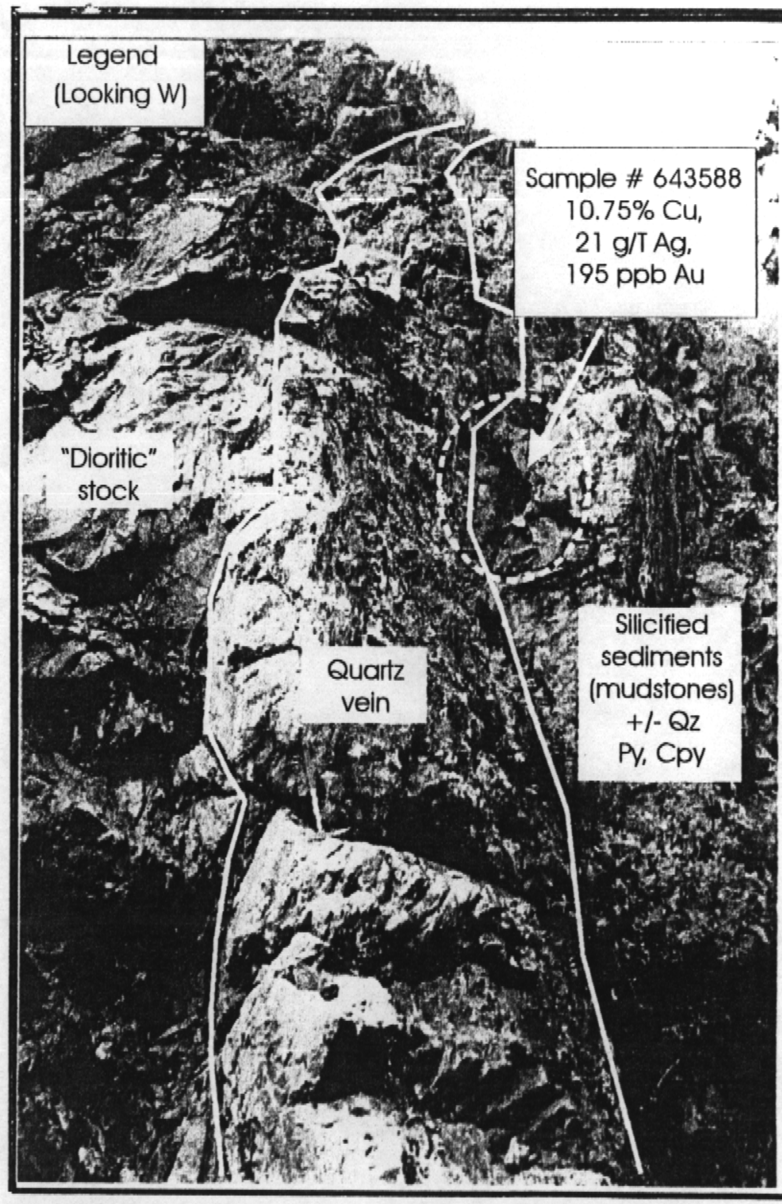


PHOTO 14.

Mineralized contact zone between a dioritic (?) plug and host fine grained, black mudstones. Sulphides occur in shears and veins within the intrusion as well as in the contact itself.

Sulphide bearing veins in the intrusion returned values of 1.75, 2.37 and 1.55% Cu with silver values up to 32 g/T. Gold is also anomalous. This outcrop, found in a creek, is located approximately 1.5 Km from the old Prism camp and is probably part of a larger intrusive which can be seen outcropping to the north and west of this occurrence. Similar rocks outcrop just south of Rusty Mountain but their relationship to this intrusion cannot be established due to the lack of consistent data (insufficient mapping).

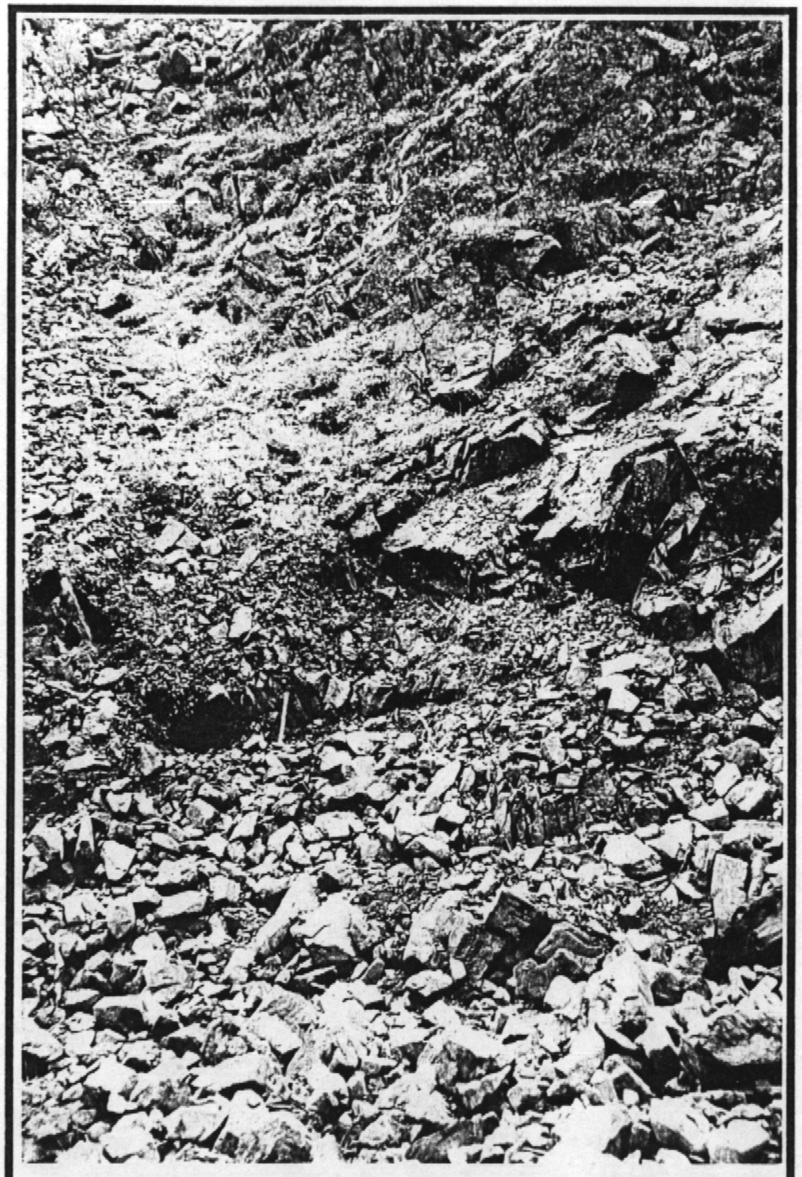


PHOTO 15.

Another diorite-sediment contact approximately 8 Km north of Rusty Mountain. In this case, the intrusive sheet is approximately 200 meters thick and can be followed in outcrop over 3 kilometers in length. It's attitude is complex as it is sometimes comformable but in other areas it is seen to cut stratigraphy. This sheet is part of a much larger intrusive complex, visible to the north and west and which is indicated on the regional map sheet to be Cretaceous in age.

This area, which is located across the Rackla River and North of Rusty Mountain, is geochemically the most anomalous of the region. The origin of these anomalies has not yet been found. It is suggested that most of the mineralization is associated with this intrusive complex.

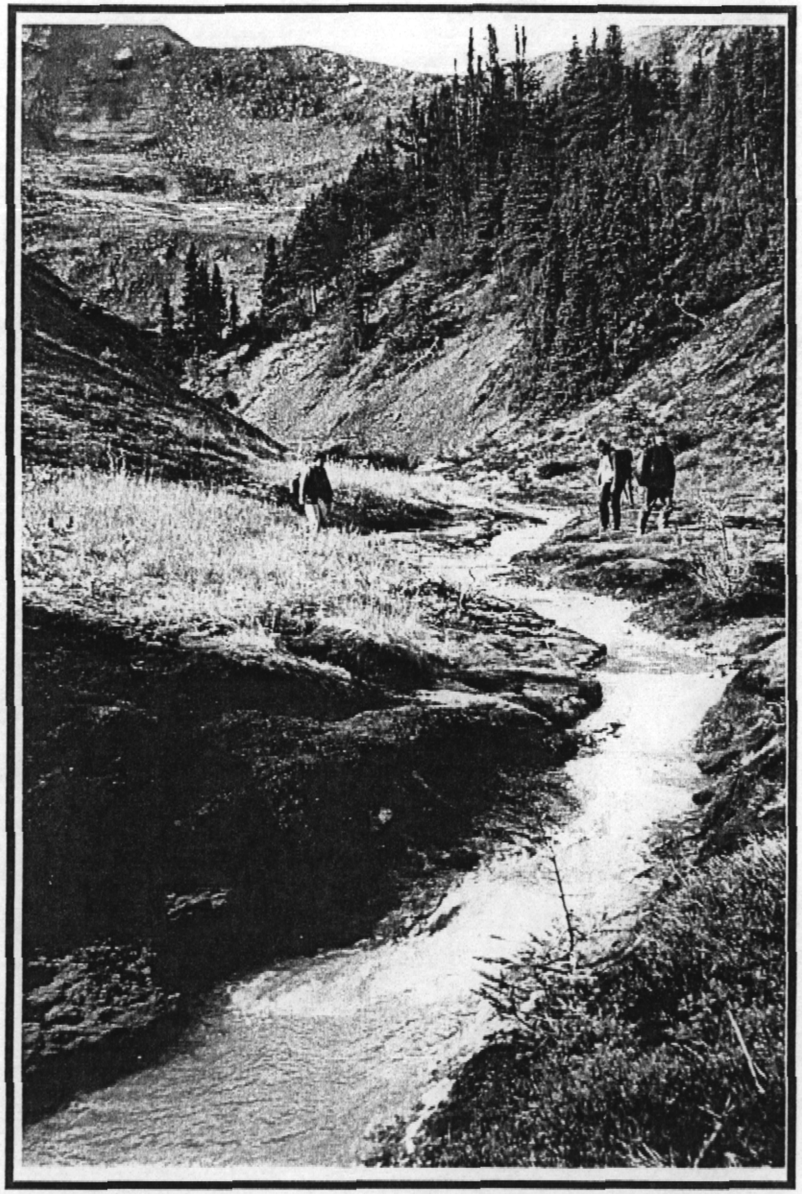


PHOTO 16 a & b.

Photos of the gossanous creeks located south and east of the Nadaleen claim block. Iron oxide rich runoff as well as thick deposits of ferricrete characterize these creeks which all occur in mudstone/chert sequences. Sulphide bearing rocks (Py) have been observed at all of these occurences and it is believed that the waters responsible for the ferricrete deposition have traversed zones of oxydizing semi-massive to massive sulphides related to 1) sedimentary exhalative deposits or 2) zones of sulphides associated to intrusive stocks or sheets.

As sulphide rich beds or pods are leached, it becomes extremely difficult to sample any of the original mineralization responsible for these features at surface, therefore the potential for these to carry 'economic' type mineralization remains essentially untested.

APPENDIX 2

Airborne survey proposal

MCK YUK-1 Proposed airborne geophysical survey.

Methodology: Helicopter flown Radiometrics, Magnetics and EM survey at 250 meter line spacing along priority areas and 500 meters line spacing in regional reconnaissance blocks (see accompanying maps).

Objectives: Provide data over a wide area which once correlated with known geology should allow for the establishment of a regional scale geological map.

Identify stratigraphic horizons favorable to the presence of mineralization and their distribution.

Map the intrusive rocks as well as the intermediate to felsic volcanic packages present on and around the properties, both of which may be significant engines or hosts to economic mineralization.

Identify important occurrences of conductive materials such as massive sulphides. Identified existing deposits (Val, Vera, Craig…) will give us standards to interpret the new data. Significant VMS, Sedex and zones of sulphides associated to intrusives should be detected by EM methods.

Prioritize areas (regionally) for further ground follow-up (prospecting, mapping, sampling).

Discussion: Since the area has undergone repeated exploration efforts concentrated in only small areas, most of this ground can be considered to be essentially unexplored. The geological environment is however extremely conducive to the discovery of further mineralization, especially if VMS or Sedex type mineralization can be found (these deposits usually occur in clusters in the right environments).

Since the target size of deposits in the area is relatively small (horizons/veins are few 100's of meters by 3-15 meters in thickness), vegetation cover is still quite extensive (40-50%) and the terrain is rugged, it is unrealistic to think that it can be adequately mapped and prospected in a reasonable amount of time (few seasons). Regional airborne data, interpreted with the litho-structural data already available, will enable us to target specific areas where follow up is justified.

Areas of priority.

Block 1 & 2: Nadaleen Range and Rusty Mountain areas.

These are areas of immediate interest where mineralization (Ag, Pb, Zn, Cu, Au) is known to occur. No information available to date has allowed for the explanation of the distribution or mode of emplacement of the Rusty Mountain area occurrences. A better understanding of the area's geology seems crucial in the effort to expand the known zones of mineralization.

New lithological units as well as new types of mineralization found in the Nadaleen Range indicates that a reinterpretation of that area's geology is needed. Regional data would be of enormous help in identifying the extent of the favorable rock packages found identified this last field season and would help maximizing further work efforts

Blocks 3 & 4: North Rusty Mountain and Nadaleen regional.

The North Rusty Mountain area is underlain by an important complex of intrusive domes, dykes and sills with locally extremely anomalous stream sediment values. Samples taken near the intrusives this summer have returned anomalous Cu, Au, Pb, Zn and Ag values. This environment definitely needs more ground work which would be greatly enhanced by airborne geophysical coverage. The possibility of finding massive sulphide bodies carrying ore-grade mineralization in this environment is considered extremely high.

The Nadaleen regional block would allow for coverage and data generation outside of know zones of mineralization where there are indications of possible VMS and/or sedex type deposits (large chert formations, volcanic rocks, gossans). It is also thought at this time that the felsic volcanic package extends to the west. It should be noted that a pollymetallic VMS type deposit (Marg Cu-Pb-Zn-Pb-Ag-Au deposit) has been identified approximately 50 kilometers to the west of the Nadaleen claims. Should volcanic rocks extend from that deposit to the Nad claims, the potential for the discovery of additional deposits is high. Sulphide bearing horizons should be good targets for EM detection. Potassium alteration, which is commonly associated with these deposits, is also a good indicator that would be picked up by radiometrics.

Block 5: West block.

This block covers ground considered favorable to the presence of VMS or Sedex type deposits (deep water sediments and cherts, important gossans). A survey of this area would also provide continuous data tying in the Nadaleen and Rusty Mountain areas, allowing for an evaluation of how the respective areas fit together geologically.

Anomalous values in Au, Cu, Pb, Zn, Ag as well as Mo, As, Ba, Co, Ni, V, Cd, P, Be, from the stream sed program as well as the presence of a gossanous creek in this area makes it a good candidate to host VMS type mineralization. It should be noted that the anomalies in the stream sediment results are some of the highest in the program and that their distribution covers an area which is larger than at any other of the known showings in the vicinity. Mineralization reported from previous work on these claims is highly unlikely to be the cause of the widespread multi-element geochemical anomalies observed in that area.

Timing. The survey should be carried out after snowmelt, probably by early June. Snow cover will inhibit radiometric readings which will be important in mapping the intrusives, the volcanic suites as well as alteration associated with possible mineralization. Field plots of the preliminary data will be necessary to guide the field work.

Estimated cost of survey.

A review of prices for helicopter based surveys from the NWT to British Columbia gave a range of $30 to $88 per line kilometer. In consideration of the survey's size and the facilities available on site (landing strips, 2 camps, plane-flown fuel…) a figure of $50 per line km is considered an acceptable reference. Should the survey be approved in principle, a quote will be requested from various operators.

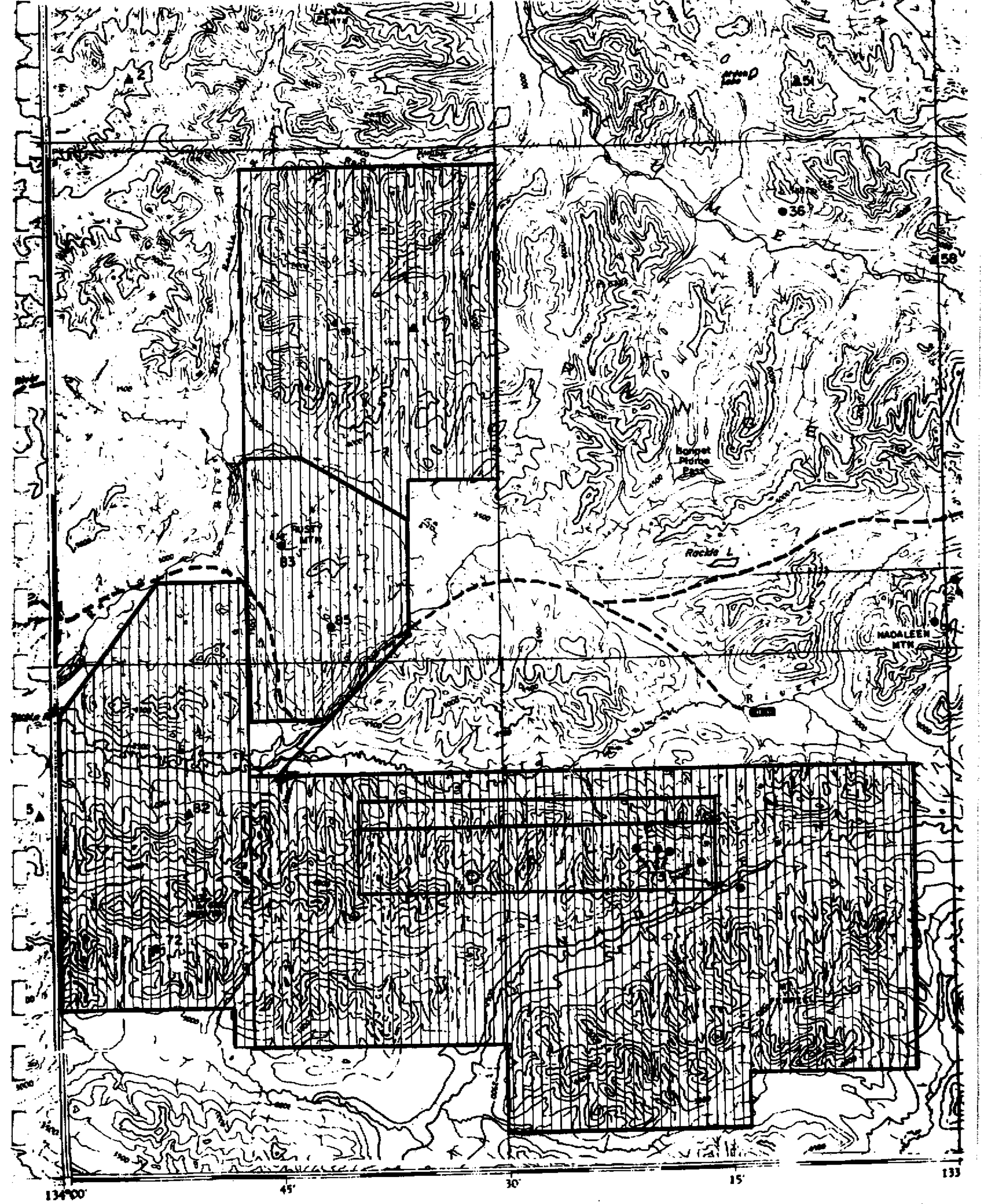
Highest priority: blocks 1 & 2, 825 L.Km @ $50	sub total:	$41,250
Regional work: blocks 3& 4, 1 531 L.Km @ $50	sub total:	$76,550
West block: 450 L.Km @ $50	sub total:	$22,500

Survey costs:	$140,300.

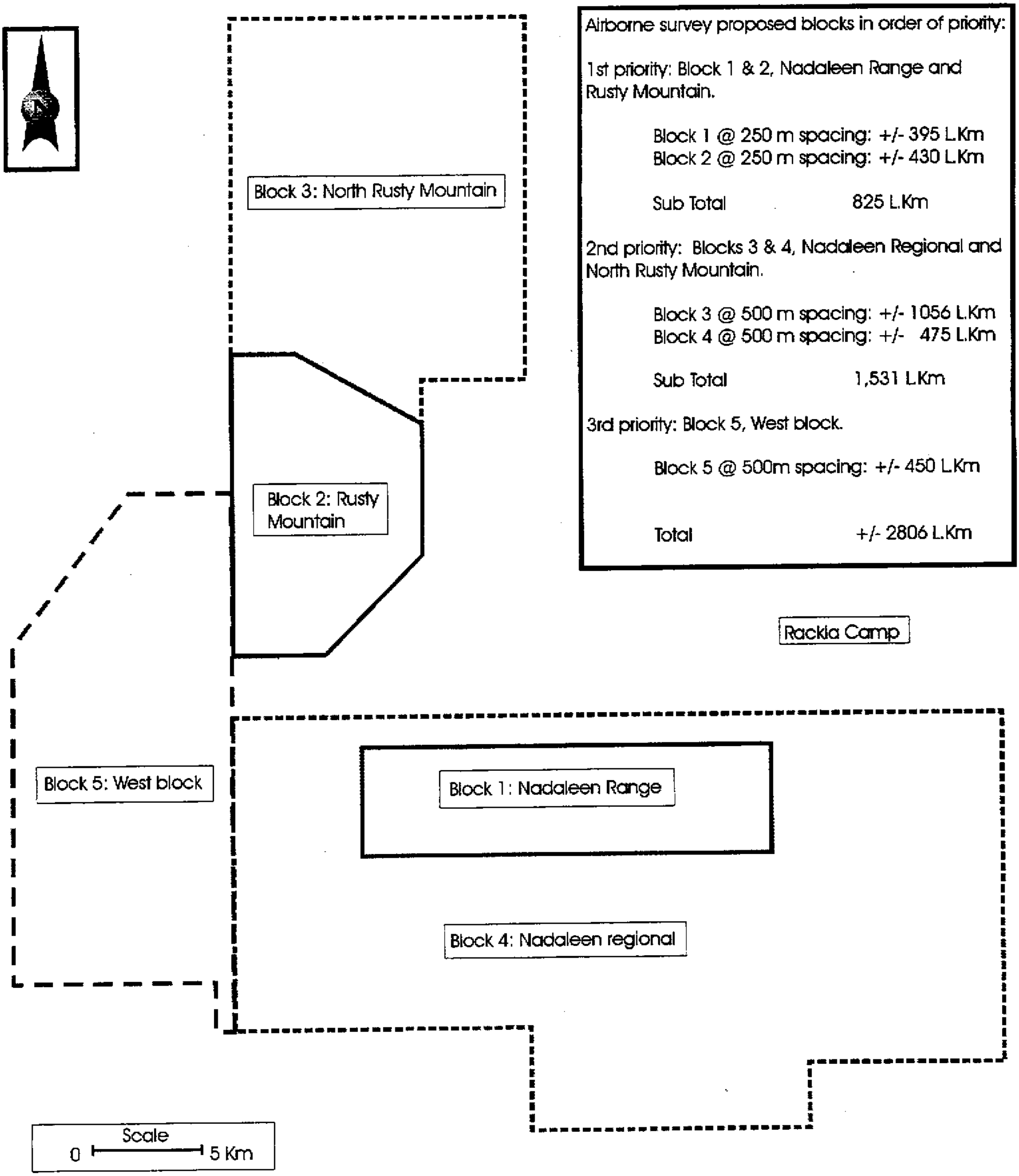
Associated costs:

Mob/Demob	$15,000.00
Food/camp costs 5 days x 3 people x 100/d/person	$ 1,500.00
Fuel	$ 7,000.00
Associated costs:	$23,500.00

Estimated cost for 2800 Line Km survey :	$163,800.00

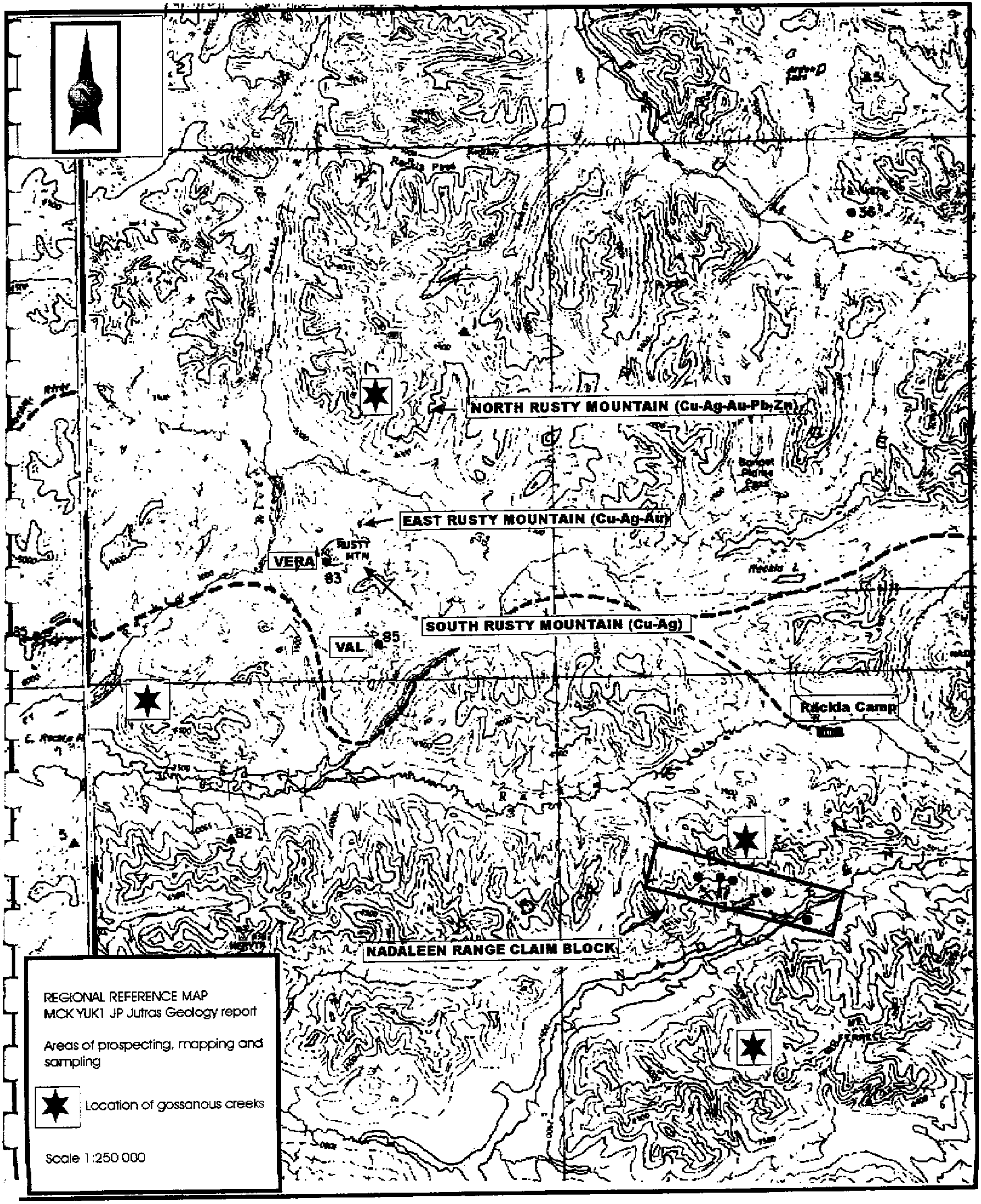


Bonnet Plume Pass
Rackla L
NADALEEN MTN
RUSTY MTN
River
134°00'
45'
30'
15'
133


Airborne survey proposed blocks in order of priority:
1st priority: Block 1 & 2, Nadaleen Range and Rusty Mountain.
Block 1 @ 250 m spacing: +/- 395 L.Km
Block 2 @ 250 m spacing: +/- 430 L.Km
Sub Total 825 L.Km
2nd priority: Blocks 3 & 4, Nadaleen Regional and North Rusty Mountain.
Block 3 @ 500 m spacing: +/- 1056 L.Km
Block 4 @ 500 m spacing: +/- 475 L.Km
Sub Total 1,531 L.Km
3rd priority: Block 5, West block.
Block 5 @ 500m spacing: +/- 450 L.Km
Total +/- 2806 L.Km
Block 3: North Rusty Mountain
Block 2: Rusty Mountain
Rackla Camp
Block 5: West block
Block 1: Nadaleen Range
Block 4: Nadaleen regional
Scale
0
5 Km

APPENDIX 3

1:250 000 scale location map


NORTH RUSTY MOUNTAIN (Cu-Ag-Au-Pb,Zn)
EAST RUSTY MOUNTAIN (Cu-Ag-Au)
VERA
RUSTY MTN
83
SOUTH RUSTY MOUNTAIN (Cu-Ag)
VAL
85
Rackla Camp
82
NADALEEN RANGE CLAIM BLOCK
36
REGIONAL REFERENCE MAP
MCK YUK1 JP Jutras Geology report
Areas of prospecting, mapping and sampling
Location of gossanous creeks
Scale 1:250 000

<u>APPENDIX 4</u>

Sample locations and assay results

Sample #	UTM NAD 27 E	UTM NAD27 N	Au (ppb)	Ag (ppm)	Al (%)	As (ppm)	Ba (ppm)	Ca (%)	Cd (ppm)	Co (ppm)	Cr (ppm)	Cu (ppm)	Fe (%)	Hg (ppm)	K (%)	La (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)
643501	579060	7115227	15	<.2	0.13	<2	<10	2.08	<.5	65	291	4	2.57	<1	<.01	<10	>15.00	615	<1
643502	579058	7115240	<5	<.2	0.26	<2	<10	3.56	<.5	68	443	8	2.63	<1	<.01	<10	>15.00	735	<1
643503	579045	7115235	<5	<.2	0.31	4	<10	1.74	<.5	73	517	5	2.67	<1	<.01	<10	>15.00	645	<1
643504	579038	7115315	<5	<.2	0.05	<2	1680	6.62	<.5	24	208	156	1.21	<1	<.01	<10	3.84	520	1
643505	579115	7115183	10	<.2	0.18	2	30	4.65	<.5	75	450	1	3.81	<1	<.01	<10	3.2	970	1
643506	579050	7115040	<5	<.2	0.36	<2	30	0.07	<.5	39	841	7	0.89	<1	<.01	<10	0.72	80	<1
643507	579225	7114535	<5	<.2	0.14	234	220	2.8	<.5	60	338	12	5.35	2	0.01	<10	6.55	550	<1
643508	579635	7114825	15	<.2	0.04	<2	10	9.21	0.5	3	141	6	0.49	<1	0.01	<10	5.55	235	1
643509	578245	7115018	<5	<.2	0.41	<2	10	2.11	<.5	79	697	<1	3.4	<1	<.01	<10	>15.00	455	2
643510	578213	7115005	<5	<.2	0.48	<2	20	3.73	<.5	76	714	1	3.14	<1	<.01	<10	13.75	750	<1
643511	578465	7114805	<5	<.2	0.55	<2	<10	0.04	<.5	93	644	12	4.07	<1	<.01	<10	>15.00	315	<1
643512	578466	7114805	<5	<.2	4.34	<2	<10	0.07	<.5	52	1630	20	3.1	<1	<.01	<10	14.35	1345	<1
643513	578382	7114810	<5	<.2	0.24	<2	<10	0.11	<.5	98	710	6	3.75	<1	<.01	<10	>15.00	655	<1
643514	578380	7114823	<5	<.2	0.77	<2	<10	0.34	<.5	87	873	11	3.85	<1	<.01	<10	>15.00	520	<1
643515	578355	7114816	<5	<.2	0.21	<2	<10	<.01	<.5	77	450	3	3.25	<1	<.01	<10	>15.00	450	<1
643516	578360	7114793	<5	<.2	0.51	<2	30	0.53	<.5	87	856	13	3.67	<1	<.01	<10	>15.00	515	<1
643517	578630	7114372	<5	<.2	2.85	16	360	0.17	<.5	24	54	129	4.67	<1	0.21	<10	1.1	2710	<1
643518	578635	7114372	<5	<.2	1.08	8	120	0.05	<.5	15	170	44	2.22	<1	0.06	<10	0.73	1980	10
643519	578535	7114543	<5	<.2	0.22	10	80	0.08	<.5	7	292	10	1.92	<1	0.02	<10	0.22	1650	<1
643520	578485	7114680	<5	<.2	0.31	2	30	0.09	<.5	114	942	16	4.11	<1	<.01	<10	>15.00	275	<1
643521	578755	7114795	<5	<.2	0.17	<2	<10	<.01	<.5	84	767	1	3.44	<1	<.01	<10	>15.00	655	<1
643522	578815	7114825	<5	<.2	0.3	<2	<10	1.02	<.5	89	857	<1	3.7	<1	<.01	<10	>15.00	325	<1
643523	578435	7114810	<5	<.2	0.2	<2	70	12.15	<.5	41	283	33	3.37	<1	<.01	<10	8.81	1010	<1
643524	578955	7115145	<5	<.2	0.12	<2	10	8.2	<.5	51	333	7	3.4	<1	<.01	<10	4.34	1000	<1
643525	578970	7115157	<5	<.2	0.18	6	130	1.44	<.5	71	534	<1	3.88	<1	<.01	<10	>15.00	510	<1
643526	579245	7114522	<5	0.2	0.23	6	250	10.25	<.5	33	629	29	2.3	<1	<.01	<10	6.11	570	<1
643527	578288	7114782	10	<.2	0.17	<2	130	3.63	<.5	70	571	6	4.59	<1	<.01	<10	2.79	1275	1
643528	578318	7114790	<5	<.2	0.42	6	90	1.19	<.5	88	384	19	3.01	<1	<.01	<10	1.88	380	1
643529	580360	7114922	<5	<.2	0.07	<2	10	3.76	<.5	1	135	12	0.86	<1	0.04	<10	0.17	525	3
643530	580360	7114922	<5	<.2	0.08	10	10	2.68	<.5	1	139	12	0.68	<1	0.04	<10	0.14	385	1
643531	580360	7114860	<5	<.2	0.15	32	60	0.06	<.5	11	170	9	2.96	<1	0.03	<10	0.01	180	1
643532	580185	7114733	<5	<.2	5.4	2	230	1.54	<.5	49	147	3	10.2	<1	0.04	<10	1.85	1250	10
643533	579970	7114455	<5	<.2	0.23	<2	30	3.15	<.5	4	90	3	1.07	<1	0.09	<10	1.03	870	1
643534	579915	7114510	<5	<.2	0.01	<2	60	0.76	<.5	1	201	5	0.29	<1	<.01	<10	0.49	190	4
643535	579920	7114490	<5	<.2	0.16	8	10	5.55	<.5	4	152	7	0.68	<1	0.02	<10	3.43	890	4
643536	579935	7114478	<5	<.2	0.04	<2	10	4.13	<.5	1	160	7	0.32	<1	0.01	<10	2.67	75	8
643537	579955	7114455	<5	<.2	0.03	<2	<10	3.37	<.5	1	160	4	0.47	<1	<.01	<10	2.08	250	4
643538	579890	7114370	<5	<.2	0.12	10	60	7.05	<.5	246	291	52	2.13	<1	<.01	<10	5.02	530	<1
643539	579863	7114110	10	<.2	0.07	<2	90	0.01	<.5	<1	87	3	0.33	<1	0.03	<10	0.01	5	<1
643540	580005	7114422	20370	0.4	0.03	52	10	0.18	10.5	853	121	10400	>15.00	<1	<.01	<10	0.27	45	9
643541	580005	7114423	8300	0.2	0.05	76	10	2.87	11	1565	115	16000	>15.00	<1	<.01	<10	1.53	360	3
643542	580225	7114685	10	<.2	2.23	8	110	0.78	<.5	14	87	116	5.25	<1	0.09	40	2.5	550	3
643543	583787	7104477	70	0.4	0.27	66	690	<.01	<.5	1	27	99	7.17	4	0.08	<10	0.01	5	18
643544	583739	7104458	55	<.2	0.18	20	340	0.54	0.5	10	173	524	1.36	<1	0.11	<10	0.22	115	1
643545	583779	7104506	25	<.2	0.66	6	550	0.02	<.5	12	145	82	2.86	<1	<.01	<10	0.31	>10000	<1
643546	583530	7104590	25	<.2	0.62	10	530	0.02	<.5	10	146	55	1.51	<1	0.05	<10	0.39	1395	1
643547	583530	7104628	<5	<.2	0.13	18	290	0.17	<.5	2	189	24	1.15	<1	0.06	<10	0.07	85	2
643548	583530	7104659	<5	<.2	0.59	6	80	<.01	<.5	9	163	21	1.55	<1	0.03	<10	0.25	3850	1
643549	580995	7114346	<5	<.2	0.42	8	1060	7.26	<.5	84	1015	30	3.05	<1	<.01	<10	3.87	995	1
643550	581035	7114280	20	<.2	0.15	<2	10	10.65	<.5	41	353	9	1.81	<1	<.01	<10	6.01	730	<1
643551	581042	7114215	<5	<.2	1.34	<2	80	6.65	<.5	32	203	23	2.34	<1	0.1	<10	4.5	665	<1
643552	581025	7114100	<5	<.2	0.17	<2	110	7.74	<.5	5	81	30	3.02	<1	0.03	<10	3.71	2590	1
643553	581015	7113985	<5	<.2	0.27	8	30	0.11	<.5	80	877	12	3.72	<1	<.01	<10	>15.00	550	<1
643554	580150	7115075	<5	2	0.04	12	40	7.64	21.5	<1	115	8	0.61	<1	0.01	<10	4.39	590	1

Sample #	Na (%)	Ni (ppm)	P (ppm)	Pb (ppm)	Sb (ppm)	Sc (ppm)	Sr (ppm)	Ti (%)	V (ppm)	Zn (ppm)	AREA (Claims)	Rock type
643501	<.01	1490	Intf*	<2	<2	3	53	<.01	5	30	Nad-Craig	serpentinite'
643502	<.01	1285	Intf*	<2	2	3	145	<.01	9	26	Nad-Craig	serpentinite'
643503	<.01	1380	Intf*	2	<2	4	75	<.01	10	24	Nad-Craig	serpentinite'
643504	<.01	216	<10	<2	<2	1	146	<.01	4	10	Nad-Craig	Quartz vein (F3?)
643505	<.01	439	<10	4	<2	3	126	<.01	9	16	Nad-Craig	Schists (qz pebble congl +/- sulph)
643506	<.01	265	90	<2	<2	1	3	<.01	14	10	Nad-Craig	Tectonite
643507	<.01	760	<10	<2	2	6	98	<.01	11	44	Nad-Craig	Tectonite
643508	<.01	47	90	<2	<2	<1	39	<.01	24	22	Nad-Craig	Limestone +/- silica glass (sinter)
643509	<.01	1375	Intf*	<2	<2	5	45	<.01	12	30	Nad-Craig	serpentinite'
643510	<.01	1360	<10	<2	<2	5	67	<.01	12	30	Nad-Craig	serpentinite'
643511	<.01	1585	Intf*	<2	<2	4	<1	0.01	15	48	Nad-Craig	serpentinite'
643512	<.01	729	<10	<2	<2	20	3	0.04	116	36	Nad-Craig	serpentinite'
643513	<.01	1755	Intf*	<2	<2	5	1	<.01	12	32	Nad-Craig	serpentinite'
643514	<.01	1520	Intf*	2	<2	7	8	0.01	25	36	Nad-Craig	serpentinite'
643515	<.01	1465	Intf*	<2	<2	4	<1	<.01	10	18	Nad-Craig	serpentinite'
643516	<.01	1515	Intf*	<2	<2	6	4	<.01	16	32	Nad-Craig	serpentinite'
643517	0.05	54	200	10	<2	5	22	<.01	21	94	Nad-Craig	Schists (Sltst + chert)
643518	0.01	29	120	304	<2	1	7	<.01	13	42	Nad-Craig	Schists (Sltst + chert)
643519	<.01	22	60	26	<2	1	10	<.01	6	30	Nad-Craig	Quartz vein (F1)
643520	<.01	2000	Intf*	2	2	5	4	<.01	14	32	Nad-Craig	serpentinite'
643521	<.01	1760	Intf*	<2	<2	4	<1	<.01	10	38	Nad-Craig	serpentinite'
643522	<.01	1665	Intf*	<2	<2	5	36	<.01	13	26	Nad-Craig	serpentinite'
643523	<.01	603	10	<2	2	7	267	<.01	13	28	Nad-Craig	serpentinite' breccia
643524	<.01	859	<10	2	<2	5	123	<.01	13	12	Nad-Craig	Tectonite
643525	<.01	1655	Intf*	<2	<2	4	40	<.01	12	32	Nad-Craig	serpentinite'
643526	<.01	497	<10	<2	<2	4	647	<.01	11	24	Nad-Craig	Tectonite
643527	<.01	761	10	<2	<2	5	83	<.01	14	30	Nad-Craig	serpentinite' ?
643528	<.01	786	<10	<2	<2	3	25	<.01	13	14	Nad-Craig	serpentinite' ?
643529	<.01	4	200	8	<2	<1	546	<.01	1	18	Nad-Craig	Quartz vein (F1)
643530	<.01	5	150	8	<2	<1	348	<.01	1	14	Nad-Craig	Quartz vein (F1)
643531	<.01	17	100	12	<2	<1	25	<.01	6	14	Nad-Craig	Schists (sst +/- Py)
643532	0.01	115	860	20	<2	12	91	<.01	109	214	Nad-Craig	Schists (sltst +/- py)
643533	0.01	7	80	<2	<2	1	75	<.01	4	14	Nad-Craig	Schists (sst +/-Qz+/-Py)
643534	<.01	6	<10	<2	<2	<1	6	<.01	5	2	Nad-Craig	Limestone +/- silica glass (sinter)
643535	<.01	18	50	<2	<2	<1	49	<.01	25	14	Nad-Craig	Limestone +/- silica glass (sinter)
643536	<.01	9	10	92	<2	<1	31	<.01	46	10	Nad-Craig	Limestone +/- silica glass (sinter)
643537	<.01	5	20	<2	<2	<1	67	<.01	12	8	Nad-Craig	Limestone +/- silica glass (sinter)
643538	<.01	3630	<10	<2	<2	1	421	<.01	2	36	Nad-Craig	Tectonite
643539	<.01	8	30	<2	<2	<1	6	<.01	1	<2	Nad-Craig	Chert (massive, grey)
643540	0.01	3330	Intf*	140	<2	<1	1	<.01	<1	220	Nad-Craig	Sulphides in "ferrodolomite"
643541	0.01	5680	Intf*	112	2	<1	27	<.01	<1	188	Nad-Craig	Sulphides in "ferrodolomite"
643542	0.05	40	460	42	<2	10	72	0.15	71	114	Nad-Craig	Chert (finely laminated, apple green)
643543	<.01	8	530	<2	6	<1	38	<.01	215	60	"Red Ck" SE of NAD	Schists/Cherts +/- sulphides+/-Limonite
643544	<.01	43	110	10	<2	2	24	<.01	8	16	"Red Ck" SE of NAD	Schists/Cherts +/- sulphides+/-Limonite
643545	<.01	11	90	2	<2	4	8	<.01	22	60	"Red Ck" SE of NAD	Schists/Cherts +/- sulphides+/-Limonite
643546	<.01	16	150	<2	<2	<1	8	<.01	27	52	"Red Ck" SE of NAD	Schists/Cherts +/- sulphides+/-Limonite
643547	<.01	13	190	6	<2	<1	10	<.01	21	28	"Red Ck" SE of NAD	Schists/Cherts +/- sulphides+/-Limonite
643548	<.01	7	100	12	<2	<1	5	<.01	11	32	"Red Ck" SE of NAD	Schists/Cherts +/- sulphides+/-Limonite
643549	<.01	1390	<10	2	<2	7	192	<.01	18	28	Nad-Craig	"ferrodolomite"
643550	<.01	1070	30	<2	<2	3	162	<.01	5	40	Nad-Craig	"ferrodolomite" pod in schists
643551	<.01	549	40	<2	<2	3	169	<.01	8	38	Nad-Craig	"ferrodolomite" pod in schists
643552	<.01	33	200	20	<2	1	304	<.01	4	94	Nad-Craig	Limestone (fine bed+/- sulphides in schists)
643553	<.01	1700	<10	<2	<2	5	6	<.01	11	30	Nad-Craig	serpentinite'
643554	<.01	3	220	2540	<2	<1	41	<.01	2	4030	Nad-Craig	Quartz veining in limestone +/- tr. Sulphides

Sample #	UTM NAD 27 E	UTM NAD27 N	Au (ppb)	Ag (ppm)	Al (%)	As (ppm)	Ba (ppm)	Ca (%)	Cd (ppm)	Co (ppm)	Cr (ppm)	Cu (ppm)	Fe (%)	Hg (ppm)	K (%)	La (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)
643555	580195	7115030	<5	210	0.03	32	20	4.53	2	<1	114	43	0.29	<1	0.01	<10	2.65	210	1
643556	580537	7115028	<5	1	0.04	78	30	0.58	5.5	<1	178	19	0.38	1	0.01	<10	0.36	75	1
643557	580163	7115370	<5	0.6	0.16	<2	40	3.56	<.5	3	126	6	1.65	<1	0.11	<10	1.18	1585	1
643558	580982	7114630	<5	<.2	0.34	2	30	4.54	<.5	9	189	4	6.18	<1	0.03	<10	1.1	1220	<1
643559	581068	7114342	<5	<.2	0.35	<2	20	4.77	<.5	98	886	1	5.92	<1	<.01	<10	4.85	715	<1
643560	581098	7114095	<5	<.2	2.29	4	470	1.48	<.5	20	104	33	3.8	<1	0.36	<10	1.76	475	<1
643561	580965	7113872	<5	<.2	0.37	6	570	0.1	<.5	5	176	29	1.51	<1	0.07	<10	0.07	1765	1
643562	578370	7113170	<5	<.2	1	8	60	0.11	<.5	6	148	3	3.21	<1	0.09	<10	0.26	1155	1
643563	578275	7113103	<5	<.2	0.1	<2	80	>15.00	<.5	<1	4	4	0.19	<1	0.05	<10	0.2	85	<1
643564	577360	7113295	<5	<.2	0.15	12	<10	14.25	<.5	7	15	<1	2.95	<1	0.02	<10	3.3	780	<1
643565	577308	7113385	<5	<.2	0.33	2	90	1.5	<.5	4	103	1	1.31	<1	0.25	10	0.24	1015	<1
643566	577222	7113528	<5	<.2	0.33	4	10	0.63	<.5	1	224	8	0.88	<1	0.07	<10	0.06	35	1
643567	550705	7125105	<5	<.2	2.55	<2	60	1.28	<.5	22	145	15	4.64	<1	0.01	<10	2.35	805	1
643568	550815	7125055	<5	<.2	0.01	<2	<10	14.15	<.5	<1	<1	1	0.19	<1	<.01	<10	9.31	185	<1
643569	550788	7125075	<5	<.2	5.4	54	120	1.87	<.5	31	33	6	9.42	<1	0.04	<10	4.48	680	1
643570	550815	7125055	<5	<.2	0.04	<2	<10	14.9	<.5	<1	<1	<1	0.65	<1	<.01	<10	9.43	895	<1
643571	550865	7125005	<5	<.2	0.14	28	10	11.5	<.5	4	15	2	2.94	<1	0.08	<10	4.39	1200	<1
643572	550865	7125005	<5	<.2	0.21	<2	400	8.53	<.5	2	38	7	3.13	<1	0.1	<10	4.51	970	1
643573	550865	7125005	<5	<.2	0.14	<2	10	12	<.5	1	4	1	1.29	<1	0.11	<10	7.21	1115	<1
643574	550895	7124980	<5	<.2	0.87	8	20	>15.00	<.5	4	<1	21	4.98	<1	0.1	<10	2.68	845	<1
643575	550915	7124955	<5	<.2	0.18	6	20	13.35	<.5	6	12	7	3.79	<1	0.09	<10	3.36	1225	<1
643576	551075	7124808	<5	<.2	0.06	<2	10	>15.00	<.5	1	7	3	0.36	<1	0.04	<10	2.77	250	<1
643577	551105	7124796	<5	<.2	0.03	<2	<10	14.85	<.5	3	<1	<1	0.32	<1	<.01	<10	9.6	395	<1
643578	578480	7114073	<5	<.2	2.08	<2	1320	6.88	<.5	24	95	37	5.75	<1	0.28	50	2.28	1160	<1
643579	578500	7114225	<5	<.2	3.45	<2	960	4.29	<.5	32	62	74	7.51	<1	0.48	40	3.3	1170	<1
643580	579185	7114390	<5	<.2	0.62	22	120	9.72	<.5	16	20	23	3.09	<1	0.09	50	0.68	1160	13
643581	579165	7114375	<5	<.2	0.75	12	100	7.09	<.5	6	26	11	2.27	<1	0.16	50	0.45	745	13
643582	579115	7114285	<5	<.2	0.96	12	190	13.1	<.5	20	155	34	3.68	<1	0.2	20	0.65	675	1
643583	562515	7133475	160	26.4	0.25	678	10	3.16	26	696	104	17500	6.22	<1	0.03	<10	1.22	1170	9
643584	562513	7133473	<5	<.2	0.6	10	10	12.9	<.5	10	12	156	4.56	<1	0.15	<10	2.93	2370	<1
643585	562497	7133485	<5	<.2	0.26	<2	<10	>15.00	<.5	7	54	190	1.42	<1	0.01	10	0.94	2360	<1
643586	562495	7133484	<5	<.2	5.42	6	10	0.45	<.5	46	134	29	9.65	<1	0.01	<10	4.84	715	1
643587	562495	7133519	<5	8	1.51	14	<10	0.19	<.5	17	79	23700	5.24	<1	0.06	<10	1.11	335	3
643588	562510	7133543	195	21	0.18	530	<10	0.6	<.5	18	81	107500	10.7	<1	0.08	<10	0.24	375	7
643589	562496	7133524	10	32	2.65	2	<10	0.78	<.5	23	74	15500	7.95	<1	0.02	<10	2.24	640	2
643590	562085	7130940	<5	0.2	0.12	<2	10	0.14	1.5	6	46	8	>15.00	<1	0.08	<10	1.52	>10000	1
643591	562090	7130940	<5	2.4	0.36	34	10	0.53	5.5	15	43	47	14.2	<1	0.22	<10	1.03	>10000	1
643592	562100	7130940	20	17.6	0.09	16	<10	0.06	<.5	13	97	24100	5.4	<1	0.06	<10	0.03	500	<1
643593	562055	7130890	15	11.8	0.34	46	10	0.11	0.5	24	132	1340	3.8	<1	0.22	<10	0.05	665	14
643594	561900	7130765	<5	0.2	2.38	54	20	0.49	<.5	31	39	131	5.54	<1	0.14	<10	1.7	1475	<1
643595	561902	7130764	25	0.6	0.3	64	<10	0.03	<.5	3	149	44	5.44	<1	0.17	<10	0.05	245	11
643596	561905	7130762	<5	<.2	0.06	<2	<10	0.26	<.5	<1	69	3	>15.00	<1	0.03	<10	2.37	>10000	3
643597	561592	7130625	10	<.2	0.98	30	20	0.16	<.5	<1	77	20	3.03	<1	0.3	10	0.29	190	25
643598	561528	7130585	5	<.2	1.71	44	<10	0.22	<.5	9	118	84	3.62	<1	0.07	<10	1.77	120	10
643599	561230	7130525	<5	<.2	0.07	10	<10	0.54	<.5	1	203	12	2.08	<1	0.03	<10	0.15	1590	3
643600	561070	7130450	<5	<.2	2.22	<2	<10	10.2	<.5	17	191	21	3.33	<1	0.01	<10	2.18	1420	3
643601	561030	7130385	<5	<.2	5.42	<2	<10	1.5	<.5	33	382	6	8.21	<1	<.01	<10	4.66	1440	<1
643602	561205	7130360	5	0.6	0.03	22	<10	0.08	<.5	63	92	60	>15.00	<1	<.01	<10	0.77	7760	3
643603	577105	7113880	<5	<.2	1.42	<2	50	1.31	<.5	6	138	17	2.64	<1	0.14	<10	0.43	380	3
643604	577010	7114380	<5	<.2	2	<2	100	0.32	<.5	20	64	126	2.63	<1	0.12	20	1.23	30	3
643605	577008	7114405	20	0.6	1.98	32	10	0.2	<.5	205	95	2040	12.8	<1	0.08	30	1.04	180	9
643606	577008	7114455	5	3.4	0.13	10	10	4.78	15.5	744	361	52700	9.63	<1	<.01	<10	2.76	730	3
643607	580005	7114423	9720	6.8	0.13	68	<10	5.09	23.5	1030	224	68500	>15.00	<1	<.01	<10	2.94	435	2
643608	567295	7139775	50	1.2	1.14	64	10	0.33	3.5	13	171	817	3.2	<1	0.18	20	0.65	135	9

Sample #	Na (%)	Ni (ppm)	P (ppm)	Pb (ppm)	Sb (ppm)	Sc (ppm)	Sr (ppm)	Ti (%)	V (ppm)	Zn (ppm)	AREA (Claims)	Rock type
643555	<.01	12	70	25600	180	<1	37	<.01	1	36	Nad-Craig	Quartz veining in limestone + Gn + Sph + Tet
643556	<.01	5	100	722	2	<1	3	<.01	1	1985	Nad-Craig	Quartz veining in limestone +/- tr. Sulphides
643557	<.01	6	60	836	<2	1	47	<.01	2	28	Nad-Craig	Schists (sst+/-Py+/-Lim)
643558	<.01	14	760	6	<2	1	26	<.01	7	28	Nad-Craig	"ferrodolomite" pods in schists
643559	<.01	1430	30	<2	<2	6	89	<.01	20	28	Nad-Craig	"ferrodolomite" pods in schists
643560	0.01	222	1860	8	<2	4	69	<.01	26	70	Nad-Craig	Schists (sltst + cherts)
643561	0.01	14	50	6	<2	2	13	<.01	12	22	Nad-Craig	Chert (laminated)
643562	0.01	13	460	102	<2	2	7	<.01	6	104	Nad-Craig	Schists (sst)
643563	0.01	1	110	18	<2	<1	1100	<.01	1	12	Nad-Craig	Limestone
643564	<.01	7	60	4	<2	<1	232	<.01	1	14	Nad-Craig	Limestone +/- chert nodules
643565	<.01	4	260	20	<2	2	36	<.01	6	30	Nad-Craig	Schists (sltst)
643566	0.01	5	1790	6	<2	<1	41	<.01	3	20	Nad-Craig	Schists (Qz pebble congl.)
643567	0.02	61	120	88	2	4	28	0.19	72	282	"Red Ck" near Kathleen Lakes	Cherts +/- Py
643568	0.01	1	90	8	<2	<1	79	<.01	1	18	"Red Ck" near Kathleen Lakes	Cherts +/- Py
643569	0.01	42	270	6	6	33	17	<.01	267	110	"Red Ck" near Kathleen Lakes	Cherts +/- Py
643570	0.01	<1	30	10	2	<1	24	<.01	<1	24	"Red Ck" near Kathleen Lakes	Cherts +/- Py
643571	0.01	5	80	6	2	1	51	<.01	3	26	"Red Ck" near Kathleen Lakes	Cherts +/- Py
643572	0.01	2	90	10	<2	4	36	<.01	12	20	"Red Ck" near Kathleen Lakes	Cherts +/- Py
643573	0.01	3	120	10	<2	1	10	<.01	3	24	"Red Ck" near Kathleen Lakes	Cherts +/- Py
643574	0.01	9	250	22	<2	5	630	<.01	11	28	"Red Ck" near Kathleen Lakes	Cherts +/- Py
643575	0.01	7	80	2	<2	3	168	<.01	13	32	"Red Ck" near Kathleen Lakes	Cherts +/- Py
643576	0.01	<1	170	28	<2	<1	277	<.01	4	68	"Red Ck" near Kathleen Lakes	Cherts +/- Py
643577	0.01	1	120	6	2	<1	4	<.01	<1	24	"Red Ck" near Kathleen Lakes	Cherts +/- Py
643578	0.03	42	2420	6	<2	4	490	0.15	117	92	Nad-Craig	Andesitic wacke
643579	0.01	36	2220	2	<2	5	267	0.28	180	104	Nad-Craig	Andesite flow
643580	0.05	10	2390	8	<2	4	758	<.01	42	22	Nad-Craig	Andesitic agglomerate
643581	0.08	7	1600	26	<2	2	681	<.01	37	106	Nad-Craig	Rhyolite clastic flow
643582	0.03	39	2040	4	<2	11	329	0.01	160	30	Nad-Craig	Rhyolite flow +/- Py
643583	0.01	157	Intf*	238	2	6	24	<.01	84	9660	"plug" NE of Rusty Mntn	Quartz vein in GDR +/- sulphides
643584	0.02	15	30	6	<2	16	104	<.01	24	230	"plug" NE of Rusty Mntn	Quartz ankerite vein in GDR
643585	0.01	5	20	24	<2	18	104	<.01	11	24	"plug" NE of Rusty Mntn	Quartz calcite vein in Gdr +/- sulphides
643586	0.01	72	260	6	2	30	4	<.01	253	210	"plug" NE of Rusty Mntn	Granodiorite clast in veins
643587	0.02	27	Intf*	12	2	11	3	<.01	110	102	"plug" NE of Rusty Mntn	Quartz + brxx + sulphides
643588	0.01	27	Intf*	18	<2	4	3	<.01	11	48	"plug" NE of Rusty Mntn	Quartz vein + sulphides
643589	0.03	24	Intf*	2	<2	15	9	0.05	207	120	"plug" NE of Rusty Mntn	Quartz vein +brxx+sulphides
643590	<.01	19	90	30	<2	7	5	<.01	19	270	South of Rusty Mntn	Felsic dyke + sulphides
643591	<.01	22	630	808	<2	11	4	<.01	48	1540	South of Rusty Mntn	Felsic dyke + sulphides
643592	<.01	17	Intf*	32	28	2	<1	<.01	5	34	South of Rusty Mntn	Felsic dyke + sulphides (50%)
643593	<.01	20	540	60	44	2	1	<.01	14	94	South of Rusty Mntn	Felsic dyke + quartz vein +/- sulphides
643594	<.01	36	290	44	<2	6	9	0.22	123	126	South of Rusty Mntn	Granodiorite clast in veins
643595	<.01	24	380	16	<2	1	1	<.01	17	16	South of Rusty Mntn	Granodiorite clast in veins
643596	<.01	13	90	10	<2	9	1	<.01	10	74	South of Rusty Mntn	mudstones, black +/- limonite
643597	<.01	44	960	2	<2	2	4	<.01	56	38	South of Rusty Mntn	mudstones, black +/- limonite
643598	0.01	118	670	18	<2	1	2	<.01	116	44	South of Rusty Mntn	mudstones, black +/- sulphides (to 40%) +/- limonit
643599	<.01	8	10	2	<2	2	3	<.01	6	18	South of Rusty Mntn	Quartz vein in intrusive granodiorite
643600	<.01	40	30	4	<2	12	30	<.01	79	64	South of Rusty Mntn	Quartz vein in intrusive granodiorite
643601	<.01	87	110	4	<2	16	9	0.01	150	186	South of Rusty Mntn	Quartz vein in intrusive granodiorite
643602	<.01	36	<10	38	<2	4	1	<.01	6	98	South of Rusty Mntn	Hornfels +/- ankerite +/- sulphides
643603	0.01	17	30	8	<2	2	31	<.01	12	50	Nad-Craig	schists (mudstones)
643604	0.05	28	150	2	<2	3	18	<.01	16	14	Nad-Craig	Rhyolite flows + sulphides (15%)
643605	0.01	131	750	10	<2	4	6	<.01	30	12	Nad-Craig	Rhyolite flows + sulphides (35%)
643606	0.01	2610	Intf*	70	<2	3	54	<.01	7	810	Nad-Craig	Rhyolite flows + sulphides (60%)
643607	<.01	4270	Intf*	70	<2	2	62	<.01	5	248	Nad-Craig	sulphides in "ferrodolomite"
643608	<.01	153	1230	262	<2	1	5	<.01	101	724	North of Rusty Mntn, Across Rackl	mudstones, black +/- sulphides

Sample #	UTM NAD 27 E	UTM NAD27 N	Au (ppb)	Ag (ppm)	Al (%)	As (ppm)	Ba (ppm)	Ca (%)	Cd (ppm)	Co (ppm)	Cr (ppm)	Cu (ppm)	Fe (%)	Hg (ppm)	K (%)	La (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)
643609	567290	7139750	15	0.6	1.06	10	<10	0.17	1.5	8	193	207	4.03	<1	0.05	<10	0.96	145	15
643610	567160	7139820	325	0.6	0.48	10	10	0.6	8	25	93	1165	2.63	<1	0.11	<10	0.34	85	34
643611	566890	7139925	25	<.2	1.9	<2	10	0.31	<.5	5	95	41	2.28	<1	0.43	10	1.26	135	14
643612	566705	7139890	10	13.2	1.11	24	<10	2.35	96.5	16	145	177	2.35	3	0.01	10	1.07	355	5
643613	566700	7139890	10	0.8	3.08	64	<10	1.94	<.5	75	138	299	7	<1	0.01	<10	2.75	720	3
643614	566458	7139710	10	1.6	3.02	114	<10	2.07	<.5	46	116	306	9.01	<1	0.03	<10	2.89	835	3
643615	564514	7140198	10	0.6	2.37	76	<10	0.33	3	38	97	167	5.24	<1	0.06	<10	2.67	340	14

Sample #	Na (%)	Ni (ppm)	P (ppm)	Pb (ppm)	Sb (ppm)	Sc (ppm)	Sr (ppm)	Ti (%)	V (ppm)	Zn (ppm)	AREA (Claims)	Rock type
643609	0.01	64	630	48	<2	1	2	<.01	90	286	North of Rusty Mntn, Across Rackl	mudstones, black +/- sulphides
643610	0.01	249	2120	32	<2	3	3	0.06	141	1215	North of Rusty Mntn, Across Rackl	mudstones, black +/- sulphides
643611	0.02	46	690	12	<2	2	2	<.01	98	54	North of Rusty Mntn, Across Rackl	mudstones, black +/- sulphides
643612	0.01	19	60	9770	6	5	9	0.01	81	31200	North of Rusty Mntn, Across Rackl	Shear + quartz +sulphides near granodiorite
643613	0.03	85	330	44	<2	15	11	0.03	216	198	North of Rusty Mntn, Across Rackl	Shear + quartz +sulphides near granodiorite
643614	0.01	157	290	282	<2	11	12	<.01	197	122	North of Rusty Mntn, Across Rackl	Shear + quartz +sulphides near granodiorite
643615	0.01	86	910	68	<2	6	3	0.13	201	328	North of Rusty Mntn, Across Rackl	Mudstones, black +/- sulphides

Section 7.0 Quantec I.P. Survey

7.1 Discussion-Val Grid

The grid covered by the I.P. survey on the Val Claims is shown by the green lines on the Val geological map by W. Raven. A reconnaissance survey of 6.5 kilometres was done plus 2.95 km of detail follow up work. The grid is centred on the Big Red Zone and covers the Little Red Zone to the west.
The total chargeability targeted the BRZ right on with a bulls-eye shaped anomaly. This enforces the idea that the BRZ is a pipelike vertical structure with limited lateral extent. What is interesting are the three northwesterly trending chargeability anomalies that occur to the east of the BRZ. The easternmost two occur along the contacts between the Val Dolomite/orange weathering dolomite/shaley dolomite. Samples 386971-386974 were collected along the Val Dolomite/orange weathering dolomite contact. Samples 386973 assayed 11.32 % Pb and 19.66% Zn. Sample 386974 assayed 70.96% Pb and 4.2 % Zn. The third anomaly 100 m to the east of BRZ occurs within the Val Dolomite and it appears that no samples were collected here.
The apparent resistivity map shows the BRZ as a low.
The Little Red Zone which occurs 350 m to the east of the BRZ displays a weak chargeability response and is within a resitivity low. The chargeability anomaly to the south and downhill of the LRZ is worth following up with more detailed real section induced polarization.
It is also recommended that the two contacts be prospected and samples 386971-974 be followed up. The detailed real section induced polarization data should be extended easterly beyond the baseline, 10+00 E, on lines 98+00N and 98+50N.

7.2 Discussion-Vera Grid

Grid lines 5400 E, 5350E, 5300E and 5250E were covered by a reconnaissance induced polarization survey for a total of 2400 metres and 3000 metres of detail survey were done within the same grid area. This area extends beyond the northern and southern limits of the mapping so it is difficult to discuss the results due to lack of geological information. The I.P. survey also extends well beyond the limits of the diamond drilling done to date.
The Total Chargeability plan map has been reproduced in colour at a scale of 1:2,000 so with the help of a light table it can be viewed over the plan map of the drilling which has grid co-ordinates 5300 N and 5300 E marked on it. The colour shading is not accurate but mv/V values are. From this overlay it is apparent there is a chargeability anomaly in the area around 5600 N which is where Sample 386887 was found and it assayed 66.81 oz/t silver. This is now called the Jorge Zone and will be further evaluated in 1999.
The Vera vein also shows up as a Chargeability anomaly however it remains to be seen whether or not there is a steel rail running down the adit which alter the values.

The Real Section Induced Polarization Survey was successful in outlining four new areas for detailed prospecting on the Val and Vera Claims and the results may be used to expand the Induced Polarization Survey in 1999.

7.3 Discussion – Craig Deposit

The Craig Claims IP Survey covered lines 1+00 W, 0+00, and 1+00 E from 3+00S to 3+00N. This area can be related to the drilling by comparing the 1:2500 scale Craig Drillhole Pland 1977 and 1980 Drilling with the plan views of the resisitivity and chargeabililty maps found in the back pocket.
A total chargeability anomaly occurs between 50 S and 50 N which peaks at 48.2 mV/V. This anomaly trends east-west, which parallels the slope and essentially outlines the Kill Zone area. The mineralization is dipping steeply to the south and trends northwesterly. This chargeability as seen in the Real Section has a depth of at least 150 m. There is another chargeability anomaly along L 0 + 00 at 2+40 N which needs follow-up.

Line cutting was carried out on the Trent Zone in anticipation of doing another I.P. Survey. This was not completed in 1998.

7.1 Geophysical Survey and Logistical Report by Quantec I.P. -Sept 1998

Quantec IP Inc.
P.O Box 580, 101 King Street
Porcupine, ON P432 1C0
Phone (705) 235-2166
Fax (705) 235-2255

Quantec IP Incorporated

Geophysical Survey Logistical Report

Quantec

Regarding the
GRADIENT-REALSECTION
TDIP/Resistivity Surveys
over the VERA, VAL and CRAIG CLAIMS,
RACKLA CAMP, YUKON, on behalf of
MANSON CREEK RESOURCES LTD.
Calgary, Alberta

QIP QIP QIP QIP QIP

GRJ Warne
JM Legault
M Tolley
September, 1998
Project P-235

TABLE OF CONTENTS

LIST OF TABLES AND FIGURES

1. INTRODUCTION

- **QIP Project No:** P-235
- **Project Name:** Val, Vera and Craig Claims
- **Survey Period:** August 19th to September 8th, 1998
- **Survey Types:** Realsection Time Domain Induced Polarization (TDIP)
- **Client:** Manson Creek Resources Ltd.
- **Client Address:** 800 5th Ave. SW Suite 1000
  Calgary, Alberta
  T2P 3T6
- **Representatives:** Bruce T. Evans, P.Geol.
- **Objectives:**

  1. Exploration: delineate massive sulphide zones and use known zones to experiment with IP configurations.

  2. Geophysical: Using IP/Resistivity, to detect and delineate favorable signatures potentially related to sulphide mineralization based on their chargeability and resistivity characteristics. The Gradient-Realsection technique was chosen based on its high resolution and deep penetration characteristics.

- **Report Type:** Logistical

2. GENERAL SURVEY DETAILS

2.1 LOCATION

- **Township or District:** Yukon Territory
- **Country:** Canada
- **Nearest Settlement:** Mayo, Yukon
- **NTS Map Number:** Yukon NTS 106 C 5

2.2 ACCESS

- **Base of Operations:** Rackla Camp
- **Mode of Access:** The grids were accessed by helicopter.
  Vera Grid – 30km west of Camp
  Val Grid – 35km west of Camp
  Craig Grid – 15 km south of Camp

2.3 SURVEY GRID

- **Coordinate Reference System:** Local exploration grid (non UTM)
- **Line Direction:** Val Grid: E-W
  Vera Grid: N10°W
  Graig Grid: N10 W
- **Line Separation:** 50 meters
- **Station Interval:** 25 & 12.5 meters
- **Method of Chaining:** Metric, secant chained

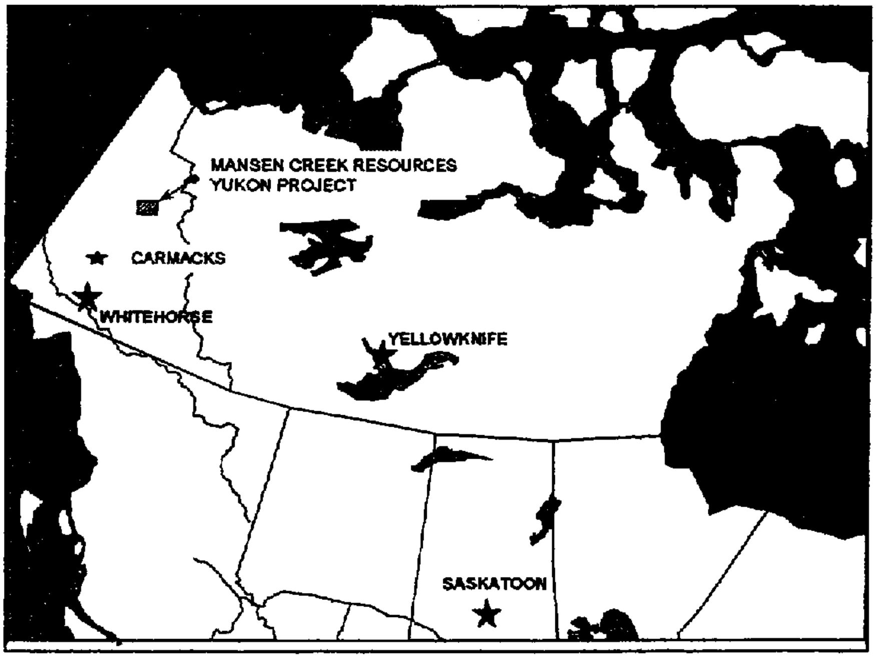


Figure 1: Val, Vera and Craig Claims, General Location.

3. SURVEY WORK UNDERTAKEN

3.1 GENERALITIES

- **Survey Dates:** August 19th to September 8th 1998
- **Survey Period:** 21 days
- **Survey Days (read time):** 13.5 days
- **Mobilization Days:** 4 days
- **Weather Days:** 1 day
- **Noncharge Days:** 2.5 days
- **Total km Surveyed:** 9.451 km (Val grid)
  5.4 km (Vera grid)
  4.25 km (Craig grid)

3.2 PERSONNEL

- **Project Manager:** M. Tolley, Kingston, ON
- **Geophyical Assistant:** T. Raleigh, Oakville, ON
- **Field Assistants:** Two assistants provided by client

3.3 SURVEY SPECIFICATIONS

- **Array:** Gradient (see also Figure 2)
- **AB (Tx dipole spacing):** up to 900 meters
- **MN (Rx dipole spacing):** 25, 12.5 meters
- **Sampling Interval:** 25, 12.5 meters
- **Total Gradient AB Blocks:** 3 blocks (Vera Grid)
  2 blocks (Val Grid)
  1 block (Craig Grid)
- **Total Realsections:** 3 (Vera Grid)
  3 (Val Grid)
  2 (Craig Grid)
- **Realsection Arrays:** 3 levels (~135m maximum depth)
- **Approximate Arial Coverage:** Val Grid approx. 0.26 km^2
  Vera Grid approx. 0.135 km^2
  Craig Grid approx. 0.12 km^2

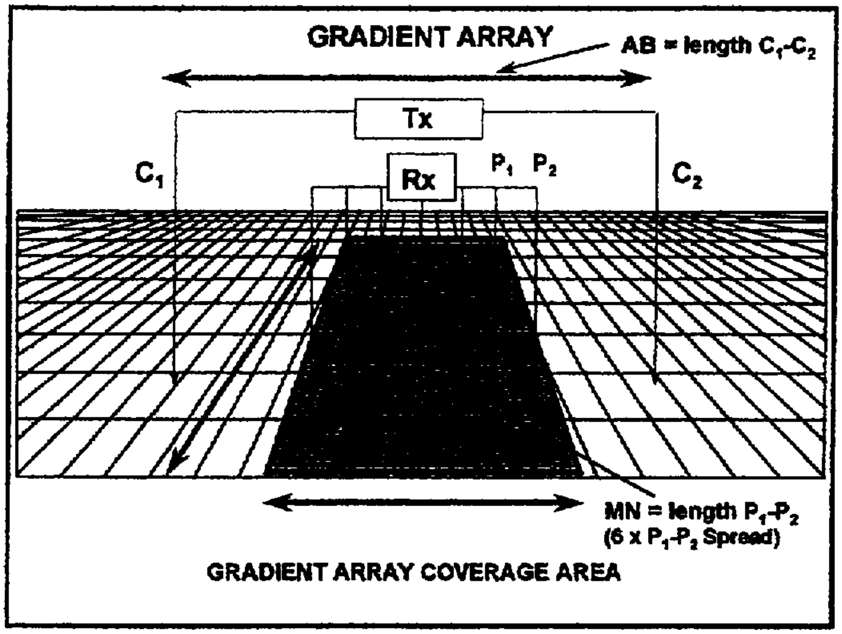


Figure 2: Gradient Array Layout.

3.4 Survey Coverage

1. **Reconnaissance:** 6.5km Val grid (see Table I)
   2.4 km Vera grid (see Table I)
   3.0 km Craig grid (see Table I)
2. **Overlap andRepeat:** 5.0 km combined grids
3. **Detail follow-up:** 2.95km Val grid (see Table II)
   3.0 km Vera grid (see Table II)
   1.25 km Craig grid (see Table II)

LINE	MIN EXTENT	MAX EXTENT	LENGTH (M)
VAL GRID			
L9950N	9100E	104OOE	1300
L9900N	9100E	104OOE	1300
L9850N	9100E	104OOE	1300
L9800N	9100E	104OOE	1300
L9750N	9100E	104OOE	1300
Total			**6500**
VERA GRID			
L5400E	5150N	5750E	600
L5350E	5150N	5750E	600
L5300E	5150N	5750E	600
L5250E	5150N	5750E	600
Total			**2400**

Table I: Reconnaissance TDIP Survey Coverage

LINE	MIN EXTENT	MAX EXTENT	LENGTH (M)
CRAIG GRID			
L0W	300S	300N	600
L50W	300S	300N	600
L100W	300S	300N	600
L150W	300S	300N	600
L200W	300S	300N	600
Total			**3000**

Table I : Reconnaissance TDIP Survey Coverage (cont.)

LINE	MINIMUM EXTENT	MAXIMUM EXTENT	REALSECTION ARRAYS	TOTAL LENGTH (M)
VAL GRID				
L9800N	9650E	10050E	3	650
L9900N	9650E	10400E	3	1650
L9950N	10050E	10400E	3	650
Total				**2950**
VERA GRID				
L5250E	5150N	5425E	3	475
L5300E	5125N	5800E	3	1100
L5350E	5125N	5800E	3	1125
L5400E	5150N	5450E	2	300
Total				**3000**
CRIAG GRID				
L0W	100S	300N	3	625
L100W	100S	300N	3	625
Total				**1250**

Table II : Detailed TDIP Survey Coverage

3.5 Instrumentation

- **Receiver:** IRIS IP-6 (time domain / 6 channels)
- **Transmitter:** Phoenix IPT-1 (2.5 kW / 200-1200V out)
- **Power Supply:** Honda MG (1 cyl / 5.5 HP) with three phase alternator (400 Hz / 82V output)

3.6 Parameters

- **Input Waveform:** 0.125 Hz square wave at 50% duty cycle, (2 seconds On/Off)
- **Receiver Sampling Parameters:** QIP custom programmable windows(see Table III)

- **Measured Parameters**:

1) Chargeability in millivolts/Volt (10 time slices)

2) Primary Voltage in millivolts and Input Current in amperes for Resistivity calculation according to the gradient array geometry factor (Appendix C)

Slice	Duration (msec)	Start (msec)	End (msec)	Mid-Point (msec)
Td	40	0	40	
T_1	20	40	60	50
T_2	30	60	90	75
T_3	30	90	120	105
T_4	30	120	150	135
T_5	180	150	330	240
T_6	180	330	510	420
T_7	180	510	690	600
T_8	360	690	1050	870
T_9	360	1050	1410	1230
T_{10}	360	1410	1820	1590
Total T_p	1770			

Table III: Decay Curve Sampling Specifications

3.7 Measurement Accuracy and Repeatability

- **Chargeability**: generally< ± 0.5 mV/V but acceptable to ±1.0 mV/V.

- **Resistivity:** less than 5% cumulative error from Primary voltage and Input current measurements.

3.8 Data Presentation

- **Maps:**

Reconnaissance Coverage: Posted/contoured plan maps of Total Chargeability and Apparent Resistivity compiled from all reconnaissance gradient Blocks for each grid, at 1:2500 scale (6 maps).

"Realsection" Detail follow-up: Stacked posted/contoured depth section maps of Total Chargeability and Apparent Resistivity at 1:2000 scale (8 maps).

- **Digital:**

Raw data: IP-6 digital dump file (See also Appendix C).

Processed data: Geosoft .XYZ format,

using the following format:

Column 1 = Station/Line (X Position), in meters
Column 2 = Station/Line (Y Position), in meters

Column 3 = Total Chargeability, in mV/V
Column 4 = Apparent Resistivity, in Ω-m
Column >5 = TDIP Spectral Estimates, derived using IPREDC™

3.9 Operator Comments

The execution of the IP/Resistivity surveys at the Val, Vera and Craig claims, on behalf of Manson Creek Resources was trouble free, with the exception of down days due to instrument failure. The data are uncomplicated by any culture effects. There is however, the potential that topography may influence the resistivity distributions. The survey grids have been established employing secant chaining. This has the potential to significantly increase the effective distance between measurement electrodes, along the ground surface, if topography within the survey areas is severe, which may warrant application of topography corrections to the resistivity data.

RESPECTFULLY SUBMITTED
QUANTEC IP INC.

G. R. Jeff Warne
General Manger / Quantec IP

Jean M. Legault, P.Eng.
Senior Geophysicist

Mark Tolley
Project Manager/Geophysicist

Porcupine, ON
Oct, 1998.

APPENDIX A

STATEMENT OF QUALIFICATIONS

I, Jean M. Legault, declare that:

1. I am a consulting geophysicist with residence in South Porcupine, Ontario and am presently employed in this capacity with Quantec IP Inc. of Waterdown, Ontario.

2. I obtained a Bachelor's Degree, with Honors, in Applied Science (B.A.Sc.), Geological Engineering (Geophysics Option), from Queen's University at Kingston, Ontario, in Spring 1982.

3. I am a registered professional engineer, since 1985, with license to practice in the Province of Ontario.

4. I have practiced my profession continuously since May, 1982, in North-America, South-America and North-Africa.

5. I am a member of the Association of Professional Engineers of Ontario, the Quebec Prospectors Association, the Prospectors and Developers Association of Canada, and the Society of Exploration Geophysicists.

6. I have no interest, nor do I expect to receive any interest in the properties or securities of **Manson Creek Resources Ltd.**

7. The statements made in this report represent my professional opinion based on my consideration of the information available to me at the time of writing this report.

Porcupine, Ontario
October, 1998

Jean M. Legault, P.Eng. (ON)
Chief Geophysicist
Dir. Technical Services
Quantec Group

APPENDIX A

STATEMENT OF QUALIFICATIONS:

I, G.R. Jeffrey Warne, hereby declare that:

1. I am a geophysicist with residence in South Porcupine, Ontario and am presently employed in this capacity with Quantec IP Inc. of Waterdown, Ontario.

2. I studied Engineering Geophysics in the Faculty of Applied Science at Queen's University in Kingston, Ontario, completing all but two of the course requirements for a B.Sc.(Eng.) in 1981.

3. I have practiced my profession continuously since May, 1981 in Canada, the United States, Chile, Australia and Mexico.

4. I have no interest, nor do I expect to receive any interest in the properties or securities of **Manson Creek Resources, Ltd.**

5. The statements made in this report represent my professional opinion based on my consideration of the information available to me at the time of writing this report.

Porcupine, Canada
October, 1998

G.R. Warne

G. R. Jeffrey Warne,
Senior Geophyiscist,
General Manager
Quantec IP Inc.

APPENDIX A

STATEMENT OF QUALIFICATIONS

I, Mark Tolley, declare that:

1. I am presently employed as geophysicist with Quantec IP Inc. of Waterdown, Ontario.
2. I obtained a B. Sc. in Geophysics, from Queen's University at Kingston, Ontario, in May 1995.
3. I have practiced my profession continuously since May, 1995, in North America, South America and Africa.
4. I have no interest, nor do I expect to receive any interest in the properties or securities of **Manson Creek Resources Ltd.**
5. The statements made in this report represent my professional opinion based on my consideration of the information available to me at the time of writing this report.

Porcupine, Ontario
October, 1998

JRfW for MT

Mark Tolley
Geophysicist
Quantec IP Inc.

APPENDIX B

THEORETICAL BASIS AND SURVEY PROCEDURES

GRADIENT REALSECTION INDUCED POLARIZATION SURVEY

The "RealSection" survey design uses multiple gradient arrays - with variable depths of investigation controlled by successive changes in array size/geometry. The method of data acquisition and the "RealSection" presentation are based on the specifications developed by Dr. Perparim Alikaj, of the Polytechnic University of Tirana, Albania, over the course of approx. 20 years of application. This technique has been further developed for application in Canada during the past six years, in association with Mr. Dennis Morrison, president of Quantec IP Inc.

The Gradient Array measurements are unique in that they best represent a bulk average of the surrounding physical properties within a relatively focused sphere of influence, roughly equal to the width of the receiver dipole, penetrating vertically downward from surface to great depths. These depth of penetration and lateral resolution characteristics are showcased when presented in plan, however through the use of multiple-spaced and focused arrays, the advantages of the gradient array are further highlighted when the IP/Resistivity data are fully developed in cross-section, using RealSections.

The resistivity is among the most variable of all geophysical parameters, with a range exceeding 10^6. Because most minerals are fundamentally insulators, with the exception of massive accumulations of metallic and submetallic ores (electronic conductors) which are rare occurrences, the resistivity of rocks depends primarily on their porosity , permeability and particularly the salinity of fluids contained (ionic conduction), according to Archie's Law. In contrast, the chargeability responds to the presence of polarizeable minerals (metals, submetallic sulphides and oxides, and graphite), in amounts as minute as parts per hundred. Both the quantity of individual chargeable grains present, and their distribution with in subsurface current flow paths are significant in controlling the level of response. The relationship of chargeability to metallic content is straightforward, and the influence of mineral distribution can be understood in geologic terms by considering two similar, hypothetical volumes of rock in which fractures constitute the primary current flow paths. In one, sulphides occur predominantly along fracture surfaces. In the second , the same volume percent of sulphides are disseminated throughout the rock. The second example will, in general, have significantly lower intrinsic chargeability.

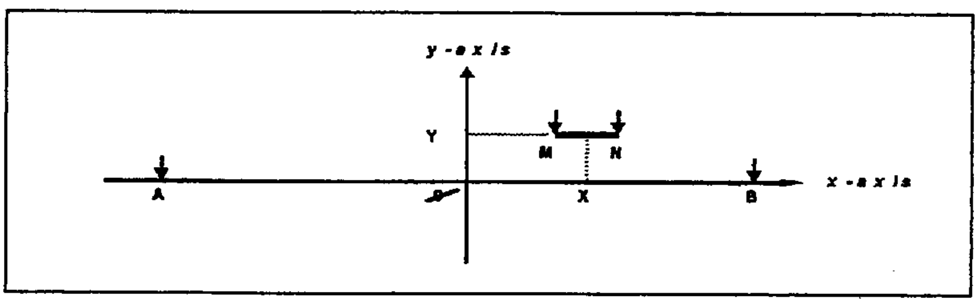


Figure B1: Gradient array configuration

Using the diagram in Figure B1 for the gradient array electrode configuration and nomenclature:[1], the gradient array apparent resistivity is calculated:

where: the origin 0 is selected at the center of AB
the geometric parameters are in addition to **a = AB/2** and **b = MN/2**
X is the abscissa of the mid-point of **MN** (positive or negative)
Y is the ordinate of the mid-point of **MN** (positive or negative)

[1] From Terraplus\BRGM, IP-6 Operating Manual, Toronto, 1987.

Gradient Array Apparent Resistivity:

$$\rho a = K \frac{Vp}{I} \ ohm-metres$$

$$where: \ K = \frac{2\pi}{(AM^{-1} - AN^{-1} - BM^{-1} + BN^{-1})}$$

$$AM = \sqrt{(a+x-b)^2 + y^2}$$

$$AN = \sqrt{(a+x+b)^2 + y^2}$$

$$BM = \sqrt{(x-b-a)^2 + y^2}$$

$$BN = \sqrt{(x+b-a)^2 + y^2}$$

Using the diagram in Figure B2 for the Total Chargeability:

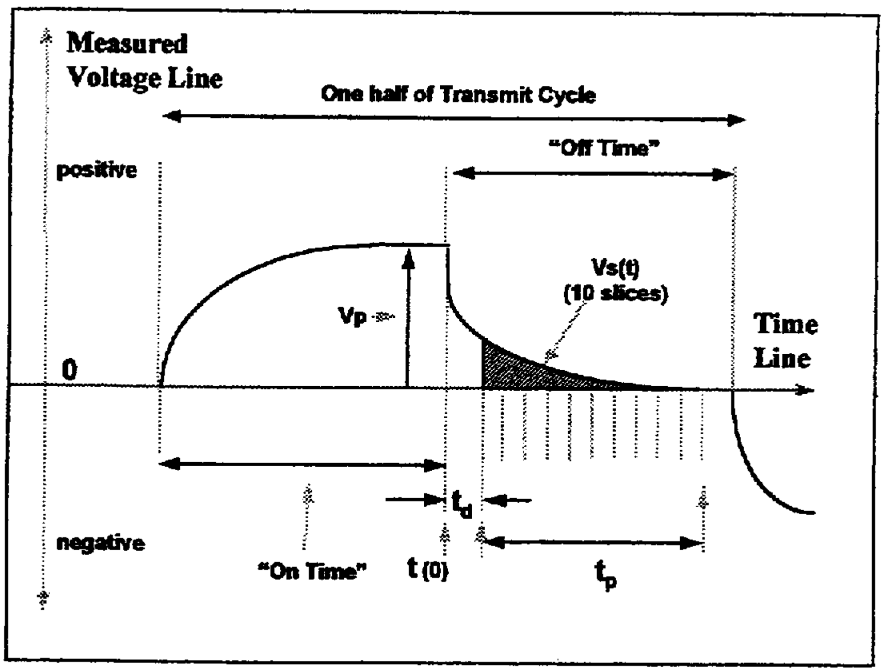


Figure B2: The measurement of the time-domain IP effect

APPENDIX C

PRODUCTION SUMMARY

Client:	**Manson Creek Resources Ltd.**					
Property:	**Rackla Camp Project**					
Project:	**P-235**					
Survey:	**Gradient RSIP a=50m, 25m,& 12.5m**					
Date	**Description**	**Block**	**Line Number**	**Start**	**End**	**Coverage (m)**
19-Aug	Mob - Toronto to Whitehorse.					
20-Aug	am: Mob Whitehorse to Rackla River Camp.					
	pm: Meet with geologist, discuss survey and visit survey sites. Chopper some gear into first grid (Val Property). Prepare gear for survey.					
	Val Property					
21-Aug	Chopper in the rest of the gear and set up read wires.					
	Establish 800m AB on Line 9850N, 9675E to 10500E.					
	IP Survey.	A	9950N	9950	10400	450
		A	9900N	9800	10400	600
		A	9850N	9800	10250	450
					Total	1500
22-Aug	IP Survey.	A	9850N	10250	10400	150
		A	9800N	9950	10400	450
	Transmitter failed. Equipment removed to camp where a problem was found with controller chip. Faulty chip removed and replaced.				Total	600
23-Aug	Tx failed again. New Tx sent from Ontario.					
24-Aug	Waited in camp for new tx which arrived in pm and was tested.					
25-Aug	IP Survey.	A	9800N	9800	9950	150
		A	9750N	9800	10400	600
	Establish 900m AB on Line 9850N, 9300E to 10200E.					
	IP Survey.	B	9950N	9450	10050	600
		B	9900N	9450	10050	600
		B	9850N	9450	10050	600
					Total	2550
26-Aug	IP Survey. Delays caused by periodic heavy rain and errors (spherical).	B	9800N	9450	10050	600
		B	9750N	9450	10050	600
	Establish 900m AB on Line 9850N, 8950E to 9850E.				Total	1200
27-Aug	IP Survey. Tried to increase current because of low Vp's to no avail, therefore increased mn size to 50 meters.	C	9950N	9100	9700	600
		C	9900N	9100	9700	600
		C	9850N	9100	9700	600
		C	9800N	9100	9550	450
		C	9750N	9100	9600	500
					Total	2750
28-Aug	Establish 600m AB on Line 9850N, 9550E to 10150E.					
	IP Survey.	B	9900N	9650	10050	400
		B	9800N	9650	10050	400
	Establish 400m AB on Line 9850N, 9650E to 10050E.					
	IP Survey.	B	9900N	9725	9975	250
		B	9800N	9725	9975	250

Client:	Manson Creek Resources Ltd.					
Property:	Rackla Camp Project					
Project:	P-235					
Survey:	Gradient RSIP a=50m, 25m,& 12.5m					
Date	Description	Block	Line Number	Start	End	Coverage (m)
	Establish 600m AB on Line 9900N, 9950E to 10500E.				Total	1300
29-Aug	Weather Day - Rain.					
30-Aug	IP Survey.	A	9900N	10050	10400	350
		A	9950N	10050	10400	350
	Establish 400m AB on Line 9850N, 10050E to 10450E.					
	IP Survey.	A	9900N	10100	10400	300
		A	9950N	10100	10400	300
	Vera Property					
	Pack up and chopper gear to new grid - Vera Property.					
	Establish 900m AB on Line 5350E, 4700N to 5675N.					
	IP Survey.	D	5400E	5150	5450	300
		D	5350E	5150	5450	300
					Total	1900
31-Aug	IP Survey.	D	5400E	4850	5150	300
		D	5350E	4850	5150	300
		D	5300E	4850	5450	600
		D	5250E	4850	5450	600
	Establish 900m AB on Line 5350E, 4975N to 5900N.					
	IP Survey.	E	5250E	5150	5600	450
					Total	2250
01-Sep	IP Survey.	E	5250E	5600	5750	150
		E	5300E	5150	5750	600
		E	5350E	5150	5750	600
		E	5400E	5150	5750	600
	Establish 600m AB on Line 5350E, 4975N to 5575N.					
	IP Survey.	D	5250E	5150	5425	275
		D	5300E	5125	5425	300
		D	5350E	5125	5425	300
		D	5400E	5150	5450	300
					Total	3125
02-Sep	IP Survey - with 12.5 meter mn.	F	5250E	5150	5375	225
		F	5300E	5150	5375	225
		F	5350E	5150	5375	225
		F	5400E	5150	5375	225
	Establish 400m AB on Line 5300E, 5075N to 5475N.					
	IP Survey.	D	5250E	5150	5400	250
		D	5350E	5150	5400	250
					Total	1400
03-Sep	Establish 600m AB on Line 5350E, 5300N to 5900N.					
	IP Survey.	E	5300E	5425	5800	375
		E	5350E	5400	5800	400
	Establish 400m AB on Line 5350E, 5400N to 5800N.					
	IP Survey.	E	5300E	5475	5725	250
		E	5350E	5475	5725	250
	Chopper the gear to the new grid - Craig Property.				Total	1275
	Craig Property					
04-Sep	Establish 900m AB on Line 50W, 425S to 425N.					
	IP Survey.	G	0	-300	300	600
		G	50W	-300	300	600
		G	100W	-300	0	300

Client:	**Manson Creek Resources Ltd.**					
Property:	**Rackla Camp Project**					
Project:	**P-235**					
Survey:	**Gradient RSIP a=50m, 25m,& 12.5m**					
Date	**Description**	**Block**	**Line Number**	**Start**	**End**	**Coverage (m)**
		G	150W	-300	-150	150
					Total	**1650**
05-Sep	IP Survey.	G	100W	0	300	300
		G	150W	-150	300	450
		G	200W	-300	300	600
	Establish 600m AB on Line 50W, 200S to 425N.					
	IP Survey.	G	100W	-100	300	400
		G	0	-100	300	400
	Establish 400m AB on Line 50W, 200S to 200N.					
	IP Survey.	G	100W	-100	125	225
		G	0	-100	125	225
	Chopper all equipment back to camp.				Total	**2600**
06-Sep	Pack equipment and Demob by plane to Whitehorse.					
07-Sep	Demob to Vancouver.					
09-Aug	Demob to Toronto.					
				Total IP Coverage:		24100

APPENDIX D [illegible]

INSTRUMENT SPECIFICATIONS:

IRIS ELREC 6 Receiver
(from IRIS Instruments IP 6 Operating Manual)

Weather proof case

Dimensions:	31 cm x 21 cm x 21 cm
Weight:	6 kg with dry cells 7.8 kg with rechargeable bat.
Operating temperature:	-20°C to 70°C (-40°C to 70°C with optional screen heater)
Storage:	(-40°C to 70°C)
Power supply:	6 x 1.5 V dry cells (100 hr. @ 20°C) or 2 x 6 V NiCad rechargeable (in series) (50 hr. @ 20°C) or 1 x 12 V external
Input channels:	6
Input impedance:	10 M ohm
Input over voltage protection:	up to 1000 volts
Input voltage range:	10 V maximum on each dipole 15 V maximum sum over ch. 2 to 6
SP compensation:	6 automatic ± 10 V with linear drift correction up to 1 mV/s
Noise rejection:	50 to 60 Hz power line rejection 100 dB common mode rejection (for Rs= 0) automatic stacking
Primary voltage resolution:	1 µV after stacking
accuracy:	0.3% typically; maximum 1 over whole temperature range
Secondary voltage windows:	up to 10 windows; 3 preset window specs .plus fully programmable sampling.
Sampling rate:	10 ms
Synchronization accuracy:	10 ms, minimum 40 µV
Chargeability resolution:	0.1 mV/V
accuracy:	typically 0.6%. maximum 2% of reading ± 1 mV/V for V_p > 10 mV
Battery test:	manual and automatic before each measurement
Grounding resistance:	0.1 to 467 kohm
Memory capacity:	2505 records, 1 dipole/record
Data transfer:	serial link @ 300 to 19200 baud

APPENDIX D

IRIS IP 6 DUMP FILE FORMAT

```
*  IP 6 (V9.1) *
*==================*

#77    Jul 1 1980      11:57
   dipole 1 trigger 1 domain Time T wave
   Programmable wind. Grad. RCTGL array

   V= 331.605 Sp= -319 I= 1350.00 Rs= 0.50
   Ro= 6679.4 Ohm-m  M= 11.97 E= 0.4
   M1= 40.44 M2= 33.55 M3= 29.48 M4= 26.68
   M5= 20.95 M6= 15.52 M7= 12.50 M8= 9.77
   M9= 7.50 M10= 6.05

   cycle 19 Time= 2000 V_D= 1260 M_D= 40
   T_M1= 20 T_M2= 30 T_M3= 30 T_M4= 30
   T_M5= 180 T_M6= 180 T_M7= 180 T_M8= 360
   T_M9= 360 T_M10= 360

   Spacing config. : Imperial grid
    XP=-1300.0 Line= 400.0
     D= -100.0 AB/2= 2500.0

#78    Jul 1 1980      11:57
   dipole 2 trigger 1 domain Time T wave
   Programmable wind. Grad. RCTGL array

   V= 265.781 Sp= 388 I= 1350.00 Rs= 1.41
   Ro= 4687.7 Ohm-m  M= 26.75 E= 0.0
   M1= 76.18 M2= 66.06 M3= 59.31 M4= 54.53
   M5= 44.38 M6= 34.29 M7= 28.35 M8= 22.83
   M9= 18.06 M10= 14.96

   cycle 19 Time= 2000 V_D= 1260 M_D= 40
   T_M1= 20 T_M2= 30 T_M3= 30 T_M4= 30
   T_M5= 180 T_M6= 180 T_M7= 180 T_M8= 360
   T_M9= 360 T_M10= 360

   Spacing config. : Imperial grid
    XP=-1400.0 Line= 400.0
     D= -100.0 AB/2= 2500.0
```

APPENDIX D

PHOENIX IP TRANSMITTER MODEL IPT-1

Power Sources:	Phoenix MG-3 (2.5KVA, 60V, 3 phase, 400 Hz) motor generator
Output Voltage:	75 to 1200V in 5 steps. 75 - 150 - 300 - 600 - 1200V Voltage is continuously variable ± 20% from each nominal step value.
Output Power:	Maximum continuous output power is 2.5KW.
Maximum Current:	10 Amps
Ammeter Ranges:	50m A, 100m A, 500mA, 1A, 3A, and 10A full scale.
Meter Display: status,	A meter function switch selects the display of current level, regulation input frequency, output voltage, line voltage
Current regulation:	The change in output current is less than 0.2% for a 10% change in input voltage or electrode impedance. Regulation is achieved by feedback to the alternator of the motor generator unit.
Output waveform:	Either DC, single frequency, two frequencies simultaneously, or time domain (50% duty cycle). Frequencies of 0.078, 0.156, 0.313, 1.25, 2.5 and 5.0 Hz are standard, whereas 0.062, 0.125, 0.25, 1.0, 2.0 and 4.0 Hz are optionally available. The simultaneous transmission mode has 0.313 and 5.0 Hz as standard, whereas 0.156 and 2.5 Hz are optional.
Operating Temperature:	-40°C to +60°C
Frequency Stability:	±1% from -40°C to +60°C is standard. A precision time base is optionally available for coherent detection and phase IP measurements.
Transient Protection:	Current is turned off automatically if it exceeds 150% full scale or is less than 5% full scale.
Dimensions:	18cm x 40cm x 53cm
Weight:	22 kg

APPENDIX E

LIST OF MAPS

- **Plan Maps at scale of (1:2500):**

1. Posted/Contoured TOTAL CHARGEABILITY:	#:P-235-PLAN-CHG-1 (Craig)
2.	#:P-235-PLAN-CHG-2 (Val)
3.	#:P-235-PLAN-CHG-3 (Vera)
4. Posted/Contoured APPARENT RESISTIVITY:	#:P-235-PLAN-RES-1 (Craig)
5.	#:P-235-PLAN-RES-2 (Val)
6.	#:P-235-PLAN-RES-3 (Vera)
TOTAL PLANS	**6**

- **Posted/contoured Stacked Realsection Maps (1:2000):**

LINE	TOTAL CHARGEABILITY / APPARENT RESISTIVITY
1. 0+00W	R-235-RSIP-0+00W
2. 100+00W	R-235-RSIP-100+00W
3. 52+50E	R-235-RSIP-52+50E
4. 53+00E	R-235-RSIP-53+00E
5. 53+50E	R-235-RSIP-53+50E
6. 98+00N	R-235-RSIP-98+00N
7. 99+00N	R-235-RSIP-99+00N
8. 99+50N	R-235-RSIP-99+50N
TOTAL REALSECTIONS	**8**

APPENDIX F

MAPS AND SECTIONS

Concluding Remarks

The 1998 field season resulted in an excellent review of the Val, Vera, Rusty and KLA claims. The project leader, Mr. George Sivertz, provided the Manson Creek Crew with valuable knowledge of what had been done on the property in previous years thus filling some of the data gaps. Previously known showings were confirmed, mapped and sampled and previous diamond drill hole locations were verified. Two new showings were found, the Marco and Jorge. The various showings were classified by G. Sivertz and these results can be used to assess other showings found in the area. As suggested by G. Sivertz complete geological mapping of specific areas on the west side of Rusty Mountain west towards the A-Zone and south towards the Stromatolite Zone needs to be done. Soil sampling may be appropriate in areas where overburden is thin to follow-up the stream sediment anomalies.

In the 1999 spring planning session for the Nad Claims areas with anomalous stream sediment results will be examined in detail especially in the Nad 91 Claim area. The possibility of finding a volcanogenic massive sulphide deposit on the Nad Claims must be further evaluated in light of the local high copper and gold values. The intrusive rock units on both the claim blocks must be mapped out to determine their importance in relation to the mineralization.

The Induced Polarization surveys have proven that this geophysical method does work and further Real Section Induced Polarization surveys are planned for the Vera Zone and the Big Red/Little Red Zones.

The recommendation to fly a helicopter radiometrics, magnetic and EM survey over the land holdings is valid and will be discussed for the 1999 field season. If a VMS style deposit is present on the property an airborne survey should detect it. An airborne geophysical survey would also help to relate the known showings to one another if they display a similar geophysical signature.

Certificate of Qualifications

I, Jennifer Eaton, having my place of residence at 4002-19th Street S.W., Calgary, AB do hereby certify that:

1: I am a qualified geologist having obtained my Bachelor of Science Degree (Honours) in Geology from Queen's University at Kingston in 1983.

2: I am a professional geologist registered with the Association of Professional Engineers, Geologists and Geophysicists of Alberta (APEGGA).

3: I am a Fellow of the Geological Association of Canada.

4: I have practised the profession of exploration geology since 1983.

5: I have no share holdings in Manson Creek Resources Ltd. I do hold an option to acquire 30,00 Shares by June 1st, 2001.

Respectfully submitted by:

Jennifer Eaton

Jennifer R. Eaton, B.Sc., P. Geol.

List of References

Title	Author	Company who wrote report/	Date	Project	NTS
Air Photos for all current claims.	Government	Government	Jul-96	Rackla Project	106C,D
Blue Lite Property Drill Hole 79-0		Coates	Sep-79	Blue Lite	106 D 1
Claims Summary 1985 Assess	George Sivertz	Prism Resources	Feb-85	Rackla Project	106C3,4,5,6, 106D1,2,7,8
General Non-Technical Articles	Various	Manson Creek	Mar-98	Rackla Project	106C/3,4,5,6 106D/1,2,7,8
Guidelines for a reconnaissance	Stephen D. Amor, Ph.D	Consultant	Sep-98	Rackla Project	106 C,106 D
Kathleen Lakes Report	J.H. Montgomery	Montgomery Consultants	Aug-97	Kathleen Lakes	106 D 1
MCK-YK-01 Claim Maps NT	Indian & Northern Affairs Canad	Indian & Northern Affairs Canada	Nov-97	Rackla Project	105M/13
MCK-YK-01 Claim Maps NT	Indian & Northern Affairs Canad	Indian & Northern Affairs Canada	Nov-97	Rackla Project	105M/14
MCK-YK-01 Claim Maps NT	Indian & Northern Affairs Canad	Indian & Northern Affairs Canada	Nov-97	Rackla Project	105M/15
MCK-YK-01 Claim Maps NT	Indian & Northern Affairs Canad	Indian & Northern Affairs Canada	Nov-91	Rackla Project	106C/11
MCK-YK-01 Claim Maps NT	Indian & Northern Affairs Canad	Indian & Northern Affairs Canada	Oct-94	Rackla Project	106C/12
MCK-YK-01 Claim Maps NT	Indian & Northern Affairs Canad	Indian & Northern Affairs Canada	Nov-91	Rackla Project	106C/2
MCK-YK-01 Claim Maps NT	Indian & Northern Affairs Canad	Indian & Northern Affairs Canada	Nov-97	Rackla Project	106C/3
MCK-YK-01 Claim Maps NT	Indian & Northern Affairs Canad	Indian & Northern Affairs Canada	Feb-94	Rackla Project	106C/4
MCK-YK-01 Claim Maps NT	Indian & Northern Affairs Canad	Indian & Northern Affairs Canada	Feb-97	Rackla Project	106C/5
MCK-YK-01 Claim Maps NT	Indian & Northern Affairs Canad	Indian & Northern Affairs Canada	Nov-91	Rackla Project	106C/6
MCK-YK-01 Claim Maps NT	Indian & Northern Affairs Canad	Indian & Northern Affairs Canada	May-81	Rackla Project	106C/7
MCK-YK-01 Claim Maps NT	Indian & Northern Affairs Canad	Indian & Northern Affairs Canada	Oct-80	Rackla Project	106C/8
MCK-YK-01 Claim Maps NT	Indian & Northern Affairs Canad	Indian & Northern Affairs Canada	Nov-95	Rackla Project	106D/1

Title			Author	Company who wrote report/	Date	Project	NTS
MCK-YK-01	Claim Maps	NT	Indian & Northern Affairs Canad	Indian & Northern Affairs Canada	Nov-97	Rackla Project	106D/2
MCK-YK-01	Claim Maps	NT	Indian & Northern Affairs Canad	Indian & Northern Affairs Canada	Nov-97	Rackla Project	106D/3
MCK-YK-01	Claim Maps	NT	Indian & Northern Affairs Canad	Indian & Northern Affairs Canada	Nov-97	Rackla Project	106D/4
MCK-YK-01	Claim Maps	NT	Indian & Northern Affairs Canad	Indian & Northern Affairs Canada	Aug-94	Rackla Project	106D/8
MCK-YK-01	Claim Maps	NT	Indian & Northern Affairs Canad	Indian & Northern Affairs Canada	Oct-74	Rackla Project	106D/9
MCK-YK-01	Vera Project - Mic		M.J.A. Vreugde	Prism	Feb-82	Rackla Project	106C/5
MCK-YK-01	1980 Diamond Drill		Shelly James	Canadian Superior Exploration	Oct-80	Rackla Project	106C/3,4
MCK-YK-01	Assessment Repor		George Cavey	Prism	Sep-79	Rackla Project	106C,D
MCK-YK-01	Assessment Repor		George Sivertz	Prism	Jul-81	Rackla Project	106C/4,5
MCK-YK-01	Assessment Repor		George Sivertz	Prism	Jul-81	Rackla Project	106C/4,5
MCK-YK-01	Assessment Repor		George Sivertz	Prism	Jun-80	Rackla Project	106C/4,5
MCK-YK-01	Assessment Repor		Donald Penner	Prism	Sep-80	Rackla Project	106C/5
MCK-YK-01	Claim Abstracts 19		Indian & Northern Affairs Canad	Indian & Northern Affairs Canada	Apr-81	Rackla Project	106C/5, 106D/6
MCK-YK-01	Geological Report		R.G. Gifford	McIntyre Mines	Sep-77	Rackla Project	106C/3,4
MCK-YK-01	Geology Map of Sh		GSC	GSC	Nov-61	Rackla Project	105J
MCK-YK-01	Geology Maps - Na		Gological Survey Ottawa	Gological Survey Ottawa	Nov-73	Rackla Project	106C
MCK-YK-01	Geology Maps - Na		GSC	GSC	Nov-72	Rackla Project	106D
MCK-YK-01	GSC Open File 20		GSC	GSC	Jun-74	Rackla Project	106B,C
MCK-YK-01	GSC Open File 20		GSC	GSC	Jun-74	Rackla Project	105, 106
MCK-YK-01	Kathleen Lakes Cl		N/A	N/A	Jan-75	Rackla Project	106C,D
MCK-YK-01	Prism Annual Rep		Prism Resources Ltd.	Prism Resources Ltd.	Jun-83	Rackla Project	105,106

Title	Author	Company who wrote report/	Date	Project	NTS
MCK-YK-01 Proposed Staking,	Stephen Butrenchuk	Golden Rule	Feb-96	Rackla Project	106C,D
MCK-YK-01 Report on the sout	Prism	Prism	Jan-82	Rackla Project	106C/4,5
MCK-YK-01 Technical File	various	various	Nov-96	Rackla Project	106C,D
MCK-YK-01 Vera Project - Met	Prism	Prism	Nov-81	Rackla Project	106C/5
MCK-YK-01 Vera Project - Prog	Prism	Prism	Mar-82	Rackla Project	106C/5
MCK-YK-01 Vera Project - Sect	Prism	Prism	Oct-84	Rackla Project	106C/5
MCK-YK-01 Vera Project - Und	E & B Explorations for Prism	E & B Explorations for Prism	Nov-81	Rackla Project	106C/5
MCK-YK-01 Yukon Geology Ma	GSC	GSC	Sep-63	Rackla Project	106C,D
Prism Promotional Info to 1985	Earl Dodson	Prism Resources	Dec-85	Rackla Project	106C/3,4,5,6, 106D1,2,7,8
Report on the Vera and South R		Prism Resources	Aug-81	Rackla Project	106 C 5
Report on Val-Vera Property	W.G. Timmins	Manson Creek	Jun-88	Rackla Project	106 C 5
VERA Cross Sections	Various		Oct-84	Rackla Project	106 C 5
Yukon-Miner's directory 1995	Unknown	N/A	Jan-95	N/A	N/A
ZAP Drill Hole Logs 1978 and 1	Montgomery and Grond	Coates	Aug-78	ZAP	106 D 1

Volume 2

APPENDICES for

Geochemical, Geological and Geophysical Assessment Report for the Val, Vera, Rusty, KLA, Nad and Craig Claims, Mayo Mining District, Yukon Territory

Manson Creek Resources Ltd.

APPENDIX I

Tables of Claim Names, Grant Numbers and Anniversary Dates for the Vera, Val, Rusty, KLA, Nad and Craig Claims.

VERA CLAIMS 13-18, 37-46, 117-124, 130, 132, 134 and 136

Claim Name	Grant Number	NTS	Date Recorded	Expiry Date
Vera 13	YA37394	106C/5	08/08/78	15/01/99
Vera 14	YA37395	106C/5	08/08/78	15/01/99
Vera 15	YA37396	106C/5	08/08/78	15/01/99
Vera 16	YA37397	106C/5	08/08/78	15/01/99
Vera 17	YA37398	106C/5	08/08/78	15/01/99
Vera 18	YA37399	106C/5	08/08/78	15/01/99
Vera 37	YA37418	106C/5	08/08/78	15/01/99
Vera 38	YA37419	106C/5	08/08/78	15/01/99
Vera 39	YA37420	106C/5	08/08/78	15/01/99
Vera 40	YA37421	106C/5	08/08/78	15/01/99
Vera 41	YA37422	106C/5	08/08/78	15/01/99
Vera 42	YA37423	106C/5	08/08/78	15/01/99
Vera 43	YA37424	106C/5	08/08/78	15/01/99
Vera 44	YA37425	106C/5	08/08/78	15/01/99
Vera 45	YA37426	106C/5	08/08/78	15/01/99
Vera 46	YA37427	106C/5	08/08/78	15/01/99
Vera 117	YA37498	106C/5	08/08/78	15/01/99
Vera 118	YA37499	106C/5	08/08/78	15/01/99
Vera 119	YA37500	106C/5	08/08/78	15/01/99
Vera 120	YA37501	106C/5	08/08/78	15/01/99
Vera 121	YA37502	106C/5	08/08/78	15/01/99
Vera 122	YA37503	106C/5	08/08/78	15/01/99
Vera 123	YA37504	106C/5	08/08/78	15/01/99
Vera 124	YA37505	106C/5	08/08/78	15/01/99
Vera 130	YA37511	106C/5	08/08/78	15/01/99
Vera 132	YA37513	106C/5	08/08/78	15/01/99
Vera 134	YA37515	106C/5	08/08/78	15/01/99
Vera 136	YA37517	106C/5	08/08/78	15/01/99

These claims are owned by Prism Resources and Manson Creek has an option to earn 50% interest.

VERA CLAIMS 77-80 and 87-90

Claim Name	Grant Number	NTS	Date Recorded	Expiry Date
North Grid	**Zone**			
Vera 77	YA37458	106C/5	08/08/78	15/01/99
Vera 78	YA37459	106C/5	08/08/78	15/01/99
Vera 79	YA37460	106C/5	08/08/78	15/01/99
Vera 80	YA37461	106C/5	08/08/78	15/01/99
Stromatolite	**Zone**			
Vera 87	YA37486	106C/5	08/08/78	15/01/99
Vera 88	YA37487	106C/5	08/08/78	15/01/99
Vera 89	YA37488	106C/5	08/08/78	15/01/99
Vera 90	YA37489	106C/5	08/08/78	15/01/99

Total Number of Vera Claims	36
Total Number of hectares	752.4

All Vera Claims are covered by assessment for 5 years.

These claims are owned by Prism Resources and Manson Creek has an option to earn 50% interest.

VAL CLAIMS

Claim Name	Grant Number	NTS	Date Recorded	Expiry Date
Val 2	YA30885	106C/4,5	19/07/78	19/01/99
Val 4	YA30887	106C/4,5	19/07/78	19/01/99
Val 5	YA30888	106C/4,5	19/07/78	19/01/99
Val 6	YA30889	106C/4,5	19/07/78	19/01/99
Val 7	YA30890	106C/4,5	19/07/78	19/01/99
Val 8	YA30891	106C/4,5	19/07/78	19/01/99
Val 9	YA30892	106C/4,5	19/07/78	19/01/99
Val 10	YA30893	106C/4,5	19/07/78	19/01/99
Val 11	YA30894	106C/4,5	19/07/78	19/01/99
Val 12	YA30895	106C/4,5	19/07/78	19/01/99
Val 13	YA30896	106C/4,5	19/07/78	19/01/99
Val 14	YA30897	106C/4,5	19/07/78	19/01/99
Val 15	YA30898	106C/4,5	19/07/78	19/01/99
Val 16	YA30899	106C/4,5	19/07/78	19/01/99
Val 17	YA30900	106C/4,5	19/07/78	19/01/99
Val 18	YA30901	106C/4,5	19/07/78	19/01/99
Val 19	YA30902	106C/4,5	19/07/78	19/01/99
Val 20	YA30903	106C/4,5	19/07/78	19/01/99
Val 21	YA30904	106C/4,5	19/07/78	19/01/99
Val 22	YA30905	106C/4,5	19/07/78	19/01/99
Val 23	YA30906	106C/4,5	19/07/78	19/01/99
Val 24	YA30907	106C/4,5	19/07/78	19/01/99
Val 25	YA30908	106C/4,5	19/07/78	19/01/99
Val 26	YA30909	106C/4,5	19/07/78	19/01/99
Val 27	YA30910	106C/4,5	19/07/78	19/01/99
Val 28	YA30911	106C/4,5	19/07/78	19/01/99
Val 29	YA30912	106C/4,5	19/07/78	19/01/99
Val 30	YA30913	106C/4,5	19/07/78	19/01/99
Val 31	YA30914	106C/4,5	19/07/78	19/01/99
Val 32	YA30915	106C/4,5	19/07/78	19/01/99
Val 33	YA30916	106C/4,5	19/07/78	19/01/99
Val 34	YA30917	106C/4,5	19/07/78	19/01/99
Val 35	YA30918	106C/4,5	19/07/78	19/01/99
Val 36	YA30919	106C/4,5	19/07/78	19/01/99
Val 37	YA30920	106C/4,5	19/07/78	19/01/99
Val 38	YA30921	106C/4,5	19/07/78	19/01/99
Val 39	YA30922	106C/4,5	19/07/78	19/01/99
Val 40	YA30923	106C/4,5	19/07/78	19/01/99
Val 41	YA30924	106C/4,5	19/07/78	19/01/99
Val 42	YA30925	106C/4,5	19/07/78	19/01/99
Val 43	YA30926	106C/4,5	19/07/78	19/01/99
Val 44	YA30927	106C/4,5	19/07/78	19/01/99
Val 45	YA30928	106C/4,5	19/07/78	19/01/99
Val 46	YA30929	106C/4,5	19/07/78	19/01/99
Val 47	YA30930	106C/4,5	19/07/78	19/01/99
Val 48	YA30931	106C/4,5	19/07/78	19/01/99
Val 49	YA30932	106C/4,5	19/07/78	19/01/99
Val 50	YA30933	106C/4,5	19/07/78	19/01/99

These claims are owned by Prism Resources and Manson Creek has an option to earn a 50% interest.

VAL CLAIMS

Claim Name	Grant Number	NTS	Date Recorded	Expiry Date
Val 51	YA30934	106C/4,5	19/07/78	19/01/99
Val 52	YA30935	106C/4,5	19/07/78	19/01/99
Val 53	YA30936	106C/4,5	19/07/78	19/01/99
Val 54	YA30937	106C/4,5	19/07/78	19/01/99
Val 71	YA37144	106C/4,5	28/07/78	19/01/99
Val 73	YA37146	106C/4,5	28/07/78	19/01/99
Val 75	YA37148	106C/4,5	28/07/78	19/01/99
Val 77	YA37150	106C/4,5	28/07/78	19/01/99
Val 83	YA37156	106C/4,5	28/07/78	19/01/99
Val 84	YA37157	106C/4,5	28/07/78	19/01/99
Val 85	YA37158	106C/4,5	28/07/78	19/01/99
Val 86	YA37159	106C/4,5	28/07/78	19/01/99
Val 87	YA37160	106C/4,5	28/07/78	19/01/99
Val 88	YA37161	106C/4,5	28/07/78	19/01/99
Val 89	YA37162	106C/4,5	28/07/78	19/01/99
Val 90	YA37163	106C/4,5	28/07/78	19/01/99
Val 91	YA37164	106C/4,5	28/07/78	19/01/99
Val 92	YA37165	106C/4,5	28/07/78	19/01/99
Val 93	YA37166	106C/4,5	28/07/78	19/01/99
Val 94	YA37167	106C/4,5	28/07/78	19/01/99
Val 95	YA37168	106C/4,5	28/07/78	19/01/99
Val 96	YA37169	106C/4,5	28/07/78	19/01/99
Val 97	YA37170	106C/4,5	28/07/78	19/01/99
Val 98	YA37171	106C/4,5	28/07/78	19/01/99
Val 99	YA37172	106C/4,5	28/07/78	19/01/99
Val 100	YA37173	106C/4,5	28/07/78	19/01/99
Val 101	YA37174	106C/4,5	28/07/78	19/01/99
Val 102	YA37175	106C/4,5	28/07/78	19/01/99
Val 103	YA37176	106C/4,5	28/07/78	19/01/99
Val 104	YA37177	106C/4,5	28/07/78	19/01/99
Val 105	YA37178	106C/4,5	28/07/78	19/01/99
Val 106	YA37179	106C/4,5	28/07/78	19/01/99
Val 107	YA37180	106C/4,5	28/07/78	19/01/99
Val 108	YA37181	106C/4,5	28/07/78	19/01/99
Val 109	YA37182	106C/4,5	28/07/78	19/01/99
Val 110	YA37183	106C/4,5	28/07/78	19/01/99
Val 111	YA37184	106C/4,5	28/07/78	19/01/99
Val 112	YA37185	106C/4,5	28/07/78	19/01/99
Val 113	YA37186	106C/4,5	28/07/78	19/01/99
Val 114	YA37187	106C/4,5	28/07/78	19/01/99
Val 115	YA37188	106C/4,5	28/07/78	19/01/99
Val 116	YA37189	106C/4,5	28/07/78	19/01/99
Val 117	YA37190	106C/4,5	28/07/78	19/01/99
Val 118	YA37191	106C/4,5	28/07/78	19/01/99
Val 119	YA37192	106C/4,5	28/07/78	19/01/99
Val 120	YA37193	106C/4,5	28/07/78	19/01/99
Val 121	YA37194	106C/4,5	28/07/78	19/01/99
Val 122	YA37195	106C/4,5	28/07/78	19/01/99

These claims are owned by Prism Resources and Manson Creek has an option to earn a 50% interest.

VAL CLAIMS

Claim Name	Grant Number	NTS	Date Recorded	Expiry Date
Val 123	YA37196	106C/4,5	28/07/78	19/01/99
Val 124	YA37197	106C/4,5	28/07/78	19/01/99
Val 125	YA37198	106C/4,5	28/07/78	19/01/99
Val 126	YA37199	106C/4,5	28/07/78	19/01/99
Val 127	YA37200	106C/4,5	28/07/78	19/01/99
Val 128	YA37201	106C/4,5	28/07/78	19/01/99
Val 129	YA37202	106C/4,5	28/07/78	19/01/99
Val 130	YA37203	106C/4,5	28/07/78	19/01/99
Val 131	YA37204	106C/4,5	28/07/78	19/01/99
Val 132	YA37205	106C/4,5	28/07/78	19/01/99
Val 133	YA37206	106C/4,5	28/07/78	19/01/99
Val 134	YA37207	106C/4,5	28/07/78	19/10/99
Val 135	YA37208	106C/4,5	28/07/78	19/01/99
Val 136	YA37209	106C/4,5	28/07/78	19/10/99
Val 137	YA37210	106C/4,5	28/07/78	19/01/99
Val 138	YA37211	106C/4,5	28/07/78	19/10/99
Val 139	YA37212	106C/4,5	28/07/78	19/01/99
Val 140	YA37213	106C/4,5	28/07/78	19/10/99
Val 141	YA37214	106C/4,5	28/07/78	19/01/99
Val 142	YA37215	106C/4,5	28/07/78	19/10/99
Val 143	YA37216	106C/4,5	28/07/78	19/01/99
Val 144	YA37217	106C/4,5	28/07/78	19/10/99
Val 163	YA37236	106C/4,5	28/07/78	19/01/99
Val 165	YA37238	106C/4,5	28/07/78	19/01/99
Val 166	YA37239	106C/4,5	28/07/78	19/01/99
Val 167	YA37240	106C/4,5	28/07/78	19/01/99
Val 168	YA37241	106C/4,5	28/07/78	19/01/99
Val 169	YA37242	106C/4,5	28/07/78	19/01/99
Val 170	YA37243	106C/4,5	28/07/78	19/01/99
Val 171	YA37244	106C/4,5	28/07/78	19/01/99
Val 172	YA37245	106C/4,5	28/07/78	19/01/99
Val 173	YA37246	106C/4,5	28/07/78	19/01/99
Val 174	YA37247	106C/4,5	28/07/78	19/01/99
Val 175	YA37248	106C/4,5	28/07/78	19/01/99
Val 176	YA37249	106C/4,5	28/07/78	19/01/99
Val 177	YA37250	106C/4,5	28/07/78	19/01/99
Val 178	YA37251	106C/4,5	28/07/78	19/01/99
Val 179	YA37252	106C/4,5	28/07/78	19/01/99
Val 180	YA37253	106C/4,5	28/07/78	19/01/99
Val 205	YA37278	106C/4,5	28/07/78	19/01/99
Val 206	YA37279	106C/4,5	28/07/78	19/01/99
Val 207	YA37280	106C/4,5	28/07/78	19/01/99
Val 208	YA37281	106C/4,5	28/07/78	19/01/99
Val 209	YA37282	106C/4,5	28/07/78	19/01/99
Val 210	YA37283	106C/4,5	28/07/78	19/01/99
Val 211	YA37284	106C/4,5	28/07/78	19/01/99
Val 212	YA37285	106C/4,5	28/07/78	19/01/99
Val 213	YA37286	106C/4,5	28/07/78	19/01/99

These claims are owned by Prism Resources and Manson Creek has an option to earn a 50% interest.

VAL CLAIMS

Claim Name	Grant Number	NTS	Date Recorded	Expiry Date
Val 214	YA37287	106C/4,5	28/07/78	19/01/99
Val 215	YA37288	106C/4,5	28/07/78	19/01/99
Val 216	YA37289	106C/4,5	28/07/78	19/01/99
Val 217	YA37290	106C/4,5	28/07/78	19/01/99
Val 218	YA37291	106C/4,5	28/07/78	19/01/99
Val 219	YA37292	106C/4,5	28/07/78	19/01/99
Val 220	YA37293	106C/4,5	28/07/78	19/01/99
Val 221	YA37294	106C/4,5	28/07/78	19/01/99
Val 222	YA37295	106C/4,5	28/07/78	19/01/99
Val 247	YA37320	106C/4,5	28/07/78	19/01/99
Val 249	YA37322	106C/4,5	28/07/78	19/01/99
Val 251	YA37324	106C/4,5	28/07/78	19/01/99
Val 253	YA37326	106C/4,5	28/07/78	19/01/99
Val 255	YA37328	106C/4,5	28/07/78	19/01/99
Val 257	YA37330	106C/4,5	28/07/78	19/01/99
Val 259	YA37332	106C/4,5	28/07/78	19/01/99
Val 261	YA37334	106C/4,5	28/07/78	19/01/99
Val 263	YA37336	106C/4,5	28/07/78	19/01/99

Val Claims in this list 162

These claims are owned by Prism Resources and Manson Creek has an option to earn a 50% interest.

VAL CLAIMS 295-298, and 307-310

Claim Name	Grant Number	NTS	Date Recorded	Expiry Date	
Val 295	YA37954	106C/4,5	28/07/78	19/01/99	Grouped with Rusty 88-92
Val 296	YA37955	106C/4,5	28/07/78	19/01/99	Grouped with Rusty 88-92
Val 297	YA37956	106C/4,5	28/07/78	19/01/99	Grouped with Rusty 88-92
Val 298	YA37957	106C/4,5	28/07/78	19/01/99	Grouped with Rusty 88-92
Val 307	YA37966	106C/4,5	28/07/78	19/01/99	Grouped with Rusty 88-92
Val 308	YA37967	106C/4,5	28/07/78	19/01/99	Grouped with Rusty 88-92
Val 309	YA37968	106C/4,5	28/07/78	19/01/99	Grouped with Rusty 88-92
Val 310	YA37969	106C/4,5	28/07/78	19/01/99	Grouped with Rusty 88-92

Val Claims in this list 8

Total Number of Val Claims 170
Total Area of Claims in Hectares 3553

All Val Claims (162) except Val 295-298 and 307 to 310 (8) are covered by assessment for 5 years.
Val 295-298 and 307-310 are grouped with Rusty 88-92 and are covered by assessment for 3 years.

These claims are owned by Prism Resources and Manson Creek has an option to earn a 50% interest.

Rusty Claims

Claim Name	Grant Number	NTS	Owner	Date Recorded	Expiry Date
Rusty 1	YB99989	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 2	YB99990	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 3	YB99991	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 4	YB99992	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 5	YB99993	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 6	YB99994	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 11	YB99999	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 12	YC00001	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 13	YC00002	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 14	YC00003	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 15	YC00004	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 16	YC00005	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 17	YC00006	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 18	YC00007	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 19	YC00008	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 20	YC00009	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 21	YC00010	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 22	YC00011	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 23	YC00012	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 24	YC00013	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 25	YC00014	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 26	YC00015	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 27	YC00016	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 28	YC00017	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 29	YC00018	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 30	YC00019	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 31	YC00020	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 32	YC00021	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 33	YC00022	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 34	YC00023	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 35	YC00024	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 36	YC00025	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 37	YC00026	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 38	YC00027	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 39	YC00028	106C/5	Manson Creek 100%	27/10/97	27/10/98

There is a total of 127 Rusty Claims with October 27, 1998 as their anniversary date.

Rusty Claims

Claim Name	Grant Number	NTS	Owner	Date Recorded	Expiry Date
Rusty 40	YC00029	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 41	YC00030	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 42	YC00031	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 43	YC00032	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 44	YC00033	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 45	YC00034	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 46	YC00035	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 47	YC00036	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 48	YC00037	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 49	YC00038	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 50	YC00039	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 51	YC00040	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 52	YC00041	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 53	YC00042	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 54	YC00043	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 55	YC00044	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 56	YC00045	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 57	YC00046	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 58	YC00047	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 59	YC00048	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 60	YC00049	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 61	YC00050	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 62	YC00051	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 63	YC00052	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 64	YC00053	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 65	YC00054	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 66	YC00055	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 67	YC00056	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 68	YC00057	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 69	YC00058	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 70	YC00059	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 71	YC00060	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 72	YC00061	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 73	YC00062	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 74	YC00063	106C/5	Manson Creek 100%	27/10/97	27/10/98

There is a total of 127 Rusty Claims with October 27, 1998 as their anniversary date.

Rusty Claims

Claim Name	Grant Number	NTS	Owner	Date Recorded	Expiry Date	
Rusty 75	YC00064	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 76	YC00065	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 77	YC00066	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 78	YC00067	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 79	YC00068	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 80	YC00069	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 81	YC00070	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 82	YC00071	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 83	YC00072	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 84	YC00073	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 85	YC00074	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 86	YC00075	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 87	YC00076	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 88	YC00077	106C/5	Manson Creek 100%	27/10/97	27/10/98	Grouped with Val 295-298,307-310
Rusty 89	YC00078	106C/5	Manson Creek 100%	27/10/97	27/10/98	Grouped with Val 295-298,307-311
Rusty 90	YC00079	106C/5	Manson Creek 100%	27/10/97	27/10/98	Grouped with Val 295-298,307-312
Rusty 91	YC00080	106C/5	Manson Creek 100%	27/10/97	27/10/98	Grouped with Val 295-298,307-313
Rusty 92	YC00081	106C/5	Manson Creek 100%	27/10/97	27/10/98	Grouped with Val 295-298,307-314
Rusty 93	YC00082	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 94	YC00083	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 95	YC00084	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 96	YC00085	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 97	YC00086	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 98	YC00087	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 99	YC00088	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 100	YC00089	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 101	YC00090	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 102	YC00091	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 103	YC00092	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 104	YC00093	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 105	YC00094	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 106	YC00095	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 107	YC00096	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 108	YC00097	106C/5	Manson Creek 100%	27/10/97	27/10/98	
Rusty 109	YC00098	106C/5	Manson Creek 100%	27/10/97	27/10/98	

There is a total of 127 Rusty Claims with October 27, 1998 as their anniversary date.

Rusty Claims

Claim Name	Grant Number	NTS	Owner	Date Recorded	Expiry Date
Rusty 110	YC00099	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 111	YC00100	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 112	YC00101	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 113	YC00102	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 114	YC00103	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 115	YC00104	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 116	YC00105	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 117	YC00106	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 118	YC00107	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 119	YC00108	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 120	YC00109	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 121	YC00110	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 122	YC00111	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 123	YC00112	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 124	YC00113	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 125	YC00114	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 126	YC00115	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 127	YC00116	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 128	YC00117	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 129	YC00118	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 130	YC00119	106C/5	Manson Creek 100%	27/10/97	27/10/98
Rusty 131	YC00120	106C/5	Manson Creek 100%	27/10/97	27/10/98

There is a total of 127 Rusty Claims with October 27, 1998 as their anniversary date.

KLA CLAIMS

Claim Name	Grant Number	NTS	Date Recorded	Expiry Date
KLA 1	YB99845	106C/4	27/10/97	27/10/98
KLA 2	YB99846	106C/4	27/10/97	27/10/98
KLA 3	YB99847	106C/4	27/10/97	27/10/98
KLA 4	YB99848	106C/4	27/10/97	27/10/98
KLA 5	YB99849	106C/4	27/10/97	27/10/98
KLA 6	YB99850	106C/4	27/10/97	27/10/98
KLA 7	YB99851	106C/4	27/10/97	27/10/98
KLA 8	YB99852	106C/4	27/10/97	27/10/98
KLA 9	YB99853	106C/4	27/10/97	27/10/98
KLA 10	YB99854	106C/4	27/10/97	27/10/98
KLA 11	YB99855	106C/4	27/10/97	27/10/98
KLA 12	YB99856	106C/4	27/10/97	27/10/98
KLA 13	YB99857	106C/4	27/10/97	27/10/98
KLA 14	YB99858	106C/4	27/10/97	27/10/98
KLA 15	YB99859	106C/4	27/10/97	27/10/98
KLA 16	YB99860	106C/4	27/10/97	27/10/98
KLA 17	YB99861	106C/4	27/10/97	27/10/98
KLA 18	YB99862	106C/4	27/10/97	27/10/98
KLA 19	YB99863	106C/4	27/10/97	27/10/98
KLA 20	YB99864	106C/4	27/10/97	27/10/98
KLA 21	YB99865	106C/4	27/10/97	27/10/98
KLA 22	YB99866	106C/4	27/10/97	27/10/98
KLA 23	YB99867	106C/4	27/10/97	27/10/98
KLA 24	YB99868	106C/4	27/10/97	27/10/98
KLA 25	YB99869	106C/4	27/10/97	27/10/98
KLA 26	YB99870	106C/4	27/10/97	27/10/98
KLA 27	YB99871	106C/4	27/10/97	27/10/98
KLA 28	YB99872	106C/4	27/10/97	27/10/98
KLA 29	YB99873	106C/4	27/10/97	27/10/98
KLA 30	YB99874	106C/4	27/10/97	27/10/98
KLA 31	YB99875	106C/4	27/10/97	27/10/98
KLA 32	YB99876	106C/4	27/10/97	27/10/98
KLA 33	YB99877	106C/4	27/10/97	27/10/98
KLA 34	YB99878	106C/4	27/10/97	27/10/98
KLA 35	YB99879	106C/4	27/10/97	27/10/98
KLA 36	YB99880	106C/4	27/10/97	27/10/98
KLA 37	YB99881	106C/4	27/10/97	27/10/98
KLA 38	YB99882	106C/4	27/10/97	27/10/98
KLA 39	YB99883	106C/4	27/10/97	27/10/98
KLA 40	YB99884	106C/4	27/10/97	27/10/98
KLA 41	YB99885	106C/4	27/10/97	27/10/98
KLA 42	YB99886	106C/4	27/10/97	27/10/98
KLA 43	YB99887	106C/4	27/10/97	27/10/98
KLA 44	YB99888	106C/4	27/10/97	27/10/98
KLA 45	YB99889	106C/4	27/10/97	27/10/98
KLA 46	YB99890	106C/4	27/10/97	27/10/98
KLA 47	YB99891	106C/4	27/10/97	27/10/98
KLA 48	YB99892	106C/4	27/10/97	27/10/98

These Claims are owned 100% by Manson Creek Resources Ltd.

NAD CLAIMS
Summary

Claim Name	Grant Number	NTS	Date Recorded	Expiry Date
Nad 1	YB98288	106C/3	06/10/97	06/10/98
Nad 2	YB98289	106C/3	06/10/97	06/10/98
Nad 3	YB98290	106C/3	06/10/97	06/10/98
Nad 4	YB98291	106C/3	06/10/97	06/10/98
Nad 5	YB98292	106C/3	06/10/97	06/10/98
Nad 6	YB98293	106C/3	06/10/97	06/10/98
Nad 7	YB98294	106C/3	06/10/97	06/10/98
Nad 8	YB98295	106C/3	06/10/97	06/10/98
Nad 9	YB98296	106C/3	06/10/97	06/10/98
Nad 10	YB98297	106C/3	06/10/97	06/10/98
Nad 11	YB98298	106C/3	06/10/97	06/10/98
Nad 12	YB98299	106C/3	06/10/97	06/10/98
Nad 13	YB98300	106C/3	06/10/97	06/10/98
Nad 14	YB98301	106C/3	06/10/97	06/10/98
Nad 15	YB98302	106C/3	06/10/97	06/10/98
Nad 16	YB98303	106C/3	06/10/97	06/10/98
Nad 17	YB98304	106C/3	06/10/97	06/10/98
Nad 18	YB98305	106C/3	06/10/97	06/10/98
Nad 19	YB98306	106C/3	06/10/97	06/10/98
Nad 20	YB98307	106C/3	06/10/97	06/10/98
Nad 21	YB98308	106C/3	06/10/97	06/10/98
Nad 22	YB98309	106C/3	06/10/97	06/10/98
Nad 23	YB98310	106C/3	06/10/97	06/10/98
Nad 24	YB98311	106C/3	06/10/97	06/10/98
Nad 25	YB98312	106C/3	06/10/97	06/10/98
Nad 26	YB98313	106C/3	06/10/97	06/10/98
Nad 27	YB98314	106C/3	06/10/97	06/10/98
Nad 28	YB98315	106C/3	06/10/97	06/10/98
Nad 29	YB98316	106C/3	06/10/97	06/10/98
Nad 30	YB98317	106C/3	06/10/97	06/10/98
Nad 31	YB98318	106C/3	06/10/97	06/10/98
Nad 32	YB98319	106C/3	06/10/97	06/10/98
Nad 33	YB98320	106C/3	06/10/97	06/10/98
Nad 34	YB98321	106C/3	06/10/97	06/10/98
Nad 35	YB98322	106C/3	06/10/97	06/10/98
Nad 36	YB98323	106C/3	06/10/97	06/10/98
Nad 37	YB98324	106C/3	06/10/97	06/10/98
Nad 38	YB98325	106C/3	06/10/97	06/10/98
Nad 39	YB98326	106C/3	06/10/97	06/10/98
Nad 40	YB98327	106C/3	06/10/97	06/10/98
Nad 41	YB98328	106C/3	06/10/97	06/10/98
Nad 42	YB98329	106C/3	06/10/97	06/10/98
Nad 43	YB98330	106C/3	06/10/97	06/10/98
Nad 44	YB98331	106C/3	06/10/97	06/10/98
Nad 45	YB98332	106C/3	06/10/97	06/10/98
Nad 46	YB98333	106C/3	06/10/97	06/10/98
Nad 47	YB98334	106C/3	06/10/97	06/10/98
Nad 48	YB98335	106C/3	06/10/97	06/10/98

NAD CLAIMS

Summary

Claim Name	Grant Number	NTS	Date Recorded	Expiry Date
Nad 49	YB98336	106C/3	06/10/97	06/10/98
Nad 50	YB98337	106C/3	06/10/97	06/10/98
Nad 51	YB98338	106C/3	06/10/97	06/10/98
Nad 52	YB98339	106C/3	06/10/97	06/10/98
Nad 53	YB98340	106C/3	06/10/97	06/10/98
Nad 54	YB98341	106C/3	06/10/97	06/10/98
Nad 55	YB98342	106C/3	06/10/97	06/10/98
Nad 56	YB98343	106C/3	06/10/97	06/10/98
Nad 57	YB98344	106C/3	06/10/97	06/10/98
Nad 58	YB98345	106C/3	06/10/97	06/10/98
Nad 59	YB98346	106C/3	06/10/97	06/10/98
Nad 60	YB98347	106C/3	06/10/97	06/10/98
Nad 61	YB98348	106C/3	06/10/97	06/10/98
Nad 62	YB98349	106C/3	06/10/97	06/10/98
Nad 63	YB98350	106C/3	06/10/97	06/10/98
Nad 64	YB98351	106C/3	06/10/97	06/10/98
Nad 65	YB98352	106C/3	06/10/97	06/10/98
Nad 66	YB98353	106C/3	06/10/97	06/10/98
Nad 67	YB98354	106C/3	06/10/97	06/10/98
Nad 68	YB98355	106C/3	06/10/97	06/10/98
Nad 69	YB98356	106C/3	06/10/97	06/10/98
Nad 70	YB98357	106C/3	06/10/97	06/10/98
Nad 71	YB98358	106C/3	06/10/97	06/10/98
Nad 72	YB98359	106C/3	06/10/97	06/10/98
Nad 73	YB98360	106C/3	06/10/97	06/10/98
Nad 74	YB98361	106C/3	06/10/97	06/10/98
Nad 75	YB98362	106C/3	06/10/97	06/10/98
Nad 76	YB98363	106C/3	06/10/97	06/10/98
Nad 77	YB98364	106C/3	06/10/97	06/10/98
Nad 78	YB98365	106C/3	06/10/97	06/10/98
Nad 79	YB98366	106C/3	06/10/97	06/10/98
Nad 80	YB98367	106C/3	06/10/97	06/10/98
Nad 81	YB98368	106C/3	06/10/97	06/10/98
Nad 82	YB98369	106C/3	06/10/97	06/10/98
Nad 83	YB98370	106C/3	06/10/97	06/10/98
Nad 84	YB98371	106C/3	06/10/97	06/10/98
Nad 85	YB98372	106C/3	06/10/97	06/10/98
Nad 86	YB98373	106C/3	06/10/97	06/10/98
Nad 87	YB98374	106C/3	06/10/97	06/10/98
Nad 88	YB98375	106C/3	06/10/97	06/10/98
Nad 89	YB98376	106C/3	06/10/97	06/10/98
Nad 90	YB98377	106C/3	06/10/97	06/10/98
Nad 91	YB98378	106C/3	06/10/97	06/10/98
Nad 92	YB98379	106C/3	06/10/97	06/10/98
Nad 93	YB98380	106C/3	06/10/97	06/10/98
Nad 94	YB98381	106C/3	06/10/97	06/10/98
Nad 95	YB98382	106C/3	06/10/97	06/10/98
Nad 96	YB98383	106C/3	06/10/97	06/10/98

NAD CLAIMS
Summary

Claim Name	Grant Number	NTS	Date Recorded	Expiry Date
Nad 97	YB98384	106C/3	06/10/97	06/10/98
Nad 98	YB98385	106C/3	06/10/97	06/10/98
Nad 99	YB98386	106C/3	06/10/97	06/10/98
Nad 100	YB98387	106C/3	06/10/97	06/10/98
Nad 101	YB98388	106C/3	06/10/97	06/10/98
Nad 102	YB98389	106C/3	06/10/97	06/10/98
Nad 103	YB98390	106C/3	06/10/97	06/10/98
Nad 104	YB98391	106C/3	06/10/97	06/10/98
Nad 105	YB98392	106C/3	06/10/97	06/10/98
Nad 106	YB98393	106C/3	06/10/97	06/10/98
Nad 107	YB98394	106C/3	06/10/97	06/10/98
Nad 108	YB98395	106C/3	06/10/97	06/10/98
Nad 109	YB98396	106C/3	06/10/97	06/10/98
Nad 110	YB98397	106C/3	06/10/97	06/10/98
Nad 111	YB98398	106C/3	06/10/97	06/10/98
Nad 112	YB98399	106C/3	06/10/97	06/10/98
Nad 113	YB98400	106C/3	06/10/97	06/10/98
Nad 114	YB98401	106C/3	06/10/97	06/10/98
Nad 115	YB98402	106C/3	06/10/97	06/10/98
Nad 116	YB98403	106C/3	06/10/97	06/10/98
Nad 117	YB98404	106C/3	06/10/97	06/10/98
Nad 118	YB98405	106C/3	06/10/97	06/10/98
Nad 119	YB98406	106C/3	06/10/97	06/10/98

CRAIG CLAIMS

Claim Name	Grant Number	NTS	Owner	Operator	Date Recorded	Expiry Date
Craig 4	YA6247	106C/3	Falconbridge	Manson Creek	10/11/80	10/11/98
Craig 6	YA6249	106C/3	Falconbridge	Manson Creek	10/11/80	10/11/98
Craig 8	YA6251	106C/3	Falconbridge	Manson Creek	10/11/80	10/11/98
Craig 29	YA6272	106C/3	Falconbridge	Manson Creek	10/11/80	10/11/98
Craig 31	YA6274	106C/3	Falconbridge	Manson Creek	10/11/80	10/11/98

Total number of Craig Claims = 5

Assessment required for 1 year = $100.00 per claim

APPENDIX II

CD ROM of Landsat Images by Resource GIS and Imaging Ltd.

APPENDIX III

Excerpt from "Guidelines for a Reconnaissance Geochemical Program Nadaleen River Region, Yukon Territory" by Stephen D. Amor, Ph.D
11 September, 1998

GUIDELINES FOR A RECONNAISSANCE GEOCHEMICAL PROGRAM NADALEEN RIVER REGION, YUKON TERRITORY, CANADA

MANSON CREEK RESOURCES LTD.

Stephen D. Amor, Ph.D
11 September, 1998

4 RECOMMENDATIONS FOR 1998 FIELD PROGRAM

4.1 Equipment

4.1.1 Clothing

Rubber boots will be better than conventional field boots for this job. Rubber gloves, lined with cloth for warmth may be desirable if the stream waters are cold.

4.1.2 Sample Bags

For stream sediments, there is a choice between Kraft Bags and "Olefin" bags. In 1997, Deakin Equipment of Vancouver was selling the former for $22.50 per 100 (with possible discount for quantity) and the latter (which they refer to as "Hubco Sentry Sand Sample Bags") for $44.50/100. The Olefin bags are virtually indestructible, even when wet, but unless rough treatment is inevitable or likely, and if the Kraft bags are transported inside a polyethylene "Ore" bag ($9.95/100 from Deakin in 1997) for they should suffice and a saving will be effected. From 800 to 900 such bags will be needed to pack the samples in for transportation from site to camp.

For pan concentrates, Ore Bags are suitable. One bag should hold enough panned material but double-bagging is recommended for security. The double bag can be tied shut with flagging tape.

4.1.3 Sampling Tools

For stream sediments, it is possible to buy plastic sample scoops but it is cheaper (especially because they are constantly being lost) to make them out of long-handled plastic bottles. The base is cut off and half the wide part removed, to create a blade. The neck is used as a handle and extra moisture can be drained out through it. For pan-concentrates, the same plastic scoops can be used but they will wear out fast. A portable trenching tool will work better. If limited foot traverses are contemplated, a regular long-handled shovel can be used for both sample types.

The following suppliers may be able to provide with conical "Batea" Pans, which are preferable to flat-bottom pans, as well as sieves.

Robin C. Day
13416 103rd Ave
Edmonton AB
T5N 0S4 Ph. 403 455 9132 Fax 403 451 3270

Michael Milner
Ph. 416 465 0612

Each team's equipment should consist of two pans, plus sieves of approximately 1-2 cm, and of approximately 1-2 mm. Deakin also sells plastic bucket sieves (to fit 5-gallon pails; one per crew); the 8-mesh (1.8 mm) one would be the most suitable though ideally, a coarser one is also helpful. Neville Crosby sells a "Gold Panning Sieve" whose aperture width appears to be appropriate.

Panning can be very hard on the back muscles. If suitable trees are available each crew should have axes or machetes to fell them to make temporary seats.

Panning will take at least 60 minutes per site. It is suggested that at least two crews work simultaneously; with the helicopter alternating from one crew to the other.

4.1.5 Sample Storage
Racks should be built, under cover, in the base camp for drying the samples out. This will result in less shipping weight, and the Kraft bags (if used) will regain some of their strength.

4.2 Fieldwork
4.2.1 Priority
In order not to delay the program unduly, the sampling phase of the main survey was commenced before the results of the orientation survey were in, though preparation was delayed until after a preliminary interpretation was complete and an appropriate size fraction had been selected.

4.2.2 The Concept of Stream Order
This is a measure of the maturity and importance of a stream. There are various ways of defining it but the definition of Strahler ("Hypsometric [Area-Altitude] Analysis of Erosional Topography": Geol. Soc. Amer. Bull., 63 [1952], pp. 1117-1142) is favoured. According to this definition, a 1st Order Stream is one that has no tributaries, i.e. a very juvenile one (though this depends on the scale of the map being used -- the smaller the scale of the map, the fewer streams will be shown). When this 1st Order stream meets a another 1st Order Stream, the resulting confluence becomes 2nd Order, and in general, the order of a stream confluence increases by one whenever two streams of the same order meet. So a 2nd Order stream meeting another 2nd-Order Stream would create a 3rd-Order Stream; if it meets a 1st Order Stream, the confluence remains 2nd Order.

4.2.3 Sites
For planning purposes, it is helpful to create a colour-coded map showing the order of every stream. For a stream-sediment sampling program, whether reconnaissance or follow-up, samples should be collected from the lowest-order streams that the budget will allow (clearly, lower-order streams are the most abundant). For a panning/HMC program, there will be difficulty getting suitable material from 1st-Order streams and possibly 2nd-Order streams too.

Sample sites should be placed as close as possible to stream confluences, but high enough above them that backwash from one stream (during periods of high water) does not contaminate the other. That way it is usually possible to get two samples from one helicopter drop. Unless external factors such as difficulty of access intervene, a sample should never be collected immediately below a confluence -- if it returns an anomalous value, there will be uncertainty as to which tributary to follow up.

The results of the orientation survey, regarding the distance downstream over which an anomalous response decays to background, may indicate that the upper stretches of some streams have been inadequately sampled by the above method. In that case some additional sites may have to be planned and visited after the results of the orientation survey are in.

For stream sediments, six samples per square kilometre is a first estimate of a suitable sample density (though this may be subject to upward or downward revision, depending on the results of orientation survey). Until initial reports from the lab indicate otherwise, two bags should be filled at each site to ensure that enough material is available at the size-fraction selected. This gives a total of 1,500 bags. The orientation survey may involve 50-100 more sites, so another 200 bags should be added, totalling 1,700.

For pan concentrates, one site per square kilometre should be sufficient

4.2.4 Sample Material
An attempt should be made to collect the finest possible material, avoiding organics. The sediments of some mountain streams are very poor in fines but ICP analysis requires less than one gram of material and if this effort is made, it is unusual for there to be insufficient for the purpose.

Since there are no experienced panners in the crews, it is recommended that panning be aimed at reducing the sample's volume by no more than about five-sixths, rather than attempting to get down to a "tail". Alternately, the preparation in the field can be restricted to sieving. This will save time but increase transportation and preparation costs (the latter not very much).

The panning and heavy-mineral separation can be finished in the lab at Consorminex (my recommendation), Overburden Drilling Management, or other heavy-mineral lab of Manson Creek's preference.

4.2.5 Site and Sample Marking
"Double Faced" Aluminum Tags provide a permanent record of the site that will not fade. However, if there are grazing animals in the area they will almost certainly try to eat them unless they are out of reach. Therefore, marking the sites (outcrop or large boulder) with orange spray paint will insure against this eventuality, although suitable faces for spraying be several tens of metres from the precise sample site.

Magic Markers are used for marking the sample bags; this should be done in camp beforehand, as should the writing of the aluminum tags. Adding a separate numbered tag to each sample unnecessary, as long as the bags are clearly marked on both sides

4.3 Analysis
Manson Creek may already have a preferred geochemical lab or labs. Although a 30+element scan is desirable for the orientation survey, it is possible that routine samples can be analyzed for just a few: Zn, Pb, Ag and Cd. Doing an AA analysis may be cheaper than the ICP scan, and may enable the Ag and Cd analyses to be done with higher-than-usual detection limits.

In view of the targets sought in this program, "wet-chemical" methods should be sufficient; that is, it is not necessary to carry out neutron-activation analysis as well. The standard Aqua-Regia digestion used by most labs will be suitable, though it cannot be expected to give reliable results for barium as the most common minerals in which this element resides are resistant to this reagent.

If ICP analysis is opted for, a package like the ones ACME, XRAL, Chemex etc. offer should be adequate. However, some of them have a rather high detection limit for Cd (cadmium). This is an important pathfinder element for any deposit containing zinc sulphides and its detection limit should be no higher than 0.2 ppm, and preferably 0.1 ppm.

4.4 Quality Assurance

4.4.1 Frequency of Insertion

Every sequence of 10 samples should include either:

(a) a blank
(b) an anomalous standard or
(c) a duplicated sample

It is suggested that the position of the quality-assurance sample in the sequence be selected randomly for each sample sheet, and marked in advance.

4.4.2 Blanks & Anomalous Standards

Material suitable for blanks and anomalous standards should be collected in bulk from suitable locations, and divided up into normal-sized sample bags before the inevitable settling-out of fines takes place.

When sampling, the sample whose number has been assigned to a blank or standard is not collected. After the field samples have been returned to camp, a standard or blank packet is written with the appropriate sample number and submitted along with the regular samples. In this way the lab will not be aware that they are analyzing a QA sample.

In order to establish "recommended" values for the standard and blank, two bags of each, <u>with different sample numbers</u>, should be sent to each of the following labs:

ACME Vancouver
Chemex Vancouver
Rossbacher Vancouver
EcoTech Kamloops
CanTech Calgary

However, this should not be done until the results of the orientation survey have been received, and an appropriate size fraction selected. The samples can be labelled ABS1-10 (for the Anomalous Standard) and BBS1-10 (for the Blank). In all cases, 30-element ICP analysis, after Aqua-Regia digestion, should be requested.

4.4.3 Duplicates

Duplicate samples should be numbered with a different system, with information entered on a separate sheet (most of it will be the same as for the original, anyway). When a sequence of five has been accumulated, they can be sent to the lab in the normal way.

When collecting a field duplicate, a slightly different locality to the original sample should be selected. If the same locality is used for both samples, the overall variability of the sample medium will be underestimated.

4.5 Data Recording

Field data is recorded so that the samples may be grouped later, on various observational criteria, and the geochemical responses between the different groups compared, in order to alleviate the "apples and oranges" problem. For example, if Pb values are twice as high in dry streams than in flowing streams then a value of 100 ppm Pb has different significance depending on whether it comes from a wet or dry stream and this observation is important to the interpretation.

Geological data (outcrop, boulders) are not primarily recorded during geochemical programs as an aid to mapping; they are as an aid to the identification, once again, of "apples and oranges" in the geochemical data set. Therefore, they should be kept simple: volcanic rock (suitably abbreviated or coded), felsic intrusive, shale etc. Trying to assign them to previously-named units is not good science since this is an inference, not an observation

Many geologists find the systematic recording of coded observations while collecting geochemical samples to be a tedious business, and try to avoid doing it. In fact if it is made no more complicated than necessary the codes are soon memorized and data recording goes very quickly.

Field data should be recorded on 8.5" x 11" "Rite-in -the-Rain" sheets which can be designed "in-house" and printed on a laser-printer (or photocopier). In deciding how many samples to put on one sheet it is necessary to consider how many samples are likely to be collected by each team in one day; one sheet, per day or two, is about right as the more days a sheet gets used in the field, the more wear it is likely to suffer. Some space should also be left for freehand notes.

The use of single-character codes rather than longer words or abbreviations, such as those used in the NGR database, is advocated as there is less risk of mis- or alternate spelling.

Such important data as UTM Coordinates, Altitude, Stream Order and Catchment Lithology are not included as these are not normally field observations and can be added to the database later. If it is planned to use GPS locators then fields should be created for their readings, however.

A detailed, tabulated description of the data to be recorded is given in Appendix K.

APPENDIX IV

Stream Sediment Sample ICP Results: Ag, Pb and Zn arranged by claim group.

Stream sediment collected on VERA Claims: Series ABS

Sample Number	Easting	Northing	Ag ppm	Pb ppm	Zn ppm
ABS0211	561191	7132795	0.2	120	438
ABS0212	561152	7133072	1.2	164	472
ABS0213	560939	7133327	1.6	236	576
ABS0214	561248	7133507	1.8	140	1195
ABS0215	560598	7133359	1.4	146	682
ABS0216	560094	7133265	0.8	78	452
ABS0240	562170	7130901	1.4	100	1545
ABS0241	561746	7130646	7	334	2360
ABS0242	BLANK		<.2	20	130
ABS0273	559597	7128605	0.4	42	218
ABS0274	559198	7128972	2.6	278	650
ABS0275	559046	7129255	0.4	114	308

9 samples collected on streams draining into Vera Claims 13-18, 37-46, 117-124, 130, 132, 134 and 136.
3 sample collected on stream draining into Vera Claims 87-90 the Stromatolite Zone.

Stream Sediment Samples Collected on VAL Claims Series PLS

Sample Number	Easting	Northing	Ag ppm	Pb ppm	Zn ppm
PLS2105	562654	7125580	0.2	58	192
PLS2106	562297	7125075	0.2	58	388
PLS2107	561844	7124750	0.2	54	282
PLS2108	561444	7124630	<.2	44	270
PLS2109	560924	7124330	0.2	44	192
PLS2110	560650	7124120	0.2	50	214
PLS2111	560180	7123725	0.8	112	238
BES1011	560180	7123725	0.2	58	272

Stream sediments collected on Rusty Claims: Series ABS

Sample Number	Easting	Northing	Ag ppm	Pb ppm	Zn ppm
ABS0217	559500	7132150	1.6	86	446
ABS0218	559155	7132935	0.6	72	412
ABS0219	558729	7132671	0.8	90	464
ABS0220	558049	7132772	0.4	80	380
ABS0221	561015	7134773	0.6	84	522
ABS0222	561178	7135214	0.4	92	1150
ABS0223	561411	7135633	0.6	112	740
ABS0224	561550	7136213	24.6	206	888
ABS0225	560734	7131755	1.6	300	1100
ABS0226	560282	7131557	1	138	638
ABS0227	559849	7131452	1.2	164	658
ABS0228	559277	7131634	1.4	190	672
ABS0229	558813	7131493	1.8	196	628
ABS0230	558463	7131496	1.4	170	560
ABS0231	558090	7131489	2.2	160	560
ABS0232	ANOMALOUS		0.4	54	278
ABS0233	BLANK		0.2	18	116
ABS0234	562516	7133368	0.6	104	578
ABS0235	562669	7133782	0.4	102	394
ABS0236	563098	7133917	0.6	90	342
ABS0237	563431	7134419	0.2	100	394
ABS0238	563472	7134856	0.2	188	418
ABS0239	563365	7135355	<.2	102	452
ABS0243	561211	7130393	4.6	228	2110
ABS0244	560754	7130360	4.2	216	1560
ABS0245	560317	7130252	1.6	174	1635
ABS0246	559846	7310029	0.6	100	714
ABS0247	559433	7129802	0.8	92	514
ABS0248	562572	7131089	1.4	56	1440
ABS0249	562994	7131469	0.8	54	720
ABS0250	563417	7131636	0.6	38	490
ABS0251	563861	7131880	0.6	36	404
ABS0252	564088	7132002	0.2	78	328
ABS0253	564359	7132270	0.2	54	336
ABS0254	564840	7132532	0.2	54	398
ABS0255	565035	7132494	<.2	32	144
ABS0256	565318	7132778	0.2	42	316
ABS0257	565568	7133333	0.2	40	288
ABS0258	565883	7133666	<.2	32	250
ABS0259	565952	7134012	<.2	38	252
ABS0260	566024	7134666	0.2	54	386
ABS0261	565636	7134996	<.2	34	238
ABS0262	563517	7131380	0.6	136	262
ABS0263	563954	7131252	0.4	152	454
ABS0264	563190	7129931	1	98	800
ABS0265	562889	7129581	0.8	100	964
ABS0266	562671	7129361	0.6	70	420
ABS0267	562400	7128938	0.6	48	328
ABS0268	561956	7128733	0.2	46	280

Stream sediments collected on Rusty Claims: Series ABS

Sample Number	Easting	Northing	Ag ppm	Pb ppm	Zn ppm
ABS0269	561010	7128629	0.2	48	264
ABS0270	560515	7128452	0.2	48	278
ABS0271	ANOMALOUS		0.2	58	276
ABS0272	560143	7128386	0.2	46	264
ABS0276	564411	729819	0.8	68	878
ABS0277	564358	7129468	0.6	76	488
ABS0278	564431	7128856	0.8	84	438
ABS0279	564440	7128324	0.4	40	262
ABS0280	564746	7128041	0.2	36	294
ABS0281	566876	7139877	0.8	252	1710
ABS0282	BLANK		<.2	18	122

58 stream sediment samples collected by AB on streams draining into Rusty Claims 1-6,11-87, 93-131.

Stream Sediment Samples Collected on the NAD Claims Series ABS

SAMPLE NUMBER	EASTING	NORTHING	Ag ppm	Pb ppm	Zn ppm
ABS0004	593200	7118650	1.6	10	222
ABS0005	593450	7119050	0.4	10	142
ABS0006	593450	7119400	0.2	4	136
ABS0007	593500	7119900	0.2	6	146
ABS0008	593900	7120100	0.6	10	166
ABS0009	590950	7118900	0.2	18	138
ABS0010	590750	7119600	0.2	22	130
ABS0011	590800	7120100	0.4	14	128
ABS0012	590900	7120650	0.4	8	148
ABS0013	591000	7121050	0.4	10	146
ABS0014	591100	7121550	0.2	18	126
ABS0015	584951	7117275	0.6	10	216
ABS0016	584201	7117500	0.4	18	500
ABS0017	580450	7117705	0.6	18	326
ABS0018	580528	7118262	0.6	22	292
ABS0019	580397	7118189	0.4	18	204
ABS0020	580189	7119135	0.6	20	202
ABS0021	579993	7119599	0.2	20	110
ABS0022	584744	7117791	0.6	12	304
ABS0023	Anomalous		0.2	60	286
ABS0024	584394	7118149	0.4	14	184
ABS0025	584394	7118149	0.4	46	208
ABS0026	583918	7118460	0.2	6	152
ABS0027	584755	7117787	0.2	12	134
ABS0028	583376	7118053	0.6	10	168
ABS0029	583134	7118795	0.6	12	128
ABS0030	582678	7119170	0.4	14	136
ABS0031	582124	7119285	0.4	10	148
ABS0032	581596	7115189	0.6	574	1140
ABS0033	581505	7115534	0.2	202	664
ABS0034	581454	7115724	1	10	402
ABS0035	581528	7115609	1.6	10	316
ABS0036	577968	7113640	<.2	42	112
ABS0037	577925	7114077	<.2	22	168
ABS0038	577849	7114518	<.2	18	182
ABS0039	577918	7114973	<.2	20	178
ABS0040	578153	7115519	<.2	34	388
ABS0041	574999	7116499	0.6	104	1945
ABS0042	Blank		<.2	18	116
ABS0043	584446	7115906	0.2	12	128
ABS0044	584247	7115881	1.4	12	232
ABS0045	584736	7115822	0.8	8	160
ABS0046	Anomalous		0.6	60	288
ABS0047	584693	7115834	0.2	10	106
ABS0048	584762	7115565	0.8	12	170
ABS0049	584510	7114636	0.2	6	104
ABS0050	584734	7114274	0.2	8	112
ABS0051	584589	7113783	0.2	8	142
ABS0052	584966	7113247	0.4	6	128

Stream Sediment Samples Collected on the NAD Claims Series ABS

			Ag ppm	Pb ppm	Zn ppm
ABS0053	576459	7113271	<.2	24	104
ABS0054	576442	7113245	<.2	30	106
ABS0055	575931	7113176	<.2	22	100
ABS0056	575495	7113251	<.2	24	100
ABS0057	575240	7113073	<.2	20	124
ABS0058	Blank		NotRcd	NotRcd	NotRcd
ABS0059	574890	7113510	<.2	34	148
ABS0060	586742	7117115	1.6	14	410
ABS0061	587637	7116877	<.2	6	62
ABS0062	587570	7117017	0.2	20	562
ABS0063	587545	7116867	<.2	6	48
ABS0064	587819	7116707	0.2	10	176
ABS0065	587910	7116712	0.2	8	182
ABS0066	587942	7116697	0.2	8	154
ABS0067	588102	7116564	0.6	10	210
ABS0068	588392	7116395	<.2	8	52
ABS0069	588396	7116391	0.6	14	216
ABS0070	588470	7115877	0.8	14	224
ABS0071	588770	7115184	0.6	12	224
ABS0072	591726	7117472	1	10	380
ABS0073	591860	7116902	0.2	14	236
ABS0074	591807	7116409	0.8	4	596
ABS0075	591500	7115850	0.8	8	522
ABS0076	Anomalous		0.2	74	336
ABS0077	586017	7109008	<.2	36	144
ABS0078	585955	7109510	<.2	26	106
ABS0079	585313	7109314	<.2	28	94
ABS0080	585037	7109822	<.2	28	106
ABS0081	584946	7110298	<.2	28	100
ABS0082	585066	7110915	<.2	22	104
ABS0083	585700	7111150	<.2	20	118
ABS0084	584557	7111770	<.2	18	94
ABS0085	584576	7111490	<.2	12	96
ABS0086	584705	7111604	<.2	20	100
ABS0087	583840	7111814	<.2	18	102
ABS0088	583833	7107527	<.2	22	88
ABS0089	583300	7107500	<.2	18	82
ABS0090	582952	7107983	<.2	10	2900
ABS0091	592995	7113369	1.2	6	144
ABS0092	592700	7113450	1	6	146
ABS0093	Anomalous		0.2	52	270
ABS0094	592150	7114050	0.6	10	132
ABS0095	592100	7114400	0.2	10	106
ABS0096	592025	7114750	0.2	6	96
ABS0097	591900	7115200	0.6	8	116
ABS0098	591750	7115500	0.6	6	140
ABS0099	Blank		<.2	16	124
ABS0100	589950	7108400	<.2	32	116
ABS0101	589050	7107700	<.2	26	98
ABS0102	589150	7108000	<.2	28	94
ABS0103	589400	7108100	<.2	32	106

Stream Sediment Samples Collected on the NAD Claims Series ABS

			Ag ppm	Pb ppm	Zn ppm
ABS0104	588400	7109400	<.2	38	114
ABS0105	588400	7108700	<.2	22	98
ABS0106	587100	7109000	<.2	26	80
ABS0107	587550	7109550	<.2	22	98
ABS0108	587900	7110250	<.2	26	102
ABS0109	588350	7110050	<.2	24	96
ABS0110	588350	7110350	<.2	20	92
ABS0111	588250	7110700	<.2	20	94
ABS0112	Blank		<.2	14	120
ABS0113	588250	7111200	<.2	18	82
ABS0114	588100	7111150	<.2	16	82
ABS0115	587800	7111700	<.2	22	82
ABS0116	587450	7112050	<.2	18	92
ABS0117	587000	7112800	<.2	10	100
ABS0118	587750	7112600	<.2	16	88
ABS0119	Blank		<.2	14	112
ABS0120	Anomalous		0.2	46	340
ABS0121	590243	7109663	<.2	20	92
ABS0122	590034	7109676	<.2	26	100
ABS0123	590062	7109985	<.2	16	94
ABS0124	589943	7109982	<.2	22	102
ABS0125	589898	7110593	<.2	18	102
ABS0126	590366	7111059	<.2	20	86
ABS0127	589969	7111134	<.2	18	80
ABS0128	589724	7111460	<.2	20	100
ABS0129	589432	7111888	<.2	16	96
ABS0130	589925	7112283	<.2	16	96
ABS0131	589035	7112683	<.2	16	94
ABS0132	588835	7113097	<.2	16	104
ABS0133	588753	7114127	0.2	10	118
ABS0134	588734	7114057	0.2	12	122
ABS0135			<.2	26	148
ABS0136			<.2	24	132
ABS0137			<.2	18	106
ABS0138			<.2	14	104
ABS0139			<.2	12	108
ABS0140			<.2	14	118
ABS0141			2.4	12	42
ABS0142			0.8	10	64
ABS0143			0.6	10	80
ABS0144			0.2	10	580
ABS0145			0.2	18	358
ABS0146			0.6	20	558
ABS0147			0.4	18	148
ABS0148			<.2	22	180
ABS0149	582930	7106517	<.2	26	88
ABS0150	583220	7106697	<.2	20	110
ABS0151	583242	7107394	0.2	10	1185
ABS0152	582828	7107440	<.2	22	100
ABS0153	582587	7107371	<.2	22	84
ABS0154	582368	7106974	<.2	30	74

Stream Sediment Samples Collected on the NAD Claims Series ABS

			Ag ppm	Pb ppm	Zn ppm
ABS0155	Anomalous		0.2	50	268
ABS0156	Blank		<.2	16	120

153 stream samples collected by A. Bordeleau on Nad Claims

BES1003	Duplicate of	ABS 0088	<.2	20	92
BES1005	Duplicate of	ABS0134	<.2	14	116
BES1006	Duplicate of	?	0.2	74	1025

Stream Sediment Samples taken on Nad Claims Series PLS

NUMBER	EASTING	NORTH	Ag ppm	Pb ppm	Zn ppm
PLS2001	592458	7118357	0.8	12	176
PLS2002	592869	7118583	0.8	14	316
PLS2003	593070	7119036	0.6	8	134
PLS2004	593426	7119442	0.6	8	138
PLS2005	588598	7118415	<.2	<2	174
PLS2006	588819	7118859	0.6	2	316
PLS2007	589119	7119213	1	2	350
PLS2008	589346	7119588	0.8	6	324
PLS2009	586008	7116958	1.4	8	376
PLS2010	585728	7117488	0.6	12	306
PLS2011	585757	7117424	0.2	12	438
PLS2012	585593	7118127	0.2	8	102
PLS2013	585608	7118471	0.8	14	444
PLS2014	585776	7119030	0.6	14	200
PLS2015	585967	7119480	0.2	10	258
PLS2016	586185	7120005	0.8	6	100
PLS2017	586516	7120329	0.6	6	180
PLS2018	586838	7120936	0.8	12	246
PLS2019			0.2	60	264
PLS2020	581417	7118155	1.4	14	1360
PLS2021	581417	7118155	1.6	12	1365
PLS2022	581485	7118525	0.8	18	240
PLS2023	581423	7118835	1.4	12	210
PLS2024	573650	7114650	<.2	38	130
PLS2025	573650	7115100	<.2	26	114
PLS2026	573700	7115650	<.2	18	98
PLS2027	573850	7116050	<.2	16	168
PLS2028	573900	7116500	<.2	30	376
PLS2029	573900	7116850	<.2	30	390
PLS2030			0.2	52	280
PLS2031	579200	7113650	<.2	10	86
PLS2032	579650	7113500	<.2	22	110
PLS2033	580200	7113650	0.2	14	168
PLS2034	580550	7113650	0.2	10	132
PLS2035	580600	7113700	<.2	22	154
PLS2036	580900	7113350	0.2	18	146
PLS2037	581250	7113100	<.2	24	140
PLS2038	581700	7112900	<.2	20	140
PLS2039	582150	7112700	<.2	18	136
PLS2040	582400	7112250	<.2	20	126
PLS2041	574813	7114247	<.2	34	226
PLS2042			<.2	18	128
PLS2043	575250	7114084	<.2	30	228
PLS2044	575560	7113918	<.2	26	194
PLS2045	575675	7114390	<.2	24	150
PLS2046	575853	7114819	<.2	18	126
PLS2047	575857	7115273	<.2	16	120
PLS2048	575944	7115732	<.2	24	142
PLS2049	575829	7115522	<.2	36	152

Stream Sediment Samples taken on Nad Claims Series PLS

			Ag ppm	Pb ppm	Zn ppm
PLS2050	575327	7115258	<.2	24	134
PLS2051	574968	7114972	<.2	34	120
PLS2052	586014	7115658	2	6	152
PLS2053	586726	7115671	1	6	124
PLS2054			<.2	18	122
PLS2055	586597	7115340	4.2	2	148
PLS2056	586727	7115356	0.8	6	118
PLS2057	586895	7114962	2	2	136
PLS2058	587003	7114410	2	2	120
PLS2059	587052	7114154	1.8	4	116
PLS2060	592493	7116457	<.2	10	230
PLS2061	592505	7116147	<.2	12	148
PLS2062			0.2	54	294
PLS2063	587000	7107506	<.2	22	218
PLS2064	586474	7107238	<.2	22	98
PLS2065	586125	7106846	<.2	24	98
PLS2066	585598	7106698	<.2	22	90
PLS2067	585391	706546	<.2	36	78
PLS2068	585159	7106844	<.2	20	90
PLS2069	584743	7107199	<.2	20	88
PLS2070	584884	7107461	<.2	26	140
PLS2071	585198	7107753	<.2	24	82
PLS2072	584602	7108669	<.2	34	114
PLS2073	584360	7108264	<.2	32	114
PLS2074			<.2	16	120
PLS2075	584055	7107909	<.2	22	134
PLS2076	583819	7107530	<.2	20	114
PLS2077	592698	7111103	<.2	38	108
PLS2078	592655	7111566	<.2	22	116
PLS2079	592400	7112350	<.2	20	116
PLS2080	592800	7112600	<.2	22	136
PLS2081	592590	7112688	0.6	14	190
PLS2082	592243	7112841	<.2	20	118
PLS2083	591800	7113220	0.2	16	134
PLS2084	591250	7113235	<.2	20	140
PLS2085	590840	7113307	0.2	10	122
PLS2086			0.2	52	288
BES1001	<.2	1.18	28	5	
BES1002	<.2	0.95	20	4	

BES1001 PLS2045 Duplicate
BES1002 PLS2077 Duplicate

Stream Sediment Samples Collected on Nad Claims Series MSS

NUMBER	EASTING	NORTH	Ag ppm	Pb ppm	Zn ppm
MSS4001	591736	7119128	0.8	12	234
MSS4002	591833	7119518	0.6	18	202
MSS4003	591718	7120001	0.8	10	172
MSS4004	592384	7120223	0.2	12	154
MSS4005	589519	7118417	0.6	12	378
MSS4006	589222	7118802	1	12	544
MSS4007	589261	7119241	0.8	10	554
MSS4008	587940	7118566	0.2	8	590
MSS4009			0.2	50	328
MSS4010	587895	7119028	1	10	414
MSS4011	587780	7119597	0.2	10	186
MSS4012	587588	7120012	0.2	10	142
MSS4013	587520	7120372	0.4	10	186
MSS4014	587198	7120658	0.4	6	144
MSS4015	583413	7120487	0.6	10	162
MSS4016	583416	7120936	0.8	8	244
MSS4017	583308	7121300	1	8	164
MSS4018	582954	7121715	1	6	194
MSS4019	582903	7116822	0.4	18	150
MSS4020	583035	7117306	0.6	14	230
MSS4021	583035	7117306	0.6	14	236
MSS4022	583056	7117717	1.2	14	272
MSS4023	582863	7117975	0.6	12	266
MSS4024	582771	7118665	0.6	12	178
MSS4025	582502	7119064	0.6	10	164
MSS4026	582011	7119250	0.6	14	334
MSS4027	579646	7114686	0.2	20	160
MSS4028	579652	7115061	<.2	32	268
MSS4029	579684	7115593	<.2	30	288
MSS4030	579608	7115955	<.2	24	250
MSS4031	580085	7116864	2.4	42	726
MSS4032			0.4	54	288
MSS4033	579749	7116820	0.8	20	888
MSS4034	579379	7116467	1.8	20	1335
MSS4035	579163	7118627	1.2	30	326
MSS4036	578654	7118575	0.6	26	276
MSS4037	578203	7118591	1.4	38	362
MSS4038	577905	7118462	0.6	14	230
MSS4039	577547	7118520	0.4	12	196
MSS4040	581396	7114485	1.4	250	1120
MSS4041	581396	7114485	1.2	320	1610
MSS4042	581826	7114350	2.2	1185	3250
MSS4043	582087	7113431	0.8	402	2240
MSS4044	582135	7113292	0.8	400	1730
MSS4045	582378	7113024	0.8	478	1700
MSS4046	582592	7112607	1.2	808	1850
MSS4047	583028	7112591	0.2	78	470
MSS4048	583493	7112535	0.2	30	352
MSS4049	577531	7112479	<.2	14	82

Stream Sediment Samples Collected on Nad Claims Series MSS

			Ag ppm	Pb ppm	Zn ppm
MSS4050	577319	7112468	<.2	24	132
MSS4051	577121	7111723	<.2	16	104
MSS4052	576843	7111405	<.2	20	112
MSS4053	576633	7111018	<.2	26	134
MSS4054	576399	7110519	<.2	20	114
MSS4055	576507	7110183	<.2	18	112
MSS4056	576550	7109661	<.2	20	114
MSS4057			0.4	62	286
MSS4058	578999	7112531	<.2	30	116
MSS4059	578954	7112143	<.2	2	98
MSS4060	579040	7111917	<.2	20	98
MSS4061	579070	7111900	<.2	18	106
MSS4062	579209	7111275	<.2	16	102
MSS4063	579232	7110884	<.2	18	102
MSS4064	579463	7110613	<.2	16	104
MSS4065	590917	7117661	1.6	10	470
MSS4066	591052	7117177	1.6	10	500
MSS4067	591005	7116724	1.4	6	374
MSS4068	594155	7113825	1.2	12	236
MSS4069	594160	7113825	0.8	8	120
MSS4070	594100	7114250	0.8	6	132
MSS4071	593723	7114768	0.8	8	146
MSS4072	593653	7115086	0.2	10	132
MSS4073	593600	7115186	0.6	10	148
MSS4074	593796	7115468	0.6	8	150
MSS4075	591550	7110900	<.2	22	90
MSS4076	591690	7111357	<.2	30	88
MSS4077	591780	7111829	<.2	28	92
MSS4078	591592	7112077	<.2	32	106
MSS4079	591821	7112190	<.2	40	128
MSS4080	591572	7112573	<.2	30	104
MSS4081	591391	7112987	<.2	20	102
MSS4082	590849	7113288	0.2	12	136
MSS4083	590826	7112733	<.2	16	86
MSS4084	590821	7112336	<.2	18	94
MSS4085	590705	7112373	<.2	16	106
MSS4086	590830	7111840	<.2	30	100
MSS4087			0.2	52	286
MSS4088	584095	7109253	<.2	30	98
MSS4089	583939	7109703	<.2	22	104
MSS4090	583724	7110312	<.2	24	92
MSS4091	583319	7110406	<.2	20	92
MSS4092	583033	7110533	<.2	20	92
MSS4093	583523	7110397	<.2	18	86
MSS4094	582100	7110045	<.2	18	84
MSS4095	581717	7110915	<.2	16	88
MSS4096	581402	7111305	<.2	14	86
BES1004	591550	7110900			

96 stream sediment samples collected by Marco on NAD.
BES1004 is a duplicate of MSS4075

Stream Sediment Samples Collected on Nad Claims Series KTS

NUMBER	EASTING	NORTH	Ag ppm	Pb ppm	Zn ppm
KTS5001	594042	7118020	0.6	12	152
KTS5002	594586	7118811	0.2	10	168
KTS5003	594892	7119022	0.2	14	158
KTS5004	595183	7119277	<.2	22	84
KTS5005	587680	7118332	<.2	14	1435
KTS5006	587305	7118658	<.2	10	746
KTS5007	587294	7119330	0.6	8	424
KTS5008	587339	7119616	0.6	12	230
KTS5009	587365	7120366	0.4	10	198
KTS5010			0.4	60	284
KTS5011	587295	7120868	0.6	12	206
KTS5012	586842	712876	0.4	8	174
KTS5013	586631	7121304	0.6	8	170
KTS5014	586566	7121771	0.6	8	156
KTS5015	586293	7122004	0.2	8	142
KTS5016	586003	7122462	0.6	10	166
KTS5017	585770	7122800	0.2	8	148
KTS5018	582500	7121034	0.8	8	218
KTS5019	582597	7121514	0.6	6	168
KTS5020			0.2	58	282
KTS5021	582542	7121914	0.6	8	148
KTS5022	582038	7122188	0.6	8	160
KTS5023	582763	7122375	0.4	8	134
KTS5024	581900	7116850	0.2	8	144
KTS5025	581950	7117350	0.8	26	288
KTS5026	582000	7117750	1	18	602
KTS5027	582050	7118250	0.8	14	264
KTS5028	582000	7118750	0.6	16	308
KTS5029	580872	7115131	<.2	190	926
KTS5030			0.4	60	280
KTS5031	580966	7115665	<.2	134	858
KTS5032	581285	7115762	0.6	112	974
KTS5033	577004	7115434	0.2	24	198
KTS5034	576974	7115874	0.2	14	166
KTS5035	576630	7115937	0.2	14	162
KTS5036	576484	7116448	0.2	14	186
KTS5037	576263	7116883	0.2	12	218
KTS5038	574325	7116636	0.6	30	982
KTS5039	574020	7116990	0.4	38	352
KTS5040			0.4	66	274
KTS5041	582621	7115154	0.6	18	776
KTS5042	583061	7114958	0.8	16	822
KTS5043	583198	7114906	0.8	16	342
KTS5044	583360	7114564	0.4	14	436
KTS5045	583292	7114121	0.4	14	580
KTS5046	583188	7113740	0.2	22	724
KTS5047	583121	7113383	0.2	26	554
KTS5048	583164	7112916	0.2	22	510
KTS5049	583258	7112510	0.2	22	478
KTS5050					

APPENDIX V

Chemex Lab Certificates of Analysis for the Stream Sediment Samples Collected in 1998

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: MANSON CREEK RESOURCES LTD. *

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

INVOICE NUMBER I 9 8 2 8 2 7 2

BILLING INFORMATION

Date: 26-AUG-98
Project: MCKYUKI
P.O. No.:
Account: QJD

Comments:

Billing: For analysis performed on Certificate A9828272

Terms: Payment due on receipt of invoice 1.25% per month (15% per annum) charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

COPY

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
37	201 - Dry, sieve to -80 mesh	1.25		
	202 - save reject	0.85		
	ICP-32	7.00	9.10	336.70

Total Cost $	336.70
(Reg# R100938885) GST $	23.57
TOTAL PAYABLE (CDN) $	**360.27**

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCKYUKI
Comments: ATTN: JENNIFER EATON CC: STEVE AMOR

Certificate Date: 25-AUG-1998
Invoice No. : I9828272
P.O. Number :
Account :QJD

CERTIFICATE OF ANALYSIS A9828272

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
ABS 0004	201	202	1.6	1.34	8	380	0.5	2	1.48	2.5	7	27	43	2.39	< 10	< 1	0.13	< 10	0.35	200	5
ABS 0005	201	202	0.4	1.04	8	320	< 0.5	< 2	1.14	0.5	8	22	25	2.48	< 10	< 1	0.09	< 10	0.47	290	3
ABS 0006	201	202	0.2	0.94	8	270	< 0.5	< 2	0.49	< 0.5	7	19	16	2.31	< 10	< 1	0.08	< 10	0.33	165	3
ABS 0007	201	202	0.2	0.83	10	290	< 0.5	< 2	0.59	< 0.5	8	20	23	2.34	< 10	< 1	0.07	< 10	0.37	185	4
ABS 0008	201	202	0.6	0.93	10	360	< 0.5	< 2	1.04	< 0.5	8	26	24	2.92	< 10	< 1	0.08	< 10	0.44	350	3
ABS 0009	201	202	0.2	1.16	16	370	0.5	< 2	3.05	0.5	14	25	36	2.83	< 10	< 1	0.12	< 10	1.39	625	4
ABS 0010	201	202	0.2	1.11	10	280	< 0.5	< 2	3.76	0.5	11	24	27	2.39	< 10	< 1	0.09	< 10	1.55	395	3
ABS 0011	201	202	0.4	0.92	8	400	< 0.5	< 2	2.01	0.5	7	20	27	2.01	< 10	< 1	0.08	< 10	0.73	280	2
ABS 0012	201	202	0.4	0.98	14	450	< 0.5	< 2	2.11	0.5	7	22	27	1.92	< 10	< 1	0.09	< 10	0.72	235	3
ABS 0013	201	202	0.4	0.91	6	380	< 0.5	< 2	2.41	0.5	8	20	28	1.94	< 10	< 1	0.08	< 10	0.88	260	3
ABS 0014	201	202	0.2	0.77	10	410	< 0.5	< 2	5.69	0.5	7	22	24	1.83	< 10	< 1	0.07	< 10	2.66	335	1
ABS 0015	201	202	0.6	0.50	20	640	< 0.5	< 2	0.82	1.5	6	13	25	1.84	< 10	< 1	0.05	< 10	0.28	200	4
ABS 0016	201	202	0.4	1.31	48	520	0.5	< 2	0.72	5.5	51	23	36	3.29	< 10	< 1	0.07	< 10	0.56	1840	7
ABS 0017	201	202	0.6	0.35	18	280	< 0.5	< 2	4.78	1.5	8	19	24	1.92	< 10	< 1	0.05	< 10	2.83	185	4
ABS 0018	201	202	0.6	0.35	14	500	< 0.5	< 2	5.02	2.5	6	20	21	1.62	< 10	< 1	0.06	< 10	2.88	150	1
ABS 0019	201	202	0.4	0.75	8	560	< 0.5	< 2	2.27	2.0	7	19	21	2.09	< 10	< 1	0.08	< 10	1.27	190	6
ABS 0020	201	202	0.6	0.77	8	540	< 0.5	< 2	2.85	1.5	7	19	19	2.02	< 10	< 1	0.08	< 10	1.36	180	3
ABS 0021	201	202	0.2	0.37	18	950	< 0.5	2	12.80	0.5	3	21	13	0.91	< 10	< 1	0.05	< 10	4.52	110	1
ABS 0022	201	202	0.6	1.18	54	610	< 0.5	< 2	1.61	4.0	7	34	30	2.23	< 10	3	0.09	10	0.49	265	5
ABS 0023	201	202	0.2	1.26	24	150	0.5	2	4.07	0.5	21	21	45	3.76	< 10	< 1	0.09	10	2.67	2760	4
ABS 0024	201	202	0.4	1.12	22	460	0.5	< 2	1.15	1.5	9	24	29	2.61	< 10	< 1	0.08	< 10	0.31	250	5
ABS 0026	201	202	0.2	0.90	18	520	< 0.5	< 2	1.41	1.0	7	21	21	2.21	< 10	< 1	0.07	< 10	0.39	290	3
ABS 0027	201	202	0.2	0.66	20	470	< 0.5	< 2	1.14	0.5	6	15	14	2.22	< 10	< 1	0.06	< 10	0.44	190	3
ABS 0028	201	202	0.6	0.58	12	580	< 0.5	< 2	2.96	1.5	6	18	22	1.78	< 10	< 1	0.06	< 10	1.32	225	5
ABS 0029	201	202	0.6	0.56	8	600	< 0.5	< 2	2.72	< 0.5	5	19	20	1.61	< 10	< 1	0.07	< 10	1.50	110	5
ABS 0030	201	202	0.4	0.34	18	1080	< 0.5	< 2	4.24	0.5	5	16	15	1.71	< 10	< 1	0.06	< 10	2.22	370	5
ABS 0031	201	202	0.4	0.60	14	570	< 0.5	< 2	2.49	0.5	5	20	19	1.87	< 10	< 1	0.06	< 10	1.18	265	3
ABS 0032	201	202	0.6	0.49	26	90	0.5	< 2	0.75	4.5	27	12	42	4.89	< 10	< 1	0.09	< 10	0.51	1055	2
ABS 0033	201	202	0.2	0.74	18	250	0.5	< 2	0.89	5.0	17	15	52	3.46	< 10	< 1	0.17	20	0.42	585	8
ABS 0034	201	202	1.0	0.57	18	2040	< 0.5	< 2	0.85	3.5	4	24	34	1.68	< 10	1	0.08	10	0.30	170	8
ABS 0035	201	202	1.6	0.63	8	1150	< 0.5	< 2	0.86	3.0	4	26	30	1.69	< 10	< 1	0.08	10	0.29	170	7
ABS 0036	201	202	< 0.2	1.17	20	420	0.5	< 2	1.51	< 0.5	23	31	45	3.83	< 10	< 1	0.11	10	1.31	1165	1
ABS 0037	201	202	< 0.2	1.11	30	250	0.5	< 2	0.67	0.5	35	126	51	4.84	< 10	< 1	0.09	10	2.96	935	1
ABS 0038	201	202	< 0.2	0.91	30	250	0.5	< 2	0.79	0.5	35	113	58	4.79	< 10	< 1	0.10	10	2.38	960	4
ABS 0039	201	202	< 0.2	0.93	42	250	0.5	< 2	1.20	0.5	40	156	50	4.70	< 10	< 1	0.09	10	3.62	965	5
ABS 0040	201	202	< 0.2	1.06	34	340	0.5	< 2	1.18	1.0	32	136	48	4.46	< 10	< 1	0.11	10	2.88	765	6
ABS 0041	201	202	0.6	1.37	82	710	1.0	< 2	0.76	13.5	33	21	146	4.84	< 10	< 1	0.25	20	0.34	2230	11

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCKYUKI
Comments: ATTN: JENNIFER EATON CC: STEVE AMOR

Certificate Date: 25-AUG-1998
Invoice No. : 19828272
P.O. Number :
Account : QJD

CERTIFICATE OF ANALYSIS A9828272

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
ABS 0004	201	202	0.01	74	740	10	< 2	5	57	< 0.01	< 10	< 10	31	< 10	222
ABS 0005	201	202	0.01	36	600	10	< 2	3	40	< 0.01	< 10	< 10	26	< 10	142
ABS 0006	201	202	< 0.01	29	520	4	< 2	3	26	< 0.01	< 10	< 10	25	< 10	136
ABS 0007	201	202	< 0.01	36	490	6	< 2	3	27	< 0.01	< 10	< 10	22	< 10	146
ABS 0008	201	202	< 0.01	30	710	10	< 2	4	24	< 0.01	< 10	< 10	25	< 10	166
ABS 0009	201	202	0.01	37	680	18	< 2	4	56	0.01	< 10	< 10	32	< 10	138
ABS 0010	201	202	0.01	34	820	22	< 2	4	71	0.01	< 10	< 10	30	< 10	130
ABS 0011	201	202	< 0.01	31	870	14	< 2	3	51	< 0.01	< 10	< 10	30	< 10	128
ABS 0012	201	202	0.01	32	910	8	2	4	54	< 0.01	< 10	< 10	38	< 10	148
ABS 0013	201	202	< 0.01	34	870	10	< 2	3	53	< 0.01	< 10	< 10	30	< 10	146
ABS 0014	201	202	0.01	27	700	18	< 2	3	61	< 0.01	< 10	< 10	26	< 10	126
ABS 0015	201	202	< 0.01	63	1010	10	< 2	2	29	< 0.01	< 10	< 10	19	< 10	216
ABS 0016	201	202	< 0.01	128	1120	18	< 2	3	46	< 0.01	< 10	< 10	32	< 10	500
ABS 0017	201	202	< 0.01	38	680	18	6	1	31	< 0.01	< 10	< 10	16	< 10	326
ABS 0018	201	202	< 0.01	32	710	22	< 2	1	37	< 0.01	< 10	< 10	17	< 10	292
ABS 0019	201	202	< 0.01	33	770	18	2	2	38	< 0.01	< 10	< 10	24	< 10	204
ABS 0020	201	202	< 0.01	32	810	20	2	2	42	< 0.01	< 10	< 10	25	< 10	202
ABS 0021	201	202	0.01	17	630	20	< 2	1	101	< 0.01	< 10	< 10	22	< 10	110
ABS 0022	201	202	< 0.01	50	1680	12	< 2	3	40	< 0.01	< 10	< 10	46	< 10	304
ABS 0023	201	202	< 0.01	23	450	60	< 2	4	23	< 0.01	< 10	< 10	21	< 10	286
ABS 0024	201	202	< 0.01	41	1210	14	< 2	3	37	< 0.01	< 10	< 10	41	< 10	184
ABS 0026	201	202	< 0.01	30	1180	6	< 2	3	42	< 0.01	< 10	< 10	36	< 10	152
ABS 0027	201	202	< 0.01	27	1350	12	< 2	1	39	< 0.01	< 10	< 10	29	< 10	134
ABS 0028	201	202	< 0.01	38	1000	10	< 2	2	50	< 0.01	< 10	< 10	26	< 10	168
ABS 0029	201	202	< 0.01	30	870	12	< 2	3	38	< 0.01	< 10	< 10	24	< 10	128
ABS 0030	201	202	< 0.01	28	1010	14	< 2	1	54	< 0.01	< 10	< 10	23	< 10	136
ABS 0031	201	202	< 0.01	30	930	10	< 2	2	39	< 0.01	< 10	< 10	24	< 10	148
ABS 0032	201	202	< 0.01	36	370	574	< 2	5	22	< 0.01	< 10	< 10	15	< 10	1140
ABS 0033	201	202	< 0.01	42	1610	202	2	4	30	< 0.01	< 10	< 10	37	< 10	664
ABS 0034	201	202	< 0.01	76	1480	10	2	1	45	< 0.01	< 10	< 10	47	< 10	402
ABS 0035	201	202	< 0.01	63	1440	10	< 2	1	38	< 0.01	< 10	< 10	40	< 10	316
ABS 0036	201	202	< 0.01	62	640	42	< 2	5	29	< 0.01	< 10	< 10	15	< 10	112
ABS 0037	201	202	< 0.01	272	640	22	< 2	5	34	0.01	< 10	< 10	26	< 10	168
ABS 0038	201	202	< 0.01	246	890	18	< 2	5	39	0.01	< 10	< 10	24	< 10	182
ABS 0039	201	202	< 0.01	396	840	20	< 2	5	50	0.02	< 10	< 10	31	< 10	178
ABS 0040	201	202	< 0.01	305	1070	34	< 2	5	51	0.02	< 10	< 10	35	< 10	388
ABS 0041	201	202	0.01	237	2940	104	6	5	150	< 0.01	< 10	< 10	54	< 10	1945

CERTIFICATION: Hart Bichler

Recd Aug 3?/98

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: MANSON CREEK RESOURCES LTD. *

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

INVOICE NUMBER I9828363

BILLING INFORMATION

Date: 25-AUG-98
Project: MCK YUKI
P.O. No.:
Account: QJD

Comments:

Billing: For analysis performed on Certificate A9828363

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
40	201 - Dry, sieve to -80 mesh	1.25		
	202 - save reject	0.85		
	ICP-32	7.00	9.10	364.00

Total Cost $ 364.00
(Reg# R100938885) GST $ 25.48

TOTAL PAYABLE (CDN) $ 389.48

Approved by J. Edson Sept 1/98

Yuki

rec'd Aug 31/98

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN:JENNIFER EATON CC:STEVE AMOR

Page Number : 1-A
Total Pages : 1
Certificate Date: 24-AUG-199
Invoice No. : I9828363
P.O. Number :
Account : QJD

CERTIFICATE OF ANALYSIS A9828363

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
KTS5001	201	202	0.6	1.02	6	380	0.5	< 2	1.82	< 0.5	8	23	23	2.02	< 10	< 1	0.10	10	0.43	260	1
KTS5002	201	202	0.2	0.99	< 2	360	< 0.5	< 2	3.30	0.5	7	22	23	2.14	< 10	< 1	0.10	10	1.47	260	1
KTS5003	201	202	0.2	1.28	6	290	0.5	< 2	2.13	< 0.5	8	24	27	2.47	< 10	< 1	0.12	10	1.00	300	< 1
KTS5004	201	202	< 0.2	1.44	6	180	< 0.5	< 2	5.67	< 0.5	20	21	38	3.24	< 10	< 1	0.11	10	1.65	825	< 1
KTS5005	201	202	< 0.2	2.67	52	380	1.5	< 2	4.31	19.5	48	32	80	3.24	< 10	2	0.13	20	0.47	800	5
KTS5006	201	202	< 0.2	1.34	44	290	0.5	< 2	13.30	5.5	20	18	41	1.69	< 10	1	0.08	10	2.48	400	< 1
KTS5007	201	202	0.6	0.87	18	770	< 0.5	< 2	8.79	3.0	8	26	30	1.92	< 10	< 1	0.12	10	1.34	195	3
KTS5008	201	202	0.6	0.67	16	550	< 0.5	< 2	8.33	2.0	7	17	28	1.89	< 10	< 1	0.09	< 10	2.63	320	3
KTS5009	201	202	0.4	0.70	6	520	< 0.5	< 2	7.99	2.0	6	17	24	1.62	< 10	< 1	0.09	< 10	2.53	275	2
KTS5010	201	202	0.4	1.33	16	140	0.5	< 2	3.68	< 0.5	20	17	41	3.75	< 10	< 1	0.13	10	2.46	2700	1
KTS5011	201	202	0.6	0.69	12	620	< 0.5	< 2	8.47	2.5	6	19	23	1.63	< 10	< 1	0.10	< 10	2.65	300	2
KTS5012	201	202	0.4	0.64	6	710	< 0.5	< 2	8.56	2.0	5	18	22	1.63	< 10	< 1	0.10	< 10	2.39	240	3
KTS5013	201	202	0.6	0.83	10	490	< 0.5	< 2	5.13	1.5	6	20	27	1.95	< 10	< 1	0.08	< 10	1.55	410	1
KTS5014	201	202	0.6	0.69	10	470	< 0.5	< 2	6.53	1.5	5	17	22	1.72	< 10	< 1	0.08	< 10	1.95	350	1
KTS5015	201	202	0.2	0.66	10	600	< 0.5	< 2	7.17	1.0	5	15	19	1.59	< 10	< 1	0.07	< 10	2.38	325	1
KTS5016	201	202	0.6	0.75	10	540	< 0.5	< 2	6.82	1.5	6	18	24	1.76	< 10	< 1	0.08	< 10	2.14	360	1
KTS5017	201	202	0.2	0.76	8	600	< 0.5	< 2	7.50	0.5	6	17	19	1.72	< 10	< 1	0.09	< 10	2.84	295	1
KTS5018	201	202	0.8	0.96	66	1190	< 0.5	< 2	2.92	2.0	4	31	23	1.71	< 10	1	0.11	< 10	1.03	155	4
KTS5019	201	202	0.6	0.65	42	950	< 0.5	< 2	7.00	1.5	4	20	16	1.23	< 10	1	0.08	< 10	3.15	200	2
KTS5020	201	202	0.2	1.35	16	150	0.5	< 2	3.71	< 0.5	20	18	41	3.74	< 10	< 1	0.14	10	2.48	2710	1
KTS5021	201	202	0.6	0.70	26	670	< 0.5	< 2	5.80	1.0	5	18	21	1.48	< 10	< 1	0.09	< 10	2.20	315	1
KTS5022	201	202	0.6	0.69	22	540	< 0.5	< 2	4.62	1.5	5	18	23	1.49	< 10	< 1	0.08	< 10	1.77	275	1
KTS5023	201	202	0.4	0.80	22	710	< 0.5	< 2	4.75	0.5	4	19	17	1.39	< 10	< 1	0.09	< 10	2.43	170	1
KTS5024	201	202	0.2	0.38	2	180	< 0.5	< 2	8.53	0.5	4	17	16	1.37	< 10	< 1	0.05	< 10	5.26	200	< 1
KTS5025	201	202	0.8	0.33	18	500	< 0.5	< 2	3.15	1.0	5	14	23	1.76	< 10	< 1	0.07	< 10	1.73	130	1
KTS5026	201	202	1.0	0.30	24	490	< 0.5	< 2	3.25	5.5	7	13	25	2.70	< 10	< 1	0.06	< 10	1.54	305	4
KTS5027	201	202	0.8	0.36	16	750	< 0.5	< 2	1.59	1.5	3	13	18	1.62	< 10	< 1	0.05	< 10	0.83	115	3
KTS5028	201	202	0.6	0.53	6	500	< 0.5	< 2	1.90	2.5	7	13	20	1.99	< 10	< 1	0.06	< 10	0.99	265	3
KTS5029	201	202	< 0.2	0.47	22	60	0.5	< 2	1.77	3.5	18	11	40	4.29	< 10	< 1	0.11	< 10	1.10	850	< 1
KTS5030	201	202	0.4	1.26	24	140	0.5	< 2	3.72	0.5	19	16	39	3.65	< 10	< 1	0.10	10	2.45	2610	< 1
KTS5031	201	202	< 0.2	0.89	16	160	0.5	< 2	1.84	3.5	16	15	53	3.66	< 10	< 1	0.16	10	0.97	720	2
KTS5032	201	202	0.6	0.83	24	1160	< 0.5	< 2	0.88	7.5	9	31	36	2.51	< 10	< 1	0.14	10	0.38	375	5
KTS5033	201	202	0.2	0.95	54	260	0.5	< 2	0.91	1.0	28	96	65	4.57	< 10	< 1	0.17	10	1.41	560	5
KTS5034	201	202	0.2	1.37	28	350	< 0.5	< 2	0.79	0.5	18	51	65	4.30	< 10	< 1	0.18	30	0.90	475	4
KTS5035	201	202	0.2	1.24	22	420	< 0.5	< 2	1.16	0.5	17	49	62	3.60	< 10	< 1	0.22	30	0.96	565	5
KTS5036	201	202	0.2	1.12	20	470	< 0.5	< 2	0.98	0.5	16	47	52	3.52	< 10	< 1	0.15	20	0.93	495	4
KTS5037	201	202	0.2	1.11	22	700	< 0.5	< 2	2.14	1.5	15	39	55	3.19	< 10	< 1	0.19	10	1.26	460	4
KTS5038	201	202	0.6	1.16	32	1000	0.5	< 2	1.00	5.0	13	28	90	3.11	< 10	< 1	0.23	30	0.50	530	17
KTS5039	201	202	0.4	0.79	26	880	< 0.5	< 2	5.06	2.5	9	23	46	2.29	< 10	< 1	0.14	10	1.84	415	4
KTS5040	201	202	0.4	1.30	18	140	0.5	< 2	3.78	< 0.5	20	16	39	3.63	< 10	< 1	0.12	10	2.49	2530	1

CERTIFICATION:

Rec'd Aug-31/98

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN:JENNIFER EATON CC:STEVE AMOR

Page Number : 1-B
Total Pages : 1
Certificate Date: 24-AUG-1998
Invoice No. : I9828363
P.O. Number :
Account : QJD

CERTIFICATE OF ANALYSIS A9828363

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
KTS5001	201	202	< 0.01	35	630	12	< 2	4	44	< 0.01	< 10	< 10	24	< 10	152
KTS5002	201	202	< 0.01	34	800	10	< 2	3	61	< 0.01	< 10	< 10	23	< 10	168
KTS5003	201	202	< 0.01	32	740	14	< 2	4	53	< 0.01	< 10	< 10	29	< 10	158
KTS5004	201	202	< 0.01	28	550	22	2	5	188	< 0.01	< 10	< 10	31	< 10	84
KTS5005	201	202	< 0.01	319	1590	14	2	6	81	0.03	< 10	< 10	93	< 10	1435
KTS5006	201	202	< 0.01	158	1010	10	2	3	105	0.01	< 10	< 10	63	< 10	746
KTS5007	201	202	< 0.01	83	1240	8	2	3	171	< 0.01	< 10	< 10	53	< 10	424
KTS5008	201	202	< 0.01	43	990	12	< 2	3	166	< 0.01	< 10	< 10	41	< 10	230
KTS5009	201	202	< 0.01	38	970	10	< 2	3	155	< 0.01	< 10	< 10	36	< 10	198
KTS5010	201	202	< 0.01	23	500	60	< 2	4	30	< 0.01	< 10	< 10	24	< 10	284
KTS5011	201	202	< 0.01	39	1010	12	< 2	3	155	< 0.01	< 10	< 10	37	< 10	206
KTS5012	201	202	< 0.01	34	1030	8	2	3	179	< 0.01	< 10	< 10	38	< 10	174
KTS5013	201	202	< 0.01	35	930	8	< 2	3	104	< 0.01	< 10	< 10	35	< 10	170
KTS5014	201	202	< 0.01	31	870	8	2	3	117	< 0.01	< 10	< 10	31	< 10	156
KTS5015	201	202	< 0.01	28	880	8	< 2	2	117	< 0.01	< 10	< 10	28	< 10	142
KTS5016	201	202	< 0.01	33	900	10	< 2	3	117	< 0.01	< 10	< 10	33	< 10	166
KTS5017	201	202	< 0.01	29	870	8	< 2	3	115	< 0.01	< 10	< 10	34	< 10	148
KTS5018	201	202	< 0.01	48	1490	8	< 2	3	83	< 0.01	< 10	< 10	84	< 10	218
KTS5019	201	202	< 0.01	34	1020	6	2	2	87	< 0.01	< 10	< 10	56	< 10	168
KTS5020	201	202	< 0.01	23	500	58	2	4	31	< 0.01	< 10	< 10	24	< 10	282
KTS5021	201	202	< 0.01	29	950	8	< 2	3	93	< 0.01	< 10	< 10	44	< 10	148
KTS5022	201	202	< 0.01	32	880	8	< 2	3	72	< 0.01	< 10	< 10	42	< 10	160
KTS5023	201	202	< 0.01	24	950	8	2	2	69	< 0.01	< 10	< 10	47	< 10	134
KTS5024	201	202	< 0.01	24	630	8	2	1	51	< 0.01	< 10	< 10	17	< 10	144
KTS5025	201	202	< 0.01	27	670	26	4	1	34	< 0.01	< 10	< 10	15	< 10	288
KTS5026	201	202	< 0.01	49	1130	18	2	1	55	< 0.01	< 10	< 10	23	< 10	602
KTS5027	201	202	< 0.01	32	760	14	2	1	38	< 0.01	< 10	< 10	21	< 10	264
KTS5028	201	202	< 0.01	39	820	16	< 2	1	42	< 0.01	< 10	< 10	24	< 10	308
KTS5029	201	202	< 0.01	30	410	190	2	3	26	< 0.01	< 10	< 10	13	< 10	926
KTS5030	201	202	< 0.01	25	480	60	2	4	28	< 0.01	< 10	< 10	22	< 10	280
KTS5031	201	202	< 0.01	34	1020	134	6	4	39	< 0.01	< 10	< 10	23	< 10	858
KTS5032	201	202	< 0.01	76	1550	112	4	1	53	< 0.01	< 10	< 10	97	< 10	974
KTS5033	201	202	< 0.01	263	1210	24	< 2	5	43	< 0.01	< 10	< 10	41	< 10	198
KTS5034	201	202	< 0.01	108	1830	14	< 2	5	45	< 0.01	< 10	< 10	45	< 10	166
KTS5035	201	202	< 0.01	94	1860	14	2	5	54	< 0.01	< 10	< 10	55	< 10	162
KTS5036	201	202	< 0.01	85	1930	14	< 2	4	47	< 0.01	< 10	< 10	52	< 10	186
KTS5037	201	202	< 0.01	77	1820	12	4	4	65	< 0.01	< 10	< 10	63	< 10	218
KTS5038	201	202	< 0.01	128	1720	30	2	5	127	< 0.01	< 10	< 10	130	< 10	982
KTS5039	201	202	< 0.01	59	1350	38	2	3	129	0.01	< 10	< 10	58	< 10	352
KTS5040	201	202	< 0.01	24	470	66	2	4	28	< 0.01	< 10	< 10	23	< 10	274

CERTIFICATION: [signature]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: MANSON CREEK RESOURCES LTD. *

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

INVOICE NUMBER I9828488

BILLING INFORMATION

Date: 27-AUG-98
Project: MCK YUKI
P.O. No.:
Account: QJD

Comments:

Billing: For analysis performed on Certificate A9828488

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
40	201 - Dry, sieve to -80 mesh	1.25		
	202 - save reject	0.85		
	ICP-32	7.00	9.10	364.00

Total Cost $ 364.00
(Reg# R100938885) GST $ 25.48

TOTAL PAYABLE (CDN) $ 389.48

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN:JENNIFER EATON CC:STEVE AMOR

Page Number : 1-A
Total Pages : 1
Certificate Date: 27-AUG-1998
Invoice No. : I9828488
P.O. Number :
Account : QJD

CERTIFICATE OF ANALYSIS A9828488

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
PLS2001	201	202	0.8	0.83	8	460	< 0.5	< 2	1.48	1.0	8	20	33	2.27	< 10	< 1	0.11	10	0.21	230	4
PLS2002	201	202	0.8	1.49	10	290	0.5	< 2	0.62	2.0	10	49	46	3.60	< 10	< 1	0.12	< 10	0.45	190	3
PLS2003	201	202	0.6	0.58	6	390	< 0.5	< 2	0.73	< 0.5	6	14	25	1.99	< 10	< 1	0.08	< 10	0.18	115	2
PLS2004	201	202	0.6	0.83	2	410	< 0.5	< 2	1.27	0.5	6	22	31	2.07	< 10	< 1	0.10	< 10	0.41	110	2
PLS2005	201	202	< 0.2	0.34	12	50	0.5	< 2	12.00	2.0	5	6	13	0.52	< 10	< 1	0.01	< 10	5.87	120	1
PLS2006	201	202	0.6	0.48	22	540	0.5	< 2	11.55	4.0	7	15	34	1.33	< 10	< 1	0.05	< 10	5.12	150	4
PLS2007	201	202	1.0	0.56	24	650	0.5	< 2	10.10	3.5	7	19	37	1.52	< 10	< 1	0.07	< 10	3.85	160	6
PLS2008	201	202	0.8	0.56	16	740	0.5	< 2	10.90	3.5	6	19	35	1.52	< 10	< 1	0.08	< 10	3.71	160	7
PLS2009	201	202	1.4	0.55	12	830	< 0.5	< 2	0.91	7.0	4	18	38	1.74	< 10	< 1	0.08	10	0.13	165	3
PLS2010	201	202	0.6	1.01	22	710	< 0.5	< 2	1.79	2.5	11	21	35	3.10	< 10	< 1	0.08	< 10	0.76	380	5
PLS2011	201	202	0.2	1.35	54	500	0.5	< 2	1.90	4.5	38	23	40	3.46	< 10	1	0.08	< 10	0.99	1510	7
PLS2012	201	202	0.2	0.68	22	300	< 0.5	< 2	3.36	0.5	5	19	25	1.72	< 10	< 1	0.06	< 10	1.65	115	5
PLS2013	201	202	0.8	1.21	22	570	0.5	< 2	2.46	6.5	13	24	37	2.65	< 10	< 1	0.10	< 10	1.09	410	5
PLS2014	201	202	0.6	1.32	14	510	0.5	< 2	1.93	1.0	10	26	28	2.80	< 10	< 1	0.10	< 10	0.80	280	3
PLS2015	201	202	0.2	1.05	26	610	0.5	< 2	2.43	2.0	13	20	23	3.34	< 10	< 1	0.08	< 10	1.35	1040	4
PLS2016	201	202	0.8	0.65	< 2	400	< 0.5	< 2	1.59	< 0.5	5	15	25	1.52	< 10	< 1	0.09	< 10	0.17	130	1
PLS2017	201	202	0.6	1.03	10	530	< 0.5	< 2	2.31	1.5	8	24	28	2.54	< 10	< 1	0.10	< 10	0.75	540	3
PLS2018	201	202	0.8	1.04	6	470	0.5	< 2	2.86	2.0	9	24	31	2.53	< 10	< 1	0.09	< 10	0.90	550	2
PLS2019	201	202	0.2	1.20	26	120	0.5	< 2	4.05	0.5	19	19	39	3.52	< 10	< 1	0.09	10	2.65	2410	1
PLS2020	201	202	1.4	0.89	30	590	< 0.5	< 2	1.17	13.5	47	17	146	10.85	< 10	< 1	0.09	< 10	0.22	510	12
PLS2022	201	202	0.8	1.78	12	480	0.5	< 2	0.99	2.0	14	28	41	3.29	< 10	< 1	0.13	< 10	0.57	335	3
PLS2023	201	202	1.4	0.68	22	610	< 0.5	< 2	0.65	1.5	6	17	30	2.28	< 10	< 1	0.08	10	0.25	145	5
PLS2024	201	202	< 0.2	0.82	28	70	0.5	< 2	0.94	< 0.5	19	11	44	3.99	< 10	< 1	0.09	< 10	0.67	760	1
PLS2025	201	202	< 0.2	0.86	32	60	0.5	< 2	2.66	< 0.5	17	11	36	3.15	< 10	< 1	0.10	10	1.33	770	1
PLS2026	201	202	< 0.2	0.98	38	150	0.5	< 2	1.68	< 0.5	22	102	39	3.59	< 10	< 1	0.09	< 10	2.89	740	1
PLS2027	201	202	< 0.2	1.12	20	230	0.5	< 2	2.17	< 0.5	32	163	52	4.74	< 10	< 1	0.14	30	3.79	920	1
PLS2028	201	202	< 0.2	1.04	40	250	0.5	< 2	1.82	2.5	26	96	57	4.06	< 10	< 1	0.12	20	2.49	870	2
PLS2029	201	202	< 0.2	1.00	32	370	0.5	< 2	1.94	2.5	22	79	53	3.76	< 10	< 1	0.12	10	2.13	815	3
PLS2030	201	202	0.2	1.19	22	130	0.5	< 2	3.70	0.5	19	24	40	3.68	< 10	< 1	0.09	10	2.43	2810	1
PLS2031	201	202	< 0.2	0.81	24	140	0.5	< 2	0.68	< 0.5	43	293	32	4.46	< 10	< 1	0.08	< 10	7.42	650	< 1
PLS2032	201	202	< 0.2	1.05	18	180	0.5	< 2	0.55	< 0.5	32	238	29	4.23	< 10	< 1	0.08	< 10	5.69	610	< 1
PLS2033	201	202	0.2	0.55	18	190	< 0.5	< 2	0.34	1.0	16	56	60	3.32	< 10	< 1	0.07	< 10	0.83	665	12
PLS2034	201	202	0.2	0.51	16	180	< 0.5	< 2	0.42	0.5	15	48	53	2.75	< 10	< 1	0.06	< 10	0.77	615	10
PLS2035	201	202	< 0.2	1.33	4	260	0.5	< 2	1.21	0.5	27	153	43	4.15	< 10	< 1	0.12	10	2.96	610	1
PLS2036	201	202	0.2	0.90	20	300	< 0.5	< 2	1.35	0.5	21	86	49	3.40	< 10	< 1	0.08	10	1.68	700	4
PLS2037	201	202	< 0.2	0.96	14	500	0.5	< 2	3.01	0.5	21	96	36	3.32	< 10	< 1	0.10	10	2.77	620	4
PLS2038	201	202	< 0.2	1.01	24	510	0.5	< 2	2.40	0.5	22	109	36	3.40	< 10	< 1	0.09	10	2.62	585	3
PLS2039	201	202	< 0.2	0.93	14	440	0.5	< 2	2.31	< 0.5	25	136	35	3.49	< 10	< 1	0.07	10	3.67	575	< 1
PLS2040	201	202	< 0.2	0.90	18	430	0.5	< 2	2.36	0.5	23	125	31	3.50	< 10	4	0.07	10	3.40	545	1
PLS2041	201	202	< 0.2	0.40	30	120	0.5	< 2	3.15	< 0.5	12	7	29	2.94	< 10	< 1	0.06	< 10	1.73	785	1

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

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CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN:JENNIFER EATON CC:STEVE AMOR

Certificate Date: 27-AUG-1998
Invoice No. : I9828488
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CERTIFICATE OF ANALYSIS A9828488

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
PLS2001	201	202	< 0.01	50	1140	12	< 2	4	44	< 0.01	< 10	< 10	25	< 10	176
PLS2002	201	202	< 0.01	88	510	14	2	5	43	< 0.01	< 10	< 10	30	< 10	316
PLS2003	201	202	< 0.01	34	490	8	2	3	40	< 0.01	< 10	< 10	20	< 10	134
PLS2004	201	202	< 0.01	42	640	8	< 2	4	48	< 0.01	< 10	< 10	22	< 10	138
PLS2005	201	202	< 0.01	36	300	< 2	2	< 1	62	< 0.01	< 10	< 10	16	< 10	174
PLS2006	201	202	< 0.01	71	890	2	< 2	2	99	< 0.01	< 10	< 10	41	< 10	316
PLS2007	201	202	< 0.01	70	1300	2	2	3	118	< 0.01	< 10	< 10	50	< 10	350
PLS2008	201	202	< 0.01	64	1450	6	< 2	2	142	< 0.01	10	< 10	53	< 10	324
PLS2009	201	202	< 0.01	74	1320	8	2	2	54	< 0.01	< 10	< 10	38	< 10	376
PLS2010	201	202	< 0.01	64	1360	12	2	3	66	< 0.01	< 10	< 10	31	< 10	306
PLS2011	201	202	< 0.01	121	1200	12	2	3	58	< 0.01	< 10	< 10	35	< 10	438
PLS2012	201	202	< 0.01	28	1170	8	2	2	56	< 0.01	< 10	< 10	57	< 10	102
PLS2013	201	202	< 0.01	74	1240	14	< 2	3	68	< 0.01	< 10	< 10	34	< 10	444
PLS2014	201	202	< 0.01	40	1030	14	6	4	55	< 0.01	< 10	< 10	42	< 10	200
PLS2015	201	202	< 0.01	57	1140	10	< 2	3	56	< 0.01	< 10	< 10	43	< 10	258
PLS2016	201	202	< 0.01	26	590	6	2	3	56	< 0.01	< 10	< 10	25	< 10	100
PLS2017	201	202	< 0.01	40	1050	6	< 2	4	64	< 0.01	< 10	< 10	37	< 10	180
PLS2018	201	202	< 0.01	48	1050	12	< 2	4	71	< 0.01	< 10	< 10	41	< 10	246
PLS2019	201	202	< 0.01	25	440	60	8	4	24	< 0.01	< 10	< 10	20	< 10	264
PLS2020	201	202	< 0.01	200	920	14	6	4	84	< 0.01	< 10	10	37	< 10	1360
PLS2022	201	202	< 0.01	57	1020	18	< 2	6	49	< 0.01	< 10	< 10	38	< 10	240
PLS2023	201	202	< 0.01	43	850	12	< 2	3	54	< 0.01	< 10	< 10	32	< 10	210
PLS2024	201	202	< 0.01	35	500	38	2	4	27	< 0.01	< 10	< 10	10	< 10	130
PLS2025	201	202	< 0.01	26	410	26	< 2	3	37	< 0.01	< 10	< 10	8	< 10	114
PLS2026	201	202	< 0.01	162	500	18	2	4	39	< 0.01	< 10	< 10	18	< 10	98
PLS2027	201	202	< 0.01	279	1530	16	< 2	6	114	0.03	< 10	< 10	52	< 10	168
PLS2028	201	202	< 0.01	181	1190	30	< 2	5	82	0.02	< 10	< 10	40	< 10	376
PLS2029	201	202	< 0.01	151	1130	30	< 2	5	83	0.02	< 10	< 10	42	< 10	390
PLS2030	201	202	< 0.01	29	470	52	4	4	28	< 0.01	< 10	< 10	21	< 10	280
PLS2031	201	202	< 0.01	709	1140	10	2	5	52	< 0.01	< 10	< 10	27	< 10	86
PLS2032	201	202	< 0.01	554	730	22	2	5	43	< 0.01	< 10	< 10	24	< 10	110
PLS2033	201	202	< 0.01	130	720	14	2	3	41	< 0.01	< 10	< 10	33	< 10	168
PLS2034	201	202	< 0.01	118	710	10	4	3	43	< 0.01	< 10	< 10	28	< 10	132
PLS2035	201	202	< 0.01	468	1240	22	< 2	6	83	< 0.01	< 10	< 10	34	< 10	154
PLS2036	201	202	< 0.01	243	990	18	< 2	5	75	< 0.01	< 10	< 10	32	< 10	146
PLS2037	201	202	< 0.01	283	1090	24	2	5	93	< 0.01	< 10	< 10	30	< 10	140
PLS2038	201	202	< 0.01	297	1080	20	< 2	5	93	< 0.01	< 10	< 10	33	< 10	140
PLS2039	201	202	< 0.01	392	1030	18	6	5	87	< 0.01	< 10	< 10	29	< 10	136
PLS2040	201	202	< 0.01	345	1060	20	2	4	83	< 0.01	< 10	< 10	28	< 10	126
PLS2041	201	202	< 0.01	26	420	34	< 2	3	31	< 0.01	< 10	< 10	7	< 10	226

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: MANSON CREEK RESOURCES LTD. *

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

INVOICE NUMBER I 9 8 2 8 4 9 0

BILLING INFORMATION

Date: 27-AUG-98
Project: MCK YUKI
P.O. No.:
Account: QJD

Comments:

Billing: For analysis performed on Certificate A9828490

Terms: Payment due on receipt of invoice 1.25% per month (15% per annum) charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

COPY

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
44	201 - Dry, sieve to -80 mesh	1.25		
	202 - save reject	0.85		
	ICP-32	7.00	9.10	400.40

Total Cost $	400.40
(Reg# R100938885) GST $	28.03
TOTAL PAYABLE (CDN) $	**428.43**

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN:JENNIFER EATON CC:STEVE AMOR

Certificate Date: 27-AUG-1998
Invoice No. : I9828490
P.O. Number :
Account : QJD

CERTIFICATE OF ANALYSIS A9828490

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
ABS0087	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
ABS0088	201	202	< 0.2	0.71	20	90	< 0.5	< 2	3.36	< 0.5	13	11	34	3.06	< 10	< 1	0.09	10	0.72	500	1
ABS0089	201	202	< 0.2	0.57	32	90	< 0.5	< 2	2.85	< 0.5	12	9	29	2.75	< 10	< 1	0.08	10	0.63	420	3
ABS0090	201	202	< 0.2	2.15	154	600	0.5	< 2	1.18	36.5	44	42	53	12.15	< 10	1	0.06	< 10	0.28	820	4
ABS0091	201	202	1.2	0.37	18	990	< 0.5	< 2	0.87	0.5	5	16	28	1.74	< 10	< 1	0.09	10	0.37	130	3
ABS0092	201	202	1.0	0.54	10	1150	< 0.5	< 2	2.59	0.5	4	19	27	1.95	< 10	< 1	0.10	10	1.39	195	3
ABS0093	201	202	0.2	1.20	20	140	0.5	< 2	4.09	0.5	19	17	38	3.52	< 10	< 1	0.10	10	2.70	2690	2
ABS0094	201	202	0.6	0.66	14	1130	< 0.5	< 2	0.74	< 0.5	7	18	25	2.39	< 10	< 1	0.10	10	0.41	270	3
ABS0095	201	202	0.2	0.96	10	750	< 0.5	< 2	2.66	< 0.5	8	19	25	2.38	< 10	< 1	0.10	< 10	0.95	290	1
ABS0096	201	202	0.2	0.79	6	1070	< 0.5	< 2	1.21	< 0.5	6	17	17	2.03	< 10	< 1	0.09	10	0.65	220	2
ABS0097	201	202	0.6	0.85	8	530	< 0.5	< 2	1.36	< 0.5	7	18	23	2.17	< 10	< 1	0.11	10	0.52	305	1
ABS0098	201	202	0.6	0.89	10	790	< 0.5	< 2	1.76	0.5	8	19	26	2.42	< 10	< 1	0.12	10	0.66	330	3
ABS0099	201	202	< 0.2	0.94	< 2	100	0.5	< 2	7.83	< 0.5	8	15	20	2.09	< 10	< 1	0.11	< 10	4.00	400	2
ABS0100	201	202	< 0.2	1.28	26	120	0.5	< 2	0.38	0.5	27	17	57	5.10	< 10	< 1	0.11	< 10	0.50	1090	2
ABS0101	201	202	< 0.2	1.78	8	40	0.5	< 2	0.70	< 0.5	23	21	40	4.58	< 10	< 1	0.10	< 10	0.70	755	< 1
ABS0102	201	202	< 0.2	1.74	10	40	0.5	< 2	0.65	< 0.5	24	21	37	4.40	< 10	< 1	0.10	< 10	0.69	850	1
ABS0103	201	202	< 0.2	0.69	16	90	< 0.5	< 2	0.64	< 0.5	22	11	48	4.54	< 10	< 1	0.09	< 10	0.34	725	< 1
ABS0104	201	202	< 0.2	2.35	44	70	0.5	< 2	0.51	0.5	81	35	186	6.94	< 10	< 1	0.09	20	1.22	2360	4
ABS0105	201	202	< 0.2	1.33	58	60	0.5	< 2	0.28	< 0.5	39	29	117	6.51	< 10	< 1	0.15	10	0.54	1160	1
ABS0106	201	202	< 0.2	0.77	30	50	0.5	< 2	0.27	< 0.5	26	13	60	5.25	< 10	< 1	0.10	< 10	0.29	875	1
ABS0107	201	202	< 0.2	1.52	26	70	0.5	< 2	0.42	< 0.5	33	35	86	5.51	< 10	< 1	0.10	10	0.77	1175	1
ABS0108	201	202	< 0.2	1.65	26	80	0.5	< 2	0.49	0.5	33	33	93	5.61	< 10	< 1	0.13	10	0.80	1115	1
ABS0109	201	202	< 0.2	1.69	16	80	0.5	< 2	0.49	< 0.5	24	23	47	4.73	< 10	< 1	0.10	< 10	0.72	900	1
PLS2064	201	202	< 0.2	0.88	16	60	0.5	< 2	1.32	< 0.5	17	13	43	3.53	< 10	< 1	0.11	10	0.85	980	1
PLS2065	201	202	< 0.2	0.99	16	50	0.5	< 2	0.81	< 0.5	16	14	42	3.67	< 10	< 1	0.11	10	0.65	485	1
PLS2066	201	202	< 0.2	0.95	14	60	0.5	< 2	4.50	< 0.5	14	14	38	2.97	< 10	< 1	0.12	10	1.02	425	2
PLS2067	201	202	< 0.2	0.85	26	120	0.5	< 2	0.99	< 0.5	19	11	47	3.41	< 10	< 1	0.13	10	0.50	540	1
PLS2068	201	202	< 0.2	0.85	16	80	0.5	< 2	3.81	< 0.5	14	13	36	2.92	< 10	< 1	0.11	10	0.93	465	2
PLS2069	201	202	< 0.2	0.76	8	80	< 0.5	< 2	4.13	< 0.5	13	11	33	2.71	< 10	< 1	0.10	10	0.89	435	1
PLS2070	201	202	< 0.2	0.74	36	70	< 0.5	< 2	1.51	< 0.5	16	11	50	3.92	< 10	1	0.09	10	0.43	505	1
PLS2071	201	202	< 0.2	0.39	30	60	< 0.5	< 2	1.48	< 0.5	12	6	46	3.24	< 10	< 1	0.08	10	0.46	385	3
PLS2072	201	202	< 0.2	0.65	18	70	< 0.5	< 2	0.40	< 0.5	28	8	44	5.07	< 10	< 1	0.08	< 10	0.24	830	< 1
PLS2073	201	202	< 0.2	0.60	34	60	< 0.5	< 2	0.72	< 0.5	18	8	43	4.34	< 10	< 1	0.08	< 10	0.29	445	1
PLS2074	201	202	< 0.2	0.84	8	90	0.5	< 2	7.25	< 0.5	8	15	19	1.98	< 10	< 1	0.09	< 10	3.72	375	1
PLS2075	201	202	< 0.2	0.57	30	90	< 0.5	< 2	3.06	0.5	14	10	41	3.04	< 10	< 1	0.08	10	0.72	465	3
PLS2076	201	202	< 0.2	0.64	28	90	< 0.5	< 2	2.36	< 0.5	14	10	37	3.16	< 10	< 1	0.08	< 10	0.51	370	1
PLS2077	201	202	< 0.2	1.28	20	150	0.5	< 2	0.79	< 0.5	20	17	45	3.44	< 10	< 1	0.21	10	0.49	685	1
PLS2078	201	202	< 0.2	0.79	50	100	0.5	< 2	3.06	0.5	25	14	81	4.52	< 10	< 1	0.14	< 10	0.97	885	1
PLS2079	201	202	< 0.2	0.75	32	170	0.5	< 2	3.75	0.5	25	14	77	4.86	< 10	< 1	0.11	< 10	1.77	835	3
PLS2080	201	202	< 0.2	1.00	26	200	0.5	< 2	2.99	0.5	21	17	65	4.78	< 10	< 1	0.11	< 10	1.41	730	4

CERTIFICATION: [signature]

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN:JENNIFER EATON CC:STEVE AMOR

Certificate Date: 27-AUG-1998
Invoice No. : 19828490
P.O. Number :
Account : QJD

CERTIFICATE OF ANALYSIS A9828490

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
ABS0087	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
ABS0088	201	202	< 0.01	27	570	22	2	4	124	< 0.01	< 10	< 10	11	< 10	88
ABS0089	201	202	< 0.01	25	510	18	< 2	3	100	< 0.01	< 10	< 10	10	< 10	82
ABS0090	201	202	< 0.01	221	1380	10	2	3	87	< 0.01	< 10	< 10	262	< 10	2900
ABS0091	201	202	< 0.01	44	1030	6	2	2	78	< 0.01	< 10	< 10	29	< 10	144
ABS0092	201	202	< 0.01	39	1050	6	2	3	71	< 0.01	< 10	< 10	27	< 10	146
ABS0093	201	202	< 0.01	25	430	52	6	4	25	< 0.01	< 10	< 10	21	< 10	270
ABS0094	201	202	< 0.01	33	920	10	< 2	3	47	< 0.01	< 10	< 10	27	< 10	132
ABS0095	201	202	< 0.01	33	520	10	< 2	3	69	< 0.01	< 10	< 10	23	< 10	106
ABS0096	201	202	< 0.01	27	760	6	2	2	43	< 0.01	< 10	< 10	24	< 10	96
ABS0097	201	202	< 0.01	31	750	8	< 2	3	63	< 0.01	< 10	< 10	27	< 10	116
ABS0098	201	202	< 0.01	36	800	6	4	3	77	< 0.01	< 10	< 10	28	< 10	140
ABS0099	201	202	< 0.01	17	570	16	< 2	3	96	< 0.01	< 10	< 10	19	< 10	124
ABS0100	201	202	< 0.01	51	570	32	< 2	6	36	< 0.01	< 10	< 10	17	< 10	116
ABS0101	201	202	< 0.01	39	380	26	2	4	45	< 0.01	< 10	< 10	12	< 10	98
ABS0102	201	202	< 0.01	38	350	28	< 2	4	42	< 0.01	< 10	< 10	12	< 10	94
ABS0103	201	202	< 0.01	35	450	32	2	5	39	< 0.01	< 10	< 10	13	< 10	106
ABS0104	201	202	< 0.01	84	630	38	2	11	17	0.01	< 10	< 10	52	< 10	114
ABS0105	201	202	< 0.01	58	570	22	6	12	29	< 0.01	< 10	< 10	48	< 10	98
ABS0106	201	202	< 0.01	40	590	26	4	7	24	< 0.01	< 10	< 10	16	< 10	80
ABS0107	201	202	< 0.01	47	510	22	< 2	8	29	0.03	< 10	< 10	57	< 10	98
ABS0108	201	202	< 0.01	49	590	26	< 2	9	36	0.01	< 10	< 10	50	< 10	102
ABS0109	201	202	< 0.01	40	380	24	2	5	36	< 0.01	< 10	< 10	20	< 10	96
PLS2064	201	202	< 0.01	33	770	22	2	5	55	< 0.01	< 10	< 10	11	< 10	98
PLS2065	201	202	< 0.01	32	620	24	< 2	4	42	< 0.01	< 10	< 10	12	< 10	98
PLS2066	201	202	< 0.01	28	630	22	< 2	3	163	< 0.01	< 10	< 10	12	< 10	90
PLS2067	201	202	< 0.01	30	650	36	< 2	4	46	< 0.01	< 10	< 10	11	< 10	78
PLS2068	201	202	< 0.01	27	620	20	< 2	3	151	< 0.01	< 10	< 10	10	< 10	90
PLS2069	201	202	< 0.01	24	580	20	2	3	156	< 0.01	< 10	< 10	9	< 10	88
PLS2070	201	202	< 0.01	36	680	26	< 2	4	74	< 0.01	< 10	< 10	12	< 10	140
PLS2071	201	202	< 0.01	28	580	24	2	3	87	< 0.01	< 10	< 10	6	< 10	82
PLS2072	201	202	< 0.01	47	370	34	2	5	27	< 0.01	< 10	< 10	8	< 10	114
PLS2073	201	202	< 0.01	37	500	32	< 2	5	39	< 0.01	< 10	< 10	8	< 10	114
PLS2074	201	202	< 0.01	17	530	16	2	3	90	< 0.01	< 10	< 10	17	< 10	120
PLS2075	201	202	< 0.01	31	690	22	2	4	103	< 0.01	< 10	< 10	12	< 10	134
PLS2076	201	202	< 0.01	29	600	20	< 2	4	86	< 0.01	< 10	< 10	12	< 10	114
PLS2077	201	202	0.01	32	730	38	2	5	71	< 0.01	< 10	< 10	14	< 10	108
PLS2078	201	202	< 0.01	44	700	22	< 2	8	114	< 0.01	< 10	< 10	18	< 10	116
PLS2079	201	202	< 0.01	70	690	20	< 2	8	111	< 0.01	< 10	< 10	20	< 10	116
PLS2080	201	202	< 0.01	65	590	22	< 2	7	94	< 0.01	< 10	< 10	21	< 10	136

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project: MCK YUKI
Comments: ATTN:JENNIFER EATON CC:STEVE AMOR

Certificate Date: 27-AUG-1998
Invoice No. : I9828490
P.O. Number :
Account : QJD

CERTIFICATE OF ANALYSIS A9828490

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
PLS2081	201	202	0.6	0.94	10	840	0.5	< 2	1.23	1.5	13	22	48	3.20	< 10	< 1	0.18	10	0.50	605	3
PLS2082	201	202	< 0.2	0.96	20	310	0.5	< 2	1.95	< 0.5	17	17	47	3.76	< 10	< 1	0.09	< 10	1.05	585	3
PLS2083	201	202	0.2	0.92	12	470	0.5	< 2	1.96	0.5	15	18	45	3.45	< 10	< 1	0.11	< 10	0.95	590	2
PLS2084	201	202	< 0.2	1.04	16	730	0.5	< 2	2.07	0.5	15	19	43	3.58	< 10	< 1	0.12	< 10	1.02	565	2
PLS2085	201	202	0.2	0.99	4	880	< 0.5	< 2	1.31	< 0.5	13	19	30	2.64	< 10	< 1	0.13	10	0.67	415	2

CERTIFICATION: [signature]

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Page Number : 2-B
Total Pages : 2
Certificate Date: 27-AUG-1998
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P.O. Number :
Account : QJD

CERTIFICATE OF ANALYSIS A9828490

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
PLS2081	201	202	< 0.01	32	1060	14	2	4	63	< 0.01	< 10	< 10	31	< 10	190
PLS2082	201	202	< 0.01	44	610	20	2	5	68	< 0.01	< 10	< 10	19	< 10	118
PLS2083	201	202	< 0.01	43	660	16	2	5	76	< 0.01	< 10	< 10	22	< 10	134
PLS2084	201	202	< 0.01	40	630	20	< 2	5	78	< 0.01	< 10	< 10	22	< 10	140
PLS2085	201	202	< 0.01	33	740	10	2	4	64	< 0.01	< 10	< 10	25	< 10	122

CERTIFICATION: [signature]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: MANSON CREEK RESOURCES LTD. *

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

INVOICE NUMBER I9828498

BILLING INFORMATION

Date: 27-AUG-98
Project: MCK YUKI
P.O. No.:
Account: QJD

Comments:

Billing: For analysis performed on Certificate A9828498

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum) charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
42	201 - Dry, sieve to -80 mesh	1.25		
	202 - save reject	0.85		
	ICP-32	7.00	9.10	382.20

Total Cost $ 382.20
(Reg# R100938885) GST $ 26.75

TOTAL PAYABLE (CDN) $ 408.95

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN:JENNIFER EATON CC:STEVE AMOR

Certificate Date: 27-AUG-199
Invoice No. : I9828498
P.O. Number :
Account : QJD

CERTIFICATE OF ANALYSIS A9828498

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
MSS4061	201	202	< 0.2	1.09	16	360	< 0.5	< 2	1.95	< 0.5	18	63	38	3.72	< 10	< 1	0.08	< 10	1.84	345	1
MSS4062	201	202	< 0.2	1.11	10	380	< 0.5	< 2	2.83	< 0.5	18	84	34	3.65	< 10	< 1	0.07	< 10	2.50	390	1
MSS4063	201	202	< 0.2	1.11	10	310	< 0.5	< 2	2.61	< 0.5	17	79	33	3.32	< 10	< 1	0.07	< 10	2.51	365	2
MSS4064	201	202	< 0.2	1.14	10	350	< 0.5	< 2	2.94	< 0.5	18	80	35	3.49	< 10	< 1	0.07	< 10	2.50	395	1
MSS4065	201	202	1.6	0.79	28	1110	< 0.5	< 2	2.06	6.0	9	27	43	2.78	< 10	< 1	0.12	10	0.40	740	11
MSS4066	201	202	1.6	0.71	20	880	< 0.5	2	6.64	10.5	6	22	47	1.99	< 10	< 1	0.12	< 10	0.31	390	12
MSS4067	201	202	1.4	0.80	10	720	< 0.5	< 2	3.82	6.5	6	24	38	1.76	< 10	< 1	0.12	< 10	0.60	190	6
MSS4068	201	202	1.2	0.56	16	1070	< 0.5	< 2	1.03	0.5	9	19	36	2.63	< 10	< 1	0.11	10	0.40	220	3
MSS4069	201	202	0.8	0.47	8	960	< 0.5	< 2	0.91	0.5	6	14	28	1.65	< 10	< 1	0.11	10	0.24	105	3
MSS4070	201	202	0.8	0.56	10	660	< 0.5	< 2	0.80	< 0.5	7	16	28	1.89	< 10	< 1	0.10	10	0.29	135	2
MSS4071	201	202	0.8	0.79	10	960	< 0.5	< 2	1.49	< 0.5	8	20	31	2.47	< 10	< 1	0.09	< 10	0.57	205	3
MSS4072	201	202	0.2	1.14	< 2	600	< 0.5	< 2	1.10	< 0.5	10	22	28	2.83	< 10	< 1	0.09	< 10	0.70	305	2
MSS4073	201	202	0.6	0.80	6	1000	< 0.5	< 2	1.48	0.5	8	19	28	2.42	< 10	< 1	0.10	10	0.58	240	2
MSS4074	201	202	0.6	0.85	10	930	< 0.5	< 2	1.58	0.5	9	19	30	2.56	< 10	< 1	0.08	< 10	0.67	270	3
MSS4075	201	202	< 0.2	0.78	8	70	0.5	< 2	2.52	< 0.5	15	12	43	3.51	< 10	< 1	0.09	< 10	1.21	555	2
MSS4076	201	202	< 0.2	0.91	20	120	0.5	< 2	3.24	< 0.5	17	12	38	3.23	< 10	< 1	0.14	10	1.22	655	2
MSS4077	201	202	< 0.2	0.90	14	160	0.5	< 2	3.15	< 0.5	18	13	40	3.31	< 10	< 1	0.11	< 10	1.05	605	2
MSS4078	201	202	< 0.2	1.22	16	110	0.5	< 2	3.24	< 0.5	18	19	41	3.95	< 10	< 1	0.08	< 10	1.05	865	1
MSS4079	201	202	< 0.2	1.83	10	160	0.5	< 2	1.17	< 0.5	25	27	56	5.09	< 10	< 1	0.07	10	0.86	1075	2
MSS4080	201	202	< 0.2	1.34	20	270	0.5	< 2	2.21	< 0.5	22	22	59	4.85	< 10	< 1	0.07	< 10	1.14	965	2
PLS2042	201	202	< 0.2	0.96	12	110	0.5	< 2	7.59	< 0.5	8	17	20	2.15	< 10	< 1	0.12	< 10	3.86	410	< 1
PLS2043	201	202	< 0.2	0.63	26	130	0.5	< 2	3.26	< 0.5	13	9	31	3.06	< 10	< 1	0.11	< 10	1.83	805	1
PLS2044	201	202	< 0.2	0.78	22	180	0.5	< 2	3.43	< 0.5	13	22	34	3.32	< 10	< 1	0.10	< 10	2.22	960	1
PLS2045	201	202	< 0.2	0.99	16	200	0.5	< 2	2.55	< 0.5	30	109	45	4.06	< 10	< 1	0.10	< 10	3.64	885	1
PLS2046	201	202	< 0.2	1.35	38	240	0.5	< 2	1.52	0.5	32	142	77	5.35	< 10	< 1	0.10	10	3.24	845	1
PLS2047	201	202	< 0.2	1.25	38	280	0.5	< 2	1.17	< 0.5	35	205	66	5.20	< 10	< 1	0.09	10	4.17	825	1
PLS2048	201	202	< 0.2	1.63	28	380	0.5	< 2	0.99	0.5	28	141	63	5.17	< 10	< 1	0.11	10	2.69	865	3
PLS2049	201	202	< 0.2	2.14	26	210	0.5	< 2	0.47	0.5	28	58	58	5.39	< 10	< 1	0.10	10	1.21	1140	3
PLS2050	201	202	< 0.2	1.31	26	250	0.5	< 2	0.97	0.5	36	273	61	5.23	< 10	< 1	0.10	10	4.82	1065	3
PLS2051	201	202	< 0.2	0.71	24	190	0.5	< 2	4.18	0.5	19	14	74	3.53	< 10	< 1	0.12	10	2.51	960	2
PLS2052	201	202	2.0	0.42	10	640	< 0.5	< 2	0.66	0.5	4	17	21	1.56	< 10	< 1	0.10	10	0.15	140	1
PLS2053	201	202	1.0	0.38	20	840	< 0.5	< 2	2.47	0.5	4	11	26	1.38	< 10	< 1	0.09	< 10	0.69	85	2
PLS2054	201	202	< 0.2	0.85	8	100	0.5	< 2	7.43	< 0.5	8	15	19	2.02	< 10	< 1	0.09	< 10	3.77	395	< 1
PLS2055	201	202	4.2	0.31	8	710	< 0.5	< 2	1.50	1.0	3	23	34	1.55	< 10	< 1	0.09	10	0.18	50	3
PLS2056	201	202	0.8	0.38	14	1140	< 0.5	< 2	1.98	0.5	4	13	25	1.28	< 10	< 1	0.11	10	0.79	75	1
PLS2057	201	202	2.0	0.43	14	820	< 0.5	< 2	2.30	0.5	3	20	30	1.48	< 10	< 1	0.12	10	0.54	80	3
PLS2058	201	202	2.0	0.41	16	1090	< 0.5	< 2	2.57	0.5	3	20	26	1.35	< 10	< 1	0.13	10	0.64	70	3
PLS2059	201	202	1.8	0.41	10	890	< 0.5	< 2	2.21	0.5	3	20	25	1.28	< 10	< 1	0.12	10	0.57	70	3
PLS2060	201	202	< 0.2	0.74	< 2	150	< 0.5	2	13.65	3.0	4	12	18	1.39	< 10	< 1	0.11	< 10	1.62	325	3
PLS2061	201	202	< 0.2	0.88	< 2	130	< 0.5	< 2	12.55	1.0	6	15	25	1.68	< 10	< 1	0.13	< 10	2.30	310	2

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN:JENNIFER EATON CC:STEVE AMOR

Page Number :1-B
Total Pages :2
Certificate Date: 27-AUG-199
Invoice No. : I9828498
P.O. Number :
Account :QJD

CERTIFICATE OF ANALYSIS A9828498

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
MSS4061	201	202	< 0.01	118	550	18	< 2	5	70	< 0.01	< 10	< 10	22	< 10	106
MSS4062	201	202	< 0.01	138	490	16	4	4	90	< 0.01	< 10	< 10	25	< 10	102
MSS4063	201	202	< 0.01	139	510	18	< 2	4	93	< 0.01	< 10	< 10	25	< 10	102
MSS4064	201	202	< 0.01	140	500	16	2	4	109	< 0.01	< 10	< 10	25	< 10	104
MSS4065	201	202	< 0.01	103	1920	10	6	3	137	< 0.01	< 10	< 10	95	< 10	470
MSS4066	201	202	< 0.01	96	1800	10	6	2	161	< 0.01	< 10	< 10	82	< 10	500
MSS4067	201	202	< 0.01	82	1420	6	2	3	116	< 0.01	< 10	< 10	65	< 10	374
MSS4068	201	202	< 0.01	61	1160	12	2	3	92	< 0.01	< 10	< 10	29	< 10	236
MSS4069	201	202	< 0.01	35	700	8	< 2	2	76	< 0.01	< 10	< 10	22	< 10	120
MSS4070	201	202	< 0.01	40	720	6	2	2	71	< 0.01	< 10	< 10	22	< 10	132
MSS4071	201	202	< 0.01	44	730	8	< 2	3	75	< 0.01	< 10	< 10	23	< 10	146
MSS4072	201	202	< 0.01	40	550	10	< 2	3	45	< 0.01	< 10	< 10	26	< 10	132
MSS4073	201	202	< 0.01	44	710	10	2	3	74	< 0.01	< 10	< 10	23	< 10	148
MSS4074	201	202	< 0.01	44	720	8	< 2	3	69	< 0.01	< 10	< 10	23	< 10	150
MSS4075	201	202	< 0.01	31	550	22	< 2	5	65	< 0.01	< 10	< 10	11	< 10	90
MSS4076	201	202	< 0.01	29	500	30	2	4	57	< 0.01	< 10	< 10	11	< 10	88
MSS4077	201	202	< 0.01	33	450	28	< 2	4	102	< 0.01	< 10	< 10	11	< 10	92
MSS4078	201	202	< 0.01	31	420	32	< 2	5	89	< 0.01	< 10	< 10	16	< 10	106
MSS4079	201	202	< 0.01	40	390	40	< 2	6	48	< 0.01	< 10	< 10	20	< 10	128
MSS4080	201	202	< 0.01	44	420	30	< 2	7	62	< 0.01	< 10	< 10	20	< 10	104
PLS2042	201	202	< 0.01	18	550	18	2	3	90	< 0.01	< 10	< 10	20	< 10	128
PLS2043	201	202	< 0.01	25	480	30	< 2	3	34	< 0.01	< 10	< 10	9	< 10	228
PLS2044	201	202	< 0.01	47	470	26	< 2	4	33	< 0.01	< 10	< 10	12	< 10	194
PLS2045	201	202	< 0.01	300	490	24	< 2	5	43	< 0.01	< 10	< 10	21	< 10	150
PLS2046	201	202	< 0.01	268	840	18	2	7	58	0.04	< 10	< 10	44	< 10	126
PLS2047	201	202	< 0.01	366	850	16	2	6	53	0.03	< 10	< 10	42	< 10	120
PLS2048	201	202	< 0.01	223	980	24	2	6	50	0.02	< 10	< 10	41	< 10	142
PLS2049	201	202	< 0.01	81	680	36	< 2	5	37	< 0.01	< 10	< 10	26	< 10	152
PLS2050	201	202	< 0.01	408	1110	24	< 2	6	40	0.03	< 10	< 10	37	< 10	134
PLS2051	201	202	< 0.01	36	720	34	2	5	37	< 0.01	< 10	< 10	13	< 10	120
PLS2052	201	202	< 0.01	24	1080	6	2	1	34	< 0.01	< 10	< 10	21	< 10	152
PLS2053	201	202	< 0.01	33	780	6	< 2	2	60	< 0.01	< 10	< 10	19	< 10	124
PLS2054	201	202	< 0.01	17	540	18	< 2	3	87	< 0.01	< 10	< 10	17	< 10	122
PLS2055	201	202	< 0.01	40	1080	2	< 2	2	52	< 0.01	< 10	< 10	21	< 10	148
PLS2056	201	202	< 0.01	31	810	6	< 2	1	56	< 0.01	< 10	< 10	20	< 10	118
PLS2057	201	202	< 0.01	37	960	2	2	2	64	< 0.01	< 10	< 10	25	< 10	136
PLS2058	201	202	< 0.01	31	940	2	2	2	65	< 0.01	< 10	< 10	24	< 10	120
PLS2059	201	202	< 0.01	30	910	4	2	1	62	< 0.01	< 10	< 10	24	< 10	116
PLS2060	201	202	< 0.01	22	530	10	2	1	174	< 0.01	10	< 10	18	< 10	230
PLS2061	201	202	< 0.01	17	550	12	< 2	2	160	< 0.01	10	< 10	21	< 10	148

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
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T2P 3T6

Project : MCK YUKI
Comments: ATTN:JENNIFER EATON CC:STEVE AMOR

Page Number : 2-A
Total Pages : 2
Certificate Date: 27-AUG-199
Invoice No. : I9828498
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Account : QJD

CERTIFICATE OF ANALYSIS A9828498

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
PLS2062	201	202	0.2	1.28	20	150	0.5	< 2	4.53	0.5	19	17	40	3.75	< 10	< 1	0.10	10	2.80	2620	3
PLS2063	201	202	< 0.2	0.91	28	70	0.5	< 2	0.41	2.0	48	14	42	5.55	< 10	< 1	0.11	10	0.31	1635	1

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
PLS2062	201	202	< 0.01	25	460	54	< 2	4	32	< 0.01	< 10	< 10	22	< 10	294
PLS2063	201	202	< 0.01	89	590	22	4	4	24	< 0.01	< 10	< 10	14	< 10	218

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CALGARY, AB
T2P 3T6

INVOICE NUMBER I 9 8 2 8 4 9 9

BILLING INFORMATION

Date: 27-AUG-98
Project: MCK YUKI
P.O. No.:
Account: QJD

Comments:

Billing: For analysis performed on Certificate A9828499

Terms: Payment due on receipt of invoice 1.25% per month (15% per annum) charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
42	201 - Dry, sieve to -80 mesh	1.25		
	202 - save reject	0.85		
	ICP-32	7.00	9.10	382.20

Total Cost $ 382.20
(Reg# R100938885) GST $ 26.75

TOTAL PAYABLE (CDN) $ 408.95

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CERTIFICATE OF ANALYSIS A9828499

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
ABS0055	201	202	< 0.2	1.84	14	110	0.5	< 2	1.02	< 0.5	19	26	47	4.72	< 10	< 1	0.11	< 10	0.75	705	1
ABS0056	201	202	< 0.2	1.64	18	300	0.5	< 2	1.54	< 0.5	19	25	48	4.82	< 10	< 1	0.10	< 10	0.79	770	1
ABS0057	201	202	< 0.2	1.23	28	190	0.5	< 2	1.01	< 0.5	19	61	37	4.35	< 10	1	0.08	< 10	1.11	1035	< 1
ABS0058	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
ABS0059	201	202	< 0.2	0.87	42	310	0.5	< 2	2.83	< 0.5	17	13	36	3.73	< 10	1	0.11	10	0.76	805	< 1
ABS0060	201	202	1.6	0.75	26	1080	0.5	< 2	0.84	4.0	11	29	46	3.41	< 10	1	0.16	10	0.16	785	7
ABS0061	201	202	< 0.2	0.39	< 2	70	< 0.5	2	12.85	< 0.5	3	8	14	0.89	< 10	< 1	0.05	< 10	7.33	155	< 1
ABS0062	201	202	0.2	1.80	8	400	0.5	< 2	0.59	3.0	11	32	54	4.51	< 10	< 1	0.16	< 10	0.72	440	6
ABS0063	201	202	< 0.2	0.46	10	70	< 0.5	< 2	12.10	< 0.5	5	10	11	1.03	< 10	2	0.06	< 10	7.09	120	1
ABS0064	201	202	0.2	1.11	14	620	< 0.5	< 2	2.02	0.5	10	22	21	2.37	< 10	1	0.09	10	1.12	235	3
ABS0065	201	202	0.2	1.11	10	610	< 0.5	< 2	2.52	0.5	12	22	24	2.61	< 10	1	0.10	10	1.50	270	3
ABS0066	201	202	0.2	1.04	10	670	< 0.5	< 2	1.75	0.5	10	22	18	2.26	< 10	1	0.08	10	0.97	205	2
ABS0067	201	202	0.6	1.26	6	490	< 0.5	< 2	1.77	0.5	12	24	30	2.48	< 10	< 1	0.09	10	0.99	245	2
ABS0068	201	202	< 0.2	0.36	< 2	90	< 0.5	2	13.65	< 0.5	4	7	9	1.11	< 10	3	0.07	< 10	7.30	135	< 1
ABS0069	201	202	0.6	1.23	8	520	< 0.5	< 2	2.22	1.5	12	24	31	2.59	< 10	< 1	0.10	10	1.12	280	3
ABS0070	201	202	0.8	1.23	8	530	0.5	< 2	2.43	1.5	13	25	43	2.58	< 10	1	0.09	10	0.99	325	3
ABS0071	201	202	0.6	1.22	10	500	< 0.5	< 2	2.79	1.5	13	24	33	2.56	< 10	< 1	0.10	10	1.34	305	1
ABS0072	201	202	1.0	0.58	10	630	< 0.5	< 2	5.12	2.0	5	17	30	2.15	< 10	< 1	0.11	< 10	0.25	155	1
ABS0073	201	202	0.2	0.78	6	350	< 0.5	< 2	8.04	< 0.5	6	14	20	2.07	< 10	< 1	0.09	< 10	2.01	295	2
ABS0074	201	202	0.8	0.49	6	320	< 0.5	< 2	13.60	1.5	4	12	19	1.53	< 10	< 1	0.08	< 10	0.50	255	< 1
ABS0075	201	202	0.8	0.72	18	310	< 0.5	< 2	10.85	0.5	5	16	25	2.42	< 10	1	0.10	< 10	0.73	320	3
ABS0076	201	202	0.2	1.54	22	180	0.5	< 2	4.02	0.5	25	18	45	4.53	< 10	1	0.14	20	2.96	3830	1
ABS0077	201	202	< 0.2	1.62	26	100	1.5	< 2	0.24	< 0.5	46	18	73	6.22	< 10	< 1	0.14	10	0.45	2190	2
ABS0078	201	202	< 0.2	0.98	22	80	0.5	< 2	0.58	< 0.5	32	15	66	5.19	< 10	< 1	0.14	10	0.41	1640	1
ABS0079	201	202	< 0.2	0.72	24	60	0.5	< 2	0.40	< 0.5	25	14	69	4.08	< 10	< 1	0.11	10	0.30	740	1
ABS0080	201	202	< 0.2	0.96	24	80	0.5	< 2	0.60	< 0.5	30	17	73	5.15	< 10	< 1	0.12	10	0.45	1200	1
ABS0081	201	202	< 0.2	1.01	22	60	0.5	< 2	0.72	< 0.5	24	17	66	4.54	< 10	< 1	0.11	10	0.50	720	1
ABS0082	201	202	< 0.2	1.27	24	70	0.5	< 2	0.68	< 0.5	30	20	76	5.30	< 10	< 1	0.13	10	0.64	1100	< 1
ABS0083	201	202	< 0.2	1.59	42	530	0.5	< 2	1.92	< 0.5	26	57	77	5.35	< 10	< 1	0.10	10	1.84	985	1
ABS0084	201	202	< 0.2	1.18	20	100	0.5	< 2	1.00	< 0.5	20	25	62	4.08	< 10	< 1	0.09	10	0.78	485	< 1
ABS0085	201	202	< 0.2	1.87	16	210	0.5	< 2	0.78	< 0.5	23	63	86	4.85	< 10	< 1	0.09	10	1.81	505	1
ABS0086	201	202	< 0.2	1.24	32	100	0.5	< 2	1.11	< 0.5	20	25	65	4.24	< 10	< 1	0.09	10	0.84	520	< 1
ABS0087	201	202	< 0.2	1.11	12	150	0.5	< 2	0.44	< 0.5	28	30	72	6.41	< 10	< 1	0.08	< 10	0.97	1170	1
MSS4051	201	202	< 0.2	1.11	8	190	0.5	< 2	3.81	< 0.5	22	27	88	5.27	< 10	< 1	0.07	< 10	1.48	675	1
MSS4052	201	202	< 0.2	0.90	10	320	< 0.5	< 2	3.13	< 0.5	18	46	51	3.60	< 10	< 1	0.08	< 10	1.78	385	1
MSS4053	201	202	< 0.2	0.92	10	360	< 0.5	< 2	4.15	< 0.5	19	72	51	3.56	< 10	< 1	0.09	< 10	2.92	455	1
MSS4054	201	202	< 0.2	0.94	16	410	< 0.5	< 2	4.07	< 0.5	17	51	50	3.54	< 10	1	0.09	< 10	1.99	365	< 1
MSS4055	201	202	< 0.2	0.93	18	460	< 0.5	< 2	4.88	< 0.5	17	57	48	3.53	< 10	6	0.09	< 10	2.09	405	1
MSS4056	201	202	< 0.2	1.02	18	270	< 0.5	< 2	4.63	< 0.5	17	44	56	3.54	< 10	< 1	0.10	< 10	1.61	345	1
MSS4057	201	202	0.4	1.30	18	150	0.5	< 2	4.00	0.5	21	16	41	3.81	< 10	< 1	0.12	10	2.65	2740	1

CERTIFICATION: [signature]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN:JENNIFER EATON CC:STEVE AMOR

Certificate Date: 27-AUG-1998
Invoice No. : I9828499
P.O. Number :
Account :QJD

CERTIFICATE OF ANALYSIS A9828499

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
ABS0055	201	202	< 0.01	38	310	22	< 2	6	54	< 0.01	< 10	< 10	20	< 10	100
ABS0056	201	202	< 0.01	43	340	24	< 2	6	79	< 0.01	< 10	< 10	20	< 10	100
ABS0057	201	202	< 0.01	93	720	20	< 2	5	59	< 0.01	< 10	< 10	27	< 10	124
ABS0058	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
ABS0059	201	202	< 0.01	33	500	34	< 2	4	105	< 0.01	< 10	< 10	13	< 10	148
ABS0060	201	202	< 0.01	88	2760	14	2	4	117	< 0.01	< 10	< 10	86	< 10	410
ABS0061	201	202	< 0.01	12	390	6	< 2	1	102	< 0.01	< 10	< 10	15	< 10	62
ABS0062	201	202	0.01	89	950	20	< 2	5	78	< 0.01	< 10	< 10	47	< 10	562
ABS0063	201	202	< 0.01	15	350	6	< 2	1	93	< 0.01	< 10	< 10	16	< 10	48
ABS0064	201	202	< 0.01	35	980	10	< 2	3	57	0.01	< 10	< 10	48	< 10	176
ABS0065	201	202	0.01	38	980	8	< 2	3	62	< 0.01	< 10	< 10	48	< 10	182
ABS0066	201	202	0.01	31	1150	8	< 2	3	56	0.03	< 10	< 10	48	< 10	154
ABS0067	201	202	0.01	44	1000	10	< 2	4	59	0.01	< 10	< 10	49	< 10	210
ABS0068	201	202	< 0.01	13	240	8	< 2	1	111	< 0.01	< 10	< 10	13	< 10	52
ABS0069	201	202	0.01	45	970	14	< 2	3	62	< 0.01	< 10	< 10	49	< 10	216
ABS0070	201	202	0.01	52	990	14	< 2	4	68	< 0.01	< 10	< 10	48	< 10	224
ABS0071	201	202	0.01	47	980	12	< 2	4	68	< 0.01	< 10	< 10	46	< 10	224
ABS0072	201	202	< 0.01	90	1040	10	< 2	3	122	< 0.01	< 10	< 10	26	< 10	380
ABS0073	201	202	< 0.01	30	610	14	< 2	3	145	< 0.01	< 10	< 10	22	< 10	236
ABS0074	201	202	< 0.01	56	680	4	< 2	1	226	< 0.01	< 10	10	19	< 10	596
ABS0075	201	202	< 0.01	63	850	8	< 2	3	206	< 0.01	< 10	< 10	23	< 10	522
ABS0076	201	202	< 0.01	30	410	74	2	4	26	< 0.01	< 10	< 10	24	< 10	336
ABS0077	201	202	< 0.01	73	720	36	< 2	7	35	< 0.01	< 10	< 10	17	< 10	144
ABS0078	201	202	< 0.01	56	520	26	< 2	7	40	< 0.01	< 10	< 10	19	< 10	106
ABS0079	201	202	< 0.01	39	480	28	< 2	5	29	< 0.01	< 10	< 10	18	< 10	94
ABS0080	201	202	< 0.01	46	480	28	< 2	6	38	< 0.01	< 10	< 10	21	< 10	106
ABS0081	201	202	< 0.01	39	590	28	< 2	6	48	< 0.01	< 10	< 10	21	< 10	100
ABS0082	201	202	< 0.01	44	490	22	< 2	6	42	< 0.01	< 10	< 10	27	< 10	104
ABS0083	201	202	< 0.01	104	490	20	< 2	8	99	< 0.01	< 10	< 10	40	< 10	118
ABS0084	201	202	< 0.01	45	510	18	< 2	6	52	< 0.01	< 10	< 10	27	< 10	94
ABS0085	201	202	< 0.01	106	480	12	< 2	8	48	< 0.01	< 10	< 10	47	< 10	96
ABS0086	201	202	< 0.01	47	500	20	< 2	6	59	< 0.01	< 10	< 10	27	< 10	100
ABS0087	201	202	< 0.01	84	400	18	< 2	8	36	< 0.01	< 10	< 10	28	< 10	102
MSS4051	201	202	< 0.01	64	430	16	< 2	8	153	< 0.01	< 10	< 10	30	< 10	104
MSS4052	201	202	< 0.01	91	620	20	< 2	6	117	< 0.01	< 10	< 10	27	< 10	112
MSS4053	201	202	< 0.01	138	670	26	< 2	6	96	< 0.01	< 10	< 10	30	< 10	134
MSS4054	201	202	< 0.01	99	620	20	< 2	6	120	< 0.01	< 10	< 10	29	< 10	114
MSS4055	201	202	< 0.01	103	620	18	< 2	6	138	< 0.01	< 10	< 10	28	< 10	112
MSS4056	201	202	< 0.01	93	690	20	< 2	6	150	< 0.01	< 10	< 10	27	< 10	114
MSS4057	201	202	< 0.01	25	500	62	< 2	4	30	< 0.01	< 10	< 10	24	< 10	286

CERTIFICATION: [illegible]

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN:JENNIFER EATON CC:STEVE AMOR

Certificate Date: 27-AUG-1998
Invoice No. : I9828499
P.O. Number :
Account :QJD

CERTIFICATE OF ANALYSIS A9828499

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
MSS4058	201	202	< 0.2	0.63	10	200	< 0.5	< 2	8.50	< 0.5	9	12	17	2.35	< 10	2	0.08	< 10	2.99	1000	< 1
MSS4059	201	202	< 0.2	0.18	< 2	110	< 0.5	< 2	>15.00	< 0.5	1	9	< 1	0.37	< 10	2	0.02	< 10	0.63	85	< 1
MSS4060	201	202	< 0.2	1.11	6	250	< 0.5	< 2	2.75	< 0.5	15	60	34	3.10	< 10	< 1	0.08	< 10	1.99	310	< 1

CERTIFICATION: [signature]

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
MSS4058	201	202	< 0.01	27	380	30	< 2	3	211	< 0.01	< 10	< 10	8	< 10	116
MSS4059	201	202	< 0.01	14	160	2	< 2	< 1	875	< 0.01	< 10	< 10	4	< 10	98
MSS4060	201	202	< 0.01	108	590	20	< 2	4	127	< 0.01	< 10	< 10	24	< 10	98

CERTIFICATION: [signature]

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: MANSON CREEK RESOURCES LTD. *

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

INVOICE NUMBER I 9 8 2 8 5 0 0

BILLING INFORMATION

Date: 27-AUG-98
Project: MCK YUKI
P.O. No.:
Account: QJD

Comments:

Billing: For analysis performed on Certificate A9828500

Terms: Payment due on receipt of invoice 1.25% per month (15% per annum) charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

COPY

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
34	201 - Dry, sieve to -80 mesh	1.25		
	202 - save reject	0.85		
	ICP-32	7.00	9.10	309.40

Total Cost $	309.40
(Reg# R100938885) GST $	21.66
TOTAL PAYABLE (CDN) $	331.06

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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CALGARY, AB
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Project : MCK YUKI
Comments: ATTN:JENNIFER EATON CC:STEVE AMOR

Page Number : 1-A
Total Pages : 1
Certificate Date: 27-AUG-199
Invoice No. : I9828500
P.O. Number :
Account : QJD

CERTIFICATE OF ANALYSIS A9828500

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
AB98001	201	202	0.6	0.44	46	660	< 0.5	< 2	7.26	0.5	18	9	61	2.26	< 10	1	0.07	10	4.05	1095	2
AB98002	201	202	< 0.2	0.26	6	120	< 0.5	< 2	12.25	< 0.5	7	1	20	1.92	< 10	4	0.04	< 10	7.23	765	< 1
AB98003	201	202	< 0.2	0.27	8	90	< 0.5	< 2	12.15	< 0.5	7	3	26	1.80	< 10	3	0.05	< 10	7.38	780	1
ABS0042	201	202	< 0.2	0.91	< 2	110	< 0.5	< 2	7.67	< 0.5	8	15	17	2.05	< 10	< 1	0.12	10	3.95	400	< 1
ABS0043	201	202	0.2	0.31	< 2	230	< 0.5	< 2	11.70	0.5	3	11	9	0.85	< 10	< 1	0.05	< 10	7.07	230	< 1
ABS0044	201	202	1.4	0.61	12	960	< 0.5	< 2	5.47	2.0	5	21	33	1.71	< 10	< 1	0.12	10	3.03	205	1
ABS0045	201	202	0.8	0.39	16	850	< 0.5	< 2	2.06	1.0	2	20	19	1.45	< 10	< 1	0.10	10	0.76	90	1
ABS0046	201	202	0.6	1.28	16	190	0.5	< 2	3.90	0.5	20	16	42	3.77	< 10	< 1	0.13	10	2.60	2860	< 1
ABS0047	201	202	0.2	0.96	10	730	< 0.5	< 2	2.68	0.5	10	20	25	2.18	< 10	< 1	0.11	10	1.09	505	1
ABS0048	201	202	0.8	0.89	6	610	< 0.5	< 2	2.64	0.5	6	23	33	2.18	< 10	1	0.11	< 10	1.05	210	< 1
ABS0049	201	202	0.2	0.87	6	830	< 0.5	< 2	5.06	0.5	7	18	18	1.77	< 10	< 1	0.10	10	1.23	355	< 1
ABS0050	201	202	0.2	0.95	< 2	940	< 0.5	< 2	4.91	< 0.5	9	20	21	1.95	< 10	< 1	0.12	10	1.49	410	< 1
ABS0051	201	202	0.2	0.98	4	770	< 0.5	< 2	5.15	0.5	8	20	22	1.91	< 10	< 1	0.13	10	1.44	350	1
ABS0052	201	202	0.4	0.83	6	840	< 0.5	< 2	5.34	0.5	6	18	20	1.75	< 10	< 1	0.10	10	1.40	275	1
GS98001	201	202	0.2	1.07	4	160	0.5	< 2	2.98	0.5	11	15	23	2.88	< 10	< 1	0.13	10	1.94	410	< 1
KTS5041	201	202	0.6	0.95	10	1090	0.5	< 2	1.39	5.5	10	28	40	2.69	< 10	1	0.20	20	0.55	360	7
KTS5042	201	202	0.8	0.82	2	950	0.5	< 2	1.72	6.5	9	26	43	2.36	< 10	1	0.15	10	0.57	230	6
KTS5043	201	202	0.8	1.46	6	250	< 0.5	< 2	0.69	0.5	5	68	60	3.63	< 10	< 1	0.09	< 10	0.59	100	3
KTS5044	201	202	0.4	1.02	6	640	< 0.5	< 2	2.00	3.0	7	35	34	2.55	< 10	< 1	0.11	10	0.97	220	3
KTS5045	201	202	0.4	0.89	10	620	< 0.5	< 2	2.69	3.0	10	28	44	2.37	< 10	< 1	0.11	10	1.05	505	4
KTS5046	201	202	0.2	1.04	8	670	< 0.5	< 2	3.55	2.5	9	34	30	2.56	< 10	1	0.14	10	1.56	470	4
KTS5047	201	202	0.2	1.04	< 2	700	< 0.5	< 2	2.76	2.0	8	34	28	2.47	< 10	1	0.13	< 10	1.37	295	3
KTS5048	201	202	0.2	1.02	< 2	720	< 0.5	< 2	2.74	2.0	7	32	26	2.32	< 10	3	0.13	10	1.40	235	2
KTS5049	201	202	0.2	1.00	6	610	< 0.5	< 2	2.72	2.0	8	32	27	2.47	< 10	< 1	0.12	< 10	1.33	455	3
MSS4041	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
MSS4042	201	202	2.2	0.28	80	80	< 0.5	< 2	11.95	13.0	6	5	22	1.54	< 10	3	0.05	< 10	6.87	705	< 1
MSS4043	201	202	0.8	0.96	30	150	0.5	< 2	4.22	12.0	16	54	38	3.29	< 10	< 1	0.13	< 10	3.13	625	< 1
MSS4044	201	202	0.8	0.87	30	310	0.5	< 2	5.53	7.5	14	49	34	2.93	< 10	< 1	0.11	< 10	3.74	580	< 1
MSS4045	201	202	0.8	0.71	28	230	< 0.5	< 2	6.01	6.0	13	46	30	2.71	< 10	< 1	0.09	< 10	4.15	620	< 1
MSS4046	201	202	1.2	0.70	38	260	< 0.5	< 2	6.51	6.5	13	49	30	2.84	< 10	3	0.09	< 10	4.47	635	< 1
MSS4047	201	202	0.2	0.88	8	500	< 0.5	< 2	3.02	0.5	10	45	22	2.47	< 10	1	0.10	< 10	2.36	270	< 1
MSS4048	201	202	0.2	0.95	8	720	< 0.5	< 2	2.62	0.5	8	41	20	2.37	< 10	< 1	0.09	< 10	1.74	265	1
MSS4049	201	202	< 0.2	1.41	< 2	60	0.5	< 2	3.40	< 0.5	29	16	113	4.58	< 10	< 1	0.11	< 10	0.73	620	1
MSS4050	201	202	< 0.2	0.90	14	130	0.5	< 2	5.34	< 0.5	22	12	94	4.47	< 10	< 1	0.07	< 10	1.32	525	1
PL98002	201	202	0.6	0.28	4	20	< 0.5	2	13.40	2.0	5	3	10	1.82	< 10	3	0.07	< 10	8.49	500	< 1

CERTIFICATION: ____________

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Account : QJD

CERTIFICATE OF ANALYSIS A9828500

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
AB98001	201	202	< 0.01	37	570	274	2	3	35	0.01	< 10	< 10	17	< 10	368
AB98002	201	202	< 0.01	13	280	56	< 2	2	36	< 0.01	< 10	< 10	6	< 10	212
AB98003	201	202	< 0.01	14	360	52	< 2	2	30	< 0.01	< 10	< 10	7	< 10	142
ABS0042	201	202	< 0.01	17	560	18	< 2	3	91	< 0.01	< 10	< 10	20	< 10	116
ABS0043	201	202	< 0.01	17	730	12	< 2	1	55	< 0.01	< 10	< 10	19	< 10	128
ABS0044	201	202	< 0.01	49	1250	12	< 2	3	63	< 0.01	< 10	< 10	27	< 10	232
ABS0045	201	202	< 0.01	43	990	8	< 2	1	46	< 0.01	< 10	< 10	26	< 10	160
ABS0046	201	202	< 0.01	25	510	60	< 2	4	30	< 0.01	< 10	< 10	24	< 10	288
ABS0047	201	202	0.01	32	890	10	< 2	3	65	0.04	< 10	< 10	38	< 10	106
ABS0048	201	202	< 0.01	44	810	12	< 2	3	67	< 0.01	< 10	< 10	24	< 10	170
ABS0049	201	202	0.01	26	830	6	< 2	3	78	0.04	< 10	< 10	33	< 10	104
ABS0050	201	202	0.01	30	880	8	< 2	3	81	0.04	< 10	< 10	37	< 10	112
ABS0051	201	202	0.01	32	840	8	< 2	3	79	0.03	< 10	< 10	35	< 10	142
ABS0052	201	202	0.01	28	800	6	< 2	3	77	0.02	< 10	< 10	30	< 10	128
GS98001	201	202	< 0.01	20	520	58	< 2	5	22	< 0.01	< 10	< 10	19	< 10	282
KTS5041	201	202	< 0.01	78	1860	18	< 2	4	73	< 0.01	< 10	< 10	109	< 10	776
KTS5042	201	202	< 0.01	83	1540	16	2	3	75	< 0.01	< 10	< 10	90	< 10	822
KTS5043	201	202	0.01	95	590	16	< 2	4	44	< 0.01	< 10	< 10	33	< 10	342
KTS5044	201	202	< 0.01	76	950	14	< 2	3	59	< 0.01	< 10	< 10	45	< 10	436
KTS5045	201	202	< 0.01	74	960	14	< 2	3	66	< 0.01	< 10	< 10	54	< 10	580
KTS5046	201	202	< 0.01	68	960	22	< 2	3	73	< 0.01	< 10	< 10	59	< 10	724
KTS5047	201	202	< 0.01	55	860	26	< 2	3	59	< 0.01	< 10	< 10	51	< 10	554
KTS5048	201	202	< 0.01	49	870	22	< 2	2	58	< 0.01	< 10	< 10	47	< 10	510
KTS5049	201	202	< 0.01	51	850	22	< 2	3	63	< 0.01	< 10	< 10	45	< 10	478
MSS4041	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
MSS4042	201	202	< 0.01	16	510	1185	8	1	86	< 0.01	< 10	< 10	6	< 10	3250
MSS4043	201	202	< 0.01	124	470	402	6	5	52	< 0.01	< 10	< 10	18	< 10	2240
MSS4044	201	202	< 0.01	142	490	400	< 2	4	56	< 0.01	< 10	< 10	18	< 10	1730
MSS4045	201	202	< 0.01	107	430	478	2	3	50	< 0.01	< 10	< 10	15	< 10	1700
MSS4046	201	202	< 0.01	109	420	808	2	3	53	< 0.01	< 10	< 10	15	< 10	1850
MSS4047	201	202	< 0.01	83	540	78	< 2	3	43	< 0.01	< 10	< 10	25	< 10	470
MSS4048	201	202	< 0.01	54	690	30	2	2	45	< 0.01	< 10	< 10	31	< 10	352
MSS4049	201	202	< 0.01	40	500	14	< 2	10	134	< 0.01	< 10	< 10	32	< 10	82
MSS4050	201	202	< 0.01	39	600	24	< 2	8	219	< 0.01	< 10	< 10	25	< 10	132
PL98002	201	202	< 0.01	9	290	118	< 2	2	24	< 0.01	< 10	< 10	6	< 10	588

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: MANSON CREEK RESOURCES LTD. *

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

INVOICE NUMBER I9828501

BILLING INFORMATION

Date: 27-AUG-98
Project: MCK YUKI
P.O. No.:
Account: QJD

Comments:

Billing: For analysis performed on Certificate A9828501

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brookebank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
39	201 - Dry, sieve to -80 mesh	1.25		
	202 - save reject	0.85		
	ICP-32	7.00	9.10	354.90

Total Cost $	354.90
(Reg# R100938885) GST $	24.84
TOTAL PAYABLE (CDN) $	**379.74**

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN:JENNIFER EATON CC:STEVE AMOR

Certificate Date: 27-AUG-199
Invoice No. : 19828501
P.O. Number :
Account : QJD

CERTIFICATE OF ANALYSIS A9828501

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
MSS4001	201	202	0.8	1.14	8	420	0.5	< 2	1.14	1.0	9	32	36	2.91	< 10	< 1	0.14	10	0.39	225	3
MSS4002	201	202	0.6	0.73	4	570	< 0.5	< 2	1.76	0.5	8	20	28	2.22	< 10	< 1	0.12	< 10	0.34	145	3
MSS4003	201	202	0.8	0.91	10	370	< 0.5	< 2	1.28	1.0	7	22	31	2.10	< 10	1	0.13	< 10	0.36	175	2
MSS4004	201	202	0.2	0.98	10	370	< 0.5	< 2	2.64	< 0.5	10	20	26	2.55	< 10	1	0.11	< 10	0.99	435	2
MSS4005	201	202	0.6	0.85	18	440	< 0.5	2	8.62	4.0	8	19	31	1.97	< 10	< 1	0.09	< 10	2.71	335	2
MSS4006	201	202	1.0	1.22	26	810	0.5	< 2	6.60	6.0	14	25	58	2.51	< 10	< 1	0.14	10	2.23	330	11
MSS4007	201	202	0.8	1.08	40	800	1.0	< 2	8.67	7.0	26	22	74	2.70	< 10	< 1	0.15	< 10	2.60	560	19
MSS4008	201	202	0.2	1.15	20	270	0.5	< 2	10.95	7.5	12	21	26	1.85	< 10	< 1	0.07	10	2.23	380	1
MSS4009	201	202	0.2	1.39	26	300	0.5	2	3.77	0.5	23	15	41	4.18	< 10	< 1	0.11	10	2.68	3340	< 1
MSS4010	201	202	1.0	0.78	14	740	0.5	< 2	6.35	2.5	9	21	46	2.59	< 10	2	0.13	< 10	2.21	475	3
MSS4011	201	202	0.2	0.75	6	500	< 0.5	< 2	8.79	0.5	7	17	23	1.90	< 10	1	0.10	10	2.10	275	< 1
MSS4012	201	202	0.2	0.54	8	460	< 0.5	< 2	9.67	0.5	5	13	16	1.54	< 10	< 1	0.08	< 10	3.11	265	< 1
MSS4013	201	202	0.4	0.80	16	620	< 0.5	< 2	7.09	1.0	7	20	31	2.03	< 10	1	0.12	< 10	2.39	370	2
MSS4014	201	202	0.4	0.66	6	410	< 0.5	2	8.25	2.0	4	16	18	1.53	< 10	< 1	0.10	< 10	3.19	250	< 1
MSS4015	201	202	0.6	0.99	10	710	< 0.5	< 2	2.75	1.5	6	23	26	2.04	< 10	< 1	0.10	< 10	1.15	360	1
MSS4016	201	202	0.8	0.84	34	890	< 0.5	< 2	1.98	2.0	6	25	22	1.91	< 10	< 1	0.11	< 10	0.68	220	3
MSS4017	201	202	1.0	0.73	26	860	< 0.5	< 2	4.26	1.0	4	23	25	1.49	< 10	< 1	0.11	< 10	1.25	175	2
MSS4018	201	202	1.0	0.80	26	660	< 0.5	< 2	4.44	2.0	6	22	25	1.96	< 10	< 1	0.10	< 10	1.36	405	1
MSS4019	201	202	0.4	1.47	14	240	0.5	< 2	0.85	< 0.5	7	50	60	4.25	< 10	< 1	0.12	< 10	0.76	120	4
MSS4020	201	202	0.6	1.16	14	460	< 0.5	< 2	1.34	0.5	5	54	40	3.74	< 10	< 1	0.13	< 10	0.97	130	4
MSS4022	201	202	1.2	0.90	16	830	< 0.5	< 2	1.80	1.5	6	31	36	2.71	< 10	< 1	0.11	< 10	0.99	155	3
MSS4023	201	202	0.6	0.61	22	820	< 0.5	< 2	4.24	1.5	7	21	22	2.52	< 10	< 1	0.09	< 10	2.48	340	3
MSS4024	201	202	0.6	0.75	10	760	< 0.5	< 2	1.90	0.5	6	23	23	2.39	< 10	< 1	0.08	< 10	1.07	285	1
MSS4025	201	202	0.6	0.73	6	890	< 0.5	< 2	3.67	0.5	6	31	22	2.13	< 10	< 1	0.08	< 10	1.73	260	3
MSS4026	201	202	0.6	0.65	28	970	< 0.5	< 2	2.55	2.5	7	44	21	2.15	< 10	< 1	0.10	< 10	1.32	360	6
MSS4027	201	202	0.2	1.38	28	370	0.5	< 2	0.78	0.5	43	300	77	5.00	< 10	< 1	0.18	10	4.20	1135	5
MSS4028	201	202	< 0.2	1.49	18	250	0.5	< 2	1.34	< 0.5	37	202	76	4.92	< 10	< 1	0.18	10	3.66	845	3
MSS4029	201	202	< 0.2	1.29	22	130	0.5	< 2	2.68	< 0.5	24	89	62	3.82	< 10	1	0.17	10	2.87	685	3
MSS4030	201	202	< 0.2	1.31	14	280	0.5	< 2	2.06	< 0.5	21	76	60	3.78	< 10	< 1	0.18	10	2.31	610	2
MSS4031	201	202	2.4	0.58	24	860	< 0.5	< 2	1.49	5.0	4	30	37	1.54	< 10	< 1	0.11	10	0.28	80	4
MSS4032	201	202	0.4	1.31	22	160	0.5	< 2	3.68	0.5	20	16	44	3.72	< 10	< 1	0.13	10	2.53	2700	1
MSS4033	201	202	0.8	0.93	42	300	0.5	< 2	0.62	8.5	9	50	94	12.75	< 10	1	0.11	< 10	0.14	200	14
MSS4034	201	202	1.8	0.69	28	1240	< 0.5	< 2	1.42	25.5	28	29	54	2.58	< 10	1	0.11	10	0.24	1815	9
MSS4035	201	202	1.2	0.93	26	530	< 0.5	< 2	2.54	2.5	8	23	29	2.73	< 10	1	0.10	10	0.59	615	2
MSS4036	201	202	0.6	1.05	12	740	< 0.5	< 2	3.23	2.0	8	20	25	2.58	< 10	< 1	0.11	< 10	0.83	290	3
MSS4037	201	202	1.4	0.95	10	550	< 0.5	< 2	1.62	2.0	6	23	32	2.03	< 10	< 1	0.10	10	0.40	110	1
MSS4038	201	202	0.6	0.67	10	550	< 0.5	< 2	5.37	1.5	6	15	17	1.59	< 10	4	0.07	< 10	2.64	280	1
MSS4039	201	202	0.4	0.79	4	570	< 0.5	2	5.94	4.0	5	17	24	1.72	< 10	1	0.08	< 10	1.97	225	1
MSS4040	201	202	1.4	0.14	260	80	< 0.5	2	12.50	2.5	5	2	19	2.15	< 10	1	0.03	< 10	8.11	850	< 1

CERTIFICATION: [signature]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN:JENNIFER EATON CC:STEVE AMOR

Certificate Date: 27-AUG-199
Invoice No. : I9828501
P.O. Number :
Account : QJD

CERTIFICATE OF ANALYSIS A9828501

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
MSS4001	201	202	0.01	65	980	12	< 2	6	61	< 0.01	< 10	< 10	37	< 10	234
MSS4002	201	202	< 0.01	54	620	18	< 2	4	55	< 0.01	< 10	< 10	23	< 10	202
MSS4003	201	202	< 0.01	48	910	10	< 2	4	61	< 0.01	< 10	< 10	29	< 10	172
MSS4004	201	202	< 0.01	37	710	12	< 2	4	59	< 0.01	< 10	< 10	29	< 10	154
MSS4005	201	202	< 0.01	73	1160	12	< 2	3	140	< 0.01	< 10	< 10	51	< 10	378
MSS4006	201	202	< 0.01	127	1570	12	2	4	158	< 0.01	< 10	< 10	107	< 10	544
MSS4007	201	202	< 0.01	161	1660	10	< 2	4	203	< 0.01	< 10	< 10	148	< 10	554
MSS4008	201	202	0.01	104	1060	8	< 2	3	80	0.01	< 10	< 10	54	< 10	590
MSS4009	201	202	< 0.01	26	420	50	< 2	4	29	< 0.01	< 10	< 10	23	< 10	328
MSS4010	201	202	< 0.01	93	1790	10	< 2	4	163	< 0.01	< 10	< 10	40	< 10	414
MSS4011	201	202	< 0.01	41	850	10	< 2	3	144	0.01	< 10	< 10	30	< 10	186
MSS4012	201	202	< 0.01	28	760	10	< 2	3	142	< 0.01	< 10	< 10	25	< 10	142
MSS4013	201	202	< 0.01	37	1060	10	< 2	3	137	< 0.01	< 10	< 10	42	< 10	186
MSS4014	201	202	0.01	25	850	6	< 2	3	124	< 0.01	< 10	< 10	29	< 10	144
MSS4015	201	202	< 0.01	30	1260	10	< 2	4	67	< 0.01	< 10	< 10	54	< 10	162
MSS4016	201	202	< 0.01	39	1590	8	< 2	3	83	< 0.01	< 10	< 10	90	< 10	244
MSS4017	201	202	< 0.01	35	1210	8	< 2	3	105	< 0.01	< 10	< 10	54	< 10	164
MSS4018	201	202	< 0.01	38	1030	6	< 2	3	89	< 0.01	< 10	< 10	51	< 10	194
MSS4019	201	202	0.01	38	700	18	< 2	4	53	< 0.01	< 10	< 10	32	< 10	150
MSS4020	201	202	0.01	41	690	14	< 2	3	47	< 0.01	< 10	< 10	33	< 10	230
MSS4022	201	202	< 0.01	43	1000	14	< 2	3	53	< 0.01	< 10	< 10	28	< 10	272
MSS4023	201	202	< 0.01	38	790	12	< 2	2	52	< 0.01	< 10	< 10	27	< 10	266
MSS4024	201	202	< 0.01	32	920	12	< 2	2	41	< 0.01	< 10	< 10	27	< 10	178
MSS4025	201	202	< 0.01	37	860	10	< 2	2	56	< 0.01	< 10	< 10	26	< 10	164
MSS4026	201	202	< 0.01	56	910	14	< 2	2	54	< 0.01	< 10	< 10	36	< 10	334
MSS4027	201	202	< 0.01	522	1020	20	< 2	7	67	< 0.01	< 10	< 10	45	< 10	160
MSS4028	201	202	< 0.01	369	860	32	< 2	7	69	< 0.01	< 10	< 10	36	< 10	268
MSS4029	201	202	< 0.01	159	990	30	< 2	5	52	0.01	< 10	< 10	28	< 10	288
MSS4030	201	202	< 0.01	131	1050	24	< 2	5	52	0.01	< 10	< 10	32	< 10	250
MSS4031	201	202	< 0.01	61	1400	42	< 2	3	65	< 0.01	< 10	< 10	51	< 10	726
MSS4032	201	202	< 0.01	23	510	54	< 2	4	31	< 0.01	< 10	< 10	24	< 10	288
MSS4033	201	202	< 0.01	61	1790	20	2	3	83	< 0.01	< 10	< 10	75	< 10	888
MSS4034	201	202	< 0.01	120	1840	20	2	3	111	< 0.01	< 10	< 10	94	< 10	1335
MSS4035	201	202	< 0.01	48	1300	30	< 2	3	68	< 0.01	< 10	< 10	39	< 10	326
MSS4036	201	202	0.01	39	1050	26	< 2	3	67	< 0.01	< 10	< 10	34	< 10	276
MSS4037	201	202	< 0.01	43	970	38	< 2	3	69	< 0.01	< 10	< 10	35	< 10	362
MSS4038	201	202	< 0.01	28	880	14	< 2	1	65	< 0.01	< 10	< 10	27	< 10	230
MSS4039	201	202	< 0.01	32	940	12	< 2	2	80	< 0.01	< 10	< 10	29	< 10	196
MSS4040	201	202	< 0.01	14	770	250	< 2	1	87	< 0.01	< 10	< 10	4	< 10	1120

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: MANSON CREEK RESOURCES LTD. *

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

INVOICE NUMBER I9828919

BILLING INFORMATION

Date: 31-AUG-98
Project: MCK YUKI
P.O. No.:
Account: QJD

Comments:

Billing: For analysis performed on Certificate A9828919

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum) charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

COPY

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
4	201 - Dry, sieve to -80 mesh	1.25		
	202 - save reject	0.85		
	ICP-32	7.00	9.10	36.40

Total Cost $ 36.40
(Reg# R100938885) GST $ 2.55

TOTAL PAYABLE (CDN) $ 38.95

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN: JENNIFER EATON CC: STEVE AMOR

Certificate Date: 30-AUG-98
Invoice No. : I-9828919
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9828919

SAMPLE DESCRIPTION	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
ABSX7	201	202	0.2	1.35	16	190	0.5	2	3.91	< 0.5	21	5	45	3.99	< 10	< 1	0.13	10	2.66	2750	2
ABSX8	201	202	< 0.2	1.27	16	200	0.5	< 2	3.87	< 0.5	20	5	40	3.80	< 10	< 1	0.12	10	2.58	2570	< 1
BBS7	201	202	< 0.2	1.26	18	170	0.5	< 2	3.71	< 0.5	21	8	41	3.82	< 10	< 1	0.12	10	2.46	2820	1
BBS8	201	202	< 0.2	1.32	24	310	0.5	< 2	3.88	< 0.5	20	6	41	3.97	< 10	< 1	0.12	10	2.62	2990	1

CERTIFICATION:_______________

CHEMEX FAX LABS

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN: JENNIFER EATON CC: STEVE AMOR

Page Number 1-B
Total Pages 1
Certificate Date 30-AUG-98
Invoice No. I-9828919
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9828919

SAMPLE DESCRIPTION	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
ABSX7	201	202	0.01	22	420	58	2	4	24	< 0.01	< 10	< 10	22	< 10	296
ABSX8	201	202	0.01	22	430	62	< 2	4	24	< 0.01	< 10	< 10	22	< 10	282
DBS7	201	202	0.01	23	430	54	< 2	4	23	< 0.01	< 10	< 10	22	< 10	282
BBS8	201	202	0.01	23	430	54	< 2	4	25	< 0.01	< 10	< 10	22	< 10	292

CERTIFICATION:________________________

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: MANSON CREEK RESOURCES LTD. *

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

INVOICE NUMBER I 9 8 2 8 9 2 0

BILLING INFORMATION

Date: 31-AUG-98
Project: MCK YUKI
P.O. No.:
Account: QJD

Comments:

Billing: For analysis performed on Certificate A9828920

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

COPY

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
44	201 - Dry, sieve to -80 mesh	1.25		
	202 - save reject	0.85		
	EX-1 Package	16.75	18.85	829.40
	30g Au FA			

Total Cost $ 829.40
(Reg# R100938885) GST $ 58.06

TOTAL PAYABLE (CDN) $ 887.46

EX-1 = ICP and Au (FA, 30g)

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN: JENNIFER EATON CC: STEVE AMOR

Certificate Date: 30-AUG-1998
Invoice No. : I9828920
P.O. Number :
Account :QJD

CERTIFICATE OF ANALYSIS A9828920

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
ABS0140	201	202	< 5	< 0.2	1.25	24	460	0.5	< 2	2.24	< 0.5	15	21	39	3.68	< 10	< 1	0.07	< 10	1.61	580
ABS0141	201	202	< 5	2.4	0.26	22	190	< 0.5	< 2	0.04	< 0.5	< 1	11	11	7.92	< 10	1	0.05	< 10	0.04	75
ABS0142	201	202	< 5	0.8	0.38	528	310	< 0.5	< 2	0.29	< 0.5	4	109	7	>15.00	< 10	< 1	0.01	< 10	0.04	50
ABS0143	201	202	< 5	0.6	0.82	418	40	< 0.5	< 2	< 0.01	< 0.5	3	113	18	>15.00	< 10	3	0.02	< 10	0.03	40
ABS0144	201	202	< 5	0.2	1.84	134	350	1.5	< 2	0.10	4.0	20	45	56	11.30	< 10	< 1	0.06	< 10	0.22	525
ABS0145	201	202	< 5	0.2	1.05	102	590	0.5	< 2	0.15	0.5	25	29	48	6.26	< 10	< 1	0.09	< 10	0.41	1210
ABS0146	201	202	< 5	0.6	1.39	56	340	0.5	< 2	0.27	2.5	25	26	50	5.86	< 10	1	0.11	10	0.28	935
ABS0147	201	202	< 5	0.4	1.66	22	360	0.5	< 2	0.79	< 0.5	13	28	42	3.35	< 10	< 1	0.16	10	0.47	1080
ABS0148	201	202	< 5	< 0.2	1.20	8	250	1.0	< 2	0.14	< 0.5	46	37	101	5.94	< 10	< 1	0.10	< 10	0.40	3260
ABS0149	201	202	< 5	< 0.2	0.78	10	90	0.5	< 2	0.27	< 0.5	19	13	42	4.21	< 10	1	0.11	10	0.28	680
ABS0150	201	202	< 5	< 0.2	1.37	< 2	100	0.5	< 2	0.22	< 0.5	19	23	43	4.69	< 10	< 1	0.08	10	0.50	725
ABS0151	201	202	< 5	0.2	1.25	142	900	0.5	< 2	0.27	13.0	36	38	45	11.45	< 10	3	0.07	< 10	0.20	795
ABS0152	201	202	< 5	< 0.2	0.79	26	120	0.5	< 2	0.54	< 0.5	17	13	33	3.76	< 10	< 1	0.10	10	0.36	685

NAD

* page 2A-2B not included in assess. rpt.

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN: JENNIFER EATON CC: STEVE AMOR

Certificate Date: 30-AUG-1998
Invoice No. : I9828920
P.O. Number :
Account : QJD

CERTIFICATE OF ANALYSIS A9828920

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
ABS0140	201	202	1	< 0.01	36	540	14	< 2	4	49	< 0.01	< 10	< 10	28	< 10	118
ABS0141	201	202	5	< 0.01	6	750	12	2	< 1	33	< 0.01	< 10	< 10	250	< 10	42
ABS0142	201	202	5	< 0.01	6	6470	10	< 2	< 1	31	< 0.01	< 10	< 10	1610	< 10	64
ABS0143	201	202	3	< 0.01	6	5000	10	< 2	< 1	8	< 0.01	< 10	< 10	965	< 10	80
ABS0144	201	202	6	< 0.01	64	1350	10	4	3	32	< 0.01	< 10	< 10	256	< 10	580
ABS0145	201	202	6	< 0.01	74	590	18	< 2	5	36	< 0.01	< 10	< 10	68	< 10	358
ABS0146	201	202	10	< 0.01	88	910	20	2	3	31	< 0.01	< 10	< 10	52	< 10	558
ABS0147	201	202	2	< 0.01	26	1200	18	2	3	47	0.01	< 10	< 10	41	< 10	148
ABS0148	201	202	3	< 0.01	67	610	22	< 2	7	29	< 0.01	< 10	< 10	52	< 10	180
ABS0149	201	202	< 1	< 0.01	35	440	26	< 2	3	25	< 0.01	< 10	< 10	14	< 10	88
ABS0150	201	202	< 1	< 0.01	34	350	20	2	4	24	< 0.01	< 10	< 10	21	< 10	110
ABS0151	201	202	6	< 0.01	113	1200	10	< 2	3	52	< 0.01	< 10	< 10	257	< 10	1185
ABS0152	201	202	< 1	< 0.01	29	350	22	< 2	3	30	< 0.01	< 10	< 10	13	< 10	100

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: MANSON CREEK RESOURCES LTD. *

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

INVOICE NUMBER I9828921

BILLING INFORMATION

Date: 31-AUG-98
Project: MCK YUKI
P.O. No.:
Account: QJD

Comments:

Billing: For analysis performed on Certificate A9828921

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

COPY

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
43	201 - Dry, sieve to -80 mesh	1.25		
	202 - save reject	0.85		
	EX-1 Package	16.75	18.85	810.55
2	201 - Dry, sieve to -80 mesh	1.25		
	202 - save reject	0.85		
	ICP-32	7.00	9.10	18.20

Total Cost $	828.75
Client Discount (18%) $	-149.18
Net Cost $	679.57
(Reg# R100938885) GST $	47.57
TOTAL PAYABLE (CDN) $	**727.14**

EX1 = ICP and Au (30g) FA

8

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN: JENNIFER EATON CC: STEVE AMOR

Certificate Date: 31-AUG-199
Invoice No. : I9828921
P.O. Number :
Account : QJD

CERTIFICATE OF ANALYSIS A9828921

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
ABS0211	201	202	10	0.2	1.59	36	120	0.5	< 2	0.38	1.5	21	29	48	4.43	< 10	< 1	0.13	20	0.72	1475
ABS0212	201	202	< 5	1.2	1.14	44	90	0.5	< 2	1.10	1.5	19	20	52	3.93	< 10	< 1	0.10	10	1.03	1395
ABS0213	201	202	< 5	1.6	1.08	100	120	0.5	< 2	0.45	2.0	20	17	59	4.71	< 10	< 1	0.17	20	0.58	1855
ABS0214	201	202	< 5	1.8	1.09	64	80	< 0.5	< 2	1.04	2.5	12	18	65	3.41	< 10	< 1	0.09	10	0.54	890
ABS0215	201	202	< 5	1.4	0.95	64	80	< 0.5	< 2	0.73	2.0	16	16	50	3.81	< 10	< 1	0.10	10	0.61	1220
ABS0216	201	202	< 5	0.8	1.07	32	70	< 0.5	< 2	0.79	1.0	13	16	34	2.76	< 10	< 1	0.12	10	1.09	1075
ABS0217	201	202	< 5	1.6	1.02	34	70	< 0.5	< 2	1.33	1.5	12	15	38	2.78	< 10	< 1	0.10	10	1.27	1065
ABS0218	201	202	< 5	0.6	1.16	28	70	< 0.5	< 2	0.85	1.0	14	23	44	3.06	< 10	< 1	0.08	10	1.12	895
ABS0219	201	202	< 5	0.8	1.20	28	80	< 0.5	< 2	1.24	1.5	14	21	47	3.27	< 10	< 1	0.11	10	1.21	985
ABS0220	201	202	< 5	0.4	1.09	30	90	< 0.5	< 2	1.33	1.5	14	19	42	3.28	< 10	< 1	0.11	20	1.35	1385
ABS0221	201	202	< 5	0.6	1.97	8	110	0.5	< 2	1.23	3.0	14	46	59	3.30	< 10	< 1	0.11	10	1.45	900
ABS0222	201	202	< 5	0.4	1.74	22	100	0.5	< 2	1.13	4.0	14	36	75	2.98	< 10	< 1	0.10	10	1.25	700
ABS0223	201	202	< 5	0.6	1.68	42	90	0.5	< 2	2.88	4.0	18	21	97	3.42	< 10	< 1	0.15	10	2.32	1235
ABS0224	201	202	not/ss	24.6	1.66	34	90	0.5	< 2	2.10	4.0	17	29	327	3.50	< 10	< 1	0.10	10	1.93	1010
ABS0225	201	202	< 5	1.6	1.50	46	60	0.5	< 2	4.51	6.0	28	34	150	5.37	< 10	< 1	0.06	10	3.65	2730
ABS0226	201	202	10	1.0	1.37	36	60	< 0.5	< 2	0.95	3.0	20	24	128	4.12	< 10	< 1	0.07	10	1.34	1000
ABS0227	201	202	< 5	1.2	1.32	36	80	< 0.5	< 2	1.20	3.0	20	24	123	4.04	< 10	< 1	0.08	10	1.44	1145
ABS0228	201	202	< 5	1.4	1.31	40	120	< 0.5	< 2	1.25	2.5	20	24	112	4.16	< 10	< 1	0.08	10	1.55	1180

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CERTIFICATION: Hart Bichler

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN: JENNIFER EATON CC: STEVE AMOR

Certificate Date: 31-AUG-1998
Invoice No. : 19828921
P.O. Number :
Account : QJD

CERTIFICATE OF ANALYSIS A9828921

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
ABS0211	201	202	4	< 0.01	40	1030	120	< 2	6	13	0.02	< 10	< 10	48	< 10	438
ABS0212	201	202	4	< 0.01	38	680	164	8	5	12	0.01	< 10	< 10	33	< 10	472
ABS0213	201	202	12	< 0.01	52	810	236	6	5	14	0.01	< 10	< 10	34	< 10	576
ABS0214	201	202	8	< 0.01	57	1270	140	2	4	16	< 0.01	< 10	< 10	29	< 10	1195
ABS0215	201	202	6	< 0.01	43	750	146	2	4	12	0.01	< 10	< 10	25	< 10	682
ABS0216	201	202	4	< 0.01	29	510	78	< 2	3	9	0.01	< 10	< 10	18	< 10	452
ABS0217	201	202	3	< 0.01	27	500	86	< 2	3	10	0.01	< 10	< 10	18	< 10	446
ABS0218	201	202	4	< 0.01	35	510	72	< 2	4	9	0.03	< 10	< 10	34	< 10	412
ABS0219	201	202	4	< 0.01	33	620	90	< 2	4	11	0.02	< 10	< 10	30	< 10	464
ABS0220	201	202	4	< 0.01	33	500	80	< 2	3	9	0.01	< 10	< 10	29	< 10	380
ABS0221	201	202	4	< 0.01	33	820	84	< 2	7	21	0.03	< 10	< 10	53	< 10	522
ABS0222	201	202	2	< 0.01	32	590	92	< 2	6	20	0.04	< 10	< 10	48	< 10	1150
ABS0223	201	202	3	< 0.01	29	490	112	< 2	6	23	0.04	< 10	< 10	55	< 10	740
ABS0224	201	202	3	< 0.01	32	500	206	10	6	22	0.04	< 10	< 10	54	< 10	888
ABS0225	201	202	6	0.01	59	590	300	2	10	13	0.01	< 10	< 10	74	< 10	1100
ABS0226	201	202	7	< 0.01	50	760	138	< 2	8	13	0.05	< 10	< 10	69	< 10	638
ABS0227	201	202	7	< 0.01	50	760	164	2	8	13	0.04	< 10	< 10	64	< 10	658
ABS0228	201	202	7	< 0.01	50	710	190	2	7	11	0.04	< 10	< 10	63	< 10	672

CERTIFICATION: HartFichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN: JENNIFER EATON CC: STEVE AMOR

Certificate Date: 31-AUG-1998
Invoice No. : I9828921
P.O. Number :
Account :QJD

CERTIFICATE OF ANALYSIS A9828921

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
ABS0229	201	202	< 5	1.8	1.30	36	100	0.5	< 2	1.27	2.5	19	24	101	4.04	< 10	< 1	0.10	10	1.41	1195
ABS0230	201	202	< 5	1.4	1.23	36	110	< 0.5	< 2	1.39	2.5	18	22	87	3.80	< 10	< 1	0.10	10	1.48	1250
ABS0231	201	202	< 5	2.2	1.23	26	90	0.5	< 2	1.83	2.5	14	21	79	3.27	< 10	< 1	0.10	10	1.07	1065
ABS0232	201	202	< 5	0.4	1.28	24	150	0.5	< 2	3.69	0.5	20	14	40	3.62	< 10	< 1	0.12	10	2.71	2910
ABS0233	201	202	< 5	0.2	0.92	8	110	0.5	< 2	7.34	0.5	8	14	19	1.96	< 10	< 1	0.12	10	4.03	395

Rudy

CERTIFICATION: HawkFiddler

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN: JENNIFER EATON CC: STEVE AMOR

Certificate Date: 31-AUG-1998
Invoice No. : I9828921
P.O. Number :
Account :QJD

CERTIFICATE OF ANALYSIS A9828921

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
ABS0229	201	202	7	< 0.01	46	760	196	2	7	13	0.03	< 10	< 10	55	< 10	628
ABS0230	201	202	6	< 0.01	42	680	170	< 2	6	12	0.03	< 10	< 10	48	< 10	560
ABS0231	201	202	4	< 0.01	35	850	160	2	5	23	0.01	< 10	< 10	42	< 10	560
ABS0232	201	202	2	< 0.01	24	450	54	< 2	4	28	< 0.01	< 10	< 10	22	< 10	278
ABS0233	201	202	1	0.01	17	570	18	< 2	4	94	< 0.01	< 10	< 10	20	< 10	116

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: MANSON CREEK RESOURCES LTD. *

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

INVOICE NUMBER I 9 8 2 9 6 2 0

BILLING INFORMATION

Date: 4-SEP-98
Project: MCK YUKI
P.O. No.:
Account: QJD

Comments:

Billing: For analysis performed on Certificate A9829620

Terms: Payment due on receipt of invoice 1.25% per month (15% per annum) charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
60	201 - Dry, sieve to -80 mesh	1.25		
	202 - save reject	0.85		
	ICP-32	7.00	9.10	546.00

Total Cost $	546.00
Client Discount (18%) $	-98.28
Net Cost $	447.72
(Reg# R100938885) GST $	31.34
TOTAL PAYABLE (CDN) $	**479.06**

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN: JENNIFER EATON CC: STEVE AMOR

Certificate Date: 04-SEP-1998
Invoice No. : 19829620
P.O. Number :
Account : QJD

CERTIFICATE OF ANALYSIS A9829620

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
ABS 0234	201	202	0.6	1.23	56	100	< 0.5	< 2	0.92	1.5	26	21	57	4.93	< 10	< 1	0.16	20	1.09	1820	3
ABS 0235	201	202	0.4	1.37	58	140	0.5	< 2	2.07	1.5	31	26	94	4.68	< 10	1	0.15	20	1.68	2090	4
ABS 0236	201	202	0.6	1.26	42	90	< 0.5	< 2	2.05	1.0	26	24	81	4.08	< 10	< 1	0.11	10	1.64	1790	4
ABS 0237	201	202	0.2	1.26	52	90	< 0.5	< 2	1.67	1.5	26	26	73	4.06	< 10	< 1	0.10	10	1.52	1755	5
ABS 0238	201	202	0.2	1.36	44	120	< 0.5	< 2	1.59	2.0	26	27	85	4.48	< 10	< 1	0.12	20	1.57	1920	4
ABS 0239	201	202	< 0.2	1.47	64	90	< 0.5	< 2	1.19	1.5	26	27	67	4.68	< 10	< 1	0.13	20	1.43	1925	5
ABS 0240	201	202	1.4	2.21	28	110	0.5	< 2	0.68	6.5	22	34	80	4.18	< 10	1	0.09	10	0.76	1720	3
ABS 0241	201	202	7.0	0.83	270	180	< 0.5	< 2	0.47	13.0	69	13	243	11.60	< 10	1	0.09	10	0.30	6570	37
ABS 0242	201	202	< 0.2	0.90	10	100	0.5	< 2	7.81	< 0.5	8	23	20	2.10	< 10	< 1	0.09	< 10	3.89	420	1
ABS 0243	201	202	4.6	1.29	196	130	< 0.5	< 2	0.74	9.0	66	32	260	10.40	< 10	< 1	0.10	10	0.63	4280	28
ABS 0244	201	202	4.2	1.41	112	100	< 0.5	< 2	1.03	6.5	45	47	219	8.05	< 10	< 1	0.10	10	0.86	3140	16
ABS 0245	201	202	1.6	1.56	80	90	< 0.5	2	1.20	8.0	36	43	172	6.55	< 10	1	0.09	10	1.25	2660	9
ABS 0246	201	202	0.6	1.47	30	60	< 0.5	< 2	1.13	3.0	21	31	76	4.09	< 10	< 1	0.10	10	1.16	1060	4
ABS 0247	201	202	0.8	1.53	36	100	0.5	< 2	1.34	2.5	28	25	86	4.79	< 10	< 1	0.12	10	1.15	2130	4
ABS 0248	201	202	1.4	1.87	20	110	0.5	2	0.42	2.0	17	28	73	4.14	< 10	< 1	0.10	10	0.65	1085	1
ABS 0249	201	202	0.8	1.51	22	100	0.5	< 2	0.90	2.5	[illegible]	22	62	3.92	< 10	< 1	0.09	10	0.83	1420	3
ABS 0250	201	202	0.6	1.42	18	100	0.5	< 2	1.04	1.5	15	21	62	3.62	< 10	< 1	0.08	10	0.74	1080	3
ABS 0251	201	202	0.6	1.47	8	90	0.5	< 2	0.86	1.0	17	22	50	3.81	< 10	< 1	0.08	10	0.85	925	3
ABS 0252	201	202	0.2	1.56	22	150	0.5	< 2	3.51	1.0	21	23	67	4.03	< 10	< 1	0.11	10	2.52	3830	3
ABS 0253	201	202	0.2	1.60	2	140	0.5	< 2	2.83	0.5	18	24	58	3.90	< 10	< 1	0.11	10	2.09	2390	4
ABS 0254	201	202	0.2	1.37	16	140	0.5	< 2	2.40	1.5	17	20	45	3.41	< 10	1	0.10	10	1.81	2280	2
ABS 0255	201	202	< 0.2	0.92	10	100	0.5	< 2	5.91	0.5	11	19	27	2.46	< 10	< 1	0.09	< 10	3.46	770	3
ABS 0256	201	202	0.2	1.30	10	150	0.5	< 2	2.97	1.5	16	20	38	3.58	< 10	< 1	0.09	10	1.99	2020	3
ABS 0257	201	202	0.2	1.30	6	120	0.5	< 2	3.95	1.0	17	21	39	3.59	< 10	< 1	0.09	10	2.69	2010	1
ABS 0258	201	202	< 0.2	1.12	6	100	0.5	< 2	4.32	0.5	13	20	33	2.97	< 10	< 1	0.08	10	2.84	1325	2
ABS 0259	201	202	< 0.2	1.19	8	120	0.5	< 2	3.92	0.5	14	20	37	3.05	< 10	< 1	0.09	10	2.63	1395	3
ABS 0260	201	202	0.2	1.26	8	120	0.5	< 2	4.66	1.5	15	21	45	3.26	< 10	1	0.10	10	3.04	1540	1
ABS 0261	201	202	< 0.2	1.16	6	90	0.5	< 2	4.52	0.5	12	20	32	2.97	< 10	< 1	0.09	10	3.06	950	3
ABS 0262	201	202	0.6	1.90	20	160	1.0	< 2	0.34	1.5	31	25	97	5.26	< 10	< 1	0.10	20	0.91	4380	2
ABS 0263	201	202	0.4	1.77	18	160	0.5	< 2	2.11	1.5	26	24	90	4.78	< 10	< 1	0.11	10	1.85	5460	5
ABS 0264	201	202	1.0	1.72	60	150	1.0	< 2	0.31	2.5	59	22	89	5.79	< 10	< 1	0.11	20	0.74	7900	3
ABS 0265	201	202	0.8	1.77	42	130	0.5	< 2	0.52	3.0	47	22	87	5.83	< 10	< 1	0.12	20	0.91	6650	1
ABS 0266	201	202	0.6	1.23	12	80	0.5	< 2	5.76	1.0	24	20	54	3.54	< 10	< 1	0.11	10	3.10	3040	2
ABS 0267	201	202	0.6	1.43	< 2	120	0.5	< 2	1.28	0.5	17	19	40	3.89	< 10	< 1	0.12	10	0.79	1670	2
ABS 0268	201	202	0.2	1.24	10	110	0.5	< 2	4.48	0.5	18	20	42	3.48	< 10	< 1	0.10	10	2.55	2290	1
ABS 0269	201	202	0.2	1.27	18	90	0.5	< 2	3.73	0.5	19	19	36	3.44	< 10	< 1	0.08	< 10	2.55	2270	2
ABS 0270	201	202	0.2	1.19	18	110	0.5	< 2	3.41	0.5	18	19	38	3.40	< 10	< 1	0.09	< 10	2.20	2190	3
ABS 0271	201	202	0.2	1.21	6	130	0.5	< 2	3.68	0.5	20	21	42	3.49	< 10	< 1	0.09	10	2.43	2530	3
ABS 0272	201	202	0.2	1.11	18	100	0.5	< 2	5.13	0.5	17	18	37	3.22	< 10	< 1	0.09	< 10	3.05	1865	< 1
ABS 0273	201	202	0.4	1.04	22	90	0.5	< 2	3.88	< 0.5	18	17	37	3.27	< 10	1	0.11	< 10	2.27	1355	4

Rocky

CERTIFICATION: [signature]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN: JENNIFER EATON CC: STEVE AMOR

Certificate Date: 04-SEP-1998
Invoice No. : I9829620
P.O. Number :
Account :QJD

CERTIFICATE OF ANALYSIS A9829620

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
ABS 0234	201	202	< 0.01	43	630	104	< 2	5	13	< 0.01	< 10	< 10	26	< 10	578
ABS 0235	201	202	< 0.01	50	580	102	2	5	20	< 0.01	< 10	< 10	28	< 10	394
ABS 0236	201	202	< 0.01	41	550	90	4	5	19	0.01	< 10	< 10	29	< 10	342
ABS 0237	201	202	< 0.01	41	520	100	6	5	16	0.01	< 10	< 10	28	< 10	394
ABS 0238	201	202	< 0.01	44	500	188	2	4	13	< 0.01	< 10	< 10	27	< 10	418
ABS 0239	201	202	< 0.01	49	510	102	< 2	4	12	< 0.01	< 10	< 10	28	< 10	452
ABS 0240	201	202	< 0.01	35	1300	100	< 2	5	16	0.01	< 10	< 10	58	< 10	1545
ABS 0241	201	202	< 0.01	370	1810	334	16	6	12	< 0.01	< 10	< 10	37	< 10	2360
ABS 0242	201	202	< 0.01	18	550	20	< 2	3	96	< 0.01	< 10	< 10	17	< 10	130
ABS 0243	201	202	< 0.01	298	1430	228	12	8	15	< 0.01	< 10	< 10	52	< 10	2110
ABS 0244	201	202	< 0.01	175	1240	216	8	10	15	< 0.01	< 10	< 10	52	< 10	1560
ABS 0245	201	202	< 0.01	111	840	174	< 2	8	13	0.01	< 10	< 10	55	< 10	1635
ABS 0246	201	202	< 0.01	44	560	100	< 2	5	14	0.01	< 10	< 10	36	< 10	714
ABS 0247	201	202	< 0.01	45	510	92	< 2	5	18	< 0.01	< 10	< 10	29	< 10	514
ABS 0248	201	202	0.01	31	790	56	2	6	14	0.01	< 10	< 10	31	< 10	1440
ABS 0249	201	202	< 0.01	26	690	54	< 2	4	15	< 0.01	< 10	< 10	24	< 10	720
ABS 0250	201	202	< 0.01	24	790	38	< 2	4	18	< 0.01	< 10	< 10	22	< 10	490
ABS 0251	201	202	< 0.01	25	600	36	2	4	14	< 0.01	< 10	< 10	22	< 10	404
ABS 0252	201	202	< 0.01	27	510	78	2	5	32	< 0.01	< 10	< 10	22	< 10	328
ABS 0253	201	202	< 0.01	26	600	54	< 2	5	25	< 0.01	< 10	< 10	23	< 10	336
ABS 0254	201	202	< 0.01	22	560	54	< 2	4	21	0.01	< 10	< 10	21	< 10	398
ABS 0255	201	202	< 0.01	17	460	32	< 2	3	42	< 0.01	< 10	< 10	17	< 10	144
ABS 0256	201	202	< 0.01	22	530	42	< 2	4	25	< 0.01	< 10	< 10	22	< 10	316
ABS 0257	201	202	< 0.01	23	460	40	< 2	4	25	< 0.01	< 10	< 10	22	< 10	288
ABS 0258	201	202	< 0.01	20	480	32	< 2	3	25	< 0.01	< 10	< 10	20	< 10	250
ABS 0259	201	202	< 0.01	19	470	38	< 2	4	25	< 0.01	< 10	< 10	20	< 10	252
ABS 0260	201	202	< 0.01	22	490	54	< 2	4	32	< 0.01	< 10	< 10	22	< 10	386
ABS 0261	201	202	< 0.01	20	490	34	< 2	4	22	< 0.01	< 10	< 10	21	< 10	238
ABS 0262	201	202	< 0.01	32	520	136	2	5	17	0.01	< 10	< 10	28	< 10	262
ABS 0263	201	202	< 0.01	30	560	152	< 2	6	32	0.01	< 10	< 10	26	< 10	454
ABS 0264	201	202	< 0.01	40	590	98	< 2	6	27	< 0.01	< 10	< 10	24	< 10	800
ABS 0265	201	202	< 0.01	41	520	100	2	5	32	< 0.01	< 10	< 10	22	< 10	964
ABS 0266	201	202	< 0.01	25	400	70	< 2	4	55	< 0.01	< 10	< 10	16	< 10	420
ABS 0267	201	202	< 0.01	20	730	48	< 2	6	37	< 0.01	< 10	< 10	23	< 10	328
ABS 0268	201	202	< 0.01	24	460	46	< 2	4	46	< 0.01	< 10	< 10	19	< 10	280
ABS 0269	201	202	< 0.01	22	440	48	< 2	3	26	< 0.01	< 10	< 10	19	< 10	264
ABS 0270	201	202	< 0.01	21	470	48	< 2	4	30	< 0.01	< 10	< 10	18	< 10	278
ABS 0271	201	202	< 0.01	23	450	58	< 2	4	28	< 0.01	< 10	< 10	19	< 10	276
ABS 0272	201	202	< 0.01	20	460	46	< 2	3	39	< 0.01	< 10	< 10	18	< 10	264
ABS 0273	201	202	< 0.01	21	420	42	2	4	35	< 0.01	< 10	< 10	16	< 10	218

CERTIFICATION: [signature]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN: JENNIFER EATON CC: STEVE AMOR

Certificate Date: 04-SEP-1998
Invoice No. :19829620
P.O. Number :
Account :QJD

CERTIFICATE OF ANALYSIS A9829620

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
ABS 0274	201	202	2.6	0.87	20	240	1.0	< 2	3.18	1.5	24	11	50	3.54	< 10	< 1	0.12	< 10	1.87	1835	< 1
ABS 0275	201	202	0.4	0.90	10	190	0.5	< 2	2.89	0.5	19	14	29	3.61	< 10	< 1	0.11	< 10	1.72	2290	< 1
ABS 0276	201	202	0.8	1.63	28	90	1.0	< 2	0.52	2.5	21	26	54	4.17	< 10	1	0.11	10	0.65	2710	1
Rusty ABS 0277	201	202	0.6	1.67	30	100	1.5	< 2	0.57	0.5	34	21	58	5.28	< 10	1	0.10	10	0.75	3260	1
ABS 0278	201	202	0.8	1.42	26	70	1.0	< 2	1.14	1.0	24	19	54	4.14	< 10	< 1	0.11	10	0.86	2370	< 1
ABS 0279	201	202	0.4	0.94	14	100	0.5	< 2	3.22	< 0.5	15	14	100	3.49	< 10	< 1	0.08	< 10	2.00	1905	1
ABS 0280	201	202	0.2	0.74	8	160	0.5	< 2	4.65	< 0.5	14	10	104	3.02	< 10	< 1	0.08	< 10	2.55	830	< 1
ABS 0281	201	202	0.8	2.80	68	80	0.5	< 2	0.43	7.5	48	47	324	6.77	< 10	< 1	0.08	10	1.92	1920	6
ABS 0282	201	202	< 0.2	0.81	8	90	< 0.5	< 2	7.14	< 0.5	8	15	18	2.01	< 10	< 1	0.07	< 10	3.73	390	< 1
ABS 0283	201	202	1.0	2.82	90	60	0.5	< 2	0.51	9.0	50	53	584	7.87	< 10	< 1	0.07	10	2.00	1675	11

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN: JENNIFER EATON CC: STEVE AMOR

Certificate Date: 04-SEP-1998
Invoice No. : I9829620
P.O. Number :
Account :QJD

CERTIFICATE OF ANALYSIS A9829620

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
ABS 0274	201	202	< 0.01	23	430	278	6	4	30	< 0.01	< 10	< 10	15	< 10	650
ABS 0275	201	202	< 0.01	21	510	114	4	4	31	< 0.01	< 10	< 10	19	< 10	308
ABS 0276	201	202	< 0.01	30	940	68	2	7	22	0.01	< 10	< 10	30	< 10	878
ABS 0277	201	202	< 0.01	35	570	76	< 2	6	22	< 0.01	< 10	< 10	27	< 10	488
ABS 0278	201	202	< 0.01	28	720	84	< 2	6	29	< 0.01	< 10	< 10	23	< 10	438
ABS 0279	201	202	< 0.01	17	590	40	< 2	5	31	< 0.01	< 10	< 10	16	< 10	262
ABS 0280	201	202	< 0.01	16	540	36	2	4	42	< 0.01	< 10	< 10	13	< 10	294
ABS 0281	201	202	< 0.01	100	700	252	< 2	14	11	0.08	< 10	< 10	163	< 10	1710
ABS 0282	201	202	< 0.01	18	560	18	2	3	88	< 0.01	< 10	< 10	17	< 10	122
ABS 0283	201	202	< 0.01	139	810	216	2	11	9	0.09	< 10	< 10	174	< 10	2380

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: MANSON CREEK RESOURCES LTD. *

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

INVOICE NUMBER I 9 8 3 1 0 4 4

BILLING INFORMATION

Date: 21-SEP-98
Project:
P.O. No.:
Account: QJD

Comments:

Billing: For analysis performed on Certificate A9831044

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
34	201 - Dry, sieve to -80 mesh	1.25		
	202 - save reject	0.85		
	ICP-32	7.00	9.10	309.40

Total Cost $	309.40
Client Discount (18%) $	-55.69
Net Cost $	253.71
(Reg# R100938885) GST $	17.76
TOTAL PAYABLE (CDN) $	**271.47**

To:	MANSON CREEK RESOURCES LTD.
	1000 - 800 5TH AVE. S.W.
	CALGARY, AB
	T2P 3T6
Project :	
Comments:	ATTN:RUCE EVANS / JENNIFER EATON

Certificate Date: 21-SEP-199
Invoice No. : I9831044
P.O. Number :
Account : QJD

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

CERTIFICATE OF ANALYSIS A9831044

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
ABS0025	201	202	0.4	1.07	36	360	0.5	< 2	0.51	2.5	21	23	32	4.00	< 10	< 1	0.07	< 10	0.30	895	4
BES1001	201	202	< 0.2	1.18	28	180	0.5	< 2	1.69	0.5	25	70	59	4.58	< 10	< 1	0.08	< 10	2.20	910	< 1
BES1002	201	202	< 0.2	0.95	20	160	0.5	< 2	1.26	< 0.5	20	12	44	3.27	< 10	< 1	0.15	< 10	0.40	1320	1
BES1003	201	202	< 0.2	0.68	24	90	< 0.5	< 2	4.16	< 0.5	14	10	31	3.38	< 10	< 1	0.10	10	0.73	600	< 1
BES1004	201	202	< 0.2	0.89	4	50	0.5	< 2	2.54	< 0.5	17	13	39	3.76	< 10	< 1	0.11	< 10	1.14	610	< 1
BES1005	201	202	< 0.2	0.89	16	490	< 0.5	< 2	3.47	0.5	13	17	36	3.39	< 10	1	0.08	< 10	1.36	555	1
BES1006	201	202	0.2	0.75	62	1150	< 0.5	< 2	2.80	6.0	16	22	39	3.50	< 10	1	0.07	< 10	1.45	1210	8
BES1007	201	202	0.4	0.85	68	1600	0.5	< 2	1.42	5.0	14	28	44	3.38	< 10	3	0.08	10	0.60	1260	9
BES1008	201	202	0.6	1.02	50	90	0.5	< 2	0.82	1.5	24	17	53	4.99	< 10	< 1	0.13	20	1.05	1845	3
BES1009	201	202	0.2	1.16	8	130	0.5	< 2	4.36	< 0.5	14	14	39	3.23	< 10	1	0.09	10	2.76	1665	< 1
BES1010	201	202	1.2	2.05	56	100	0.5	< 2	1.07	9.5	44	61	241	6.78	< 10	< 1	0.07	20	1.88	2300	3
BES1011	201	202	0.2	0.87	24	180	0.5	< 2	5.59	1.5	8	14	20	2.59	< 10	< 1	0.08	< 10	2.51	685	< 1
BES1012	201	202	< 0.2	1.50	26	140	0.5	< 2	2.21	1.5	19	18	59	4.52	< 10	< 1	0.14	30	1.87	3140	< 1
BES1013	201	202	< 0.2	1.43	18	70	0.5	< 2	1.38	< 0.5	17	19	34	4.04	< 10	< 1	0.15	20	1.74	1725	< 1
MSS4021	201	202	0.6	1.04	24	420	< 0.5	< 2	1.34	1.5	6	42	41	3.65	< 10	< 1	0.10	< 10	0.94	165	3
MSS4041	201	202	1.2	0.15	288	80	< 0.5	2	13.15	3.0	5	5	15	1.63	< 10	3	0.03	< 10	7.71	760	< 1
PLS2020	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
PLS2021	201	202	1.6	0.94	14	640	0.5	< 2	1.26	11.5	49	18	151	11.10	< 10	< 1	0.11	10	0.27	545	9
PLS2100	201	202	< 0.2	2.21	22	190	1.0	< 2	0.17	1.0	39	24	94	5.63	< 10	< 1	0.16	30	1.04	4200	1
PLS2101	201	202	0.2	2.13	22	240	0.5	< 2	0.63	1.0	35	26	124	5.67	< 10	1	0.15	30	1.33	3490	< 1
PLS2102	201	202	0.2	1.08	18	170	< 0.5	< 2	4.49	0.5	17	16	48	2.91	< 10	1	0.09	10	2.88	1595	1
PLS2103	201	202	< 0.2	1.58	6	180	0.5	< 2	3.48	0.5	20	20	50	4.23	< 10	1	0.11	10	2.82	1785	1
PLS2104	201	202	0.2	1.46	22	200	0.5	< 2	1.60	1.0	17	21	62	3.65	< 10	< 1	0.10	10	1.47	1695	1
PLS2105	201	202	0.2	0.96	4	180	0.5	< 2	2.61	1.0	8	12	21	2.83	< 10	< 1	0.07	< 10	1.28	610	1
PLS2106	201	202	0.2	0.58	10	70	0.5	2	6.65	1.5	7	9	17	2.56	< 10	< 1	0.06	< 10	3.97	580	< 1
PLS2107	201	202	0.2	0.71	6	120	0.5	< 2	5.60	< 0.5	8	11	15	2.61	< 10	< 1	0.07	< 10	3.36	875	< 1
PLS2108	201	202	< 0.2	0.73	2	130	0.5	< 2	6.00	0.5	7	12	17	2.49	< 10	< 1	0.07	< 10	3.24	685	< 1
PLS2109	201	202	0.2	0.80	16	180	< 0.5	< 2	4.07	0.5	7	13	16	2.34	< 10	3	0.07	< 10	2.23	645	< 1
PLS2110	201	202	0.2	0.78	2	180	< 0.5	< 2	5.53	0.5	7	13	16	2.27	< 10	< 1	0.07	< 10	2.70	595	< 1
PLS2111	201	202	0.8	0.75	12	170	< 0.5	< 2	5.66	1.0	7	12	17	2.34	< 10	< 1	0.07	< 10	2.52	610	< 1
PLS2112	201	202	0.6	0.77	10	60	0.5	< 2	6.05	0.5	19	10	38	3.55	< 10	1	0.12	10	3.98	2220	< 1
PLS2113	201	202	0.6	0.86	20	70	0.5	< 2	5.60	2.0	18	11	40	3.12	< 10	< 1	0.15	10	3.93	1975	< 1
PLS2114	201	202	2.2	0.90	24	70	0.5	< 2	5.21	0.5	22	12	38	3.76	< 10	< 1	0.16	10	3.56	2690	< 1
PLS2115	201	202	1.0	0.89	16	70	0.5	< 2	6.12	0.5	17	12	33	3.01	< 10	< 1	0.18	10	3.95	2040	< 1
PLS2116	201	202	0.8	0.74	14	60	< 0.5	< 2	6.51	0.5	15	10	29	2.92	< 10	< 1	0.14	10	4.33	1925	< 1

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project :
Comments: ATTN:RUCE EVANS / JENNIFER EATON

Certificate Date: 21-SEP-199
Invoice No. : I9831044
P.O. Number :
Account : QJD

CERTIFICATE OF ANALYSIS A9831044

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
ABS0025	201	202	< 0.01	56	940	46	< 2	3	36	< 0.01	< 10	< 10	44	< 10	208
BES1001	201	202	< 0.01	148	370	28	2	5	38	< 0.01	< 10	< 10	26	< 10	140
BES1002	201	202	< 0.01	28	780	44	< 2	4	102	< 0.01	< 10	< 10	10	< 10	106
BES1003	201	202	< 0.01	27	400	20	< 2	3	171	< 0.01	< 10	< 10	9	< 10	92
BES1004	201	202	< 0.01	32	410	20	< 2	5	71	< 0.01	< 10	< 10	12	< 10	84
BES1005	201	202	< 0.01	43	500	14	< 2	4	85	< 0.01	< 10	< 10	20	< 10	116
BES1006	201	202	< 0.01	85	970	74	2	3	90	< 0.01	< 10	< 10	91	< 10	1025
BES1007	201	202	< 0.01	103	2050	60	4	3	142	< 0.01	< 10	< 10	140	< 10	1130
BES1008	201	202	< 0.01	44	650	102	< 2	4	11	< 0.01	< 10	< 10	24	< 10	566
BES1009	201	202	< 0.01	21	530	40	< 2	4	28	< 0.01	< 10	< 10	22	< 10	248
BES1010	201	202	< 0.01	102	800	494	< 2	17	11	0.02	< 10	< 10	99	< 10	2200
BES1011	201	202	< 0.01	17	680	58	2	4	35	0.01	< 10	< 10	23	< 10	272
BES1012	201	202	< 0.01	29	480	164	< 2	5	25	< 0.01	< 10	< 10	23	< 10	310
BES1013	201	202	< 0.01	25	660	46	< 2	6	9	0.05	< 10	< 10	32	< 10	268
MSS4021	201	202	< 0.01	39	670	14	< 2	2	37	< 0.01	< 10	< 10	27	< 10	236
MSS4041	201	202	< 0.01	15	690	320	6	1	86	< 0.01	< 10	< 10	9	< 10	1610
PLS2020	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
PLS2021	201	202	< 0.01	208	980	12	< 2	4	97	< 0.01	< 10	10	43	< 10	1365
PLS2100	201	202	< 0.01	42	370	108	2	4	16	< 0.01	< 10	< 10	24	< 10	282
PLS2101	201	202	< 0.01	41	440	144	< 2	6	13	< 0.01	< 10	< 10	37	< 10	300
PLS2102	201	202	< 0.01	27	580	80	< 2	4	23	0.03	< 10	< 10	35	< 10	176
PLS2103	201	202	< 0.01	29	420	76	< 2	4	14	< 0.01	< 10	< 10	36	< 10	210
PLS2104	201	202	< 0.01	29	700	96	2	5	20	0.02	< 10	< 10	39	< 10	252
PLS2105	201	202	< 0.01	17	860	58	< 2	3	31	< 0.01	< 10	< 10	21	< 10	192
PLS2106	201	202	< 0.01	12	550	58	< 2	3	23	< 0.01	< 10	< 10	17	< 10	388
PLS2107	201	202	< 0.01	14	590	54	2	4	21	0.01	< 10	< 10	21	< 10	282
PLS2108	201	202	< 0.01	15	600	44	< 2	3	27	0.01	< 10	< 10	20	< 10	270
PLS2109	201	202	< 0.01	16	670	44	< 2	3	26	0.01	< 10	< 10	23	< 10	192
PLS2110	201	202	< 0.01	14	650	50	2	3	30	0.01	< 10	< 10	22	< 10	214
PLS2111	201	202	< 0.01	15	650	112	< 2	3	34	0.01	< 10	< 10	21	< 10	238
PLS2112	201	202	< 0.01	22	490	136	2	4	14	0.01	< 10	< 10	21	< 10	340
PLS2113	201	202	< 0.01	25	470	304	< 2	4	12	0.01	< 10	< 10	19	< 10	696
PLS2114	201	202	< 0.01	28	550	348	2	4	11	0.01	< 10	< 10	21	< 10	494
PLS2115	201	202	< 0.01	24	480	254	< 2	4	15	0.01	< 10	< 10	19	< 10	472
PLS2116	201	202	< 0.01	21	430	206	< 2	3	13	0.01	< 10	< 10	18	< 10	386

CERTIFICATION: [signature]

APPENDIX VI

Stream Sediment Data Sheets

Stream Sediment Data Sheets - ABS Sample Series

NUMBER	EASTING	NORTH	BW	WW	WD	FR	LR	O	SC	PPT	BL1	BL2	BRL	SULF	ALTN
ABS0004	593200	7118650	3	2	2	4	4	1	1	0	DLMT	QTZT	0	0	0
ABS0005	593450	7119050	3	2	2	3	0	3	0	0	0	0	0	0	0
ABS0006	593450	7119400	5	4	3	4	1	1	1	0	SS	QTZT	0	0	0
ABS0007	593500	7119900	2	2	4	2	0	1	1	0	0	0	0	0	0
ABS0008	593900	7120100	4	4	3	2	1	3	1	0	0	0	0	0	0
ABS0009	590950	7118900	3	4	4	3	4	0	1	0	LMST	SHL	SHL	0	0
ABS0010	590750	7119600	4	4	3	3	3	1	2	0	LMST	0	LMST	0	0
ABS0011	590800	7120100	3	4	3	3	2	1	2	0	LMST	0	LMST	0	0
ABS0012	590900	7120650	4	4	3	3	1	1	1	0	LMST	0	LMST	0	0
ABS0013	591000	7121050	3	3	3	3	1	2	1	0	LMST	0	LMST	0	0
ABS0014	591100	7121550	4	0	0	0	0	0	1	0	LMST	DLMT	0	0	0
ABS0015	584951	7117275	2	2	2	3	3	1	1	0	SHL	LMST	0	0	0
ABS0016	584201	7117500	1	2	3	3	2	0	7	0	SHL	LMST	LMST	0	0
ABS0017	580450	7117705	2	2	2	3	4	0	0	0	LMST	CONG	LMST	1	0
ABS0018	580528	7118262	3	2	1	3	3	1	1	0	LMST	0	0	0	0
ABS0019	580397	7118189	2	2	3	4	3	0	7	0	LMST	SHL	0	0	0
ABS0020	580189	7119135	3	4	2	3	1	1	1	0	LMST	0	0	0	0
ABS0021	579993	7119599	4	4	3	4	1	1	7	0	LMST	0	0	0	0
ABS0022	584744	7117791	1	1	2	3	3	0	7	0	LMST	0	LMST	0	0
ABS0023															
ABS0024	584394	7118149	1	1	2	2	1	1	1	0	LMST	0	0	0	0
ABS0025	584394	7118149	1	1	2	2	1	1	1	0	LMST	0	0	0	0
ABS0026	583918	7118460	2	2	2	3	1	1	2	0	LMST	0	0	0	0
ABS0027	584755	7117787	2	2	2	3	1	1	2	0	LMST	0	0	0	0
ABS0028	583376	7118053	3	2	2	3	1	0	2	0	LMST	0	0	0	0
ABS0029	583134	7118795	3	3	4	4	1	1	1	0	LMST	0	0	0	0
ABS0030	582678	7119170	3	3	4	4	1	0	2	0	LMST	0	0	0	0
ABS0031	582124	7119285	4	4	3	4	2	0	1	0	LMST	0	0	0	0
ABS0032	581596	7115189	2	1	1	3	2	0	7	3	SHL	QTZ	LMST	0	0
ABS0033	581505	7115534	2	2	2	3	1	0	7	0	SHL	CONG	0	0	0
ABS0034	581454	7115724	1	1	1	3	3	0	7	0	DLMT	0	0	0	0
ABS0035	581528	7115609	1	0	0	0	1	1	7	0	SHL	0	0	0	0
ABS0036	577968	7113640	2	2	2	2	3	0	7	0	SHL	LMST	LMST	0	0
ABS0037	577925	7114077	3	3	2	4	3	0	7	0	LMST	SHL	LMST	1	0
ABS0038	577849	7114518	4	4	2	4	3	0	2	0	LMST	SHL	0	0	0
ABS0039	577918	7114973	3	4	3	4	3	0	2	0	LMST	0	0	0	0
ABS0040	578153	7115519	3	3	3	3	3	0	2	0	LMST	0	0	0	0
ABS0041	574999	7116499	2	1	1	3	5	0	2	3	SHL	LMST	SHL	1	0
ABS0042															
ABS0043	584446	7115906	1	1	1	2	4	0	7	0	LMST	0	LMST	0	0
ABS0044	584247	7115881	1	2	1	3	3	0	7	0	LMST	SHL	0	0	0
ABS0045	584736	7115822	1	1	2	3	3	0	2	0	LMST	SHL	0	0	0
ABS0046															
ABS0047	584693	7115834	3	4	3	4	2	0	2	0	LMST	0	0	0	0
ABS0048	584762	7115565	1	1	1	3	3	1	7	0	LMST	0	0	0	0
ABS0049	584510	7114636	3	4	3	4	2	0	7	0	LMST	0	0	0	0
ABS0050	584734	7114274	3	4	3	4	1	0	7	0	LMST	0	0	0	0
ABS0051	584589	7113783	4	4	3	4	1	0	2	0	LMST	0	0	0	0

Stream Sediment Data Sheets - ABS Sample Series

NUMBER	EASTING	NORTH	BW	WW	WD	FR	LR	O	SC	PPT	BL1	BL2	BRL	SULF	ALTN
ABS0052	584966	7113247	2	2	2	2	1	1	1	0	LMST	0	0	0	0
ABS0053	576459	7113271	2	3	1	4	3	0	2	0	LMST	0	0	0	0
ABS0054	576442	7113245	4	0	0	0	3	0	2	0	LMST	0	0	0	0
ABS0055	575931	7113176	2	2	2	3	2	0	2	0	QTZT	0	0	0	0
ABS0056	575495	7113251	3	3	2	2	3	0	2	0	LMST	0	0	0	0
ABS0057	575240	7113073	3	2	1	2	0	1	2	0	QTZT	0	0	0	0
ABS0058															
ABS0059	574890	7113510	2	0	0	0	3	0	7		LMST	0	0	0	0
ABS0060	586742	7117115	1	1	2	3	4	0	1	0	LMST	SHL	0	0	0
ABS0061	587637	7116877	3	0	0	0	4	0	1	0	LMST	0	0	0	0
ABS0062	587570	7117017	2	2	1	3	2	0	7	0	LMST	SHL	0	0	0
ABS0063	587545	7116867	3	0	0	0	3	0	7	0	LMST	0	0	0	0
ABS0064	587819	7116707	2	3	1	3	3	0	7	0	LMST	0	0	0	0
ABS0065	587910	7116712	4	0	0	0	4	0	7	0	LMST	0	0	0	0
ABS0066	587942	7116697	3	2	1	3	3	0	7	0	LMST	0	0	0	0
ABS0067	588102	7116564	3	3	2	4	2	1	1	0	LMST	0	0	0	0
ABS0068	588392	7116395	4	0	0	0	4	0	7	0	LMST	SRPT	0	0	0
ABS0069	588396	7116391	3	4	2	4	2	0	1	0	LMST	0	0	0	0
ABS0070	588470	7115877	3	4	3	4	2	0	7	0	LMST	0	0	0	0
ABS0071	588770	7115184	2	3	2	2	0	0	2	0	LMST	0	0	0	0
ABS0072	591726	7117472	1	1	2	4	3	0	7	0	LMST	SHL	0	0	0
ABS0073	591860	7116902	3	3	2	4	4	0	1	0	LMST	0	LMST	0	0
ABS0074	591807	7116409	1	2	3	4	4	0	7	0	LMST	0	LMST	0	0
ABS0075	591500	7115850	1	1	1	3	2	0	7	0	LMST	0	0	0	0
ABS0076															
ABS0077	586017	7109008	3	3	3	4	4	0	7	0	SHL	LMST	SHL	0	0
ABS0078	585955	7109610	4	5	3	3	4	0	3	3	SHL	LMST	S/L	1	0
ABS0079	585313	7109314	3	4	3	4	4	0	3	0	LMST	SHL	LMST	0	0
ABS0080	585037	7109822	4	5	3	4	4	0	7	3	LMST	SHL	LMST	1	0
ABS0081	584946	7110298	2	3	2	4	4	1	2	0	LMST	SHL	0	0	0
ABS0082	585066	7110915	4	5	2	4	3	0	7	0	LMST	SHL	0	0	0
ABS0083	585700	7111150	1	0	0	0	4	0	7	0	LMST	SHL	0	0	0
ABS0084	584557	7111770	4	5	2	4	3	0	7	0	LMST	SHL	LMST	0	0
ABS0085	584576	7111490	1	0	0	0	3	1	7	0	LMST	SHL	0	0	0
ABS0086	584705	7111604	4	4	2	4	3	0	7	0	LMST	SHL	0	0	0
ABS0087	583840	7111814	2	4	2	4	2	0	7	0	LMST	SHL	LMST	0	0
ABS0088	583833	7107527	4	5	3	3	3	0	7	0	LMST	0	0	0	0
ABS0089	583300	7107500	4	5	3	3	3	1	7	0	LMST	0	0	0	0
ABS0090	582952	7107983	4	5	4	4	3	0	3	0	LMST	CARB	0	0	0
ABS0091	592995	7113369	1	0	0	3	3	2	0	3	LMST	DLMT	1	0	0
ABS0092	592700	7113450	2	4	2	3	3	0	0	0	LMST	0	0	0	0
ABS0093															
ABS0094	592150	7114050	2	3	2	4	2	0	1	0	LMST	0	0	0	0
ABS0095	592100	7114400	3	4	2	4	2	0	7	0	LMST	0	0	0	0
ABS0096	592025	7114750	3	4	2	3	2	0	7	0	LMST	0	0	0	0
ABS0097	591900	7115200	3	4	2	3	2	1	7	0	SS	LMST	0	0	0
ABS0098	591750	7115500	3	4	2	2	2	2	7	0	LMST	SS	0	0	0
ABS0099															
ABS0100	589950	7108400	2	3	2	4	4	0	7	0	SS	SHL	0	0	0
ABS0101	589050	7107700	1	2	2	4	4	0	7	0	SS	SHL	0	0	0

Stream Sediment Data Sheets - ABS Sample Series

NUMBER	EASTING	NORTH	BW	WW	WD	FR	LR	O	SC	PPT	BL1	BL2	BRL	SULF	ALTN
ABS0102	589150	7108000	3	4	2	4	3	0	7	0	SS	SHL	0	0	0
ABS0103	589400	7108100	3	4	2	4	3	0	2	3	LMST	SS	0	1	0
ABS0104	588400	7109400	4	4	3	5	4	0	7	3	SHL	LMST	LMST	1	0
ABS0105	588400	7108700	4	5	2	3	4	0	7	0	LMST	0	LMST	0	0
ABS0106	587100	7109000	6	6	2	2	4	1	1	0	LMST	SHL	LMST	1	1
ABS0107	587550	7109550	4	4	3	4	4	1	2	0	LMST	DLMT	LMST	0	0
ABS0108	587900	7110250	4	5	3	4	3	0	7	0	SS	SHL	0	0	0
ABS0109	588350	7110050	3	4	3	5	3	0	7	3	LMST	QTZT	0	1	0
ABS0110	588350	7110350	4	5	4	5	4	0	7	0	DLMT	SHL	SHL	0	0
ABS0111	588250	7110700	3	4	4	4	3	0	2	3	SHL	DLMT	SHL	1	0
ABS0112															
ABS0113	588250	7111200	2	3	2	2	3	0	7	0	GRNT	SHL	0	0	0
ABS0114	588100	7111150	4	5	4	4	3	0	7	0	LMST	SHL	0	0	0
ABS0115	587800	7111700	4	5	4	5	3	0	2	0	LMST	DLMT	0	0	0
ABS0116	587450	7112050	4	5	4	4	3	0	7	0	SS	DLMT	0	0	0
ABS0117	587000	7112800	1	0	0	0	3	2	2	0	CARB	0	0	0	0
ABS0118	587750	7112600	5	5	4	4	3	0	7	0	CARB	LMST	0	0	0
ABS0119															
ABS0120															
ABS0121	590243	7109663	3	1	1	2	4	0	7	0	LMST	SS	0	0	0
ABS0122	590034	7109676	2	0	0	0	4	3	7	0	SS	LMST	0	0	0
ABS0123	590062	7109985	3	4	2	3	3	1	7	0	LMST	SS	CARB	0	0
ABS0124	589943	7109982	4	4	2	4	3	0	7	0	CARB	LMST	CARB	0	0
ABS0125	589898	7110593	4	4	3	4	3	0	7	0	LMST	SS	0	0	0
ABS0126	590366	7111059	4	0	0	0	4	0	7	0	SHL	DLMT	0	0	0
ABS0127	589969	7111134	4	0	0	0	3	0	7	0	CARB	SHL	0	0	0
ABS0128	589724	7111460	4	5	3	4	3	1	7	0	CARB	0	0	0	0
ABS0129	589432	7111888	4	5	3	4	3	0	7	0	CARB	SHL	0	0	0
ABS0130	589925	7112283	5	5	4	4	2	1	7	0	CARB	SS	0	0	0
ABS0131	589035	7112683	5	5	4	4	2	1	7	0	CARB	LMST	0	0	0
ABS0132	588835	7113097	4	5	4	4	2	0	2	0	CARB	SS	DLMT	0	0
ABS0133	588753	7114127	4	5	3	4	1	1	7	0	CARB	LMST	0	0	0
ABS0134	588734	7114057	3	4	3	4	1	0	7	0	CARB	SS	0	0	0
ABS0135				0	0	0	4	1	7	3	CARB	SHL	DLMT	1	0
ABS0136			3	3	2	3	4	0	2	3	CARB	SHL	DLMT	1	0
ABS0137			3	4	2	3	3	0	2	3	CARB	SHL	0	1	0
ABS0138			2	3	2	2	2	0	2	0	CARB	SHL	0	0	0
ABS0139			3	4	3	3	1	0	7	0	LMST	SHL	0	0	0
ABS0140			4	4	3	2	0	0	7	0	0	0	0	0	0
ABS0141			2	3	2	3	5	0	3	3	SHL	0	SHL	1	0
ABS0142			2	3	2	3	4	0	3	3	SHL	0	SHL	1	0
ABS0143			4	4	3	4	3	0	3	3	SHL	LMST	LMST	1	0
ABS0144			4	4	4	5	4	0	3	3	CARB	LMST	0	1	0
ABS0145			3	4	3	4	4	1	4	0	SHL	LMST	0	0	0
ABS0146			2	3	2	3	3	0	3	3	CARB	0	0	1	0
ABS0147			1	2	2	3	4	1	7	0	0	0	0	0	0
ABS0148			1	1	2	2	4	1	7	0	SHL	0	SHL	0	0
ABS0149	582930	7106517	3	1	1	3	4	1	7	0	SHL	DLMT	DLMT	0	0
ABS0150	583220	7106697	3	5	2	3	4	0	7	0	SHL	LMST	0	0	0
ABS0151	583242	7107394	4	5	4	4	3	0	3	3	CARB	LMST	0	1	0

Stream Sediment Data Sheets - ABS Sample Series

NUMBER	EASTING	NORTH	BW	WW	WD	FR	LR	O	SC	PPT	BL1	BL2	BRL	SULF	ALTN
ABS0152	582828	7107440	3	4	2	4	3	0	2	0	LMST	SHL	0	0	0
ABS0153	582587	7107371	3	4	3	4	4	0	7	0	LMST	SHL	LMST	0	0
ABS0154	582368	7106974	3	0	0	0	4	1	2	0	LMST	SS	0	0	0
ABS0155															
ABS0156															
ABS0157	552311	7116407	4	4	3	4	3	2	7	0	CARB	CONG	0	0	0
ABS0158	552047	7116673	4	4	3	4	3	0	7	0	CARB	SS	0	0	0
ABS0159	551853	7117132	4	4	3	4	3	1	7	0	CARB	CONG	0	0	0
ABS0160	551805	7117573	3	4	3	4	2	0	7	0	CARB	0	0	0	0
ABS0161	551654	7118019	3	4	3	4	2	1	7	0	CARB	SS	0	0	0
ABS0162	551587	7118572	4	5	3	4	2	1	7	0	CONG	CARB	0	0	0
ABS0163	551321	7118652	2	2	2	1	3	1	0	0	CARB	0	0	0	0
ABS0164	551378	7118880	4	5	3	3	1	0	7	3	LMST	CARB	LMST	1	0
ABS0165	551398	7119729	3	4	3	4	1	1	0	0	LMST	0	0	0	0
ABS0166	551750	7120250	2	3	2	3	1	1	7	0	LMST	0	0	0	0
ABS0167	550778	7116138	3	1	1	2	4	0	7	0	LMST	SS	0	0	0
ABS0168	550605	7116329	2	2	2	3	4	0	7	3	SS	CARB	0	0	0
ABS0169	550461	7116524	3	3	4	3	3	3	1	3	LMST	0	LMST	0	0
ABS0170	550290	7116993	3	4	4	4	2	0	7	3	LMST	CARB	0	0	0
ABS0171	550035	7117313	4	5	3	4	2	0	7	3	LMST	SS	0	0	0
ABS0172	549891	7117949	4	4	3	4	2	0	7	3	LMST	CARB	0	0	0
ABS0173	549711	7118432	3	4	3	3	2	0	7	3	LMST	SS	0	0	0
ABS0174	548845	7118885	4	5	3	4	1	2	7	3	LMST	CARB	0	0	0
ABS0175	548818	7119368	3	4	3	3	1	1	0	3	CARB	LMST	0	0	0
ABS0176	548453	7119847	3	4	4	2	1	2	7	3	LMST	0	0	0	0
ABS0177	548646	7120153	3	4	4	2	1	1	7	3	LMST	0	0	0	0
ABS0178	550042	7114342	1	2	1	3	4	1	7	0	CARB	SS	0	0	0
ABS0179	ANOMALOUS														
ABS0180	549600	7114620	3	4	2	3	3	0	7	0	CARB	SS	0	0	0
ABS0181	549279	7114838	3	4	2	3	3	0	7	0	CARB	0	0	0	0
ABS0182	549115	7115201	3	4	2	4	2	0	7	0	CARB	SS	0	0	0
ABS0183	549002	7115756	2	3	3	3	2	2	7	0	CARB	SHL	0	0	0
ABS0184	548854	7116002	1	2	2	3	2	0	1	0	LMST	PHYL	QTZT	0	0
ABS0185	548819	7116412	2	3	3	3	2	1	1	0	CARB	0	0	0	0
ABS0186	548740	7116709	3	4	3	3	2	0	7	3	SS	CARB	0	0	0
ABS0187	548679	7116805	1	2	2	2	2	2	0	0	SS	0	0	0	0
ABS0188	548606	7117285	1	2	1	3	2	1	0	0	0	0	0	0	0
ABS0189	BLANK														
ABS0190	548210	7117814	4	5	3	4	1	1	7	0	CARB	LMST	0	0	0
ABS0191	547943	7118150	4	5	3	4	1	2	7	0	CARB	SHL	0	0	0
ABS0192	547590	7118708	4	5	3	4	1	2	7	0	CARB	LMST	0	0	0
ABS0193	547771	7119071	2	3	5	4	1	1	2	0	CARB	LMST	0	0	0
ABS0194	548100	7119386	5	6	3	2	1	1	7	0	SHL	CARB	0	0	0
ABS0195	547470	7115829	1	2	1	2	3	1	7	0	SHL	SS	SHL	0	0
ABS0196	547486	7116329	3	4	2	3	3	0	7	0	SS	SHL	0	0	0
ABS0197	547216	7116741	3	4	2	4	2	0	7	0	SHL	SS	SHL	0	0
ABS0198	546660	7117129	2	3	4	3	1	0	7	0	SHL	SS	0	0	0
ABS0199	546408	7117100	4	5	3	4	1	0	7	0	SHL	SS	0	0	0
ABS0200	546558	7116685	3	4	3	3	3	1	7	0	SS	0	0	0	0
ABS0201	546741	7116278	2	3	2	3	4	0	7	0	CARB	SHL	0	0	0

Stream Sediment Data Sheets - ABS Sample Series

NUMBER	EASTING	NORTH	BW	WW	WD	FR	LR	O	SC	PPT	BL1	BL2	BRL	SULF	ALTN
ABS0202	546803	7115844	2	3	2	3	4	0	7	0	SHL	CARB	0	0	0
ABS0203	546950	7115350	2	3	2	3	4	0	7	0	LMST	SHL	SHL	0	0
ABS0204	ANOMALOUS														
ABS0205	546073	7115762	1	2	2	2	4	2	7	0	SHL	0	0	0	0
ABS0206	545964	7116350	2	2	2	3	3	0	7	0	SHL	LMST	0	0	0
ABS0207	545935	7116800	3	4	1	3	3	1	7	0	SS	LMST	0	0	0
ABS0208	545873	7117270	3	4	2	3	2	1	7	0	SS	0	0	0	0
ABS0209	543865	7125342	3	2	2	3	2	2	3	3	CALC	0	CALC	0	0
ABS0210	543900	7125442	1	1	1	2	2	0	3	3	CALC	0	CALC	0	0
ABS0211	561191	7132795	3	0	0	0	3	0	1	0	SS	0	0	0	0
ABS0212	561152	7133072	4	2	1	2	3	1	1	0	SS	CARB	0	0	0
ABS0213	560939	7133327	2	0	0	0	1	1	7	0	SS	0	0	0	0
ABS0214	561248	7133507	1	2	2	2	2	3	1	0	0	0	0	0	0
ABS0215	560598	7133359	2	3	2	3	3	0	7	0	SS	0	0	0	0
ABS0216	560094	7133265	3	4	3	3	2	0	7	0	SS	LMST	0	0	0
ABS0217	559500	7132150	3	4	3	3	2	0	2	0	SS	LMST	0	0	0
ABS0218	559155	7132935	3	4	3	3	1	0	2	3	SS	CONG	0	0	0
ABS0219	558729	7132671	3	4	3	4	1	2	7	0	SS	LMST	0	0	0
ABS0220	558049	7132772	3	4	3	4	1	0	2	0	SS	LMST	0	0	0
ABS0221	561015	7134773	1	2	2	2	2	2	1	0	0	0	0	0	0
ABS0222	561178	7135214	2	1	2	3	2	2	0	0	0	0	0	0	0
ABS0223	561411	7135633	1	2	1	2	1	1	7	0	SS	QTZT	0	0	0
ABS0224	561550	7136213	3	4	2	3	1	0	2	0	SS	CONG	0	0	0
ABS0225	560734	7131755	1	1	1	2	4	1	1	0	CARB	SCH	SCH	0	0
ABS0226	560282	7131557	4	2	2	2	4	1	1	0	HER	SCH	HER	0	0
ABS0227	559849	7131452	4	2	2	2	4	1	1	0	ARG	SCH	0	0	0
ABS0228	559277	7131634	5	0	0	0	2	1	1	0	HER	CHER	0	0	0
ABS0229	558813	7131493	1	0	0	0	2	2	1	0	SCH	ARG	0	0	0
ABS0230	558463	7131496	1	0	0	0	2	2	1	0	SCH	ARG	0	0	0
ABS0231	558090	7131489	1	0	0	0	2	3	0	0	0	0	0	0	0
ABS0232	ANOMALOUS														
ABS0233	BLANK														
ABS0234	562516	7133368	3	4	2	3	3	0	2	0	SS	0	0	0	0
ABS0235	562669	7133782	4	5	3	4	2	0	2	0	SHL	SS	SHL	0	0
ABS0236	563098	7133917	4	5	3	4	3	0	7	0	LMST	SS	SS	0	0
ABS0237	563431	7134419	3	4	2	4	2	0	7	0	LMST	SS	0	0	0
ABS0238	563472	7134856	4	5	2	4	2	0	2	0	SS	QTZT	0	0	0
ABS0239	563365	7135355	4	5	2	4	2	9	7	0	SS	0	0	0	0
ABS0240	562170	7130901	3	4	3	4	0	2	1	0	LMST	0	0	0	0
ABS0241	561746	7130646	3	4	2	4	1	0	3	3	SS	0	SS	0	0
ABS0242	BLANK														
ABS0243	561211	7130393	3	4	2	4	3	0	3	3	SS	0	SS	0	0
ABS0244	560754	7130360	4	5	2	4	2	0	3	3	VOLC	SS	0	0	0
ABS0245	560317	7130252	3	4	2	4	1	1	7	0	VOLC	SS	0	0	0
ABS0246	559846	7310029	3	4	3	4	1	2	7	0	SS	0	0	0	0
ABS0247	559433	7129802	3	4	3	4	1	1	2	0	SS	SHL	SHL	0	0
ABS0248	562572	7131089	1	2	1	3	3	1	7	0	LMST	SS	0	0	0
ABS0249	562994	7131469	2	3	2	3	3	1	1	0	LMST	SS	0	0	0
ABS0250	563417	7131636	3	4	2	3	3	1	2	0	SHL	QTZT	0	0	0
ABS0251	563861	7131880	4	5	2	3	2	1	7	0	CONG	SHL	SCH	0	0

Stream Sediment Data Sheets - ABS Sample Series

NUMBER	EASTING	NORTH	BW	WW	WD	FR	LR	O	SC	PPT	BL1	BL2	BRL	SULF	ALTN
ABS0252	564088	7132002	4	5	2	2	2	0	7	0	SCH	0	0	0	0
ABS0253	564359	7132270	4	5	3	4	2	0	7	0	SS	SCH	0	0	0
ABS0254	564840	7132532	4	5	3	4	2	1	7	0	CONG	SCH	0	0	0
ABS0255	565035	7132494	2	3	2	3	2	2	2	0	CONG	SS	0	0	0
ABS0256	565318	7132778	4	5	2	4	2	1	2	0	CONG	SCH	0	0	0
ABS0257	565568	7133333	4	5	3	3	2	1	2	0	SS	CONG	0	0	0
ABS0258	565883	7133666	4	5	3	4	1	0	2	0	VOLC	SS	0	0	0
ABS0259	565952	7134012	4	5	3	4	1	0	7	0	VOLC	SS	0	0	0
ABS0260	566024	7134666	4	5	3	4	1	0	7	0	VOLC	SS	0	0	0
ABS0261	565636	7134996	1	2	4	2	1	1	7	0	SS	0	0	0	0
ABS0262	563517	7131380	1	1	1	1	3	0	7	0	SCH	0	SCH	0	0
ABS0263	563954	7131252	3	4	3	3	3	0	7	0	CONG	SCH	SCH	0	0
ABS0264	563190	7129931	3	4	2	4	3	0	7	0	SCH	LMST	SCH	0	0
ABS0265	562889	7129581	3	4	3	4	3	0	7	0	SCH	LMST	SCH	0	0
ABS0266	562671	7129361	3	4	2	3	2	1	2	0	SCH	LMST	0	0	0
ABS0267	562400	7128938	2	3	3	3	2	2	2	0	0	0	0	0	0
ABS0268	561956	7128733	3	4	3	3	2	0	7	0	SCH	CONG	0	0	0
ABS0269	561010	7128629	3	4	2	3	2	0	7	0	SCH	SS	0	0	0
ABS0270	560515	7128452	4	5	2	3	2	0	7	0	SCH	SS	0	0	0
ABS0271	ANOMALOUS														
ABS0272	560143	7128386	4	5	2	4	2	0	7	0	SCH	SS	0	0	0
ABS0273	559597	7128605	4	5	2	4	1	0	7	0	SS	CARB	0	0	0
ABS0274	559198	7128972	4	5	2	3	1	1	7	0	SS	LMST	0	0	0
ABS0275	559046	7129255	4	5	3	3	1	0	7	9	SS	LMST	0	0	0
ABS0276	564411	729819	1	2	1	2	2	1	1	0	SCH	LMST	SCH	0	0
ABS0277	564358	7129468	3	4	2	2	2	0	7	0	SCH	LMST	SCH	0	0
ABS0278	564431	7128856	2	3	2	2	1	2	1	0	SCH	LMST	0	0	0
ABS0279	564440	7128324	3	4	2	2	2	0	7	0	LMST	CARB	0	0	0
ABS0280	564746	7128041	4	5	2	3	1	1	2	0	LMST	SS	0	0	0
ABS0281	566876	7139877	3	4	2	4	4	1	1	0	VOLC	CARB	VOLC	1	0
ABS0282	BLANK														
ABS0283	576151	7139778	3	4	2	4	4	1	7	0	VOLC	SS	VOLC	0	0
ABS0284	562992	7142775	1	1	1	3	4	0	11	0	SLST	CARB	SLST	0	0
ABS0285	562840	7142233	4	1	1	2	4	0	1	0	SLST	CARB	SLST	0	0
ABS0286	562911	7142194	3	4	2	4	4	0	7	0	SLST	CARB	SLST	0	0
ABS0287	562827	7141621	3	4	2	4	4	0	7	0	SLST	VOLC	SLST	0	0
ABS0288	562842	7141230	3	4	2	4	4	0	2	0	SLST	VOLC	SLST	0	0
ABS0289	583042	7140775	4	5	3	4	4	0	2	0	MDST	QTZT	MDST	0	0
ABS0290	563574	7141749	2	2	1	2	4	0	2	0	MDST	CARB	MDST	0	0
ABS0291	ANOMALOUS														
ABS0292	563524	7141481	3	4	2	4	4	1	2	0	MDST	0	MDST	0	0
ABS0293	563081	7141187	3	4	2	4	4	0	2	0	MDST	VOLC	MDST	0	0
ABS0294	565057	7141567	3	4	2	3	4	0	1	0	VOLC	QTZT	VOLC	0	0
ABS0295	565012	7141376	1	2	3	3	4	1	1	0	VOLC	0	0	0	0
ABS0296	565030	7140900	2	2	3	3	4	0	1	0	VOLC	0	0	0	0
ABS0297	564494	7140585	3	4	2	3	4	0	1	0	VOLC	0	VOLC	0	0
ABS0298	564197	7140367	4	5	3	4	4	0	1	3	VOLC	SCH	VOLC	0	0
ABS0299	564133	7140322	4	5	3	4	3	0	1	0	VOLC	SS	VOLC	0	0
ABS0300	563799	7140056	4	5	3	4	3	0	1	0	VOLC	SS	VOLC	0	0
ABS0301	563500	7139522	3	4	3	4	3	0	1	0	VOLC	SS	VOLC	0	0

Stream Sediment Data Sheets - ABS Sample Series

NUMBER	EASTING	NORTH	BW	WW	WD	FR	LR	O	SC	PPT	BL1	BL2	BRL	SULF	ALTN
ABS0302	564150	7139400	2	3	2	3	4	1	7	0	VOLC	SS	VOLC	0	0
ABS0303	561194	7138904	2	3	2	2	3	3	1	0	SS	VOLC	0	0	0
ABS0304	BLANK														
ABS0305	561070	7138445	2	3	2	4	2	1	1	0	SS	VOLC	0	0	0
ABS0306	560750	7137980	3	4	3	3	1	3	1	0	VOLC	SS	0	0	0
ABS0307	560590	7137528	4	0	0	0	1	0	1	V	VOLC	SS	0	0	0
ABS0308	560360	7137190	4	5	2	2	0	0	7	0	VOLC	SS	0	0	0
ABS0309	599000	7139350	1	2	2	3	3	1	1	0	SS	0	0	0	0
ABS0310	559550	7138950	1	1	1	1	2	1	1	0	VOLC	0	0	0	0
ABS0311	559190	7138250	1	2	1	2	1	2	7	0	0	0	0	0	0
ABS0312	558600	7138100	2	0	0	0	1	1	7	0	0	0	0	0	0
ABS0313	558050	7138050	2	3	2	2	1	1	7	0	VOLC	SS	0	0	0
ABS0314	547486	7116329	3	4	2	3	3	0	7	0	SS	SHL	0	0	0
ABS0315	559848	7141382	4	5	3	3	4	1	2	0	VOLC	SS	VOLC	0	0
ABS0316	ANOMALOUS										VOLC	SS	VOLC	0	0
ABS0317	559409	7142053	4	5	3	5	4	1	2	0	VOLC	0	VOLC	0	0
ABS0318	559210	7142569	5	6	4	5	4	1	2	0	VOLC	MDST	VOLC	0	0
ABS0319	558785	7142694	6	6	4	5	3	0	7	0	VOLC	MDST	VOLC	0	0
ABS0320	558367	7142658	6	6	4	5	2	0	2	0	VOLC	MDST	VOLC	0	0
ABS0321	557767	7142885	4	5	2	4	0	0	2	0	VOLC	MDST	0	0	0
ABS0322	561547	7145382	2	3	2	2	5	1	2	0	MDST	VOLC	MDST	0	0
ABS0323	561045	7143341	4	4	3	3	4	2	7	0	MDST	VOLC	MDST	0	0
ABS0324	560582	7143208	5	5	3	3	4	2	2	0	MDST	VOLC	MDST	0	0
ABS0325	560268	7142874	5	4	3	3	3	1	2	0	VOLC	MDST	VOLC	0	0
ABS0326	559939	7142619	5	5	3	3	3	1	2	0	VOLC	MDST	VOLC	0	0
ABS0327	BLANK														

Stream Sediment Data Sheets Duplicate Samples

NUMBER	EASTING	NORTH	BW	WW	WD	FR	LR	O	SC	PPT	BL1	BL2	BRL	SULF	ALTN	DUPLICATE OF ...	Claim
BES1001	575675	7114390	4	4	2	3	3	0	1	0	DLMT	LMST	DLMT	0	0	PLS2045	NAD
BES1002	592698	7111103	3	4	2	3	4	1	7	0	SS	LMST	0	0	0	PLS2077	NAD
BES1003	583833	7107527	4	5	3	5	3	0	7	0	LMST	0	0	0	0	ABS0088	NAD
BES1004	591550	7110900	4	0	0	0	4	1	1	0	LMST	QTZT	LMST	0	0	MSS4075	NAD
BES1005	588734	7114057	3	4	3	4	1	0	7	0	CARB	SS	0	0	0	ABS0134	Edina Cooker
BES1006																	
BES1007	548100	7119386	5	6	3	2	1	1	7	0	SHL	CARB	0	0	0	ABS0194	Rod/Cooker
BES1008	562516	7133368	3	4	2	3	3	0	2	0	SS	0	0	0	0	ABS0234	New Rusty,incl. in asses
BES1009	565952	7134012	4	5	3	4	1	0	7	0	VOLC	SS	0	0	0	ABS0259	New Rusty,incl. in asses
BES1010	565057	7141567	3	4	2	3	4	0	1	0	VOLC	QTZT	VOLC	0	0	ABS0294	New Rusty
BES1011	560180	7123725	4	5	2	3	1	1	1	0	SS	DLMT	0	1	0	PLS2111	VAL
BES1012	554053	7135232	3	0	0	0	1	0	1	0	SHL	0	0	0	0	MSS4097	New Rusty
BES1013	561547	7145382	2	3	2	2	5	1	2	0	MDST	VOLC	MDST	0	0	ABS0322	New Rusty

Stream Sediment Data Sheets - PLS Sample Series

NUMBER	EASTING	NORTH	BW	WW	WD	FR	LR	O	SC	PPT	BL1	BL2	BRL	SULF	ALTN
PLS2001	592458	7118357	2	0	0	0	4	3	1	0	DLMT	0	DLMT	0	0
PLS2002	592869	7118583	4	0	0	0	3	2	0	0	DLMT	SHL	DLMT	0	0
PLS2003	593070	7119036	3	0	0	0	2	1	0	0	DLMT	SHL	0	0	0
PLS2004	593426	7119442	3	4	3	2	1	1	7	0	DLMT	0	0	0	0
PLS2005	588598	7118415	4	5	2	3	3	0	7	0	LMST	0	LMST	0	0
PLS2006	588819	7118859	4	4	3	3	3	0	7	0	LMST	0	0	0	0
PLS2007	589119	7119213	4	0	0	0	2	0	7	0	LMST	0	0	0	0
PLS2008	589346	7119588	4	4	2	3	2	1	7	0	LMST	0	0	0	0
PLS2009	586008	7116958	1	1	1	2	3	3	1	0	LMST	0	0	0	0
PLS2010	585728	7117488	3	4	2	2	3	1	7	0	LMST	0	0	0	0
PLS2011	585757	7117424	3	4	2	2	3	1	7	0	LMST	0	0	0	0
PLS2012	585593	7118127	3	4	2	2	3	1	1	0	LMST	DLMT	0	0	0
PLS2013	585608	7118471	3	4	2	2	2	2	7	0	LMST	0	0	0	0
PLS2014	585776	7119030	3	4	3	2	2	2	7	0	LMST	0	0	0	0
PLS2015	585967	7119480	3	4	3	4	2	1	1	0	LMST	0	0	0	0
PLS2016	586185	7120005	2	3	3	3	2	2	1	0	LMST	0	0	0	0
PLS2017	586516	7120329	3	3	2	2	1	3	1	0	LMST	0	0	0	0
PLS2018	586838	7120936	3	4	2	4	1	2	1	0	LMST	0	0	0	0
PLS2019															
PLS2020	581417	7118155	3	4	2	3	3	0	3	3	LMST	SHL	0	0	0
PLS2021	581417	7118155	3	4	2	3	3	0	3	3	LMST	SHL	0	0	0
PLS2022	581485	7118525	2	0	0	0	2	3	7	0	LMST	SHL	0	0	0
PLS2023	581423	7118835	2	3	2	2	1	2	1	0	LMST	SHL	0	0	0
PLS2024	573650	7114650	4	0	0	0	4	0	7	0	SHL	LMST	0	0	0
PLS2025	573650	7115100	5	0	0	0	3	0	1	0	SHL	LMST	0	0	0
PLS2026	573700	7115650	4	4	3	4	3	1	1	0	LMST	SHL	0	0	0
PLS2027	573850	7116050	4	4	3	4	3	1	1	0	LMST	SHL	0	0	0
PLS2028	573900	7116500	4	4		3	3	1	1	0	LMST	SHL	0	0	0
PLS2029	573900	7116850	4	4	3	4	2	1	1	0	LMST	0	0	0	0
PLS2030															
PLS2031	579200	7113650	2	3	1	2	3	2	1	0	LMST	SRPT	SRPT	0	0
PLS2032	579650	7113500	3	4	1	2	2	1	1	0	MDST	SRPT	0	0	0
PLS2033	580200	7113650	2	3	3	3	3	1	1	0	MDST	SRPT	0	0	0
PLS2034	580550	7113650	3	4	3	4	3	2	1	0	DLMT	MDST	0	0	0
PLS2035	580600	7113700	2	3	3	4	3	1	1	0	DLMT	MDST	0	0	0
PLS2036	580900	7113350	3	4	3	3	2	1	1	0	DLMT	0	0	0	0
PLS2037	581250	7113100	3	4	3	4	2	1	1	0	DLMT	0	0	0	0
PLS2038	581700	7112900	3	4	3	4	2	1	1	0	DLMT	0	0	0	0
PLS2039	582150	7112700	3	4	3	4	2	2	1	0	DLMT	0	0	0	0
PLS2040	582400	7112250	3	4	3	4	1	1	1	0	DLMT	0	0	0	0
PLS2041	574813	7114247	3	0	0	0	4	0	1	0	LMST	SHL	SHL	0	0
PLS2042															
PLS2043	575250	7114084	2	0	0	0	2	1	1	0	LMST	SHL	0	0	0
PLS2044	575560	7113918	4	3	1	2	1	1	1	0	LMST	SHL	0	0	0
PLS2045	575675	7114390	4	4	2	3	3	0	1	0	DLMT	LMST	DLMT	0	0
PLS2046	575853	7114819	4	5	2	3	2	0	1	0	DLMT	LMST	0	0	0
PLS2047	575857	7115273	3	4	3	3	2	0	1	0	DLMT	0	0	0	0
PLS2048	575944	7115732	3	4	3	4	2	0	1	0	DLMT	0	0	0	0
PLS2049	575829	7115522	3	4	1	3	2	1	7	0	SHL	LMST	0	0	0

Stream Sediment Data Sheets - PLS Sample Series

NOTES

50 M UPSTREAM FROM SMALL TRIB. ON EAST BANK

JUST UPSTRM FROM JUNCTION WITH EAST FORK
JUST ABOVE WATERFALL

150 M UPSTRM OF JUNCTION WITH EAST FORK
350 M DOWNSTRM OF JUNCTION WITH EAST FORK
EASTERNMOST FORK IN MEADOW
JUST ABOVE JUNCTION WITH W FORK. 630 M DOWN FROM PLS2009
JUST ABOVE JUNCTION WITH E FORK.

JUST ABOVE JUNCTION WITH SECONDARY STREAM
ANOMALOUS STANDARD
STREAM BED HEAVILY IRON-STAINED. JUST ABOVE JUNCTION WITH FORK ON E.
DUPLICATE OF PLS2020

JUST ABOVE JUNCTION WITH DRY FORK ON E. 320 M BELOW PLS2022

50 M DOWNSTREAM FROM WATERFALL

200 UPSTREAM OF JUNCTION WITH EAST FORK
ANOMALOUS STANDARD

JUST ABOVE JUNCTION. WEST FORK.
JUST ABOVE JUNCTION. EAST FORK.

300 M UPSTREAM OF MOUTH.

BLANK

EAST FORK, JUST ABOVE JUNCTION
WEST FORK, 100 M ABOVE JUNCTION

Stream Sediment Data Sheets - PLS Sample Series

NUMBER	EASTING	NORTH	BW	WW	WD	FR	LR	O	SC	PPT	BL1	BL2	BRL	SULF	ALTN
PLS2050	575327	7115258	4	0	0	0	3	0	7	0	LMST	SHL	0	0	0
PLS2051	574968	7114972	3	0	0	0	3	0	1	0	DLMT	SHL	0	0	0
PLS2052	586014	7115658	1	0	0	0	3	3	0	0	LMST	0	0	0	0
PLS2053	586726	7115671	2	3	1	3	3	1	7	0	DLMT	LMST	0	0	0
PLS2054															
PLS2055	586597	7115340	3	4	1	3	2	2	0	0	LMST	0	0	0	0
PLS2056	586727	7115356	2	3	1	3	2	2	7	0	DLMT	0	0	0	0
PLS2057	586895	7114962	2	3	2	3	1	1	7	0	DLMT	0	0	0	0
PLS2058	587003	7114410	2	3	2	2	1	1	7	0	DLMT	0	0	0	0
PLS2059	587052	7114154	2	3	1	2	0	1	7	0	DLMT	0	0	0	0
PLS2060	592493	7116457	2	0	0	0	3	3	2	0	LMST	0	0	0	0
PLS2061	592505	7116147	2	0	0	0	2	2	1	0	LMST	0	0	0	0
PLS2062															
PLS2063	587000	7107506	2	2	2	4	4	2	2	0	SS	LMST	SS	0	0
PLS2064	586474	7107238	4	5	2	2	3	1	2	0	SS	LMST	0	0	0
PLS2065	586125	7106846	2	3	3	4	3	0	7	0	SS	SHL	0	0	0
PLS2066	585598	7106698	4	4	2	4	3	0	7	0	SHL	LMST	SHL	0	0
PLS2067	585391	706546	4	4	2	3	3	0	2	0	SHL	LMST	LMST	0	0
PLS2068	585159	7106844	4	0	0	0	3	0	7	0	LMST	0	0	0	0
PLS2069	584743	7107199	5	4	2	4	2	1	2	0	LMST	0	0	0	0
PLS2070	584884	7107461	3	4	3	4	3	0	7	0	DLMT	0	LMST	0	0
PLS2071	585198	7107753	2	3	3	4	4	0	7	0	LMST	0	0	0	0
PLS2072	584602	7108669	2	2	2	3	4	1	2	0	LMST	0	LMST	0	0
PLS2073	584360	7108264	2	0	0	0	4	0	7	0	LMST	0	0	1	1
PLS2074															
PLS2075	584055	7107909	3	3	2	4	3	2	2	0	LMST	SS	SS	0	0
PLS2076	583819	7107530	3	4	2	4	2	2	7	0	SS	LMST	0	0	0
PLS2077	592698	7111103	3	4	2	3	4	1	7	0	SS	LMST	0	0	0
PLS2078	592655	7111566	4	5	2	3	3	0	7	0	SHL	LMST	SHL	0	0
PLS2079	592400	7112350	3	4	2	4	3	0	7	0	SHL	LMST	LMST	0	0
PLS2080	592800	7112600	4	5	2	3	3	0	7	0	SHL	LMST	0	0	0
PLS2081	592590	7112688	2	3	2	3	3	0	4	0	SHL	LMST	0	0	0
PLS2082	592243	7112841	4	5	2	3	2	0	1	0	LMST	SHL	0	0	0
PLS2083	591800	7113220	4	5	3	4	2	0	11	0	LMST	SHL	0	0	0
PLS2084	591250	7113235	4	5	3	4	2	0	1	0	LMST	SHL	0	0	0
PLS2085	590840	7113307	4	5	4	4	2	2	1	0	LMST	SS	0	0	0
PLS2086															
PLS2087	551183	7132911	4	4	1	2	3	0	1	0	SHL	0	SHL	0	0
PLS2088	551442	7133354	4	4	2	2	3	0	1	0	SHL	0	SHL	0	0
PLS2089	551780	7133820	4	4	2	3	3	0	1	0	SHL	0	0	0	0
PLS2090	551803	7133815	3	4	1	2	3	2	2	0	SHL	0	0	0	0
PLS2091	552295	7133715	3	4	2	3	3	1	1	0	SHL	0	0	0	0
PLS2092	552005	7133790	3	4	2	3	3	1	1	0	SHL	0	0	0	0
PLS2093	553275	7133576	4	5	2	3	3	0	1	0	SHL	0	0	0	0
PLS2094	553750	7133500	4	5	2	3	3	0	1	0	SHL	DIOR	0	0	0
PLS2095	553771	7133550	3	2	1	2	3	0	1	0	SHL	0	SHL	0	0
PLS2096	554040	7133000	4	5	2	3	2	0	1	0	SHL	DIOR	0	0	0
PLS2097	554345	7132677	4	5	2	2	1	0	1	0	SHL	DIOR	0	0	0
PLS2098															
PLS2099	551764	7132570	4	1	1	2	4	0	1	0	SHL	0	SHL	0	0

Stream Sediment Data Sheets - PLS Sample Series

NOTES

NO APPARENT STREAM BED, JUST OVERGROWN DITCH IN MEADOW.

BLANK
WEST FORK, JUST ABOVE JUNCTION
EAST FORK, JUST ABOVE JUNCTION

350 M UPSTREAM OF MOUTH
AT MOUTH
FROM DRY SIDE CHANNEL, JUST ABOVE DRY WATERFALL
FROM DRY SIDE CHANNEL, AT MOUTH
ANOMALOUS STANDARD

SANDSTONE W/ FE/MN SHOWING
BLANK
Fe/Mn LEACHING IN SS
AT MOUTH OF TRIBUTARY ENTERING MAIN STREAM FROM EAST
JUST BELOW LAKE OUTLET

100 M DOWNSTREAM OF PLS2080 - E TRIB TO MAIN STREAM.

JUST ABOVE CONFLUENCE, E FORK
JUST ABOVE CONFLUENCE, E FORK
ANOMALOUS STANDARD

SOUTH FORK, JUST ABOVE JUNCTION
NORTH FORK, JUST ABOVE JUNCTION

SOUTH FORK, JUST ABOVE JUNCTION
NORTH FORK, JUST ABOVE JUNCTION

BLANK

Stream Sediment Data Sheets - PLS Sample Series

NUMBER	EASTING	NORTH	BW	WW	WD	FR	LR	O	SC	PPT	BL1	BL2	BRL	SULF	ALTN
PLS2100	552222	7132610	4	0	0	0	3	0	1	0	SHL	0	SHL	0	0
PLS2101	552712	7132590	3	3	2	2	3	0	1	0	SHL	0	VOLC	0	0
PLS2102	553155	7132630	4	4	2	3	3	0	1	0	DIOR	SHL	0	0	0
PLS2103	553500	7132350	3	0	0	0	2	0	1	0	DIOR	SHL	0	0	0
PLS2104	553860	7132138	5	4	2	2	2	1	2	0	DIOR	SHL	0	0	0
PLS2105	562654	7125580	2	2	1	1	2	2	0	0	DLMT	0	DLMT	1	0
PLS2106	562297	7125075	3	1	1	2	2	0	1	0	DLMT	0	0	0	0
PLS2107	561844	7124750	3	4	2	2	2	0	1	0	DLMT	SS	0	1	0
PLS2108	561444	7124630	3	4	2	3	2	0	1	0	DLMT	SS	0	1	0
PLS2109	560924	7124330	3	4	2	3	1	1	1	0	DLMT	SS	0	0	0
PLS2110	560650	7124120	4	4	2	3	1	1	1	0	DLMT	SS	0	0	0
PLS2111	560180	7123725	4	5	2	3	1	1	1	0	SS	DLMT	0	1	0
PLS2112	561538	7142475	4	5	3	2	4	0	1	0	DLMT	0	0	0	0
PLS2113	560790	7142480	4	5	3	2	4	0	1	0	DLMT	0	0	0	0
PLS2114	560333	7142525	4	4	3	2	4	0	1	0	DLMT	0	0	0	0
PLS2115	559875	7142648	4	5	3	2	4	0	1	0	DLMT	0	DLMT	0	0
PLS2116	559312	7142550	5	3	2	3	3	0	1	0	DLMT	0	0	0	0

Stream Sediment Data Sheets - PLS Sample Series

NOTES

AT MOUTH
FINE GRAINED GALENA IN DOLOMITE

PYRITE CRYSTALS IN DOLOMITE
PYRITE CRYSTALS IN DOLOMITE

FINE GRAINED GALENA IN SS. 140 M UPSTREAM OF MOUTH. DUPLICATE: BES1011.
FROM SMALL POND AT HEAD OF STREAM

MOST OF STREAM FLOW IS BENEATH BED OF TALUS
FROM POOL AT BASE OF SMALL WATERFALL, JUST UPSTREAM OF MOUTH.
MOST OF STREAM FLOW IS BENEATH BED

Stream Sediment Data Sheets - MSS Sample Series

NUMBER	EASTING	NORTH	BW	WW	WD	FR	LR	O	SC	PPT	BL1	BL2	BRL	SULF	ALTN
MSS4001	591736	7119128	4	5	1	3	4	0	1	0	DLMT	0	DLMT	0	0
MSS4002	591833	7119518	2	3	2	4	3	0	7	0	DLMT	0	DLMT	0	0
MSS4003	591718	7120001	2	0	0	0	1	3	0	0	DLMT	0	DLMT	0	0
MSS4004	592384	7120223	2	0	0	0	0	2	0	0	DLMT	0	0	0	0
MSS4005	589519	7118417	3	0	0	0	3	3	1	0	LMST	SS	0	0	0
MSS4006	589222	7118802	3	3	2	3	3	1	1	0	LMST	SS	0	0	0
MSS4007	589261	7119241	2	3	2	4	4	0	7	0	LMST	0	0	0	0
MSS4008	587940	7118566	2	0	0	0	2	3	1	0	DLMT	0	DLMT	0	0
MSS4009															
MSS4010	587895	7119028	3	3	2	3	3	0	7	0	DLMT	SS	0	0	0
MSS4011	587780	7119597	3	0	0	0	2	0	1	0	DLMT	QTZT	0	0	0
MSS4012	587588	7120012	2	3	1	3	2	0	1	0	DLMT	0	0	0	0
MSS4013	587520	7120372	1	0	0	0	1	2	1	0	DLMT	0	0	0	0
MSS4014	587198	7120658	2	0	0	0	1	3	0	0	DLMT	0	0	0	0
MSS4015	583413	7120487	1	1	1	2	2	3	0	0	0	0	0	0	0
MSS4016	583416	7120936	1	1	3	3	2	3	0	0	CONG	SS	0	0	0
MSS4017	583308	7121300	2	2	4	3	1	3	0	0	0	0	0	0	0
MSS4018	582954	7121715	2	2	4	3	1	3	0	0	DLMT	SS	0	0	0
MSS4019	582903	7116822	2	1	1	3	3	0	0	0	LMST	SHL	LMST	0	0
MSS4020	583035	7117306	2	3	3	3	3	0	0	0	LMST	SHL	0	0	0
MSS4021	583035	7117306	2	3	3	3	3	0	0	0	LMST	SHL	0	0	0
MSS4022	583056	7117717	5	4	3	4	2	1	0	0	LMST	0	0	0	0
MSS4023	582863	7117975	2	3	3	3	2	0	0	0	LMST	0	0	0	0
MSS4024	582771	7118665	1	2	4	3	0	2	0	0	LMST	SS	0	0	0
MSS4025	582502	7119064	2	3	3	3	1	0	0	0	LMST	0	0	0	0
MSS4026	582011	7119250	4	4	2	3	1	0	7	0	LMST	0	0	0	0
MSS4027	579646	7114686	3	0	0	0	3	0	0	0	LMST	SLST	LMST	0	0
MSS4028	579652	7115061	4	3	2	3	3	0	2	0	LMST	SHL	SHL	0	0
MSS4029	579684	7115593	3	0	0	0	0	1	7	0	LMST	0	0	0	0
MSS4030	579608	7115955	2	2	3	4	1	1	0	0	LMST	0	0	0	0
MSS4031	580085	7116864	2	0	0	0	4	3	0	0	LMST	0	0	0	0
MSS4032															
MSS4033	579749	7116820	1	2	2	4	4	1	3	0	LMST	SHL	0	0	0
MSS4034	579379	7116467	1	2	2	3	0	0	0	0	LMST	0	0	0	0
MSS4035	579163	7118627	1	1	1	3	1	3	0	0	0	0	0	0	0
MSS4036	578654	7118575	1	1	1	3	1	2	0	0	LMST	0	0	0	0
MSS4037	578203	7118591	1	1	1	1	0	3	0	0	0	0	0	0	0
MSS4038	577905	7118462	2	0	0	0	1	1	0	0	0	0	0	0	0
MSS4039	577547	7118520	2	2	2	2	3	1	0	0	LMST	0	0	0	0
MSS4040	581396	7114485	3	0	0	0	2	0	2	0	LMST	0	LMST	0	0
MSS4041	581396	7114485	3	0	0	0	2	0	2	0	LMST	0	LMST	0	0
MSS4042	581826	7114350	3	1	1	3	3	0	7	0	LMST	0	0	0	0
MSS4043	582087	7113431	3	0	0	0	2	1	7	0	LMST	GRNT	0	0	0
MSS4044	582135	7113292	3	2	1	2	2	1	7	0	LMST	0	0	0	0
MSS4045	582378	7113024	3	0	0	0	1	1	1	0	LMST	GRNT	0	0	0
MSS4046	582592	7112607	1	0	0	0	1	1	1	0	LMST	0	0	0	0
MSS4047	583028	7112591	2	2	1	2	0	1	0	0	0	0	0	0	0
MSS4048	583493	7112535	2	4	2	3	0	1	0	0	LMST	0	0	0	0
MSS4049	577531	7112479	1	0	0	0	3	1	2	0	SHL	DLMT	SHL	0	0

Stream Sediment Data Sheets - MSS Sample Series

NOTES

500 m D/S OF SCREE ZONE; POSSIBLE CONTAMINATION FROM U/S GULLEY DRAINAGE (SEASONAL FLOW 2m BF

V.HIGH ORGANIC CONTENT IN SAMPLE

V.HIGH ORGANIC CONTENT IN SAMPLE-DRY BED W/VEG.

10 m U/S OF CONFLUENCE WITH WEST TRIB.; NO FINES ACCESSIBLE, H20 BFW
INSUFFICIENT FINES @ SITE/DUG 10 cm+ TO OBTAIN FINER GRAIN SIZES
ANOMALOUS STANDARD

POOR SITE FOR FINES
POOR SITE FOR FINES
NO VISIBLE LITHOLOGIES;BRAIDED DRAINAGE; V.HIGH ORG. CONTENT; NO DEFINED MAIN CHANNEL
V.HIGH ORG. CONTENT

POOR SITE FOR FINES=SMALL SAMPLE

DUPLICATE SAMPLE OF 4020 SITE

185 m SOUTH OF CONFLUENCE W/ANNE'S STRM
SAMPLE TAKEN @ END OF KAORI'S STRM

ANOMALOUS STANDARD
HAS SMALL TRIB. ENTERING FROM SE/Fe Mg PRESENT ON STREAM ROCKS
H20 IS SUBGROUND D/S OF 4033; MAIN CHANNEL LOST- BRAIDED SYSTEM-GPS ACCURACY?
MARSH

MARSH-MULTIPLE CHANNELS

DUPLICATE SAMPLE OF 4040 SITE
POOR GPS COVERAGE?

Stream Sediment Data Sheets - MSS Sample Series

NUMBER	EASTING	NORTH	BW	WW	WD	FR	LR	O	SC	PPT	BL1	BL2	BRL	SULF	ALTN
MSS4050	577319	7112468	2	3	1	4	3	0	2	0	DLMT	SHL	0	0	0
MSS4051	577121	7111723	3	4	1	4	3	1	2	0	DLMT	GS	0	0	0
MSS4052	576843	7111405	4	4	2	4	3	1	1	0	DLMT	QTZT	0	0	0
MSS4053	576633	7111018	3	4	1	4	4	0	2	0	DLMT	QTZT	0	0	0
MSS4054	576399	7110519	2	3	2	3	3	0	1	0	DLMT	CONG	0	0	0
MSS4055	576507	7110183	2	2	1	3	1	0	1	0	DLMT	0	0	0	0
MSS4056	576550	7109661	2	2	1	2	1	2	1	0	0	0	0	0	0
MSS4057															
MSS4058	578999	7112531	1	2	1	4	3	1	1	0	DLMT	QTZT	0	0	0
MSS4059	578954	7112143	1	1	1	2	3	2	2	0	SHL	0	0	0	0
MSS4060	579040	7111917	4	2	1	3	3	1	2	0	DLMT	0	0	0	0
MSS4061	579070	7111900	3	3	1	3	3	1	2	0	DLMT	0	0	0	0
MSS4062	579209	7111275	2	3	2	4	3	2	2	0	DLMT	0	0	0	0
MSS4063	579232	7110884	2	3	2	3	1	1	2	0	DLMT	0	0	0	0
MSS4064	579463	7110613	2	3	2	3	0	0	2	0	DLMT	QTZT	0	0	0
MSS4065	590917	7117661	1	2	1	3	4	0	1	0	LMST	0	0	0	0
MSS4066	591052	7117177	1	1	1	3	4	3	1	0	LMST	0	LMST	0	0
MSS4067	591005	7116724	2	0	0	0	4	3	0	0	LMST	0	0	0	0
MSS4068	594155	7113825	2	2	1	3	4	1	0	0	LMST	SHL	0	0	0
MSS4069	594160	7113825	2	2	1	3	4	0	0	0	LMST	0	0	0	0
MSS4070	594100	7114250	3	3	2	4	3	0	0	0	LMST	0	0	0	0
MSS4071	593723	7114768	3	3	2	4	3	1	0	0	LMST	0	0	0	0
MSS4072	593653	7115086	2	2	1	3	3	1	0	0	LMST	0	0	0	0
MSS4073	593600	7115186	3	4	1	4	2	1	0	0	LMST	0	0	0	0
MSS4074	593796	7115468	3	4	2	4	1	2	0	0	LMST	0	0	0	0
MSS4075	591550	7110900	4	0	0	0	4	1	1	0	LMST	QTZ	LMST	0	0
MSS4076	591690	7111357	4	3	2	4	4	0	1	0	LMST	GS	0	0	0
MSS4077	591780	7111829	4	3	2	4	3	0	1	0	LMST	QTZ	0	0	0
MSS4078	591592	7112077	3	2	1	3	3	1	1	0	LMST	QTZ	SHL	0	0
MSS4079	591821	7112190	4	3	2	4	3	0	1	0	LMST	0	0	0	0
MSS4080	591572	7112573	4	3	2	4	3	0	1	0	LMST	CONG	0	0	0
MSS4081	591391	7112987	4	4	2	4	2	0	1	0	LMST	CONG	0	0	0
MSS4082	590849	7113288	1	1	1	3	1	3	1	0	0	0	0	0	0
MSS4083	590826	7112733	4	0	0	0	2	1	1	0	LMST	SHL	0	0	0
MSS4084	590821	7112336	4	0	0	0	3	0	1	0	LMST	SHL	SHL	0	0
MSS4085	590705	7112373	4	2	1	3	3	0	1	0	LMST	SHL	SHL	0	0
MSS4086	590830	7111840	4	0	0	0	4	0	1	0	LMST	SHL	LMST	0	0
MSS4087															
MSS4088	584095	7109253	3	0	0	0	3	0	1	0	LMST	0	LMST	0	0
MSS4089	583939	7109703	3	3	1	3	2	0	1	0	LMST	0	LMST	0	0
MSS4090	583724	7110312	3	3	1	3	2	0	1	0	LMST	0	0	0	0
MSS4091	583319	7110406	3	3	1	3	2	0	1	0	SHL	LMST	SHL	0	0
MSS4092	583033	7110533	3	0	0	0	1	1	1	0	LMST	0	LMST	0	0
MSS4093	583523	7110397	3	3	1	3	1	2	1	0	LMST	0	0	0	0
MSS4094	582100	7110045	2	3	1	3	1	1	1	0	LMST	0	0	0	0
MSS4095	581717	7110915	2	3	1	3	0	1	2	0	LMST	QTZ	0	0	0
MSS4096	581402	7111305	3	3	1	3	0	1	1	0	LMST	0	SHL	0	0
MSS4097	554053	7135232	3	0	0	0	1	0	1	0	SHL	0	0	0	0
MSS4098	554083	7135695	1	1	1	2	2	1	1	0	MDST	SS	0	0	0
MSS4099	554108	7136131	4	4	2	3	2	1	1	0	SHL	SS	SHL	0	0

Stream Sediment Data Sheets - MSS Sample Series

NOTES
GPS ACCURACY?

CONFLUENCE AREA. SAMPLES AND TAGS LOCATED ON WEST FORK (ALSO LARGER BEDWIDTH THAN EAST FO

SAMPLE SITE 250 U/S OF NADALEEN R.
ANOMALOUS STANDARD
SAMPLE SITE ON EAST FORK
SAMPLE SITE ON WEST FORK
SAMPLE SITE ON WEST FORK 230 m U/S OF CONFLUENCE-H20 TABLE SIGHER THAN 4059, MORE DEFINED CHAN
SAMPLE SITE ON EAST FORK DUE EAST OF 4060; APPROX. 230 m U/S OF CONFLUENCE

363 m U/S OF 4063

SAMPLE SITE JUST D/S OF CANYON
END
SAMPLE SITE ON WEST FORK OF HEADWATER DRAINAGE
SAMPLE SITE ON EAST FORK OF HEADWATER DRAINAGE

TRIB./GULLEY/FAILURE LOCATED 65 m D/S OF 4071
SAMPLE TAKEN ON WEST TRIBUTARY 400 m D/S OF 4071 (SAMPLE APPROX. 25 m U/S OF CONFLUENCE WITH M

SAMPLE SITE ON WEST TRIBUTARY; 320 m D/S OF 4077; SITE 20 m U/S OF CONFLUENCE

WESTERN TRIB. FLOWS INTO 2ND ORDER STRM D/S OF CONFLUENCE WITH M+P STREAMS. SAMPLE SITE IS NO

SAMPLE SITE IN EAST GULLEY IN HEADWATERS
SAMPLE SITE IN WEST GULLEY IN HEADWATERS
SAMPLE SITE AT TOP OF HEADWATERS IN EAST GULLEY
ANOMALOUS STANDARD

SAMPLE LOCATION 65 m U/S OF NAD. R.
VERY FEW FINES PRESENT
VERY FEW FINES PRESENT
LOCATED JUST D/S OF TRIB. (WEST) SAMPLE NOT POSSIBLE- SHALE BEDROCK LITH JUST D/S

Stream Sediment Data Sheets - MSS Sample Series

NUMBER	EASTING	NORTH	BW	WW	WD	FR	LR	O	SC	PPT	BL1	BL2	BRL	SULF	ALTN
MSS4100	554300	7130605	3	4	1	3	2	1	1	0	SHL	SS	0	0	0
MSS4101	554294	7137090	4	5	1	3	1	1	1	0	SS	MDST	0	0	0
MSS4102	554535	7137360	2	4	1	3	0	1	1	0	SS	MDST	0	0	0
MSS4103	551748	7136600	2	2	2	3	2	3	1	0	DLMT	0	0	0	0
MSS4104	551688	7137000	3	4	1	3	2	3	1	0	SS	MDST	0	0	0
MSS4105	552026	7137462	3	4	1	3	1	2	1	0	SS	MDST	0	0	0
MSS4106	552197	7137794	2	3	1	3	1	1	7	0	SS	CONG	MDST	0	0

Stream Sediment Data Sheets - MSS Sample Series

NOTES

SAMPLE NOT TAKEN U/S DUE TO SUB-TERRAIN H20 +UNDEFINED CHANNEL/SAMPLE HAS VERY HIGH ORGANIC
SAME AS 4103

Stream Sediment Data Sheets - KTS Series

NUMBER	EASTING	NORTH	BW	WW	WD	FR	LR	O	SC	PPT	BL1	BL2	BRL	SULF	ALTN
KTS5001	594042	7118020	1	1	1	2	3	3	0	0	DLMT	0	0	0	0
KTS5002	594586	7118811	1	0	0	0	1	3	0	0	DLMT	0	0	0	0
KTS5003	594892	7119022	1	0	0	0	1	3	0	0	DLMT	0	0	0	0
KTS5004	595183	7119277	2	0	0	0	0	1	2	0	DLMT	0	0	0	0
KTS5005	587680	7118332	2	0	0	0	4	2	1	0	LMST	0	LMST	0	0
KTS5006	587305	7118658	2	0	0	0	1	1	2	0	LMST	QTZT	SHL	0	0
KTS5007	587294	7119330	2	2	2	3	2	0	0	0	LMST	0	0	0	0
KTS5008	587339	7119616	3	2	2	3	2	0	0	0	LMST	QTZT	0	0	0
KTS5009	587365	7120366	3	3	3	4	1	1	0	0	LMST	0	0	0	0
KTS5010															
KTS5011	587295	7120868	3	3	3	4	1	1	7	0	LMST	0	0	0	0
KTS5012	586842	712876	3	3	2	3	1	1	7	0	LMST	0	LMST	0	0
KTS5013	586631	7121304	4	4	4	4	1	1	7	0	LMST	0	LMST	0	0
KTS5014	586566	7121771	4	4	4	4	1	0	7	0	LMST	0	0	0	0
KTS5015	586293	7122004	3	3	3	3	1	1	7	0	LMST	0	0	0	0
KTS5016	586003	7122462	4	4	4	4	1	0	7	0	LMST	0	0	0	0
KTS5017	585770	7122800	4	0	0	0	1	1	0	0	LMST	0	0	0	0
KTS5018	582500	7121034	2	3	3	3	1	3	0	0	0	0	0	0	0
KTS5019	582597	7121514	1	2	4	3	1	3	0	0	LMST	0	0	0	0
KTS5020															
KTS5021	582542	7121914	4	4	4	4	1	3	0	0	LMST	0	0	0	0
KTS5022	582038	7122188	2	3	4	4	1	3	0	0	LMST	0	LMST	0	0
KTS5023	582763	7122375	3	3	4	3	1	3	0	0	0	0	0	0	0
KTS5024	581900	7116850	2	3	3	3	3	2	7	0	LMST	0	0	0	0
KTS5025	581950	7117350	4	4	3	3	3	2	7	0	LMST	0	LMST	0	0
KTS5026	582000	7117750	3	4	4	3	2	2	7	0	LMST	0	0	0	0
KTS5027	582050	7118250	3	4	3	3	1	1	7	0	LMST	0	0	0	0
KTS5028	582000	7118750	3	4	3	3	1	1	7	0	LMST	0	0	0	0
KTS5029	580872	7115131	3	4	2	3	3	0	7	0	SHL	LMST	SHL	0	0
KTS5030															
KTS5031	580966	7115665	2	2	3	2	2	1	7	0	LMST	LMST	0	0	0
KTS5032	581285	7115762	2	3	3	3	2	1	7	0	LMST	SHL	0	0	0
KTS5033	577004	7115434	1	2	2	2	3	1	7	0	LMST	SHL	0	0	0
KTS5034	576974	7115874	2	3	3	3	2	1	7	0	LMST	SHL	0	0	0
KTS5035	576630	7115937	2	3	3	3	2	0	7	0	SHL	LMST	0	0	0
KTS5036	576484	7116448	2	3	3	3	1	1	7	0	SHL	LMST	0	0	0
KTS5037	576263	7116883	3	4	4	3	2	0	7	0	LMST	SHL	0	0	0
KTS5038	574325	7116636	1	2	2	3	2	2	0	0	LMST	SHL	0	0	0
KTS5039	574020	7116990	2	0	0	0	2	3	7	0	LMST	SHL	0	0	0
KTS5040															
KTS5041	582621	7115154	1	1	2	3	3	2	7	0	0	0	0	0	0
KTS5042	583061	7114958	2	0	0	0	2	3	1	0	LMST	0	0	0	0
KTS5043	583198	7114906	2	3	2	2	1	0	7	0	LMST	SHL	0	0	0
KTS5044	583360	7114564	2	3	3	4	1	1	7	0	LMST	SHL	0	0	0
KTS5045	583292	7114121	3	4	3	4	2	2	7	0	LMST	SHL	0	0	0
KTS5046	583188	7113740	3	4	4	3	1	1	7	0	LMST	SHL	0	0	0
KTS5047	583121	7113383	3	4	3	3	1	1	7	0	LMST	SHL	0	0	0
KTS5048	583164	7112916	3	4	3	3	1	2	7	0	LMST	0	0	0	0
KTS5049	583258	7112510	2	3	4	2	0	3	1	0	0	0	0	0	0
KTS5050															

Stream Sediment Data Sheets - KTS Series

NOTES

Anomalous Standard

Junction with 2nd order stream is 60m from KTS 5012

Anomalous Standard
lots of pebbles, low silt content, high organic content
lots of pebbles, low silt content, high organic content

Anomalous Standard
160m to 2nd order stream
KTS 5032 is 500m (partly upstream) of KTS 5031

junction with small unmarked stream 82m from KTS 5035

chained from 574565E and 7116258N - water starts, not suff. seds for sample

Anomalous Standard

100m up 2nd stream above fork

Anomalous Standard??

APPENDIX VII

Acme Analytical Laboratories Certificates for Rock Samples 386801-386996 Collected by G. Sivertz and W. Raven on the Val, Vera, Rusty and KLA claims

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Manson Creek Resources Ltd. PROJECT MCK-YT-01 File # 9803211

1000 - 800 - 5th Ave S.W., Calgary AB T2P 3T6 Submitted by: G. Sivertz

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
M 386801	3	670	19450	15134	76.4	17	8	5410	4.41	129	9	<2	<2	6	80.8	1498	5	1	.20	.003	<1	6	.13	<1	<.01	<3	.04	<.01	.01	4
M 386802	19	1051	12636	2068	58.2	1	<1	24	.13	802	<8	<2	<2	11	68.5	3060	<3	10	<.01	.023	<1	4	<.01	<1	<.01	<3	.03	<.01	<.01	<2
M 386803	2	297	22452	99999	100.4	4	3	5175	4.20	79	<8	<2	<2	10	1854.4	324	3	5	.89	.014	<1	<1	.49	6	<.01	<3	.05	.01	.01	<2
M 386804	<1	101	14316	1362	63.0	<1	<1	51	.04	18	<8	<2	<2	4	13.5	1555	<3	<1	.30	.001	<1	1	.17	<1	<.01	<3	<.01	<.01	<.01	<2
M 386805	1	1073	13752	38934	58.2	1	<1	182	.15	165	<8	<2	<2	1	296.4	12368	<3	<1	.03	<.001	<1	15	.01	<1	<.01	<3	<.01	<.01	<.01	<2
M 386806	1	7557	15017	14979	59.2	4	1	92	.64	173	<8	<2	<2	1	135.2	13057	<3	<1	<.01	<.001	<1	<1	.01	<1	<.01	<3	.01	<.01	<.01	2
M 386807	4	9925	20959	99999	97.9	4	<1	13	.83	2117	<8	<2	<2	4	2570.0	10767	<3	1	.01	.003	<1	<1	<.01	9	<.01	<3	.07	<.01	.04	<2
M 386808	<1	76	21794	3661	71.7	1	<1	9075	10.02	82	<8	<2	<2	1	27.4	1165	<3	2	.05	.006	1	6	1.71	6	<.01	<3	.05	<.01	.05	<2
M 386809	<1	368	18273	6362	54.6	1	<1	2061	2.32	51	<8	<2	<2	1	51.4	2079	5	1	.13	.005	<1	2	.36	<1	<.01	<3	.05	<.01	.01	<2
M 386810	1	4172	17341	4760	65.6	1	<1	76	.23	149	<8	<2	<2	1	106.3	6465	19	<1	.01	.001	<1	<1	<.01	<1	<.01	<3	.01	<.01	<.01	3
M 386811	<1	25470	1899	5359	126.1	33	13	22959	25.81	334	<8	<2	<2	5	188.0	15581	98	7	.20	<.001	7	11	2.39	5	<.01	<3	.02	.01	.02	<2
M 386812	<1	9299	18259	4319	60.4	6	1	622	2.28	329	10	<2	<2	4	105.5	9036	44	1	.01	.004	1	3	.01	<1	<.01	<3	.02	<.01	.01	3
M 386813	<1	8954	18194	1416	53.4	4	<1	282	1.87	264	12	<2	<2	3	130.3	9340	38	1	.01	.003	1	2	.01	<1	<.01	<3	.03	<.01	.01	<2
RE M 386813	1	8727	18223	1392	48.6	4	<1	274	1.82	243	10	<2	<2	3	127.6	8943	33	1	.01	.003	1	2	.01	<1	<.01	<3	.03	<.01	<.01	<2
M 386814	3	693	12082	18183	16.6	158	78	819	1.26	436	<8	<2	2	7	82.4	35	<3	7	2.14	.026	4	43	.93	39	<.01	<3	.19	.01	.18	2
M 386815	2	613	180	34987	2.7	14	13	1028	2.16	11	<8	<2	<2	33	107.6	14	6	4	9.16	.008	2	4	4.85	108	<.01	<3	.08	.01	.05	39
M 386816	1	38	646	7309	1.2	5	1	1088	2.17	19	9	<2	<2	39	22.5	<3	<3	2	12.54	.006	4	13	5.43	12	<.01	<3	.03	.01	.01	3
M 386817	2	1778	17289	172	14.7	5	2	116	.43	21	<8	<2	<2	278	1.1	614	<3	1	.17	.001	<1	4	.08	178	<.01	<3	.05	<.01	.03	<2
M 386818	<1	637	18233	1740	47.8	<1	<1	107	.11	114	<8	<2	<2	94	17.4	563	<3	<1	2.41	.002	3	2	1.51	3	<.01	<3	.01	.01	<.01	<2
M 386819	2	20104	280	40	21.6	257	124	302	6.18	45	<8	<2	<2	3	.9	<3	<3	53	.18	<.001	<1	26	1.09	44	<.01	<3	1.33	.01	.08	<2
STANDARD C3	26	66	33	169	6.0	38	12	808	3.42	59	20	<2	22	30	25.3	18	22	84	.57	.092	19	182	.63	157	.09	20	1.99	.04	.17	16
STANDARD G-2	1	4	14	51	<.3	8	4	533	1.97	<2	<8	<2	5	74	<.2	3	<3	41	.62	.095	7	79	.59	227	.13	<3	.99	.07	.47	2

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND MASSIVE SULFIDE AND LIMTED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 31 1998 DATE REPORT MAILED: Aug 12/98 SIGNED BY C. L. D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data 1 FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Manson Creek Resources Ltd. PROJECT MCK-YT-01 File # 9803211
1000 - 800 - 5th Ave S.W., Calgary AB T2P 3T6 Submitted by: G. Sivertz

SAMPLE#	CU %	PB %	Zn %	Ag** oz/t	Au** oz/t
M 386801	.070	63.84	1.88	42.81	.001
M 386802	.110	75.61	.24	61.25	.003
M 386803	.032	31.35	22.54	13.97	.002
M 386804	.009	81.34	.14	32.83	.009
M 386805	.108	80.80	4.44	113.45	.001
M 386806	.764	81.58	1.75	56.41	.002
M 386807	1.115	29.43	28.29	21.00	.001
M 386808	.005	47.88	.45	32.02	.001
M 386809	.034	70.26	.75	54.20	.001
M 386810	.443	85.94	.57	127.46	.001
M 386811	3.002	.28	.69	244.65	.001
M 386812	.961	75.04	.48	258.26	.004
M 386813	.962	77.62	.16	209.76	.004
RE M 386813	.990	77.72	.16	212.83	.003
M 386814	-	-	-	-	.001
M 386815	-	-	-	-	<.001
M 386816	-	-	-	-	<.001
M 386817	-	-	-	-	<.001
M 386818	-	54.80	.19	3.60	<.001
M 386819	2.288	-	-	-	.006
STANDARD CPB-1/AU-1	.256	65.16	4.56	21.06	.100

.250 GM SAMPLE DIGESTED IN 75 ML AQUA - REGIA, DILUTE TO 250 ML, ANALYSIS BY ICP.
- SAMPLE TYPE: ROCK AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 31 1998 **DATE REPORT MAILED:** Aug 12/98 **SIGNED BY** C. L. ....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Manson Creek Resources Ltd. PROJECT MCK-YT-01 File # 9803586 Page 1
1000 - 800 - 5th Ave S.W., Calgary AB T2P 3T6 Submitted by: G. Sivertz

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
386820	<1	16010	28687	85285	146.9	<1	<1	1058	1.10	547	8	<2	4	10	693.0	13889	14	<1	1.43	.015	<1	<1	.76	17	<.01	<3	.03	.01	<.01	<2
386821	<1	51	27668	1217	114.2	<1	<1	2051	.88	41	<8	<2	4	39	8.9	228	<3	2	18.83	.001	1	1	9.35	8	<.01	<3	.01	.02	<.01	<2
386822	<1	23	26589	310	18.7	<1	<1	2378	1.30	442	<8	<2	4	71	4.8	8283	<3	2	17.84	.011	1	2	8.69	17	<.01	<3	.02	.02	<.01	<2
386823	<1	8	30154	248	47.2	<1	<1	1538	.91	2464	<8	<2	5	52	1.6	7322	<3	3	18.96	.004	<1	2	9.43	20	<.01	<3	.02	.02	<.01	<2
386824	2	56	606	2251	1.9	<1	4	20151	34.13	70	<8	<2	5	2	11.7	47	<3	20	.15	.041	3	<1	1.93	20	<.01	<3	.16	.01	.01	<2
386825	4	638	16634	11728	19.8	1	2	1501	2.50	531	8	<2	4	5	21.0	115	4	7	.07	.012	2	19	.04	13	<.01	4	.13	<.01	.06	4
386826	7	23002	37507	10356	212.9	11	2	755	19.36	42144	35	2	9	21	1726.6	26705	7047	44	.07	.020	4	7	.02	18	<.01	<3	.45	<.01	.14	3
386827	34	594	2092	1760	14.6	56	5	219	16.71	555	<8	<2	4	8	5.5	109	18	72	.06	.081	5	11	.04	7	<.01	4	.34	.01	.03	<2
386828	114	477	739	19781	4.6	667	157	45759	36.68	353	19	<2	7	29	32.7	30	18	137	1.17	.086	5	2	.62	17	<.01	<3	.57	.01	.03	<2
386829	4	30102	120	240	20.8	25	5	629	3.82	51	9	<2	<2	2	1.4	7	18	1	.57	.007	8	12	.12	15	<.01	<3	.10	.02	.07	<2
386830	3	640	31892	99999	39.5	28	47	4062	7.00	132	<8	<2	5	6	574.3	264	3	30	4.08	.010	3	18	1.95	4	<.01	6	.19	.01	.05	<2
386831	3	679	33781	99999	98.2	34	24	3105	3.59	108	<8	<2	4	5	738.1	406	9	12	2.86	.010	1	15	1.08	10	<.01	<3	.13	.01	.09	<2
386832	13	2290	7053	52519	4.3	52	1	3280	4.58	62	<8	<2	2	66	148.8	55	<3	30	7.32	.022	2	12	3.42	27	<.01	<3	.07	.01	.04	<2
386833	4	54347	31181	20793	172.6	15	5	88	2.02	1116	<8	<2	5	6	332.8	26796	236	3	.17	.035	2	<1	.11	21	<.01	<3	.13	.01	.08	<2
386834	1	62558	31783	27768	152.1	13	7	136	1.00	1054	<8	<2	5	4	445.7	25560	257	<1	.28	.033	1	<1	.12	12	<.01	<3	.04	.01	.03	<2
386835	17	172	262	242	4.3	75	5	148	3.06	41	9	<2	8	4	1.1	26	4	86	.17	.102	11	26	1.34	31	.01	4	1.44	.01	.23	<2
386836	3	662	30287	73446	27.1	8	40	906	1.84	26	<8	<2	6	3	297.4	57	<3	2	.03	.005	34	22	.03	18	<.01	<3	.08	.01	.04	<2
386837	3	2692	26016	24880	119.9	9	11	122	.97	48	<8	<2	4	4	125.2	430	<3	1	.02	.003	18	12	.02	26	<.01	<3	.04	.01	.02	<2
386838	4	44523	7170	35130	138.7	6	21	418	13.38	23	<8	<2	3	2	88.5	66	10	1	.06	<.001	7	9	.03	30	<.01	<3	.10	.01	.06	<2
386839	26	176	189	164	1.7	111	13	93	2.99	29	<8	<2	6	3	.8	7	3	80	.29	.119	6	21	.73	36	<.01	<3	1.08	<.01	.36	<2
386840	4	911	31828	14555	229.4	<1	59	19593	8.39	3466	<8	<2	7	4	123.2	727	6	6	.03	.008	8	11	.11	45	<.01	<3	.26	<.01	.16	<2
386841	3	31901	30561	15437	116.6	11	16	224	7.06	450	<8	<2	5	4	52.0	628	<3	2	.01	.018	3	17	.01	18	<.01	<3	.11	.02	.08	<2
386842	<1	3237	27556	4083	140.2	15	9	1574	2.56	426	<8	<2	5	10	86.0	1718	42	3	.01	.006	<1	3	.01	19	<.01	<3	.11	.01	.05	<2
386843	1	2159	31700	6981	205.7	1	5	2003	.75	10	<8	<2	5	41	23.7	295	<3	1	11.90	.003	35	10	.06	81	<.01	<3	.07	.01	.05	<2
386844	3	99999	1511	642	238.3	7	10	30	17.29	7	<8	<2	2	1	4.6	10	8	<1	.03	<.001	1	<1	<.01	37	<.01	3	.04	.02	.02	<2
386845	2	52496	33412	11153	215.4	1	21	1654	10.64	267	<8	<2	6	7	33.3	375	13	<1	1.30	.001	38	9	.40	27	<.01	<3	.17	.01	.08	<2
386846	3	12075	28161	9905	51.2	35	42	1259	8.80	309	<8	<2	5	7	34.1	66	9	1	1.23	.002	11	12	.64	23	<.01	<3	.08	.01	.05	3
386847	3	4490	30723	39232	43.3	6	51	1916	5.97	1125	<8	<2	7	6	138.5	72	4	2	1.72	.006	11	20	.61	35	<.01	<3	.13	.02	.09	<2
RE 386847	3	4515	32289	39646	43.8	7	52	1939	6.02	1147	<8	<2	6	6	142.8	76	7	2	1.76	.007	12	19	.63	35	<.01	<3	.12	.01	.08	<2
386951	<1	60	183	1561	1.1	<1	<1	2620	.72	9	<8	<2	<2	36	6.1	3	<3	1	17.86	.006	<1	1	8.81	29	<.01	<3	.02	.02	.01	<2
386952	1	1369	30985	99999	206.5	<1	<1	2221	4.58	11897	10	3	5	12	2958.6	1028	<3	1	1.35	.013	<1	<1	.67	7	<.01	<3	.05	.01	.02	<2
386953	1	17	537	1357	3.0	<1	<1	1900	1.03	214	<8	<2	<2	67	7.9	41	<3	3	17.30	.014	1	1	8.58	20	<.01	<3	.03	.02	.01	<2
386954	3	42	116	125	.6	7	<1	341	.45	10	<8	<2	<2	6	.8	3	<3	<1	1.71	.003	<1	24	1.01	12	<.01	<3	.01	.01	<.01	<2
386955	<1	591	28284	43029	284.3	<1	<1	1357	.76	55	<8	<2	4	54	258.4	492	<3	1	15.92	.020	<1	1	8.41	10	<.01	<3	.04	.01	.01	<2
386956	<1	7	118	238	.6	<1	<1	547	.30	5	<8	<2	<2	39	1.1	3	<3	2	17.61	.004	<1	2	9.00	16	<.01	<3	.02	.02	<.01	<2
STANDARD C3	26	72	37	180	5.6	40	13	807	3.46	58	23	3	22	31	24.3	20	23	84	.57	.092	20	182	.62	158	.09	22	1.95	.04	.17	14
STANDARD G-2	1	5	8	45	<.3	9	5	544	2.01	<2	<8	<2	5	72	.2	<3	<3	41	.65	.095	8	81	.61	223	.13	<3	.96	.08	.47	2

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND MASSIVE SULFIDE AND LIMTED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 21 1998 **DATE REPORT MAILED:** Sep 1/98 **SIGNED BY** ....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 Data FA

ACME ANALYTICAL

Manson Creek Resources Ltd. PROJECT MCK-YT-01 FILE # 9803586

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
386957	<1	5	304	217	2.0	1	<1	682	2.78	9	<8	<2	<2	22	1.2	<3	<3	3	17.09	.003	1	1	8.03	7	<.01	5	.04	.03	.01	<2
386958	3	15	112	34	<.3	8	<1	235	.52	<2	<8	<2	<2	50	.2	<3	<3	1	.96	.006	1	15	.50	9	<.01	<3	.06	<.01	.03	<2
RE 386958	3	14	106	33	<.3	7	<1	236	.53	<2	<8	<2	<2	51	<.2	3	<3	1	.95	.006	1	17	.49	17	<.01	<3	.06	.01	.03	<2

Sample type: ROCK. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data___ FA ____

ACME ANALYTICAL LABORATORIES LTD.   852 E. HASTINGS ST. VANCOUVER BC V6A 1R6   PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Manson Creek Resources Ltd. PROJECT MCK-YT-01 File # 9803586 Page 1
1000 - 800 - 5th Ave S.W., Calgary AB T2P 3T6 Submitted by: G. Sivertz

SAMPLE#	Cu %	Pb %	Zn %	Ag** oz/t	Au** oz/t
386820	1.567	59.44	8.36	89.02	.001
386821	.006	6.81	.14	3.79	<.001
386822	.001	2.75	.03	.64	.003
386823	.005	5.19	.03	1.48	<.001
386824	-	-	-	-	-
386825	.063	1.68	1.21	.58	<.001
386826	2.567	13.62	1.06	116.37	.006
386827	-	-	-	-	-
386828	-	-	-	-	-
386829	3.225	.02	.02	.74	.001
386830	.068	3.94	11.38	1.16	<.001
386831	.074	16.53	13.06	2.94	<.001
386832	.237	.77	5.41	.14	<.001
386833	5.592	43.65	2.00	229.91	.004
386834	7.319	60.48	3.07	222.56	.004
386835	-	-	-	-	-
386836	.067	2.81	7.22	.82	<.001
386837	.308	22.84	2.60	10.14	.002
386838	4.724	.72	3.61	4.19	.003
386839	-	-	-	-	-
386840	.086	7.63	1.36	7.84	.001
386841	3.425	5.07	1.50	3.29	.002
386842	.339	63.85	.37	12.60	.001
386843	.256	16.06	.73	6.85	.001
386844	16.419	.15	.05	7.69	.003
386845	5.774	6.68	1.10	6.31	.003
386846	1.321	2.53	.99	1.41	.003
386847	.496	2.79	3.96	1.28	.004
RE 386847	.495	2.77	3.93	1.16	.004
386951	.007	.02	.18	<.01	<.001
386952	.151	16.06	32.72	46.63	.089
386953	<.001	.07	.17	.05	<.001
386954	-	-	-	-	-
386955	.064	6.96	4.69	10.72	<.001
386956	<.001	.01	.03	.01	<.001
STANDARD GC-2/AU-1	.926	8.80	16.60	30.13	.097

.250 GM SAMPLE DIGESTED IN 30 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.
- SAMPLE TYPE: ROCK AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 21 1998 DATE REPORT MAILED: Sep 1/98 SIGNED BY. ....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

  Data___ FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL/ASSAY CERTIFICATE

Manson Creek Resources Ltd. File # 9803784
1000 - 800 - 5th Ave S.W., Calgary AB T2P 3T6 Submitted by: Bruce Evans

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Ag** oz/t	Au** oz/t
386848	2	217	74	6011	.6	48	25	526	7.45	13	9	<2	<2	10	18.0	<3	<3	140	.95	.017	1	106	2.39	17	.18	9	2.13	.02	.08	2	<.01	<.001
386849	1	76	1491	10713	7.0	7	8	20803	12.25	143	<8	<2	3	34	70.4	9	<3	7	4.95	.007	4	20	2.58	38	<.01	6	.21	.01	.13	<2	.19	<.001
386850	1	226	14890	25142	82.6	46	50	31901	18.54	11811	<8	<2	4	4	211.1	177	<3	11	.27	.005	4	28	3.49	31	<.01	<3	.15	.01	.10	<2	2.55	.001
386851	<1	40129	4386	4997	240.1	11	3	31180	27.10	197	<8	<2	5	9	32.1	257	92	20	.06	<.001	2	9	.21	144	<.01	<3	.12	<.01	.08	<2	7.17	<.001
386852	<1	110	14525	99999	1.7	49	53	12602	5.90	39	<8	<2	2	8	1702.8	32	5	13	5.42	.004	<1	26	2.66	4	<.01	8	.05	<.01	.03	<2	.18	<.001
386853	<1	9153	4697	45863	353.6	72	23	33944	33.19	525	<8	<2	6	13	615.0	3492	16	41	.68	<.001	1	20	.39	107	<.01	<3	.08	<.01	.05	<2	18.05	<.001
386854	<1	167	168	23189	4.7	43	9	52984	33.05	59	<8	4	4	10	117.1	<3	<3	11	.14	.004	6	39	.61	21	<.01	<3	.06	<.01	.05	<2	.14	<.001
386855	<1	302	13793	47801	233.1	82	67	31589	13.13	129	<8	<2	3	62	599.2	2080	<3	4	2.30	.014	4	5	.93	8	<.01	<3	.07	<.01	.03	<2	29.33	<.001
386856	<1	211	13746	77979	370.3	14	80	24482	17.29	126	<8	<2	3	19	923.0	651	<3	3	.25	.041	5	26	.16	50	<.01	7	.09	<.01	.04	<2	13.99	<.001
386857	1	241	14591	51613	134.9	12	52	56307	24.54	124	<8	<2	4	58	640.5	174	<3	4	.11	.031	6	<1	.06	33	<.01	<3	.09	<.01	.04	<2	4.71	<.001
RE 386857	1	234	14566	50564	132.0	12	51	55244	24.08	120	<8	<2	4	57	627.1	168	4	3	.11	.031	6	<1	.06	32	<.01	<3	.09	.01	.04	<2	4.84	<.001
386858	5	202	463	13576	1.0	100	20	1462	2.95	34	<8	<2	<2	4	65.6	5	3	69	.56	.039	11	42	.64	51	<.01	10	.70	.02	.12	<2	.03	<.001
386859	3	14559	116	218	46.4	33	25	426	6.87	58	9	<2	<2	1	1.3	14	7	4	.01	.005	4	19	.01	10	<.01	<3	.09	.01	.09	2	1.38	<.001
386860	3	67	43	129	.6	10	4	874	.77	3	16	<2	<2	3	.8	3	<3	1	.34	.004	2	16	.09	25	<.01	9	.05	.01	.04	<2	.02	<.001
386861	2	226	39	309	.5	9	3	1443	1.08	53	<8	<2	<2	10	1.0	9	3	1	3.58	.009	15	16	.71	16	<.01	8	.11	.01	.09	5	<.01	<.001
STANDARD C3/R-1/AU-1	25	63	38	172	5.4	35	12	744	3.25	57	<8	3	21	29	23.8	23	20	80	.54	.090	19	169	.60	152	.09	21	1.99	.04	.17	16	3.16	.097
STANDARD G-2	1	5	4	46	<.3	8	4	509	1.93	<2	<8	<2	3	76	<.2	<3	<3	41	.62	.095	9	77	.58	228	.13	10	1.01	.09	.49	3	<.01	<.001

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AG** + AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 31 1998 **DATE REPORT MAILED:** Sept 14/98 **SIGNED BY** C. Leong ....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ƒ FA ____

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Manson Creek Resources Ltd. File # 9803784R
1000 - 800 - 5th Ave S.W., Calgary AB T2P 3T6 Submitted by: Bruce Evans

SAMPLE#	Cu %	Pb %	Zn %
386849	.007	.15	1.33
386850	.021	3.42	3.42
386851	4.540	.52	.42
386852	.007	3.24	30.41
386853	.982	.61	8.63
386854	.016	.02	3.58
386855	.030	29.50	8.49
386856	.018	13.76	13.81
386857	.023	6.82	10.51
RE 386857	.024	7.00	10.76
386858	.020	.05	1.64
386859	1.490	.01	<.01
STANDARD R-1	.848	1.30	2.27

1.000 GM SAMPLE DIGESTED IN 30 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.
- SAMPLE TYPE: ROCK CHIP
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 18 1998 DATE REPORT MAILED: Sept 25/98 SIGNED BY C. L..........D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data___ FA ____

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL/ASSAY CERTIFICATE

Manson Creek Resources Ltd. PROJECT MCK-YK-01 File # 9803785

1000 - 800 - 5th Ave S.W., Calgary AB T2P 3T6 Submitted by: Bruce Evans

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Ag** oz/t	Au** oz/t
386959	<1	4	14	34	<.3	8	1	549	.42	6	<8	<2	4	22	<.2	<3	4	3	18.09	.003	<1	1	8.77	11	<.01	6	.03	.03	.01	<2	<.01	<.001
386960	<1	2	18	74	<.3	1	<1	1640	.85	5	<8	<2	4	68	<.2	<3	<3	1	18.53	.003	<1	<1	8.67	11	<.01	5	.03	.02	.01	<2	.02	<.001
386961	<1	4189	26573	44096	239.1	3	<1	297	.41	123	<8	<2	3	4	481.4	6501	7	<1	.20	.003	<1	<1	.12	5	<.01	3	.01	.01	.01	9	62.55	<.001
386962	<1	2050	31106	99999	150.9	7	4	1905	3.06	195	<8	<2	2	2	2852.6	1052	<3	1	.47	.045	1	1	.28	<1	<.01	<3	.08	.01	.01	<2	4.77	.001
386963	<1	13	904	1202	3.6	5	<1	2005	2.74	9	<8	<2	4	37	7.2	11	<3	1	17.77	.001	<1	<1	7.91	<1	<.01	<3	.02	.03	.01	<2	.10	<.001
386964	<1	5	97	515	.3	5	<1	1635	1.37	10	<8	<2	3	52	3.0	<3	<3	3	17.67	.003	<1	<1	8.37	5	<.01	3	.02	.02	.01	<2	.01	<.001
386965	<1	4	143	107	.5	5	1	2978	.99	5	<8	<2	2	52	.6	<3	3	<1	17.47	.002	<1	<1	8.29	11	<.01	<3	.01	.02	<.01	<2	<.01	<.001
386966	1	392	13753	99999	42.3	3	2	13797	6.53	668	8	<2	6	11	1480.6	1253	<3	5	7.62	.025	1	<1	3.35	24	<.01	<3	.03	.01	.01	<2	1.40	<.001
386967	<1	879	6234	99999	94.1	6	<1	7795	7.02	1025	<8	<2	2	2	2368.9	1061	<3	2	.88	.005	1	<1	.45	11	<.01	<3	.05	.01	.01	<2	3.19	.001
386968	<1	3548	29455	99999	266.8	6	<1	1823	1.79	234	<8	<2	3	4	925.2	5090	4	1	.11	<.001	<1	<1	.10	10	<.01	4	.01	<.01	<.01	<2	42.81	.001
386969	<1	8	473	532	1.7	5	<1	1495	.84	16	<8	<2	3	33	3.4	6	<3	1	17.14	.014	<1	<1	8.29	17	<.01	<3	.03	.02	.01	<2	.07	<.001
386970	<1	5	166	154	.8	2	<1	1883	1.36	9	<8	<2	3	52	.7	4	<3	1	17.24	.003	<1	<1	8.19	1	<.01	<3	.02	.02	.01	<2	.04	<.001
386971	<1	4	35	111	<.3	<1	<1	1895	.80	4	<8	<2	3	40	.6	<3	<3	1	17.83	.001	1	<1	8.47	<1	<.01	<3	.02	.02	<.01	<2	<.01	<.001
386972	<1	3	45	211	.3	2	2	2640	2.71	4	<8	<2	3	31	.8	<3	<3	3	17.62	.001	1	1	7.81	<1	<.01	<3	.01	.01	.01	<2	<.01	<.001
386973	<1	1424	32252	99999	385.4	8	1	1195	.95	70	<8	<2	5	20	1120.8	405	<3	5	7.89	.031	1	2	4.62	12	<.01	9	.15	.02	.06	<2	19.26	.002
386974	1	2103	26324	39848	230.8	5	2	135	.15	105	14	<2	2	15	275.2	3432	6	1	.19	.001	<1	1	.10	5	<.01	7	.03	.01	.02	<2	70.63	.001
386975	1	9608	27087	28606	238.7	3	<1	71	.19	543	<8	<2	<2	12	425.6	15190	<3	<1	.06	.002	<1	<1	.02	5	<.01	3	.02	.01	.01	<2	155.91	.001
386976	<1	4947	27382	47098	239.0	2	1	211	.30	184	<8	<2	2	5	351.7	6611	5	1	.30	<.001	<1	1	.18	6	<.01	10	.04	.01	.01	<2	83.97	.001
386977	<1	150	12768	68227	596.6	10	<1	44196	8.01	1706	<8	<2	9	14	298.3	2827	10	3	6.01	.002	1	3	1.82	1	<.01	<3	.02	.01	<.01	<2	18.84	<.001
386978	1	2417	31905	99999	338.9	5	<1	3119	1.97	84	10	<2	5	6	2438.2	1022	<3	3	2.89	.015	1	<1	1.68	28	<.01	6	.11	.01	.04	<2	14.86	.002
386979	<1	2926	26447	16847	198.5	2	<1	362	.58	120	<8	<2	<2	4	93.4	4923	5	<1	.81	<.001	<1	<1	.44	21	<.01	5	.01	.01	<.01	<2	81.78	<.001
386980	<1	12	997	8707	3.4	1	<1	3195	3.24	14	<8	<2	4	31	57.7	27	<3	1	15.75	.002	1	<1	6.98	1	<.01	5	.07	.02	.04	<2	.17	<.001
RE 386980	<1	12	1004	8898	3.3	<1	<1	3265	3.34	18	<8	<2	4	32	61.0	29	<3	1	16.12	.001	1	<1	7.14	11	<.01	5	.07	.02	.03	<2	.12	<.001
386981	<1	4771	7249	99999	272.4	7	<1	394	.62	102	<8	<2	<2	2	2581.2	1320	<3	2	.24	.003	1	<1	.10	49	<.01	<3	.08	.01	.03	<2	28.25	.005
386982	1	178	23743	60150	203.7	3	<1	7530	2.49	1845	<8	<2	<2	5	275.2	888	<3	2	2.37	.001	<1	3	1.01	<1	<.01	<3	.03	.01	.01	<2	5.75	.001
386983	<1	5221	32028	99999	304.8	8	3	3121	2.98	180	<8	<2	<2	11	678.7	4961	<3	<1	1.79	.026	<1	<1	1.14	10	<.01	6	.02	<.01	<.01	<2	46.82	<.001
386984	<1	144	6181	17432	38.4	1	<1	7255	3.31	41	<8	<2	6	20	55.4	128	<3	1	16.94	.013	1	<1	7.41	<1	<.01	7	.02	.02	<.01	<2	1.16	<.001
386985	<1	10348	27983	28397	225.2	7	2	453	1.06	340	<8	<2	3	21	267.9	10647	<3	<1	.22	.018	<1	<1	.11	<1	<.01	<3	.02	.01	<.01	<2	77.30	<.001
386986	<1	193	1166	99999	2.1	6	1	13576	7.19	838	<8	<2	<2	5	1770.3	64	<3	2	1.12	.004	<1	<1	.45	6	<.01	<3	.03	.01	<.01	<2	.16	<.001
STANDARD C3/R-1/AU-1	25	67	36	170	5.8	33	11	746	3.19	56	19	<2	23	28	21.7	16	24	76	.52	.087	19	157	.55	143	.08	21	1.80	.04	.16	14	2.95	.100
STANDARD G-2	1	4	<3	66	<.3	9	4	481	1.82	3	<8	<2	3	65	.5	<3	<3	36	.56	.090	7	68	.55	217	.12	6	.88	.07	.43	<2	<.01	<.001

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 HCL-HNO3-H20 AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AG** + AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 31 1998 **DATE REPORT MAILED:** Sept 14/98 **SIGNED BY** .... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Assay recommended for Cd, Sb > 1000 ppm

Data ✓ FA ____

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Manson Creek Resources Ltd. PROJECT MCK-YK-01 File # 9803785R

1000 - 800 - 5th Ave S.W., Calgary AB T2P 3T6 Submitted by: Bruce Evans

SAMPLE#	Cu %	Pb %	Zn %
386961	.423	70.62	4.76
386962	.213	4.78	42.58
386966	.044	1.56	25.46
386967	.097	.76	39.80
386968	.362	60.03	10.61
386973	.156	11.32	19.66
386974	.207	70.96	4.20
386975	.957	69.94	2.99
386976	.486	72.71	4.87
386977	.015	1.42	7.22
386978	.266	3.80	38.05
386979	.313	70.18	1.80
386981	.514	.89	47.22
386982	.017	2.24	6.21
386983	.577	44.73	13.95
386984	.015	.76	2.02
386985	1.100	68.31	3.08
386986	.022	.14	39.91
STANDARD R-1	.841	1.30	2.26

1.000 GM SAMPLE DIGESTED IN 30 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: SEP 18 1998 **DATE REPORT MAILED:** Sep 25/98 **SIGNED BY** ....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Date ____ FA ____

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL/ASSAY CERTIFICATE

Manson Creek Resources Ltd. PROJECT MCK-YT-01 File # 9803887

1000 - 800 - 5th Ave S.W., Calgary AB T2P 3T6 Submitted by: G. Sivertz

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm
386862	1	91	51955	34319	41.8	21	66	412	1.92	51	<8	<2	<2	28
386863	1	400	43075	41452	39.6	233	331	138	15.97	55	<8	<2	<2	3
386864	<1	105	224	99999	<.3	11	599	517	6.99	191	<8	<2	<2	8
386865	2	49390	88	318	36.2	28	20	222	7.88	19	<8	<2	<2	15
386866	2	516	333	377	2.3	20	40	165	4.75	86	10	<2	<2	4
386867	1	175	4999	62431	1.8	5	59	1162	1.11	60	<8	<2	<2	150
386868	<1	631	28736	14350	232.2	12	<1	45858	38.70	107	<8	<2	6	23
386869	2	1046	51041	18900	195.7	24	9	10790	13.53	472	8	<2	3	8
386870	1	937	52672	10792	184.9	4	<1	454	.55	22	<8	<2	<2	2
386871	<1	4682	66886	40667	412.7	<1	<1	14430	18.46	806	<8	<2	<2	4
386872	1	31	533	358	4.0	15	6	394	.66	7	19	<2	4	69
386873	7	6262	542	240	46.0	8	12	6964	16.35	847	11	<2	3	9
386874	<1	22817	262	189	20.5	17	43	1089	9.35	16	10	<2	<2	19
386875	1	318	36010	22123	121.3	7	7	7004	12.45	4007	<8	<2	2	7
386876	<1	493	33152	92640	28.3	15	13	16416	22.44	9507	<8	<2	2	7
386877	1	1417	849	45718	419.4	1050	112	9502	8.85	5872	<8	<2	<2	12
386878	1	1523	159	81597	326.2	3217	359	10911	8.60	9465	<8	<2	<2	9
RE 386878	1	1485	161	80059	322.4	3130	352	10696	8.41	9408	<8	<2	<2	8
386879	1	1633	18364	16540	181.7	69	50	8769	14.61	56425	14	<2	2	16
386880	<1	718	54127	48145	307.6	14	7	10859	12.91	148	<8	<2	3	8
386881	3	377	310	110	2.0	15	13	207	1.67	38	13	<2	2	6
386882	<1	99999	101	578	84.1	53	38	115	28.11	39	16	<2	4	<1
386883	21	90	681	41	1.4	9	1	10	.76	58	10	<2	6	17
386884	4	28	34	24	1.7	<1	<1	11	42.20	460	<8	<2	5	1
386885	<1	10	124	6382	<.3	7	<1	<2	51.10	723	14	<2	8	8
STANDARD C3/R-1/AU-1	24	61	37	157	4.8	35	12	728	3.09	48	27	3	21	28
STANDARD G-2	1	8	5	43	<.3	5	4	490	1.78	<2	<8	<2	3	69

SAMPLE#	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Ag** oz/t	Au** oz/t
386862	217.5	48	<3	66	10.46	.005	4	91	.68	33	.03	8	.62	.03	.06	<2	1.26	.001
386863	238.9	34	<3	47	.59	.009	<1	56	.43	19	.02	5	.44	.03	.04	<2	1.14	.002
386864	4622.7	<3	<3	17	2.71	.004	1	21	.31	5	.01	<3	.29	.02	.01	<2	.20	.005
386865	6.4	<3	<3	2	2.36	<.001	1	9	.08	18	<.01	<3	.08	.01	.01	<2	1.03	.001
386866	3.0	29	3	45	.89	.007	3	49	1.11	11	<.01	11	.86	.02	.04	6	.02	.003
386867	429.3	<3	<3	17	24.26	.006	24	6	.35	<1	<.01	3	.28	.02	.01	<2	<.01	<.001
386868	71.2	331	<3	6	.24	.010	<1	3	.26	358	<.01	<3	.06	.02	.05	<2	7.18	<.001
386869	125.9	1380	52	15	.17	.065	4	3	.07	217	<.01	5	.26	.01	.19	<2	43.38	<.001
386870	183.1	1587	5	1	.09	.002	1	3	.05	30	<.01	3	.04	.01	.03	<2	44.98	.001
386871	516.2	6520	231	2	.07	.001	<1	2	.84	11	<.01	<3	.03	.01	.01	<2	110.98	<.001
386872	2.7	15	<3	13	21.72	.021	6	14	.09	18	.07	<3	.10	.03	.04	3	.05	<.001
386873	5.0	272	<3	6	.24	.002	<1	7	.36	64	<.01	3	.03	.03	.02	2	1.49	<.001
386874	2.8	<3	<3	353	6.47	.031	6	2	1.80	24	.16	6	2.71	.04	.01	<2	.54	.001
386875	77.6	250	14	24	1.59	.005	<1	5	1.01	3	<.01	<3	.02	.02	.02	<2	3.98	<.001
386876	1201.5	122	<3	34	1.07	.014	1	4	1.25	17	<.01	<3	.13	.02	.07	<2	.86	.002
386877	197.3	1060	<3	35	6.46	.003	2	6	2.46	17	<.01	<3	.03	.01	.01	<2	14.60	.002
386878	327.0	1079	<3	29	5.09	.004	<1	18	2.00	10	<.01	<3	.04	.02	.02	<2	10.10	.005
RE 386878	323.7	1064	<3	28	5.00	.003	1	9	1.96	22	<.01	<3	.03	.01	.03	<2	10.28	.006
386879	98.3	2828	472	11	.11	.003	1	10	.61	44	<.01	7	.11	.02	.10	<2	5.34	.005
386880	242.1	844	14	23	.04	.009	<1	5	.04	37	<.01	9	.18	.02	.11	<2	14.89	<.001
386881	.5	12	<3	12	.23	.005	1	23	.52	35	<.01	<3	.55	.03	.03	2	.04	.001
386882	7.3	9	5	<1	.01	<.001	1	<1	.01	16	<.01	<3	.03	.03	<.01	<2	2.81	.002
386883	<.2	9	4	42	.04	.036	36	7	.02	67	<.01	<3	.21	.01	.23	<2	-	-
386884	4.3	<3	<3	2599	.01	.896	<1	211	<.01	22	<.01	<3	.10	.02	.01	<2	-	-
386885	8.7	12	<3	10	.10	.009	<1	<1	.01	<1	<.01	<3	.07	.03	<.01	4	-	-
STANDARD C3/R-1/AU-1	24.0	26	27	73	.50	.084	19	154	.55	155	.09	21	1.74	.04	.16	17	2.87	.096
STANDARD G-2	<.2	<3	3	36	.56	.091	8	68	.53	220	.13	<3	.87	.07	.43	3	<.01	<.001

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AG** + AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 4 1998 DATE REPORT MAILED: Sept 14/98 SIGNED BY.......... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Manson Creek Resources Ltd. PROJECT MCK-YT-01 File # 9803887R

1000 - 800 - 5th Ave S.W., Calgary AB T2P 3T6 Submitted by: G. Sivertz

SAMPLE#	Cu %	Pb %	Zn %
386862	.003	6.18	3.63
386863	.036	6.62	4.38
386864	.011	.02	40.84
386865	5.322	.01	.03
386867	.018	.53	6.94
386868	.069	2.94	1.56
386869	.103	40.53	2.03
386870	.097	63.80	1.19
386871	.491	40.28	4.46
386874	2.535	.03	.02
386875	.030	16.22	2.54
386876	.056	3.32	10.39
386877	.151	.09	5.08
386878	.154	.02	8.82
RE 386878	.149	.02	8.77
386879	.159	1.68	1.70
386880	.071	35.70	5.21
386882	25.804	.01	.04
STANDARD GC-2	.917	8.95	16.36

.250 GM SAMPLE DIGESTED IN 30 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.
- SAMPLE TYPE: ROCK PULP
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 18 1998 DATE REPORT MAILED: Sep 25/98 SIGNED BY..........D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL/ASSAY CERTIFICATE

Manson Creek Resources Ltd. PROJECT MCK-YT-01 File # 9803888

1000 - 800 - 5th Ave S.W., Calgary AB T2P 3T6 Submitted by: W. Ravcn

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Ag** oz/t	Au** oz/t
386987	<1	21	643	24811	<.3	<1	<1	31771	8.00	86	<8	2	2	32	151.4	12	<3	4	15.20	.017	<1	14	3.71	26	<.01	<3	.04	<.01	.03	<2	.04	<.001
386988	<1	236	26754	59336	99.7	14	1	48370	28.12	137	<8	<2	<2	8	318.2	246	<3	5	.93	.013	<1	<1	.92	97	<.01	<3	.04	<.01	.04	<2	3.19	<.001
386989	<1	10	9209	5719	5.7	2	1	2731	1.26	20	<8	<2	2	36	25.6	8	<3	4	16.32	.007	<1	2	9.04	7	<.01	4	.03	<.01	.03	<2	.21	.001
386990	<1	2039	26391	98473	349.5	9	2	25271	20.51	286	<8	<2	<2	1	755.5	1730	<3	6	.15	.010	<1	<1	1.66	4	<.01	<3	.01	.01	.02	<2	10.40	<.001
386991	<1	121	163	2905	1.2	3	2	3330	2.56	6	<8	<2	4	62	8.7	5	<3	7	16.74	.006	<1	2	8.85	9	<.01	<3	.02	.01	.02	<2	<.01	<.001
386992	3	15863	423	698	9.2	43	6	63	3.33	18	<8	<2	5	3	1.4	20	6	2	.06	.001	1	17	.03	19	<.01	6	.09	.01	.07	5	.27	<.001
386993	<1	85	14	72	<.3	38	18	917	4.13	2	<8	<2	7	2	<.2	<3	<3	26	.04	.027	27	27	1.50	38	<.01	4	2.39	.01	.25	2	.02	<.001
386994	<1	4726	20223	5283	368.6	2	1	23	.12	178	<8	2	<2	2	73.7	7899	6	1	<.01	<.001	<1	<1	<.01	4	<.01	3	.01	.01	.02	5	63.27	.001
RE 386994	<1	4990	50425	5755	969.7	2	1	31	.11	349	<8	2	<2	2	78.5	8404	13	1	.01	<.001	<1	2	<.01	3	<.01	5	.01	<.01	<.01	2	65.33	.001
386995	<1	7478	20393	4306	357.9	2	<1	20	.11	244	<8	<2	<2	1	71.1	13449	8	1	<.01	<.001	<1	<1	<.01	2	<.01	5	<.01	<.01	.01	2	97.59	.002
386996	1	242	24440	54068	525.3	11	4	4972	1.52	126	<8	<2	<2	18	364.6	421	<3	4	5.16	.011	<1	<1	2.83	3	<.01	4	.02	<.01	.03	<2	19.15	<.001
386997	3	53	8660	4533	113.4	19	5	118	5.08	300	<8	<2	4	8	24.0	87	<3	3	.37	.008	<1	6	.08	5	<.01	<3	.10	<.01	.02	<2	3.56	.001
386998	2	30	292	183	3.6	8	4	1962	1.61	<2	<8	<2	3	7	1.0	11	<3	4	1.33	.007	1	20	.22	21	<.01	3	.14	.01	.10	6	.06	<.001

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AG** + AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 4 1998 **DATE REPORT MAILED:** Sept 15/98 **SIGNED BY**......C.L......D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Assay Cu, Pb, Zn in progress

Data 4 FA ____

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Manson Creek Resources Ltd. PROJECT MCK-YT-01 File # 9803888R
1000 - 800 - 5th Ave S.W., Calgary AB T2P 3T6 Submitted by: W. Raven

SAMPLE#	Cu %	Pb %	Zn %
386987	.003	.07	3.44
386988	.025	9.54	9.06
386990	.204	15.97	16.71
386992	1.721	.04	.08
386994	.541	76.41	.68
386995	.823	78.36	.53
386996	.022	3.90	7.65
STANDARD R-1	.839	1.30	2.24

.250 GM SAMPLE DIGESTED IN 30 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: SEP 18 1998 **DATE REPORT MAILED:** Sep 25/98 **SIGNED BY** ....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Manson Creek Resources Ltd. PROJECT MCK-YT-01 File # 9803919

1000 - 800 - 5th Ave S.W., Calgary AB T2P 3T6 Submitted by: G. Sivertz

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Ag** oz/t	Au** oz/t
386886	<1	45894	25726	8799	305.4	24	7	1626	25.53	21499	<8	<2	3	9	316.8	28065	1051	1	.04	<.001	1	<1	.02	16	<.01	<3	.02	.01	.07	2	891.88	.008
386887	<1	60596	631	4513	396.7	34	17	3340	4.32	3369	<8	6	<2	108	40.0	35227	2890	<1	12.40	<.001	2	<1	6.14	12	<.01	<3	.01	.02	.05	<2	66.81	.206
386888	1	505	1050	66786	32.1	<1	<1	18065	17.43	59	<8	<2	4	12	293.6	92	3	5	3.82	.005	3	1	4.01	16	<.01	6	.06	.01	.10	<2	1.03	<.001
386889	2	537	228	99999	7.7	<1	2	5524	5.28	40	<8	<2	<2	14	514.9	37	4	4	6.40	.018	3	5	2.91	12	<.01	7	.07	.01	.10	<2	.22	<.001
386890	<1	17289	32920	3833	534.5	10	5	1996	1.71	1471	<8	<2	<2	27	77.2	14210	9	3	7.51	<.001	1	2	3.70	74	<.01	4	.05	.01	.07	<2	33.96	<.001
386891	2	52	74	8230	3.5	5	3	273	.52	5	<8	<2	<2	5	45.6	41	<3	2	1.13	.009	1	15	.63	675	<.01	5	.08	.01	.11	11	.09	<.001
386892	2	12793	20	1448	13.6	4	20	1947	1.63	4881	<8	<2	<2	86	12.6	770	6	3	16.00	<.001	2	2	7.10	292	<.01	<3	.06	.03	.06	<2	.45	<.001
386893	<1	59	35	73	.7	8	3	750	16.28	17	<8	<2	5	26	3.2	3	5	79	3.50	.139	15	32	1.46	457	.19	9	1.06	.02	.38	<2	.04	<.001
386894	1	14	6	23	1.1	4	4	2152	1.42	10	<8	<2	<2	60	.3	4	<3	3	18.48	.014	2	1	7.25	2486	<.01	3	.04	.02	.06	<2	.04	<.001
386895	<1	24	12	32	.6	10	7	1690	17.30	13	<8	<2	3	36	2.6	<3	4	79	4.53	.135	11	31	1.94	1543	.17	3	1.65	.02	.22	2	.03	<.001
386896	<1	173	5	65	1.0	4	4	3482	1.74	57	<8	<2	<2	55	<.2	10	<3	2	18.34	.013	2	1	6.62	2906	<.01	<3	.04	.01	.05	<2	.02	<.001
386897	2	801	6474	38772	20.9	<1	<1	3768	1.92	39	<8	<2	<2	73	195.4	567	7	5	15.12	.006	1	2	7.54	60	<.01	7	.03	.02	.06	<2	.72	.002
RE 386897	1	789	6367	38169	20.4	5	1	3705	1.89	40	<8	<2	<2	73	191.6	560	<3	5	14.86	.005	1	3	7.41	52	<.01	<3	.04	.01	.06	<2	.71	<.001
386898	17	245	35231	99999	306.5	10	4	741	2.16	2291	<8	<2	<2	84	1126.6	644	<3	3	5.32	.019	1	3	3.06	73	<.01	6	.05	.02	.06	<2	25.93	.004
386899	2	1434	581	505	2.9	11	5	1690	1.52	2	<8	<2	2	19	2.7	7	<3	5	1.05	.031	9	19	.16	39	<.01	<3	.28	.02	.16	5	.07	<.001
386900	2	437	27854	58434	184.3	2	4	12508	11.14	61	<8	<2	3	6	310.2	482	3	8	.13	.008	7	8	.46	36	<.01	10	.25	.01	.24	6	6.18	<.001
386901	2	639	37243	42206	358.1	10	6	21896	19.72	16417	<8	<2	3	32	184.7	744	<3	9	.15	.002	2	7	1.53	27	<.01	<3	.14	.01	.14	9	11.25	.005
STANDARD C3/R-1/AU-1	25	63	40	165	5.7	35	12	753	3.19	54	20	2	20	28	22.7	21	22	77	.53	.088	19	165	.58	150	.09	25	1.90	.04	.20	17	3.12	.100
STANDARD G-2	1	5	5	45	<.3	8	4	500	1.81	<2	<8	<2	3	67	<.2	<3	<3	37	.58	.092	7	69	.56	224	.12	<3	.88	.06	.59	2	-	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND MASSIVE SULFIDE AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 9 1998 **DATE REPORT MAILED:** Sept 17/98 **SIGNED BY** C. L........D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Assay Cu, Pb, Zn > 1% in progress

Data___ FA ____

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Manson Creek Resources Ltd. PROJECT MCK-YT-01 File # 9803919R
1000 - 800 - 5th Ave S.W., Calgary AB T2P 3T6 Submitted by: G. Sivertz

SAMPLE#	Cu %	Pb %	Zn %
386886	5.228	7.85	1.24
386887	7.547	.09	.55
386888	.052	.12	7.49
386889	.054	.02	11.68
386890	2.039	4.48	.42
386892	1.611	<.01	.19
386897	.092	.79	4.62
RE 386897	.090	.78	4.61
386898	.028	27.14	17.56
386900	.045	3.37	5.94
386901	.069	4.53	4.41
STANDARD R-1	.841	1.27	2.23

1.000 GM SAMPLE DIGESTED IN 30 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.
- SAMPLE TYPE: ROCK PULP
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 18 1998 DATE REPORT MAILED: Sep 24/98 SIGNED BY..........D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

APPENDIX VIII

Chemex Lab Certificates of Analysis for the North Creek Grid Soil Samples

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

A9831028

Comments: ATTN:RUCE EVANS / JENNIFER EATON

CERTIFICATE A9831028

(QJD) - MANSON CREEK RESOURCES LTD.

Project: MCK YKI
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 22-SEP-1998.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	169	Dry, sieve to -80 mesh
202	169	save reject
229	169	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
3583	169	Au ppb: Fuse 50 g sample	FA-AAS	5	10000
866	169	Fusion weight in grams	BALANCE	0.01	50.00
2118	169	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	169	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	169	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	169	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	169	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	169	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	169	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	169	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	169	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	169	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	169	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	169	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	169	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	169	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	169	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	169	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	169	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	169	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	169	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	169	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	169	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	169	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	169	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	169	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	169	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	169	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	169	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	169	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	169	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	169	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	169	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	169	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YKI
Comments: ATTN:RUCE EVANS / JENNIFER EATON

Certificate Date: 22-SEP-1998
Invoice No. : I9831028
P.O. Number :
Account : QJD

CERTIFICATE OF ANALYSIS A9831028

SAMPLE	PREP CODE		Au ppb FA+AA	fusion wt. gm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
8600N 9500E	201	202	10	50.00	0.2	2.62	18	150	0.5	< 2	0.37	< 0.5	24	67	67	4.46	< 10	< 1	0.08	20	1.23
8600N 9550E	201	202	< 5	50.00	< 0.2	1.79	18	80	< 0.5	< 2	0.10	< 0.5	10	39	17	5.30	< 10	< 1	0.09	10	0.40
8600N 9600E	201	202	< 5	50.00	0.4	2.94	20	190	0.5	< 2	0.25	0.5	22	45	52	4.02	< 10	< 1	0.13	20	0.92
8600N 9650E	201	202	< 5	50.00	0.6	1.81	18	110	0.5	< 2	1.40	1.0	15	31	75	3.31	< 10	< 1	0.10	10	0.89
8600N 9700E	201	202	< 5	50.00	0.2	2.42	10	100	1.5	< 2	0.21	1.0	26	58	95	4.68	< 10	1	0.08	40	1.01
8600N 9750E	201	202	10	50.00	0.2	2.06	20	140	1.0	< 2	0.46	0.5	19	32	44	3.43	< 10	< 1	0.08	60	0.80
8600N 9800E	201	202	< 5	30.00	0.2	1.83	26	80	< 0.5	< 2	0.12	< 0.5	16	37	49	4.52	< 10	< 1	0.09	10	0.77
8600N 9850E	201	202	< 5	50.00	0.4	2.53	18	110	0.5	< 2	0.15	1.5	18	59	52	5.04	< 10	< 1	0.08	10	0.82
8600N 9900E	201	202	< 5	30.00	0.8	2.45	30	100	0.5	< 2	0.17	2.0	22	65	69	7.06	< 10	< 1	0.06	20	0.85
8600N 10000E	201	202	< 5	50.00	1.4	1.61	14	130	0.5	< 2	0.77	0.5	16	36	37	4.13	< 10	< 1	0.07	10	0.82
8700N 9500E	201	202	< 5	50.00	0.2	2.48	172	50	0.5	< 2	0.24	< 0.5	24	57	55	6.06	< 10	< 1	0.08	10	1.42
8700N 9550E	201	202	< 5	50.00	1.4	2.28	64	190	0.5	< 2	0.59	2.0	17	46	90	3.83	< 10	< 1	0.11	10	0.99
8700N 9600E	201	202	< 5	30.00	< 0.2	2.04	64	60	< 0.5	< 2	0.12	< 0.5	11	52	24	6.55	< 10	< 1	0.06	10	0.55
8700N 9650E	201	202	< 5	30.00	0.6	2.69	34	90	0.5	< 2	0.51	0.5	22	74	63	4.84	< 10	4	0.10	10	1.22
8700N 9700E	201	202	< 5	50.00	0.6	2.63	34	160	0.5	< 2	0.84	1.5	19	69	133	4.24	< 10	< 1	0.14	20	1.36
8700N 9750E	201	202	< 5	50.00	1.0	3.13	36	160	1.5	< 2	0.68	1.5	26	56	118	4.70	< 10	< 1	0.18	30	1.29
8700N 9800E	201	202	< 5	30.00	0.2	2.90	42	110	1.5	< 2	0.17	0.5	31	50	81	5.62	< 10	< 1	0.13	40	1.39
8700N 9850E	201	202	< 5	30.00	0.6	3.63	42	180	2.0	< 2	0.54	2.0	28	56	167	5.63	< 10	3	0.17	70	1.72
8700N 9900E	201	202	< 5	50.00	1.2	2.39	30	190	1.5	< 2	1.04	2.0	22	43	150	4.10	< 10	< 1	0.12	30	0.98
8700N 9950E	201	202	< 5	50.00	0.6	2.33	26	220	0.5	< 2	0.64	2.0	15	49	60	3.93	< 10	< 1	0.12	10	0.81
8700N 10000E	201	202	< 5	50.00	0.8	2.43	22	160	0.5	< 2	0.91	2.0	20	61	90	4.34	< 10	2	0.12	10	1.07
8800N 9500E	201	202	< 5	50.00	2.8	3.21	108	80	0.5	< 2	0.11	< 0.5	16	41	46	3.57	< 10	< 1	0.07	10	0.63
8800N 9550E	201	202	< 5	50.00	2.6	2.06	218	80	0.5	< 2	0.41	3.5	21	41	191	3.74	< 10	< 1	0.07	20	1.26
8800N 9600E	201	202	< 5	50.00	< 0.2	2.19	22	50	< 0.5	< 2	0.13	< 0.5	10	38	21	4.05	< 10	< 1	0.04	< 10	0.70
8800N 9650E	201	202	< 5	50.00	0.2	1.82	50	110	0.5	< 2	0.47	2.0	21	35	64	3.58	< 10	< 1	0.07	10	0.73
8800N 9700E	201	202	< 5	50.00	< 0.2	2.28	10	130	< 0.5	< 2	0.19	0.5	14	33	20	3.24	< 10	2	0.06	10	0.69
8800N 9750E	201	202	< 5	50.00	< 0.2	2.60	44	50	0.5	< 2	0.18	< 0.5	17	57	33	6.06	< 10	< 1	0.07	10	1.23
8800N 9800E	201	202	< 5	50.00	1.8	2.81	44	120	1.5	< 2	1.15	4.0	28	52	231	4.22	< 10	1	0.16	40	1.21
8800N 9850E	201	202	< 5	30.00	0.6	2.35	142	90	0.5	< 2	0.11	< 0.5	25	61	23	8.11	10	< 1	0.09	10	0.55
8800N 9900E	201	202	< 5	50.00	0.8	2.49	92	190	1.5	< 2	1.02	4.5	18	38	193	3.74	< 10	< 1	0.12	40	0.73
8800N 9950E	201	202	< 5	50.00	< 0.2	1.24	16	110	< 0.5	< 2	0.50	2.0	8	26	20	2.40	< 10	< 1	0.07	10	0.39
8800N 10000E	201	202	< 5	50.00	< 0.2	1.57	50	100	< 0.5	< 2	0.82	3.5	18	45	62	3.36	< 10	< 1	0.09	10	0.66
8900N 9500E	201	202	< 5	50.00	0.6	2.56	48	150	0.5	< 2	0.18	< 0.5	15	36	21	3.42	< 10	2	0.07	10	0.61
8900N 9550E	201	202	< 5	50.00	0.6	2.43	46	170	0.5	< 2	0.26	0.5	18	38	32	3.50	< 10	< 1	0.08	10	0.51
8900N 9600E	201	202	< 5	30.00	0.8	1.77	122	100	0.5	< 2	0.73	4.5	17	34	106	3.39	< 10	1	0.08	10	0.78
8900N 9650E	201	202	< 5	50.00	< 0.2	1.59	6	70	< 0.5	< 2	0.14	< 0.5	5	23	11	3.02	< 10	< 1	0.04	10	0.26
8900N 9700E	201	202	< 5	50.00	< 0.2	0.69	4	50	< 0.5	< 2	0.05	< 0.5	2	12	8	1.14	< 10	1	0.04	10	0.08
8900N 9750E	201	202	< 5	15.00	0.2	3.18	198	60	1.5	< 2	0.27	1.5	36	60	45	6.30	< 10	< 1	0.06	10	1.13
8900N 9800E	201	202	< 5	50.00	0.4	2.01	34	110	0.5	< 2	0.71	5.0	19	37	128	3.41	< 10	2	0.07	10	1.00
8900N 9850E	201	202	< 5	50.00	< 0.2	1.98	52	80	0.5	< 2	0.24	0.5	19	32	22	3.23	< 10	< 1	0.07	10	0.87

CERTIFICATION:

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YKI
Comments: ATTN:RUCE EVANS / JENNIFER EATON

Certificate Date: 22-SEP-1998
Invoice No. :19831028
P.O. Number :
Account :QJD

CERTIFICATE OF ANALYSIS A9831028

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
8600N 9500E	201	202	1285	< 1	< 0.01	41	310	172	2	9	17	0.06	< 10	< 10	73	< 10	560
8600N 9550E	201	202	890	3	< 0.01	15	380	64	< 2	4	10	0.07	< 10	< 10	89	< 10	174
8600N 9600E	201	202	795	2	< 0.01	40	400	68	< 2	6	20	0.06	< 10	< 10	65	< 10	436
8600N 9650E	201	202	870	3	< 0.01	28	910	96	2	7	31	0.04	< 10	< 10	47	< 10	396
8600N 9700E	201	202	1295	1	< 0.01	32	800	208	2	10	13	0.05	< 10	< 10	73	< 10	746
8600N 9750E	201	202	595	3	< 0.01	26	490	254	< 2	4	22	0.05	< 10	< 10	56	< 10	892
8600N 9800E	201	202	795	2	< 0.01	29	360	144	2	4	11	0.04	< 10	< 10	71	< 10	514
8600N 9850E	201	202	805	1	< 0.01	37	240	164	< 2	7	12	0.04	< 10	< 10	82	< 10	750
8600N 9900E	201	202	1605	1	< 0.01	31	310	166	4	10	8	0.02	< 10	< 10	110	< 10	740
8600N 10000E	201	202	1260	1	< 0.01	27	610	190	< 2	8	17	0.02	< 10	< 10	50	< 10	556
8700N 9500E	201	202	795	1	< 0.01	40	370	202	< 2	5	11	0.09	< 10	< 10	83	< 10	802
8700N 9550E	201	202	890	1	< 0.01	33	680	272	2	9	21	0.03	< 10	< 10	59	< 10	738
8700N 9600E	201	202	525	< 1	< 0.01	22	350	82	< 2	4	9	0.09	< 10	< 10	95	< 10	282
8700N 9650E	201	202	600	1	< 0.01	38	350	152	< 2	5	17	0.07	< 10	< 10	90	< 10	522
8700N 9700E	201	202	880	1	< 0.01	50	500	132	< 2	12	24	0.06	< 10	< 10	69	< 10	708
8700N 9750E	201	202	815	1	< 0.01	50	750	148	< 2	12	23	0.05	< 10	< 10	71	< 10	1110
8700N 9800E	201	202	1020	3	< 0.01	32	370	136	2	6	12	0.05	< 10	< 10	82	< 10	776
8700N 9850E	201	202	1030	1	< 0.01	55	660	230	< 2	12	20	0.02	< 10	< 10	71	< 10	2090
8700N 9900E	201	202	1010	1	< 0.01	37	1210	204	< 2	10	28	0.03	< 10	< 10	56	< 10	904
8700N 9950E	201	202	820	1	< 0.01	29	750	180	< 2	9	23	0.04	< 10	< 10	64	< 10	1100
8700N 10000E	201	202	1225	1	< 0.01	37	720	256	< 2	13	22	0.04	< 10	< 10	70	< 10	1115
8800N 9500E	201	202	420	< 1	< 0.01	34	330	134	< 2	4	10	0.05	< 10	< 10	49	< 10	944
8800N 9550E	201	202	890	1	< 0.01	48	430	284	4	10	14	0.07	< 10	< 10	57	< 10	2070
8800N 9600E	201	202	410	1	< 0.01	20	300	78	< 2	3	8	0.08	< 10	< 10	74	< 10	296
8800N 9650E	201	202	790	1	< 0.01	23	540	144	< 2	5	14	0.04	< 10	< 10	56	< 10	514
8800N 9700E	201	202	345	2	< 0.01	27	180	44	< 2	3	13	0.06	< 10	< 10	52	< 10	508
8800N 9750E	201	202	535	2	< 0.01	35	280	122	< 2	4	10	0.10	< 10	< 10	80	< 10	494
8800N 9800E	201	202	845	3	< 0.01	52	960	230	< 2	13	27	0.04	< 10	< 10	62	< 10	2360
8800N 9850E	201	202	1380	4	< 0.01	21	540	142	2	4	9	0.08	< 10	< 10	101	< 10	456
8800N 9900E	201	202	1075	2	< 0.01	31	1450	318	< 2	11	28	0.04	< 10	< 10	57	< 10	1040
8800N 9950E	201	202	340	2	< 0.01	13	200	28	< 2	3	18	0.06	< 10	< 10	61	< 10	292
8800N 10000E	201	202	975	1	< 0.01	21	610	106	< 2	5	20	0.05	< 10	< 10	63	< 10	774
8900N 9500E	201	202	510	1	< 0.01	25	220	114	< 2	4	13	0.07	< 10	< 10	66	< 10	396
8900N 9550E	201	202	990	< 1	< 0.01	19	190	138	< 2	4	17	0.07	< 10	< 10	78	< 10	1030
8900N 9600E	201	202	800	1	< 0.01	30	650	188	2	8	18	0.03	< 10	< 10	49	< 10	2320
8900N 9650E	201	202	150	1	< 0.01	11	180	20	< 2	1	9	0.05	< 10	< 10	59	< 10	174
8900N 9700E	201	202	60	1	< 0.01	4	70	14	2	1	6	0.05	< 10	< 10	58	< 10	32
8900N 9750E	201	202	1290	1	< 0.01	45	570	480	< 2	5	9	0.07	< 10	< 10	67	< 10	876
8900N 9800E	201	202	825	1	< 0.01	37	510	148	< 2	6	19	0.06	< 10	< 10	55	< 10	1165
8900N 9850E	201	202	460	2	< 0.01	24	150	94	< 2	3	15	0.06	< 10	< 10	57	< 10	1030

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: MANSON CREEK RESOURCES LTD.

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CALGARY, AB
T2P 3T6

Project : MCK YKI
Comments: ATTN:RUCE EVANS / JENNIFER EATON

Certificate Date: 22-SEP-1998
Invoice No. :19831028
P.O. Number :
Account :QJD

CERTIFICATE OF ANALYSIS A9831028

SAMPLE	PREP CODE		Au ppb FA+AA	fusion wt. gm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
8900N 9900E	201	202	< 5	50.00	1.0	2.17	40	140	1.0	< 2	1.08	5.0	19	39	250	3.40	< 10	1	0.09	30	0.78
8900N 9950E	201	202	< 5	50.00	0.2	3.02	8	90	< 0.5	< 2	0.35	1.5	29	77	51	4.67	< 10	< 1	0.06	< 10	1.22
9500N 9500E	201	202	< 5	50.00	0.8	1.86	20	100	0.5	< 2	1.66	6.5	18	30	194	3.42	< 10	1	0.09	10	0.89
9500N 9550E	201	202	< 5	50.00	1.4	1.86	36	120	0.5	< 2	1.38	2.5	17	28	216	3.20	< 10	< 1	0.08	10	0.72
9500N 9600E	201	202	< 5	50.00	0.4	2.26	36	80	0.5	< 2	0.58	0.5	19	34	84	4.67	< 10	2	0.10	10	1.11
9500N 9650E	201	202	< 5	30.00	0.6	1.47	26	140	0.5	< 2	0.83	1.5	7	22	120	3.06	< 10	< 1	0.06	20	0.42
9500N 9700E	201	202	< 5	50.00	1.4	1.81	24	140	0.5	< 2	1.53	2.0	19	28	268	3.21	< 10	2	0.07	10	0.71
9500N 9750E	201	202	< 5	50.00	0.2	1.99	20	110	0.5	< 2	0.82	0.5	21	26	74	4.14	< 10	< 1	0.16	20	1.19
9500N 9800E	201	202	< 5	30.00	< 0.2	1.32	34	70	< 0.5	< 2	0.10	< 0.5	9	24	33	4.39	< 10	2	0.05	10	0.42
9500N 9850E	201	202	< 5	50.00	0.8	1.90	54	80	0.5	< 2	0.77	6.5	28	32	489	3.74	< 10	< 1	0.06	10	0.73
9500N 9900E	201	202	< 5	50.00	0.2	2.29	36	80	0.5	< 2	0.13	0.5	24	44	41	4.80	< 10	< 1	0.05	< 10	0.99
9500N 9950E	201	202	< 5	30.00	0.6	1.19	76	60	< 0.5	< 2	2.20	5.0	10	20	186	2.24	< 10	< 1	0.06	< 10	0.64
9500N 10000E	201	202	< 5	30.00	< 0.2	1.25	24	50	< 0.5	< 2	0.09	< 0.5	7	36	13	4.48	< 10	< 1	0.04	10	0.32
9500N 10050E	201	202	< 5	30.00	0.6	1.65	28	100	0.5	< 2	1.36	2.0	18	31	131	4.09	< 10	1	0.09	10	0.84
9500N 10100E	201	202	< 5	50.00	0.8	1.80	38	120	0.5	< 2	1.56	2.5	19	31	176	3.64	< 10	< 1	0.11	10	0.76
9500N 10150E	201	202	< 5	30.00	0.4	1.83	60	110	0.5	< 2	0.95	2.0	20	35	70	4.43	< 10	< 1	0.11	10	0.81
9500N 10200E	201	202	< 5	30.00	0.6	1.75	26	100	0.5	< 2	2.36	3.5	13	28	208	2.97	< 10	2	0.14	10	0.90
9500N 10250E	201	202	< 5	30.00	0.8	1.77	30	90	< 0.5	< 2	2.40	2.5	13	24	95	2.71	< 10	< 1	0.09	< 10	0.70
9500N 10300E	201	202	< 5	50.00	0.2	1.95	30	130	0.5	< 2	0.89	3.0	23	31	79	3.94	< 10	< 1	0.08	10	0.60
9500N 10350E	201	202	< 5	50.00	< 0.2	1.89	28	160	< 0.5	< 2	0.28	< 0.5	9	32	146	3.06	< 10	< 1	0.07	10	0.48
9500N 10400E	201	202	< 5	15.00	0.6	1.22	30	100	0.5	< 2	3.02	3.5	15	16	143	2.68	< 10	1	0.05	10	0.69
9500N 10450E	201	202	< 5	30.00	0.2	1.37	22	110	< 0.5	< 2	0.53	< 0.5	9	21	47	3.60	< 10	1	0.06	10	0.36
9500N 10500E	201	202	< 5	50.00	< 0.2	2.62	16	120	< 0.5	< 2	0.14	< 0.5	12	41	45	3.28	< 10	< 1	0.05	10	0.45
9600N 9500E	201	202	< 5	30.00	0.6	1.45	22	90	< 0.5	< 2	2.15	4.5	14	21	112	2.76	< 10	1	0.07	< 10	0.78
9600N 9550E	201	202	< 5	30.00	< 0.2	1.60	32	60	< 0.5	< 2	0.16	< 0.5	12	29	32	4.41	< 10	1	0.06	10	0.57
9600N 9600E	201	202	< 5	50.00	1.2	1.79	46	70	< 0.5	< 2	1.22	1.5	20	27	93	3.90	< 10	< 1	0.06	< 10	1.11
9600N 9650E	201	202	40	30.00	0.2	2.37	50	20	0.5	< 2	0.34	0.5	22	58	91	5.49	< 10	< 1	0.03	< 10	1.22
9600N 9700E	201	202	10	30.00	0.2	1.95	22	170	0.5	< 2	0.27	1.0	18	30	42	4.20	< 10	< 1	0.05	10	0.48
9600N 9750E	201	202	5	30.00	< 0.2	1.34	42	30	< 0.5	< 2	0.09	< 0.5	16	33	54	5.18	< 10	< 1	0.04	< 10	0.39
9600N 9800E	201	202	< 5	30.00	0.6	1.75	24	100	0.5	< 2	1.50	3.0	14	30	127	3.37	< 10	< 1	0.11	10	1.17
9600N 9850E	201	202	< 5	50.00	0.6	1.69	44	70	0.5	< 2	1.28	1.5	19	37	72	3.91	< 10	< 1	0.06	10	0.84
9600N 9900E	201	202	< 5	30.00	0.4	1.90	32	70	0.5	< 2	1.32	2.0	24	56	115	4.05	< 10	1	0.07	10	1.22
9600N 9950E	201	202	< 5	30.00	0.6	2.03	40	80	0.5	< 2	1.15	2.5	23	53	97	4.08	< 10	< 1	0.08	< 10	1.09
9600N 10000E	201	202	< 5	50.00	< 0.2	1.77	26	50	< 0.5	< 2	0.30	< 0.5	13	45	20	6.13	< 10	< 1	0.04	< 10	0.60
9600N 10050E	201	202	< 5	30.00	0.2	1.80	58	60	< 0.5	< 2	0.80	4.0	24	48	90	4.11	< 10	< 1	0.06	< 10	1.07
9600N 10100E	201	202	< 5	30.00	< 0.2	1.55	32	90	0.5	< 2	0.66	1.5	20	38	45	5.34	< 10	< 1	0.06	10	0.60
9600N 10150E	201	202	< 5	50.00	0.4	1.67	20	100	< 0.5	< 2	1.23	0.5	12	32	96	3.10	< 10	< 1	0.06	10	0.70
9600N 10200E	201	202	< 5	50.00	< 0.2	1.48	32	90	< 0.5	< 2	0.56	0.5	16	38	45	4.55	< 10	< 1	0.05	< 10	0.57
9600N 10250E	201	202	< 5	30.00	0.4	1.50	28	100	< 0.5	< 2	2.50	1.5	17	26	137	2.72	< 10	2	0.07	< 10	0.80
9600N 10300E	201	202	< 5	15.00	0.4	1.10	22	90	< 0.5	< 2	3.09	4.0	12	18	211	1.99	< 10	1	0.06	< 10	0.64

CERTIFICATION:

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CERTIFICATE OF ANALYSIS A9831028

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
8900N 9900E	201	202	835	2	< 0.01	34	1070	156	< 2	8	26	0.05	< 10	< 10	53	< 10	1180
8900N 9950E	201	202	810	< 1	< 0.01	46	220	160	< 2	6	14	0.10	< 10	< 10	100	< 10	592
9500N 9500E	201	202	815	2	< 0.01	32	770	160	< 2	6	33	0.04	< 10	< 10	53	< 10	1525
9500N 9550E	201	202	920	2	< 0.01	35	640	136	2	7	28	0.04	< 10	< 10	55	< 10	834
9500N 9600E	201	202	1445	1	< 0.01	35	350	162	< 2	7	12	0.06	< 10	< 10	82	< 10	592
9500N 9650E	201	202	455	1	< 0.01	15	510	62	< 2	4	17	0.05	< 10	< 10	69	< 10	350
9500N 9700E	201	202	1110	1	< 0.01	37	1070	138	< 2	8	30	0.04	< 10	< 10	49	< 10	534
9500N 9750E	201	202	1200	1	< 0.01	40	420	92	2	7	17	0.03	< 10	< 10	53	< 10	350
9500N 9800E	201	202	365	1	< 0.01	15	210	70	< 2	3	7	0.08	< 10	< 10	122	< 10	310
9500N 9850E	201	202	1170	1	< 0.01	34	660	184	2	7	17	0.03	< 10	< 10	52	< 10	1760
9500N 9900E	201	202	675	3	< 0.01	40	310	90	< 2	4	5	0.03	< 10	< 10	71	< 10	504
9500N 9950E	201	202	520	1	< 0.01	21	890	112	< 2	5	28	0.01	< 10	< 10	31	< 10	1415
9500N 10000E	201	202	365	1	< 0.01	12	310	44	< 2	2	7	0.10	< 10	< 10	117	< 10	162
9500N 10050E	201	202	975	2	< 0.01	39	720	200	2	7	22	0.03	< 10	< 10	47	< 10	666
9500N 10100E	201	202	950	1	< 0.01	39	900	130	4	7	26	0.03	< 10	< 10	47	< 10	574
9500N 10150E	201	202	1260	1	< 0.01	37	580	208	2	8	20	0.04	< 10	< 10	55	< 10	716
9500N 10200E	201	202	480	2	< 0.01	34	780	106	< 2	7	34	0.03	< 10	< 10	43	< 10	884
9500N 10250E	201	202	820	1	< 0.01	20	720	218	< 2	7	35	0.01	< 10	< 10	43	< 10	750
9500N 10300E	201	202	645	1	< 0.01	43	390	132	< 2	4	21	0.05	< 10	< 10	53	< 10	638
9500N 10350E	201	202	295	2	< 0.01	27	340	92	< 2	3	17	0.04	< 10	< 10	57	< 10	502
9500N 10400E	201	202	850	1	< 0.01	36	1000	90	2	4	42	0.02	< 10	< 10	37	< 10	366
9500N 10450E	201	202	360	3	< 0.01	22	370	56	< 2	3	15	0.06	< 10	< 10	63	< 10	194
9500N 10500E	201	202	230	< 1	< 0.01	32	160	98	< 2	3	13	0.06	< 10	< 10	62	< 10	296
9600N 9500E	201	202	750	2	< 0.01	26	670	102	< 2	4	44	0.03	< 10	< 10	43	< 10	912
9600N 9550E	201	202	485	1	< 0.01	15	280	96	< 2	3	9	0.10	< 10	< 10	121	< 10	296
9600N 9600E	201	202	1330	1	< 0.01	29	510	170	< 2	7	25	0.06	< 10	< 10	74	< 10	688
9600N 9650E	201	202	655	2	< 0.01	44	190	172	< 2	5	8	0.07	< 10	< 10	91	< 10	574
9600N 9700E	201	202	980	1	< 0.01	26	620	104	< 2	3	13	0.04	< 10	< 10	58	< 10	496
9600N 9750E	201	202	830	3	< 0.01	20	330	88	< 2	3	5	0.10	< 10	< 10	162	< 10	334
9600N 9800E	201	202	595	1	< 0.01	33	620	100	< 2	6	24	0.03	< 10	< 10	47	< 10	1125
9600N 9850E	201	202	895	< 1	< 0.01	41	500	128	< 2	7	21	0.05	< 10	< 10	55	< 10	622
9600N 9900E	201	202	1570	1	< 0.01	48	500	158	< 2	8	20	0.07	< 10	< 10	69	< 10	688
9600N 9950E	201	202	1150	1	< 0.01	47	640	162	< 2	7	19	0.06	< 10	< 10	67	< 10	686
9600N 10000E	201	202	625	1	< 0.01	24	370	84	< 2	3	8	0.08	< 10	< 10	92	< 10	290
9600N 10050E	201	202	1280	2	< 0.01	42	530	154	2	7	14	0.06	< 10	< 10	62	< 10	1140
9600N 10100E	201	202	1815	3	< 0.01	34	550	198	2	6	13	0.04	< 10	< 10	59	< 10	536
9600N 10150E	201	202	455	1	< 0.01	31	570	74	< 2	5	20	0.04	< 10	< 10	46	< 10	450
9600N 10200E	201	202	550	3	< 0.01	29	500	114	< 2	4	12	0.04	< 10	< 10	70	< 10	426
9600N 10250E	201	202	555	1	< 0.01	27	680	192	2	5	33	0.02	< 10	< 10	43	< 10	888
9600N 10300E	201	202	670	1	< 0.01	28	900	74	< 2	3	38	0.01	< 10	< 10	26	< 10	874

CERTIFICATION: ____________

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YKI
Comments: ATTN:RUCE EVANS / JENNIFER EATON

Page Number :3-A
Total Pages :5
Certificate Date: 22-SEP-1998
Invoice No. : I9831028
P.O. Number :
Account :QJD

CERTIFICATE OF ANALYSIS A9831028

SAMPLE	PREP CODE		Au ppb FA+AA	fusion wt. gm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
9600N 10350E	201	202	< 5	50.00	< 0.2	1.99	30	130	0.5	< 2	1.26	0.5	20	31	146	3.89	< 10	1	0.11	10	0.75
9600N 10400E	201	202	< 5	30.00	0.2	1.75	24	80	< 0.5	< 2	0.21	0.5	16	70	59	4.87	< 10	< 1	0.06	10	0.58
9600N 10450E	201	202	< 5	30.00	0.6	1.77	148	160	1.5	< 2	1.11	3.0	42	101	204	7.09	< 10	< 1	0.15	< 10	0.77
9600N 10500E	201	202	< 5	50.00	0.8	1.84	54	140	0.5	< 2	1.89	5.5	20	45	264	5.45	< 10	< 1	0.08	20	1.11
9700N 9500E	201	202	< 5	30.00	1.0	1.60	22	110	0.5	< 2	2.40	2.5	15	22	121	2.98	< 10	< 1	0.06	< 10	0.78
9700N 9550E	201	202	< 5	50.00	0.8	1.84	18	90	< 0.5	< 2	1.50	2.5	13	27	85	3.08	< 10	< 1	0.09	10	0.95
9700N 9600E	201	202	< 5	50.00	0.6	1.88	14	100	0.5	< 2	1.81	4.5	14	30	119	3.41	< 10	3	0.11	10	1.00
9700N 9650E	201	202	< 5	50.00	0.2	2.19	28	70	0.5	< 2	0.37	< 0.5	17	40	99	4.14	< 10	1	0.06	10	1.07
9700N 9700E	201	202	< 5	50.00	< 0.2	1.54	10	80	< 0.5	< 2	0.10	< 0.5	6	29	29	3.83	< 10	2	0.06	10	0.33
9700N 9750E	201	202	< 5	30.00	0.6	1.54	22	90	< 0.5	< 2	1.93	8.5	14	27	165	2.85	< 10	2	0.07	10	0.75
9700N 9800E	201	202	< 5	50.00	< 0.2	1.96	16	140	< 0.5	< 2	0.33	< 0.5	19	39	51	3.88	< 10	1	0.06	10	0.95
9700N 9850E	201	202	< 5	50.00	0.2	2.17	20	60	< 0.5	< 2	0.28	< 0.5	23	38	167	4.53	< 10	< 1	0.06	10	1.02
9700N 9900E	201	202	< 5	15.00	0.4	2.81	42	90	0.5	< 2	0.63	2.5	36	54	72	6.17	< 10	< 1	0.06	10	0.95
9700N 9950E	201	202	< 5	30.00	0.4	2.23	40	100	0.5	< 2	0.35	0.5	27	43	59	5.51	< 10	< 1	0.04	10	0.82
9700N 10000E	201	202	< 5	30.00	0.6	1.32	38	80	< 0.5	< 2	2.07	3.5	13	24	225	2.68	< 10	< 1	0.06	< 10	0.65
9700N 10050E	201	202	< 5	50.00	0.6	1.53	32	80	0.5	< 2	1.23	1.5	20	28	152	3.99	< 10	< 1	0.05	10	0.73
9700N 10100E	201	202	< 5	15.00	0.8	1.29	40	100	< 0.5	< 2	2.88	3.5	18	21	185	2.40	< 10	< 1	0.06	< 10	0.62
9700N 10150E	201	202	< 5	15.00	0.6	1.44	54	90	0.5	< 2	2.32	3.0	15	24	246	2.80	< 10	< 1	0.07	10	0.66
9700N 10200E	201	202	< 5	50.00	0.4	1.69	32	100	0.5	< 2	1.25	2.5	22	30	91	3.85	< 10	< 1	0.09	10	0.72
9700N 10250E	201	202	< 5	30.00	0.2	1.58	30	100	0.5	< 2	1.45	3.0	20	28	157	3.54	< 10	< 1	0.08	10	0.66
9700N 10300E	201	202	< 5	15.00	0.6	0.87	22	80	< 0.5	< 2	3.60	3.0	10	15	111	2.12	< 10	1	0.04	< 10	0.58
9700N 10350E	201	202	< 5	30.00	0.8	2.07	32	100	0.5	< 2	1.82	2.5	19	44	187	4.31	< 10	< 1	0.11	10	1.04
9700N 10400E	201	202	< 5	50.00	0.6	1.46	70	90	0.5	< 2	1.22	2.0	44	31	106	5.05	< 10	1	0.07	10	0.72
9700N 10450E	201	202	< 5	50.00	< 0.2	2.02	20	90	0.5	< 2	0.68	0.5	15	40	115	3.64	< 10	1	0.09	10	0.81
9700N 10500E	201	202	< 5	30.00	0.4	1.95	60	120	0.5	< 2	1.62	3.5	21	34	237	3.68	< 10	2	0.09	10	0.83
9800N 9500E	201	202	< 5	30.00	0.6	1.89	12	100	0.5	< 2	2.05	2.5	16	26	74	3.20	< 10	1	0.12	10	1.09
9800N 9550E	201	202	< 5	50.00	0.2	1.86	2	110	0.5	< 2	1.39	1.5	15	25	57	3.60	< 10	< 1	0.16	10	1.10
9800N 9600E	201	202	< 5	50.00	0.2	2.08	12	120	0.5	< 2	0.80	< 0.5	15	31	61	3.71	< 10	< 1	0.15	10	1.02
9800N 9650E	201	202	< 5	30.00	0.6	1.95	24	120	0.5	< 2	1.81	8.5	18	29	150	3.55	< 10	< 1	0.12	10	0.98
9800N 9700E	201	202	< 5	50.00	0.6	2.05	34	90	0.5	< 2	0.77	0.5	18	39	123	4.24	< 10	< 1	0.11	10	1.08
9800N 9800E	201	202	< 5	30.00	0.6	1.64	20	100	< 0.5	< 2	1.87	4.5	15	30	108	3.28	< 10	< 1	0.09	10	0.98
9800N 9850E	201	202	< 5	50.00	0.8	1.92	28	100	0.5	< 2	0.94	0.5	18	30	130	3.96	< 10	1	0.14	10	1.22
9800N 9900E	201	202	< 5	50.00	0.6	1.91	18	130	0.5	< 2	1.52	< 0.5	15	31	176	3.30	< 10	< 1	0.09	10	0.85
9800N 9950E	201	202	< 5	25.00	0.6	2.11	38	60	0.5	< 2	0.72	0.5	25	47	340	4.39	< 10	2	0.07	10	1.18
9800N 10000E	201	202	< 5	50.00	0.6	2.04	30	110	0.5	< 2	0.52	0.5	19	40	206	3.61	< 10	< 1	0.08	10	0.95
9800N 10050E	201	202	< 5	50.00	0.2	2.15	34	50	0.5	< 2	0.41	0.5	25	56	185	4.35	< 10	< 1	0.07	10	0.97
9800N 10100E	201	202	< 5	50.00	0.8	1.77	8	170	0.5	< 2	1.84	2.5	15	28	176	2.94	< 10	< 1	0.07	10	0.57
9800N 10150E	201	202	< 5	30.00	0.6	1.69	54	110	0.5	< 2	2.17	3.5	17	28	265	3.27	< 10	< 1	0.09	10	0.82
9800N 10200E	201	202	< 5	25.00	0.6	2.16	16	130	0.5	< 2	1.37	1.0	18	39	216	3.62	< 10	< 1	0.10	10	0.78
9800N 10250E	201	202	< 5	50.00	0.4	1.94	18	120	0.5	< 2	1.25	1.5	14	36	280	2.96	< 10	3	0.11	10	0.80

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YKI
Comments: ATTN:RUCE EVANS / JENNIFER EATON

Certificate Date: 22-SEP-1998
Invoice No. : I9831028
P.O. Number :
Account :QJD

CERTIFICATE OF ANALYSIS A9831028

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
9600N 10350E	201	202	830	3	< 0.01	39	860	148	< 2	6	27	0.05	< 10	< 10	53	< 10	696
9600N 10400E	201	202	630	2	< 0.01	27	390	142	< 2	4	11	0.06	< 10	< 10	94	< 10	342
9600N 10450E	201	202	5190	4	< 0.01	123	440	140	< 2	35	21	< 0.01	< 10	< 10	68	< 10	692
9600N 10500E	201	202	3130	4	< 0.01	68	740	148	< 2	9	27	0.03	< 10	< 10	46	< 10	920
9700N 9500E	201	202	1020	2	< 0.01	29	980	96	6	4	44	0.03	< 10	< 10	46	< 10	464
9700N 9550E	201	202	425	1	< 0.01	25	710	104	2	6	30	0.05	< 10	< 10	56	< 10	590
9700N 9600E	201	202	615	2	< 0.01	33	740	126	2	7	34	0.05	< 10	< 10	55	< 10	1500
9700N 9650E	201	202	935	1	< 0.01	42	300	118	< 2	6	10	0.07	< 10	< 10	72	< 10	470
9700N 9700E	201	202	295	1	< 0.01	17	230	32	< 2	2	10	0.06	< 10	< 10	80	< 10	144
9700N 9750E	201	202	775	1	< 0.01	32	820	120	< 2	5	31	0.03	< 10	< 10	43	< 10	1660
9700N 9800E	201	202	1040	1	< 0.01	31	520	88	< 2	5	11	0.06	< 10	< 10	67	< 10	364
9700N 9850E	201	202	1075	< 1	< 0.01	33	200	100	< 2	5	10	0.09	< 10	< 10	93	< 10	500
9700N 9900E	201	202	2090	2	< 0.01	60	760	332	2	7	11	0.03	< 10	< 10	63	< 10	734
9700N 9950E	201	202	1435	3	< 0.01	47	380	226	2	6	9	0.03	< 10	< 10	66	< 10	686
9700N 10000E	201	202	895	1	< 0.01	27	880	76	2	4	25	0.01	< 10	< 10	33	< 10	772
9700N 10050E	201	202	750	2	< 0.01	48	680	154	2	5	18	0.03	< 10	< 10	43	< 10	608
9700N 10100E	201	202	1265	2	< 0.01	30	860	88	< 2	3	32	0.02	< 10	< 10	32	< 10	722
9700N 10150E	201	202	865	1	< 0.01	34	890	104	< 2	5	28	0.02	< 10	< 10	37	< 10	952
9700N 10200E	201	202	990	2	< 0.01	39	880	130	< 2	6	20	0.03	< 10	< 10	48	< 10	672
9700N 10250E	201	202	775	3	< 0.01	44	680	120	< 2	5	23	0.03	< 10	< 10	44	< 10	1015
9700N 10300E	201	202	675	1	< 0.01	25	890	70	< 2	2	36	0.01	< 10	< 10	22	< 10	426
9700N 10350E	201	202	955	1	< 0.01	46	860	190	2	9	26	0.03	< 10	< 10	59	< 10	972
9700N 10400E	201	202	1610	3	< 0.01	46	660	232	< 2	7	18	0.03	< 10	< 10	45	< 10	580
9700N 10450E	201	202	415	2	< 0.01	41	200	76	< 2	4	17	0.04	< 10	< 10	51	< 10	728
9700N 10500E	201	202	1270	2	< 0.01	49	770	198	< 2	7	27	0.04	< 10	< 10	50	< 10	1195
9800N 9500E	201	202	890	2	< 0.01	28	780	106	< 2	5	43	0.05	< 10	< 10	51	< 10	678
9800N 9550E	201	202	960	2	< 0.01	28	610	64	< 2	6	24	0.04	< 10	< 10	49	< 10	472
9800N 9600E	201	202	805	2	< 0.01	35	460	58	< 2	7	18	0.05	< 10	< 10	54	< 10	408
9800N 9650E	201	202	1025	2	< 0.01	39	760	140	2	7	37	0.05	< 10	< 10	54	< 10	1900
9800N 9700E	201	202	1035	< 1	< 0.01	36	410	124	< 2	9	17	0.07	< 10	< 10	69	< 10	496
9800N 9800E	201	202	745	1	< 0.01	33	720	106	< 2	6	29	0.05	< 10	< 10	50	< 10	1300
9800N 9850E	201	202	945	1	< 0.01	41	440	110	2	7	16	0.05	< 10	< 10	54	< 10	468
9800N 9900E	201	202	695	< 1	< 0.01	29	600	76	< 2	7	29	0.05	< 10	< 10	57	< 10	316
9800N 9950E	201	202	1220	< 1	< 0.01	41	340	132	< 2	9	16	0.09	< 10	< 10	87	< 10	534
9800N 10000E	201	202	885	1	< 0.01	48	410	88	< 2	9	15	0.06	< 10	< 10	64	< 10	526
9800N 10050E	201	202	1500	< 1	< 0.01	42	210	134	< 2	10	14	0.08	< 10	< 10	74	< 10	412
9800N 10100E	201	202	1315	2	< 0.01	38	930	38	< 2	4	30	0.05	< 10	< 10	45	< 10	376
9800N 10150E	201	202	1135	1	< 0.01	32	860	104	< 2	7	27	0.03	< 10	< 10	46	< 10	1155
9800N 10200E	201	202	995	2	< 0.01	35	1050	94	< 2	8	25	0.04	< 10	< 10	53	< 10	706
9800N 10250E	201	202	400	< 1	< 0.01	40	760	86	2	9	25	0.04	< 10	< 10	46	< 10	1025

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

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CALGARY, AB
T2P 3T6

Project : MCK YKI
Comments: ATTN:RUCE EVANS / JENNIFER EATON

Certificate Date: 22-SEP-1998
Invoice No. : 19831028
P.O. Number :
Account : QJD

CERTIFICATE OF ANALYSIS A9831028

SAMPLE	PREP CODE		Au ppb FA+AA	fusion wt. gm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
9800N 10300E	201	202	5	25.00	0.4	1.72	10	130	0.5	< 2	1.20	1.5	11	26	205	2.93	< 10	< 1	0.07	10	0.62
9800N 10350E	201	202	< 5	50.00	0.2	1.50	16	100	< 0.5	< 2	1.07	1.5	14	25	85	3.14	< 10	1	0.07	< 10	0.61
9800N 10400E	201	202	< 5	50.00	< 0.2	2.25	2	130	0.5	< 2	0.18	< 0.5	13	27	18	3.99	< 10	1	0.05	10	0.37
9800N 10450E	201	202	< 5	50.00	0.2	2.04	10	130	0.5	< 2	0.63	< 0.5	11	29	38	3.67	< 10	< 1	0.09	10	0.79
9800N 10500E	201	202	< 5	50.00	0.2	1.94	14	160	0.5	< 2	0.62	< 0.5	11	29	41	3.26	< 10	< 1	0.09	10	0.64
9900N 9500E	201	202	< 5	50.00	0.2	2.05	16	110	0.5	< 2	1.23	< 0.5	16	28	73	3.91	< 10	< 1	0.17	10	1.17
9900N 9550E	201	202	< 5	50.00	< 0.2	1.42	10	80	< 0.5	< 2	5.65	< 0.5	11	19	47	2.81	< 10	< 1	0.18	10	3.41
9900N 9600E	201	202	< 5	50.00	0.2	1.78	10	100	0.5	< 2	2.49	0.5	14	24	63	3.39	< 10	< 1	0.17	10	1.97
9900N 9650E	201	202	< 5	50.00	0.2	2.02	16	120	0.5	< 2	1.28	1.0	15	26	64	3.72	< 10	1	0.21	10	1.19
9900N 9700E	201	202	< 5	50.00	0.2	1.82	8	90	0.5	< 2	1.20	3.5	18	27	92	3.86	< 10	< 1	0.12	10	1.37
9900N 9750E	201	202	< 5	25.00	0.2	1.67	24	60	0.5	< 2	2.39	0.5	16	23	65	3.51	< 10	< 1	0.13	10	2.19
9900N 9800E	201	202	< 5	50.00	0.2	1.87	10	90	0.5	< 2	0.82	< 0.5	15	26	62	3.76	< 10	< 1	0.14	10	1.16
9900N 9850E	201	202	< 5	50.00	0.2	1.60	16	100	0.5	< 2	1.39	3.5	14	25	95	3.12	< 10	< 1	0.09	< 10	0.85
9900N 9900E	201	202	< 5	50.00	0.2	1.91	14	140	0.5	< 2	0.73	< 0.5	15	28	75	3.42	< 10	< 1	0.08	10	0.75
9900N 9950E	201	202	< 5	50.00	3.4	2.67	20	110	0.5	< 2	0.17	0.5	28	39	58	4.17	< 10	< 1	0.08	10	0.89
9900N 10000E	201	202	< 5	25.00	1.6	2.01	10	180	0.5	< 2	0.89	1.0	17	30	81	3.55	< 10	< 1	0.07	10	0.76
9900N 10050E	201	202	< 5	50.00	< 0.2	2.87	10	110	0.5	< 2	0.21	1.0	20	35	19	5.59	< 10	< 1	0.08	10	0.39
9900N 10100E	201	202	10	30.00	< 0.2	2.05	16	120	0.5	< 2	0.50	0.5	16	31	20	4.80	< 10	1	0.09	10	0.58
9900N 10150E	201	202	< 5	25.00	0.2	1.96	52	120	0.5	< 2	1.34	1.5	16	33	184	3.51	< 10	< 1	0.10	10	0.76
9900N 10200E	201	202	< 5	50.00	0.2	1.81	18	120	0.5	< 2	1.15	3.0	12	24	126	3.40	< 10	3	0.07	10	0.58
10000N 9500E	201	202	< 5	25.00	0.2	1.86	12	90	0.5	< 2	1.15	< 0.5	14	25	52	3.10	< 10	< 1	0.15	10	1.26
10000N 9550E	201	202	< 5	50.00	0.2	1.91	10	90	0.5	< 2	1.33	0.5	15	26	68	3.41	< 10	< 1	0.13	10	1.21
10000N 9600E	201	202	< 5	50.00	0.2	1.72	18	100	0.5	< 2	1.30	< 0.5	14	23	57	3.69	< 10	1	0.16	10	1.40
10000N 9650E	201	202	< 5	50.00	0.2	1.57	12	90	0.5	< 2	1.04	0.5	14	22	53	3.43	< 10	< 1	0.09	< 10	0.99
10000N 9700E	201	202	10	30.00	0.2	1.88	12	110	0.5	< 2	1.23	0.5	15	26	86	3.75	< 10	< 1	0.14	< 10	1.20
10000N 9750E	201	202	< 5	25.00	0.4	1.58	18	90	0.5	< 2	1.32	1.0	14	28	65	3.13	< 10	< 1	0.09	10	1.02
10000N 9800E	201	202	< 5	25.00	0.4	1.64	14	100	0.5	< 2	1.23	4.0	16	27	93	3.25	< 10	1	0.08	10	0.91
10000N 9850E	201	202	< 5	15.00	< 0.2	1.56	4	70	< 0.5	< 2	0.18	1.5	14	24	17	6.04	< 10	< 1	0.05	10	0.27
10000N 9900E	201	202	< 5	30.00	0.2	1.82	18	90	0.5	< 2	1.44	2.5	15	28	78	3.52	< 10	< 1	0.11	10	0.94
10000N 9950E	201	202	5	50.00	< 0.2	2.64	18	120	0.5	< 2	0.23	< 0.5	16	42	31	4.49	< 10	1	0.11	10	0.67
10000N 10000E	201	202	< 5	50.00	< 0.2	2.01	14	140	< 0.5	< 2	0.15	< 0.5	10	28	17	3.43	< 10	< 1	0.05	10	0.44
10000E 8850N	201	202	< 10	5.00	2.0	2.42	104	120	1.5	< 2	1.79	4.5	16	46	286	3.55	< 10	1	0.10	30	0.91
10000E 8900N	201	202	< 5	50.00	0.6	1.69	26	100	0.5	< 2	0.62	3.0	14	36	109	2.89	< 10	< 1	0.05	10	0.81
10000E 8950N	201	202	< 5	50.00	0.6	1.69	34	80	0.5	< 2	0.69	3.5	17	49	107	3.49	< 10	< 1	0.06	10	0.84
10000E 9000N	201	202	< 5	50.00	< 0.2	1.88	10	120	0.5	< 2	0.53	2.0	12	28	162	3.15	< 10	< 1	0.05	10	0.49
10000E 9050N	201	202	10	30.00	3.6	2.21	100	120	1.0	< 2	2.18	3.0	17	30	626	4.44	< 10	1	0.10	10	0.67
10000E 9100N	201	202	< 5	50.00	0.2	2.68	20	90	< 0.5	< 2	0.15	< 0.5	13	53	42	4.00	< 10	< 1	0.04	10	0.63
10000E 9150N	201	202	< 5	30.00	1.0	2.45	140	130	0.5	< 2	2.12	0.5	20	39	591	4.28	< 10	1	0.17	10	1.01
10000E 9200N	201	202	< 5	15.00	1.0	2.25	24	80	0.5	< 2	1.48	< 0.5	15	39	177	4.54	< 10	< 1	0.16	10	1.09
10000E 9250N	201	202	< 5	50.00	< 0.2	1.66	18	70	< 0.5	< 2	1.06	1.0	18	42	59	3.50	< 10	1	0.07	10	0.90

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YKI
Comments: ATTN:RUCE EVANS / JENNIFER EATON

Certificate Date: 22-SEP-1998
Invoice No. : I9831028
P.O. Number :
Account :QJD

CERTIFICATE OF ANALYSIS A9831028

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
9800N 10300E	201	202	1115	1	< 0.01	34	1130	44	2	6	22	0.03	< 10	< 10	36	< 10	262
9800N 10350E	201	202	1150	2	< 0.01	25	570	38	2	4	19	0.04	< 10	< 10	43	< 10	380
9800N 10400E	201	202	770	1	< 0.01	24	320	38	2	3	9	0.04	< 10	< 10	56	< 10	206
9800N 10450E	201	202	560	< 1	< 0.01	32	420	36	< 2	7	19	0.04	< 10	< 10	49	< 10	200
9800N 10500E	201	202	595	1	< 0.01	27	480	36	< 2	6	19	0.05	< 10	< 10	49	< 10	180
9900N 9500E	201	202	1065	1	< 0.01	32	400	64	< 2	7	25	0.04	< 10	< 10	53	< 10	294
9900N 9550E	201	202	1030	< 1	< 0.01	25	430	52	< 2	4	33	0.03	< 10	< 10	35	< 10	204
9900N 9600E	201	202	970	< 1	< 0.01	30	520	56	< 2	5	22	0.05	< 10	< 10	50	< 10	290
9900N 9650E	201	202	1035	1	< 0.01	32	580	52	< 2	6	24	0.04	< 10	< 10	51	< 10	324
9900N 9700E	201	202	1185	2	< 0.01	36	600	80	2	7	17	0.06	< 10	< 10	55	< 10	926
9900N 9750E	201	202	1090	< 1	< 0.01	30	430	62	< 2	5	14	0.05	< 10	< 10	46	< 10	238
9900N 9800E	201	202	1000	< 1	< 0.01	30	350	62	< 2	6	13	0.04	< 10	< 10	46	< 10	256
9900N 9850E	201	202	835	1	< 0.01	29	630	78	< 2	5	23	0.03	< 10	< 10	41	< 10	1130
9900N 9900E	201	202	825	2	< 0.01	29	600	72	< 2	6	17	0.03	< 10	< 10	45	< 10	692
9900N 9950E	201	202	1205	1	< 0.01	43	280	132	4	4	8	0.04	< 10	< 10	56	< 10	628
9900N 10000E	201	202	940	1	< 0.01	21	730	178	< 2	6	22	0.04	< 10	< 10	56	< 10	418
9900N 10050E	201	202	1420	1	< 0.01	22	420	62	< 2	3	12	0.05	< 10	< 10	63	< 10	384
9900N 10100E	201	202	1465	1	< 0.01	22	510	56	2	4	15	0.05	< 10	< 10	59	< 10	368
9900N 10150E	201	202	805	1	< 0.01	30	740	82	< 2	7	25	0.04	< 10	< 10	52	< 10	998
9900N 10200E	201	202	1590	1	< 0.01	20	820	40	< 2	4	21	0.03	< 10	< 10	46	< 10	470
10000N 9500E	201	202	640	3	< 0.01	31	650	38	< 2	5	27	0.03	< 10	< 10	46	< 10	194
10000N 9550E	201	202	965	1	< 0.01	31	600	54	< 2	6	30	0.03	< 10	< 10	48	< 10	314
10000N 9600E	201	202	1150	1	< 0.01	31	540	64	2	5	17	0.03	< 10	< 10	42	< 10	272
10000N 9650E	201	202	980	1	< 0.01	28	420	56	< 2	4	20	0.01	< 10	< 10	40	< 10	292
10000N 9700E	201	202	860	< 1	< 0.01	32	410	64	< 2	5	19	< 0.01	< 10	< 10	41	< 10	328
10000N 9750E	201	202	890	1	< 0.01	26	490	60	2	5	22	0.03	< 10	< 10	42	< 10	384
10000N 9800E	201	202	850	3	< 0.01	29	630	78	< 2	5	23	0.03	< 10	< 10	44	< 10	1020
10000N 9850E	201	202	1125	1	< 0.01	13	370	56	< 2	3	7	0.03	< 10	< 10	72	< 10	334
10000N 9900E	201	202	820	1	< 0.01	28	640	76	< 2	6	25	0.03	< 10	< 10	47	< 10	1020
10000N 9950E	201	202	500	1	< 0.01	27	230	78	< 2	4	14	0.05	< 10	< 10	65	< 10	544
10000N 10000E	201	202	350	< 1	< 0.01	16	190	46	< 2	3	11	0.05	< 10	< 10	61	< 10	222
10000E 8850N	201	202	850	1	< 0.01	38	1760	332	< 2	13	28	0.01	< 10	10	51	< 10	1055
10000E 8900N	201	202	805	1	< 0.01	29	500	66	< 2	4	15	0.04	< 10	< 10	51	< 10	628
10000E 8950N	201	202	905	1	< 0.01	37	500	138	< 2	8	14	0.04	< 10	< 10	52	< 10	1120
10000E 9000N	201	202	460	2	< 0.01	22	640	24	2	4	15	0.03	< 10	< 10	50	< 10	494
10000E 9050N	201	202	1345	1	< 0.01	33	1580	156	2	17	27	0.01	< 10	10	53	< 10	770
10000E 9100N	201	202	290	1	< 0.01	36	140	114	< 2	4	8	0.06	< 10	< 10	79	< 10	320
10000E 9150N	201	202	750	2	< 0.01	37	1140	102	2	16	27	0.04	< 10	< 10	82	< 10	678
10000E 9200N	201	202	1085	1	< 0.01	48	590	94	< 2	13	20	0.02	< 10	< 10	57	< 10	524
10000E 9250N	201	202	820	1	< 0.01	32	470	152	2	6	17	0.04	< 10	< 10	59	< 10	444

CERTIFICATION: HartBichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YKI
Comments: ATTN:RUCE EVANS / JENNIFER EATON

Certificate Date: 22-SEP-1998
Invoice No. : I9831028
P.O. Number :
Account : QJD

CERTIFICATE OF ANALYSIS A9831028

SAMPLE	PREP CODE		Au ppb FA+AA	fusion wt. gm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
10000E 9300N	201	202	15	30.00	0.2	3.02	29	170	0.5	< 2	0.39	0.5	29	53	348	4.93	< 10	< 1	0.12	10	1.32
10000E 9350N	201	202	10	30.00	0.8	2.49	30	210	0.5	< 2	1.94	1.5	21	42	592	4.24	< 10	1	0.15	< 10	1.12
10000E 9400N	201	202	< 5	30.00	0.2	2.76	55	160	0.5	< 2	0.45	2.5	27	50	120	6.03	< 10	1	0.11	10	0.91
10000E 9450N	201	202	10	30.00	< 0.2	2.00	82	70	0.5	< 2	0.58	1.5	24	51	75	6.19	< 10	2	0.08	10	0.81
10000E 9550N	201	202	< 5	30.00	0.6	1.71	15	150	< 0.5	< 2	1.54	2.0	12	29	92	2.86	< 10	< 1	0.07	10	0.53
10000E 9650N	201	202	< 5	50.00	0.2	1.88	32	100	< 0.5	< 2	0.62	0.5	18	38	68	4.15	< 10	< 1	0.09	10	1.01
10000E 9750N	201	202	< 5	15.00	0.8	1.08	16	140	< 0.5	< 2	2.70	1.5	10	18	99	1.79	< 10	< 1	0.04	< 10	0.58
10000E 9850N	201	202	< 5	30.00	0.2	1.75	43	110	< 0.5	< 2	1.03	0.5	19	32	56	3.66	< 10	1	0.09	10	0.62
10000E 9950N	201	202	< 5	50.00	< 0.2	1.86	14	80	< 0.5	< 2	0.09	< 0.5	9	30	19	4.26	< 10	< 1	0.05	10	0.49

CERTIFICATION: [signature]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YKI
Comments: ATTN:RUCE EVANS / JENNIFER EATON

Certificate Date: 22-SEP-1998
Invoice No. : I9831028
P.O. Number :
Account :QJD

CERTIFICATE OF ANALYSIS A9831028

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
10000E 9300N	201	202	1260	1	< 0.01	66	410	162	< 2	10	12	0.03	< 10	< 10	72	< 10	854
10000E 9350N	201	202	1020	1	< 0.01	50	1270	96	< 2	9	33	0.02	< 10	< 10	66	< 10	830
10000E 9400N	201	202	3240	1	< 0.01	56	490	238	< 2	8	14	0.04	< 10	< 10	66	< 10	692
10000E 9450N	201	202	1090	4	< 0.01	34	840	292	< 2	6	14	0.06	< 10	< 10	86	< 10	664
10000E 9550N	201	202	745	1	< 0.01	24	780	102	< 2	5	26	0.04	< 10	< 10	48	< 10	476
10000E 9650N	201	202	1080	1	< 0.01	37	460	136	< 2	7	17	0.07	< 10	< 10	64	< 10	586
10000E 9750N	201	202	800	1	< 0.01	18	1000	54	< 2	3	40	0.02	< 10	< 10	29	< 10	204
10000E 9850N	201	202	1295	1	< 0.01	25	670	64	< 2	6	23	0.04	< 10	< 10	47	< 10	562
10000E 9950N	201	202	375	1	< 0.01	18	200	38	< 2	3	7	0.04	< 10	< 10	64	< 10	228

CERTIFICATION: [illegible]

APPENDIX IX

Orientation Stream Sediment Survey Results
Craig Claims 4,6,8,29 and 31

CONSORMINEX INC.
11-1695, rue Atmec,
Gatineau, QC, J8P 7G7
(819) 669-2820

MANSON CREEK RESOURCES LTD.
c/o Dr. S. Amor,
1235 Fairview Street, Suite 353,
Burlington, Ontario L7S 2K9

August 7, 1998

R.E.: PREPARATION OF HMC FROM THREE STREAM SEDIMENT SAMPLES

Dear Dr. Amor,

Please find enclosed a table with the weights of the fraction resulting from the sample preparation, the heavy mineral concentrates, the m.i. lights, magnetic fraction, and the >1.7 mm fraction. The table lights, which were to be discarded, are still available as the heavy mineral yield was very low and I preferred to keep them in case they were needed. I have sent the associated computer files by e-mail.

I made a cursory examination of the concentrates under the binocular microscope; GSP 3001 and 3003 are quite similar: they are dominated by grey and red hematite, goethite, weathered olivine? (covered with iddingsite?), minor barite (should be confirmed) epidote, fresh olivine, goethite pseudomorphs after pyrite cubes and dodecahedrons, and trace of ilmenite, rutile, pyroxene, chromite?, and kyanite. Sample GSP 3003 appears to be richer in weathered olivine. Sample SAP 3019 was very different. Not only was the hmc much larger, the percent magnetite very high, the concentrate is coarse grained and dominated by what appear to be lithic fragments. This sample also contains barite (10-20% or higher if the lithic fragments contain barite). Also present are chromite grains (3-5%), (should be confirmed), hematite (<1%), goethite (< 1%), epidote (<1%). The magnetite is very distinctive. Most of the grains are elongate to acicular, some fibrous with terminations that look like asbestos. Many grains have fine strae resembling polysynthetic twinning. There are grains with slickensides that give them the appearance of serpentinite.
The magnetite in SAP 3019 is very different from the magnetite found in GSP 3001 and 3003. It would certainly make a handy indicator mineral.

Sincerely yours,

D Paré

Dominique Paré

i

MANSON CREEK RESOURCES LIMITED, Dr. S. Amor

Preparation of heavy mineral concentrates. August 7, 1998

	Bulk		-- Table < 1.7 mm --		-- Methylene iodide, < 1.7 mm --			
	wt.	>1.7 mm	Lights	Heavies	<3.2 s.g.	>3.2 s.g.*	Mag	
Sample	(g)	(g)	(g)	(g)	(g)	(g)	(g)	**Comments**
GPS-3001	4500	39,90	4387	73,24	57,68	14,93	0,63	
GPS-3003	4300	58,75	4005	235,95	231,49	4,45	0,01	
SAP-3019	4400	72,73	4120	207,61	90,12	57,1	60,39	

Consorminex Inc.

Consorminex Inc.

Notes: - Bulk weight of sample taken as recieved (humid).

* >3.2 s.g., non magnetic fraction

ACTLABS

ACTIVATION LABORATORIES LTD

SEP - 9 1998

Invoice No.: 15955
Work Order: 16095
Invoice Date: 27-AUG-98
Date Submitted: 12-AUG-98
Your Reference: NONE
Account Number: 1969

STEVE AMOR
ANALYTICAL SOLUTIONS LTD.
1235 FAIRVIEW ST. 353
BURLINGTON, ON
L7S 2K9

CERTIFICATE OF ANALYSIS

3 CRUSHED ROCKS(PREP.REV1) were submitted for analysis.

The following analytical packages were requested. Please see our current fee schedule for elements and detection limits.

REPORT 15955 CODE 3A-HMC-INAA(INAA.REV1)
REPORT 15955 B CODE 1F-TOTAL DIGESTION ICP

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

CERTIFIED BY :

DR E.HOFFMAN/GENERAL MANAGER

1336 SANDHILL DRIVE, ANCASTER, ONTARIO, CANADA L9G 4V5 • TEL: 905-648-9611 • FAX: 905-648-9613
E-MAIL: ACTLABA@IBM.NET or 102040.700 @ COMPUSERVE.COM

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA %	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SN %	SR %	TA PPM	TH PPM
GSP 3001	30	<5	200	11000	<1	1	64	200	<2	39.5	30	<1	<5	9	0.06	140	<30	27	12	<5	<0.02	0.09	<1	56
GSP 3003	2640	<5	290	27000	<1	<1	83	74	<2	36.6	92	<1	<5	16	<0.05	150	<30	33	12	<5	<0.02	<0.05	<1	45
SAP 3019	<5	5	56	380000	<1	1	93	33000	<2	6.48	<1	<1	<5	<5	<0.05	450	<30	56	4.2	<5	<0.02	0.19	<1	10

Sample description	U PPM	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
GSP 3001	18	<4	890	800	1600	680	140	27.3	9.2	8.5	1.13	2.265
GSP 3003	<0.5	<4	628	937	1900	860	150	27.6	13	12.7	1.88	2.080
SAP 3019	<0.5	<4	1400	240	260	99	13	6.1	5.5	1.29	0.15	13.33

Activation Laboratories Ltd. Work Order: 16095 Report: 15955B

Sample description	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	MN PPM	SR PPM	CD PPM	BI PPM	V PPM	CA %	P %	MG %	TI %	AL %	K %	Y PPM	BE PPM
GSP 3001	9.	152.	312.	880.	<0.4	124.	2638.	162.	0.5	<5.	242.	1.13	0.104	0.47	0.99	1.62	0.51	68.	<2.
GSP 3003	16.	345.	435.	783.	<0.4	126.	2289.	217.	0.7	7.	129.	0.68	0.138	0.60	0.20	1.16	0.34	84.	<2.
SAP 3019	5.	100.	1536.	1243.	5.3	418.	636.	562.	5.2	14.	102.	0.85	0.045	0.85	0.24	0.69	0.06	12.	<2.

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK-YT-01
Comments: ATTN:BRUCE EVANS CC:GEORGE SIVERTZ FAX: STEVE AMOR

Certificate Date: 07-AUG-98
Invoice No. : 19826573
P.O. Number :
Account : QJD

CERTIFICATE OF ANALYSIS A9826573

SAMPLE	PREP CODE		Weight grams
GSS3002+18	--	--	3540
GSS3002-18+35	240	202	1360.0
GSS3002-35+80	203	202	1020.0
GSS3002-80+150	201	202	97.5
GSS3002-150+230	216	202	51.8
GSS3002-230	254	202	132.6
GSS3002TOTAL	--	--	6202
GSS3004+18	--	--	3000
GSS3004-18+35	240	202	990.3
GSS3004-35+80	203	202	709.6
GSS3004-80+150	201	202	641.7
GSS3004-150+230	216	202	122.9
GSS3004-230	254	202	209.0
GSS3004TOTAL	--	--	5674
GSS3005+18	--	--	1240.0
GSS3005-18+35	240	202	67.5
GSS3005-35+80	203	202	223.3
GSS3005-80+150	201	202	196.6
GSS3005-150+230	216	202	1314.0
GSS3005-230	254	202	536.7
GSS3005TOTAL	--	--	3578
GSS3006+18	--	--	4480
GSS3006-18+35	240	202	561.0
GSS3006-35+80	203	202	461.9
GSS3006-80+150	201	202	92.8
GSS3006-150+230	216	202	383.0
GSS3006-230	254	202	265.3
GSS3006TOTAL	--	--	6244
GSS3007+18	--	--	6660
GSS3007-18+35	240	202	181.0
GSS3007-35+80	203	202	328.4
GSS3007-80+150	201	202	273.9
GSS3007-150+230	216	202	408.1
GSS3007-230	254	202	245.2
GSS3007TOTAL	--	--	8097
GSS3008+18	--	--	3192
GSS3008-18+35	240	202	242.4
GSS3008-35+80	203	202	253.3
GSS3008-80+150	201	202	212.5
GSS3008-150+230	216	202	533.0

CERTIFICATION: Laurence ...

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK-YT-01
Comments: ATTN:BRUCE EVANS CC:GEORGE SIVERTZ FAX: STEVE AMOR

Certificate Date: 07-AUG-98
Invoice No. : I9826573
P.O. Number :
Account : QJD

CERTIFICATE OF ANALYSIS A9826573

SAMPLE	PREP CODE		Weight grams
GSS3008-230	254	202	818.5
GSS3008TOTAL	--	--	5251
GSS3009+18	--	--	1187.0
GSS3009-18+35	240	202	755.7
GSS3009-35+80	203	202	1188.0
GSS3009-80+150	201	202	419.3
GSS3009-150+230	216	202	253.4
GSS3009-230	254	202	202.2
GSS3009TOTAL	--	--	4006
GSS3010+18	--	--	1821.5
GSS3010-18+35	240	202	813.0
GSS3010-35+80	203	202	1439.0
GSS3010-80+150	201	202	400.4
GSS3010-150+230	216	202	281.7
GSS3010-230	254	202	189.9
GSS3010TOTAL	--	--	4946
GSS3011+18	--	--	2079
GSS3011-18+35	240	202	1055.0
GSS3011-35+80	203	202	1313.5
GSS3011-80+150	201	202	289.1
GSS3011-150+230	216	202	214.8
GSS3011-230	254	202	186.5
GSS3011TOTAL	--	--	5138
GSS3012+18	--	--	3300
GSS3012-18+35	240	202	752.2
GSS3012-35+80	203	202	807.3
GSS3012-80+150	201	202	173.7
GSS3012-150+230	216	202	83.9
GSS3012-230	254	202	106.4
GSS3012TOTAL	--	--	5224
GSS3013+18	--	--	3180
GSS3013-18+35	240	202	976.9
GSS3013-35+80	203	202	995.0
GSS3013-80+150	201	202	172.4
GSS3013-150+230	216	202	78.4
GSS3013-230	254	202	73.6
GSS3013TOTAL	--	--	5476
GSS3014+18	--	--	2900
GSS3014-18+35	240	202	1073.5
GSS3014-35+80	203	202	1271.5

CERTIFICATION: Laurence Ty

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Project : MCK-YT-01
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Certificate Date: 07-AUG-98
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P.O. Number :
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CERTIFICATE OF ANALYSIS A9826573

SAMPLE	PREP CODE		Weight grams
GSS3014-80+150	201	202	335.4
GSS3014-150+230	216	202	178.2
GSS3014-230	254	202	140.2
GSS3014TOTAL	--	--	5899
GSS3015+18	--	--	4500
GSS3015-18+35	240	202	703.1
GSS3015-35+80	203	202	268.3
GSS3015-80+150	201	202	33.1
GSS3015-150+230	216	202	17.0
GSS3015-230	254	202	27.0
GSS3015TOTAL	--	--	5549
GSS3016+18	--	--	3620
GSS3016-18+35	240	202	1134.5
GSS3016-35+80	203	202	793.7
GSS3016-80+150	201	202	97.2
GSS3016-150+230	216	202	39.8
GSS3016-230	254	202	38.7
GSS3016TOTAL	--	--	5724
GSS3017+18	--	--	4420
GSS3017-18+35	240	202	1083.0
GSS3017-35+80	203	202	717.6
GSS3017-80+150	201	202	99.9
GSS3017-150+230	216	202	46.0
GSS3017-230	254	202	52.0
GSS3017TOTAL	--	--	6419
GSS3018+18	--	--	3143
GSS3018-18+35	240	202	596.9
GSS3018-35+80	203	202	714.0
GSS3018-80+150	201	202	246.8
GSS3018-150+230	216	202	238.2
GSS3018-230	254	202	391.5
GSS3018TOTAL	--	--	5331

CERTIFICATION: Laurence [illegible]

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Page Number : 1-A
Total Pages : 2
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Account : QJD

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9826574

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
GSS3002-18+35	299	229	< 0.2	0.75	10	50	< 0.5	< 2	9.08	< 0.5	9	22	14	1.84	< 10	< 1	0.16	< 10	5.06	520	< 1
GSS3002-35+80	299	229	< 0.2	0.71	18	80	< 0.5	< 2	9.44	< 0.5	9	22	17	2.11	< 10	< 1	0.14	< 10	5.48	555	< 1
GSS3002-80+150	299	229	< 0.2	0.43	18	100	< 0.5	< 2	8.88	< 0.5	7	5	14	1.77	< 10	< 1	0.05	< 10	5.29	475	< 1
GSS3002-150+230	299	229	< 0.2	0.40	12	70	< 0.5	< 2	9.62	< 0.5	7	6	13	1.54	< 10	< 1	0.06	< 10	5.49	430	< 1
GSS3002-230	299	229	< 0.2	0.63	8	90	< 0.5	< 2	9.61	< 0.5	8	9	18	1.82	< 10	< 1	0.11	< 10	5.13	480	< 1
GSS3004-18+35	299	229	< 0.2	0.44	10	50	< 0.5	< 2	12.70	< 0.5	6	17	6	1.13	< 10	< 1	0.11	< 10	6.71	295	< 1
GSS3004-35+80	299	229	< 0.2	0.46	6	60	< 0.5	< 2	12.20	< 0.5	6	24	7	1.22	< 10	1	0.13	< 10	6.51	275	< 1
GSS3004-80+150	299	229	< 0.2	0.18	6	60	< 0.5	< 2	>15.00	< 0.5	3	3	1	0.59	< 10	< 1	0.05	< 10	8.38	95	< 1
GSS3004-150+230	299	229	< 0.2	0.29	4	70	< 0.5	< 2	12.70	< 0.5	6	4	5	0.81	< 10	< 1	0.06	< 10	6.99	190	< 1
GSS3004-230	299	229	< 0.2	0.37	6	60	< 0.5	< 2	12.95	< 0.5	5	6	6	0.91	< 10	1	0.07	< 10	7.13	195	< 1
GSS3005-18+35	299	229	< 0.2	0.23	8	40	< 0.5	< 2	>15.00	< 0.5	2	11	< 1	0.45	< 10	1	0.10	< 10	8.39	90	< 1
GSS3005-35+80	299	229	< 0.2	0.20	10	80	< 0.5	< 2	>15.00	< 0.5	2	8	1	0.53	< 10	< 1	0.07	< 10	8.47	80	< 1
GSS3005-80+150	299	229	< 0.2	0.16	8	50	< 0.5	< 2	>15.00	< 0.5	2	3	1	0.51	< 10	< 1	0.05	< 10	8.49	70	< 1
GSS3005-150+230	299	229	< 0.2	0.17	10	40	< 0.5	< 2	>15.00	< 0.5	3	3	1	0.51	< 10	< 1	0.05	< 10	8.34	70	< 1
GSS3005-230	299	229	< 0.2	0.21	8	40	< 0.5	< 2	14.90	< 0.5	3	4	1	0.59	< 10	1	0.06	< 10	8.21	80	< 1
GSS3006-18+35	299	229	< 0.2	0.12	14	10	< 0.5	< 2	>15.00	< 0.5	1	5	< 1	0.21	< 10	< 1	0.05	< 10	9.00	45	< 1
GSS3006-35+80	299	229	< 0.2	0.11	8	30	< 0.5	< 2	>15.00	< 0.5	1	5	< 1	0.24	< 10	< 1	0.03	< 10	8.46	45	< 1
GSS3006-80+150	299	229	< 0.2	0.15	10	40	< 0.5	< 2	14.90	< 0.5	1	2	< 1	0.37	< 10	< 1	0.02	< 10	8.26	65	< 1
GSS3006-150+230	299	229	< 0.2	0.28	6	40	< 0.5	< 2	13.85	< 0.5	2	4	3	0.47	< 10	< 1	0.03	< 10	8.21	80	< 1
GSS3006-230	299	229	< 0.2	0.37	8	50	< 0.5	< 2	12.85	< 0.5	3	5	4	0.58	< 10	< 1	0.04	< 10	7.72	95	< 1
GSS3007-18+35	299	229	< 0.2	0.14	2	30	< 0.5	< 2	>15.00	< 0.5	1	4	< 1	0.23	< 10	1	0.06	< 10	8.65	60	< 1
GSS3007-35+80	299	229	< 0.2	0.12	6	60	< 0.5	< 2	>15.00	< 0.5	1	4	< 1	0.32	< 10	1	0.04	< 10	8.76	65	< 1
GSS3007-80+150	299	229	< 0.2	0.13	8	50	< 0.5	< 2	>15.00	< 0.5	1	2	< 1	0.42	< 10	< 1	0.03	< 10	8.68	65	< 1
GSS3007-150+230	299	229	< 0.2	0.17	4	40	< 0.5	< 2	14.70	< 0.5	3	3	1	0.45	< 10	< 1	0.04	< 10	8.32	65	< 1
GSS3007-230	299	229	< 0.2	0.22	8	40	< 0.5	< 2	14.10	< 0.5	3	4	2	0.53	< 10	< 1	0.04	< 10	8.06	75	< 1
GSS3008-18+35	299	229	< 0.2	0.08	8	10	< 0.5	< 2	>15.00	< 0.5	1	3	< 1	0.22	< 10	< 1	0.03	< 10	8.93	55	< 1
GSS3008-35+80	299	229	< 0.2	0.11	8	40	< 0.5	< 2	>15.00	< 0.5	1	4	< 1	0.31	< 10	1	0.04	< 10	8.84	65	< 1
GSS3008-80+150	299	229	< 0.2	0.11	2	30	< 0.5	< 2	>15.00	< 0.5	2	2	< 1	0.37	< 10	< 1	0.03	< 10	8.44	60	< 1
GSS3008-150+230	299	229	< 0.2	0.13	10	30	< 0.5	< 2	>15.00	< 0.5	2	2	< 1	0.43	< 10	< 1	0.03	< 10	8.60	60	< 1
GSS3008-230	299	229	< 0.2	0.20	8	30	< 0.5	< 2	13.95	< 0.5	2	4	2	0.53	< 10	1	0.04	< 10	7.94	75	< 1
GSS3009-18+35	299	229	< 0.2	0.25	8	10	< 0.5	Intf*	0.52	< 0.5	65	484	3	3.42	< 10	< 1	0.01	< 10	>15.00	500	< 1
GSS3009-35+80	299	229	< 0.2	0.25	10	10	< 0.5	Intf*	0.53	< 0.5	65	463	4	3.66	< 10	< 1	0.01	< 10	>15.00	505	< 1
GSS3009-80+150	299	229	< 0.2	0.23	8	10	< 0.5	Intf*	0.45	< 0.5	73	477	4	4.50	< 10	< 1	0.01	< 10	>15.00	540	< 1
GSS3009-150+230	299	229	< 0.2	0.24	6	10	< 0.5	Intf*	0.49	< 0.5	78	493	4	5.03	< 10	1	0.01	< 10	>15.00	585	< 1
GSS3009-230	299	229	< 0.2	0.27	10	20	< 0.5	Intf*	0.74	< 0.5	80	468	6	5.25	< 10	< 1	0.01	< 10	>15.00	645	< 1
GSS3010-18+35	299	229	< 0.2	0.62	10	270	< 0.5	< 2	0.82	< 0.5	56	394	55	4.41	< 10	< 1	0.10	< 10	11.40	580	< 1
GSS3010-35+80	299	229	< 0.2	0.57	18	340	< 0.5	< 2	0.95	< 0.5	58	351	66	4.60	< 10	< 1	0.09	< 10	10.85	575	< 1
GSS3010-80+150	299	229	< 0.2	0.42	8	240	< 0.5	< 2	1.12	< 0.5	62	320	74	4.81	< 10	1	0.05	< 10	10.85	600	< 1
GSS3010-150+230	299	229	0.2	0.40	4	240	< 0.5	< 2	1.17	< 0.5	65	330	73	5.20	< 10	1	0.05	< 10	10.75	630	< 1
GSS3010-230	299	229	0.2	0.48	18	250	< 0.5	< 2	1.43	< 0.5	66	312	81	5.30	< 10	< 1	0.07	< 10	9.66	720	< 1

CERTIFICATION:

* INTERFERENCES: Cu ON Bi AND P

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
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To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK-YT-01
Comments: ATTN:BRUCE EVANS CC:GEORGE SIVERTZ FAX: STEVE AMOR

Certificate Date: 09-AUG-98
Invoice No. : 19826574
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* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9826574

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
GSS3002-18+35	299	229	0.01	14	200	16	2	2	78	< 0.01	< 10	< 10	13	< 10	66
GSS3002-35+80	299	229	0.01	14	210	24	< 2	3	69	< 0.01	< 10	< 10	13	< 10	88
GSS3002-80+150	299	229	< 0.01	11	200	18	2	2	50	< 0.01	< 10	< 10	10	< 10	86
GSS3002-150+230	299	229	0.01	10	220	22	2	2	53	< 0.01	< 10	< 10	9	< 10	86
GSS3002-230	299	229	0.01	15	350	24	2	3	75	< 0.01	< 10	< 10	14	< 10	112
GSS3004-18+35	299	229	0.01	7	130	8	< 2	1	105	< 0.01	< 10	< 10	8	< 10	30
GSS3004-35+80	299	229	0.01	6	130	14	< 2	1	105	< 0.01	< 10	< 10	9	< 10	34
GSS3004-80+150	299	229	0.01	5	70	8	2	1	111	< 0.01	< 10	< 10	5	< 10	14
GSS3004-150+230	299	229	0.01	6	110	10	< 2	1	88	< 0.01	< 10	< 10	7	< 10	26
GSS3004-230	299	229	0.01	8	180	12	< 2	1	102	< 0.01	< 10	< 10	9	< 10	30
GSS3005-18+35	299	229	0.01	4	50	8	< 2	< 1	116	< 0.01	< 10	< 10	5	< 10	10
GSS3005-35+80	299	229	0.01	5	50	12	< 2	1	105	< 0.01	< 10	< 10	5	< 10	14
GSS3005-80+150	299	229	0.01	5	60	10	< 2	1	110	< 0.01	< 10	< 10	5	< 10	10
GSS3005-150+230	299	229	0.01	5	60	6	< 2	1	117	< 0.01	< 10	< 10	5	< 10	12
GSS3005-230	299	229	0.01	5	80	14	< 2	1	122	< 0.01	< 10	< 10	6	< 10	14
GSS3006-18+35	299	229	0.01	< 1	40	8	< 2	< 1	123	< 0.01	< 10	< 10	4	< 10	2
GSS3006-35+80	299	229	0.01	1	40	8	< 2	< 1	109	< 0.01	< 10	< 10	4	< 10	6
GSS3006-80+150	299	229	0.01	3	60	4	< 2	< 1	106	< 0.01	< 10	< 10	6	< 10	14
GSS3006-150+230	299	229	0.01	5	160	2	2	< 1	85	< 0.01	< 10	< 10	10	< 10	22
GSS3006-230	299	229	0.01	6	220	10	2	1	78	0.01	< 10	< 10	13	< 10	28
GSS3007-18+35	299	229	0.01	1	30	10	< 2	< 1	119	< 0.01	< 10	< 10	4	< 10	6
GSS3007-35+80	299	229	0.01	1	30	10	2	< 1	117	< 0.01	< 10	< 10	4	< 10	8
GSS3007-80+150	299	229	0.01	4	50	8	2	< 1	110	< 0.01	< 10	< 10	5	< 10	12
GSS3007-150+230	299	229	0.01	4	80	8	< 2	< 1	102	< 0.01	< 10	< 10	6	< 10	14
GSS3007-230	299	229	0.01	6	110	8	< 2	1	108	< 0.01	< 10	< 10	7	< 10	20
GSS3008-18+35	299	229	0.01	< 1	30	6	< 2	< 1	126	< 0.01	< 10	< 10	3	< 10	4
GSS3008-35+80	299	229	0.01	1	40	6	< 2	< 1	122	< 0.01	< 10	< 10	4	< 10	8
GSS3008-80+150	299	229	0.01	3	40	8	< 2	< 1	106	< 0.01	< 10	< 10	4	< 10	10
GSS3008-150+230	299	229	0.01	4	60	6	2	< 1	106	< 0.01	< 10	< 10	5	< 10	12
GSS3008-230	299	229	0.01	6	100	2	< 2	1	106	< 0.01	< 10	< 10	7	< 10	18
GSS3009-18+35	299	229	< 0.01	1415	Intf*	< 2	< 2	4	18	< 0.01	< 10	< 10	10	< 10	24
GSS3009-35+80	299	229	< 0.01	1415	Intf*	2	< 2	4	20	< 0.01	< 10	< 10	10	< 10	24
GSS3009-80+150	299	229	< 0.01	1400	Intf*	< 2	< 2	4	17	< 0.01	< 10	< 10	11	< 10	24
GSS3009-150+230	299	229	< 0.01	1440	Intf*	< 2	2	4	19	< 0.01	< 10	< 10	11	< 10	24
GSS3009-230	299	229	< 0.01	1420	Intf*	6	2	4	26	0.01	< 10	< 10	12	< 10	28
GSS3010-18+35	299	229	< 0.01	1060	200	22	< 2	6	35	< 0.01	< 10	< 10	19	< 10	178
GSS3010-35+80	299	229	< 0.01	1015	200	30	< 2	6	39	< 0.01	< 10	< 10	18	< 10	324
GSS3010-80+150	299	229	< 0.01	978	200	20	< 2	5	41	< 0.01	< 10	< 10	16	< 10	468
GSS3010-150+230	299	229	< 0.01	980	200	38	2	5	40	< 0.01	< 10	< 10	16	< 10	514
GSS3010-230	299	229	< 0.01	941	280	40	< 2	5	48	0.01	< 10	< 10	18	< 10	534

CERTIFICATION: [illegible signature]

* INTERFERENCES: Cu ON Bi AND P

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
GSS3011-18+35	299	229	< 0.2	0.55	6	240	< 0.5	< 2	0.83	< 0.5	55	367	46	4.08	< 10	< 1	0.09	< 10	10.35	525	< 1
GSS3011-35+80	299	229	0.2	0.44	16	280	< 0.5	< 2	0.93	< 0.5	61	351	55	4.84	< 10	1	0.06	< 10	10.20	530	< 1
GSS3011-80+150	299	229	0.2	0.34	12	170	< 0.5	< 2	1.07	< 0.5	70	318	60	5.26	< 10	1	0.03	< 10	9.91	560	< 1
GSS3011-150+230	299	229	< 0.2	0.33	30	170	< 0.5	< 2	1.12	< 0.5	69	315	64	5.31	< 10	1	0.03	< 10	9.66	595	< 1
GSS3011-230	299	229	< 0.2	0.36	24	200	< 0.5	< 2	1.28	< 0.5	65	282	74	5.14	< 10	< 1	0.04	< 10	8.46	650	< 1
GSS3012-18+35	299	229	< 0.2	1.33	30	300	0.5	< 2	0.71	< 0.5	32	191	37	4.23	< 10	< 1	0.26	10	3.28	990	2
GSS3012-35+80	299	229	0.2	1.22	34	400	0.5	< 2	0.73	< 0.5	34	217	38	4.36	< 10	1	0.22	10	4.12	775	1
GSS3012-80+150	299	229	< 0.2	0.94	32	260	0.5	< 2	0.85	< 0.5	28	143	37	4.28	< 10	< 1	0.08	10	3.15	795	2
GSS3012-150+230	299	229	0.2	0.95	36	300	0.5	< 2	0.97	0.5	27	120	39	4.03	< 10	< 1	0.09	10	2.65	930	1
GSS3012-230	299	229	0.2	1.03	48	330	0.5	< 2	1.17	0.5	28	105	46	4.27	< 10	1	0.12	10	2.10	1365	3
GSS3013-18+35	299	229	< 0.2	0.62	28	170	< 0.5	< 2	0.80	< 0.5	50	354	46	4.13	< 10	1	0.10	< 10	9.33	525	< 1
GSS3013-35+80	299	229	< 0.2	0.56	10	230	< 0.5	< 2	0.91	< 0.5	52	323	52	4.31	< 10	< 1	0.09	< 10	9.07	505	< 1
GSS3013-80+150	299	229	< 0.2	0.41	20	190	< 0.5	< 2	1.18	< 0.5	63	315	60	5.42	< 10	1	0.05	< 10	9.37	580	1
GSS3013-150+230	299	229	< 0.2	0.39	20	210	< 0.5	< 2	1.27	< 0.5	65	310	62	5.45	< 10	2	0.04	< 10	9.41	610	< 1
GSS3013-230	299	229	0.2	0.45	18	240	< 0.5	< 2	1.47	< 0.5	60	282	67	4.82	< 10	< 1	0.06	< 10	8.27	675	1
GSS3014-18+35	299	229	< 0.2	0.60	14	100	< 0.5	< 2	0.80	< 0.5	54	392	39	3.96	< 10	< 1	0.07	< 10	10.85	545	< 1
GSS3014-35+80	299	229	< 0.2	0.59	18	190	< 0.5	< 2	0.93	< 0.5	54	368	44	4.32	< 10	< 1	0.08	< 10	10.45	535	< 1
GSS3014-80+150	299	229	< 0.2	0.42	8	170	< 0.5	< 2	1.21	< 0.5	59	302	62	4.74	< 10	< 1	0.04	< 10	9.30	560	< 1
GSS3014-150+230	299	229	< 0.2	0.40	22	180	< 0.5	< 2	1.41	< 0.5	60	285	69	5.03	< 10	1	0.04	< 10	8.84	600	< 1
GSS3014-230	299	229	0.2	0.46	16	250	< 0.5	< 2	1.64	< 0.5	60	268	76	4.89	< 10	< 1	0.05	< 10	8.08	690	< 1
GSS3015-18+35	299	229	0.2	1.13	32	1990	< 0.5	< 2	2.86	2.5	11	91	28	2.53	< 10	< 1	0.27	10	1.35	495	3
GSS3015-35+80	299	229	0.2	1.06	38	2420	< 0.5	< 2	2.24	2.5	11	100	26	2.54	< 10	< 1	0.26	10	1.22	380	4
GSS3015-80+150	299	229	0.2	0.64	30	1410	< 0.5	< 2	1.81	2.5	10	34	25	2.24	< 10	< 1	0.09	10	1.06	340	4
GSS3015-150+230	299	229	0.2	0.67	24	1220	< 0.5	< 2	1.76	2.5	10	35	28	2.31	< 10	< 1	0.10	10	1.02	390	5
GSS3015-230	299	229	0.2	0.87	44	1450	< 0.5	< 2	1.74	4.0	13	55	36	2.85	< 10	< 1	0.13	10	0.95	590	6
GSS3016-18+35	299	229	< 0.2	0.74	22	230	< 0.5	< 2	1.01	< 0.5	54	425	31	4.14	< 10	< 1	0.10	< 10	10.85	550	< 1
GSS3016-35+80	299	229	< 0.2	0.64	8	520	< 0.5	< 2	1.08	< 0.5	56	393	35	4.67	< 10	1	0.08	< 10	10.05	530	< 1
GSS3016-80+150	299	229	0.2	0.44	12	290	< 0.5	< 2	1.53	< 0.5	60	299	47	5.72	< 10	< 1	0.04	< 10	8.08	530	< 1
GSS3016-150+230	299	229	0.2	0.42	18	360	< 0.5	< 2	1.87	< 0.5	55	256	50	5.11	< 10	< 1	0.05	< 10	7.28	525	1
GSS3016-230	299	229	0.2	0.51	24	460	< 0.5	< 2	2.08	0.5	43	215	49	4.03	< 10	< 1	0.06	< 10	6.15	570	1
GSS3017-18+35	299	229	< 0.2	0.63	12	310	< 0.5	< 2	1.31	< 0.5	49	365	27	3.61	< 10	< 1	0.07	< 10	10.25	525	< 1
GSS3017-35+80	299	229	< 0.2	0.58	8	520	< 0.5	< 2	1.37	< 0.5	49	349	30	3.65	< 10	1	0.07	< 10	9.84	495	< 1
GSS3017-80+150	299	229	< 0.2	0.47	20	300	< 0.5	< 2	1.58	< 0.5	53	305	39	4.58	< 10	< 1	0.04	< 10	9.03	540	< 1
GSS3017-150+230	299	229	0.2	0.48	22	370	< 0.5	< 2	1.87	0.5	54	276	47	4.80	< 10	< 1	0.05	< 10	7.95	565	< 1
GSS3017-230	299	229	0.2	0.55	28	520	< 0.5	< 2	2.22	0.5	42	227	50	3.85	< 10	1	0.07	< 10	5.96	560	3
GSS3018-18+35	299	229	< 0.2	0.49	10	370	< 0.5	< 2	12.70	0.5	3	40	8	0.90	< 10	< 1	0.11	< 10	2.61	110	< 1
GSS3018-35+80	299	229	< 0.2	0.51	18	510	< 0.5	< 2	13.05	0.5	3	39	8	0.91	< 10	< 1	0.12	< 10	2.57	115	1
GSS3018-80+150	299	229	< 0.2	0.35	14	420	< 0.5	< 2	13.20	0.5	3	8	9	0.91	< 10	5	0.05	< 10	2.82	140	1
GSS3018-150+230	299	229	< 0.2	0.37	12	590	< 0.5	< 2	12.85	0.5	4	10	11	0.91	< 10	< 1	0.05	< 10	3.21	170	1
GSS3018-230	299	229	0.2	0.55	30	810	< 0.5	< 2	10.65	0.5	6	16	16	1.27	< 10	< 1	0.07	< 10	2.96	220	1

CERTIFICATION:

* INTERFERENCES: Cu ON Bi AND P

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK-YT-01
Comments: ATTN:BRUCE EVANS CC:GEORGE SIVERTZ FAX: STEVE AMOR

Certificate Date: 09-AUG-98
Invoice No. : I9826574
P.O. Number :
Account : QJD

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9826574

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
GSS3011-18+35	299	229	< 0.01	1015	220	56	< 2	6	31	< 0.01	< 10	< 10	19	< 10	162
GSS3011-35+80	299	229	< 0.01	1015	210	74	2	5	33	< 0.01	< 10	< 10	17	< 10	194
GSS3011-80+150	299	229	< 0.01	1015	200	146	< 2	5	34	< 0.01	< 10	< 10	16	< 10	224
GSS3011-150+230	299	229	< 0.01	968	210	84	< 2	5	35	< 0.01	< 10	< 10	16	< 10	246
GSS3011-230	299	229	< 0.01	893	280	68	< 2	5	38	< 0.01	< 10	< 10	16	< 10	286
GSS3012-18+35	299	229	0.01	341	750	18	< 2	5	42	< 0.01	< 10	< 10	34	< 10	298
GSS3012-35+80	299	229	0.01	408	780	34	6	5	43	0.01	< 10	< 10	36	< 10	312
GSS3012-80+150	299	229	< 0.01	314	860	58	< 2	4	45	0.01	< 10	< 10	29	< 10	322
GSS3012-150+230	299	229	< 0.01	286	860	46	< 2	5	50	0.01	< 10	< 10	29	< 10	352
GSS3012-230	299	229	< 0.01	272	930	34	< 2	5	58	0.01	< 10	< 10	31	< 10	416
GSS3013-18+35	299	229	< 0.01	898	260	50	< 2	5	31	< 0.01	< 10	< 10	20	< 10	216
GSS3013-35+80	299	229	< 0.01	863	240	64	< 2	5	34	< 0.01	< 10	< 10	19	< 10	222
GSS3013-80+150	299	229	< 0.01	938	260	100	2	5	40	< 0.01	< 10	< 10	19	< 10	262
GSS3013-150+230	299	229	< 0.01	915	270	86	< 2	5	42	< 0.01	< 10	< 10	19	< 10	282
GSS3013-230	299	229	< 0.01	807	350	80	2	5	49	0.01	< 10	< 10	22	< 10	330
GSS3014-18+35	299	229	< 0.01	1050	260	74	< 2	5	30	< 0.01	< 10	< 10	21	< 10	254
GSS3014-35+80	299	229	< 0.01	998	270	70	< 2	5	35	< 0.01	< 10	< 10	21	< 10	240
GSS3014-80+150	299	229	< 0.01	905	260	78	< 2	5	40	< 0.01	< 10	< 10	20	< 10	220
GSS3014-150+230	299	229	< 0.01	848	280	68	< 2	5	45	< 0.01	< 10	< 10	21	< 10	214
GSS3014-230	299	229	< 0.01	805	400	80	< 2	5	53	0.01	< 10	< 10	28	< 10	264
GSS3015-18+35	299	229	0.01	74	2060	26	< 2	3	86	< 0.01	< 10	< 10	70	< 10	412
GSS3015-35+80	299	229	0.01	74	2120	30	< 2	3	78	< 0.01	< 10	< 10	71	< 10	406
GSS3015-80+150	299	229	< 0.01	64	1800	28	2	2	63	< 0.01	< 10	< 10	55	< 10	404
GSS3015-150+230	299	229	< 0.01	69	1600	28	< 2	3	62	< 0.01	< 10	< 10	58	< 10	448
GSS3015-230	299	229	< 0.01	92	1490	44	< 2	3	68	< 0.01	< 10	< 10	72	< 10	590
GSS3016-18+35	299	229	< 0.01	1025	380	102	< 2	5	35	< 0.01	< 10	< 10	30	< 10	354
GSS3016-35+80	299	229	< 0.01	941	370	110	2	5	38	0.01	< 10	< 10	29	< 10	378
GSS3016-80+150	299	229	< 0.01	827	430	124	2	4	44	< 0.01	< 10	< 10	30	< 10	312
GSS3016-150+230	299	229	< 0.01	718	500	102	< 2	4	51	< 0.01	< 10	< 10	33	< 10	330
GSS3016-230	299	229	< 0.01	594	620	112	< 2	4	60	0.01	< 10	< 10	37	< 10	404
GSS3017-18+35	299	229	< 0.01	941	400	90	< 2	5	35	< 0.01	< 10	10	25	< 10	348
GSS3017-35+80	299	229	< 0.01	866	390	86	< 2	5	39	< 0.01	< 10	< 10	24	< 10	358
GSS3017-80+150	299	229	< 0.01	824	450	76	2	4	44	< 0.01	< 10	< 10	25	< 10	378
GSS3017-150+230	299	229	< 0.01	751	510	88	2	5	51	< 0.01	< 10	< 10	31	< 10	388
GSS3017-230	299	229	< 0.01	585	660	92	< 2	4	62	0.01	< 10	< 10	39	< 10	414
GSS3018-18+35	299	229	0.01	18	510	2	< 2	1	143	< 0.01	< 10	< 10	22	< 10	56
GSS3018-35+80	299	229	0.01	18	590	12	< 2	1	153	< 0.01	< 10	< 10	24	< 10	60
GSS3018-80+150	299	229	< 0.01	17	630	12	< 2	1	152	< 0.01	< 10	< 10	20	< 10	66
GSS3018-150+230	299	229	< 0.01	18	590	10	< 2	1	132	< 0.01	< 10	< 10	21	< 10	68
GSS3018-230	299	229	< 0.01	30	680	10	< 2	2	119	0.01	< 10	< 10	29	< 10	96

* INTERFERENCES: Cu ON Bi AND P

CERTIFICATION:

APPENDIX X

Chemex Lab Certificates of Analysis for the Rock Samples collected on the Nad Claims by J.P. Jutras

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUK 1
Comments: ATTN: JENNIFER EATON CC/FAX: STEVE AMOUR FAX: BRUCE EVANS

Page Number : 1-A
Total Pages : 1
Certificate Date: 15-AUG-98
Invoice No. : I9827430
P.O. Number :
Account : QJD

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9827430

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
ANN-1	255	295	< 5	< 0.2	0.17	44	70	< 0.5	< 2	9.67	0.5	9	71	7	7.56	< 10	< 1	0.06	< 10	5.04	1120
643501	255	295	15	< 0.2	0.13	< 2	< 10	< 0.5	Intf*	2.08	< 0.5	65	291	4	2.57	< 10	< 1	< 0.01	< 10	>15.00	615
643502	255	295	< 5	< 0.2	0.26	< 2	< 10	< 0.5	Intf*	3.56	< 0.5	68	443	8	2.63	< 10	< 1	< 0.01	< 10	>15.00	735
643503	255	295	< 5	< 0.2	0.31	4	< 10	< 0.5	Intf*	1.74	< 0.5	73	517	5	2.67	< 10	< 1	< 0.01	< 10	>15.00	645
643504	255	295	< 5	< 0.2	0.05	< 2	1680	< 0.5	< 2	6.62	< 0.5	24	208	156	1.21	< 10	< 1	< 0.01	< 10	3.84	520
643505	255	295	10	< 0.2	0.18	2	30	< 0.5	2	4.65	< 0.5	75	450	1	3.81	< 10	< 1	< 0.01	< 10	3.20	970
643506	255	295	< 5	< 0.2	0.36	< 2	30	< 0.5	< 2	0.07	< 0.5	39	841	7	0.89	< 10	< 1	< 0.01	< 10	0.72	80
643507	255	295	< 5	< 0.2	0.14	234	220	< 0.5	< 2	2.80	< 0.5	60	338	12	5.35	< 10	2	0.01	< 10	6.55	550
643508	255	295	15	< 0.2	0.04	< 2	10	< 0.5	< 2	9.21	0.5	3	141	6	0.49	< 10	< 1	0.01	< 10	5.55	235
643509	255	295	< 5	< 0.2	0.41	< 2	10	< 0.5	Intf*	2.11	< 0.5	79	697	< 1	3.40	< 10	< 1	< 0.01	< 10	>15.00	455
643510	255	295	< 5	< 0.2	0.48	< 2	20	< 0.5	2	3.73	< 0.5	76	714	1	3.14	< 10	< 1	< 0.01	< 10	13.75	750
643511	255	295	< 5	< 0.2	0.55	< 2	< 10	< 0.5	Intf*	0.04	< 0.5	93	644	12	4.07	< 10	< 1	< 0.01	< 10	>15.00	315
643512	255	295	< 5	< 0.2	4.34	< 2	< 10	< 0.5	6	0.07	< 0.5	52	1630	20	3.10	< 10	< 1	< 0.01	< 10	14.35	1345
643513	255	295	< 5	< 0.2	0.24	< 2	< 10	< 0.5	Intf*	0.11	< 0.5	98	710	6	3.75	< 10	< 1	< 0.01	< 10	>15.00	655
643514	255	295	< 5	< 0.2	0.77	< 2	< 10	< 0.5	Intf*	0.34	< 0.5	87	873	11	3.85	< 10	< 1	< 0.01	< 10	>15.00	520
643515	255	295	< 5	< 0.2	0.21	< 2	< 10	< 0.5	Intf*	< 0.01	< 0.5	77	450	3	3.25	< 10	< 1	< 0.01	< 10	>15.00	450
643516	255	295	< 5	< 0.2	0.51	< 2	30	< 0.5	Intf*	0.53	< 0.5	87	856	13	3.67	< 10	< 1	< 0.01	< 10	>15.00	515
643517	255	295	< 5	< 0.2	2.85	16	360	0.5	< 2	0.17	< 0.5	24	54	129	4.67	< 10	< 1	0.21	< 10	1.10	2710
643518	255	295	< 5	< 0.2	1.08	8	120	< 0.5	< 2	0.05	< 0.5	15	170	44	2.22	< 10	< 1	0.06	< 10	0.73	1960
643519	255	295	< 5	< 0.2	0.22	10	80	< 0.5	< 2	0.08	< 0.5	7	292	10	1.92	< 10	< 1	0.02	< 10	0.22	1650
643520	255	295	< 5	< 0.2	0.31	2	30	< 0.5	Intf*	0.09	< 0.5	114	942	16	4.11	< 10	< 1	< 0.01	< 10	>15.00	275
643521	255	295	< 5	< 0.2	0.17	< 2	< 10	< 0.5	Intf*	< 0.01	< 0.5	84	767	1	3.44	< 10	< 1	< 0.01	< 10	>15.00	655
643522	255	295	< 5	< 0.2	0.30	< 2	< 10	< 0.5	Intf*	1.02	< 0.5	89	857	< 1	3.70	< 10	< 1	< 0.01	< 10	>15.00	325
643523	255	295	< 5	< 0.2	0.20	< 2	70	< 0.5	2	12.15	< 0.5	41	283	33	3.37	< 10	< 1	< 0.01	< 10	8.81	1010
643524	255	295	< 5	< 0.2	0.12	< 2	10	< 0.5	< 2	8.20	< 0.5	51	333	7	3.40	< 10	< 1	< 0.01	< 10	4.34	1000
643525	255	295	< 5	< 0.2	0.18	6	130	< 0.5	Intf*	1.44	< 0.5	71	534	< 1	3.88	< 10	< 1	< 0.01	< 10	>15.00	510
643526	255	295	< 5	0.2	0.23	6	250	< 0.5	2	10.25	< 0.5	33	629	29	2.30	< 10	< 1	< 0.01	< 10	6.11	570
643527	255	295	10	< 0.2	0.17	< 2	130	< 0.5	< 2	3.63	< 0.5	70	571	6	4.59	< 10	< 1	< 0.01	< 10	2.79	1275
643528	255	295	< 5	< 0.2	0.42	6	90	< 0.5	< 2	1.19	< 0.5	88	384	19	3.01	< 10	< 1	< 0.01	< 10	1.88	380

CERTIFICATION:

* INTERFERENCE: HIGH Mg ON Bi AND P

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUK 1
Comments: ATTN: JENNIFER EATON CC/FAX: STEVE AMOUR FAX: BRUCE EVANS

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Total Pages : 1
Certificate Date: 15-AUG-98
Invoice No. : 19827430
P.O. Number :
Account : QJD

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9827430

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
ANN-1	255	295	3	< 0.01	25	160	6	< 2	1	166	< 0.01	< 10	< 10	6	< 10	92
643501	255	295	< 1	< 0.01	1490	Intf*	< 2	< 2	3	53	< 0.01	< 10	< 10	5	< 10	30
643502	255	295	< 1	< 0.01	1285	Intf*	< 2	2	3	145	< 0.01	< 10	< 10	9	< 10	26
643503	255	295	< 1	< 0.01	1380	Intf*	2	< 2	4	75	< 0.01	< 10	< 10	10	< 10	24
643504	255	295	1	< 0.01	216	< 10	< 2	< 2	1	146	< 0.01	< 10	< 10	4	< 10	10
643505	255	295	1	< 0.01	439	< 10	4	< 2	3	126	< 0.01	< 10	< 10	9	< 10	16
643506	255	295	< 1	< 0.01	265	90	< 2	< 2	1	3	< 0.01	< 10	< 10	14	< 10	10
643507	255	295	< 1	< 0.01	760	< 10	< 2	2	6	98	< 0.01	< 10	< 10	11	< 10	44
643508	255	295	1	< 0.01	47	90	< 2	< 2	< 1	39	< 0.01	< 10	< 10	24	< 10	22
643509	255	295	2	< 0.01	1375	Intf*	< 2	< 2	5	45	< 0.01	< 10	< 10	12	< 10	30
643510	255	295	< 1	< 0.01	1360	< 10	< 2	< 2	5	67	< 0.01	< 10	< 10	12	< 10	30
643511	255	295	< 1	< 0.01	1585	Intf*	< 2	< 2	4	< 1	0.01	< 10	< 10	15	< 10	48
643512	255	295	< 1	< 0.01	729	< 10	< 2	< 2	20	3	0.04	< 10	< 10	116	< 10	36
643513	255	295	< 1	< 0.01	1755	Intf*	< 2	< 2	5	1	< 0.01	< 10	< 10	12	< 10	32
643514	255	295	< 1	< 0.01	1520	Intf*	2	< 2	7	8	0.01	< 10	< 10	25	< 10	36
643515	255	295	< 1	< 0.01	1465	Intf*	< 2	< 2	4	< 1	< 0.01	< 10	< 10	10	< 10	18
643516	255	295	< 1	< 0.01	1515	Intf*	< 2	< 2	6	4	< 0.01	< 10	< 10	16	< 10	32
643517	255	295	< 1	0.05	54	200	10	< 2	5	22	< 0.01	< 10	< 10	21	< 10	94
643518	255	295	10	0.01	29	120	304	< 2	1	7	< 0.01	< 10	< 10	13	< 10	42
643519	255	295	< 1	< 0.01	22	60	26	< 2	1	10	< 0.01	< 10	< 10	6	< 10	30
643520	255	295	< 1	< 0.01	2000	Intf*	2	2	5	4	< 0.01	< 10	< 10	14	< 10	32
643521	255	295	< 1	< 0.01	1760	Intf*	< 2	< 2	4	< 1	< 0.01	< 10	< 10	10	< 10	38
643522	255	295	< 1	< 0.01	1665	Intf*	< 2	< 2	5	36	< 0.01	< 10	< 10	13	< 10	26
643523	255	295	< 1	< 0.01	603	10	< 2	2	7	267	< 0.01	< 10	10	13	< 10	28
643524	255	295	< 1	< 0.01	859	< 10	2	< 2	5	123	< 0.01	< 10	< 10	13	< 10	12
643525	255	295	< 1	< 0.01	1655	Intf*	< 2	< 2	4	40	< 0.01	< 10	< 10	12	< 10	32
643526	255	295	< 1	< 0.01	497	< 10	< 2	< 2	4	647	< 0.01	< 10	< 10	11	< 10	24
643527	255	295	1	< 0.01	761	10	< 2	< 2	5	83	< 0.01	< 10	< 10	14	< 10	30
643528	255	295	1	< 0.01	786	< 10	< 2	< 2	3	25	< 0.01	< 10	< 10	13	< 10	14

* INTERFERENCE: HIGH Mg ON Bi AND P

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUK1
Comments: ATTN:JENNIFER EATON CC:STEVE

Page Number : 1-A
Total Pages : 1
Certificate Date: 18-AUG-98
Invoice No. : I9827962
P.O. Number :
Account : QJD

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9827962

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
643529	255	295	< 5	-----	< 0.2	0.07	< 2	10	< 0.5	< 2	3.76	< 0.5	1	135	12	0.86	< 10	< 1	0.04	< 10	0.17
643530	255	295	< 5	-----	< 0.2	0.08	10	10	< 0.5	< 2	2.68	< 0.5	1	139	12	0.68	< 10	< 1	0.04	< 10	0.14
643531	255	295	< 5	-----	< 0.2	0.15	32	60	< 0.5	< 2	0.06	< 0.5	11	170	9	2.96	< 10	< 1	0.03	< 10	0.01
643532	255	295	< 5	-----	< 0.2	5.40	2	230	< 0.5	< 2	1.54	< 0.5	49	147	3	10.20	10	< 1	0.04	< 10	1.85
643533	255	295	< 5	-----	< 0.2	0.23	< 2	30	< 0.5	< 2	3.15	< 0.5	4	90	3	1.07	< 10	< 1	0.09	< 10	1.03
643534	255	295	< 5	-----	< 0.2	0.01	< 2	60	< 0.5	< 2	0.76	< 0.5	1	201	5	0.29	< 10	< 1	< 0.01	< 10	0.49
643535	255	295	< 5	-----	< 0.2	0.16	8	10	< 0.5	< 2	5.55	< 0.5	4	152	7	0.68	< 10	< 1	0.02	< 10	3.43
643536	255	295	< 5	-----	< 0.2	0.04	< 2	10	< 0.5	< 2	4.13	< 0.5	1	160	7	0.32	< 10	< 1	0.01	< 10	2.67
643537	255	295	< 5	-----	< 0.2	0.03	< 2	< 10	< 0.5	< 2	3.37	< 0.5	1	160	4	0.47	< 10	< 1	< 0.01	< 10	2.08
643538	255	295	< 5	-----	< 0.2	0.12	10	60	< 0.5	< 2	7.05	< 0.5	246	291	52	2.13	< 10	< 1	< 0.01	< 10	5.02
643539	255	295	10	-----	< 0.2	0.07	< 2	90	< 0.5	< 2	0.01	< 0.5	< 1	87	3	0.33	< 10	< 1	0.03	< 10	0.01
643540	255	295	>10000	20.37	0.4	0.03	52	10	< 0.5	Intf*	0.18	10.5	853	121	>10000	>15.00	< 10	< 1	< 0.01	< 10	0.27
643541	255	295	8300	-----	0.2	0.05	76	10	< 0.5	Intf*	2.87	11.0	1565	115	>10000	>15.00	< 10	< 1	< 0.01	< 10	1.53
643542	255	295	10	-----	< 0.2	2.23	8	110	< 0.5	< 2	0.78	< 0.5	14	87	116	5.25	10	< 1	0.09	40	2.50
643543	255	295	70	-----	0.4	0.27	66	690	< 0.5	< 2	< 0.01	< 0.5	1	27	99	7.17	< 10	4	0.08	< 10	0.01
643544	255	295	55	-----	< 0.2	0.18	20	340	< 0.5	< 2	0.54	0.5	10	173	524	1.36	< 10	< 1	0.11	< 10	0.22
643545	255	295	25	-----	< 0.2	0.66	6	550	< 0.5	2	0.02	< 0.5	12	145	82	2.86	< 10	< 1	< 0.01	< 10	0.31
643546	255	295	25	-----	< 0.2	0.62	10	530	< 0.5	< 2	0.02	< 0.5	10	146	55	1.51	< 10	< 1	0.05	< 10	0.39
643547	255	295	< 5	-----	< 0.2	0.13	18	290	< 0.5	< 2	0.17	< 0.5	2	189	24	1.15	< 10	< 1	0.06	< 10	0.07
643548	255	295	< 5	-----	< 0.2	0.59	6	80	< 0.5	< 2	< 0.01	< 0.5	9	163	21	1.55	< 10	< 1	0.03	< 10	0.25
643549	255	295	< 5	-----	< 0.2	0.42	6	1060	< 0.5	< 2	7.26	< 0.5	84	1015	30	3.05	< 10	< 1	< 0.01	< 10	3.87
643550	255	295	20	-----	< 0.2	0.15	< 2	10	< 0.5	< 2	10.65	< 0.5	41	353	9	1.81	< 10	< 1	< 0.01	< 10	6.01
643551	255	295	< 5	-----	< 0.2	1.34	< 2	80	< 0.5	< 2	6.65	< 0.5	32	203	23	2.34	< 10	< 1	0.10	< 10	4.50
643552	255	295	< 5	-----	< 0.2	0.17	< 2	110	< 0.5	< 2	7.74	< 0.5	5	81	30	3.02	< 10	< 1	0.03	< 10	3.71
643553	255	295	< 5	-----	< 0.2	0.27	8	30	< 0.5	6	0.11	< 0.5	80	877	12	3.72	< 10	< 1	< 0.01	< 10	>15.00
643554	255	295	< 5	-----	2.0	0.04	12	40	< 0.5	2	7.64	21.5	< 1	115	8	0.61	< 10	< 1	0.01	< 10	4.39
643555	255	295	< 5	-----	>100.0	0.03	32	20	< 0.5	< 2	4.53	2.0	< 1	114	43	0.29	< 10	< 1	0.01	< 10	2.65
643556	255	295	< 5	-----	1.0	0.04	78	30	< 0.5	< 2	0.58	5.5	< 1	178	19	0.38	< 10	1	0.01	< 10	0.36
643557	255	295	< 5	-----	0.6	0.16	< 2	40	< 0.5	< 2	3.56	< 0.5	3	126	6	1.65	< 10	< 1	0.11	< 10	1.18

* INTERFERENCES: Cu on Bi and P

CERTIFICATION: [signature]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUK1
Comments: ATTN:JENNIFER EATON CC:STEVE

Certificate Date: 18-AUG-98
Invoice No. : I9827962
P.O. Number :
Account : QJD

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9827962

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
643529	255	295	525	3	< 0.01	4	200	8	< 2	< 1	546	< 0.01	< 10	< 10	1	< 10	18
643530	255	295	385	1	< 0.01	5	150	6	< 2	< 1	348	< 0.01	< 10	< 10	1	< 10	14
643531	255	295	180	1	< 0.01	17	100	12	< 2	< 1	25	< 0.01	< 10	< 10	6	< 10	14
643532	255	295	1250	10	0.01	115	860	20	< 2	12	91	< 0.01	< 10	< 10	109	< 10	214
643533	255	295	870	1	0.01	7	80	< 2	< 2	1	75	< 0.01	< 10	< 10	4	< 10	14
643534	255	295	190	4	< 0.01	6	< 10	< 2	< 2	< 1	6	< 0.01	< 10	10	5	< 10	2
643535	255	295	890	4	< 0.01	18	50	< 2	< 2	< 1	49	< 0.01	< 10	< 10	25	< 10	14
643536	255	295	75	8	< 0.01	9	10	92	< 2	< 1	31	< 0.01	< 10	10	46	< 10	10
643537	255	295	250	4	< 0.01	5	20	< 2	< 2	< 1	67	< 0.01	< 10	< 10	12	< 10	8
643538	255	295	530	< 1	< 0.01	3630	< 10	< 2	< 2	1	421	< 0.01	< 10	< 10	2	< 10	36
643539	255	295	5	< 1	< 0.01	8	30	< 2	< 2	< 1	6	< 0.01	< 10	< 10	1	< 10	< 2
643540	255	295	45	9	0.01	3330	Intf*	140	< 2	< 1	1	< 0.01	< 10	< 10	< 1	10	220
643541	255	295	360	3	0.01	5680	Intf*	112	2	< 1	27	< 0.01	< 10	< 10	< 1	< 10	188
643542	255	295	550	3	0.05	40	460	42	< 2	10	72	0.15	< 10	< 10	71	< 10	114
643543	255	295	5	18	< 0.01	8	530	< 2	6	< 1	38	< 0.01	< 10	< 10	215	< 10	60
643544	255	295	115	1	< 0.01	43	110	10	< 2	2	24	< 0.01	< 10	< 10	8	< 10	16
643545	255	295	>10000	< 1	< 0.01	11	90	2	< 2	4	8	< 0.01	< 10	< 10	22	< 10	60
643546	255	295	1395	1	< 0.01	16	150	< 2	< 2	< 1	8	< 0.01	< 10	< 10	27	< 10	52
643547	255	295	85	2	< 0.01	13	190	6	< 2	< 1	10	< 0.01	< 10	< 10	21	< 10	28
643548	255	295	3850	1	< 0.01	7	100	12	< 2	< 1	5	< 0.01	< 10	< 10	11	< 10	32
643549	255	295	995	1	< 0.01	1390	< 10	2	< 2	7	192	< 0.01	< 10	< 10	18	< 10	28
643550	255	295	730	< 1	< 0.01	1070	30	< 2	< 2	3	162	< 0.01	< 10	< 10	5	< 10	40
643551	255	295	665	< 1	< 0.01	549	40	< 2	< 2	3	169	< 0.01	< 10	< 10	8	< 10	38
643552	255	295	2590	1	< 0.01	33	200	20	< 2	1	304	< 0.01	< 10	< 10	4	< 10	94
643553	255	295	550	< 1	< 0.01	1700	< 10	< 2	< 2	5	6	< 0.01	< 10	< 10	11	< 10	30
643554	255	295	590	1	< 0.01	3	220	2540	< 2	< 1	41	< 0.01	< 10	< 10	2	< 10	4030
643555	255	295	210	1	< 0.01	12	70	>10000	180	< 1	37	< 0.01	< 10	< 10	1	< 10	36
643556	255	295	75	1	< 0.01	5	100	722	2	< 1	3	< 0.01	< 10	< 10	1	< 10	1985
643557	255	295	1585	1	< 0.01	6	60	836	< 2	1	47	< 0.01	< 10	< 10	2	< 10	26

CERTIFICATION: Frank Biollo

* INTERFERENCES: Cu on Bi and P

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN: J. EATON/B. EVANS CC: STEVE AMOR

Page Number : 1-A
Total Pages : 1
Certificate Date: 30-AUG-1998
Invoice No. : I9829002
P.O. Number :
Account : QJD

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9829002

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
ANN 02	205	226	< 5	< 0.2	4.56	16	10	< 0.5	< 2	1.58	< 0.5	34	90	97	8.27	10	< 1	0.04	< 10	3.78	940
ANN 03	205	226	< 5	1.0	0.71	68	10	< 0.5	< 2	0.23	0.5	6	140	10	3.33	< 10	< 1	0.38	< 10	0.09	475
643558	205	226	< 5	< 0.2	0.34	2	30	< 0.5	< 2	4.54	< 0.5	9	189	4	6.18	< 10	< 1	0.03	< 10	1.10	1220
643559	205	226	< 5	< 0.2	0.35	< 2	20	< 0.5	< 2	4.77	< 0.5	98	886	1	5.92	< 10	< 1	< 0.01	< 10	4.85	715
643560	205	226	< 5	< 0.2	2.29	4	470	0.5	< 2	1.48	< 0.5	20	104	33	3.80	< 10	< 1	0.36	< 10	1.76	475
643561	205	226	< 5	< 0.2	0.37	6	570	< 0.5	< 2	0.10	< 0.5	5	176	29	1.51	< 10	< 1	0.07	< 10	0.07	1765
643562	205	226	< 5	< 0.2	1.00	8	60	< 0.5	< 2	0.11	< 0.5	6	148	3	3.21	< 10	< 1	0.09	< 10	0.26	1155
643563	205	226	< 5	< 0.2	0.10	< 2	80	< 0.5	< 2	>15.00	< 0.5	< 1	4	4	0.19	< 10	< 1	0.05	< 10	0.20	85
643564	205	226	< 5	< 0.2	0.15	12	< 10	< 0.5	< 2	14.25	< 0.5	7	15	< 1	2.95	< 10	< 1	0.02	< 10	3.30	780
643565	205	226	< 5	< 0.2	0.33	2	90	< 0.5	< 2	1.50	< 0.5	4	103	1	1.31	< 10	< 1	0.25	10	0.24	1015
643566	205	226	< 5	< 0.2	0.33	4	10	< 0.5	< 2	0.63	< 0.5	1	224	8	0.88	< 10	< 1	0.07	< 10	0.06	35
643567	205	226	< 5	< 0.2	2.55	< 2	60	< 0.5	< 2	1.28	< 0.5	22	145	15	4.64	< 10	< 1	0.01	< 10	2.35	805
643568	205	226	< 5	< 0.2	0.01	< 2	< 10	< 0.5	6	14.15	< 0.5	< 1	< 1	1	0.19	< 10	< 1	< 0.01	< 10	9.31	185
643569	205	226	< 5	< 0.2	5.40	54	120	< 0.5	< 2	1.87	< 0.5	31	33	6	9.42	10	< 1	0.04	< 10	4.48	680
643570	205	226	< 5	< 0.2	0.04	< 2	< 10	< 0.5	4	14.90	< 0.5	< 1	< 1	< 1	0.65	< 10	< 1	< 0.01	< 10	9.43	895
643571	205	226	< 5	< 0.2	0.14	28	10	< 0.5	2	11.50	< 0.5	4	15	2	2.94	< 10	< 1	0.08	< 10	4.39	1200
643572	205	226	< 5	< 0.2	0.21	< 2	400	< 0.5	< 2	8.53	< 0.5	2	38	7	3.13	< 10	< 1	0.10	< 10	4.51	970
643573	205	226	< 5	< 0.2	0.14	< 2	10	< 0.5	4	12.00	< 0.5	1	4	1	1.29	< 10	< 1	0.11	< 10	7.21	1115
643574	205	226	< 5	< 0.2	0.87	8	20	< 0.5	2	>15.00	< 0.5	4	< 1	21	4.98	< 10	< 1	0.10	< 10	2.68	845
643575	205	226	< 5	< 0.2	0.18	6	20	< 0.5	2	13.35	< 0.5	6	12	7	3.79	< 10	< 1	0.09	< 10	3.36	1225
643576	205	226	< 5	< 0.2	0.06	< 2	10	< 0.5	< 2	>15.00	< 0.5	1	7	3	0.36	< 10	< 1	0.04	< 10	2.77	250
643577	205	226	< 5	< 0.2	0.03	< 2	< 10	< 0.5	2	14.85	< 0.5	3	< 1	< 1	0.32	< 10	< 1	< 0.01	< 10	9.60	395
643578	205	226	< 5	< 0.2	2.08	< 2	1320	1.0	< 2	6.88	< 0.5	24	95	37	5.75	10	< 1	0.28	50	2.28	1160
643579	205	226	< 5	< 0.2	3.45	< 2	960	1.0	< 2	4.29	< 0.5	32	62	74	7.51	10	< 1	0.48	40	3.30	1170
643580	205	226	< 5	< 0.2	0.62	22	120	< 0.5	< 2	9.72	< 0.5	16	20	23	3.09	< 10	< 1	0.09	50	0.68	1160
643581	205	226	< 5	< 0.2	0.75	12	100	0.5	< 2	7.09	< 0.5	6	26	11	2.27	< 10	< 1	0.16	50	0.45	745
643582	205	226	< 5	< 0.2	0.96	12	190	0.5	< 2	13.10	< 0.5	20	155	34	3.68	< 10	< 1	0.20	20	0.65	675
643583	205	226	160	26.4	0.25	678	10	< 0.5	Intf*	3.16	26.0	696	104	>10000	6.22	< 10	< 1	0.03	< 10	1.22	1170
643584	205	226	< 5	< 0.2	0.60	10	10	< 0.5	< 2	12.90	< 0.5	10	12	156	4.56	< 10	< 1	0.15	< 10	2.93	2370
643585	205	226	< 5	< 0.2	0.26	< 2	< 10	< 0.5	< 2	>15.00	< 0.5	7	54	190	1.42	< 10	< 1	0.01	10	0.94	2360
643586	205	226	< 5	< 0.2	5.42	6	10	< 0.5	< 2	0.45	< 0.5	46	134	29	9.65	10	< 1	0.01	< 10	4.84	715
643587	205	226	< 5	8.0	1.51	14	< 10	< 0.5	Intf*	0.19	< 0.5	17	79	>10000	5.24	< 10	< 1	0.06	< 10	1.11	335
643588	205	226	195	21.0	0.18	530	< 10	< 0.5	Intf*	0.60	< 0.5	18	81	>10000	10.70	< 10	< 1	0.08	< 10	0.24	375
643589	205	226	10	32.0	2.65	2	< 10	< 0.5	Intf*	0.78	< 0.5	23	74	>10000	7.95	< 10	< 1	0.02	< 10	2.24	640

[illegible] A9829550
for overlimit Cu.

CERTIFICATION: [illegible]

* INTERFERENCES: Cu ON Bi AND P

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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Project : MCK YUKI
Comments: ATTN: J. EATON/B. EVANS CC: STEVE AMOR

Certificate Date: 30-AUG-1998
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* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9829002

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
ANN 02	205	226	1	< 0.01	46	290	6	< 2	25	8	0.23	< 10	10	244	< 10	164
ANN 03	205	226	19	< 0.01	28	1100	110	2	2	3	< 0.01	< 10	< 10	40	< 10	290
643558	205	226	< 1	< 0.01	14	760	6	< 2	1	26	< 0.01	< 10	10	7	< 10	26
643559	205	226	< 1	< 0.01	1430	30	< 2	< 2	6	89	< 0.01	< 10	10	20	< 10	28
643560	205	226	< 1	0.01	222	1860	8	< 2	4	69	< 0.01	< 10	< 10	26	< 10	70
643561	205	226	1	0.01	14	50	6	< 2	2	13	< 0.01	< 10	< 10	12	< 10	22
643562	205	226	1	0.01	13	460	102	< 2	2	7	< 0.01	< 10	< 10	6	< 10	104
643563	205	226	< 1	0.01	1	110	18	< 2	< 1	1100	< 0.01	< 10	10	1	< 10	12
643564	205	226	< 1	< 0.01	7	60	4	< 2	< 1	232	< 0.01	< 10	10	1	< 10	14
643565	205	226	< 1	< 0.01	4	260	20	< 2	2	36	< 0.01	< 10	< 10	6	< 10	30
643566	205	226	1	0.01	5	1790	6	< 2	< 1	41	< 0.01	< 10	< 10	3	< 10	20
643567	205	226	1	0.02	61	120	88	2	4	28	0.19	< 10	< 10	72	< 10	282
643568	205	226	< 1	0.01	1	90	8	< 2	< 1	79	< 0.01	< 10	< 10	1	< 10	18
643569	205	226	1	0.01	42	270	6	6	33	17	< 0.01	< 10	< 10	267	< 10	110
643570	205	226	< 1	0.01	< 1	30	10	2	< 1	24	< 0.01	< 10	< 10	< 1	< 10	24
643571	205	226	< 1	0.01	5	80	6	2	1	51	< 0.01	< 10	< 10	3	< 10	26
643572	205	226	1	0.01	2	90	10	< 2	4	36	< 0.01	< 10	< 10	12	< 10	20
643573	205	226	< 1	0.01	3	120	10	< 2	1	10	< 0.01	< 10	< 10	3	< 10	24
643574	205	226	< 1	0.01	9	250	22	< 2	5	630	< 0.01	< 10	20	11	< 10	28
643575	205	226	< 1	0.01	7	80	2	< 2	3	168	< 0.01	< 10	10	13	< 10	32
643576	205	226	< 1	0.01	< 1	170	26	< 2	< 1	277	< 0.01	< 10	< 10	4	< 10	68
643577	205	226	< 1	0.01	1	120	6	2	< 1	4	< 0.01	< 10	< 10	< 1	< 10	24
643578	205	226	< 1	0.03	42	2420	6	< 2	4	490	0.15	< 10	10	117	< 10	92
643579	205	226	< 1	0.01	36	2220	2	< 2	5	267	0.28	< 10	10	180	< 10	104
643580	205	226	13	0.05	10	2390	8	< 2	4	758	< 0.01	< 10	< 10	42	< 10	22
643581	205	226	13	0.08	7	1600	26	< 2	2	681	< 0.01	< 10	10	37	< 10	106
643582	205	226	1	0.03	39	2040	4	< 2	11	329	0.01	< 10	10	160	< 10	30
643583	205	226	9	0.01	157	Intf*	238	2	6	24	< 0.01	< 10	< 10	84	< 10	9660
643584	205	226	< 1	0.02	15	30	6	< 2	16	104	< 0.01	< 10	10	24	< 10	230
643585	205	226	< 1	0.01	5	20	24	< 2	18	104	< 0.01	< 10	10	11	< 10	24
643586	205	226	1	0.01	72	260	6	2	30	4	< 0.01	< 10	10	253	< 10	210
643587	205	226	3	0.02	27	Intf*	12	2	11	3	< 0.01	< 10	< 10	110	< 10	102
643588	205	226	7	0.01	27	Intf*	18	< 2	4	3	< 0.01	< 10	< 10	11	< 10	48
643589	205	226	2	0.03	24	Intf*	2	< 2	15	9	0.05	< 10	< 10	207	< 10	120

CERTIFICATION: Hart Bichler

* INTERFERENCES: Cu ON Bi AND P

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN: JENNIFER EATON CC: STEVE AMOR

Page Number : 1-A
Total Pages : 1
Certificate Date: 07-SEP-1998
Invoice No. : I9829487
P.O. Number :
Account : QJD

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9829487

OKM

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
643590	205	226	< 5	0.2	0.12	< 2	10	< 0.5	< 2	0.14	1.5	6	46	8	>15.00	< 10	< 1	0.08	< 10	1.52	>10000
643591	205	226	< 5	2.4	0.36	34	10	< 0.5	< 2	0.53	5.5	15	43	47	14.20	< 10	< 1	0.22	< 10	1.03	>10000
643592	205	226	20	17.6	0.09	16	< 10	< 0.5	Intf*	0.06	< 0.5	13	97	>10000	5.40	< 10	< 1	0.06	< 10	0.03	500
643593	205	226	15	11.8	0.34	46	10	< 0.5	< 2	0.11	0.5	24	132	1340	3.80	< 10	< 1	0.22	< 10	0.05	665
643594	205	226	< 5	0.2	2.38	54	20	< 0.5	< 2	0.49	< 0.5	31	39	131	5.54	10	< 1	0.14	< 10	1.70	1475
643595	205	226	25	0.6	0.30	64	< 10	< 0.5	< 2	0.03	< 0.5	3	149	44	5.44	< 10	< 1	0.17	< 10	0.05	245
643596	205	226	< 5	< 0.2	0.06	< 2	< 10	< 0.5	< 2	0.26	< 0.5	< 1	69	3	>15.00	< 10	< 1	0.03	< 10	2.37	>10000
643597	205	226	10	< 0.2	0.98	30	20	< 0.5	< 2	0.16	< 0.5	< 1	77	20	3.03	< 10	< 1	0.30	10	0.29	190
643598	205	226	5	0.2	1.71	44	< 10	< 0.5	< 2	0.22	< 0.5	9	118	84	3.62	10	< 1	0.07	< 10	1.77	120
643599	205	226	< 5	< 0.2	0.07	10	< 10	< 0.5	< 2	0.54	< 0.5	1	203	12	2.06	< 10	< 1	0.03	< 10	0.15	1590
643600	205	226	< 5	< 0.2	2.22	< 2	< 10	< 0.5	< 2	10.20	< 0.5	17	191	21	3.33	10	< 1	0.01	< 10	2.18	1420
643601	205	226	< 5	< 0.2	5.42	< 2	< 10	< 0.5	2	1.50	< 0.5	33	382	6	8.21	10	< 1	< 0.01	< 10	4.66	1440
643602	205	226	5	0.6	0.03	22	< 10	< 0.5	< 2	0.08	< 0.5	63	92	60	>15.00	< 10	< 1	< 0.01	< 10	0.77	7760
643603	205	226	< 5	< 0.2	1.42	< 2	50	< 0.5	< 2	1.31	< 0.5	6	138	17	2.64	< 10	< 1	0.14	< 10	0.43	380
643604	205	226	< 5	< 0.2	2.00	< 2	100	< 0.5	< 2	0.32	< 0.5	20	64	126	2.63	< 10	< 1	0.12	20	1.23	30
643605	205	226	20	0.6	1.98	32	10	< 0.5	< 2	0.20	< 0.5	205	95	2040	12.80	10	< 1	0.08	30	1.04	180
643606	205	226	5	3.4	0.13	10	10	< 0.5	Intf*	4.78	15.5	744	361	>10000	9.63	10	< 1	< 0.01	< 10	2.76	730
643607	205	226	9720	6.8	0.13	68	< 10	< 0.5	Intf*	5.09	23.5	1030	224	>10000	>15.00	10	< 1	< 0.01	< 10	2.94	435
643608	205	226	50	1.2	1.14	64	10	< 0.5	< 2	0.33	3.5	13	171	817	3.20	< 10	< 1	0.18	20	0.65	135
643609	205	226	15	0.6	1.06	10	< 10	< 0.5	< 2	0.17	1.5	8	193	207	4.03	< 10	< 1	0.05	< 10	0.96	145
643610	205	226	325	0.6	0.48	10	10	< 0.5	< 2	0.60	8.0	25	93	1165	2.63	< 10	< 1	0.11	< 10	0.34	85
643611	205	226	25	< 0.2	1.90	< 2	10	0.5	< 2	0.31	< 0.5	5	95	41	2.28	< 10	< 1	0.43	10	1.26	135
643612	205	226	10	13.2	1.11	24	< 10	0.5	< 2	2.35	96.5	16	145	177	2.35	< 10	3	0.01	10	1.07	355
643613	205	226	10	0.8	3.08	64	< 10	< 0.5	< 2	1.94	< 0.5	75	138	299	7.00	10	< 1	0.01	< 10	2.75	720
643614	205	226	10	1.6	3.02	114	< 10	< 0.5	8	2.07	< 0.5	46	116	306	9.01	10	< 1	0.03	< 10	2.89	835
643615	205	226	10	0.6	2.37	76	< 10	< 0.5	< 2	0.33	3.0	38	97	167	5.24	10	< 1	0.06	< 10	2.67	340

CERTIFICATION: [signature]

* INTERFERENCE: Cu on Bi and P

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN: JENNIFER EATON CC: STEVE AMOR

Certificate Date: 07-SEP-1998
Invoice No. : I9829487
P.O. Number :
Account : QJD

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9829487

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
643590	205	226	1	< 0.01	19	90	30	< 2	7	5	< 0.01	< 10	10	19	< 10	270
643591	205	226	1	< 0.01	22	630	808	< 2	11	4	< 0.01	< 10	< 10	48	< 10	1540
643592	205	226	< 1	< 0.01	17	Intf*	32	28	2	< 1	< 0.01	< 10	< 10	5	< 10	34
643593	205	226	14	< 0.01	20	540	60	44	2	1	< 0.01	< 10	< 10	14	< 10	94
643594	205	226	< 1	< 0.01	36	290	44	< 2	6	9	0.22	< 10	< 10	123	< 10	126
643595	205	226	11	< 0.01	24	380	16	< 2	1	1	< 0.01	< 10	< 10	17	< 10	16
643596	205	226	3	< 0.01	13	90	10	< 2	9	1	< 0.01	< 10	< 10	10	< 10	74
643597	205	226	25	< 0.01	44	960	2	< 2	2	4	< 0.01	< 10	< 10	56	< 10	38
643598	205	226	10	0.01	118	670	18	< 2	1	2	< 0.01	< 10	< 10	116	< 10	44
643599	205	226	3	< 0.01	8	10	2	< 2	2	3	< 0.01	< 10	< 10	6	< 10	18
643600	205	226	3	< 0.01	40	30	4	< 2	12	30	< 0.01	10	< 10	79	< 10	64
643601	205	226	< 1	< 0.01	87	110	4	< 2	16	9	0.01	< 10	< 10	150	< 10	186
643602	205	226	3	< 0.01	36	< 10	38	< 2	4	1	< 0.01	< 10	< 10	6	< 10	98
643603	205	226	3	0.01	17	30	8	< 2	2	31	< 0.01	< 10	< 10	12	< 10	50
643604	205	226	3	0.05	28	150	2	< 2	3	18	< 0.01	< 10	< 10	16	< 10	14
643605	205	226	9	0.01	131	750	10	< 2	4	6	< 0.01	< 10	< 10	30	< 10	12
643606	205	226	3	0.01	2610	Intf*	70	< 2	3	54	< 0.01	< 10	< 10	7	10	810
643607	205	226	2	< 0.01	4270	Intf*	70	< 2	2	62	< 0.01	< 10	< 10	5	< 10	248
643608	205	226	9	< 0.01	153	1230	262	< 2	1	5	< 0.01	< 10	< 10	101	< 10	724
643609	205	226	15	0.01	64	630	48	< 2	1	2	< 0.01	< 10	< 10	90	< 10	286
643610	205	226	34	0.01	249	2120	32	< 2	3	3	0.06	< 10	< 10	141	< 10	1215
643611	205	226	14	0.02	46	690	12	< 2	2	2	< 0.01	< 10	< 10	98	< 10	54
643612	205	226	5	0.01	19	60	9770	6	5	9	0.01	< 10	< 10	81	< 10	>10000
643613	205	226	3	0.03	85	330	44	< 2	15	11	0.03	< 10	< 10	216	< 10	198
643614	205	226	3	0.01	157	290	282	< 2	11	12	< 0.01	< 10	< 10	197	< 10	122
643615	205	226	14	0.01	86	910	68	< 2	6	3	0.13	< 10	< 10	201	< 10	328

* INTERFERENCE: Cu on Bi and P

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN: J. EATON/B. EVANS CC: STEVE AMOR

Page Number : 1
Total Pages : 1
Certificate Date: 02-SEP-1998
Invoice No. : I9829530
P.O. Number :
Account : QJD

J.P.'s samples

CERTIFICATE OF ANALYSIS A9829530

SAMPLE	PREP CODE		Cu %
643583	244	--	1.75
643587	244	--	2.37
643588	244	--	10.75
643589	244	--	1.55

OVERLIMITS from A9829002

CERTIFICATION:

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: MANSON CREEK RESOURCES LTD.

1000 - 800 5TH AVE. S.W.
CALGARY, AB
T2P 3T6

Project : MCK YUKI
Comments: ATTN: JENNIFER EATON CC: STEVE AMOR

Page Number : 1
Total Pages : 1
Certificate Date: 09-SEP-1991
Invoice No. : I9830118
P.O. Number :
Account : QJD

CERTIFICATE OF ANALYSIS A9830118

SAMPLE	PREP CODE		Cu %	Zn %
643592	244	--	2.41	-----
643606	244	--	5.27	-----
643607	244	--	6.85	-----
643612	244	--	-----	3.12

OVERLIMITS from A9829487

CERTIFICATION: [signature]

APPENDIX XI

Statement of Costs and Expenditures for Rusty, KLA, Vera, Val, Nad and Craig Claims

Revised Detailed Statement of Work and Costs to accompany Form 4-Rusty Claims

Total Man Days Spent on RUSTY Claims	36	
Total Number of Rusty Claims	122	
Note: (5 have been grouped with VAL)		
Total Number of Claims in Project*	541	*Nad,Clark,Craig,KLA,Rusty,Vera,Val
Total Man Days Spent on all Claims	612	includes IP crew and helicopter pilot

Project Geological	Cost per day	# of Days on Rusty		
George Sivertz	400	19	7600	
Anne Bordeleau	212	7	1484	
Kaori Torigai	200	2	400	
Marko Stefanovic	200	2	400	
Panya Lipovsky	200	6	1200	
			0	
Bruce Evans	400	0	0	
J.P. Jutras	280	0	0	
Wes Raven	400	0	0	
Jennifer Eaton	250	0	0	
	Total Days	**36**		**11,084.00**

Camp Costs

Camp Cook	12752	Maria Hutton		
Courier de Bois	9023	Construction of Camp		
Camp Costs	88455	Tents, frames,groceries,supplies etc.		
Communications	1168	Satellite/phones		
Freight/Exp.	10369	Speedy Expediting		
Other Camp Costs	21612			
Truck	6250			
ATV	5000			
Generator	3750			
		Total Camp Costs	158,378.79	
		Total Man days spent on all claims	612	
		Camp costs per man day	258.79	
		Camp Costs allocated to Rusty		**9,316.40**

Revised Detailed Statement of Work and Costs to accompany Form 4-Rusty Claims

Aviation		Less Clark Allocation	Pro-rated over 505 claims	
Fixed Wing	98437		195	**23,780.82**
Helicopter	157739	152339	302	**36,844.00**
Fuel	19933	18603	37	**4,514.00**
Landstat			Pro-rated over 541 claims	
RGI	5075		9.38	**1,144.45**
Air Photographs				
J. Kende	7925		14.65	**1,787.15**
Geochemistry				
			Pro rated over 505 claims	
S. Amor-Consultant	7534		15	**1,830.00**
Chemex Labs				
Stream Sediment samples			Number of Samples	
Certificate A9829620		$9.10	41	**373.10**
Certificate A9828921		$18.85	18	**339.30**
Acme Labs				
Rock Samples	5		28.52	**142.60**
Mob/DeMob	14578			**1,071.04**
			Grand Total	**$92,226.86**
			Assessment required for 5 years	$61,000.00

Revised Detailed Statement of Work and Costs to accompany Form 4-Rusty Claims

Various Mobilization Cost Scenarios		$$'s per claim
Grand Total	92226.86	$755.96
Fixed Wing	23780.82	
Helicopter	36844	
Fuel	4514	
Mob/DeMob	1071.04	
Sum of fixed wing, helicopter,Fuel, Mob/DeMob	66209.86	
No Aviation, No Mob/DeMob	26017	$213.25
Helicopter only, no fuel	62861	$515.25
Helicopter, half of fuel	63396.52	$519.64

Detailed Statement of Work and Costs to accompany Form 4-KLA Claims

Total Man Days Spent on KLA Claims	9	
Total Number of KLA Claims	48	
Total Number of Claims in Project*	541	*Nad,Clark,Craig,KLA,Rusty,Vera,Val
Total Man Days Spent on all Claims	490	

Project Geological	Cost per day	# of Days on KLA		
George Sivertz	400	2	$800.00	
Anne Bordeleau	212	1	$212.00	
Kaori Torigai	200	2	$400.00	
Marko Stefanovic	200	2	$400.00	
Panya Lipovsky	200	2	$400.00	
			$0.00	
Bruce Evans	400	0	$0.00	
J.P. Jutras	280	0	$0.00	
Wes Raven	400	0	$0.00	
Jennifer Eaton	250	0	$0.00	
	Total Days	**9**		**$2,212.00**

Camp Costs

Camp Cook	12752	Maria Hutton		
Courier de Bois	9023	Construction of Camp		
Camp Costs	88455	Tents, frames,groceries,supplies etc.		
Communications	1168	Satellite/phones		
Freight/Exp.	10369	Speedy Expediting		
Other Camp Costs	21612			
Truck	6250			
ATV	5000			
Generator	3750			
		Total Camp Costs	158,378.79	
		Total Man days spent on all claims	490.00	
		Camp costs per man day	323.22	
		Camp Costs allocated to KLA		**$2,909.00**

Aviation	Less Clark Allocation	Pro-rated over 505 claims

Detailed Statement of Work and Costs to accompany Form 4-KLA Claims

Fixed Wing	98437		195	**$9,356.39**
Helicopter	157739	152339	302	**$14,496.00**
Fuel	19933	18603	37	**$1,776.00**
Landstat			Pro-rated over 541 claims	
RGI	5075		9.38	**$450.28**
Air Photographs				
J. Kende	7925		14.65	**$703.05**
Geochemistry				
			Pro rated over 505 claims	
S. Amor-Consultant	7534		14.92	**$716.10**
Acme Labs				
	# of samples	Cert No.		
Rocks Paka and Quartzite showings	3	9803211	28.52	**$85.56**
Mob/DeMob	14578			**$267.76**
			Grand Total	**$32,972.14**

Various Mobilization Cost Scenarios		
Total	32,972.14	$686.92/claim
Fixed Wing	9356.39	
Helicopter	14496	
Fuel	1776	
Mob/DeMob	267.76	
Sum of Fixed Wing,Hel,Fuel,Mob/Dem	25896.15	$$'s divided by 48 claims
No Aviation, No Mob/Demob	7,075.99	$147.42
Helicopter only, no fuel	21,571.99	$449.42
Helicopter, half of fuel	22459.99	$467.92

VERA 77-80 Claims Statement of Costs to Accompany Form 4 (Sec 53)

Grouping Form 2

Soil Sampling of North Creek Grid Zone

VERA 77,78,79 and 80	4 claims	Total Number of Claims in Project*	541	*Nad, Clark, Craig, KLA, Rusty, Vera, Val	
Number of days spent on claims	5	Total man days spent on all Claims**	612	**Includes IP crew and helicopter pilot	

Sampling Personell				
	Cost per day	No. of Days		
Panya Lipovsky	200.00	1		200.00
Marco Stefanovic	200.00	4		800.00
Camp Costs (see Vera)	258.79	5		1,293.95
Aviation				
		Clark	Pro-rated over 505 claims (less Clark)	
Fixed Wing	98437.00		194.92	779.70
Helicopter	157739.00	5400.00	302.00	1,208.00
Fuel	19933.00	1330.00	37.00	148.00
Landsat			Pro-rated over 541 claims	
RGI	5075.00		9.38	37.52
Air Photographs				
J. Kende	7925.00		14.65	58.60
Geochemistry				
S. Amor-Consultant	7534.00		14.92	59.68
Chemex Labs				
Invoice I9831028				
169 Soil samples				3,062.62
Mob/DeMob	14578.00			119.10
Grand Total				**$7,767.16**
			$$'s per claim	
Grand Total	7767.16		$1,941.79	
Less all Aviation Costs ($25*5 per claim allowed)	6156.46		$1,539.12	

Indian and Northern Affairs Canada / Affaires indiennes et du Nord Canada

Date Stamp

APPLICATION TO GROUP MINERAL CLAIMS

YUKON QUARTZ MINING ACT

(application & sketch to be submitted in duplicate)

FORM "6" NUMBER 2

MINING DISTRICT MAYO

CLAIM SHEET(S) 106 C 5

Client's Designation for Grouping

Grant Number (grant number order)	Claim Name	COLUMN "A" Renewal Years Requested	COLUMN "B" Dollars Required	COLUMN "C" $'s Available on Work Claims	COLUMN "D" Dollars Used in this Grouping	COLUMN "E" Work $'s Remaining to Carry Forward
YA 37458	VERA 77	5	$500.00	$ 1757.00	$500.00	$1257.00
YA 37459	VERA 78	5	$500.00	$ 1757.00	$500.00	$1257.00
YA 37460	VERA 79	5	$500.00	$ 737.00	$500.00	$237.00
YA 37461	VERA 80	5	$500.00	$ 1757.00	$500.00	$1257.00
TOTALS	4	20	$2000.00	$6008.00	$2,000.00	$4008.00

I (we), the undersigned owner(s) of the above mineral claims give notice of intention to group the said claims for the performance of and do hereby apply under the work provisions of Section 53 of the Yukon Quartz Mining Act for a certificate in Form "6".

Dated at Calgary, AB this 25th day of January, 1999

Owner(s) or Agent(s) Signature(s) [signature]

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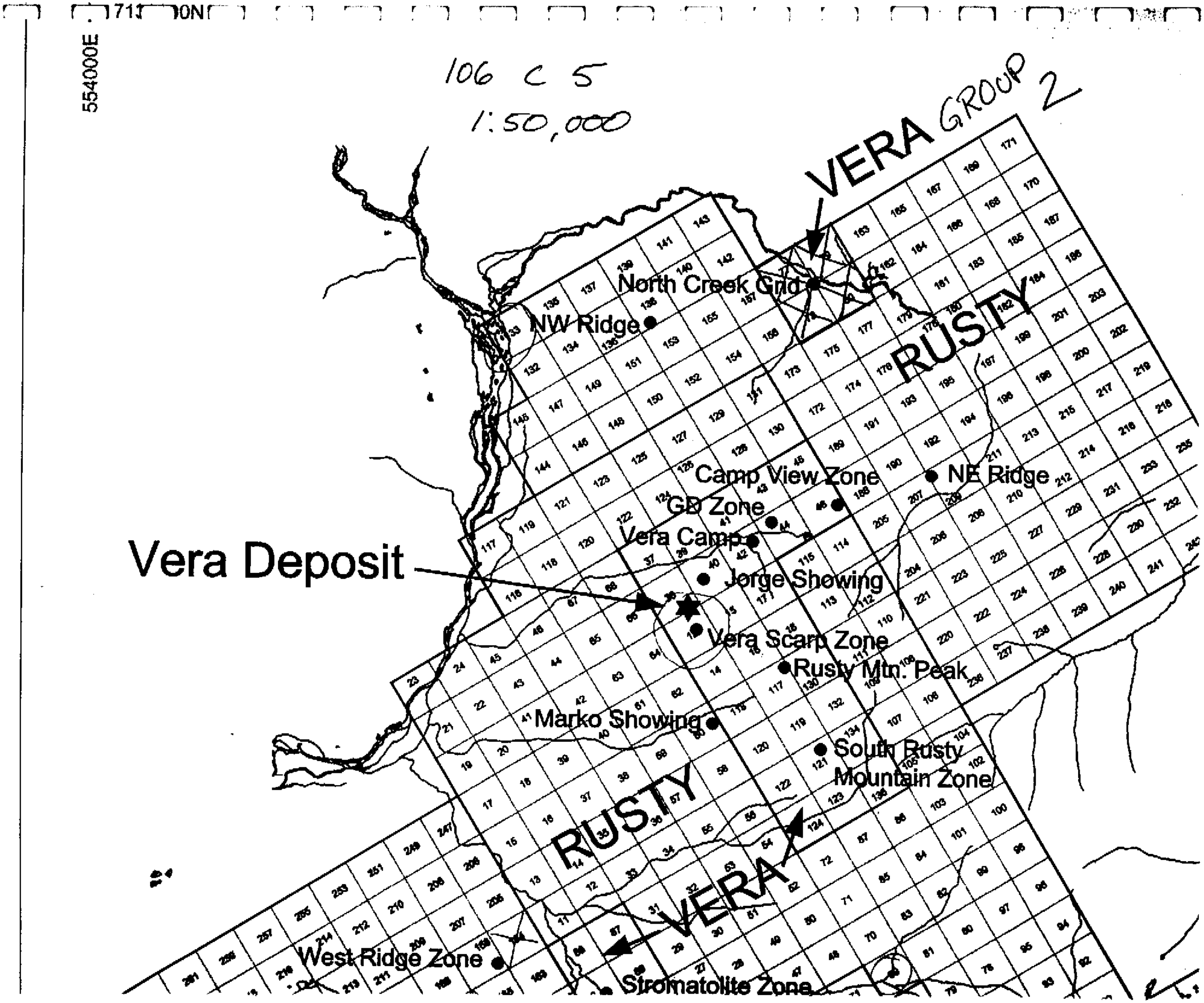
554000E
106 C 5
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VERA GROUP 2
VERA
RUSTY
North Creek Grid
NW Ridge
Camp View Zone
NE Ridge
GD Zone
Vera Camp
Vera Deposit
Jorge Showing
Vera Scarp Zone
Rusty Mtn. Peak
Marko Showing
South Rusty
Mountain Zone
RUSTY
VERA
West Ridge Zone
Stromatolite Zone

This statement of Costs and Expenditures is to accompany Grouping Form 3, VERA Claims

Prospecting of Stromatolite Zone

VERA 87,88,89 and 90	4 claims		Total Number of Claims in Project*	541	*Nad, Clark, Rusty,Craig,KLA, Vera and Val	
Number of days spent on claims	2		Total man days spent on all Claims**	612	**Includes I.P. crew and helicopter pilot.	
Geological Personnel	Cost per day	No. of Days				
G. Sivertz	400.00	1				400.00
A. Bordeleau	212.00	1				212.00
Camp Costs (see VERA)	258.79	2				517.58
Aviation						
		Clark	Pro-rated over 505 claims (less Clark)			
Fixed Wing	98437.00		194.92			779.70
Helicopter	157739.00	5400.00	302.00			1208.00
Fuel	19933.00	1330.00	37.00			148.00
Landsat			Pro-rated over 541 claims			
RGI	5075.00		9.38			37.52
Air Photographs						
J. Kende	7925.00		14.65			58.60
Geochemistry						
S. Amor , Consultant	7534.00		14.92			59.68
Chemex Labs						
I 9830305		ICP cost				
ANN 04,05	2	25.10				50.20
I 9830971		Assay cost				
ANN 04,05	2	21.25				42.50

This statement of Costs and Expenditures is to accompany Grouping Form 3, VERA Claims

Acme Labs				
I 9803919		ICP cost		
386890,91	2	29.15		58.30
I 9803919R		Assay cost		
386890	2	9.35		18.70
Mob/Demob	14578			47.64
Grand Total				**$3,638.41**
			$$'s per claim	
Grand Total	3638.41		$909.60	
Less all Aviation costs ($25.00*5 per claim allowed)	2127.71		$531.93	

Indian and Northern Affairs Canada / Affaires indiennes et du Nord Canada

Date Stamp

APPLICATION TO GROUP MINERAL CLAIMS

YUKON QUARTZ MINING ACT

(application & sketch to be submitted in duplicate)

FORM "6" NUMBER 3

MINING DISTRICT MAYO

CLAIM SHEET(S) 106 C 5

Client's Designation for Grouping

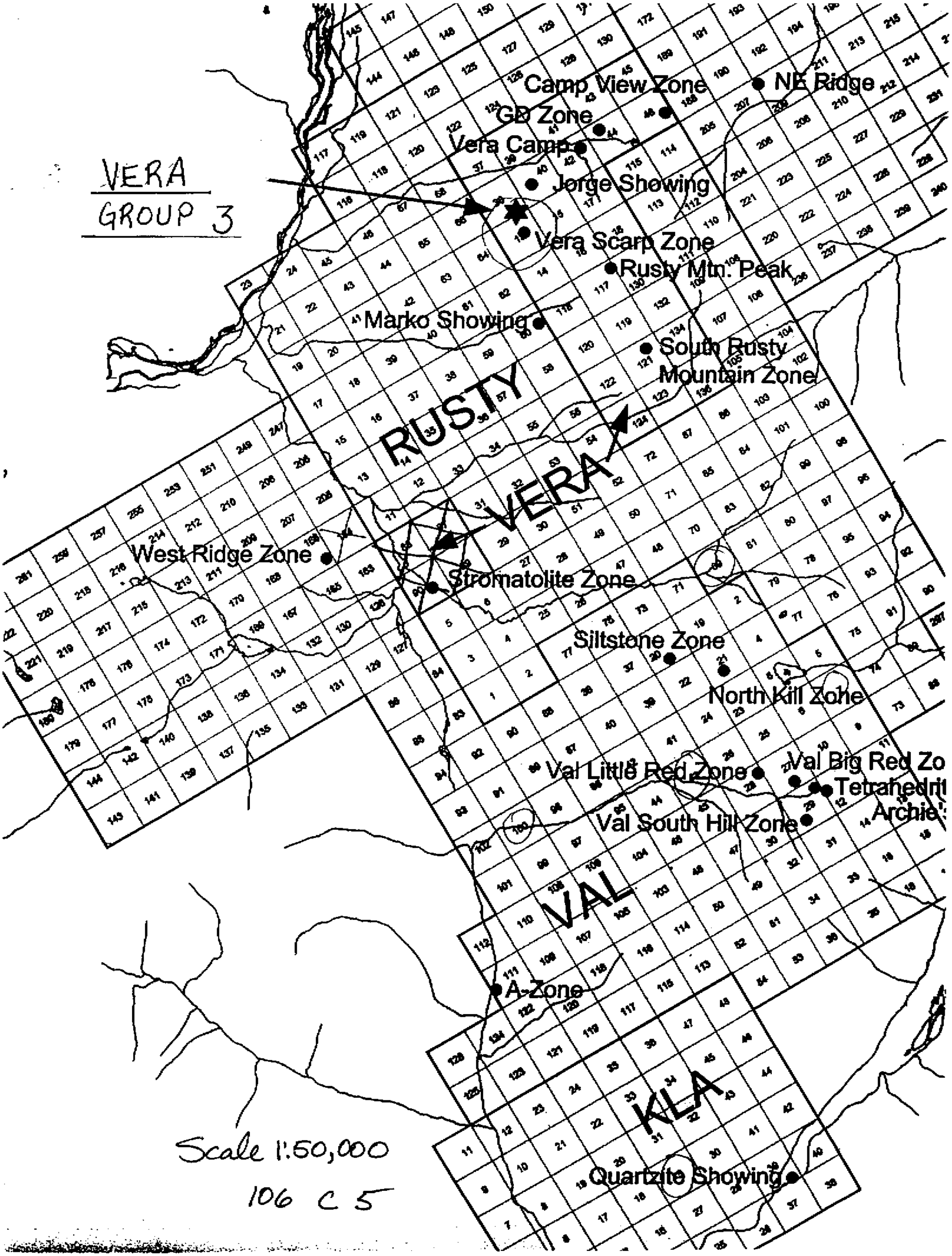
Grant Number (grant number order)	Claim Name	COLUMN "A" Renewal Years Requested	COLUMN "B" Dollars Required	COLUMN "C" $'s Available on Work Claims	COLUMN "D" Dollars Used in this Grouping	COLUMN "E" Work $'s Remaining to Carry Forward
YA37468	VERA 87	5	$500.00	446.50	446.50	0
YA37469	VERA 88	5	$500.00	485.00	485.00	0
YA 37470	VERA 89	5	$500.00	446.50	446.50	0
YA 37471	VERA 90	5	$500.00	636.00	622.00	14.00
TOTALS	4	20	$2000.00	$2014.00	$2000.00	$14.00

I (we), the undersigned owner(s) of the above mineral claims give notice of intention to group the said claims for the performance of and do hereby apply under the work provisions of Section 53 of the Yukon Quartz Mining Act for a certificate in Form "6".

Dated at Calgary AB this 25th day of January, 1999

Owner(s) or Agent(s) Signature(s) Jennifer Eaton

Canada


VERA
GROUP 3
Camp View Zone
NE Ridge
GD Zone
Vera Camp
Jorge Showing
Vera Scarp Zone
Rusty Mtn. Peak
Marko Showing
South Rusty
Mountain Zone
RUSTY
VERA
West Ridge Zone
Stromatolite Zone
Siltstone Zone
North Kill Zone
Val Little Red Zone
Val Big Red Zo
Tetrahedrit
Archie's
Val South Hill Zone
VAL
A-Zone
KLA
Quartzite Showing
Scale 1:50,000
106 C 5

This statement of Costs and Expenditures is to accompany Grouping Form 4, VERA Claims

Geological Mapping, I.P. survey, Grid Re-Location, Examination of Drill Core

Total Man Days Spent on VERA Claims	52	Total Number of Claims in Project	541	*Nad,Clark,Craig,KLA, RUSTY,Vera,Val
13-18, 37-46.		Total Man Days Spent on all Claims**	612	**includes IP Crew and Helicopter Pilot
Total Number of Claims	16			

Project Geological	Cost per day	No. of Days		
George Sivertz	400.00	8	3,200.00	
Anne Bordeleau	212.00	1	212.00	
Kaori Torigai	200.00	24	4,800.00	
Marko Stefanovic	200.00	9	1,800.00	
Panya Lipovsky	200.00	8	1,600.00	
			0.00	
Bruce Evans	400.00	0	0.00	
J.P. Jutras	280.00	0	0.00	
Wes Raven	400.00	0	0.00	
Jennifer Eaton	250.00	4	1,000.00	
Total Man Days spent on VERA Group 4		54		
Total Man Days spent on VERA			54	**$12,612.00**

Camp Costs		
Camp Cook	12751.50	Maria Hutton
Courier de Bois	9023.11	Construction of Camp
Camp Costs	88455.27	Tents, frames,groceries,supplies etc.
Communications	1167.96	Satellite/phones
Freight/Exp.	10368.95	Speedy Expediting
Other Camp Costs	21612.00	
Truck	6250.00	
ATV	5000.00	
Generator	3750.00	

Total Camp Costs	158,378.79	
Total Man days spent on all claims	612	
Camp costs per man day	258.79	
Camp Costs allocated to VERA		**$13,974.60**

This statement of Costs and Expenditures is to accompany Grouping Form 4, VERA Claims

Quantec IP Inc. Survey				
		Cost/Km	Number of Line Km on Vera	
Total Survey Cost	26747.69	1400.40	5.4	7,562.16
Landsat			Pro-rated over 541 claims	
RGI	$5,075.00		9.38	150.09
Air Photographs				
J. Kende	$7,925.00		14.65	234.38
Geochemistry				
			Pro rated over 505 claims	
S. Amor-Consultant	$7,534.00		14.92	238.70
Chemex Labs			Cost per Sample	
Number of Stream Sediment Samples	6		9.1	$54.60
Acme Labs			Cost per Sample	
Number of Rock Samples	28		31.63	885.64
Mobilization				
Mob allowed per claim per year	$25.00			2,000.00
Number of Claims renewed	16			
Number of years renewed for	5		**Grand Total**	**$37,712.17**
			Assess. Required to hold claims for 5 years	$8,000.00

Indian and Northern Affairs Canada | Affaires indiennes et du Nord Canada

Date Stamp

APPLICATION TO GROUP MINERAL CLAIMS
YUKON QUARTZ MINING ACT
(application & sketch to be submitted in duplicate)

FORM "6" NUMBER 4
MINING DISTRICT MAYO
CLAIM SHEET(S) 106C 5

Client's Designation for Grouping

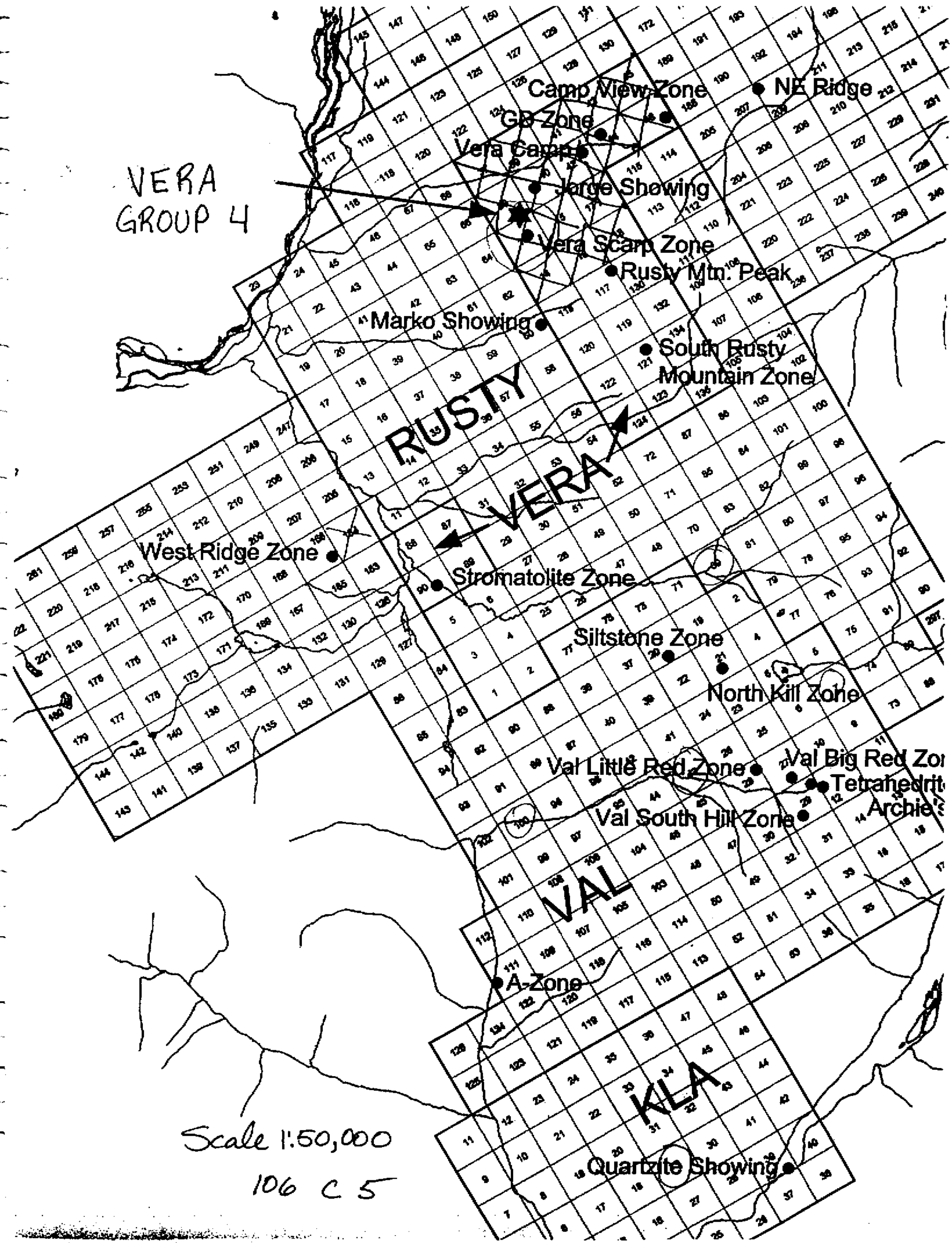
Grant Number (grant number order)	Claim Name	COLUMN "A" Renewal Years Requested	COLUMN "B" Dollars Required	COLUMN "C" $'s Available on Work Claims	COLUMN "D" Dollars Used in this Grouping	COLUMN "E" Work Remaining to Carry Forward
YA37394	VERA 13	5	$500.00	9,974.72	1,000.00	8,974.72
YA 37395	14	5	"	164.00	164.00	0
YA 37396	15	5	"	258.89	258.89	0
YA 37397	16	5	"	525.03	525.03	0
YA 37398	17	5	"	408.50	408.50	0
YA 37399	18	5	"	769.52	769.52	0
YA 37418	VERA 37	5	"	173.10	173.10	0
YA 37419	38	5	"	11,506.20	1,000.00	10,506.20
YA 37420	39	5	"	173.10	173.10	0
YA 37421	40	5	"	10,997.41	765.24	10,232.17
YA 37422	41	5	"	525.03	525.03	0
YA 37423	42	5	"	173.10	173.10	0
YA 37424	43	5	"	164.00	164.00	0
YA 37425	44	5	"	534.13	534.13	0
YA 37426	45	5	"	619.92	619.92	0
YA37427	46	5	"	746.44	746.44	0
TOTALS	16	80	$8000.00	$ 37,713.06	$8,000.00	$29,713.06

I (we), the undersigned owner(s) of the above mineral claims give notice of intention to group the said claims for the performance of and do hereby apply under the work provisions of Section 53 of the Yukon Quartz Mining Act for a certificate in Form "6".

Dated at Calgary, AB this 25th day of January, 1999

Owner(s) or Agent(s) Signature(s) [signature]

Canada


VERA
GROUP 4
Camp View Zone
NE Ridge
GB Zone
Vera Camp
Jorge Showing
Vera Scarp Zone
Rusty Mtn. Peak
Marko Showing
South Rusty
Mountain Zone
RUSTY
VERA
West Ridge Zone
Stromatolite Zone
Siltstone Zone
North Kill Zone
Val Little Red Zone
Val Big Red Zo
Tetrahedrit
Archie's
Val South Hill Zone
VAL
A-Zone
KLA
Quartzite Showing
Scale 1:50,000
106 C 5

This statement of Costs and Expenditures is to accompany Grouping Form 5, VERA Claims

Geological Mapping, I.P. survey, Grid Re-Location, Examination of Drill Core

Total Man Days Spent on VERA Claims	8	Total Number of Claims in Project	541
117-124,130,132,134,136.		Total Man Days Spent on all Claims**	612
Total Number of Claims	12		

Project Geological	Cost per day	No. of Days		
George Sivertz	$400.00	5	2,000.00	
Anne Bordeleau	$212.00	1	212.00	
Kaori Torigai	$200.00	0	0.00	
Marko Stefanovic	$200.00	1	200.00	
Panya Lipovsky	$200.00	0	0.00	
			0.00	
Bruce Evans	$400.00	0	0.00	
J.P. Jutras	$280.00	1	280.00	
Wes Raven	$400.00	0	0.00	
Jennifer Eaton	$250.00	0	0.00	
Total Man Days spent on VERA Group 5		8		**$2,692.00**

Camp Costs				
Camp Cook	$12,751.50	Maria Hutton		
Courier de Bois	$9,023.00	Construction of Camp		
Camp Costs	$88,455.00	Tents, frames,groceries,supplies etc.		
Communications	$1,168.00	Satellite/phones		
Freight/Exp.	$10,369.00	Speedy Expediting		
Other Camp Costs	$21,612.00			
Truck	$6,250.00			
ATV	$5,000.00			
Generator	$3,750.00			
		Total Camp Costs	158,378.50	
		Total Man days spent on all claims	612	
		Camp costs per man day	258.79	
		Camp Costs allocated to VERA		**$2,070.31**

This statement of Costs and Expenditures is to accompany Grouping Form 5, VERA Claims

Landsat			Pro-rated over 541 claims	
RGI	$5,075.00		9.38	**112.57**
Air Photographs				
J. Kende	$7,925.00		14.65	**175.79**
Geochemistry				
			Pro rated over 505 claims	
S. Amor-Consultant	$7,534.00		14.92	**179.03**
Chemex Labs		EXI Pkg		
Number of Stream Sediment Samples	3	$18.85		**56.55**
Acme Labs			Cost per Sample	
Number of Rock Samples G. Sivertz	9		31.63	**284.67**
Chemex Labs I 9829487				
Number of Rock samples J.P. Jutras	2		25.1	**50.20**
Mobilization				
Mob allowed per claim per year	$25.00			**$1,500.00**
Number of claims renewed	12			
Number of years renewed for	5			
			Grand Total	**$7,121.11**
			Assess. Required to hold claims for 5 years	$6,000.00

APPLICATION TO GROUP MINERAL CLAIMS

YUKON QUARTZ MINING ACT

(application & sketch to be submitted in duplicate)

FORM "6" NUMBER 5

MINING DISTRICT MAYO

CLAIM SHEET(S) 106 C 5

Client's Designation for Grouping

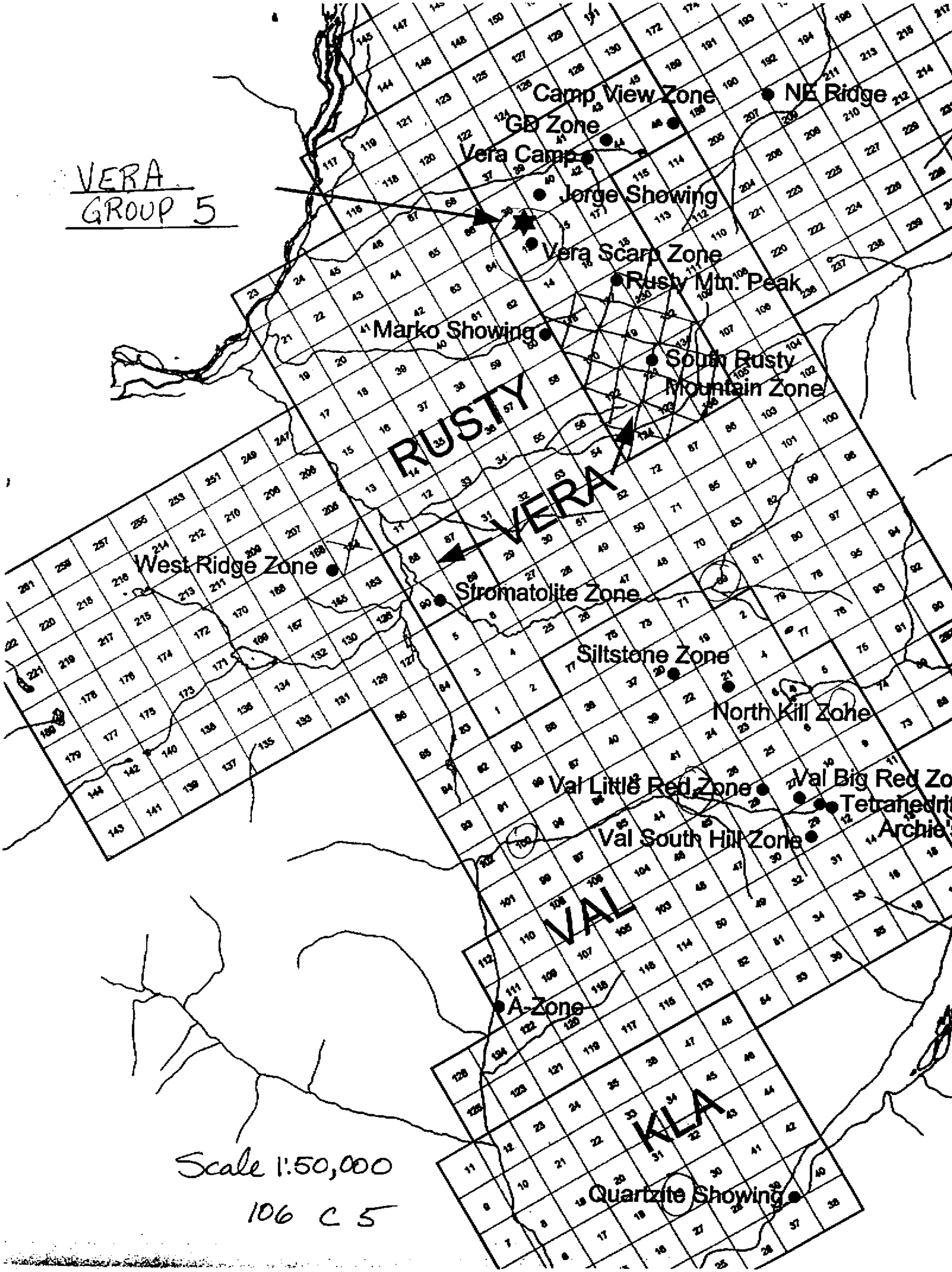
Grant Number	Claim Name	COLUMN "A" Renewal Years Requested	COLUMN "B" Dollars Required	COLUMN "C" $'s Available on Work Claims	COLUMN "D" Dollars Used in this Grouping	COLUMN "E" Work $'s Remaining to Carry Forward
YA 37498	VERA 117	5	$500.00	1511.00	1355.00	156.00
YA 37499	118	5	"	673.25	500.00	173.25
YA 37500	119	5	"	164.00	164.00	0
YA 37501	120	5	"	164.00	164.00	0
YA 37502	121	5	"	2165.50	1355.90	809.60
YA 37503	122	5	"	164.00	164.00	0
YA 37504	123	5	"	418.25	418.25	0
YA 37505	124	5	"	450.00	450.00	0
YA 37511	VERA 130	5	"	918.00	918.00	0
YA 37513	132	5	"	164.00	164.00	0
YA 37515	134	5	"	164.00	164.00	0
YA 37517	136	5	"	182.85	182.85	0
TOTALS	12	60	$6000.00	$7138.85	$6000.00	$1,138.85

I (we), the undersigned owner(s) of the above mineral claims give notice of intention to group the said claims for the performance of and do hereby apply under the work provisions of Section 53 of the Yukon Quartz Mining Act for a certificate in Form "6".

Dated at Calgary, AB this 25th day of January, 1999

Owner(s) or Agent(s) Signature(s) Jennifer [signature]

Canada


VERA
GROUP 5
Camp View Zone
NE Ridge
GD Zone
Vera Camp
Jorge Showing
Vera Scarp Zone
Rusty Mtn. Peak
Marko Showing
South Rusty Mountain Zone
RUSTY
VERA
West Ridge Zone
Stromatolite Zone
Siltstone Zone
North Kill Zone
Val Little Red Zone
Val Big Red Zo
Tetrahedrit
Archie's
Val South Hill Zone
VAL
A-Zone
KLA
Quartzite Showing
Scale 1:50,000
106 C 5

Detailed Statement of Work and Costs to accompany Form 4-VAL Claims

Total Man Days Spent on VAL Claims	104	Total Number of Claims in Project*	541	*Nad, Clark,Rusty,Craig,KLA,Vera and Val
Total Number of VAL Claims	162	Total Man Days Spent on all Claims**	612	**includes IP crew and helicopter pilot.

Geological Mapping, I.P. Survey, Gridding, Examination of Drill Core

Project Geological	Cost per day	No. of days			
George Sivertz	400	8		$3,200.00	
Anne Bordeleau	212	13		$2,756.00	
Kaori Torigai	200	14		$2,800.00	
Marko Stefanovic	200	20		$4,000.00	
Panya Lipovsky	200	21		$4,200.00	
				$0.00	
Bruce Evans	400	0		$0.00	
J.P. Jutras	280	0		$0.00	
Wes Raven	400	28		$11,200.00	
Jennifer Eaton	250	0		$0.00	
			Total Man Days spent on VAL	**104**	**$28,156.00**

Camp Costs

Camp Cook	12752	Maria Hutton		
Courier de Bois	9023	Construction of Camp		
Camp Costs	88455	Tents, frames,groceries,supplies etc.		
Communications	1168	Satellite/phones		
Freight/Exp.	10369	Speedy Expediting		
Other Camp Costs	21612			
Truck	6250			
ATV	5000			
Generator	3750			
		Total Camp Costs	158,378.79	
		Total Man days spent on all claims	612	
		Camp costs per man day	258.79	
		Camp Costs allocated to VAL		**$26,914.04**

Detailed Statement of Work and Costs to accompany Form 4-VAL Claims

Aviation		Clark (36)	Pro-rated over 505 claims	
Fixed Wing	98437		195	**$31,577.81**
Helicopter	157739	5400	302	**$48,924.00**
Fuel	19933	1330	37	**$5,994.00**
Landsat			Pro-Rated over 541 claims	
RGI	5075		9.38	**$1,519.69**
Air Photographs				
J. Kende	7925		14.65	**$2,373.11**
Geochemistry			Pro rated over 505 claims	
S. Amor-Consultant	7534		14.92	**$2,416.85**
Chemex Labs	No. of samples			
Stream Sediment samples	8	9.10		**$72.80**
I 9831044				
ACME Labs	No. of samples	Invoice		
386951-386958	8	9803586		**$173.48**
386959-386986	28	9803785		**$792.14**
386987-386998	12	9803888		**$332.81**
G. Sivertz Samples	17	Various		**439.96**
IP Quantec Survey		Cost/Km	Number of Line Km on Val	
Total Survey Cost	26748	1400.40	9.541	**13,361.22**
Mob/DeMob	14578			**$2,477.31**
			Grand Total	**$165,525.20**

Detailed Statement of Work and Costs to accompany Form 4 - NAD Claims

Total Man Days Spent on NAD Claims	100	
Total Number of NAD Claims	119	
Total Number of Claims in Project	541	NAD,Clark,Vera,Val,Rustyk,KLA,Craig
Total Man Days Spent on all Claims	490	

Project Geological	Cost per day		NAD	
A. Bordeleau	212	Camp Manager	13	2756
P. Lipovsky	200	Geological Assisstant	19	3800
M. Stefanovic	200	Geological Assisstant	18	3600
K. Torigai	200	Geological Assisstant	13	2600
J. Eaton	250	Geologist	2	500
J.P. Jutras	280	Geologist	26	7280
B.T. Evans	400	Supervisor/Geologist	2	800
George Sivertz	400	Project Geologist	7	2800
		Total Man Days spent on NAD	**100**	**$24,136.00**

Camp Costs

Camp Cook	12752	Maria Hutton		
Courier de Bois	9023	Construction of camp		
Camp Costs	88455	Tents,frames,groceries,supplies etc.		
Communications	1168	Satellite/phones		
Freight/Exp.	10369	Speedy Expediting		
Other Camp Costs	21612			
Truck	6250			
ATV	5000			
Generator	3750			
		Total Camp Costs	158379	
		Total Man days spent on all claims	490	
		Camp Costs per man day	323.22	
		Camp Costs allocated to NAD		**$32,322.20**

Detailed Statement of Work and Costs to accompany Form 4 - NAD Claims

Aviation				
		Clark	Pro-rated over 505 claims (541-36)	
Fixed Wing	98437		195	**$23,195.95**
Helicopter	157739	5400	302	**$35,897.70**
Fuel	19933	1330	37	**$4,383.68**
Landstat				
			Pro-rated over 541 claims	
RGI	5075		9	**$1,116.31**
Air Photographs				
J. Kende	7925		15	**$1,743.21**
Western Scanning				
Nad	2581		specific one time cost	**$2,581.00**
Geochemistry				
			Pro rated over 505 claims	
S. Amor-Consultant	7534		15	**$1,775.43**
Chemex Labs				**$5,976.95**
Stream Sediment Samples		414	See List of W.O....Lab attached	
Rocks		71	See List of W.O....Lab attached	
Mob/DeMob	**14578**			**$2,975.06**
			Grand Total	**$136,103.50**

Detailed Statement of Work and Costs to accompany Form 4 (Section 53)-Craig Claims

Total man days spent on Craig Claims	24		
Total number of Craig Claims	5		
Total number of Claims in Project*	541		*Nad, Clark, Craig, KLA, Rusty, Vera, Val
Total man days spent on all Claims*	612		*includes I.P. Crew and Helicopter Pilot

Project Geological	Cost per Day	Number of days on Craig Claims		
George Sivertz	400	5	2000	
Anne Bordeleau	212	1	212	
Kaori Torigai	200	5	1000	
Marko Stafanovic	200	6	1200	
Panya Lipovsky	200	4	800	
			0	
Bruce Evans	400	1	400	
J.P. Jutras	280	2	560	
Wes Raven	400	0	0	
Jennifer Eaton	250	0	0	
	Total Days	**24**		**$6,172.00**

Project Support costs

Camp Cook	12752	Maria Hutton		
Courier de Bois	9023	Construction of Camp		
Camp costs	88455	Tents,frames,groceries,supplies etc.		
Communications	1168	Satellite/phones		
Freight/Exp.	10369	Speedy Expediting		
Other Camp Costs	21612			
Truck	6250			
ATV	5000			
Generator	3750			
		Total Camp Costs	$158,379.00	
		Total Man days spent on all claims	612	
		Camp costs per man day	$258.79	
		Camp Costs allocated to Craig		**$6,210.94**

The Craig Claims are owned by Falconbridge Ltd.and Manson Creek has the option to earn up to 100%

Detailed Statement of Work and Costs to accompany Form 4 (Section 53)-Craig Claims

Aviation		Less Clark Claims	Pro-rated over 505 Claims		
Fixed Wing	98437		195		**$975.00**
Helicopter	157739	152339	302		**$1,510.00**
Fuel	19933	18603	37		**$185.00**
Landsat					
RGI	5075		9.38		**$46.90**
Air Photographs					
J. Kende	7925		14.65		**$73.25**
Quantec I.P. Survey					
		Cost per line km	No. of Line Km		
Total Survey Cost	26747.69	1400.40	4.25		**$5,951.71**
Geochemistry					
Orientation Survey	Chemex	Amount	Cost per sample	# of samples	
GSS3009-3018	I9826573	593.60	37.10	10	**371.00**
GSS3009-3018	I9826574	560.00	35.00	10	**350.00**
GSP3001,GSP3003	ACTLABS and	87.5		3	**87.50**
SAP3019	Consorminex	189.75			**189.75**
Rock samples	Chemex		Cost per sample		
J.P. Jutras	I9827962		38.65	6	**231.90**
Mob/DeMob	14578				**$571.69**
			Grand Total		**$22,926.64**

Various Mobilization Cost Scenarios	
Grand Total	22926.64
Fixed Wing	975
Helicopter	1510
Fuel	185
Mob/DeMob	571.69
Sum of fixed wing, helicopter, fuel, mob/demob	3241.69
No Aviation,No Mob/DeMob	19684.95
Helicopter only, no fuel	21194.95
Helicopter, half of fuel	21287.45

The Craig Claims are owned by Falconbridge Ltd.and Manson Creek has the option to earn up to 100%

CRAIG CLAIMS $$'s Applied per claim

Owner	Grant Number	Claim Name	Renewal years Requested	Dollars Required	$'s Available on Work Claims	Dollars Used	Work $$'s Remaining
Falconbridge	YA6247	Craig 4	5	$500.00	$3,936.80	$500.00	$3,436.80
Falconbridge	YA6249	Craig 6	5	$500.00	$3,936.80	$500.00	$3,436.80
Falconbridge	YA6251	Craig 8	5	$500.00	$3,936.80	$500.00	$3,436.80
Falconbridge	YA6272	Craig 29	5	$500.00	$3,936.80	$500.00	$3,436.80
Falconbridge	YA6274	Craig 31	5	$500.00	$3,936.80	$500.00	$3,436.80
Totals			25	$2,500.00	$19,684.00	$2,500.00	$17,184.00

The $'s Available on Work Claims column does not include any Aviation or Mob/Demob costs.

VOLUME 3 Maps

Vera, Val, Rusty and KLA Claims Location Map at 1:50,000 Scale

Nad, Craig Claims Location Map at 1:50,000 Scale

Geological Map Derived from G.S.C. OF 2175 at 1:250,000 scale

1998 Stream Sediment Sample Locations at 1:50,000 Scale

Val-Vera Claims Topography and Zone Locations at 1:20,000 Scale

Val, Vera, KLA and Rusty Claims Rock Sample Sites at 1:20,000 scale

Val Property Geology by W. Raven at 1:3000 Scale

Big Red Zone, Little Red Zone Siltstone Zone and North Kill Zone Insert Maps for Val Property Geology Map

Vera Grid Geology Map at 1:1000 Scale

NAD – Craig Claims Topography and Zone Locations at 1:20,000 Scale

Nadaleen Range Geology Map by J.P. Jutras at 1:5,000 scale

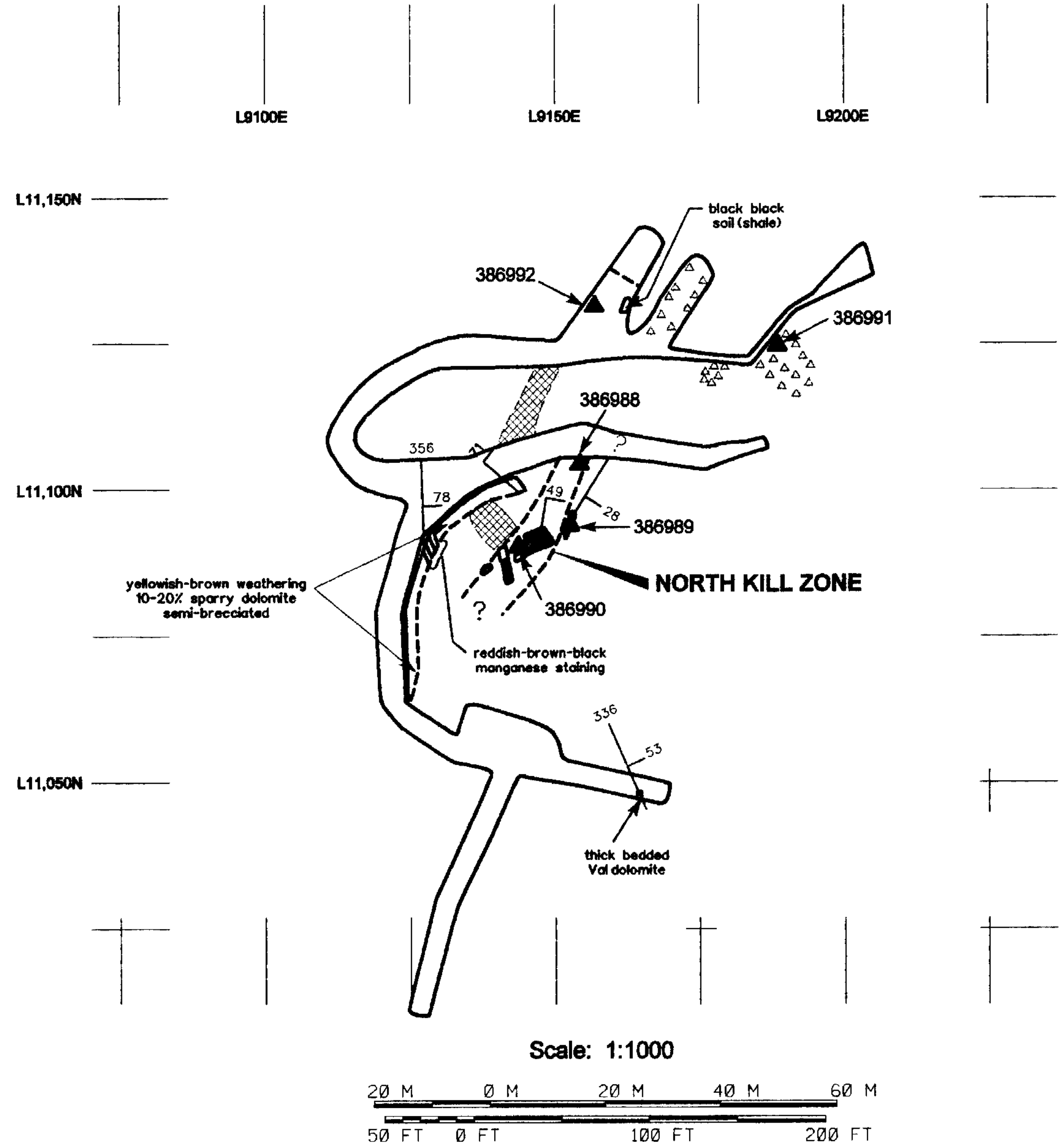
Quantec I.P. Maps for Val Grid at 1:2500 scale 5 maps

Quantec I.P. Maps for Vera Grid at 1:2500 scale 5 maps

Craig Deposit Geology Map at 1:2500 scale

Quantec I.P. Maps for Craig Deposit at 1:2500 Scale

Craig Drillhole Plan 1977 and 1980 Drilling at 1:2500 scale



SYMBOLS

- Outcrop - defined
- Outcrop - inferred
- Outcrop - small
- Area of talus or felsenmeer
- bearing, bearing, dip: Bedding strike & dip; vertical, inclined
- bearing, bearing, dip: Fracture strike & dip; vertical, inclined
- bearing, bearing, dip: Vein strike & dip; vertical, inclined
- dip: Minor Fold; direction & plunge
- Fault
- Geological Contact - defined
- Geological Contact - inferred
- Geological Contact - assumed
- Rock Sample Location
- Assay Tag No.: Assay Tag No.
- Ridge Crest
- Mineralized Talus
- Distinct Mineralized Float Train
- Claim Post
- DDH #: Diamond Drill Hole No.
- Roads
- Trail
- ZZ: Positive Zinc Zap Response

093968

SAMPLE RESULTS

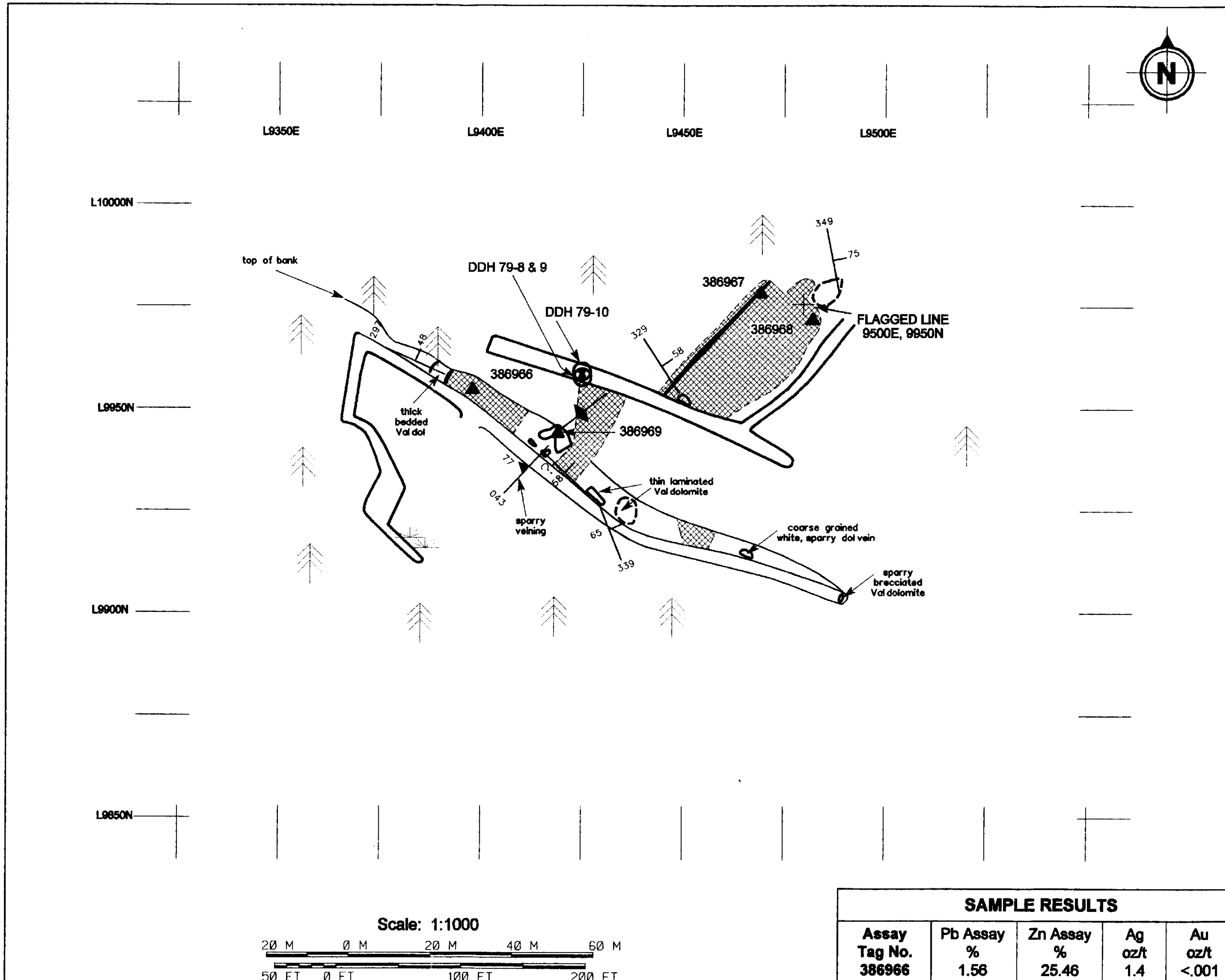
Assay Tag No.	Pb Assay %	Zn Assay %	Ag oz/t	Au oz/t
396988	9.54	9.06	3.19	<.001
396989	–	–	0.21	0.001
396990	15.97	16.71	10.4	<.001
396991	–	–	<.01	<.001
396992	0.04	0.08	0.27	<.001

MANSON CREEK RESOURCES LTD.

VAL PROPERTY
YUKON TERRITORY, CANADA
NTS 105 C/6

North Kill Zone
DRILLING & SAMPLING PLAN

MAPPED BY:	W. RAVEN	SCALE:	1:1000
DATE DRAWN:	DECEMBER 8, 1998	DRAWN BY:	98153P © ENERSOURCE



SYMBOLS

Outcrop - defined
Outcrop - inferred
Outcrop - small

Area of talus or felsenmeer

bearing bearing dip — Bedding strike & dip; vertical, inclined

bearing bearing dip — Fracture strike & dip; vertical, inclined

bearing bearing dip — Vein strike & dip; vertical, inclined

dip — Minor Fold; direction & plunge

Fault

Geological Contact - defined
Geological Contact - inferred
Geological Contact - assumed

Assay Tag No. — Rock Sample Location
Assay Tag No.

Ridge Crest

Mineralized Talus

Distinct Mineralized Float Train

CLAIM POST — Claim Post

DDH # — Diamond Drill Hole No.

Roads
Trail

ZZ — Positive Zinc Zap Response

093 ^68

SAMPLE RESULTS

Assay Tag No.	Pb Assay %	Zn Assay %	Ag oz/t	Au oz/t
386966	1.56	25.46	1.4	<.001
386967	0.76	39.8	3.19	0.001
386968	60.03	10.61	42.18	0.001
386969	–	–	0.07	<.001

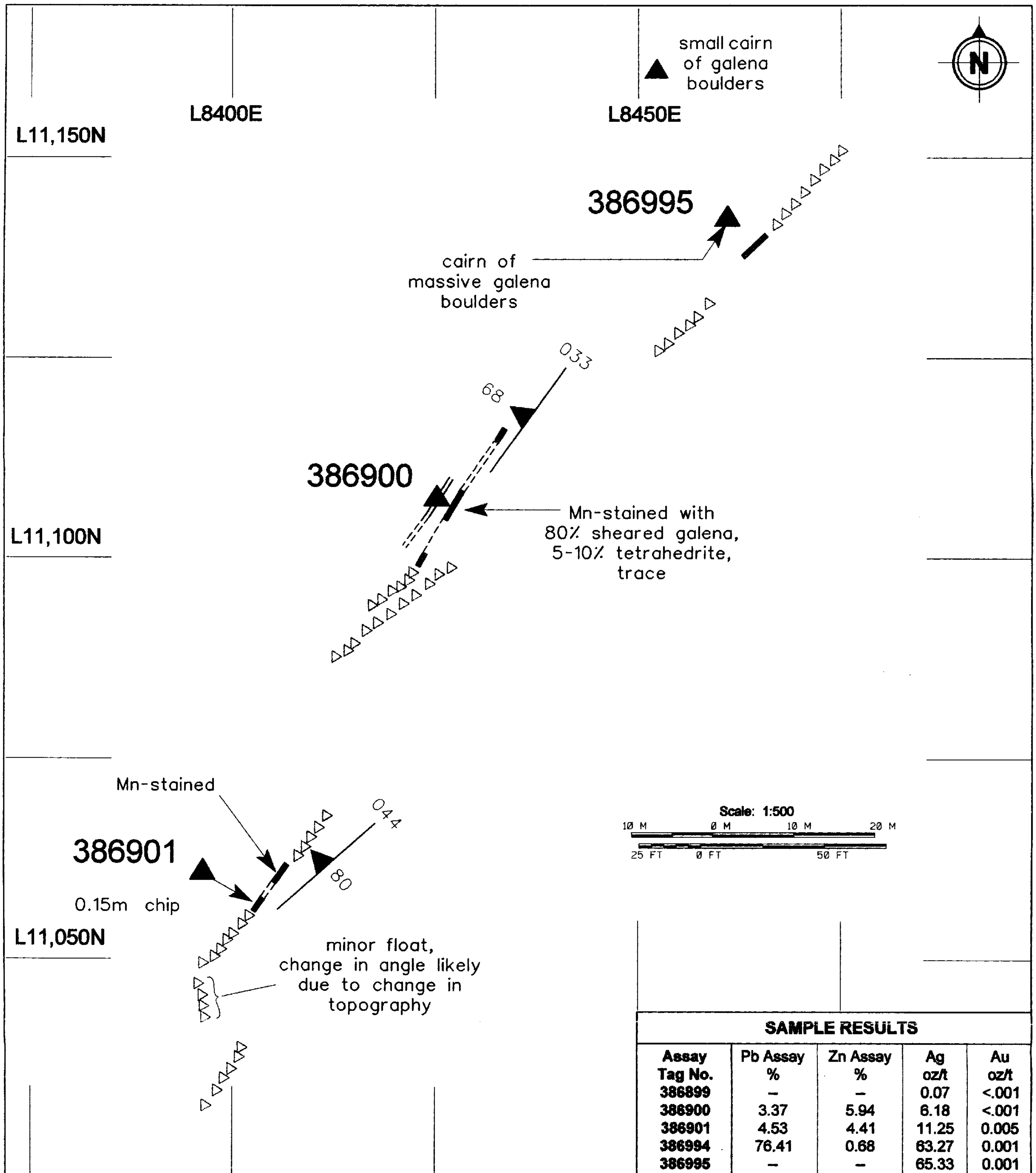
MANSON CREEK RESOURCES LTD.

VAL PROPERTY
YUKON TERRITORY, CANADA
NTS 105 C/6

Little Red Zone

DRILLING & SAMPLING PLAN

MAPPED BY:	W. RAVEN	SCALE:	1:1000
DATE DRAWN:	DECEMBER 8, 1998	DRAWN BY:	98155P © ENERSOURCE



SAMPLE RESULTS

Assay Tag No.	Pb Assay %	Zn Assay %	Ag oz/t	Au oz/t
386899	–	–	0.07	<.001
386900	3.37	5.94	6.18	<.001
386901	4.53	4.41	11.25	0.005
386994	76.41	0.68	63.27	0.001
386995	–	–	65.33	0.001

SYMBOLS

Outcrop - defined
Outcrop - inferred
Outcrop - small
Area of talus or felsenmeer
bearing bearing dip Bedding strike & dip; vertical, inclined
bearing bearing dip Fracture strike & dip; vertical, inclined
bearing bearing dip Vein strike & dip; vertical, inclined
dip Minor Fold; direction & plunge

Fault
Geological Contact - defined
Geological Contact - inferred
Geological Contact - assumed
Assay Tag No. Rock Sample Location Assay Tag No.
Ridge Crest
Mineralized Talus
Distinct Mineralized Float Train
CLAIM POST Claim Post
DDH # Diamond Drill Hole No.
Roads
Trail
ZZ Positive Zinc Zap Response

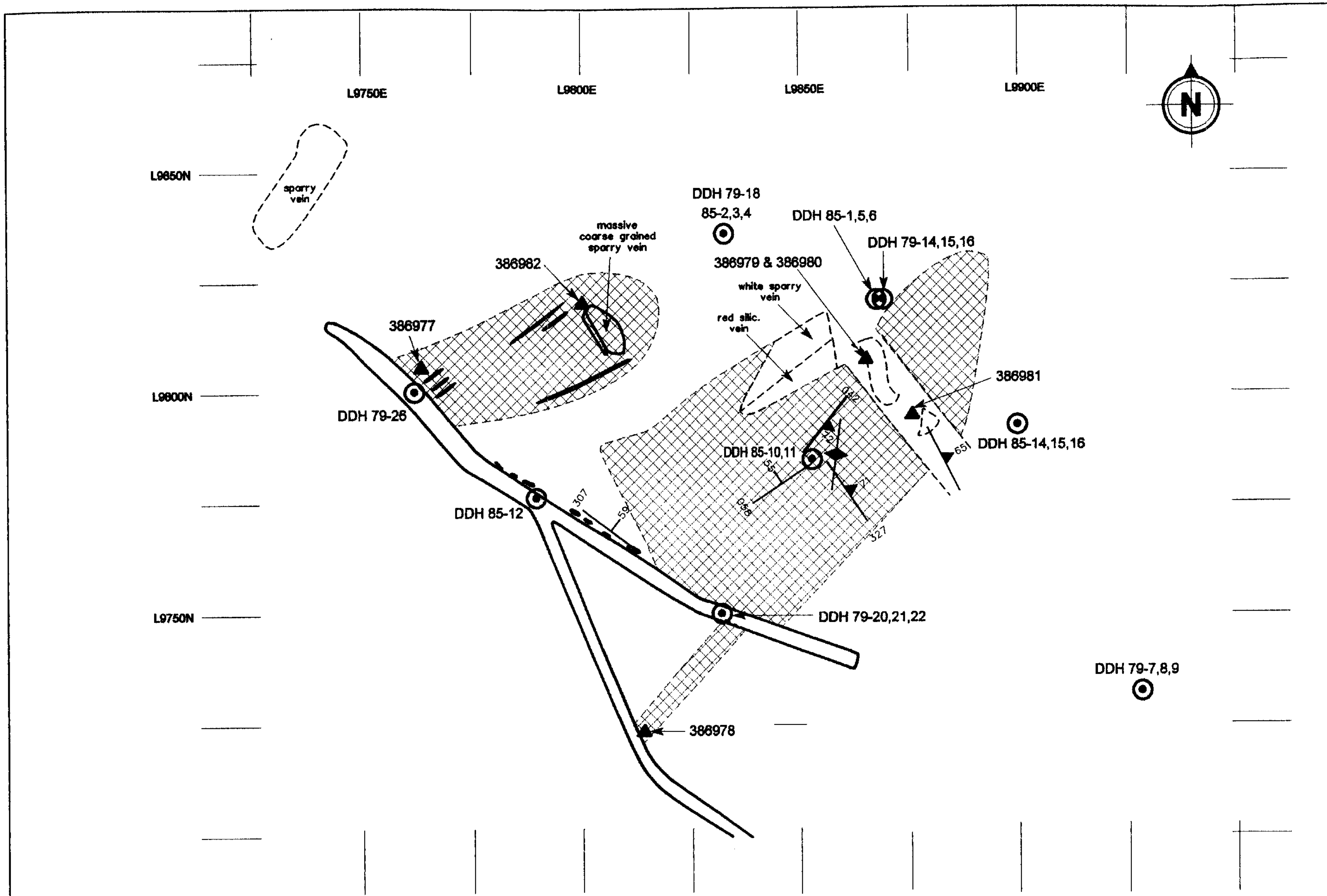
093968

MANSON CREEK RESOURCES LTD.

VAL PROPERTY
YUKON TERRITORY, CANADA
NTS 105 C/5

Siltstone Zone
VEIN LOCATION DETAIL PLAN
CLAIM VAL III

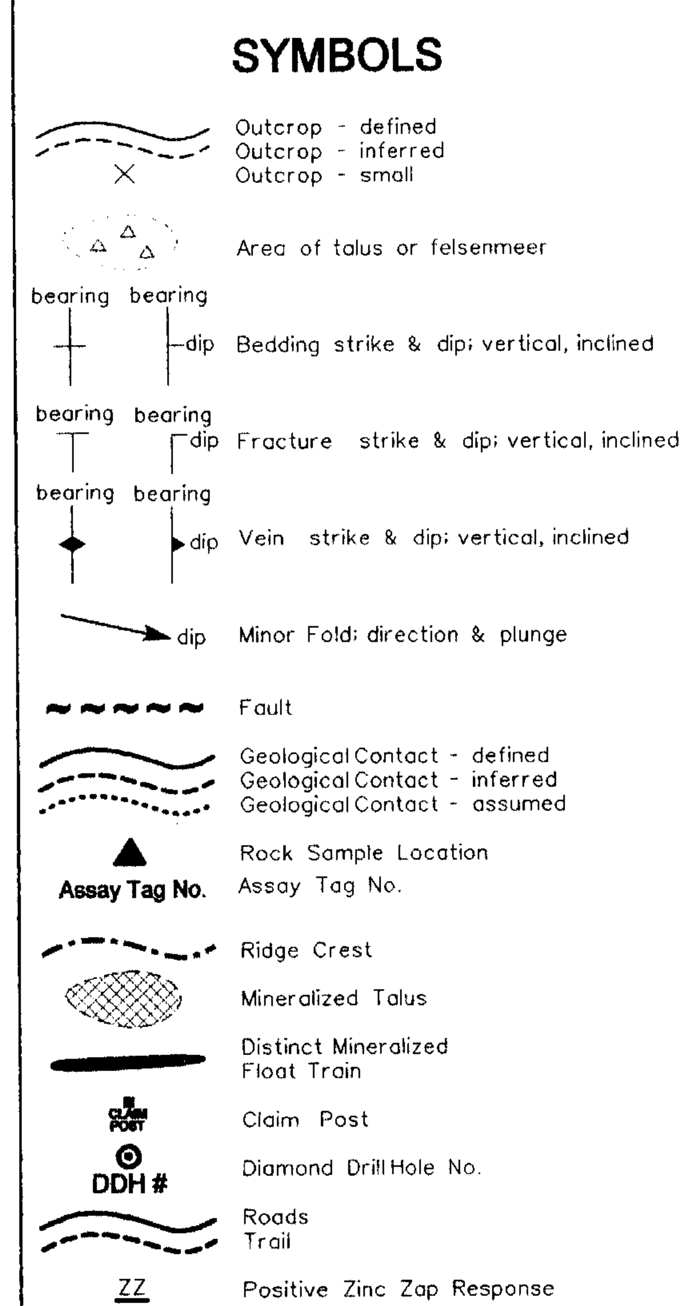
MAPPED BY:	W. RAVEN	SCALE:	1:500
DATE DRAWN:	DECEMBER 8, 1998	DRAWN BY:	98156P © ENERSOURCE



Scale: 1:1000

20 M 0 M 20 M 40 M 60 M

50 FT 0 FT 100 FT 200 FT



093968

SAMPLE RESULTS

Assay Tag No.	Pb Assay %	Zn Assay %	Ag oz/t	Au oz/t
396977	1.42	7.22	18.84	<.001
396978	3.8	38.05	14.86	0.002
396979	70.18	1.8	81.78	<.001
396980	–	–	0.17	<.001
396980R	–	–	0.12	<.001
396981	0.89	47.22	28.25	0.005
396982	2.24	6.21	5.75	0.001

MANSON CREEK RESOURCES LTD.

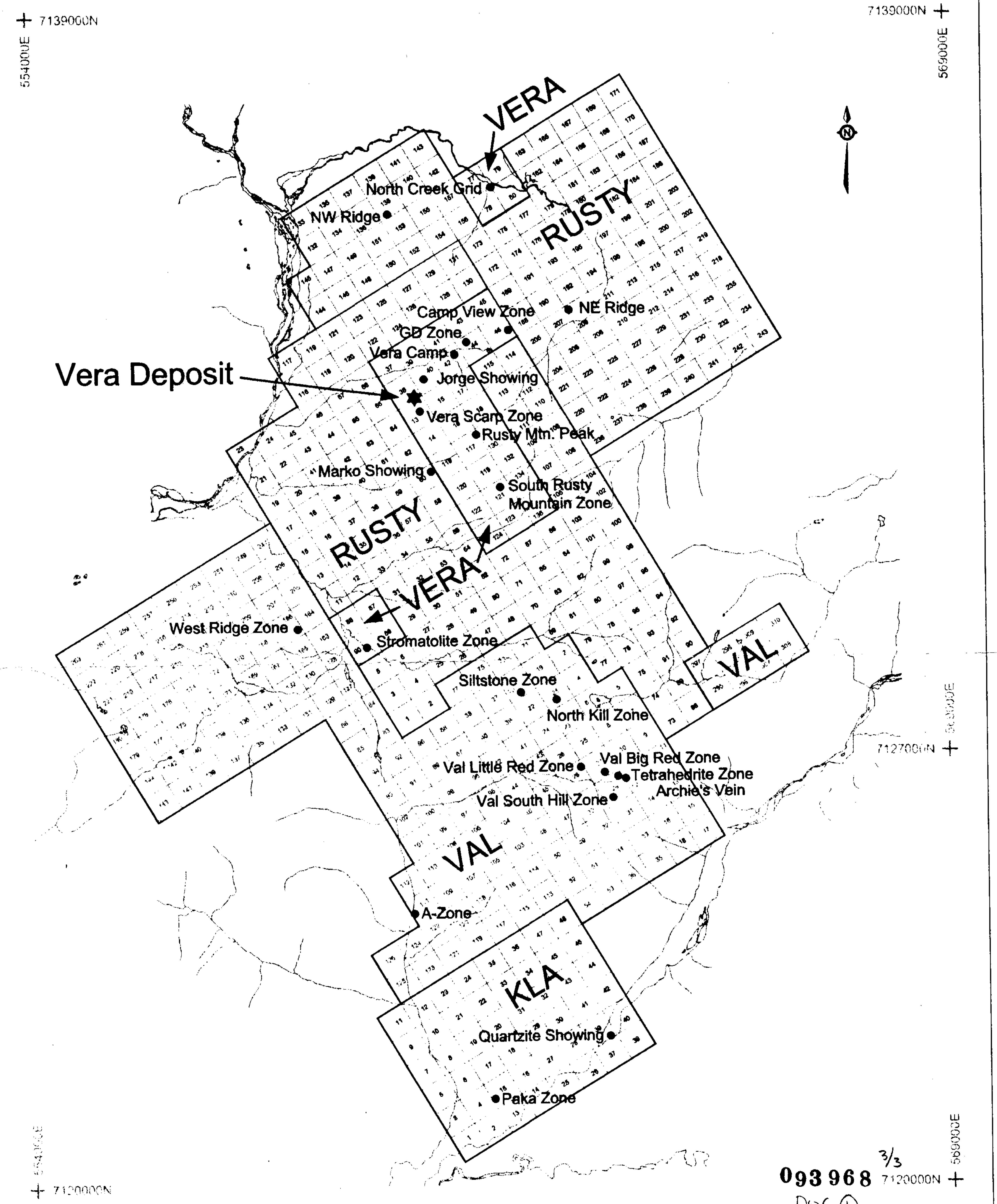
VAL PROPERTY

YUKON TERRITORY, CANADA
NTS 105 C/6

Big Red Zone

DRILLING & SAMPLING PLAN

MAPPED BY:	W. RAVEN	SCALE:	1:1000
DATE DRAWN:	DECEMBER 8, 1998	DRAWN BY:	98154P © ENERSOURCE



093968 3/3

DWG ①

LEGEND

Claims	Owner
VERA	Manson Creek Resources Ltd. 50%
VAL	Prism Resources Inc. 50%
RUSTY	Manson Creek Resources Ltd. 100%
KLA	Manson Creek Resources Ltd. 100%

★ Deposit

● Occurrence/Showing

Scale 1:50,000

0 1000 2000

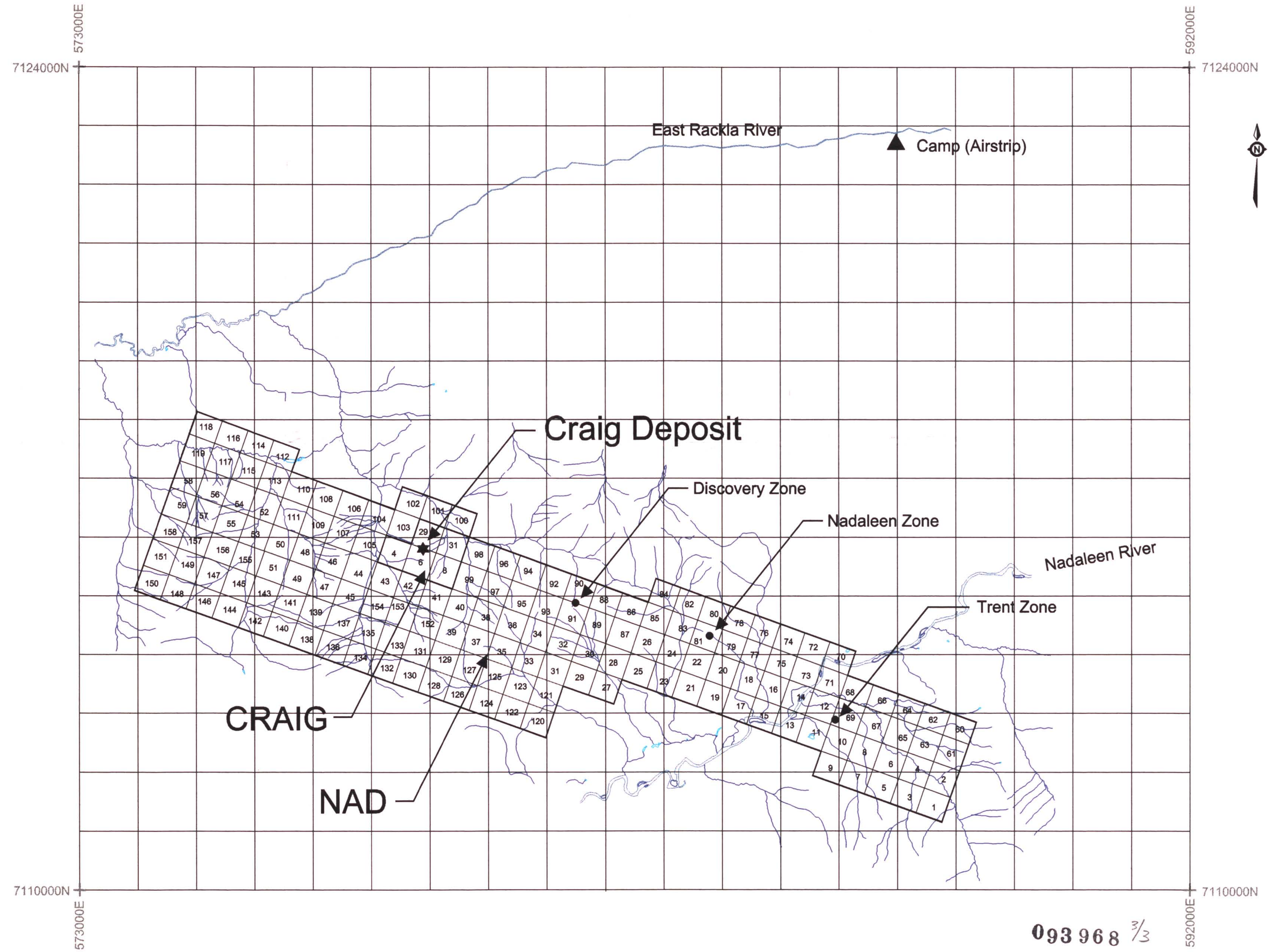
Metres

Manson Creek Resources Ltd.

Vera, Val, Rusty & KLA Claims
Location Map

NTS:	106C4,5	Date:	December 1998
Scale:	1:50,000	Project Code:	MCK-YUK-01

UTM Grid Based on NAD 27



093968 3/3

DWG (2)

Scale 1:50,000

0 1000 2000

Metres

LEGEND

- ★ Deposit
- ● Zone

Manson Creek Resources Ltd.

Nad & Craig Claims Location Map

NTS: 106C/3	Date: December 1998
Scale: 1:50,000	Project Code: MCK-YUK-01

UTM Grid Based on NAD 27

LEGEND

QUATERNARY

19 — Unconsolidated glacial and alluvial deposits.

TERTIARY

18 — Quartz porphyry.

CRETACEOUS

17, 17a, 17f, 17g; 17c, 17d, 17e; 17b — Biotite granodiorite and quartz monzonite; 17a, hornblende/biotite syenite; 17b, diorite and gabbro; 17c, Keno Hill Quartzite: massive quartzite, minor slate and phyllite; 17d, phyllitic quartzite, graphitic and chlorite slate and phyllite; minor limestone; 17e, similar to 17c but may be older; 17f, Bonnet Plume Formation: sandstone, shale and coal; 17g, Bonnet Plume Formation: conglomerate and sandstone.

JURASSIC

16 — Lower Schist Division: argillite, slate, phyllite and quartzite.

TRIASSIC

15 — Black limy shale and limestone; 15a, quartzite and minor shale.

PERMIAN

14 — Tahkandit Formation: chert, cherty limestone and limestone; 14a, limestone with some chert.

CARBONIFEROUS TO PERMIAN

13 — Limestone, black shale, chert and chert-pebble conglomerate; 13a, dark shale, limestone, sandstone and minor chert-pebble conglomerate; 13b, shale, slate and minor limestone.

CARBONIFEROUS

12 — Carbonates and clastics; 12a, Hart River Formation: shale, siltstone and limestone; 12b, shale; 12c, clastics and coal.

DEVONIAN AND MISSISSIPPIAN

11 — Black shale, argillite, minor chert and chert-pebble conglomerate; 11a, Besa River Formation: black shale and siltstone; 11b, argillite, slate, phyllite and quartzite; 11c, black shale, argillite, slate, limestone, chert and chert-pebble conglomerate; 11d, Nation River Formation: chert-pebble conglomerate and chert-grain sandstone.

DEVONIAN

10 — Grey, brown and black massive limestone; 10a, limestone and dolomite; 10b, shale; 10c, clastics; 10d, sandstone; 10e, shale; 10f, Canol Formation: black siliceous shale; 10g, Hume Formation: limestone; 10h, shale; 10i, Cranswick Formation: limestone; 10j, Arnica Formation: dolomite.

SILURIAN AND DEVONIAN

9 — Dolomite and minor limestone; 9a, undivide 9 and 8; 9b, Delorme Formation: dolomite and limestone; 9c, carbonates and clastics.

ORDOVICIAN AND SILURIAN

8 — Mount Kindle Formation: massive, vuggy and reefoid dolomite.

CAMBRIAN AND ORDOVICIAN

7 — Dolomite and limestone; 7a, dark volcanic rocks, tuff and argillite; 7b, Road River Formation: shale and chert; 7c, carbonate debris flows; 7d, Franklin Mountain Formation: dolomite and shale.

CAMBRIAN

6 — Unnamed clastics; 6a, carbonates and clastics; 6b, limestone and bioherms; 6c, Sekwi Formation: dolomite, limestone, shale and sandstone; 6d, Backbone Ranges Formation: quartzite, siltstone, shale and dolomite; 6e, quartzite, siltstone and shale; 6f, pisolitic dolomite and minor quartzite; 6g, dolomite, quartzite and shale; 6h, clastics and carbonates.

HADRYNIAN AND (?) CAMBRIAN

5 — Sheepbed Formation: slate, siltstone, quartzite, conglomerate and limestone.

HADRYNIAN

4 — Unnamed carbonates and clastics; 4a, Rapitan Group: mudstone, limestone, diamictite and iron formation; 4b, dolomite and quartzite; 4c, Rapitan Group undivided; 4d, dolomite; 4e, shale, siltstone, conglomerate and dolomite; 4f, dolomite, shale and sandstone; 4g, dolomite and limestone; 4h, "Grit Unit": slate, siltstone, sandstone and conglomerate; 4i, dolomite and limestone.

HADRYNIAN AND HELIKIAN

3 — Orange-weathering dolomite, dark slate, phyllite and quartzite; 3a, pink-orange and grey weathering dolomite, shale, quartzite, conglomerate and limestone; 3b, buff and orange dolomite, shale and quartzite; 3c, grey dolomite, shale and quartzite; 3d, dolomite-boulder conglomerate; 3e, shale, argillite, siltstone and dolomite.

HELIKIAN

2 — Carbonates, shale and gypsum; 2a, dolomite, shale and gypsum; 2b, dolomite and limestone; 2c, Katherine Formation: sandstone and dolomite; 2d, Tsezotene Formation: sandstone and dolomite; 2e, clastics and carbonates.

HELIKIAN AND (?) APHEBIAN

1 — Dolomite; 1a, dark shale, siltstone and argillaceous dolomite; 1b, slate, phyllite, argillite, quartzite and limestone; 1c, argillite, limestone and minor biotite calc-silicate hornfels.

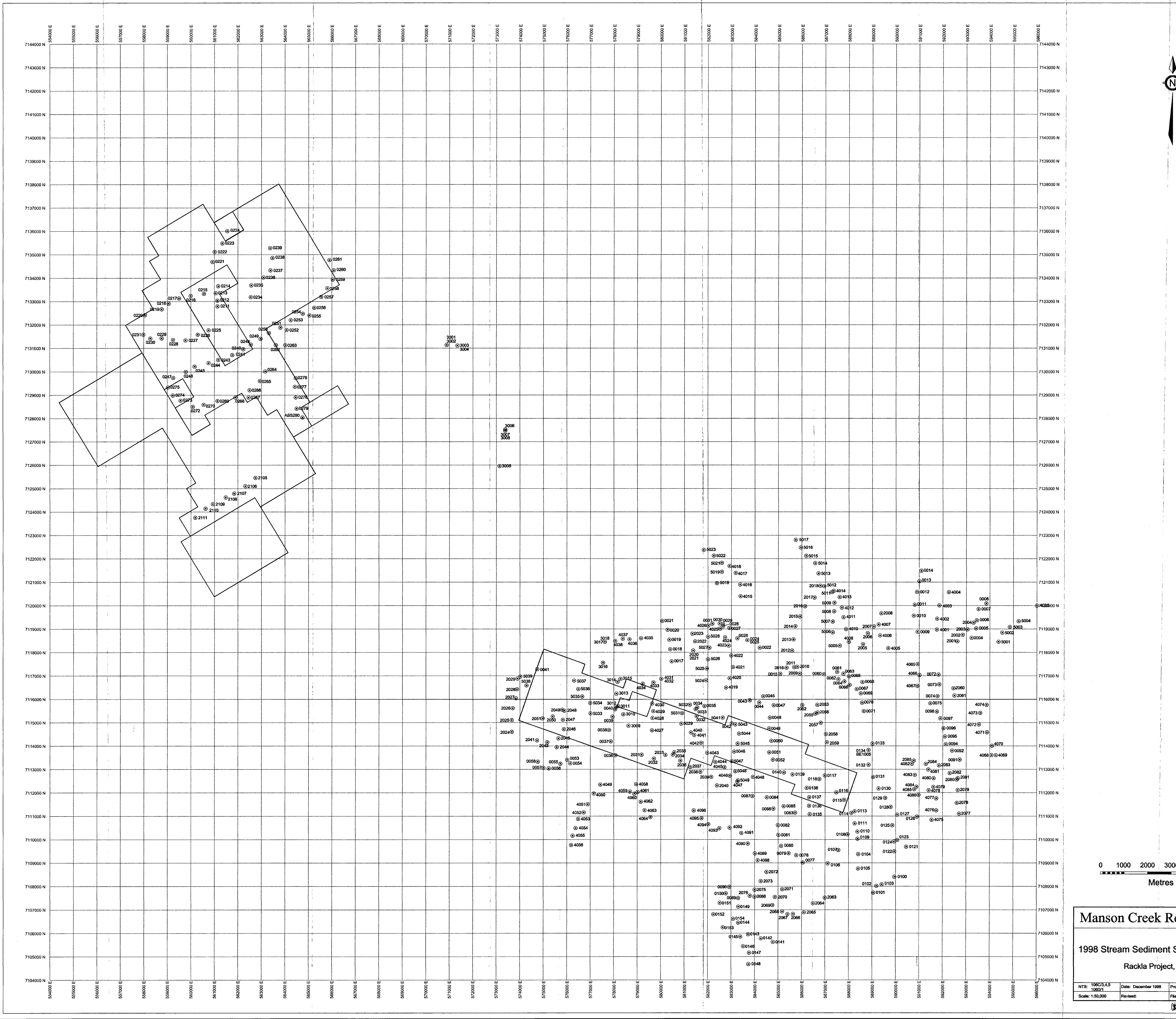
Manson Creek Resources Ltd.

Geology 093968 3/3

NTS: 106C,D,E,F DWG 3

Yukon Territory

NTS: 106C,D,E,F	Date: June 1998	Project: MCK-YUK-01
Scale: 1:250,000	Revised:	File Name: GSC_OF2175_Geology



0 1000 2000 3000 4000 5000

Metres

DWG (4)

093968 3/3

Manson Creek Resources Ltd.

1998 Stream Sediment Sample Locations

Rackla Project, Yukon

NTS: 106C/3,4,5 106D/1	Date: December 1998	Project: MCK-YUK-01
Scale: 1:50,000	Revised:	File Name: 1998 Stream Sample Locations

Assess

Scale 1:20,000

0 500 1000

Metres

LEGEND

● Zone Name

Dwg (5)

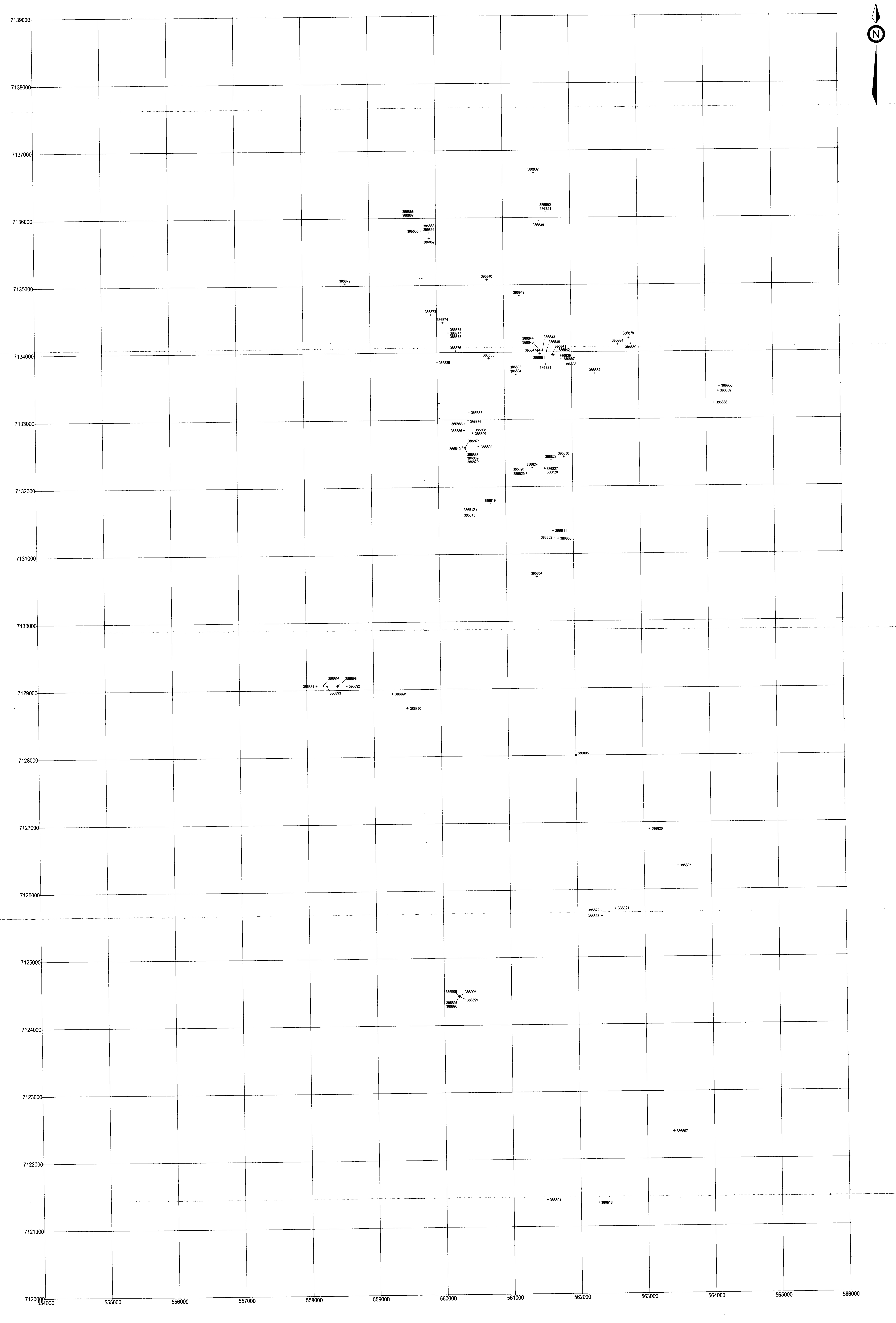
Manson Creek Resources Ltd.

093968 3/3

Vera, Val Rusty & KLA Claims

NTS: 106C/4,5	Date: October 1998	Project Code: MCK-YUK-01
Scale: 1:20,000	Contour Interval: 100m	File Name: Val_Vera_Topo_Ref

UTM Grid Based on NAD 27



0 1000 2000

Metres

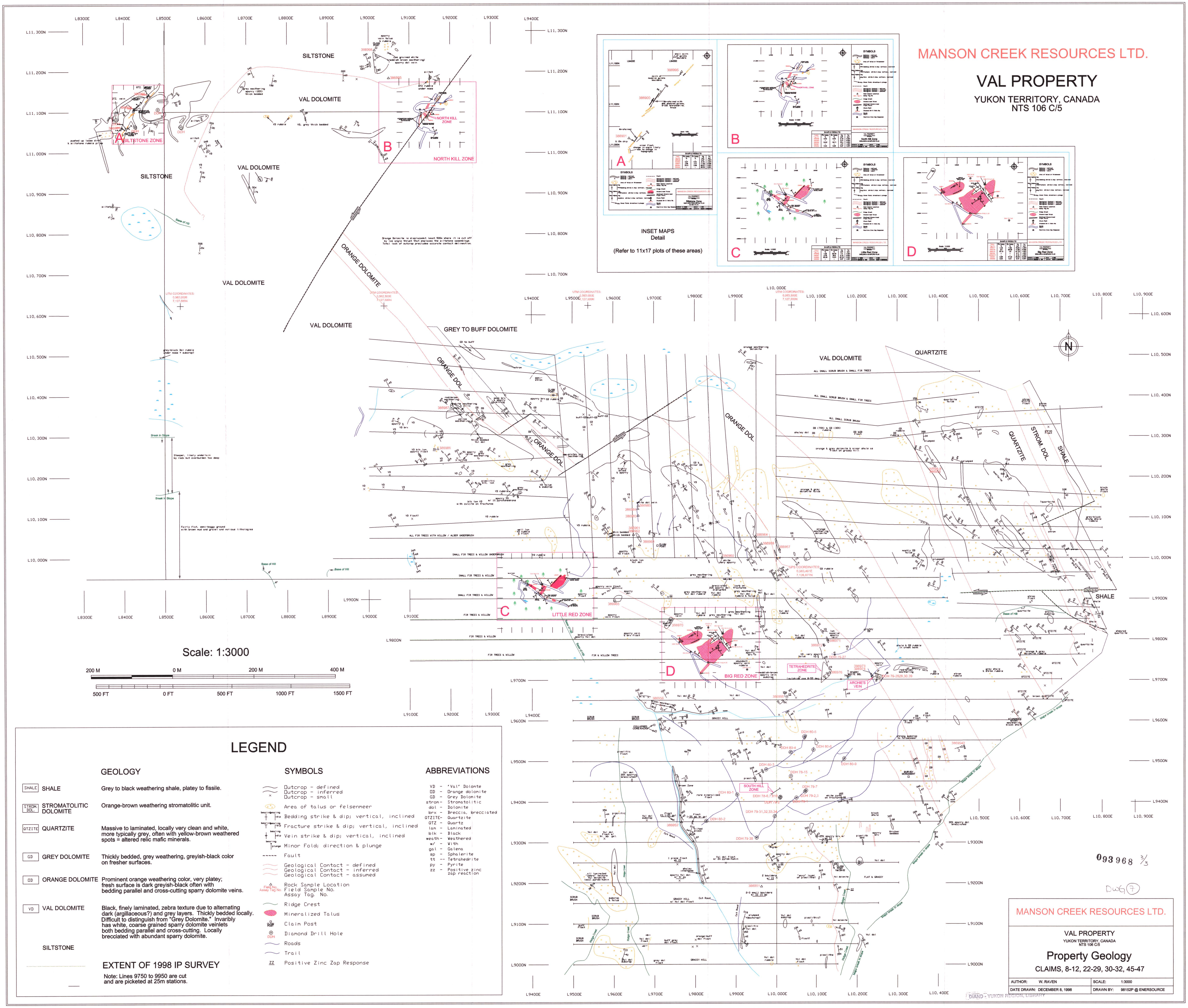
Manson Creek Resources Ltd.

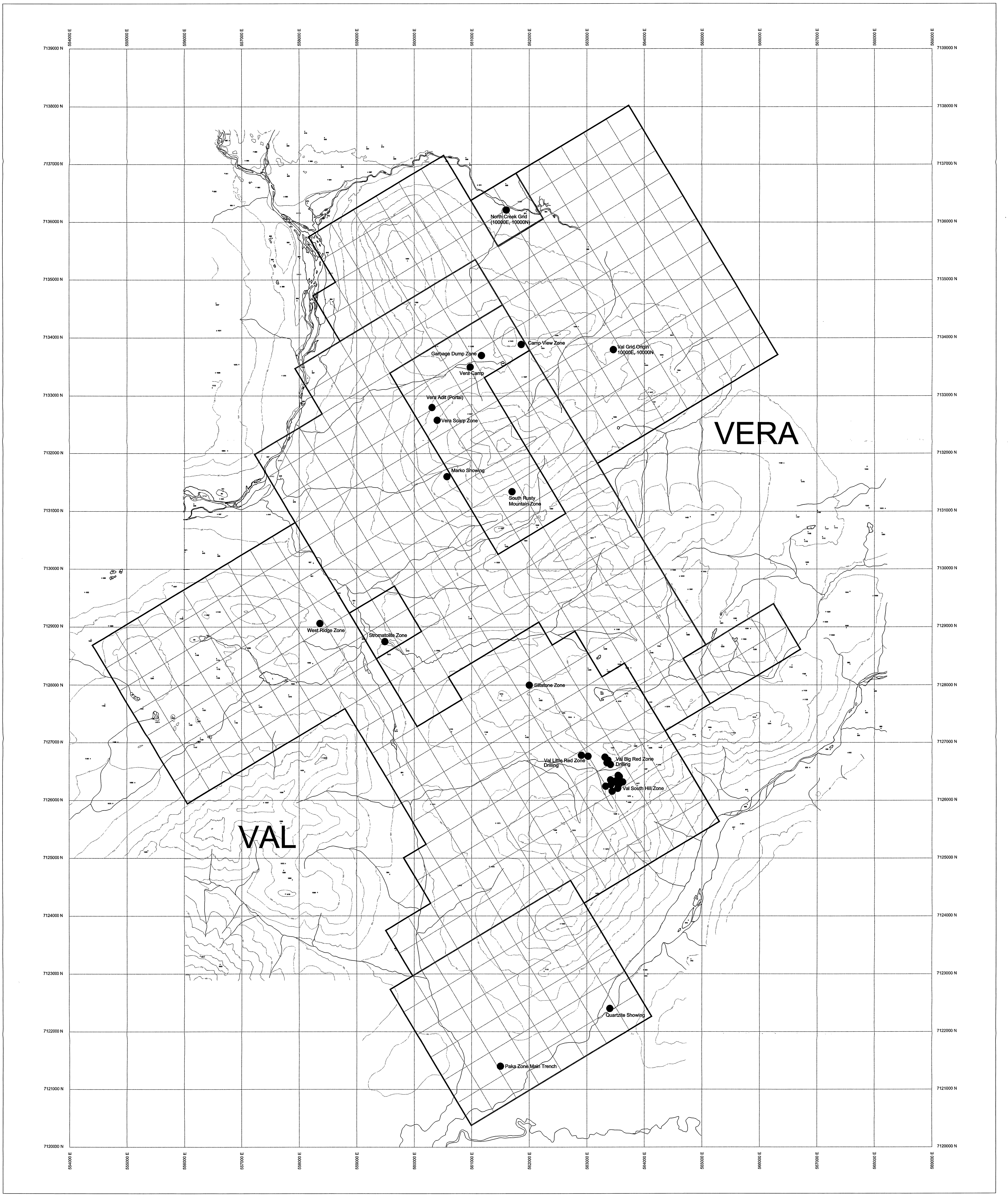
Val, Vera, KLA & Rusty Claims
Rock Sample Sites

Rackla Project, Yukon

093968

NTS: 106C/4,5	Date: December 1998	Project: MCK-YUK-01
Scale: 1:20,000	Author: G. Sivertz	File Name:


MANSON CREEK RESOURCES LTD.
VAL PROPERTY
YUKON TERRITORY, CANADA
NTS 106 C/5
INSET MAPS
Detail
(Refer to 11x17 plots of these areas)
A
B
C
D
SILTSTONE
VAL DOLOMITE
SILTSTONE ZONE
NORTH KILL ZONE
ORANGE DOLOMITE
GREY TO BUFF DOLOMITE
ORANGE DOL
QUARTZITE
STROM. DOL.
SHALE
LITTLE RED ZONE
BIG RED ZONE
TETRAHEDRITE ZONE
ARCHIE'S VEIN
SOUTH HILL ZONE
Scale: 1:3000
200 M
0 M
200 M
400 M
500 FT
0 FT
500 FT
1000 FT
1500 FT
LEGEND
GEOLOGY
SHALE SHALE Grey to black weathering shale, platey to fissile.
STROM. DOL. STROMATOLITIC DOLOMITE Orange-brown weathering stromatolitic unit.
QTZITE QUARTZITE Massive to laminated, locally very clean and white, more typically grey, often with yellow-brown weathered spots = altered relic mafic minerals.
GD GREY DOLOMITE Thickly bedded, grey weathering, greyish-black color on fresher surfaces.
OD ORANGE DOLOMITE Prominent orange weathering color, very platey; fresh surface is dark greyish-black often with bedding parallel and cross-cutting sparry dolomite veins.
VD VAL DOLOMITE Black, finely laminated, zebra texture due to alternating dark (argillaceous?) and grey layers. Thickly bedded locally. Difficult to distinguish from "Grey Dolomite." Invaribly has white, coarse grained sparry dolomite veinlets both bedding parallel and cross-cutting. Locally brecciated with abundant sparry dolomite.
SILTSTONE
EXTENT OF 1998 IP SURVEY
Note: Lines 9750 to 9950 are cut and are picketed at 25m stations.
SYMBOLS
Outcrop - defined
Outcrop - inferred
Outcrop - small
Area of talus or felsenmeer
Bedding strike & dip; vertical, inclined
Fracture strike & dip; vertical, inclined
Vein strike & dip; vertical, inclined
Minor Fold; direction & plunge
Fault
Geological Contact - defined
Geological Contact - inferred
Geological Contact - assumed
Field No. Assay Tag No.
Rock Sample Location
Field Sample No.
Assay Tag. No.
Ridge Crest
Mineralized Talus
Claim Post
DDH
Diamond Drill Hole
Roads
Trail
ZZ
Positive Zinc Zap Response
ABBREVIATIONS
VD - 'Val' Dolomte
OD - Orange dolomite
GD - Grey Dolomite
strom - Stromatolitic
dol - Dolomite
brx - Breccia, brecciated
QTZITE - Quartzite
QTZ - Quartz
lam - Laminated
blk - Black
weath - Weathered
w/ - With
gal - Galena
sp - Sphalerite
tt -- Tetrahedrite
py - Pyrite
zz - Positive zinc zap reaction
093968 3/3
DWG 7
MANSON CREEK RESOURCES LTD.
VAL PROPERTY
YUKON TERRITORY, CANADA
NTS 106 C/5
Property Geology
CLAIMS, 8-12, 22-29, 30-32, 45-47
AUTHOR: W. RAVEN
SCALE: 1:3000
DATE DRAWN: DECEMBER 8, 1998
DRAWN BY: 98152P @ ENERSOURCE
YUKON REGION, LIBRARY



093968

Manson Creek Resources Ltd.

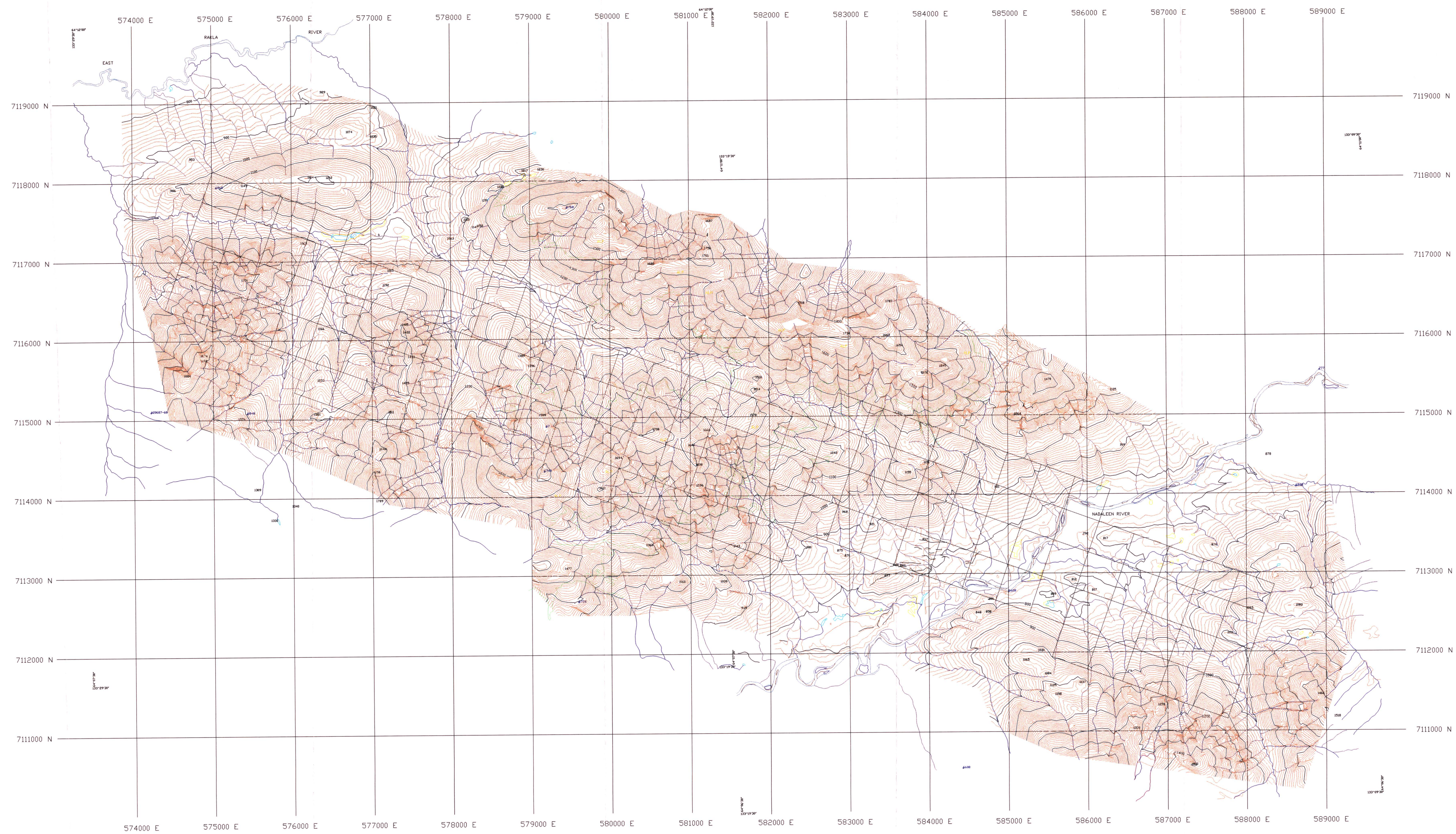
Val Vera Claims

Topography & Zone Locations

NTS: 106C/4,5	Date: October 1998	Project Code: MCK-YUK-01
Scale: 1:20,000	Contour Interval: 100m	File Name:

UTM Grid Based on NAD 27

5400N
5300N
5200N
5100N
5000N
4800E
4900E
5000E
5100E
5200E
5300E
5400E
5500E
5600E
5700E
5800E
Note: Grid North at 350°
LEGEND
GEOLOGY
BEDROCK
SD STROMATOLITIC DOLOMITE
Orange blocky weathering dolomite, medium grey on fresh surface. Stromatolites average 10-15cm in diameter, evident as concentric circles in plan view or columnar in cross section. On bedding surface outlined by dark carbonaceous or argillaceous material. Dolomite is silica rich, cut by numerous quartz veins.
MGD MEDIUM GREY DOLOMITE
Weathers buff to orange, with laminations evident as ridges. Dolomite is laminated in places and silicious. Appears to form thick interbeds in the massive stromatolitic dolomite in talus. Blocky to flaggy.
ISD INTERBEDDED SILTSTONE AND DOLOMITE
Light brown to orange on weathered surface, medium grey on fresh surface. Siltstone layers have rust spots, does not react to HCL. Siltstone beds are 2 cm to 50 cm thick. Laminations are abundant, qtz veins rare.
MVM MINERALIZED VEIN MATERIAL
Vein consists of ga, sph, tet, cpy, py in gangue of sid, qtz, dol, and calcite. Altered at surface, minerals are limonite, pyrolusite, smithsonite, and scorodite.
QVT QUARTZ VEIN
TALUS
SDT STROMATOLITIC DOLOMITE TALUS
MGDT MEDIUM GREY DOLOMITE TALUS
FISDT FLAGGY INTERBEDDED SILTSTONE & DOLOMITE TALUS
BISDT BLOCKY INTERBEDDED SILTSTONE & DOLOMITE TALUS
QVT QUARTZ VEIN TALUS
SYMBOLS
Outcrop
Subcrop
Talus
Road
Bedding
Cleavage
Joint
Plunge / Trend of fold axis
Diamond Drill Hole
Creek / Stream
IP Survey Coverage 1998
ABBREVIATIONS
VD - 'Val' Dolonte
OD - Orange dolomite
GD - Grey Dolomite
strom - Stromatolitic
dol - Dolomite
brx - Breccia, brecciated
qtzite - Quartzite
qtz - Quartz
lam - Laminated
blk - Black
weath - Weathered
w/ - With
gal - Galena
sp - Sphalerite
tt -- Tetrahedrite
py - Pyrite
zz - Positive zinc zap reaction
50 M 0 M 50 M 100 M 150 M
125 FT 0 FT 125 FT 250 FT 375 FT 500 FT
Scale 1:1000
093968 3/3
DWG 8
Note: Grid North at 350°
MANSON CREEK RESOURCES LTD.
VERA PROPERTY
YUKON TERRITORY, CANADA
NTS 106 C/5
Vera Grid Map
Claims Vera 38 & 40
DIAND - YUKON REGION. LIBRARY
AUTHOR: K. Torigai
SCALE: 1:1000
DATE DRAWN: November 25, 1998
DRAWN BY: 98265P @ ENERSOURCE



MANSON CREEK RESOURCES LTD.
CALGARY, ALBERTA
NAD CLAIMS Project

093968 3/3

1:20,000

0 200 400 600 800 1000 m

Contour Interval 10m

NTS 106 C/3

Zone 8

N

REFERENCES

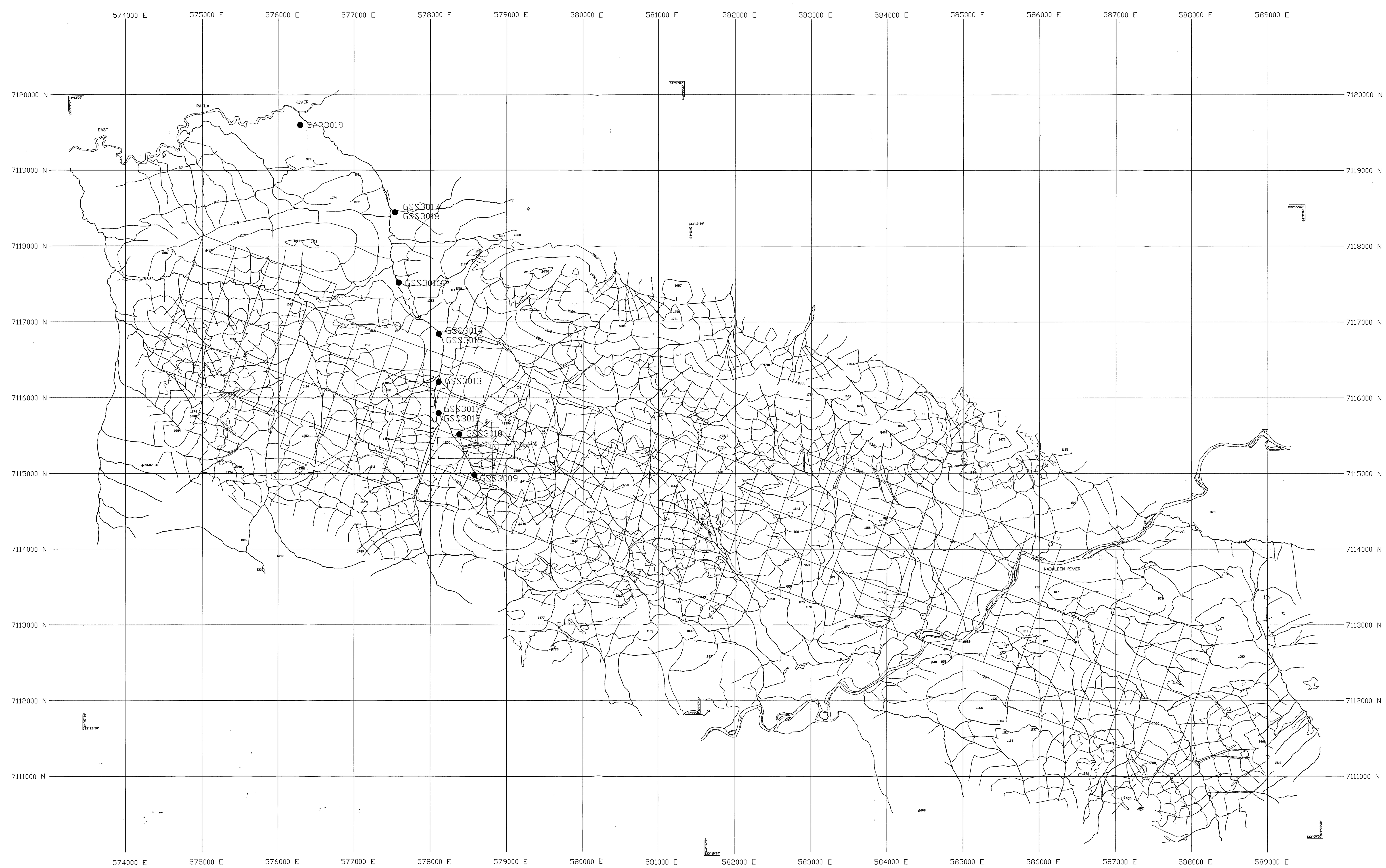
- Paved Road
- Main Road
- Secondary Road
- Abandoned Road
- Bridge
- Railway
- Trail
- Transmission Line
- Cut and Seismic Lines
- Fence
- Index Contour (200)
- Intermediate Contour
- Depression Contour
- Rock Bluff
- Timber Type Line
- Tree Opening
- Swamp
- Marsh
- Slide
- Major River
- River
- Stream
- Lake
- Sand
- Tree Height (F23)
- Esker
- Moraine

Produced for Manson Creek Resources Ltd.
1998 Mapping Based on NAD 27
1968 Photography - Photos A20687 65 - 68

Western Scanning Ltd.
Vancouver

DWG 9

MANSON CREEK RESOURCES LTD.
CALGARY, ALBERTA
NAD CLAIMS Project



1:20,000

0 200 400 600 800 1000 m

Contour Interval 100m

NTS 106 C/3

Zone 8

N

REFERENCES

Paved Road
Main Road
Secondary Road
Abandoned Road
Bridge
Railway
Trail
Transmission Line
Cut and Seismic Lines
Fence
Index Contour
Intermediate Contour
Depression Contour
Rock Bluff
Timber Type Line
Tree Opening
Swamp
Marsh
Slide
Major River
River
Stream
Lake
Sand
Tree Height
Esker
Moraine

Produced for Manson Creek Resources Ltd.
1998 Mapping Based on NAD 27
1968 Photography - Photos A20687 65 - 68

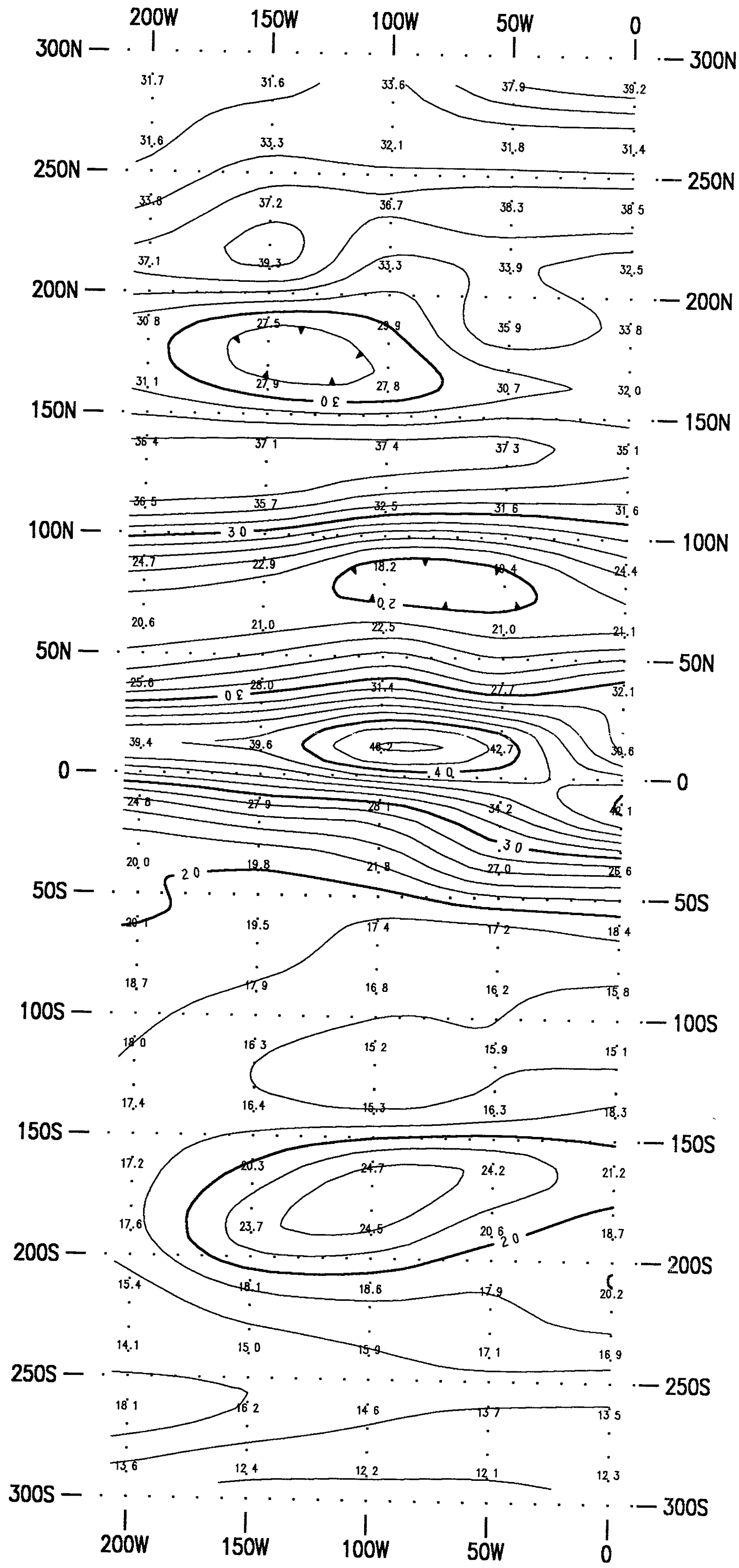
093968

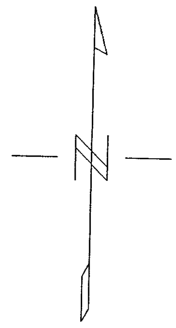
Western Scanning Ltd.
Vancouver


CRAIG "WEST" ZONE Ag-Pb-Zn
SAMPLE 643555 : 210 g/T Ag 25.6% Pb 0.40% Zn
"DISCOVERY" ZONE Ag-Zn-Pb
COPPER SHOWING: SAMPLE 643606 = 5.27% Cu
COPPER/GOLD SHOWING
sample Cu% Au(g/T)
643540 10.4 20.37
643541 16.0 8.3
643607 6.85 9.72
UTM NORTHING NAD 27
7 113 000 N
577 000 E
UTM EASTING NAD 27
MANSON CREEK RESOURCES LTD.
MCK-YUK-1 Project
Nadaleen Range Geological mapping and prospection sampling.
Map of traverse location and sample sites.
LEGEND
Geological traverse path
234 Sample location and number (all samples start with the prefix 643)
Mineralization
093968
DWG 10
N
Mapping August 1998 by JP Jutras
Map Drawn October 1998 by JP Jutras
Scale 1:5 000
0
500 meters
DIAND - YUKON REGION, LIBRARY

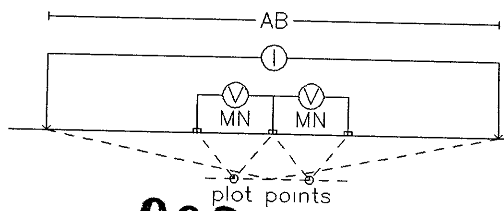

MANSON CREEK RESOURCES LTD.
MCK-YUK-1 Project
Nadaleen Range Geology Map
LEGEND
093968
DWG 11
Lithology
SEDIMENTS
CARBONATES
Lst Bedded calcareous coarse bluish to yellow siltstones/sandstones
Lst Finely laminated light to dark grey calcareous/siliceous sediments
LstR Massive 'reef' type limestones, grey to yellow to orange in color
SCHISTS ('grit unit')
Sch Heavily foliated mudstones and siltstones, finely bedded
Sch Sandstone beds
Sch Conglomerates
Ch Fine grained chemical (exhalative) sediments, light to dark grey cherts, green phyllites
VOLCANICS
serp 'Serpentinites'
Vlc Andesitic to Rhyolitic tuffs, flows and agglomeratic units
'OTHERS'
FD 'Ferrodolomites' Fractured, silicified dolomitic orange weathering units. Origin uncertain at this time.
brxx Silicified brecciated bodies, crosscutting to stratigraphy and often carrying disseminated sulphides
Black silica glass networks, interpreted to be volcanic/hydrothermal sinters
Bedding (direction/dip)
Foliation (direction/dip)
Lineation (direction/dip) (including fold axes))
Scale 1:5 000
0
500 meters
Mapping : August 1998 by JP Jutras
Map Drawn October 1998 by JP Jutras
DIAND - YUKON REGION
UTM NORTHING NAD 27
UTM EASTING NAD 27
7113 000 N
577 000 E
no o/c
Sch
Lst
LstR
Vlc
serp
Vlc / FD
FD
brxx
FD/brxx
Sch / Ch
Ch
trans

TOTAL CHARGEABILITY (mV/V)





Gradient Array



093968

Scale 1:2500

25 0 25 50 75 100 125 150

(metres)

MANSON CREEK RESOURCES LTD.
CRAIG PROPERTY
Rackla Camp, Yukon

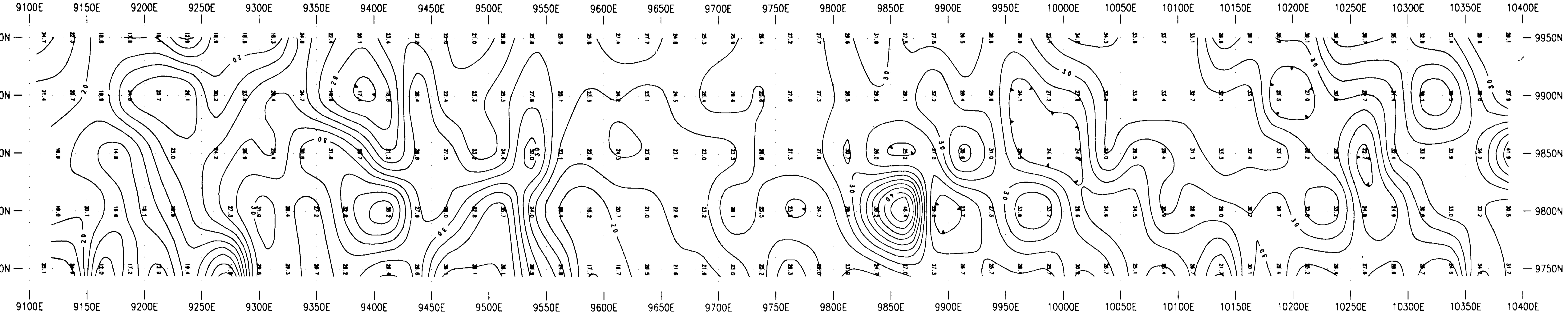
TIME DOMAIN IP SURVEY
Gradient Array
TOTAL CHARGEABILITY
AB= 900 metres

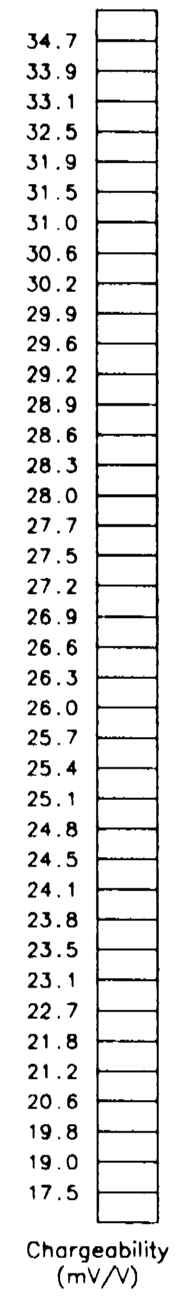
Transmitter Frequency	0.125 Hz (50% duty cycle)
Transmitter Current	1-3 Amps
Decay Curve:	QIP IP-6 Custom Semilogarithmic Windows 10 Gates (30ms to 1770ms)
Station Interval:	25 metres
Chargeability Contour Interval:	2, 10 mV/V
Colour Scale:	Equal Area Zoning

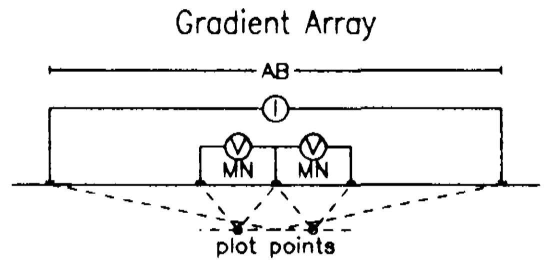
Survey Date:	August\September, 1998
Instrumentation:	Rx = IRIS IP-6 (6 channels) Tx = Phoenix IPT-1

Surveyed & Processed by:
QUANTEC IP INC
DWG. #: P-235-PLAN-CHG-1

TOTAL CHARGEABILITY (mV/V)







093968

Scale 1:2500

25 0 25 50 75 100 125 150 (metres)

DWG 12

MANSON CREEK RESOURCES LTD.

VAL PROPERTY

Rackla Camp, Yukon

TIME DOMAIN IP SURVEY

Gradient Array

TOTAL CHARGEABILITY

AB= 900 metres

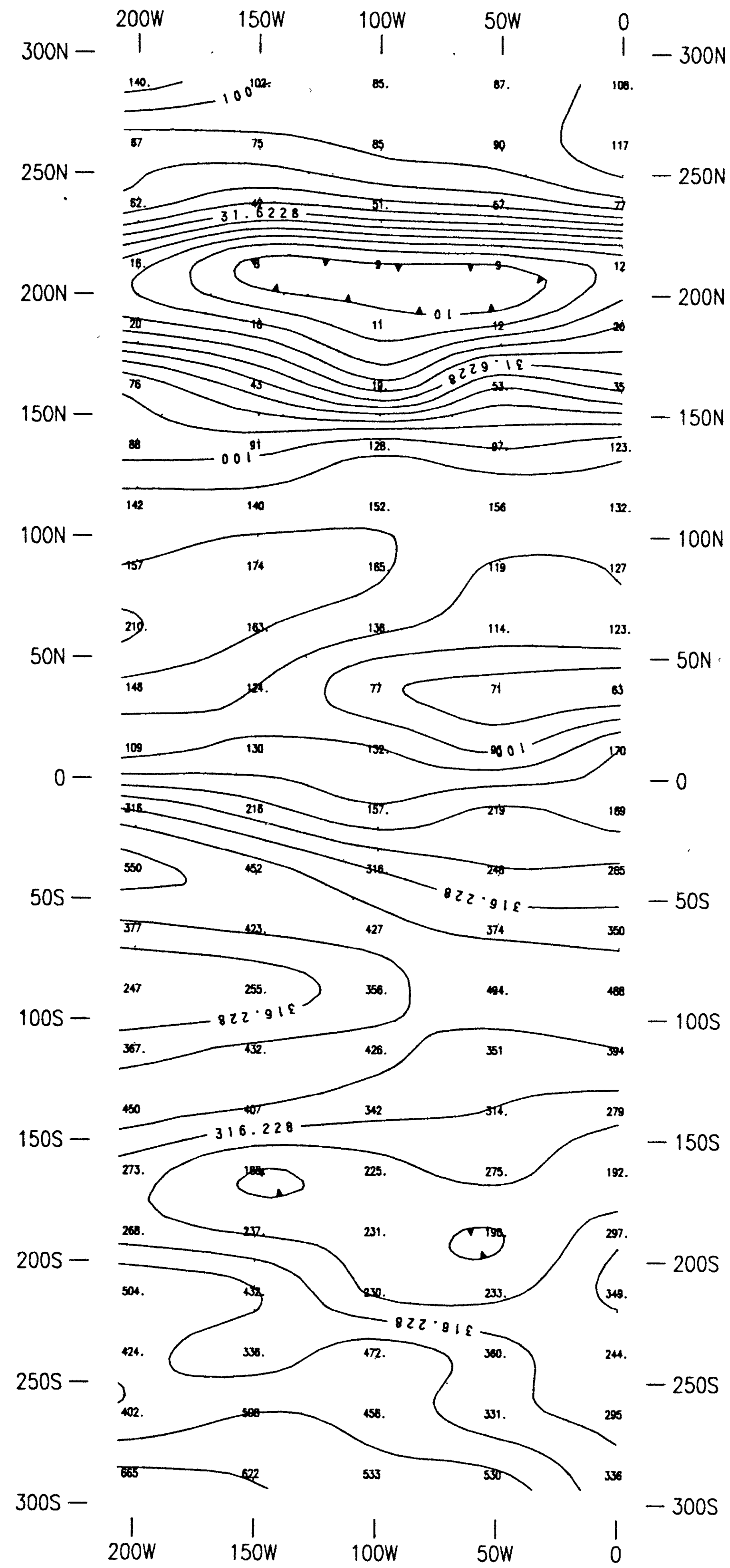
Transmitter Frequency	0.125 Hz (50% duty cycle)
Transmitter Current	1-3 Amps
Decay Curve:	QIP IP-6 Custom Semilogarithmic Windows 10 Gates (30ms to 1770ms)
Station Interval:	25 metres
Chargeability Contour Interval:	2, 10 mV/V
Colour Scale:	Equal Area Zoning
Survey Date:	August, 1998
Instrumentation:	Rx = IRIS IP-6 (6 channels) Tx = Phoenix IPT-1

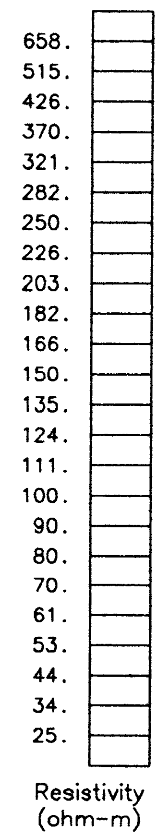
Surveyed & Processed by:

QUANTEC IP INC

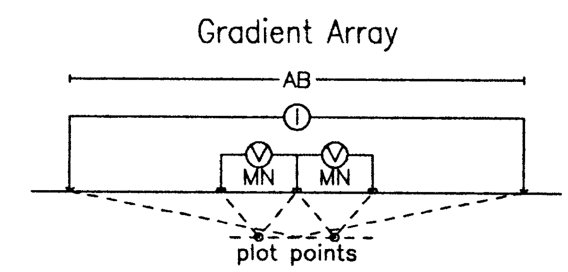
DWG. #: P-235-PLAN-CHG-2

APPARENT RESISTIVITY (ohm-metres)

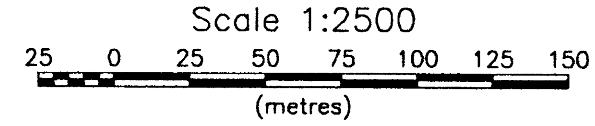




093968



Scale 1:2500



MANSON CREEK RESOURCES LTD.

CRAIG PROPERTY

Rackla Camp, Yukon

TIME DOMAIN IP SURVEY

Gradient Array

APPARENT RESISTIVITY

AB= 900 metres

Transmitter Frequency	0.125 Hz (50% duty cycle)
Transmitter Current	1-3 Amps
Decay Curve:	QIP IP-6 Custom Semilogarithmic Windows 10 Gates (30ms to 1770ms)
Station Interval:	25 metres
Resistivity Contour Interval:	10 levels/log decade
Colour Scale:	Equal Area Zoning

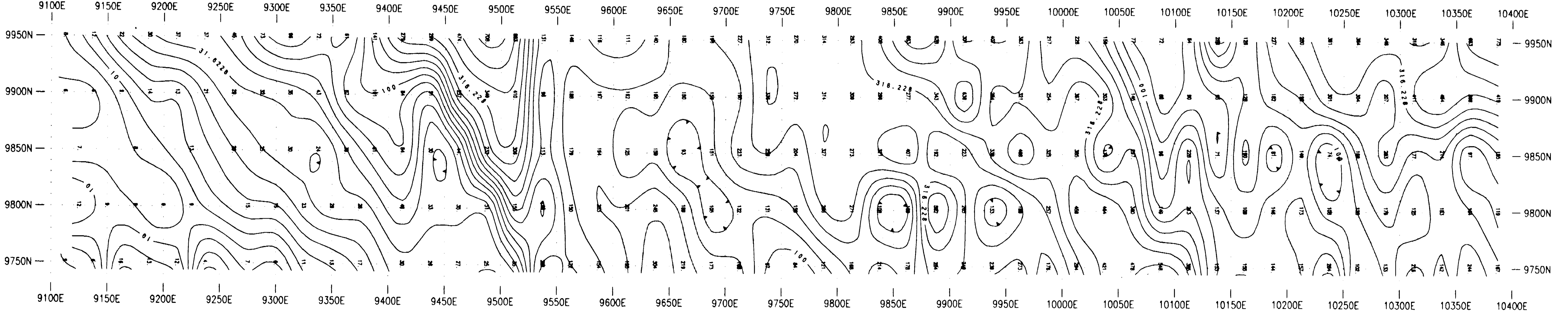
Survey Date:	August\September, 1998
Instrumentation:	Rx = IRIS IP-6 (6 channels)
	Tx = Phoenix IPT-1

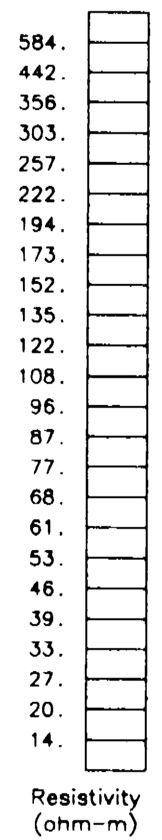
Surveyed & Processed by:

QUANTEC IP INC

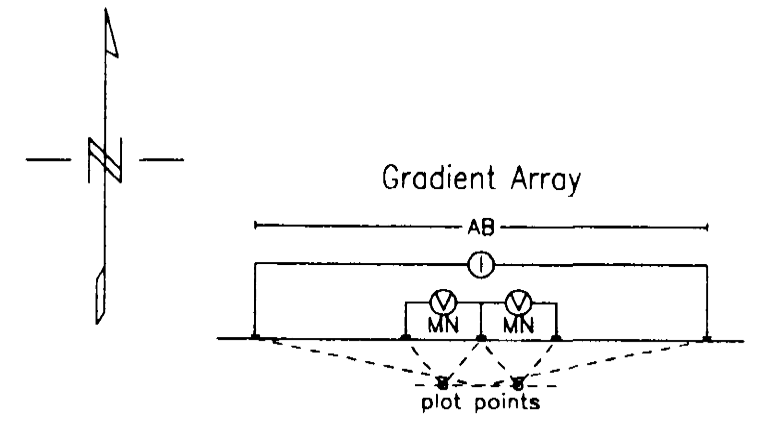
DWG. #: P-235-PLAN-RES-1

APPARENT RESISTIVITY (ohm-metres)





093968
DWG (13)



Scale 1:2500
25 0 25 50 75 100 125 150
(metres)

MANSON CREEK RESOURCES LTD.

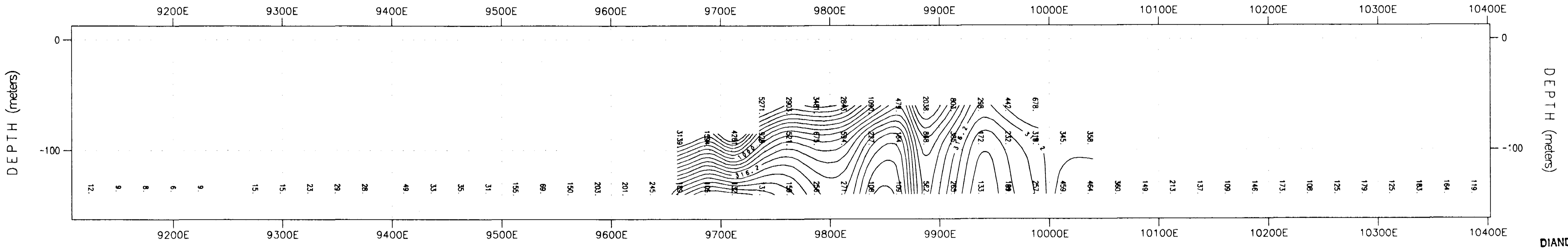
VAL PROPERTY
Rackla Camp, Yukon

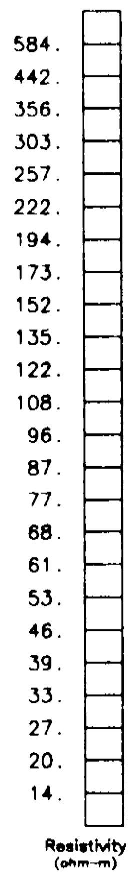
TIME DOMAIN IP SURVEY
Gradient Array
APPARENT RESISTIVITY
AB= 900 metres

Transmitter Frequency	0.125 Hz (50% duty cycle)
Transmitter Current	1-3 Amps
Decay Curve:	QIP IP-6 Custom Semilogarithmic Windows 10 Gates (30ms to 1770ms)
Station Interval:	25 metres
Resistivity Contour Interval:	10 levels/log decade
Colour Scale:	Equal Area Zoning
Survey Date:	August, 1998
Instrumentation:	Rx = IRIS IP-6 (6 channels) Tx = Phoenix IPT-1

Surveyed & Processed by:
QUANTEC IP INC
DWG. #: P-235-PLAN-RES-2

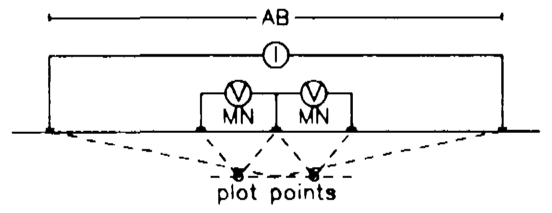
APPARENT RESISTIVITY (ohm-metres)





.093968
DWG (14)

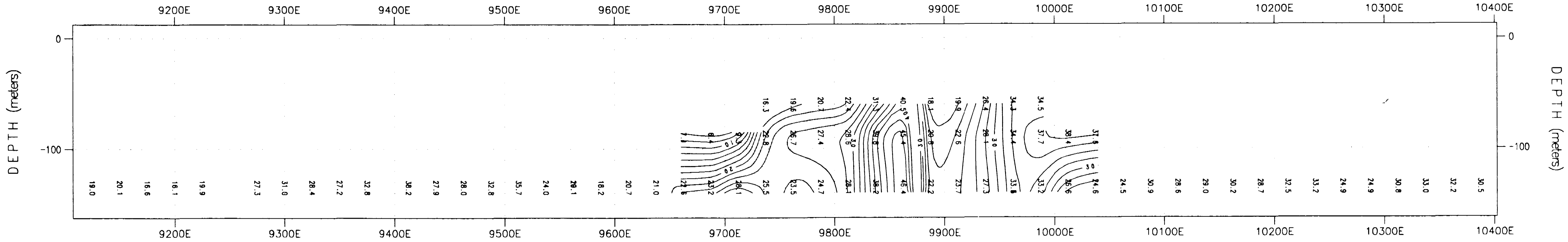
LINE 98+00N

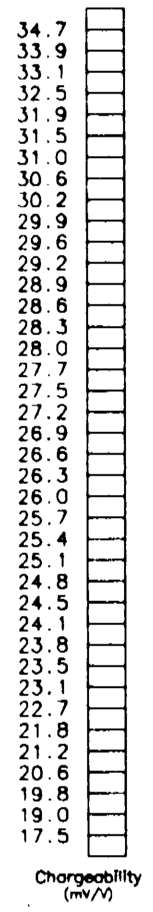


Scale 1:2500

25 0 25 50 75 100 125 150
(metres)

TOTAL CHARGEABILITY (mV/V)





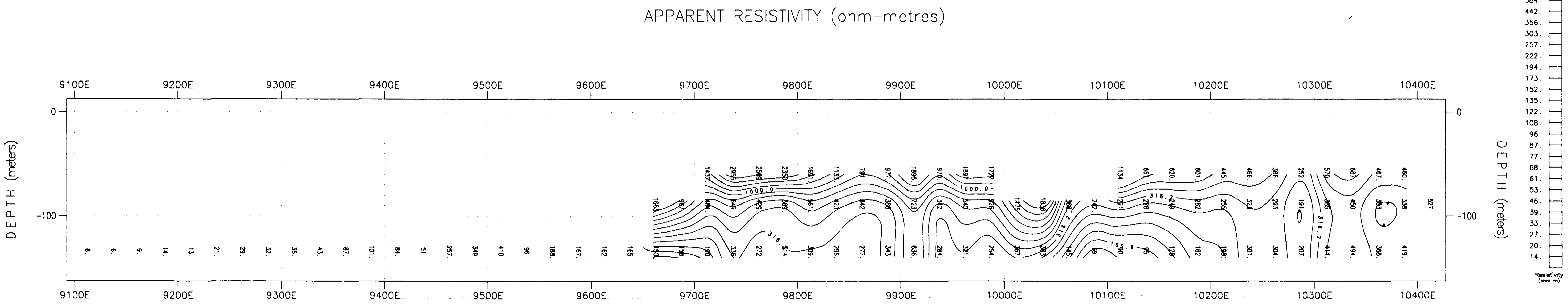
MANSON CREEK RESOURCES LTD.

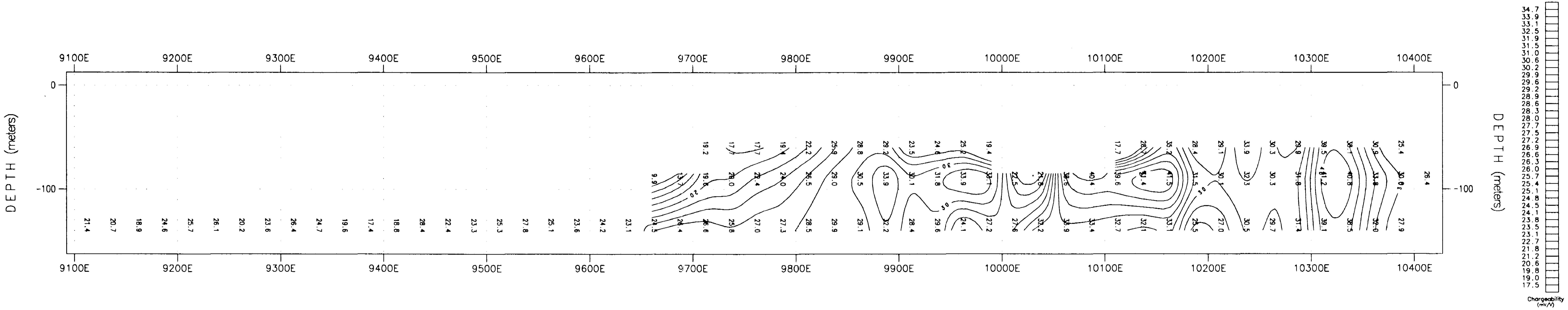
VAL PROPERTY
Rackla Camp, Yukon

TIME DOMAIN IP SURVEY
REALSECTION L98+00N
(Multiple Gradient Arrays)

Transmitter Frequency:	0.125 Hz (50% duty cycle)
Transmitter Current:	1-3 Amps
Decay Curve:	QIP IP-6 Custom Semilogarithmic Windows 10 Gates (30ms to 1770ms)
Station Interval:	25 metres (50m & 25m MN)
Resistivity Contour Interval:	10 levels/log decade
Chargeability Contour Interval:	2, 10 mV/V
Colour Scale:	Equal Area Zoning
Survey Date:	August\September, 1998
Instrumentation:	Rx = IRIS IP-6 (6 channels) Tx = Phoenix IPT-1

Surveyed & Processed by:
QUANTEC IP INC
DWG. #: P-235-RSIP-98+00N



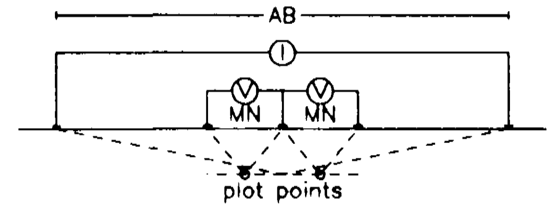


Dwg (15)

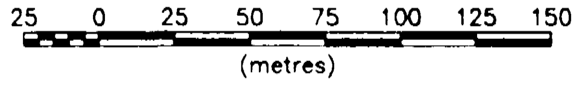
093968

LINE 99+00N

Gradient Array



Scale 1:2500



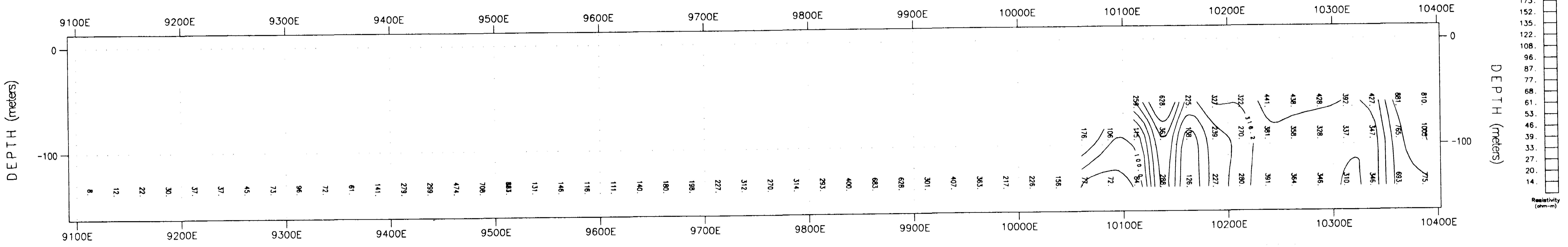
MANSON CREEK RESOURCES LTD.
VAL PROPERTY
Rackla Camp, Yukon

TIME DOMAIN IP SURVEY
REALSECTION L99+00N
(Multiple Gradient Arrays)

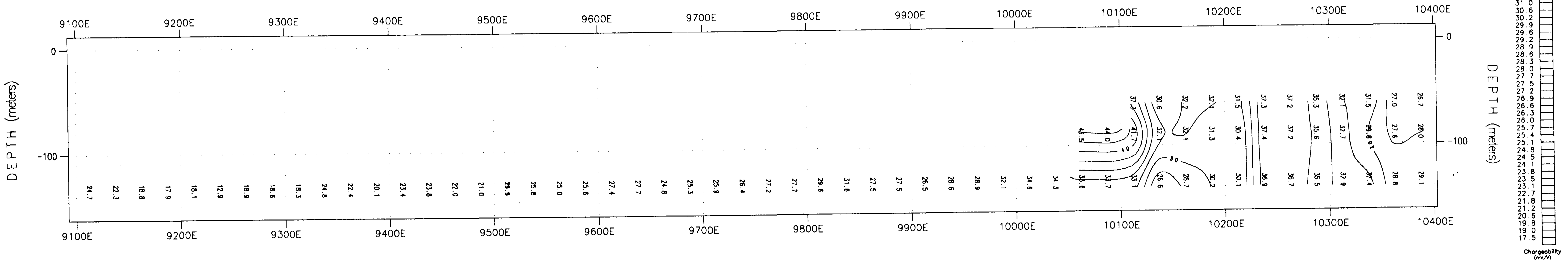
Transmitter Frequency:	0.125 Hz (50% duty cycle)
Transmitter Current:	1-3 Amps
Decay Curve:	QIP IP-6 Custom Semilogarithmic Windows 10 Gates (30ms to 1770ms)
Station Interval:	25 metres (50m & 25m MN)
Resistivity Contour Interval:	10 levels/log decade
Chargeability Contour Interval:	2, 10 mV/V
Colour Scale:	Equal Area Zoning
Survey Date:	August\September, 1998
Instrumentation:	Rx = IRIS IP-6 (6 channels) Tx = Phoenix IPT-1

Surveyed & Processed by:
QUANTEC IP INC
DWG. #: P-235-RSIP-99+00N

APPARENT RESISTIVITY (ohm-metres)



TOTAL CHARGEABILITY (mV/V)

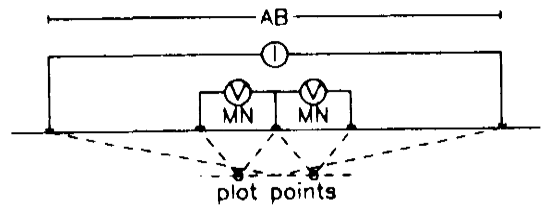


DWG (16)

093968

LINE 99+50N

Gradient Array



Scale 1:2500

25 0 25 50 75 100 125 150 (metres)

MANSON CREEK RESOURCES LTD.

VAL PROPERTY

Rackla Camp, Yukon

TIME DOMAIN IP SURVEY

REALSECTION L99+50N

(Multiple Gradient Arrays)

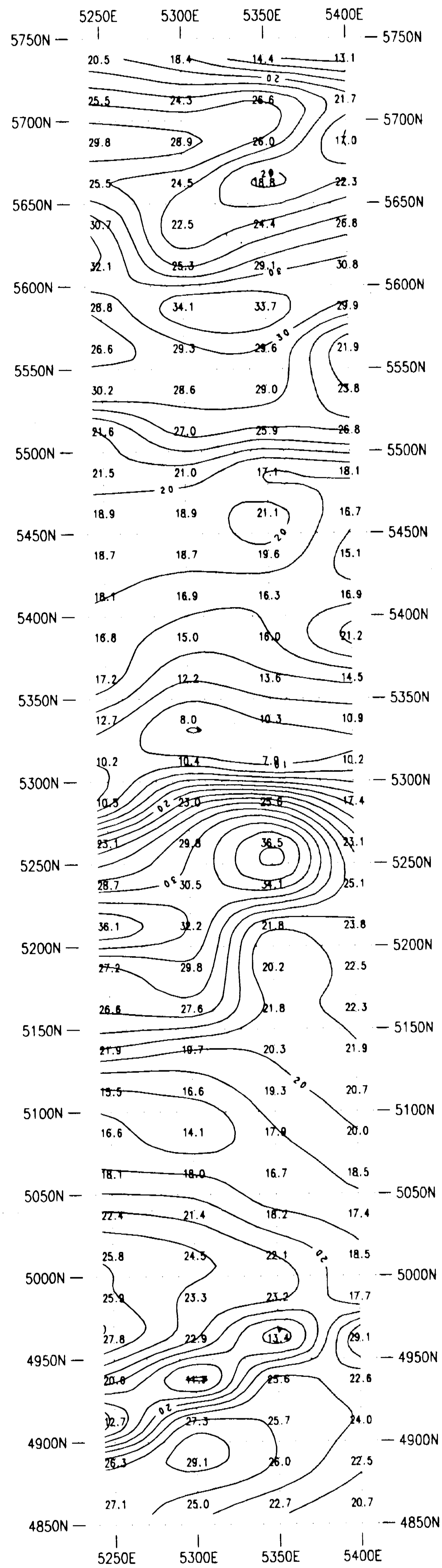
Transmitter Frequency:	0.125 Hz (50% duty cycle)
Transmitter Current:	1-3 Amps
Decay Curve:	QIP IP-6 Custom Semilogarithmic Windows 10 Gates (30ms to 1770ms)
Station Interval:	25 metres (50m & 25m MN)
Resistivity Contour Interval:	10 levels/log decade
Chargeability Contour Interval:	2, 10 mV/V
Colour Scale:	Equal Area Zoning
Survey Date:	August\September, 1998
Instrumentation:	Rx = IRIS IP-6 (6 channels) Tx = Phoenix IPT-1

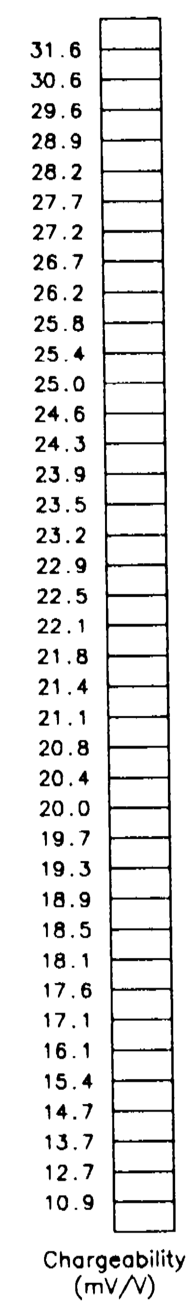
Surveyed & Processed by:

QUANTEC IP INC

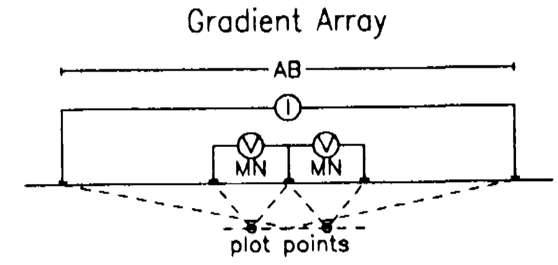
DWG. #: P-235-RSIP-99+50N

TOTAL CHARGEABILITY (mV/V)





Gradient Array



Scale 1:2500

25 0 25 50 75 100 125 150

(metres)

MANSON CREEK RESOURCES LTD.

VERA PROPERTY

Rackla Camp, Yukon

TIME DOMAIN IP SURVEY

Gradient Array

TOTAL CHARGEABILITY

AB= 900 metres

Transmitter Frequency	0.125 Hz (50% duty cycle)
Transmitter Current	1-3 Amps
Decay Curve:	QIP IP-6 Custom Semilogarithmic Windows 10 Gates (30ms to 1770ms)
Station Interval:	25 metres
Chargeability Contour Interval:	2, 10 mV/V
Colour Scale:	Equal Area Zoning
Survey Date:	August/September, 1998
Instrumentation:	Rx = IRIS IP-6 (6 channels) Tx = Phoenix IPT-1

Surveyed & Processed by:

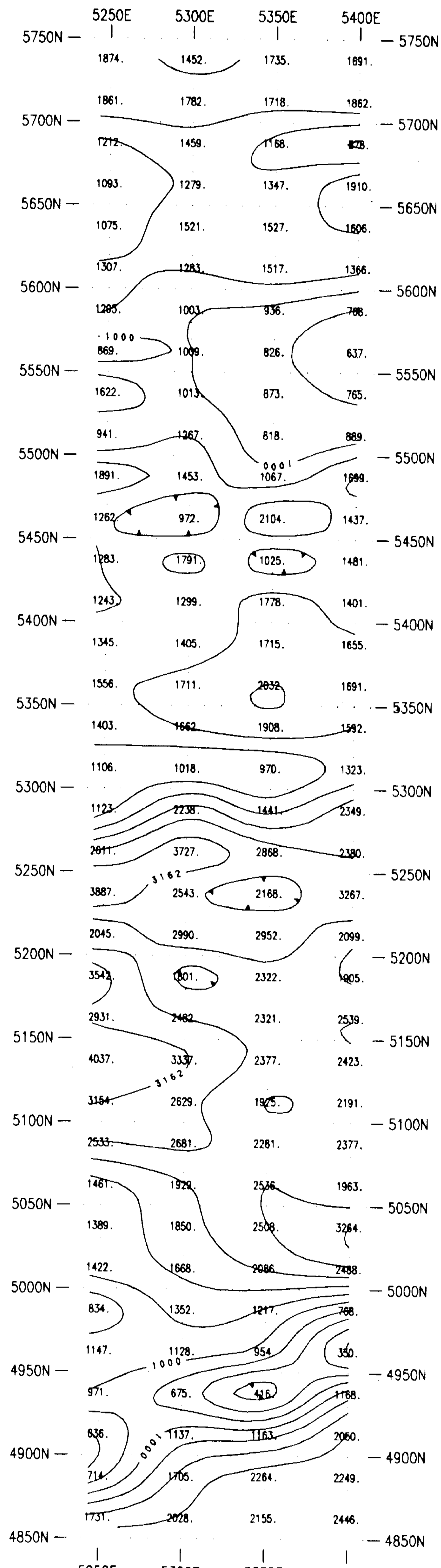
QUANTEC IP INC

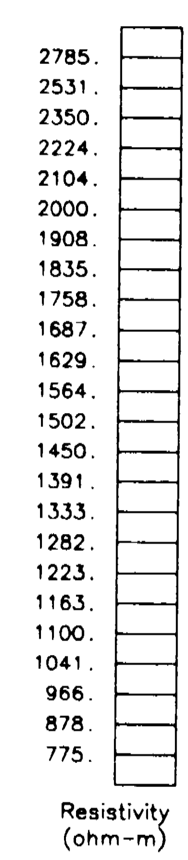
DWG. #: P-235-PLAN-CHG-3

093968

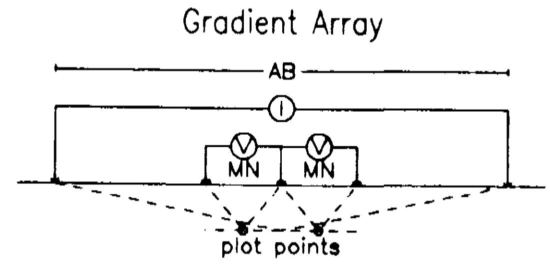
Dwg (17)

APPARENT RESISTIVITY (ohm-metres)

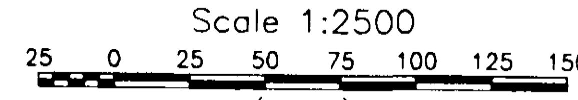




Gradient Array



Scale 1:2500



093968

DWG (18)

MANSON CREEK RESOURCES LTD.

VERA PROPERTY

Rackla Camp, Yukon

TIME DOMAIN IP SURVEY

Gradient Array

APPARENT RESISTIVITY

AB= 900 metres

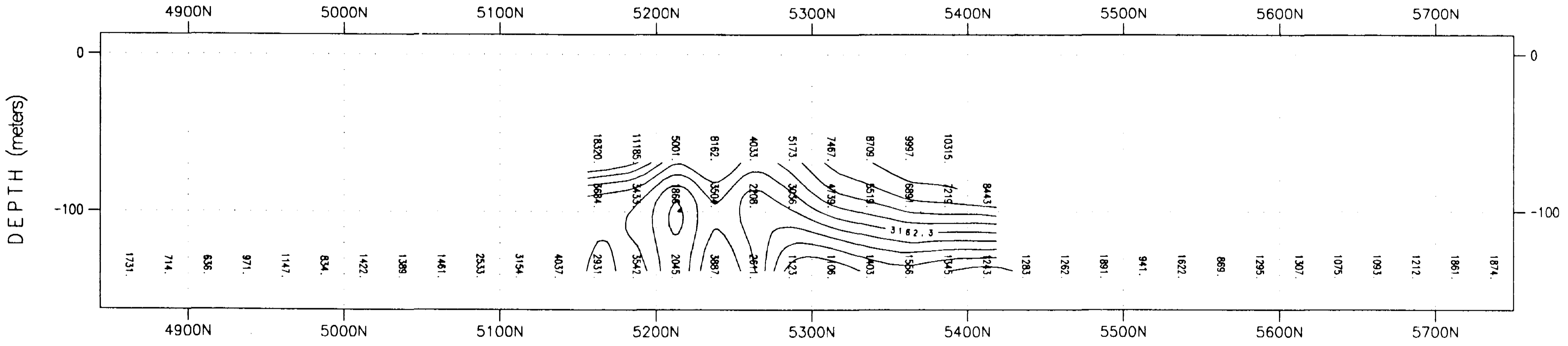
Transmitter Frequency	0.125 Hz (50% duty cycle)
Transmitter Current	1-3 Amps
Decay Curve:	QIP IP-6 Custom Semilogarithmic Windows 10 Gates (30ms to 1770ms)
Station Interval:	25 metres
Resistivity Contour Interval:	10 levels/log decade
Colour Scale:	Equal Area Zoning
Survey Date:	August/September, 1998
Instrumentation:	Rx = IRIS IP-6 (6 channels) Tx = Phoenix IPT-1

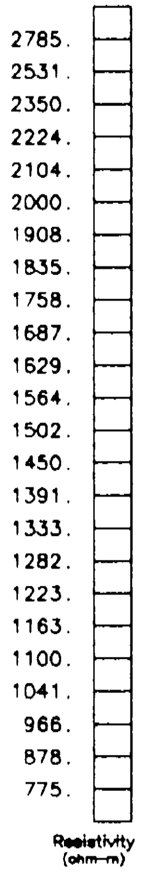
Surveyed & Processed by:

QUANTEC IP INC

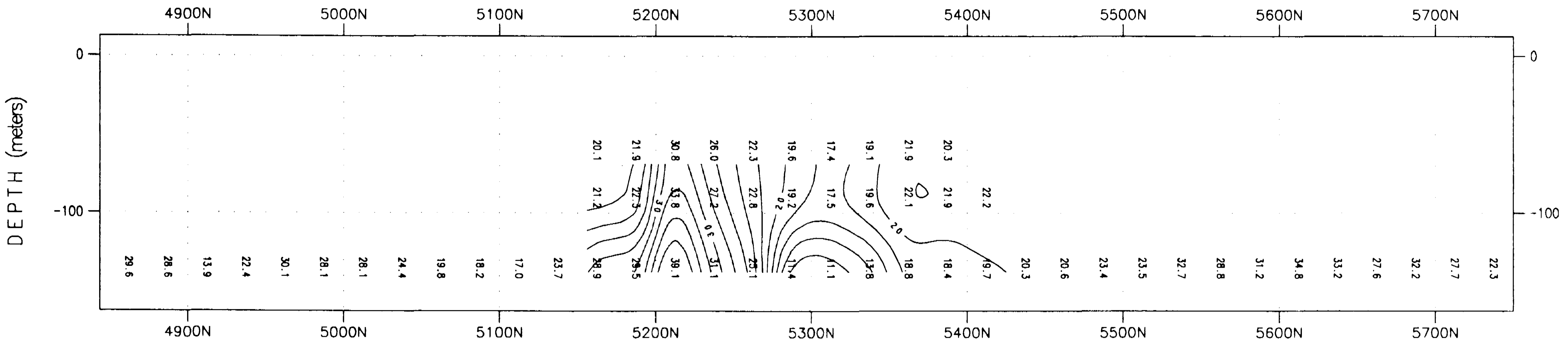
DWG. #: P-235-PLAN-RES-3

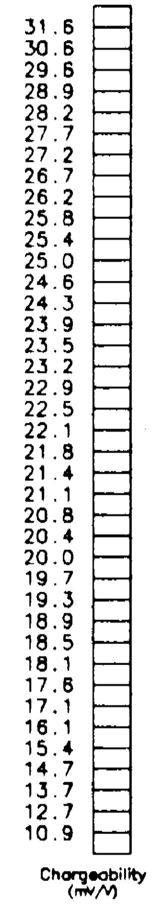
APPARENT RESISTIVITY (ohm-metres)





TOTAL CHARGEABILITY (mV/V)



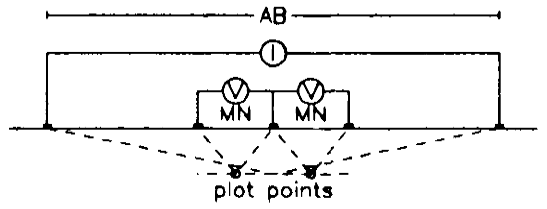


093968

DWG 19

LINE 52+50E

Gradient Array



Scale 1:2500

25 0 25 50 75 100 125 150

(metres)

MANSON CREEK RESOURCES LTD.

VERA PROPERTY

Rackla Camp, Yukon

TIME DOMAIN IP SURVEY

REALSECTION L52+50E

(Multiple Gradient Arrays)

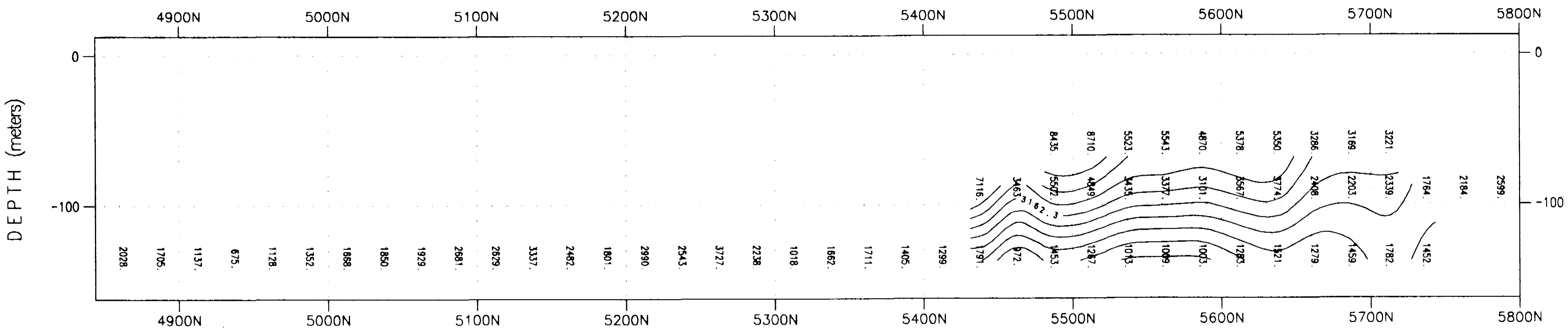
Transmitter Frequency:	0.125 Hz (50% duty cycle)
Transmitter Current:	1-3 Amps
Decay Curve:	QIP IP-6 Custom Semilogarithmic Windows 10 Gates (30ms to 1770ms)
Station Interval:	25 & 12.5 metres
Resistivity Contour Interval:	10 levels/log decade
Chargeability Contour Interval:	2, 10 mV/V
Colour Scale:	Equal Area Zoning
Survey Date:	August\September, 1998
Instrumentation:	Rx = IRIS IP-6 (6 channels) Tx = Phoenix IPT-1

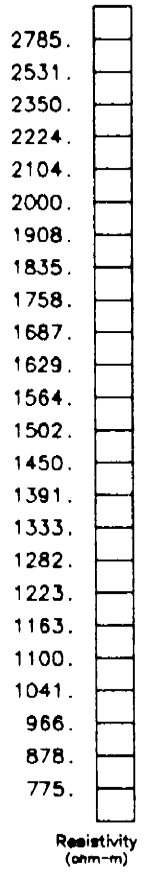
Surveyed & Processed by:

QUANTEC IP INC

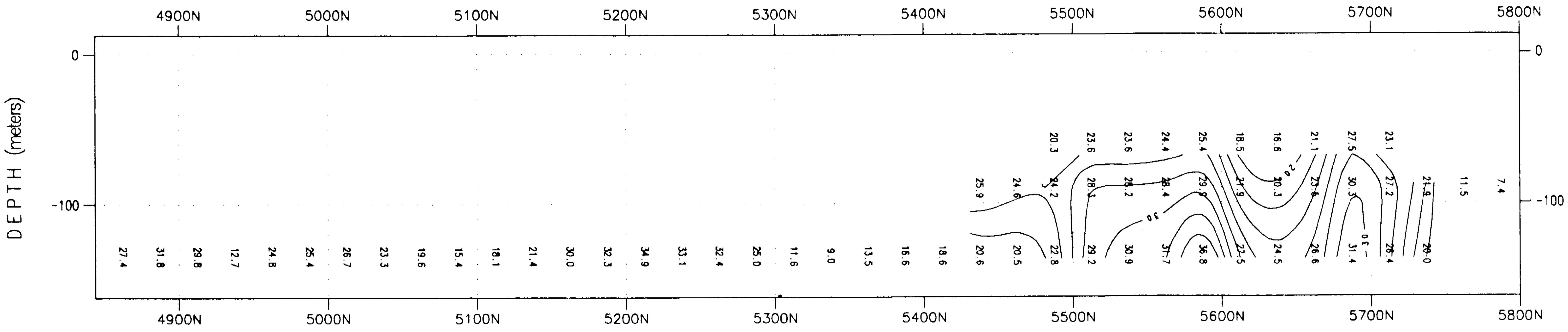
DWG. #: P-235-RSIP-52+50E

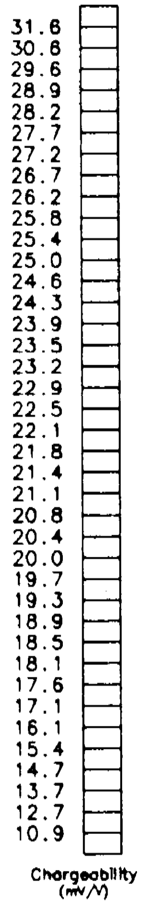
APPARENT RESISTIVITY (ohm-metres)





TOTAL CHARGEABILITY (mV/V)



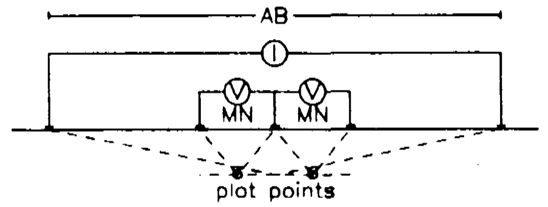


093968

DWG 20

LINE 53+00E

Gradient Array



Scale 1:2500

25 0 25 50 75 100 125 150

(metres)

MANSON CREEK RESOURCES LTD.

VERA PROPERTY

Rackla Camp, Yukon

TIME DOMAIN IP SURVEY

REALSECTION L53+00E

(Multiple Gradient Arrays)

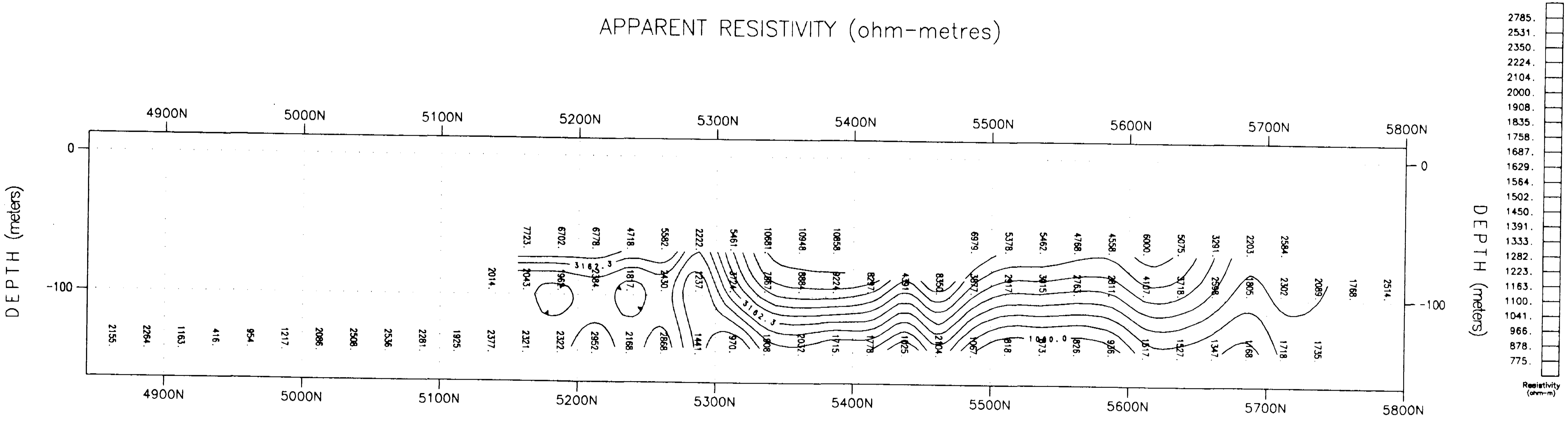
Transmitter Frequency:	0.125 Hz (50% duty cycle)
Transmitter Current:	1-3 Amps
Decay Curve:	QIP IP-6 Custom Semilogarithmic Windows 10 Gates (30ms to 1770ms)
Station Interval:	25 & 12.5 metres
Resistivity Contour Interval:	10 levels/log decade
Chargeability Contour Interval:	2, 10 mV/V
Colour Scale:	Equal Area Zoning
Survey Date:	August\September, 1998
Instrumentation:	Rx = IRIS IP-6 (6 channels) Tx = Phoenix IPT-1

Surveyed & Processed by:

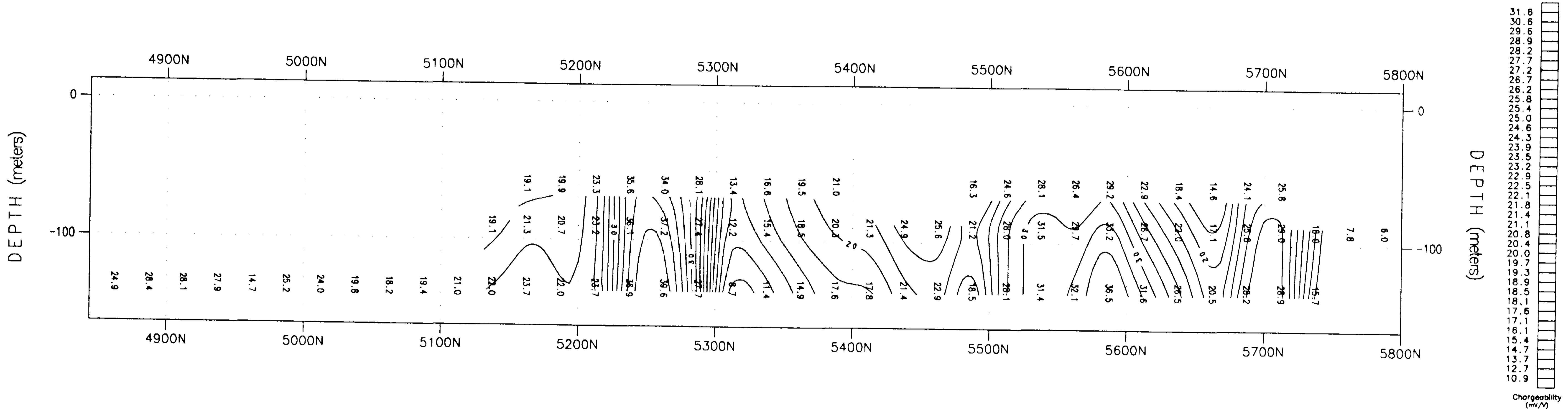
QUANTEC IP INC

DWG. #: P-235-RSIP-53+00E

APPARENT RESISTIVITY (ohm-metres)



TOTAL CHARGEABILITY (mV/V)

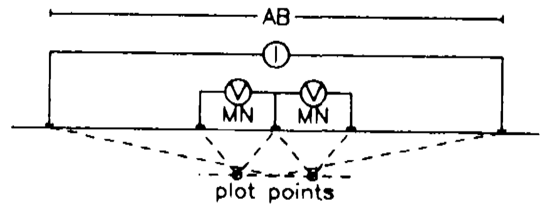


093968

DWG (21)

LINE 53+50E

Gradient Array



Scale 1:2500

25 0 25 50 75 100 125 150

(metres)

MANSON CREEK RESOURCES LTD.

VERA PROPERTY

Rackla Camp, Yukon

TIME DOMAIN IP SURVEY

REALSECTION L53+50E

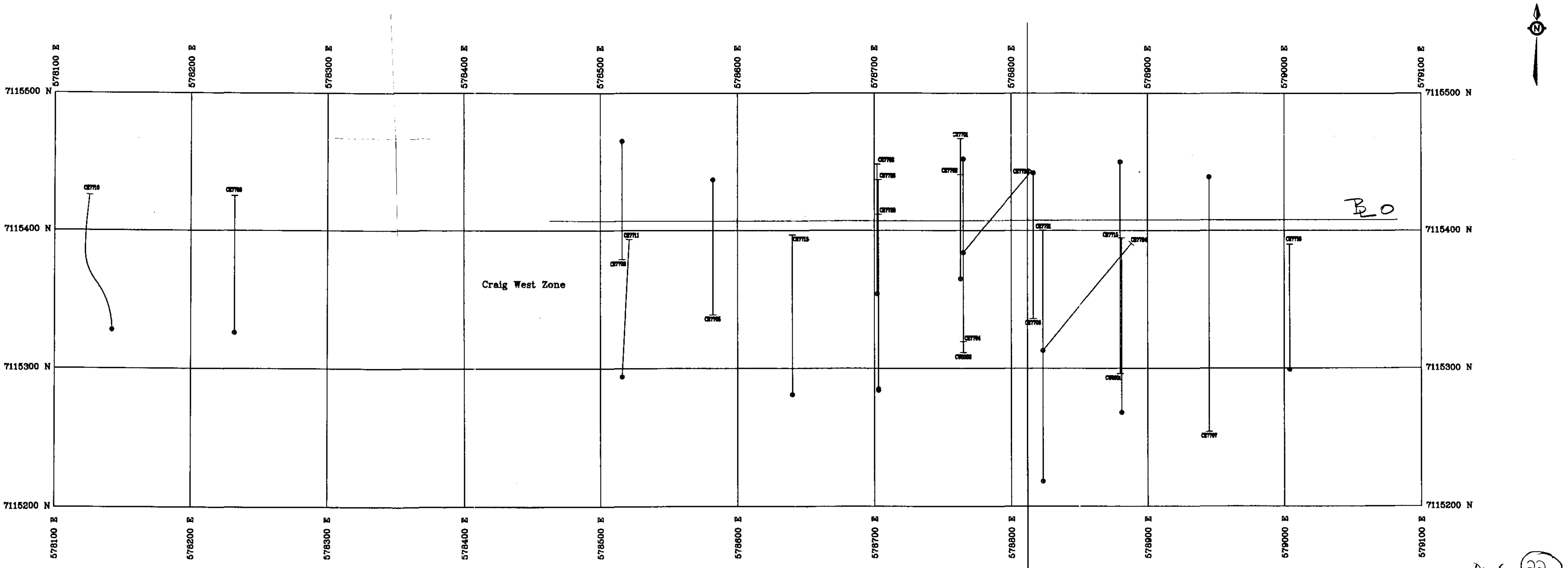
(Multiple Gradient Arrays)

Transmitter Frequency:	0.125 Hz (50% duty cycle)
Transmitter Current:	1-3 Amps
Decay Curve:	QIP IP-6 Custom Semilogarithmic Windows 10 Gates (30ms to 1770ms)
Station Interval:	25 & 12.5 metres
Resistivity Contour Interval:	10 levels/log decade
Chargeability Contour Interval:	2, 10 mV/V
Colour Scale:	Equal Area Zoning
Survey Date:	August\September, 1998
Instrumentation:	Rx = IRIS IP-6 (6 channels) Tx = Phoenix IPT-1

Surveyed & Processed by:

QUANTEC IP INC

DWG. #: P-235-RSIP-53+50E



NWG 22

093968

- Sections + Topo.
- on Same line as IP.

0 20 40 60 80 100
Metres

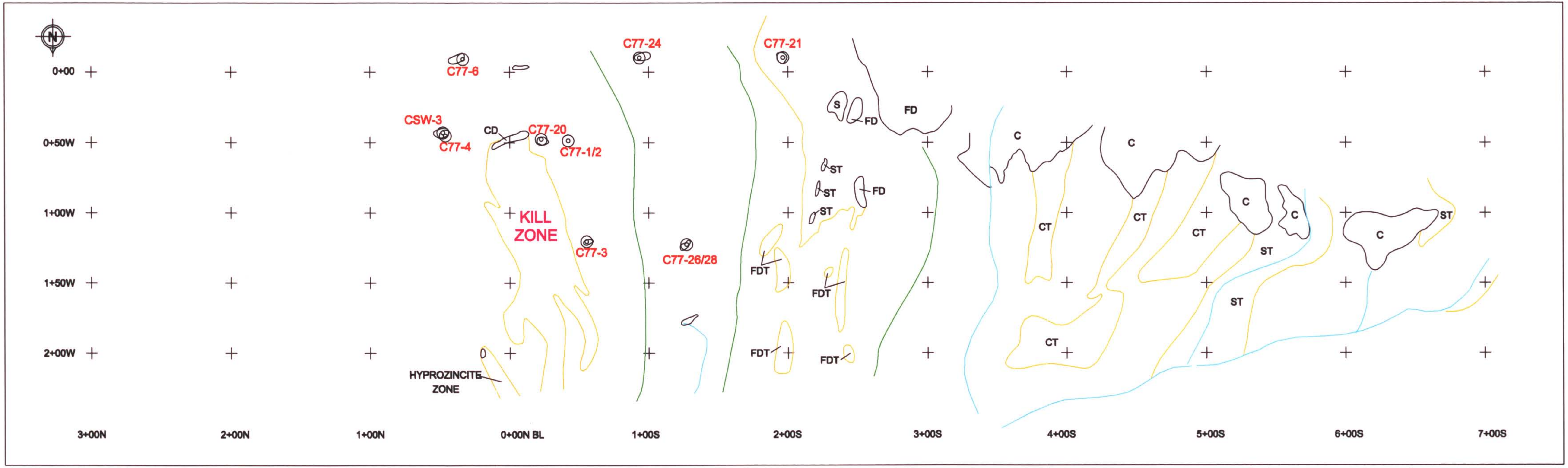
Note: All drillhole names are located at the toe of the drillhole.

Manson Creek Resources Ltd.

Craig Drillhole Plan
1977 & 1980 Drilling

West Zone

NTS: 106C/3	Date: June 10, 1998	Project Code: MCK-YUK-01
Scale: 1:2500	Revised:	File No: Craig Drill Plan June98



LEGEND

- Outcrop
- Talus
- Ridge Crest
- Stream
- Dry Stream Bed

DDH# Diamond Drill Hole
CD Craig Dolomite
FD Ferro Dolomite
S Serpentenite
C Carbonate
(with "T" modifier = Talus)

SCALE: 1:2500

50 M 0 M 50 M 100 M 150 M

125 FT 0 FT 125 FT 250 FT 375 FT 500 FT

DWG (23)

093968

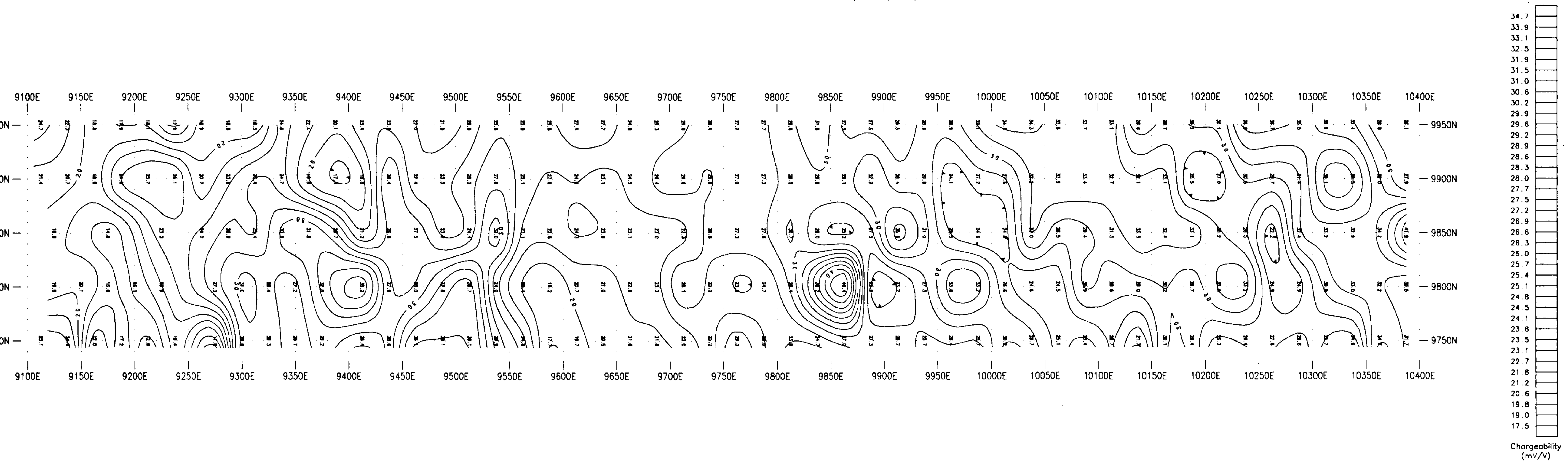
MANSON CREEK RESOURCES LTD.

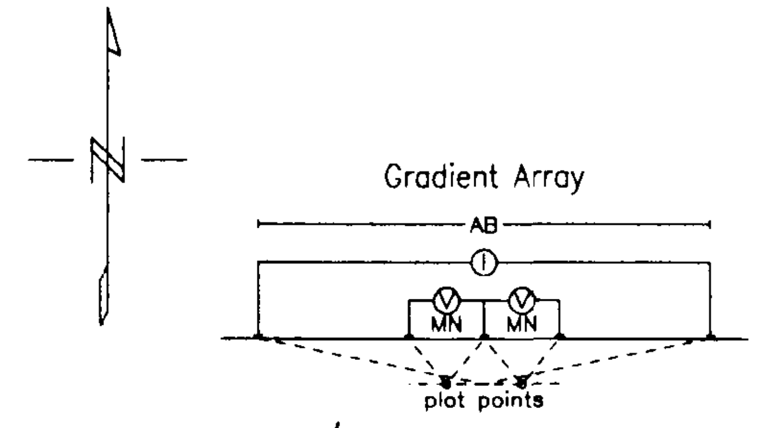
VAL PROPERTY
YUKON TERRITORY, CANADA
NTS 106 C/3

Craig Deposit

AUTHOR:	K. TORIGAI	SCALE:	1:2500
DATE DRAWN:	DECEMBER 8, 1998	DRAWN BY:	98266P @ ENERSOURCE

TOTAL CHARGEABILITY (mV/V)





093968 3/3

DWG 24

Scale 1:2500

25 0 25 50 75 100 125 150

(metres)

MANSON CREEK RESOURCES LTD.

VAL PROPERTY

Rackla Camp, Yukon

TIME DOMAIN IP SURVEY

Gradient Array

TOTAL CHARGEABILITY

AB= 900 metres

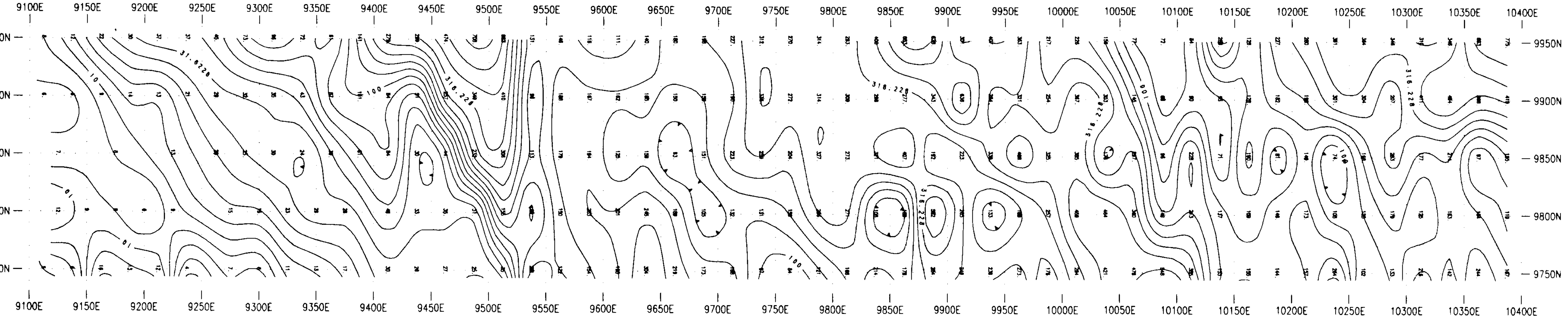
Transmitter Frequency	0.125 Hz (50% duty cycle)
Transmitter Current	1-3 Amps
Decay Curve:	QIP IP-6 Custom Semilogarithmic Windows 10 Gates (30ms to 1770ms)
Station Interval:	25 metres
Chargeability Contour Interval:	2, 10 mV/V
Colour Scale:	Equal Area Zoning
Survey Date:	August, 1998
Instrumentation:	Rx = IRIS IP-6 (6 channels) Tx = Phoenix IPT-1

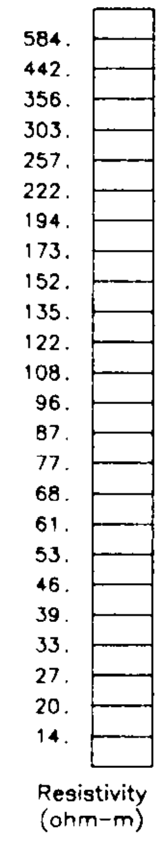
Surveyed & Processed by:

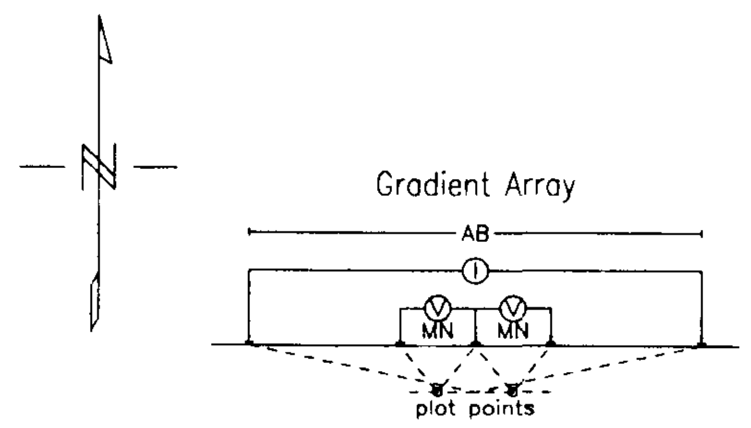
QUANTEC IP INC

DWG. #: P-235-PLAN-CHG-2

APPARENT RESISTIVITY (ohm-metres)







Scale 1:2500

25 0 25 50 75 100 125 150

(metres)

093968

Dug 25

MANSON CREEK RESOURCES LTD.

VAL PROPERTY

Rackla Camp, Yukon

TIME DOMAIN IP SURVEY

Gradient Array

APPARENT RESISTIVITY

AB= 900 metres

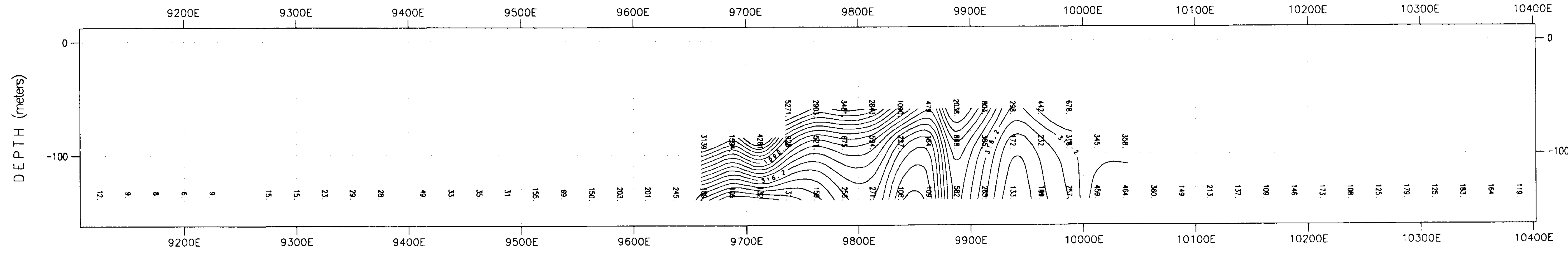
Transmitter Frequency	0.125 Hz (50% duty cycle)
Transmitter Current	1-3 Amps
Decay Curve:	QIP IP-6 Custom Semilogarithmic Windows 10 Gates (30ms to 1770ms)
Station Interval:	25 metres
Resistivity Contour Interval:	10 levels/log decade
Colour Scale:	Equal Area Zoning
Survey Date:	August, 1998
Instrumentation:	Rx = IRIS IP-6 (6 channels) Tx = Phoenix IPT-1

Surveyed & Processed by:

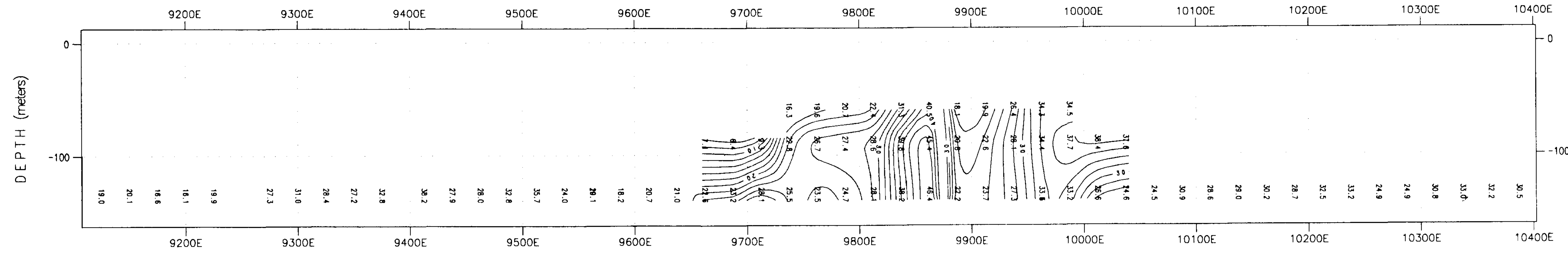
QUANTEC IP INC

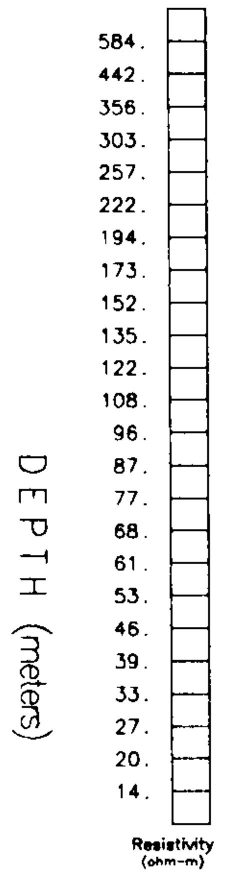
DWG. #: P-235-PLAN-RES-2

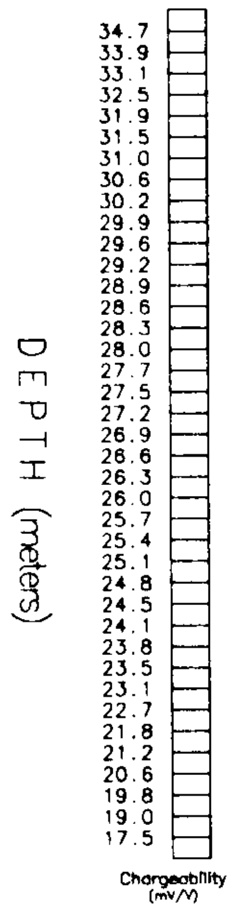
APPARENT RESISTIVITY (ohm-metres)



TOTAL CHARGEABILITY (mV/V)





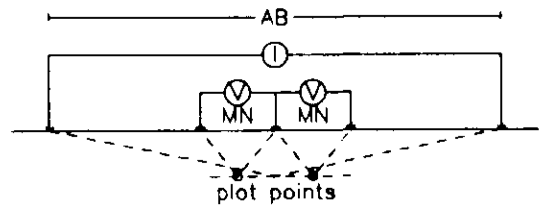


DWG 26

093968

LINE 98+00N

Gradient Array



Scale 1:2500

25 0 25 50 75 100 125 150

(metres)

MANSON CREEK RESOURCES LTD.

VAL PROPERTY

Rackla Camp, Yukon

TIME DOMAIN IP SURVEY

REALSECTION L98+00N

(Multiple Gradient Arrays)

Transmitter Frequency:	0.125 Hz (50% duty cycle)
Transmitter Current:	1-3 Amps
Decay Curve:	QIP IP-6 Custom Semilogarithmic Windows 10 Gates (30ms to 1770ms)
Station Interval:	25 metres (50m & 25m MN)
Resistivity Contour Interval:	10 levels/log decade
Chargeability Contour Interval:	2, 10 mV/V
Colour Scale:	Equal Area Zoning
Survey Date:	August\September, 1998
Instrumentation:	Rx = IRIS IP-6 (6 channels) Tx = Phoenix IPT-1

Surveyed & Processed by:

QUANTEC IP INC

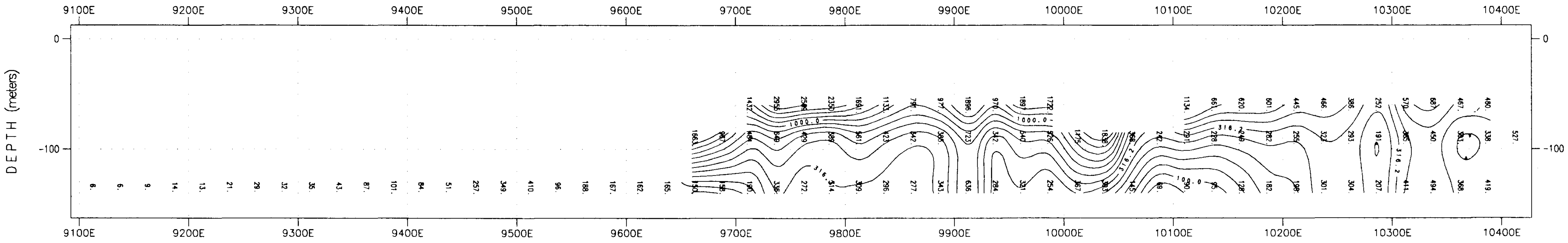
DWG. #: P-235-RSIP-98+00N

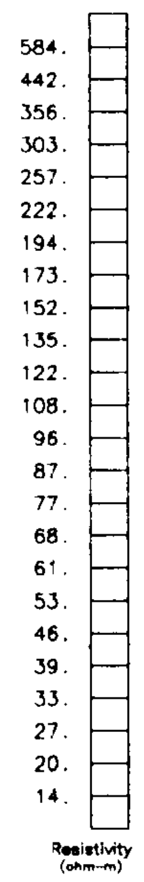
DWG (27)

093968

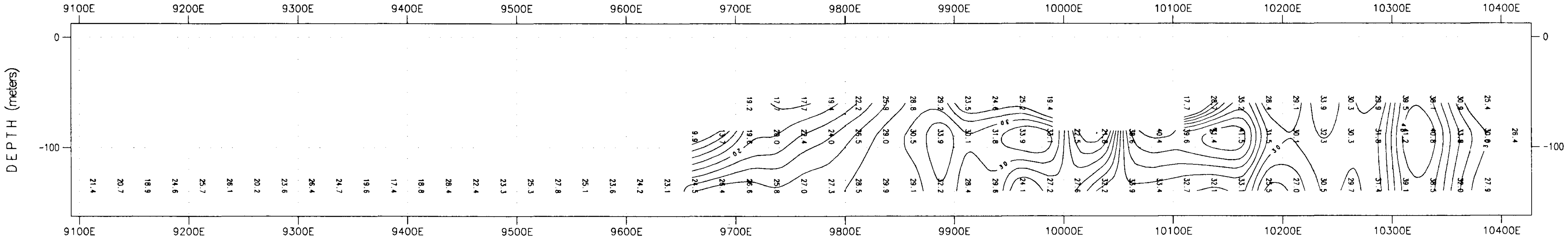
LINE 99+00N

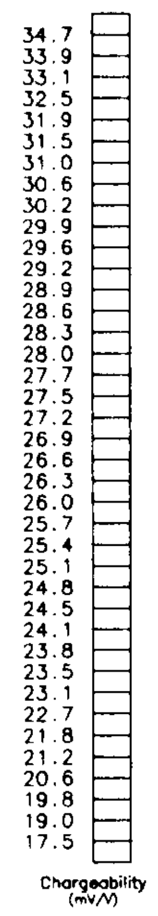
APPARENT RESISTIVITY (ohm-metres)



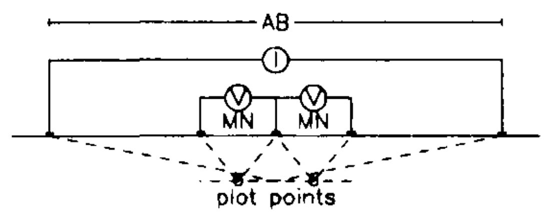


TOTAL CHARGEABILITY (mV/V)

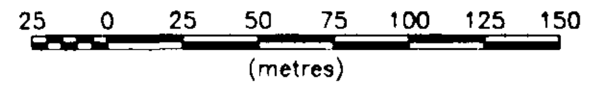




Gradient Array



Scale 1:2500



MANSON CREEK RESOURCES LTD.
VAL PROPERTY
Rackla Camp, Yukon

TIME DOMAIN IP SURVEY
REALSECTION L99+00N
(Multiple Gradient Arrays)

Transmitter Frequency:	0.125 Hz (50% duty cycle)
Transmitter Current:	1-3 Amps
Decay Curve:	QIP IP-6 Custom Semilogarithmic Windows 10 Gates (30ms to 1770ms)
Station Interval:	25 metres (50m & 25m MN)
Resistivity Contour Interval:	10 levels/log decade
Chargeability Contour Interval:	2, 10 mV/V
Colour Scale:	Equal Area Zoning
Survey Date:	August\September, 1998
Instrumentation:	Rx = IRIS IP-6 (6 channels) Tx = Phoenix IPT-1

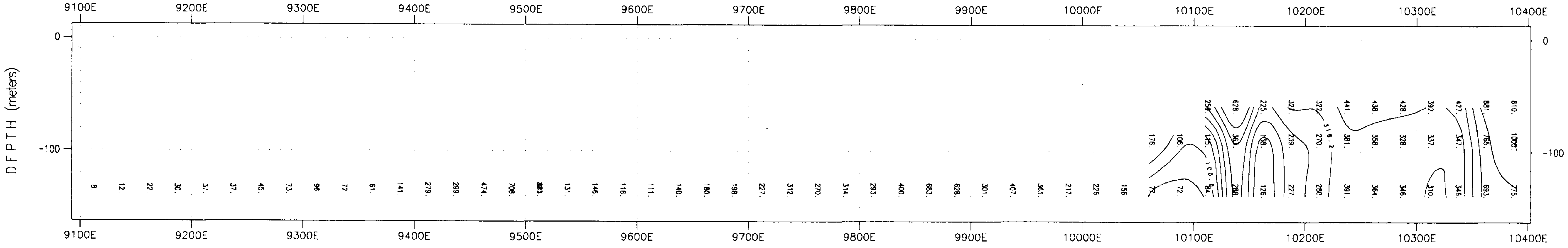
Surveyed & Processed by:
QUANTEC IP INC
DWG. #: P-235-RSIP-99+00N

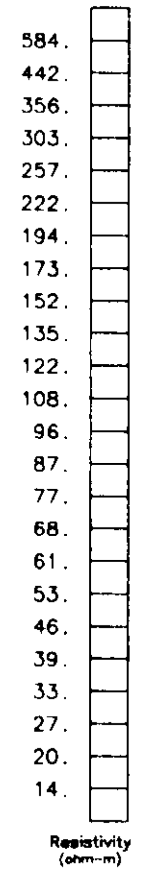
DWG (28)

093968 3/3

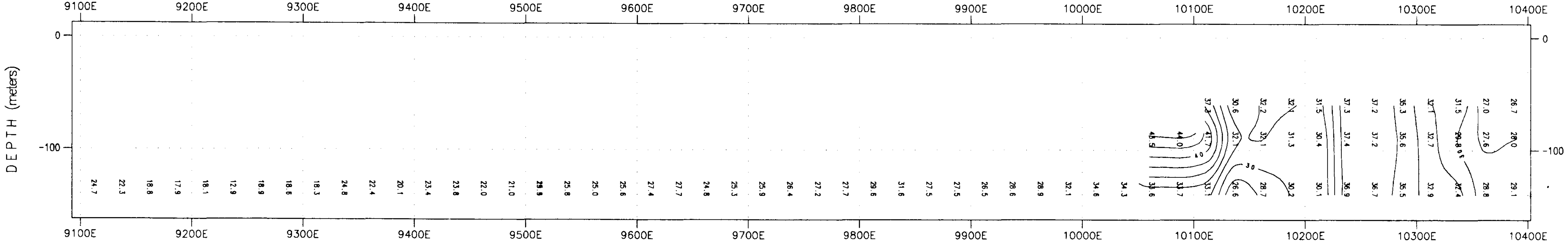
LINE 99+50N

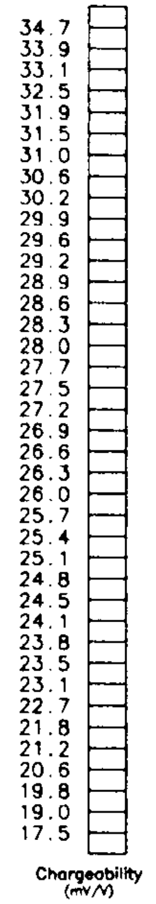
APPARENT RESISTIVITY (ohm-metres)



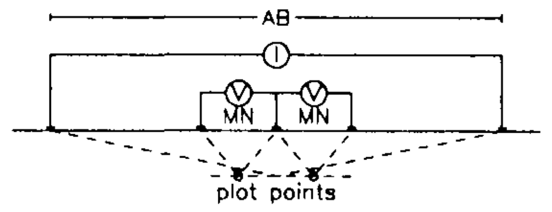


TOTAL CHARGEABILITY (mV/V)





Gradient Array



Scale 1:2500

25 0 25 50 75 100 125 150

(metres)

MANSON CREEK RESOURCES LTD.

VAL PROPERTY

Rackla Camp, Yukon

TIME DOMAIN IP SURVEY

REALSECTION L99+50N

(Multiple Gradient Arrays)

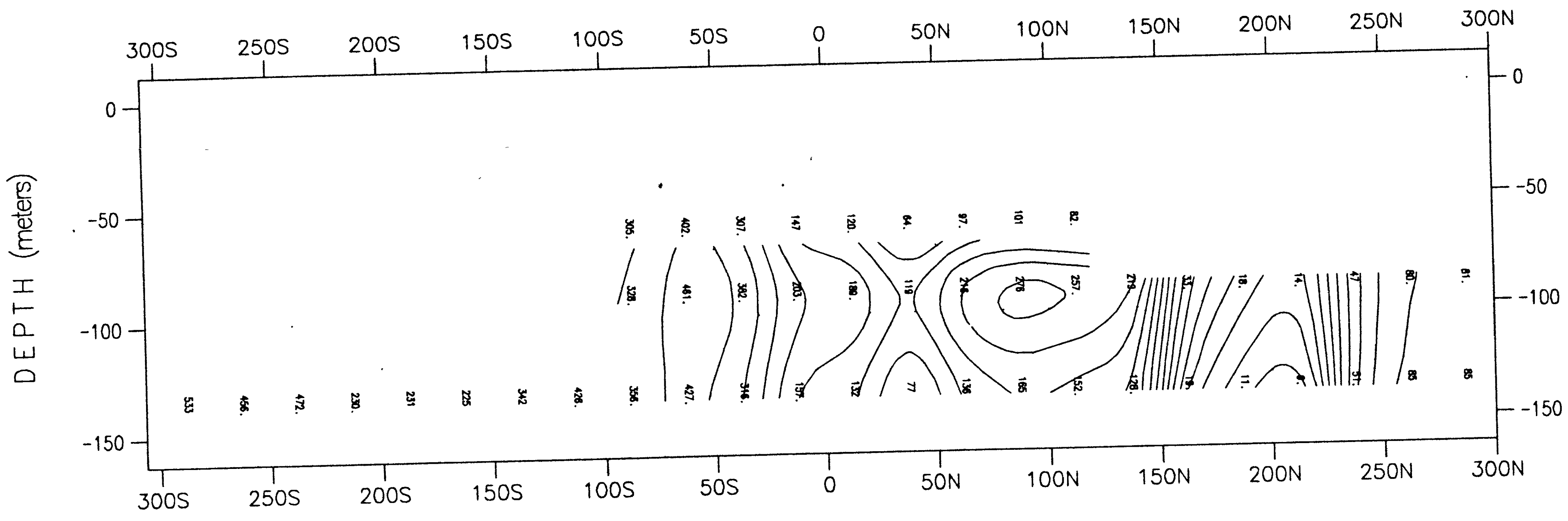
Transmitter Frequency:	0.125 Hz (50% duty cycle)
Transmitter Current:	1-3 Amps
Decay Curve:	QIP IP-6 Custom Semilogarithmic Windows 10 Gates (30ms to 1770ms)
Station Interval:	25 metres (50m & 25m MN)
Resistivity Contour Interval:	10 levels/log decade
Chargeability Contour Interval:	2, 10 mV/V
Colour Scale:	Equal Area Zoning
Survey Date:	August\September, 1998
Instrumentation:	Rx = IRIS IP-6 (6 channels) Tx = Phoenix IPT-1

Surveyed & Processed by:

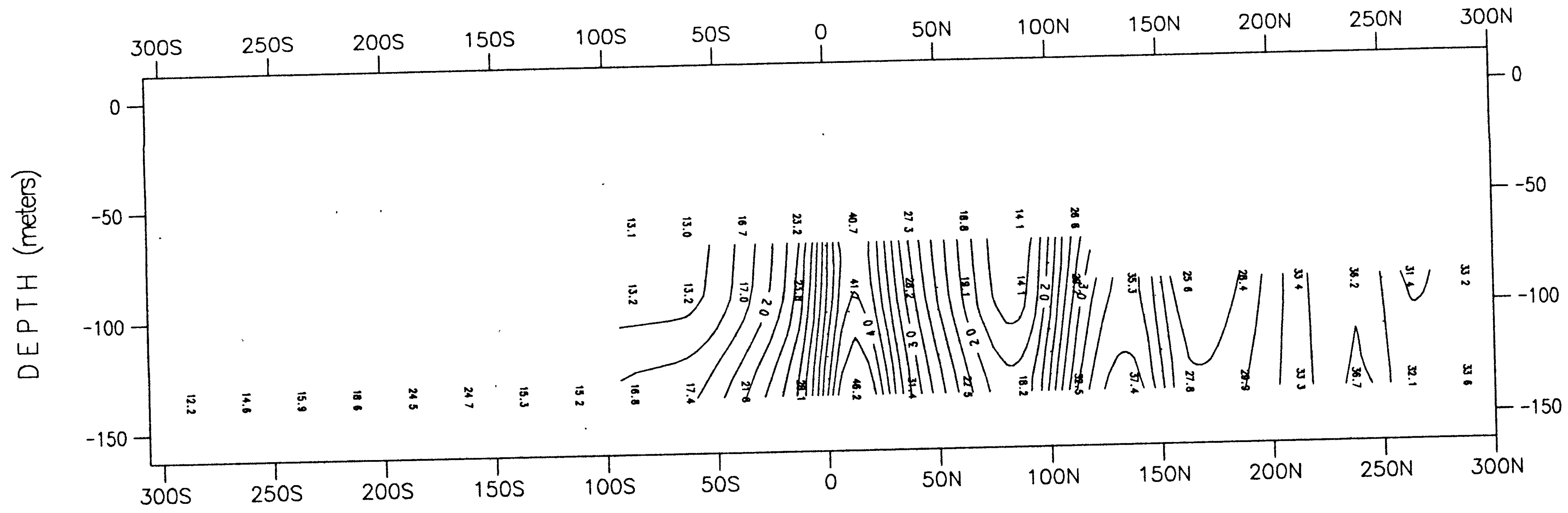
QUANTEC IP INC

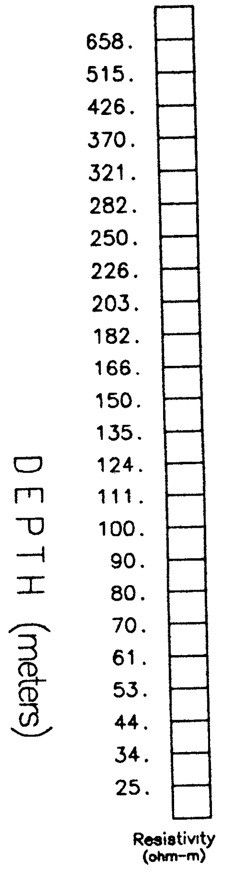
DWG. #: P-235-RSIP-99+50N

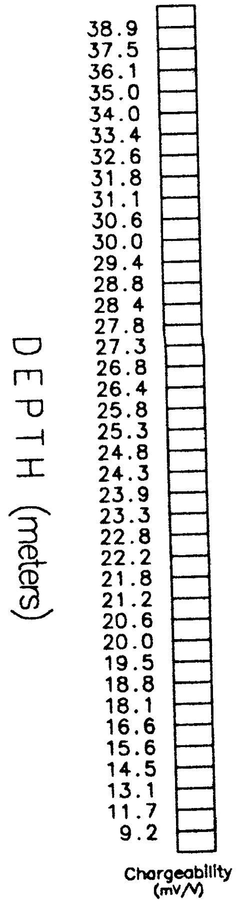
APPARENT RESISTIVITY (ohm-metres)



TOTAL CHARGEABILITY (mV/V)

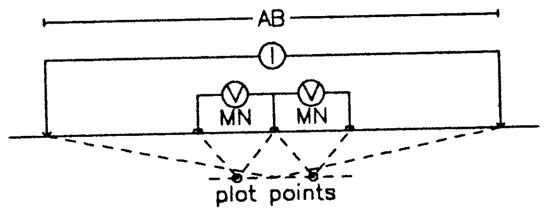






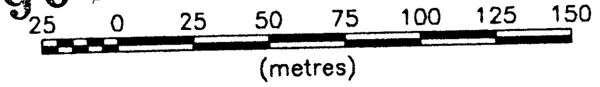
LINE 1+00W

Gradient Array



093968

Scale 1:2500



MANSON CREEK RESOURCES LTD.
CRAIG PROPERTY
Rackla Camp, Yukon

TIME DOMAIN IP SURVEY
REALSECTION L1+00W
(Multiple Gradient Arrays)

Transmitter Frequency:	0.125 Hz (50% duty cycle)
Transmitter Current:	1-3 Amps
Decay Curve:	QIP IP-6 Custom Semilogarithmic Windows 10 Gates (30ms to 1770ms)
Station Interval:	25 metres
Resistivity Contour Interval:	10 levels/log decade
Chargeability Contour Interval:	2, 10 mV/V
Colour Scale:	Equal Area Zoning
Survey Date:	August/September, 1998
Instrumentation:	Rx = IRIS IP-6 (6 channels) Tx = Phoenix IPT-1

Surveyed & Processed by:
QUANTEC IP INC
DWG. #: P-235-RSIP-1+00W