

WOLVERINE REGIONAL PROJECT

**1997 ASSESSMENT REPORT DESCRIBING GEOCHEMICAL, SURVEYS ON
THE WOLVERINE REGIONAL PROJECT CLAIMS (BUT1-64; FOOT 233-468,
473-516, 525-550, 561-586; NAIL 1-258), FINLAYSON LAKE AREA, YUKON
TERRITORY**

DATES WORKED: 01/06/97 – 30/09/97

VOLUME I

**NTS 105G/8, 9 AND 105H/4, 5
61°30'N/130°15'W
Watson Lake Mining Division**

093781

MAR 31 1998

Prepared for

**Westmin Resources Limited
Suite 904-1055 Dunsmuir Street
P.O. Box 49066, The Bentall Centre
Vancouver, B.C., Canada
V7X 1C4**

by

David A. Terry, Ph.D.

February, 1998

RPT/98-08

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 \$ 74,675.00.

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

TABLE OF CONTENTS

1.0	INTRODUCTION	6
2.0	LOCATION, ACCESS, AND PHYSIOGRAPHY	6
3.0	LIST OF CLAIMS AND OWNERSHIP	8
4.0	PREVIOUS WORK	8
5.0	REGIONAL GEOLOGY	10
6.0	PROPERTY GEOLOGY	14
7.0	SOIL GEOCHEMISTRY	16
7.1	Soils Analyzed by ICP-AES Geochemistry	16
7.2	Soils Analyzed by Enzyme Leach Technology	17
8.0	CONCLUSIONS AND RECOMMENDATIONS	18
	REFERENCES	20
	APPENDIX	

LIST OF TABLES

7.1	Statistics for Soils Analyzed by ICP-AES	17
-----	--	----

LIST OF FIGURES

1.0	Property Location Sketch	7
3.1	Claim Location Sketch	9
3.2	Claim Map 105 G/9	Appendix G
5.1	Tectonic Setting Map	11
5.2	Regional Geology Map	13
7.1.1	Sheet 3: Sample Location Map (1:20,000)	Appendix G
7.1.2	Sheet 3: Au in Soil (1:20,000)	Appendix G
7.1.3	Sheet 3: Ag in Soil (1:20,000)	Appendix G
7.1.4	Sheet 3: Cu in Soil (1:20,000)	Appendix G
7.1.5	Sheet 3: Pb in Soil (1:20,000)	Appendix G
7.1.6	Sheet 3: Zn in Soil (1:20,000)	Appendix G
7.1.7	Sheet 3: Ba in Soil (1:20,000)	Appendix G
7.2.1	Sheet 5: Sample Location Map (1:20,000)	Appendix G
7.2.2	Line 1: Enzyme Leach Element Profiles	Appendix G
7.2.3	Line 2: Enzyme Leach Element Profiles	Appendix G
7.2.4	Line 3: Enzyme Leach Element Profiles	Appendix G
7.2.5	Line 4: Enzyme Leach Element Profiles	Appendix G
7.2.6	Line 5: Enzyme Leach Element Profiles	Appendix G
7.2.7	Line 6: Enzyme Leach Element Profiles	Appendix G

APPENDICIES

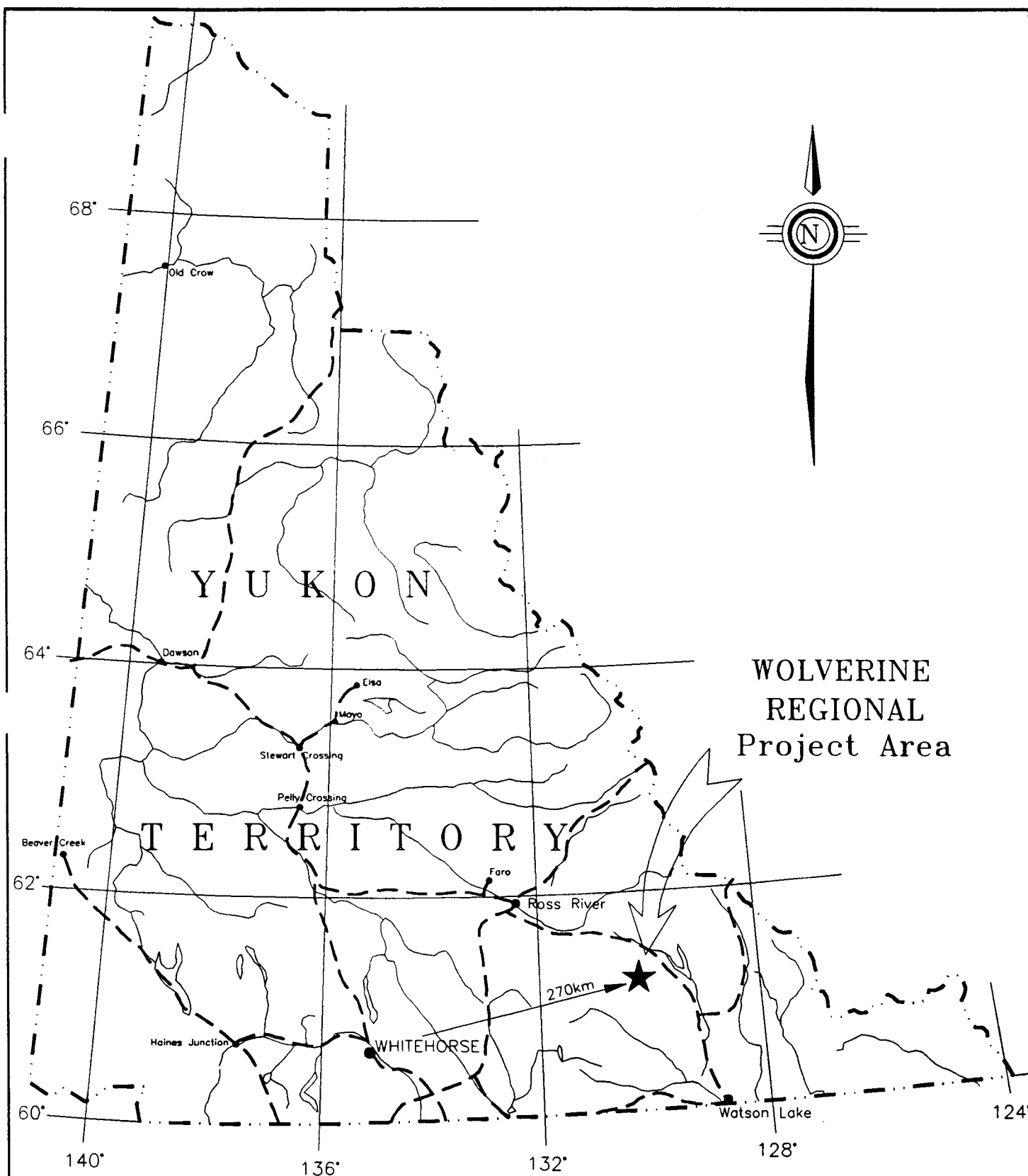
- A Statement of Expenditures
- B List of Claims
- C List of Personnel
- D Geologists Certificates
- E ICP-AES Assay Certificates
- F Enzyme Leach Assay Certificates
- G Oversize Figures

1.0 INTRODUCTION

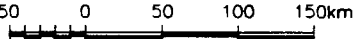
The Wolverine Regional Project area encompasses a number of claim blocks. The entire claim area was covered by an airborne geophysical survey during late 1995, carried out by Dighem of Mississauga, Ontario. In 1996 a field program consisting of geologic mapping and rock sampling, regional soil sampling along claim lines, grid soil sampling on flagged grids with cut baselines, contour soil sampling, and silt sampling was carried out over the claims. The 1997 program, comprising soil sampling for analysis by ICP-AES and enzyme leach techniques, was designed to fulfil assessment requirements and to provide more sample control in areas of deep overburden. In the case of the samples collected for enzyme leach analysis on the NAIL and BUT claims, six lines were run perpendicular to the southeasterly trending projection of the Wolverine stratigraphy which hosts the polymetallic Wolverine VMS deposit to see if either apical or oxidation cell anomalies could be detected, suggesting the presence of another massive sulphide body buried below the thick overburden covering most of this area. Exploration work was supervised by the author and was carried out by Westmin Resources Limited field personnel.

2.0 LOCATION, ACCESS, AND PHYSIOGRAPHY

The center of the large claim block covered by this report is located approximately 135 km southeast of the village of Ross River and 85 km northwest of Watson Lake in the southeastern Yukon (Figure 1.0). The claims are centered about 61°30'N and 130°15'W and cover portions of the NTS map sheets 105G/8,9 and 105H/4,5. Access to most of the property is by helicopter which can be chartered in either Ross River or Watson Lake. The Robert Campbell Highway which runs between Ross River and Watson Lake abuts the northern portion of the ROPE claim block northwest of the area covered by this report.



**WOLVERINE
REGIONAL
Project Area**

		WESTMIN RESOURCES LIMITED ATNA Resources Limited	
Work By Westmin		WOLVERINE REGIONAL PROJECT	
Date Drafted Nov. 24, 1996		Property Location Sketch	
Drafted By A. Turner			
N.T.S. Number			Figure
File Name Figure1.dwg		Scale 1 : 2 500 000	1.0

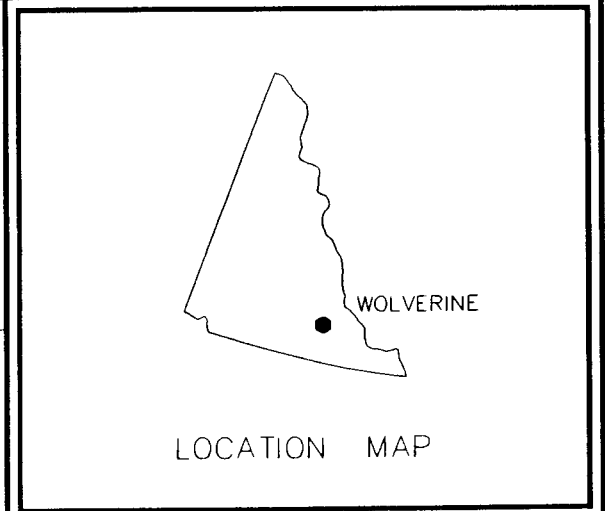
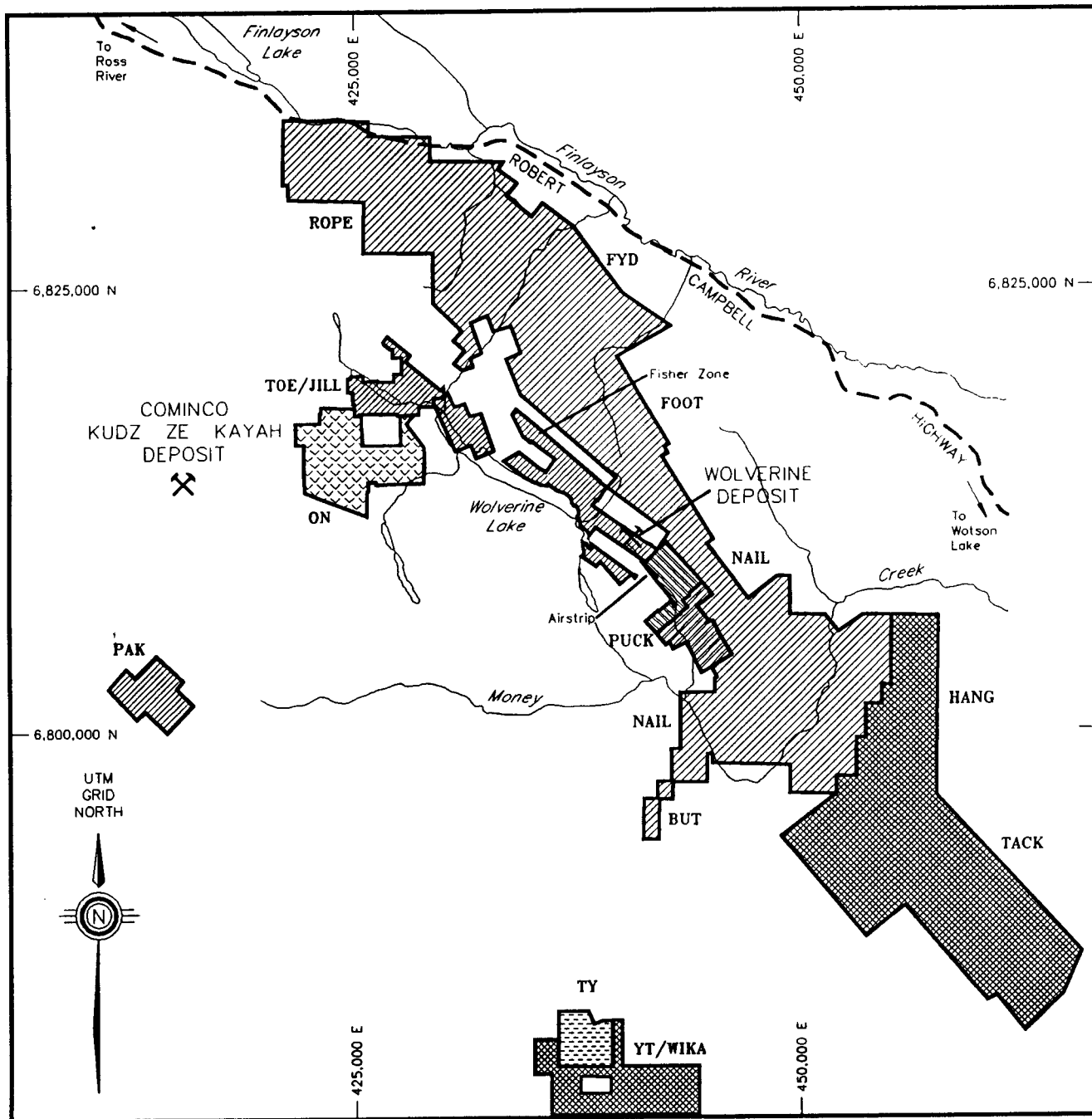
The Wolverine Regional Project area lies mainly within the Campbell Range of the Pelly Mountains, a sub-division of the Yukon Plateau physiographic region of the northern Cordillera. Elevation in the Campbell Range varies between 1000 meters and 2350 meters above sea level. In the project area elevations range from 1200 meters to 1900 meters above sea level. The Campbell Range is bounded by the Yukon Plateau to the northeast and the main body of the Pelly Mountains to the southwest. Glaciation in the area between 26.5 ka and 10 ka resulted in the formation of broad anastomosing valleys, isolated mountains and small mountain ranges. Tributaries to drainages occupying the valleys commonly originate in cirque valleys. Wide valleys are commonly infilled with glacialfluvial sediments. Vegetation throughout the claim area ranges from thick buckbrush and small cedar groves in the valleys to sparsely vegetated areas with abundant outcrop at higher elevations.

3.0 LIST OF CLAIMS AND OWNERSHIP

Claim names, record numbers, record dates, and expiry dates for the claims covered in this report are given in Appendix B and the location of the claim groups with respect to one another are shown on Figure 3.1. A claim map for all the the claims is located in Appendix G. The claims are held by Westmin Resources Limited of Vancouver, B.C. and are subject to a 60/40 joint venture between Westmin Resources Limited and Atna Resources Ltd., respectively, both of Vancouver, B.C..

4.0 PREVIOUS WORK

Very limited mineral exploratory work is known to have been carried out in the areas covered by this report. Aside from government mapping, geochemical and geophysical surveys no work on the claimed ground prior to mapping and sampling traverses carried out by Westmin Resources Limited personnel in 1995 and 1996 is known of. Historically work in the region focussed on the area which



LEGEND

-  WESTMIN
-  WESTMIN/ATNA (60/40 J.V.)
-  WESTMIN/PACIFIC BAY (60/40 J.V.)
-  WESTMIN-ATNA/COMINCO (50/50 J.V.)
-  WESTMIN-ATNA/EXPATRIATE (50/50 Opt.)
-  WESTMIN/EXPATRIATE (50/50 Opt.)

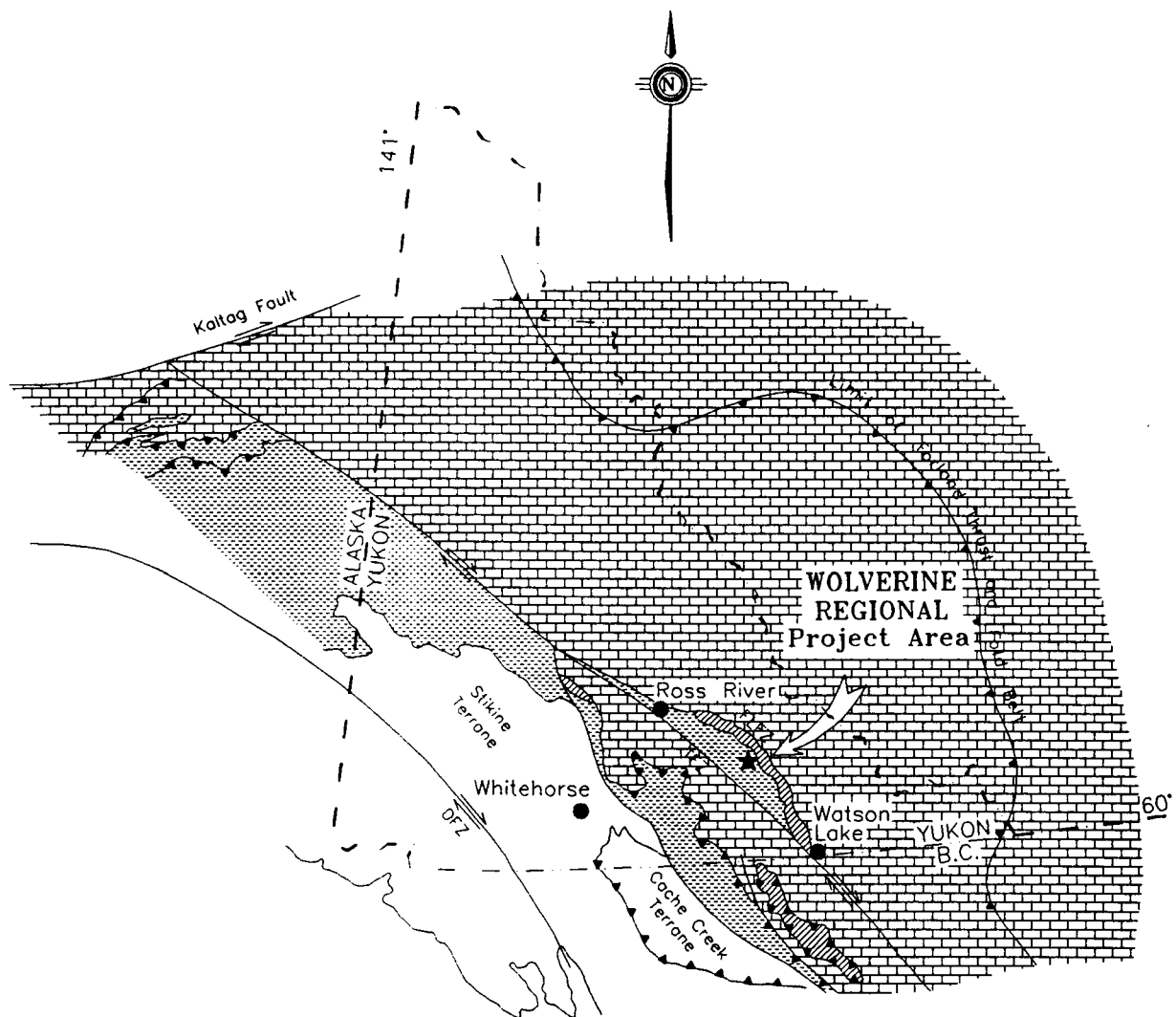
 Westmin Resources Limited	
Work By T.L. Tucker	ATNA Resources Ltd.
Date Drafted 04/10/95	
Drafted By R.A. Ivany	WOLVERINE PROJECT
Date Revised 19/02/97	
Revised By Andrew Turner	Claim Location Sketch
N.T.S. Number 105 G & H	
File Name Figure2.dwg	
	Figure 3.1

now surrounds the Wolverine discovery. A brief summary of that work is given in Baknes and Weber (1996).

5.0 REGIONAL GEOLOGY

The property is situated within the Finlayson Lake belt of the southeastern Yukon, an elongate composite body bounded on the southwest by the Tintina Fault Zone and on the northeast by the Finlayson Lake Fault Zone (Figure 5.1). The Tintina Fault Zone is a major transcurrent structure along which approximately 450 km of dextral offset occurred in Late Cretaceous and/or early Tertiary time (Tempelman-Kluit et al., 1976). The Finlayson Lake Fault Zone is described by Mortensen (1996, personal communication) as a complex structure which may in part represent a transpressive dextral paleosuture.

Much of the Finlayson Lake belt is underlain by rocks grouped with the Yukon Tanana Terrane (YTT) by Mortensen and Jilson (1985). The YTT underlies a large area of western to southeastern Yukon and east-central Alaska. The YTT rocks in the Finlayson Lake Belt are believed to be offset along the Tintina Fault from the main body of the YTT in the western Yukon. Mortensen (1992) has divided the YTT in the Yukon into 3 main structural assemblages: 1) the Nisling assemblage, a lower quartzite and marble package of possible Proterozoic and/or Cambrian age; 2) the middle Nasina assemblage, a package of Late Devonian to mid Mississippian carbonaceous metasedimentary and mafic to felsic metavolcanic rocks; and 3) an upper package of mid-Permian felsic metavolcanics (Klondike Schist) and metaplutonic rocks. Recent interpretations conclude that the YTT represents a mid-Paleozoic volcanic-plutonic arc assemblage built on continental crust (Nokleberg and Aleinikoff, 1985; Mortensen and Jilson, 1985; Foster et al., 1987; and Mortensen, 1992). Although the andesitic volcanics one would expect to be voluminous in a continental margin arc setting are seemingly not present in the Finlayson Lake Belt, Mortensen (1996, personal communication) suggests that large K-feldspar megacrystic



LEGEND



North American Miogeoclinal Strata



Yukon - Tanana Terrane



Slide Mountain Terrane



Thrust Fault



Strike-Slip Fault, with sense of movement

FLFZ - Finlayson Lake Fault Zone

TFZ - Tintina Fault Zone

DFZ - Denali Fault Zone



WESTMIN RESOURCES LIMITED
ATNA Resources Ltd.

Work By

WOLVERINE REGIONAL PROJECT

Date Drafted

Nov. 24, 1996

Drafted By

A.T. & J.K.

Tectonic Setting

after Mortensen and Jilson (1985)

N.T.S. Number

100 0 100 200 250km

Figure

File Name

Figure31.dwg

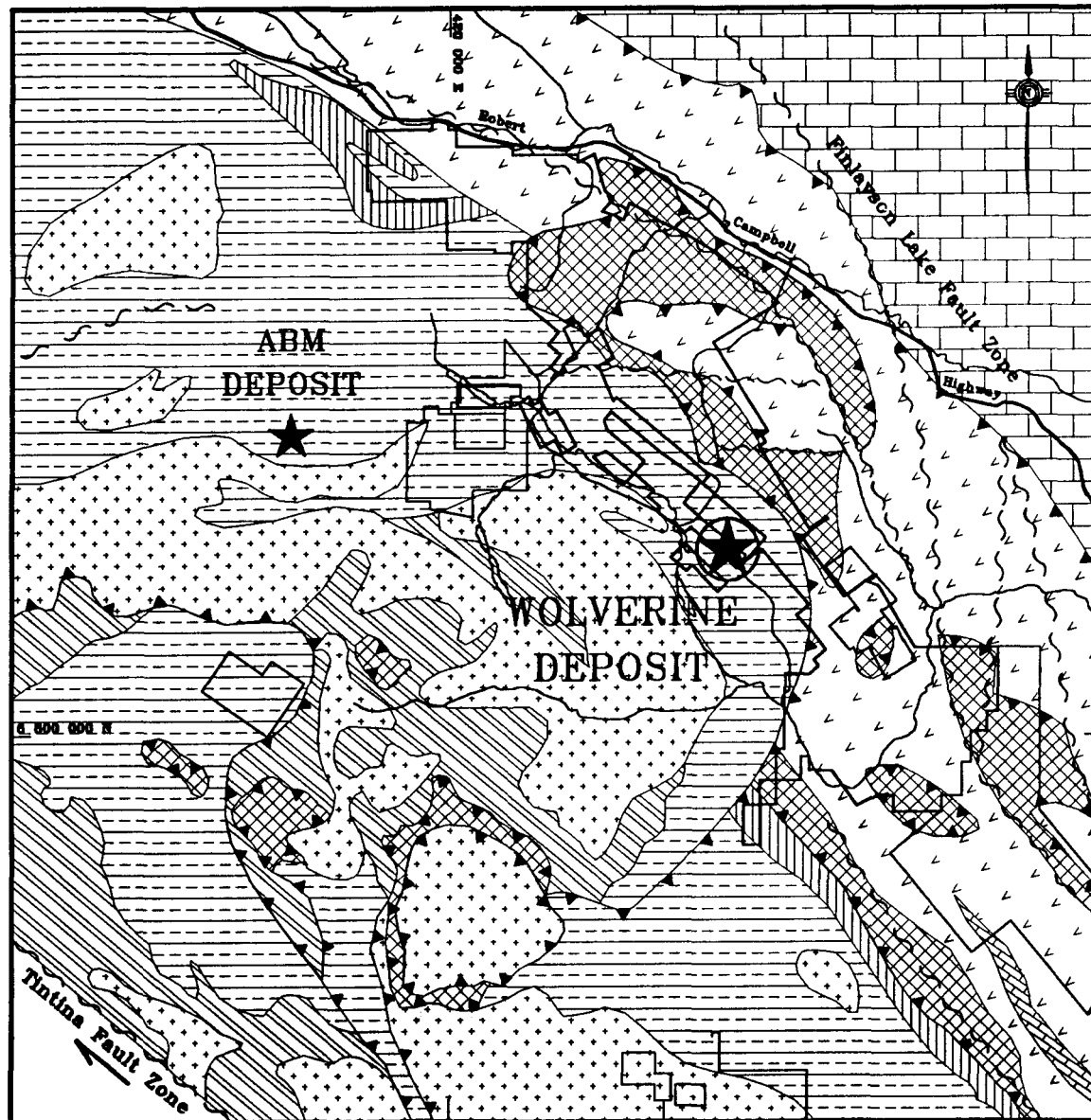
Scale 1 : 10 000 000

5.1

granitoids which form part of the core of the belt are intermediate in composition and therefore, together with the volcanics, represent a differentiated igneous suite.

Regional metamorphism throughout the YTT ranges from very low grade to amphibolite facies. Radiometric dating suggests that metamorphic events may have occurred at different times in different subterranean. Mortensen and Jilson (1985) have subdivided the YTT in the Finlayson Lake Belt into six major lithologic packages: 1) a sequence of layered metasediments and metamorphic rocks; 2) Paleozoic metaplutonic rocks; 3) middle to late Paleozoic mafic and ultramafic igneous rocks and chert; 4) early Mesozoic clastic rocks; 5) Mesozoic plutonic rocks; and 6) Late Cretaceous and/or early Tertiary volcanic rocks (Figure 5.2). The layered metamorphic package (LMP) is approximately 3 km thick and is divisible into: 1) a lower Devonian and older quartz+mica+/-garnet schist and quartzite package with an upper marble/calcareous schist unit; 2) a middle dark siliceous to carbonaceous phyllite unit interlayered with mafic and felsic volcanics. U-Pb zircon ages of the felsic metavolcanics range from Late Devonian to mid-Mississippian; and 3) an upper white carbonate/quartzite package of Early Pennsylvanian to Permian age (Mortensen and Jilson, 1985). Paleozoic metaplutonic rocks are divided by Mortensen and Jilson (1985) into: 1) the Simpson range plutonic suite of quartz-monzonite to quartz-diorite (349-359 Ma, U-Pb zircon); 2) augen orthogneiss (342 Ma, Rb-Sr); and 3) monzonitic orthogneiss (340-345 Ma, U-Pb zircon). The first two are considered to have an intrusive relationship with the lower LMP due to pyritization of wallrocks in the case of the Simpson suite and a hornfelsed aureole bordering the augen orthogneiss.

Large bodies of massive to pillowed greenstone, chert, and variably serpentinized ultramafic to mafic plutonic rocks are common in the northeastern portion of the Finlayson Lake belt and have been interpreted (Tempelman-Kluit,



GEOLOGICAL LEGEND

Slide Mountain Terrane

-  Carbonate Rocks
-  Metavolcanic Rocks and Cherts
-  Ultramafic Rocks

Nisutlin Subterrane and Pelly Gneissic Terrane

-  Intrusive Rocks : para- and orthogneisses
-  Upper Unit : carbonate and quartzite
-  Middle Unit : mafic and felsic volcanics and carbonaceous sediments
-  Lower Unit : quartzite and marble

Autocthonous North American Rocks

-  Cambrian Limestones and Shales
-  Displaced Cambrian Limestones and Shales lying in and west of the Tintina Fault Zone
-  Minor Faults
-  Thrust Faults
-  Westmin/ATNA: Joint Venture Property Outline



Work By
WESTMIN
Date Drafted
Nov. 24, 1996
Drafted By
A. Turner
Date Revised

Revised By

N.T.S. Number
File Name
Figure32.dwg

WESTMIN RESOURCES LIMITED
ATNA Resources Ltd.

WOLVERINE REGIONAL PROJECT

Regional Geology Map

Modified after Mortensen and Jilson (1985)



Figure
5.2

1979 and Mortensen and Jilson, 1985) as fragments of a dismembered ophiolite. Tempelman-Kluit (1979) mapped these rocks as part of the Anvil allochthon whereas they are referred to as the Campbell Range Belt by Mortensen and Jilson (1985). They are thought to correlate with the Slide Mountain terrane in British Columbia and based upon U-Pb zircon dates and fossil ages they range from latest Devonian to Early Permian in age. The southern portion of the Finlayson Lake Fault Zone adjacent to the Wolverine Lake area is overlapped by thrust sheets of the Campbell Range Belt in a flower-fault structural relationship (Mortensen, 1996 personal communication). The ophiolitic package is interpreted to have been thrust from northeast to southwest overtop of the middle package of the LMP in the Wolverine Lake area.

The middle division of the LMP comprises dark fine-grained strongly carbonaceous metasediments interlayered with massive to schistose felsic volcanic to tuffaceous rocks and chloritic to amphibolitic schists after mafic tuffaceous rocks. The most significant massive sulphide occurrences in the Finlayson Lake area (Wolverine, ABM/Kudz Ze Kayah, and Fire Lake) are hosted by this volcano-sedimentary package and are associated with carbonaceous metasediments and/or felsic metavolcanics.

6.0 PROPERTY GEOLOGY

During the 1996 field season a program of geological mapping and prospecting traverses was carried out over the project area covered in this report. A detailed detailed description of the geology underlying the Wolverine Regional project area is given in Terry et al. (1997).

In general the area covered by this report can be assigned to one of two major lithotectonic packages; the Devono-Mississippian Yukon-Tanana terrane or the Campbell Range suite. Yukon-Tanana terrane type rocks are interpreted to be largely belonging to the middle division of the LMP as defined by

Mortensen and Jilson (1985) and are comprised largely of dark-variably carbonaceous fine-grained clastic metasediments interlayered with units of largely felsic volcanic and tuffaceous rocks and lesser tuffaceous intermediate to mafic rocks. The Campbell Range suite has been interpreted as part of the late Paleozoic to Triassic aged Slide Mountain terrane (Mortensen and Jilson, 1985). Unfortunately the mafic-dominated rocks belonging to the Campbell Range Suite cap most of the higher mountains on the property and therefore are the best exposed. The fine-grained carbonaceous sediments and felsic volcanic rocks of Yukon-Tanana terrane affinity, on the other hand, generally occur either structurally below or in areas of low relief resulting in poor exposures, usually limited to outcrops in the bottom of creek beds and at the base of slopes.

Rocks classified as belonging to the Campbell Range suite include thick sequences of massive to pillowed basaltic flows and tuffaceous rocks interlayered with white to light green and locally jaspieroidal cherts, volcanoclastic grit, greywacke, and siltstone. Intrusions of megacrystic and partially serpentinized gabbro and serpentinized ultramafic rocks are also common in some areas. Mortensen and Jilson (1985) and Tempelman-Kluit (1979) have interpreted the Campbell Range suite as being allocthonously emplaced atop the Yukon-Tanana rocks during Mesozoic accretionary events. Although this has not been conclusively proven to be either true or false, and there is some evidence to suggest that at least some of the mafic rocks are part of the Yukon-Tanana assemblage

Thin and laterally extensive units of serpentinized ultramafic rocks occur either within or bounding the Campbell Range rocks and have been interpreted by Mortenson (1996, personal communication) as occupying steep structures. The ultramafic protolith has been in most cases pervasively serpentinized and less commonly silica replacement bodies have. In several locations relict textures suggest that at least some of the primary ultramafic material was pyroxenite. On the Foot claims north of the Wolverine exploration camp several

orientations of steeply plunging slickensides were observed in an outcrop of serpentinitized ultramafic. The relationship of the serpentinite bodies to the mafic-dominated Campbell Range rocks, and their distribution, precludes any association of them to the mineralizing events which took place in the Yukon-Tanana portion of the stratigraphy. The Campbell Range rocks occur on both sides of Money Creek on the HANG and NAIL claims, and form the northwesterly-trending ridges which overlie the Wolverine stratigraphy.

7.0 SOIL GEOCHEMISTRY

During soil sampling on the Wolverine Regional claims samples of B-horizon material were taken in all cases except where soil development was poor. In these instances, samples comprised of talus fines or other C-horizon type material were collected. Soil sample stations were marked in the field with flagging tape and a tyvex tag with the sample number written on it. Samples were partially dried in the field and then shipped either Chemex Labs in North Vancouver, B.C. or Actlabs in Ancaster, Ontario for analysis. At Chemex samples were subsequently dried, sieved to -80 mesh, pulverized and then analysed for 24 elements using ICP-AES and Au by fire assay-atomic absorption.

7.1 Soils Analyzed by ICP-AES

In total 113 samples were collected on various FOOT claims as part of the exploration work covered by this report. Samples were collected along compass and hip chain traverse lines located using differentially corrected GPS. A sample location map (Figure 7.1.1) and maps showing Au, Ag, Cu, Pb, Zn, and Ba concentrations (Figures 7.1.2 to 7.1.7 respectively) are located in Appendix G and assay certificates are located in Appendix E. Statistical data on the soil analyses is presented in Table 7.1. No significant Zn, Pb, or Ba anomalies, and only weakly anomalous Au, Ag, and Cu values, were detected.

Table 7.1 Statistics for Soils analyzed by ICP-AES

	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ba ppm
Minimum	2.5	0.1	12	1	30	440
Maximum	60	2	182	20	152	3480
Average	3.3	0.1	39.5	7.5	69.1	1085
Percentiles						
95 th	2.5	0.1	78.4	14.8	110.8	1978
90 th	2.5	0.1	73	12	97.6	1824
80 th	2.5	0.1	50.6	10	84	1500
75 th	2.5	0.1	47	10	80	1360
50 th	2.5	0.1	32	6	66	900
10 th	2.5	0.1	18.2	4	46	610

7.2 Soils Analyzed by Enzyme Leach Technology

A total of 317 samples were collected on the BUT and NAIL claims along compass and hip chain lines oriented at either 065° or 090° azimuth, perpendicular to the strike projection of the Wolverine stratigraphy. The location of the lines was accurately established in the field with differentially corrected GPS and is shown on Figure 7.2.1. Elemental profiles for all six lines are given in Figures 7.2.2 to 7.2.7 in Appendix G and the analytical certificates are located in Appendix F. Reviews of the use and interpretation of enzyme leach data in mineral exploration can be obtained from ACTLABS in Ancaster, Ontario.

On Line 1 weak Zn anomalies occur at 1000E and 1300E with I and Br anomalies at 1200E. As well there is a pronounced peak in all of the REE at 1200E. This is right off the southern tip of the PUCK property and could therefore be along strike of Wolverine-type stratigraphy. The Zn and oxidation suite elements could represent combination type anomalies.

On Line 2 a pronounced Mn, Cu, Ni, Cu, Zn, Zr, Y, Ba, Pb, and Th anomaly occurs at 1200E and may be an expression of metalliferous shales – i.e. the footwall argillites of the Wolverine section. Also, the westerly portion of the line contains elevated REE concentrations which taper off to the northeast. A pronounced Br, Ti, V anomaly is observed at 2300E.

On Line 3 a Sr, Y, REE anomaly occurs near 500E and a Br anomaly occurs at 800E. Pb, Th, and U are also noisy for the first 1500 m. This again suggests that the western portion of the line is underlain by locally metalliferous shales such as the footwall argillite package.

Along Line 4 there is a weak Zn-Cu peak at 250E coinciding with a Br trough. REE peaks occur at 350E and 400E and a Ti-Pb anomaly is present at 150E. Line 5 has a Cu, Ni, Co, V anomaly at 800E, suggesting an apical anomaly overtop a thin ultramafic body, and a Pb, Zr, Y anomaly at 550E. Line 6 has a Ti-B anomaly at 100E, a Zn-Ga anomaly at 350E, and a REE peak at 450E.

The enzyme leach survey failed to delineate any outstanding anomalies of either the apical or oxidation cell variety. This may in part be due to the shortness of some of the lines, the depth/type of overburden, and/or the climate. Several low-priority base metal anomalies were detected and a suite of elements suggesting the presence of underlying shales were found along some of the lines. This information provides a guide to where one is in the Wolverine stratigraphy. This may be somewhat useful in target delineation when combined with airborne geophysical data.

8.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the scattered groups of soil samples collected during the exploration work outlined in this report no further work is warranted on the specific FOOT claims worked on during this years survey. The soil geochemistry does not suggest the presence of Yukon Tanana Wolverine type stratigraphy but rather is consistent with soils overlying mafic-dominated Campbell Range stratigraphy.

The enzyme leach lines in the BUT and NAIL claim group areas generated some anomalies, however, due to the significant overburden cover in the area further work would require either ground geophysics or drilling, the latter is clearly not warranted by the results to date. If working in the area, a series of reconnaissance gravity lines over the anomalous features of the enzyme leach lines may further the anomalies to the point where more expensive surveys could be considered.

REFERENCES

- Aleinikoff, J.N. and Nokleberg, W.J. 1985. Age of Devonian igneous arc terranes in the northern Mount Hayes quadrangle, eastern Alaska Range, Alaska. U.S. Geological Survey Circular 967, pp. 44-49.
- Foster, H.L., Keith, T.E.C., and Menzie, W.D. 1987. Geology of East-Central Alaska. U.S. Geological Survey Open-File Report 87-188m, 59 pp.
- Garrie, D.G. 1996. Dighem survey for Westmin Resources Limited, Wolverine Lake Project,
- Mortensen, J.K. 1992. Pre-Mesozoic tectonic evolution of the Yukon-Tanana terrane, Yukon and Alaska. *Tectonics*, 11(4): 836-853.
- Mortensen, J.K. and Jilson, G.A. 1985. Evolution of the Yukon-Tanana terrane: Evidence from the southeastern Yukon Territory. *Geology*, 13: 806-810.
- Nokleberg W.J. and Aleinikoff, J.N. 1985. Summary of stratigraphy, structure, and metamorphism of Devonian igneous-arc terranes, northeastern Mount Hayes quadrangle, eastern Alaska Range. U. S. Geological Survey Circular 967, pp. 66-71.
- Tempelman-Kluit, D.J. 1979. Transported cataclasite, ophiolite, and granodiorite in Yukon: evidence of arc-continent collision. Geological Survey of Canada Paper 79-14, 27 p.
- Tempelman-Kluit, D.J. 1977. Quiet Lake (105F) and Finlayson Lake (105G) map areas. Geological Survey of Canada Open-File 486, scale= 1:250,000.
- Tempelman-Kluit, D.J., Gordey, S.P., and Read, B.C. 1976. Stratigraphic and structural studies in the Pelly Mountains, Yukon Territory. Geological Survey of Canada Paper 76-1A, p. 97-106.
- Terry, D.A., Turner, A., Bradshaw, G., Tucker, T. 1997. 1996 Assesement Report Describing Geological, Geochemical, and Geophysical surveys on the Wolverine Regional Project claims (BUT 1-64; FOOT 233-468, 473-516, 525-550, 561-586; FYD 1-94; HANG 1-17, 41-61, 81-102, 121-147, 161-186, 201-210, 253-257, 291-299, 301, 329-341, 367-382, 417-453; NAIL 1-258; AND ROPE 1-553).

APPENDIX A
STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES

I, David A. Terry as agent for Westmin Resources Limited, #904-1055 Dunsmuir Street, Vancouver, B.C. do believe that a field program consisting of soil sampling was carried out on the BUT1-64; FOOT 233-468, 473-516, 525-550, 561-586; and NAIL 1-258 between June 1 and September 30, 1997.

The following expenses were incurred during the course of this work.

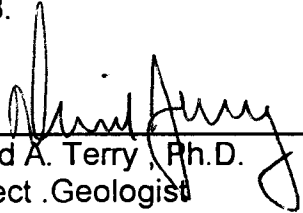
Salaries	\$2,306.47
Helicopter	\$2,991.35
Camp Costs	\$2,151.14
Geochemistry	\$9,595.00
Miscellaneous report preparation costs	\$1,000.00
Total:	\$17,043.96

Notes:

1. Wages are based on actual man days spent on the property.
2. Helicopter charges are based on actual hours flown.
3. Assay charges are based on actual numbers of samples from the property.

And I make this solemn declaration conscientiously believing it to be true and knowing it is the same force and effect as if made under oath and by virtue of the Canadian Evidence Act.

Dated at Vancouver in the Province of British Columbia this 17 day of March, 1998.



David A. Terry, Ph.D.
Project Geologist

APPENDIX B
LIST OF CLAIMS

pref	disp n #	disposition name	Due date
YB	58651	FOOT 95	March 31, 2001
YB	58652	FOOT 96	March 31, 2001
YB	58653	FOOT 97	March 31, 2001
YB	58654	FOOT 98	March 31, 2001
YB	58655	FOOT 99	March 31, 2001
YB	58656	FOOT 100	March 31, 2001
YB	58657	FOOT 101	March 31, 2001
YB	58658	FOOT 102	March 31, 2001
YB	58659	FOOT 103	March 31, 2001
YB	58660	FOOT 104	March 31, 2001
YB	58661	FOOT 105	March 31, 2001
YB	58662	FOOT 106	March 31, 2001
YB	58663	FOOT 107	March 31, 2001
YB	58664	FOOT 108	March 31, 2001
YB	58665	FOOT 109	March 31, 2001
YB	58666	FOOT 110	March 31, 2001
YB	58667	FOOT 111	March 31, 2001
YB	58668	FOOT 112	March 31, 2001
YB	58669	FOOT 113	March 31, 2001
YB	58670	FOOT 114	March 31, 2001
YB	58671	FOOT 115	March 31, 2001
YB	58672	FOOT 116	March 31, 2001
YB	58673	FOOT 117	March 31, 2001
YB	58674	FOOT 118	March 31, 2001
YB	58675	FOOT 119	March 31, 2001
YB	58676	FOOT 120	March 31, 2001
YB	58677	FOOT 121	March 31, 2001
YB	58678	FOOT 122	March 31, 2001
YB	58679	FOOT 123	March 31, 2001
YB	58680	FOOT 124	March 31, 2001
YB	58681	FOOT 125	March 31, 2001
YB	58682	FOOT 126	March 31, 2001
YB	58683	FOOT 127	March 31, 2001
YB	58684	FOOT 128	March 31, 2001
YB	58685	FOOT 129	March 31, 2001
YB	58686	FOOT 130	March 31, 2001
YB	58687	FOOT 131	March 31, 2001
YB	58688	FOOT 132	March 31, 2001
YB	58689	FOOT 133	March 31, 2001
YB	58690	FOOT 134	March 31, 2001
YB	58691	FOOT 135	March 31, 2001
YB	58692	FOOT 136	March 31, 1999
YB	58693	FOOT 137	March 31, 1999
YB	58694	FOOT 138	March 31, 1999
YB	58695	FOOT 139	March 31, 1999
YB	58696	FOOT 140	March 31, 1999
YB	58697	FOOT 141	March 31, 1999
YB	58698	FOOT 142	March 31, 1999
YB	58699	FOOT 143	March 31, 1999
YB	58700	FOOT 144	March 31, 1999
YB	58701	FOOT 145	March 31, 1999
YB	58702	FOOT 146	March 31, 1999
YB	58703	FOOT 147	March 31, 2000
YB	58704	FOOT 148	March 31, 2000
YB	58705	FOOT 149	March 31, 2000
YB	58706	FOOT 150	March 31, 2000
YB	58707	FOOT 151	March 31, 2000

prel	disp'n #	disposition name	Due date
YB	58708	FOOT 152	March 31, 2000
YB	58709	FOOT 153	March 31, 1999
YB	58710	FOOT 154	March 31, 1999
YB	58711	FOOT 155	March 31, 1999
YB	58712	FOOT 156	March 31, 1999
YB	58713	FOOT 157	March 31, 1999
YB	58714	FOOT 158	March 31, 1999
YB	58715	FOOT 159	March 31, 1999
YB	58716	FOOT 160	March 31, 1999
YB	58717	FOOT 161	March 31, 1999
YB	58718	FOOT 162	March 31, 1999
YB	58719	FOOT 163	March 31, 1999
YB	58720	FOOT 164	March 31, 1999
YB	58721	FOOT 165	March 31, 1999
YB	58722	FOOT 166	March 31, 1999
YB	58723	FOOT 167	March 31, 1999
YB	58724	FOOT 168	March 31, 1999
YB	58725	FOOT 169	March 31, 1999
YB	58726	FOOT 170	March 31, 1999
YB	58727	FOOT 171	March 31, 2001
YB	58728	FOOT 172	March 31, 2001
YB	58729	FOOT 173	March 31, 2001
YB	58730	FOOT 174	March 31, 2001
YB	59991	FOOT 189	March 31, 2001
YB	59992	FOOT 190	March 31, 2002
YB	59993	FOOT 191	March 31, 2001
YB	59994	FOOT 192	March 31, 2001
YB	59995	FOOT 193	March 31, 2001
YB	59996	FOOT 194	March 31, 2001
YB	59997	FOOT 195	March 31, 2001
YB	59998	FOOT 196	March 31, 2001
YB	59999	FOOT 197	March 31, 2001
YB	60000	FOOT 198	March 31, 2001
YB	60001	FOOT 199	March 31, 2001
YB	60002	FOOT 200	March 31, 2001
YB	60003	FOOT 201	March 31, 2001
YB	60004	FOOT 202	March 31, 2001
YB	60005	FOOT 203	March 31, 2001
YB	60006	FOOT 204	March 31, 2001
YB	60007	FOOT 205	March 31, 2001
YB	60008	FOOT 206	March 31, 2001
YB	60009	FOOT 207	March 31, 2001
YB	60010	FOOT 208	March 31, 2001
YB	60011	FOOT 209	March 31, 2001
YB	60012	FOOT 210	March 31, 2001
YB	60013	FOOT 211	March 31, 2001
YB	60014	FOOT 212	March 31, 2001
YB	60015	FOOT 213	March 31, 2002
YB	60016	FOOT 214	March 31, 2001
YB	60952	FOOT 223	March 31, 2004
YB	60953	FOOT 224	March 31, 2004
YB	60954	FOOT 225	March 31, 2004
YB	60955	FOOT 226	March 31, 2004
YB	61006	FOOT 233	March 7, 1999
YB	61007	FOOT 234	March 7, 1999
YB	61008	FOOT 235	March 7, 1999
YB	61009	FOOT 236	March 7, 1999

pref	disp.n #	disposition name	Due date
YB	61010	FOOT 237	March 7, 2000
YB	61011	FOOT 238	March 7, 2000
YB	61012	FOOT 239	March 7, 2000
YB	61013	FOOT 240	March 7, 2000
YB	61014	FOOT 241	March 7, 2000
YB	61015	FOOT 242	March 7, 2000
YB	61016	FOOT 243	March 7, 2000
YB	61017	FOOT 244	March 7, 2000
YB	61018	FOOT 245	March 7, 2000
YB	61019	FOOT 246	March 7, 2000
YB	61020	FOOT 247	March 7, 2000
YB	61021	FOOT 248	March 7, 2000
YB	61022	FOOT 249	March 7, 2000
YB	61023	FOOT 250	March 7, 2000
YB	61024	FOOT 251	March 7, 2000
YB	61025	FOOT 252	March 7, 2000
YB	61026	FOOT 253	March 7, 2000
YB	61027	FOOT 254	March 7, 2000
YB	61028	FOOT 255	March 7, 2000
YB	61029	FOOT 256	March 7, 2000
YB	61030	FOOT 257	March 7, 2000
YB	61031	FOOT 258	March 7, 2000
YB	61032	FOOT 259	March 7, 1999
YB	61033	FOOT 260	March 7, 2000
YB	61034	FOOT 261	March 7, 1999
YB	61035	FOOT 262	March 7, 2000
YB	61036	FOOT 263	March 7, 2000
YB	61037	FOOT 264	March 7, 2000
YB	61038	FOOT 265	March 7, 2000
YB	61039	FOOT 266	March 7, 2000
YB	61040	FOOT 267	March 7, 2000
YB	61041	FOOT 268	March 7, 2000
YB	61042	FOOT 269	March 7, 2000
YB	61043	FOOT 270	March 7, 2000
YB	61044	FOOT 271	March 7, 2000
YB	61045	FOOT 272	March 7, 2000
YB	61046	FOOT 273	March 7, 2000
YB	61047	FOOT 274	March 7, 1999
YB	61048	FOOT 275	March 7, 2000
YB	61049	FOOT 276	March 7, 2000
YB	61050	FOOT 277	March 7, 2000
YB	61051	FOOT 278	March 7, 2000
YB	61052	FOOT 279	March 7, 2000
YB	61053	FOOT 280	March 7, 2000
YB	61054	FOOT 281	March 7, 2000
YB	61055	FOOT 282	March 7, 2000
YB	61056	FOOT 283	March 7, 2000
YB	61057	FOOT 284	March 7, 2000
YB	61058	FOOT 285	March 7, 2000
YB	61059	FOOT 286	March 7, 2000
YB	61060	FOOT 287	March 7, 2000
YB	61061	FOOT 288	March 7, 2000
YB	61062	FOOT 289	March 7, 2000
YB	61063	FOOT 290	March 7, 2001
YB	61064	FOOT 291	March 7, 2000
YB	61065	FOOT 292	March 7, 2001
YB	61066	FOOT 293	March 7, 2000

pref	disp'n #	disposition name	Due date
YB	61067	FOOT 294	March 7, 2001
YB	61068	FOOT 295	March 7, 2000
YB	61069	FOOT 296	March 7, 2001
YB	61070	FOOT 297	March 7, 2001
YB	61071	FOOT 298	March 7, 2001
YB	61072	FOOT 299	March 7, 2001
YB	61073	FOOT 300	March 7, 2001
YB	61074	FOOT 301	March 7, 2001
YB	61075	FOOT 302	March 7, 2001
YB	61076	FOOT 303	March 7, 2001
YB	61077	FOOT 304	March 7, 2001
YB	61078	FOOT 305	March 7, 2001
YB	61079	FOOT 306	March 7, 2000
YB	61080	FOOT 307	March 7, 2001
YB	61081	FOOT 308	March 7, 2000
YB	61082	FOOT 309	March 7, 2001
YB	61083	FOOT 310	March 7, 2000
YB	61084	FOOT 311	March 7, 2001
YB	61085	FOOT 312	March 7, 2000
YB	61086	FOOT 313	March 7, 2001
YB	61087	FOOT 314	March 7, 2000
YB	61088	FOOT 315	March 7, 2001
YB	61089	FOOT 316	March 7, 2001
YB	61090	FOOT 317	March 7, 2001
YB	61091	FOOT 318	March 7, 2001
YB	61092	FOOT 319	March 7, 2000
YB	61093	FOOT 320	March 7, 2000
YB	61094	FOOT 321	March 7, 2000
YB	61095	FOOT 322	March 7, 2000
YB	61096	FOOT 323	March 7, 2000
YB	61097	FOOT 324	March 7, 2000
YB	61098	FOOT 325	March 7, 2000
YB	61099	FOOT 326	March 7, 2000
YB	61100	FOOT 327	September 7, 1999
YB	61101	FOOT 328	March 7, 2000
YB	61102	FOOT 329	September 7, 1999
YB	61103	FOOT 330	September 7, 1999
YB	61104	FOOT 331	September 7, 1999
YB	61105	FOOT 332	September 7, 1999
YB	61106	FOOT 333	March 7, 2000
YB	61107	FOOT 334	March 7, 2000
YB	61108	FOOT 335	March 7, 2000
YB	61109	FOOT 336	March 7, 2000
YB	61110	FOOT 337	March 7, 2000
YB	61111	FOOT 338	March 7, 2000
YB	61112	FOOT 339	March 7, 2000
YB	61113	FOOT 340	March 7, 2000
YB	61114	FOOT 341	March 7, 2000
YB	61115	FOOT 342	March 7, 2000
YB	61116	FOOT 343	March 7, 2001
YB	61117	FOOT 344	March 7, 2001
YB	61118	FOOT 345	March 7, 2001
YB	61119	FOOT 346	March 7, 2000
YB	61120	FOOT 347	March 7, 2000
YB	61121	FOOT 348	March 7, 2001
YB	61122	FOOT 349	March 7, 2001
YB	61123	FOOT 350	March 7, 2000

pref	disp'n #	disposition name	Due date
YB	61124	FOOT 351	March 7, 2001
YB	61125	FOOT 352	March 7, 2001
YB	61126	FOOT 353	March 7, 2001
YB	61127	FOOT 354	March 7, 2001
YB	61128	FOOT 355	March 7, 2001
YB	61129	FOOT 356	March 7, 2001
YB	61130	FOOT 357	March 7, 2000
YB	61131	FOOT 358	March 7, 2000
YB	61132	FOOT 359	March 7, 2000
YB	61133	FOOT 360	March 7, 2000
YB	61134	FOOT 361	March 7, 2000
YB	61135	FOOT 362	March 7, 2001
YB	61136	FOOT 363	March 7, 2001
YB	61137	FOOT 364	March 7, 2001
YB	61138	FOOT 365	March 7, 2001
YB	61139	FOOT 366	March 7, 2001
YB	61140	FOOT 367	March 7, 2001
YB	61141	FOOT 368	March 7, 2001
YB	61142	FOOT 369	March 7, 2000
YB	61143	FOOT 370	March 7, 2000
YB	61144	FOOT 371	March 7, 2000
YB	61145	FOOT 372	March 7, 2000
YB	61146	FOOT 373	March 7, 2000
YB	61147	FOOT 374	March 7, 2000
YB	61148	FOOT 375	March 7, 2000
YB	61149	FOOT 376	March 7, 2000
YB	61150	FOOT 377	March 7, 2000
YB	61151	FOOT 378	March 7, 2000
YB	61152	FOOT 379	September 7, 1999
YB	61153	FOOT 380	September 7, 1999
YB	61154	FOOT 381	September 7, 1999
YB	61155	FOOT 382	September 7, 1999
YB	61156	FOOT 383	March 7, 2000
YB	61157	FOOT 384	March 7, 2000
YB	61158	FOOT 385	March 7, 2000
YB	61159	FOOT 386	March 7, 2000
YB	61160	FOOT 387	March 7, 2000
YB	61161	FOOT 388	March 7, 2001
YB	61162	FOOT 389	March 7, 2001
YB	61163	FOOT 390	March 7, 2001
YB	61164	FOOT 391	March 7, 2001
YB	61165	FOOT 392	March 7, 2001
YB	61166	FOOT 393	March 7, 2001
YB	61167	FOOT 394	March 7, 2001
YB	61168	FOOT 395	March 7, 2001
YB	61169	FOOT 396	March 7, 2001
YB	61170	FOOT 397	March 7, 2001
YB	61171	FOOT 398	March 7, 2001
YB	61172	FOOT 399	March 7, 2001
YB	61173	FOOT 400	March 7, 2001
YB	61174	FOOT 401	March 7, 2001
YB	61175	FOOT 402	March 7, 2001
YB	61176	FOOT 403	March 7, 2001
YB	61177	FOOT 404	March 7, 2001
YB	61178	FOOT 405	March 7, 2001
YB	61179	FOOT 406	March 7, 2001
YB	61180	FOOT 407	March 7, 2001

pref	dispn #	disposition name	Due date
YB	61181	FOOT 408	March 7, 2001
YB	61182	FOOT 409	March 7, 2001
YB	61183	FOOT 410	March 7, 2000
YB	61184	FOOT 411	March 7, 2000
YB	61185	FOOT 412	March 7, 2001
YB	61186	FOOT 413	March 7, 2000
YB	61187	FOOT 414	March 7, 2000
YB	61188	FOOT 415	March 7, 2000
YB	61189	FOOT 416	March 7, 2000
YB	61190	FOOT 417	March 7, 2000
YB	61191	FOOT 418	March 7, 2000
YB	61192	FOOT 419	March 7, 2000
YB	61193	FOOT 420	March 7, 2000
YB	61194	FOOT 421	March 7, 2000
YB	61195	FOOT 422	March 7, 2000
YB	61196	FOOT 423	March 7, 2001
YB	61197	FOOT 424	March 7, 2001
YB	61198	FOOT 425	March 7, 2001
YB	61199	FOOT 426	March 7, 2001
YB	61200	FOOT 427	March 7, 2000
YB	61201	FOOT 428	March 7, 2001
YB	61202	FOOT 429	March 7, 2001
YB	61203	FOOT 430	March 7, 2001
YB	61204	FOOT 431	March 7, 2001
YB	61205	FOOT 432	March 7, 2001
YB	61206	FOOT 433	March 7, 2001
YB	61207	FOOT 434	March 7, 2001
YB	61208	FOOT 435	March 7, 2000
YB	61209	FOOT 436	March 7, 2000
YB	61210	FOOT 437	March 7, 2000
YB	61211	FOOT 438	March 7, 2000
YB	61212	FOOT 439	March 7, 2001
YB	61213	FOOT 440	March 7, 2000
YB	61214	FOOT 441	March 7, 2001
YB	61215	FOOT 442	March 7, 2001
YB	61216	FOOT 443	March 7, 2001
YB	61217	FOOT 444	March 7, 2001
YB	61218	FOOT 445	March 7, 2001
YB	61219	FOOT 446	March 7, 2001
YB	61220	FOOT 447	March 7, 2001
YB	61221	FOOT 448	March 7, 2001
YB	61222	FOOT 449	March 7, 2001
YB	61223	FOOT 450	March 7, 2001
YB	61224	FOOT 451	March 7, 2001
YB	61225	FOOT 452	March 7, 2001
YB	61226	FOOT 453	March 7, 2001
YB	61227	FOOT 454	March 7, 2001
YB	61228	FOOT 455	March 7, 2001
YB	61229	FOOT 456	March 7, 2001
YB	61230	FOOT 457	March 7, 2000
YB	61231	FOOT 458	March 7, 2001
YB	61232	FOOT 459	March 7, 2000
YB	61233	FOOT 460	March 7, 2000
YB	61234	FOOT 461	March 7, 2000
YB	61235	FOOT 462	March 7, 2000
YB	61236	FOOT 463	March 7, 2000
YB	61237	FOOT 464	March 7, 2000

pref	disp'n #	disposition name	Due date
YB	61238	FOOT 465	March 7, 2001
YB	61239	FOOT 466	March 7, 2001
YB	61240	FOOT 467	March 7, 2000
YB	61241	FOOT 468	March 7, 2000
YB	61246	FOOT 473	March 7, 2001
YB	61247	FOOT 474	March 7, 2001
YB	61248	FOOT 475	March 7, 2001
YB	61249	FOOT 476	March 7, 2001
YB	61250	FOOT 477	March 7, 2001
YB	61251	FOOT 478	March 7, 2001
YB	61252	FOOT 479	March 7, 2001
YB	61253	FOOT 480	March 7, 2001
YB	61254	FOOT 481	March 7, 2001
YB	61255	FOOT 482	March 7, 2001
YB	61256	FOOT 483	March 7, 2001
YB	61257	FOOT 484	March 7, 2001
YB	61258	FOOT 485	March 7, 2001
YB	61259	FOOT 486	March 7, 2001
YB	61260	FOOT 487	March 7, 2001
YB	61261	FOOT 488	March 7, 2001
YB	61262	FOOT 489	March 7, 2000
YB	61263	FOOT 490	March 7, 2000
YB	61264	FOOT 491	March 7, 2000
YB	61265	FOOT 492	March 7, 2000
YB	61266	FOOT 493	March 7, 2000
YB	61267	FOOT 494	March 7, 2000
YB	61268	FOOT 495	March 7, 2000
YB	61269	FOOT 496	March 7, 2000
YB	61270	FOOT 497	March 7, 2000
YB	61271	FOOT 498	March 7, 2000
YB	61272	FOOT 499	March 7, 2001
YB	61273	FOOT 500	March 7, 2001
YB	61274	FOOT 501	March 7, 2001
YB	61275	FOOT 502	March 7, 2001
YB	61276	FOOT 503	March 7, 2001
YB	61277	FOOT 504	March 7, 2001
YB	61278	FOOT 505	March 7, 2001
YB	61279	FOOT 506	March 7, 2001
YB	61280	FOOT 507	March 7, 2000
YB	61281	FOOT 508	March 7, 2000
YB	61282	FOOT 509	March 7, 2000
YB	61283	FOOT 510	March 7, 2000
YB	61284	FOOT 511	March 7, 2000
YB	61285	FOOT 512	March 7, 2000
YB	61286	FOOT 513	March 7, 2000
YB	61287	FOOT 514	March 7, 2000
YB	61288	FOOT 515	March 7, 2000
YB	61289	FOOT 516	March 7, 2000
YB	61290	FOOT 525	March 7, 2001
YB	61291	FOOT 526	March 7, 2000
YB	61292	FOOT 527	March 7, 2001
YB	61293	FOOT 528	March 7, 2000
YB	61294	FOOT 529	March 7, 2001
YB	61295	FOOT 530	March 7, 2000
YB	61296	FOOT 531	March 7, 2001
YB	61297	FOOT 532	March 7, 2000
YB	61298	FOOT 533	March 7, 2000

pref	disp'n #	disposition name	Due date
YB	61299	FOOT 534	September 7, 1999
YB	61300	FOOT 535	March 7, 2000
YB	61301	FOOT 536	September 7, 1999
YB	61302	FOOT 537	March 7, 2000
YB	61303	FOOT 538	September 7, 1999
YB	61304	FOOT 539	March 7, 2000
YB	61305	FOOT 540	March 7, 2000
YB	61306	FOOT 541	September 7, 1999
YB	61307	FOOT 542	September 7, 1999
YB	61308	FOOT 543	September 7, 1999
YB	61309	FOOT 544	September 7, 1999
YB	61310	FOOT 545	March 7, 1999
YB	61311	FOOT 546	March 7, 1999
YB	61312	FOOT 547	March 7, 1999
YB	61313	FOOT 548	March 7, 1999
YB	61314	FOOT 549	March 7, 1999
YB	61315	FOOT 550	March 7, 1999
YB	61742	FOOT 561	September 20, 1998
YB	61743	FOOT 562	September 20, 1998
YB	61744	FOOT 563	March 20, 1999
YB	61745	FOOT 564	March 20, 1999
YB	61746	FOOT 565	March 20, 1999
YB	61747	FOOT 566	March 20, 1999
YB	61748	FOOT 567	March 20, 1999
YB	61749	FOOT 568	March 20, 1999
YB	61750	FOOT 569	March 20, 1999
YB	61751	FOOT 570	March 20, 1999
YB	61752	FOOT 571	March 20, 1999
YB	61753	FOOT 572	March 20, 1999
YB	61754	FOOT 573	March 20, 2000
YB	61755	FOOT 574	March 20, 1999
YB	61756	FOOT 575	September 20, 1998
YB	61757	FOOT 576	March 20, 1999
YB	61758	FOOT 577	March 20, 1999
YB	61759	FOOT 578	March 20, 1999
YB	61760	FOOT 579	September 20, 1998
YB	61761	FOOT 580	September 20, 1998
YB	61762	FOOT 581	September 20, 1998
YB	61763	FOOT 582	March 20, 1999
YB	61764	FOOT 583	March 20, 1999
YB	61765	FOOT 584	March 20, 1999
YB	61766	FOOT 585	September 20, 1998
YB	61767	FOOT 586	September 20, 1998
YB	70730	FOOT 21	March 31, 1999
YB	70731	FOOT 22	March 31, 1999
YB	70735	FOOT 603 FR	March 17, 2001
YB	70737	FOOT 605	March 7, 1999
YB	70738	FOOT 606	March 7, 1999
YB	70739	FOOT 607	March 7, 1999
YB	87460	FOOT 215 FR	September 20, 1999
YB	87461	FOOT 216 FR	September 20, 1999

pref	disp'n #	disposition name	Due date	Status
YB	61768	NAIL 1	March 20, 2000	A
YB	61769	NAIL 2	March 20, 2000	A
YB	61770	NAIL 3	March 20, 2000	A
YB	61771	NAIL 4	March 20, 2000	A
YB	61772	NAIL 5	March 20, 2000	A
YB	61773	NAIL 6	March 20, 2000	A
YB	61774	NAIL 7	March 20, 2000	A
YB	61775	NAIL 8	March 20, 2000	A
YB	61776	NAIL 9	March 20, 2000	A
YB	61777	NAIL 10	March 20, 2000	A
YB	61778	NAIL 11	March 20, 2000	A
YB	61779	NAIL 12	March 20, 2000	A
YB	61780	NAIL 13	March 20, 2000	A
YB	61781	NAIL 14	March 20, 2000	A
YB	61782	NAIL 15	March 20, 2000	A
YB	61783	NAIL 16	March 20, 2000	A
YB	61784	NAIL 17	March 20, 2000	A
YB	61785	NAIL 18	March 20, 2000	A
YB	61786	NAIL 19	March 20, 2000	A
YB	61787	NAIL 20	March 20, 2000	A
YB	61788	NAIL 21	March 20, 1999	A
YB	61789	NAIL 22	March 20, 1999	A
YB	61790	NAIL 23	March 20, 1999	A
YB	61791	NAIL 24	March 20, 1999	A
YB	61792	NAIL 25	September 20, 1998	A
YB	61793	NAIL 26	September 20, 1998	A
YB	61794	NAIL 27	September 20, 1998	A
YB	61795	NAIL 28	September 20, 1998	A
YB	61796	NAIL 29	March 20, 1999	A
YB	61797	NAIL 30	March 20, 1999	A
YB	61798	NAIL 31	March 20, 2000	A
YB	61799	NAIL 32	March 20, 2000	A
YB	61800	NAIL 33	March 20, 2000	A
YB	61801	NAIL 34	March 20, 2000	A
YB	61802	NAIL 35	March 20, 2000	A
YB	61803	NAIL 36	March 20, 2000	A
YB	61804	NAIL 37	March 20, 2000	A
YB	61805	NAIL 38	March 20, 2000	A
YB	61806	NAIL 39	March 20, 2000	A
YB	61807	NAIL 40	March 20, 2000	A
YB	61808	NAIL 41	March 20, 2000	A
YB	61809	NAIL 42	March 20, 2000	A
YB	61810	NAIL 43	March 20, 2000	A
YB	61811	NAIL 44	March 20, 2000	A
YB	61812	NAIL 45	March 20, 2000	A
YB	61813	NAIL 46	March 20, 2000	A
YB	61814	NAIL 47	September 20, 1998	A
YB	61815	NAIL 48	March 20, 2000	A
YB	61816	NAIL 49	March 20, 2000	A
YB	61817	NAIL 50	March 20, 2000	A
YB	61818	NAIL 51	March 20, 2000	A
YB	61819	NAIL 52	March 20, 2000	A
YB	61820	NAIL 53	March 20, 2000	A
YB	61821	NAIL 54	March 20, 2000	A
YB	61822	NAIL 55	March 20, 2000	A
YB	61823	NAIL 56	September 20, 1998	A
YB	61824	NAIL 57	March 20, 2000	A

pref	disp'n #	disposition name	Due date	Status
YB	61825	NAIL 58	March 20, 2000	A
YB	61826	NAIL 59	March 20, 2000	A
YB	61827	NAIL 60	March 20, 1999	A
YB	61828	NAIL 61	March 20, 1999	A
YB	61829	NAIL 62	March 20, 1999	A
YB	61830	NAIL 63	March 20, 1999	A
YB	61831	NAIL 64	March 20, 1999	A
YB	61832	NAIL 67	March 20, 2000	A
YB	61833	NAIL 68	March 20, 2000	A
YB	61834	NAIL 69	March 20, 2000	A
YB	61835	NAIL 70	March 20, 2000	A
YB	61836	NAIL 71	March 20, 2000	A
YB	61837	NAIL 72	March 20, 2000	A
YB	61838	NAIL 73	September 20, 1998	A
YB	61839	NAIL 74	March 20, 2000	A
YB	61840	NAIL 75	September 20, 1998	A
YB	61841	NAIL 76	March 20, 2000	A
YB	61842	NAIL 77	September 20, 1998	A
YB	61843	NAIL 78	March 20, 2000	A
YB	61844	NAIL 79	March 20, 2000	A
YB	61845	NAIL 80	March 20, 2000	A
YB	61846	NAIL 81	March 20, 2000	A
YB	61847	NAIL 82	March 20, 2000	A
YB	61848	NAIL 83	March 20, 1999	A
YB	61849	NAIL 84	September 20, 1998	A
YB	61850	NAIL 85	March 20, 2000	A
YB	61851	NAIL 86	March 20, 2000	A
YB	61852	NAIL 87	March 20, 2000	A
YB	61853	NAIL 88	March 20, 2000	A
YB	61854	NAIL 89	March 20, 2000	A
YB	61855	NAIL 90	March 20, 2000	A
YB	61856	NAIL 91	March 20, 2000	A
YB	61857	NAIL 92	March 20, 2000	A
YB	61858	NAIL 93	March 20, 1999	A
YB	61859	NAIL 94	March 20, 1999	A
YB	61860	NAIL 95	March 20, 1999	A
YB	61861	NAIL 96	March 20, 1999	A
YB	61862	NAIL 97	March 20, 1999	A
YB	61863	NAIL 98	September 20, 1998	A
YB	61864	NAIL 99	March 20, 1999	A
YB	61865	NAIL 100	September 20, 1998	A
YB	61866	NAIL 101	March 20, 1999	A
YB	61867	NAIL 102	September 20, 1998	A
YB	61868	NAIL 103	March 20, 1999	A
YB	61869	NAIL 104	March 20, 1999	A
YB	61870	NAIL 105	March 20, 1999	A
YB	61871	NAIL 106	March 20, 2000	A
YB	61872	NAIL 107	March 20, 1999	A
YB	61873	NAIL 108	March 20, 2000	A
YB	61874	NAIL 109	March 20, 2000	A
YB	61875	NAIL 110	March 20, 2000	A
YB	61876	NAIL 111	March 20, 1999	A
YB	61877	NAIL 112	March 20, 1999	A
YB	61878	NAIL 113	March 20, 1999	A
YB	61879	NAIL 114	March 20, 1999	A
YB	61880	NAIL 115	March 20, 2000	A
YB	61881	NAIL 116	March 20, 2000	A

pref	disp'n #	disposition name	Due date	Status
YB	61882	NAIL 117	March 20, 2000	A
YB	61883	NAIL 118	March 20, 2000	A
YB	61884	NAIL 119	March 20, 2000	A
YB	61885	NAIL 120	March 20, 2000	A
YB	61886	NAIL 121	September 20, 1998	A
YB	61887	NAIL 122	September 20, 1998	A
YB	61888	NAIL 123	March 20, 1999	A
YB	61889	NAIL 124	March 20, 1999	A
YB	61890	NAIL 125	March 20, 2000	A
YB	61891	NAIL 126	March 20, 2000	A
YB	61892	NAIL 127	March 20, 2000	A
YB	61893	NAIL 128	March 20, 1999	A
YB	61894	NAIL 129	March 20, 1999	A
YB	61895	NAIL 130	March 20, 1999	A
YB	61896	NAIL 131	March 20, 1999	A
YB	61897	NAIL 132	March 20, 1999	A
YB	61898	NAIL 133	March 20, 1999	A
YB	61899	NAIL 134	March 20, 1999	A
YB	61900	NAIL 135	March 20, 1999	A
YB	61901	NAIL 136	March 20, 1999	A
YB	61902	NAIL 137	March 20, 1999	A
YB	61903	NAIL 138	March 20, 1999	A
YB	61904	NAIL 139	September 20, 1998	A
YB	61905	NAIL 140	September 20, 1998	A
YB	61906	NAIL 141	March 20, 1999	A
YB	61907	NAIL 142	March 20, 1999	A
YB	61908	NAIL 143	March 20, 1999	A
YB	61909	NAIL 144	September 20, 1998	A
YB	61910	NAIL 145	March 20, 1999	A
YB	61911	NAIL 146	March 20, 1999	A
YB	61912	NAIL 147	March 20, 2000	A
YB	61913	NAIL 148	March 20, 2000	A
YB	61914	NAIL 149	March 20, 2000	A
YB	61915	NAIL 150	March 20, 2000	A
YB	61916	NAIL 151	March 20, 2000	A
YB	61917	NAIL 152	March 20, 1999	A
YB	61918	NAIL 153	March 20, 1999	A
YB	61919	NAIL 154	March 20, 1999	A
YB	61920	NAIL 155	March 20, 1999	A
YB	61921	NAIL 156	March 20, 1999	A
YB	61922	NAIL 157	March 20, 1999	A
YB	61923	NAIL 158	March 20, 1999	A
YB	61924	NAIL 159	March 20, 2000	A
YB	61925	NAIL 160	March 20, 2000	A
YB	61926	NAIL 161	March 20, 2000	A
YB	61927	NAIL 162	March 20, 2000	A
YB	61928	NAIL 163	September 20, 1998	A
YB	61929	NAIL 164	September 20, 1998	A
YB	61930	NAIL 165	March 20, 1999	A
YB	61931	NAIL 166	March 20, 1999	A
YB	61932	NAIL 167	March 20, 2000	A
YB	61933	NAIL 168	March 20, 2000	A
YB	61934	NAIL 169	March 20, 1999	A
YB	61935	NAIL 170	March 20, 1999	A
YB	61936	NAIL 171	March 20, 1999	A
YB	61937	NAIL 172	March 20, 1999	A
YB	61938	NAIL 173	March 20, 1999	A

pref	disp n #	disposition name	Due date	Status
YB	61939	NAIL 174	March 20, 1999	A
YB	61940	NAIL 175	March 20, 1999	A
YB	61941	NAIL 176	March 20, 1999	A
YB	61942	NAIL 177	March 20, 1999	A
YB	61943	NAIL 178	March 20, 1999	A
YB	61944	NAIL 179	March 20, 1999	A
YB	61945	NAIL 180	March 20, 1999	A
YB	61946	NAIL 181	March 20, 1999	A
YB	61947	NAIL 182	March 20, 1999	A
YB	61948	NAIL 183	March 20, 1999	A
YB	61949	NAIL 184	March 20, 1999	A
YB	61950	NAIL 185	September 20, 1998	A
YB	61951	NAIL 186	September 20, 1998	A
YB	61952	NAIL 187	March 20, 1999	A
YB	61953	NAIL 188	March 20, 1999	A
YB	61954	NAIL 189	March 20, 1999	A
YB	61955	NAIL 190	March 20, 1999	A
YB	61956	NAIL 192	March 20, 1999	A
YB	61957	NAIL 193	September 20, 1998	A
YB	61958	NAIL 195	March 20, 1999	A
YB	61959	NAIL 196	March 20, 2000	A
YB	61960	NAIL 197	March 20, 1999	A
YB	61961	NAIL 198	March 20, 2000	A
YB	61962	NAIL 199	March 20, 1999	A
YB	61963	NAIL 200	March 20, 1999	A
YB	61964	NAIL 201	March 20, 1999	A
YB	61965	NAIL 202	March 20, 1999	A
YB	61966	NAIL 203	March 20, 1999	A
YB	61967	NAIL 204	March 20, 1999	A
YB	61968	NAIL 205	March 20, 1999	A
YB	61969	NAIL 206	March 20, 1999	A
YB	61970	NAIL 207	March 20, 1999	A
YB	61971	NAIL 208	March 20, 1999	A
YB	61972	NAIL 209	March 20, 1999	A
YB	61973	NAIL 210	March 20, 1999	A
YB	61974	NAIL 211	September 20, 1998	A
YB	61975	NAIL 212	September 20, 1998	A
YB	61976	NAIL 213	September 20, 1998	A
YB	61977	NAIL 214	September 20, 1998	A
YB	61978	NAIL 235	September 20, 1998	A
YB	61979	NAIL 236	September 20, 1998	A
YB	61980	NAIL 237	March 20, 1999	A
YB	61981	NAIL 238	March 20, 1999	A
YB	61982	NAIL 255	March 20, 1999	A
YB	61983	NAIL 256	March 20, 1999	A
YB	61984	NAIL 257	March 20, 1999	A
YB	61985	NAIL 258	March 20, 1999	A

pref	disp'n #	disposition name	Due date	Status
YB	61316	BUT 1	March 7, 1999	A
YB	61317	BUT 2	March 7, 1999	A
YB	61318	BUT 3	March 7, 1999	A
YB	61319	BUT 4	March 7, 1999	A
YB	61320	BUT 5	March 7, 1999	A
YB	61321	BUT 6	March 7, 1999	A
YB	61322	BUT 7	March 7, 1999	A
YB	61323	BUT 8	March 7, 1999	A
YB	61324	BUT 9	March 7, 1999	A
YB	61325	BUT 10	March 7, 1999	A
YB	61326	BUT 11	March 7, 1999	A
YB	61327	BUT 12	March 7, 1999	A
YB	61328	BUT 13	March 7, 1999	A
YB	61329	BUT 14	March 7, 1999	A
YB	61330	BUT 15	March 7, 1999	A
YB	61331	BUT 16	March 7, 1999	A
YB	61332	BUT 17	March 7, 1999	A
YB	61333	BUT 18	March 7, 1999	A
YB	61334	BUT 19	March 7, 1999	A
YB	61335	BUT 20	March 7, 1999	A
YB	61336	BUT 21	March 7, 1999	A
YB	61337	BUT 22	March 7, 1999	A
YB	61338	BUT 23	March 7, 1999	A
YB	61339	BUT 24	March 7, 1999	A
YB	61340	BUT 25	March 7, 1999	A
YB	61341	BUT 26	March 7, 1999	A
YB	61342	BUT 27	March 7, 1999	A
YB	61343	BUT 28	March 7, 1999	A
YB	61344	BUT 29	March 7, 1999	A
YB	61345	BUT 30	March 7, 1999	A
YB	61346	BUT 31	March 7, 1999	A
YB	61347	BUT 32	March 7, 1999	A
YB	61348	BUT 33	March 7, 1999	A
YB	61349	BUT 34	March 7, 1999	A
YB	61350	BUT 35	March 7, 1999	A
YB	61351	BUT 36	March 7, 1999	A
YB	61352	BUT 37	March 7, 1999	A
YB	61353	BUT 38	March 7, 1999	A
YB	61354	BUT 39	March 7, 1999	A
YB	61355	BUT 40	March 7, 1999	A
YB	61356	BUT 41	March 7, 1999	A
YB	61357	BUT 42	March 7, 2000	A
YB	61358	BUT 43	March 7, 2000	A
YB	61359	BUT 44	March 7, 2000	A
YB	61360	BUT 45	March 7, 2000	A
YB	61361	BUT 46	March 7, 2000	A
YB	61362	BUT 47	March 7, 1999	A
YB	61363	BUT 48	March 7, 1999	A
YB	61364	BUT 49	March 7, 1999	A
YB	61365	BUT 50	March 7, 1999	A
YB	61366	BUT 51	March 7, 1999	A
YB	61367	BUT 52	March 7, 1999	A
YB	61368	BUT 53	March 7, 1999	A
YB	61369	BUT 54	March 7, 1999	A
YB	61370	BUT 55	March 7, 2000	A
YB	61371	BUT 56	March 7, 2000	A
YB	61372	BUT 57	March 7, 2000	A

pref	disp'n #	disposition name	Due date	Status
YB	61373	BUT 58	March 7, 2000	A
YB	61374	BUT 59	March 7, 2000	A
YB	61375	BUT 60	March 7, 2000	A
YB	61376	BUT 61	March 7, 2000	A
YB	61377	BUT 62	March 7, 2000	A

APPENDIX C
LIST OF PERSONNEL

LIST OF PERSONNEL

Jan Tindle (Field Assistant)
3341 Lakeside Road
Whistler, B.C
V0N 1B3

Yvonne Thornton (Field Assistant)
3341 Lakeside Road
Whistler, B.C
V0N 1B3

David A. Terry (Project Geologist)
904-1055 Dunsmuir St.
Vancouver, B.C.
V7X 1C4

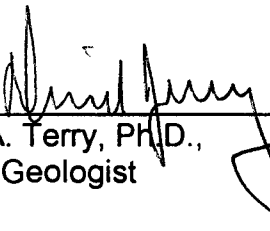
APPENDIX D
GEOLOGIST CERTIFICATE

GEOLOGISTS CERTIFICATE

I, David A. Terry of 1568 Maplehurst Circle, Burnaby, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Project Geologist with Westmin Resources Limited with offices at #904-1055 Dunsmuir Street, Vancouver, British Columbia.
2. THAT I have practiced my profession with various mining companies in Ontario, Quebec, British Columbia, Yukon, the United States, Argentina, and Chile for nine years.
3. THAT I am a graduate of the University of Western Ontario and hold a Bachelor of Science in Geology (1988) and a Doctor of Philosophy in Geology (1997).
4. THAT I am a member of the Prospectors and Developers Association of Canada, the Geological Society of America, and the Society of Economic Geologists.
5. THAT this report is based on property work I personally carried out or managed.
6. THAT I have no direct interest in the property described herein, nor do I expect to receive any interest.

DATED at Vancouver, British Columbia this 17 day of March, 1998.



David A. Terry, Ph.D.,
Project Geologist

APPENDIX E
ICP-AES ASSAY CERTIFICATES



Chemex Labs Ltd.

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

To: WESTMIN RESOURCES LTD.

P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

INVOICE NUMBER

I 9 7 3 9 5 4 7

BILLING INFORMATION

Date: 5-SEP-97
Project: 6410
P.O. No.:
Account: GP W

Comments: ATTN:DAVID TERRY-VANCOUVER
OFFICE

Billing: For analysis performed on
Certificate A9739547

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
371	201 - Dry, sieve to -80 mesh	1.25		
	202 - save reject	0.85		
	ICP-24	10.50		
	983 - Au ppb FA+AA	9.75	22.35	8291.85
				Total Cost \$ 8291.85
				Client Discount (25%) \$ -2072.96
				Net Cost \$ 6218.89
				(Reg# R100938885) GST \$ 435.32
				TOTAL PAYABLE (CDN) \$ 6654.21



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

QC #: 1-A
Tot QC Pg: 3
Date: 05-SEP-97
Invoice #: 19739547
P.O. #: GPW

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

QC DATA OF CERTIFICATE

A9739547

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
ADS-1	Std1	1	470	----	----	----	----	----	----	----	----	----	----	----	----	----
ADS-1	Std1	2	470	----	----	----	----	----	----	----	----	----	----	----	----	----
ADS-1	Std1	3	460	----	----	----	----	----	----	----	----	----	----	----	----	----
ADS-1	Std1	4	455	----	----	----	----	----	----	----	----	----	----	----	----	----
ADS-1	Std1	5	450	----	----	----	----	----	----	----	----	----	----	----	----	----
ADS-1	Std1	6	460	----	----	----	----	----	----	----	----	----	----	----	----	----
ADS-1	Std1	7	480	----	----	----	----	----	----	----	----	----	----	----	----	----
ADS-1	Std1	8	490	----	----	----	----	----	----	----	----	----	----	----	----	----
ADS-1	Std1	9	465	----	----	----	----	----	----	----	----	----	----	----	----	----
ADS-1	Std1	10	480	----	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	---	---	470	----	----	----	----	----	----	----	----	----	----	----	----	----
BL-C	Blnk	1	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
BL-C	Blnk	2	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
BL-C	Blnk	3	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
BL-C	Blnk	4	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
BL-C	Blnk	5	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
BL-C	Blnk	6	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
BL-C	Blnk	7	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
BL-C	Blnk	8	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
BL-C	Blnk	9	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	---	---	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
G96-1GM	Std2	1	-----	-----	8.08	1170	1.5	< 2	2.17	1.0	17	102	208	4.99	1.97	1.13
G96-1GM	Std2	2	-----	-----	7.92	1140	1.5	< 2	2.10	1.0	19	101	203	4.90	1.95	1.09
G96-1GM	Std2	3	-----	-----	7.86	1100	1.0	< 2	2.05	1.0	17	99	198	4.79	1.94	1.07
G96-1GM	Std2	4	-----	-----	7.55	1090	1.0	< 2	2.04	1.5	17	96	191	4.68	1.86	1.05
G96-1GM	Std2	5	-----	-----	7.68	1130	1.0	< 2	2.10	1.0	17	99	196	4.81	1.89	1.09
G96-1GM	Std2	6	-----	-----	7.93	1140	1.0	< 2	2.12	0.5	18	100	204	4.97	1.97	1.12
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	< 1	-----	-----	-----
G96-TOT	Std1	1	-----	-----	8.03	1150	1.5	< 2	2.15	0.5	18	103	203	4.97	1.97	1.10
G96-TOT	Std1	2	-----	-----	7.97	1130	1.5	< 2	2.12	0.5	18	102	200	4.90	1.96	1.08
G96-TOT	Std1	3	-----	-----	7.77	1100	1.0	< 2	2.03	0.5	17	96	195	4.72	1.91	1.06
G96-TOT	Std1	4	-----	-----	7.52	1040	1.0	< 2	1.93	1.0	16	96	191	4.49	1.68	1.02
G96-TOT	Std1	5	-----	-----	7.67	1130	1.0	< 2	2.10	1.0	17	99	197	4.84	1.88	1.09
G96-TOT	Std1	6	-----	-----	7.98	1170	1.5	< 2	2.15	1.5	18	102	204	4.99	1.97	1.12
G96-TOT	Std1	7	-----	-----	7.89	1160	1.0	4	2.20	1.5	18	98	188	4.94	1.86	1.07
G96-TOT	Std2	7	-----	-----	7.91	1160	1.5	< 2	2.15	0.5	17	101	186	4.94	1.86	1.06
G96-TOT	Std1	8	-----	-----	7.73	1130	1.5	6	2.10	0.5	16	97	182	4.80	1.82	1.05
G96-TOT	Std2	8	-----	-----	7.58	1120	1.0	2	2.04	1.0	16	96	178	4.75	1.77	1.01
G96-TOT	Std1	9	-----	-----	7.44	1090	1.0	2	2.03	0.5	17	97	177	4.65	1.74	1.01
G96-TOT	Std2	9	-----	-----	7.78	1130	1.5	< 2	2.10	1.5	17	98	184	4.84	1.83	1.05
G96-TOT	Std1	10	-----	-----	7.77	1140	1.0	2	2.10	1.0	18	100	187	4.82	1.82	1.06
CHEMEX MEAN	---	---	-----	-----	7.60	1135	1.1	8	2.13	0.9	17	98	177	4.60	1.82	1.00
GEO-96	Std1	1	-----	5.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: Hant Buchler



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

QC F : 1-B
Tot QC Pg: 3
Date: 05-SEP-97
Invoice #: 19739547
P.O. #: GP W

QC DATA OF CERTIFICATE

A9739547

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
ADS-1	Std1	1	----	----	----	----	----	----	----	----	----	----	----			
ADS-1	Std1	2	----	----	----	----	----	----	----	----	----	----	----			
ADS-1	Std1	3	----	----	----	----	----	----	----	----	----	----	----			
ADS-1	Std1	4	----	----	----	----	----	----	----	----	----	----	----			
ADS-1	Std1	5	----	----	----	----	----	----	----	----	----	----	----			
ADS-1	Std1	6	----	----	----	----	----	----	----	----	----	----	----			
ADS-1	Std1	7	----	----	----	----	----	----	----	----	----	----	----			
ADS-1	Std1	8	----	----	----	----	----	----	----	----	----	----	----			
ADS-1	Std1	9	----	----	----	----	----	----	----	----	----	----	----			
ADS-1	Std1	10	----	----	----	----	----	----	----	----	----	----	----			
CHEMEX MEAN	----	----	----	----	----	----	----	----	----	----	----	----	----			
BL-C	Blank	1	----	----	----	----	----	----	----	----	----	----	----			
BL-C	Blank	2	----	----	----	----	----	----	----	----	----	----	----			
BL-C	Blank	3	----	----	----	----	----	----	----	----	----	----	----			
BL-C	Blank	4	----	----	----	----	----	----	----	----	----	----	----			
BL-C	Blank	5	----	----	----	----	----	----	----	----	----	----	----			
BL-C	Blank	6	----	----	----	----	----	----	----	----	----	----	----			
BL-C	Blank	7	----	----	----	----	----	----	----	----	----	----	----			
BL-C	Blank	8	----	----	----	----	----	----	----	----	----	----	----			
BL-C	Blank	9	----	----	----	----	----	----	----	----	----	----	----			
CHEMEX MEAN	----	----	----	----	----	----	----	----	----	----	----	----	----			
G96-1GM	Std2	1	1145	8	1.13	26	640	----	267	0.35	174	10	210			
G96-1GM	Std2	2	1110	8	1.13	25	620	----	264	0.34	166	< 10	202			
G96-1GM	Std2	3	1080	8	1.17	25	620	----	279	0.34	160	10	196			
G96-1GM	Std2	4	1065	10	1.06	25	600	----	243	0.31	160	< 10	196			
G96-1GM	Std2	5	1095	7	1.06	26	610	----	243	0.35	164	10	200			
G96-1GM	Std2	6	1115	8	1.12	26	610	----	257	0.34	167	< 10	204			
CHEMEX MEAN	----	----	----	----	----	----	----	----	----	----	----	----	----			
G96-TOT	Std1	1	1120	8	1.12	26	630	----	248	0.36	168	10	204			
G96-TOT	Std1	2	1095	8	1.16	28	620	----	260	0.36	164	< 10	200			
G96-TOT	Std1	3	1075	7	1.13	25	600	----	263	0.32	158	< 10	192			
G96-TOT	Std1	4	1025	8	1.15	23	580	----	274	0.32	151	10	186			
G96-TOT	Std1	5	1100	8	1.06	27	630	----	248	0.34	165	10	198			
G96-TOT	Std1	6	1135	8	1.11	27	630	----	251	0.33	169	10	210			
G96-TOT	Std1	7	1070	8	0.92	25	640	----	177	0.35	168	< 10	194			
G96-TOT	Std2	7	1070	9	0.88	26	630	----	158	0.35	163	< 10	190			
G96-TOT	Std1	8	1045	7	0.84	25	620	----	146	0.34	161	< 10	190			
G96-TOT	Std2	8	1025	9	0.87	22	590	----	171	0.31	154	< 10	184			
G96-TOT	Std1	9	1005	8	0.87	24	600	----	183	0.31	155	< 10	186			
G96-TOT	Std2	9	1055	7	0.93	25	620	----	204	0.32	160	< 10	188			
G96-TOT	Std1	10	1060	9	0.97	24	640	----	224	0.33	162	< 10	192			
CHEMEX MEAN	----	----	1025	8	1.00	24	624	----	236	0.34	160	< 10	185			
GEO-96	Std1	1	----	----	----	----	----	130	----	----	----	----	----			

CERTIFICATION:

David Terry



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

QC F
Tot Qc . g: 3
Date: 05-SEP-97
Invoice #: 19739547
P.O. #: GP W

QC DATA OF CERTIFICATE

A9739547

STD/DUP/BLANK DESCRIPTION	QC PAGE TYPE	PAGE NO.	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
GEO-96	std2	1	-----	5.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	std1	2	-----	5.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	std2	2	-----	5.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	std1	3	-----	5.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	std2	3	-----	5.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	std1	4	-----	5.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	std2	4	-----	5.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	std1	5	-----	5.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	std2	5	-----	5.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	std1	6	-----	5.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	std2	6	-----	5.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	std1	7	-----	5.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	std2	7	-----	5.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	std1	8	-----	4.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	std2	8	-----	5.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	std1	9	-----	4.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	std2	9	-----	5.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	std1	10	-----	5.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	5.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-B3	Blnk	1	-----	-----	0.24	30	< 0.5	< 2	0.02	< 0.5	< 1	5	3	0.06	0.05	0.01
SIO2-B3	Blnk	2	-----	-----	0.23	30	< 0.5	< 2	0.02	< 0.5	< 1	4	2	0.06	0.05	0.01
SIO2-B3	Blnk	3	-----	-----	0.23	30	< 0.5	< 2	0.02	< 0.5	< 1	4	3	0.06	0.05	0.01
SIO2-B3	Blnk	4	-----	-----	0.23	30	< 0.5	< 2	0.02	< 0.5	< 1	5	2	0.06	0.05	0.01
SIO2-B3	Blnk	5	-----	-----	0.24	30	< 0.5	< 2	0.02	< 0.5	< 1	5	3	0.06	0.05	0.01
SIO2-B3	Blnk	6	-----	-----	0.23	30	< 0.5	< 2	0.02	< 0.5	< 1	4	2	0.06	0.05	0.01
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	< 1	-----	-----	-----
SIO2-Q2	Blnk	1	-----	< 0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-Q2	Blnk	2	-----	< 0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-Q2	Blnk	3	-----	< 0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-Q2	Blnk	4	-----	< 0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-Q2	Blnk	5	-----	< 0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-Q2	Blnk	6	-----	< 0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-Q2	Blnk	7	-----	< 0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-Q2	Blnk	8	-----	< 0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-Q2	Blnk	9	-----	< 0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	< 0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-T4	Blnk	7	-----	-----	0.24	30	< 0.5	< 2	0.02	< 0.5	< 1	5	3	0.06	0.05	0.01
SIO2-T4	Blnk	8	-----	-----	0.24	30	< 0.5	< 2	0.02	< 0.5	< 1	5	2	0.06	0.05	0.01
SIO2-T4	Blnk	9	-----	-----	0.24	30	< 0.5	< 2	0.02	< 0.5	< 1	5	3	0.07	0.05	0.01
CHEMEX MEAN	---	---	-----	-----	0.26	30	0.5	2	0.03	1.0	1	1	3	0.07	0.05	0.01
TC-97	std2	1	195	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
TC-97	std2	2	200	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
TC-97	std2	3	190	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION:

David B. ...



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN: DAVID TERRY-VANCOUVER OFFICE

QC F : 2-B
Tot QC : 3
Date: 05-SEP-97
Invoice #: 19739547
P.O. #: GP W

QC DATA OF CERTIFICATE

A9739547

STD/DUP/BLANK DESCRIPTION	QC PAGE TYPE NO.	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
GEO-96	std2 1	----	----	----	----	----	130	----	----	----	----	----			
GEO-96	std1 2	----	----	----	----	----	130	----	----	----	----	----			
GEO-96	std2 2	----	----	----	----	----	132	----	----	----	----	----			
GEO-96	std1 3	----	----	----	----	----	130	----	----	----	----	----			
GEO-96	std2 3	----	----	----	----	----	130	----	----	----	----	----			
GEO-96	std1 4	----	----	----	----	----	126	----	----	----	----	----			
GEO-96	std2 4	----	----	----	----	----	120	----	----	----	----	----			
GEO-96	std1 5	----	----	----	----	----	124	----	----	----	----	----			
GEO-96	std2 5	----	----	----	----	----	130	----	----	----	----	----			
GEO-96	std1 6	----	----	----	----	----	130	----	----	----	----	----			
GEO-96	std2 6	----	----	----	----	----	130	----	----	----	----	----			
GEO-96	std1 7	----	----	----	----	----	130	----	----	----	----	----			
GEO-96	std2 7	----	----	----	----	----	130	----	----	----	----	----			
GEO-96	std1 8	----	----	----	----	----	130	----	----	----	----	----			
GEO-96	std2 8	----	----	----	----	----	130	----	----	----	----	----			
GEO-96	std1 9	----	----	----	----	----	120	----	----	----	----	----			
GEO-96	std2 9	----	----	----	----	----	120	----	----	----	----	----			
GEO-96	std1 10	----	----	----	----	----	120	----	----	----	----	----			
CHEMEX MEAN	----	----	----	----	----	----	125	----	----	----	----	----			
SIO2-B3	Blnk 1	< 5	< 1	0.03	1	250	----	278	0.01	4	< 10	2			
SIO2-B3	Blnk 2	< 5	< 1	0.03	< 1	240	----	278	0.01	3	< 10	2			
SIO2-B3	Blnk 3	< 5	< 1	0.03	1	240	----	295	0.01	3	< 10	2			
SIO2-B3	Blnk 4	< 5	< 1	0.03	< 1	240	----	268	0.01	3	< 10	< 2			
SIO2-B3	Blnk 5	< 5	< 1	0.03	< 1	250	----	270	0.01	4	< 10	< 2			
SIO2-B3	Blnk 6	< 5	< 1	0.03	1	240	----	279	0.01	4	< 10	< 2			
CHEMEX MEAN	----	----	----	----	----	----	----	----	----	----	----	----			
SIO2-Q2	Blnk 1	----	----	----	----	----	4	----	----	----	----	----			
SIO2-Q2	Blnk 2	----	----	----	----	----	< 2	----	----	----	----	----			
SIO2-Q2	Blnk 3	----	----	----	----	----	4	----	----	----	----	----			
SIO2-Q2	Blnk 4	----	----	----	----	----	< 2	----	----	----	----	----			
SIO2-Q2	Blnk 5	----	----	----	----	----	2	----	----	----	----	----			
SIO2-Q2	Blnk 6	----	----	----	----	----	2	----	----	----	----	----			
SIO2-Q2	Blnk 7	----	----	----	----	----	4	----	----	----	----	----			
SIO2-Q2	Blnk 8	----	----	----	----	----	4	----	----	----	----	----			
SIO2-Q2	Blnk 9	----	----	----	----	----	< 2	----	----	----	----	----			
CHEMEX MEAN	----	----	----	----	----	----	< 2	----	----	----	----	----			
SIO2-T4	Blnk 7	< 5	< 1	0.03	< 1	260	----	178	0.01	4	< 10	2			
SIO2-T4	Blnk 8	< 5	< 1	0.02	< 1	240	----	202	0.01	3	< 10	< 2			
SIO2-T4	Blnk 9	5	< 1	0.03	< 1	250	----	232	0.01	4	< 10	< 2			
CHEMEX MEAN	----	5	1	0.01	1	248	----	269	0.01	4	10	2			
TC-97	std2 1	----	----	----	----	----	----	----	----	----	----	----			
TC-97	std2 2	----	----	----	----	----	----	----	----	----	----	----			
TC-97	std2 3	----	----	----	----	----	----	----	----	----	----	----			

CERTIFICATION:

David B. Allen



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

QC # 3-A
Tot Qc Pg: 3
Date: 05-SEP-97
Invoice #: 19739547
P.O. #: GP W

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

QC DATA OF CERTIFICATE A9739547

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
TC-97	Std2	4	200	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
TC-97	Std2	5	200	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
TC-97	Std2	6	200	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
TC-97	Std2	7	210	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
TC-97	Std2	8	205	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
TC-97	Std2	9	190	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	201	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
173840	Dup1-01		< 5	< 0.2	6.28	640	0.5	< 2	2.27	< 0.5	17	123	38	3.50	1.22	1.51
	Orig1-01		< 5	< 0.2	6.64	690	1.0	< 2	2.46	< 0.5	18	131	40	3.79	1.28	1.66
274030	Dup2-01		not/ss	< 0.2	6.82	500	0.5	< 2	2.26	< 0.5	14	174	23	4.10	1.42	1.89
	Orig2-01		< 5	< 0.2	7.04	520	0.5	< 2	2.33	< 0.5	14	175	23	4.23	1.17	1.94
274071	Dup3-01		not/ss	< 0.2	4.44	1160	1.0	< 2	1.40	< 0.5	19	289	20	2.23	1.24	2.54
	Orig3-01		< 5	< 0.2	4.51	1170	1.0	< 2	1.42	< 0.5	19	300	20	2.28	1.25	2.58
274111	Dup4-01		< 5	< 0.2	4.66	1110	1.0	< 2	1.25	0.5	12	130	19	2.04	1.32	1.32
	Orig4-01		< 5	< 0.2	4.55	1090	1.0	< 2	1.23	< 0.5	11	124	19	2.00	1.18	1.29
274151	Dup5-01		not/ss	< 0.2	6.37	1310	1.0	< 2	0.88	< 0.5	21	279	15	3.62	1.45	2.21
	Orig5-01		< 5	< 0.2	6.36	1300	1.0	< 2	0.87	< 0.5	21	279	15	3.58	1.40	2.19
274194	Dup5-01		not/ss	< 0.2	7.09	870	1.0	< 2	2.28	< 0.5	5	21	31	1.75	2.04	0.83
	Orig5-01		< 5	< 0.2	7.25	910	1.0	< 2	2.37	< 0.5	5	24	32	1.81	1.68	0.87
274238	Dup7-01		5	< 0.2	5.72	1320	1.5	< 2	1.13	< 0.5	16	126	33	3.03	1.55	1.32
	Orig7-01		< 5	< 0.2	5.86	1330	1.5	< 2	1.13	< 0.5	15	130	33	3.07	1.57	1.33
274278	Dup8-01		not/ss	< 0.2	5.33	1140	1.0	< 2	2.19	1.0	7	53	47	1.83	1.42	0.61
	Orig8-01		< 5	< 0.2	5.29	1150	1.0	2	2.17	0.5	7	54	47	1.84	1.39	0.60
274318	Dup9-01		not/ss	< 0.2	7.01	860	1.0	< 2	2.28	< 0.5	5	7	22	1.62	1.92	0.58
	Orig9-01		< 5	< 0.2	6.88	850	1.0	< 2	2.20	< 0.5	4	8	22	1.57	1.87	0.56

CERTIFICATION:

Hart Buchler



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

QC F : 3-B
Tot Q. g: 3
Date: 05-SEP-97
Invoice #: 19739547
P.O. #: GP W

QC DATA OF CERTIFICATE

A9739547

STD/DUP/BLANK DESCRIPTION	QC PAGE TYPE NO.	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
TC-97	Std2 4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
TC-97	Std2 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
TC-97	Std2 6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
TC-97	Std2 7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
TC-97	Std2 8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
TC-97	Std2 9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
CHEMEX MEAN	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
173840	Dup1-01	750	< 1	1.61	42	650	8	224	0.42	144	< 10	72			
	Orig1-01	825	< 1	1.63	46	690	8	220	0.47	161	< 10	78			
274030	Dup2-01	515	< 1	1.83	39	630	10	153	0.72	221	< 10	54			
	Orig2-01	520	< 1	1.79	39	640	6	152	0.76	225	< 10	54			
274071	Dup3-01	520	< 1	0.77	166	680	6	99	0.21	123	< 10	62			
	Orig3-01	530	< 1	0.77	169	690	6	95	0.24	125	< 10	64			
274111	Dup4-01	920	1	1.04	71	880	4	152	0.28	117	< 10	82			
	Orig4-01	905	< 1	1.01	72	850	4	143	0.27	113	< 10	80			
274151	Dup5-01	505	< 1	0.99	142	130	8	106	0.31	127	< 10	60			
	Orig5-01	505	< 1	0.96	138	130	6	108	0.30	126	< 10	60			
274194	Dup5-01	1125	1	2.80	29	730	8	639	0.21	50	< 10	60			
	Orig5-01	1180	< 1	2.78	30	740	6	652	0.22	52	< 10	62			
274238	Dup7-01	545	< 1	0.75	74	830	10	73	0.33	151	< 10	94			
	Orig7-01	555	< 1	0.82	72	850	10	93	0.30	149	< 10	92			
274278	Dup8-01	575	< 1	1.23	65	950	8	193	0.15	68	< 10	66			
	Orig8-01	575	< 1	1.22	64	940	8	202	0.15	68	< 10	66			
274318	Dup9-01	400	1	2.50	5	380	6	475	0.19	38	< 10	44			
	Orig9-01	395	< 1	2.36	6	380	6	434	0.19	37	< 10	44			

CERTIFICATION:

David Buehler



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

A9739547

Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

CERTIFICATE

A9739547

(GP W) - WESTMIN RESOURCES LTD.

Project: 6410
P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 5-SEP-97.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	371	Dry, sieve to -80 mesh save reject ICP - HF digestion charge
202	371	
285	371	

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	371	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	371	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	371	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	371	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	371	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	371	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	371	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	371	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	371	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	371	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	371	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	371	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	371	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	371	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	371	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	371	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	371	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	371	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	371	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	371	Pb ppm: 24 element, rock & core	AAS	2	10000
582	371	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	371	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	371	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	371	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	371	Zn ppm: 24 element, rock & core	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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page: 1-A
Total Pages: 10
Certificate Date: 05-SEP-97
Invoice No.: I9739547
P.O. Number:
Account: GP W

CERTIFICATE OF ANALYSIS

A9739547

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
173840	201 202	< 5	< 0.2	6.64	690	1.0	< 2	2.46	< 0.5	18	131	40	3.79	1.28	1.66
173841	201 202	< 5	< 0.2	5.84	620	1.0	< 2	1.65	< 0.5	12	67	43	2.62	1.14	1.21
173842	201 202	< 5	< 0.2	5.92	760	0.5	< 2	1.35	< 0.5	14	106	38	4.13	1.08	1.41
173843	201 202	< 5	< 0.2	6.80	670	0.5	< 2	2.78	< 0.5	18	143	40	4.24	1.18	1.64
173844	201 202	< 5	< 0.2	6.37	710	1.0	< 2	1.81	< 0.5	8	41	48	2.03	1.61	0.81
173845	201 202	< 5	< 0.2	5.73	800	1.0	< 2	1.64	< 0.5	11	103	25	3.19	1.31	1.21
173846	201 202	< 5	< 0.2	6.87	940	1.5	< 2	1.34	< 0.5	18	122	51	3.88	1.52	1.53
173847	201 202	< 5	< 0.2	7.16	680	0.5	< 2	1.96	< 0.5	25	150	93	4.58	1.31	2.43
173848	201 202	< 5	< 0.2	5.47	610	1.0	< 2	2.01	< 0.5	8	44	85	2.02	1.18	0.79
173849	201 202	< 5	< 0.2	6.28	790	1.0	< 2	1.86	< 0.5	6	30	39	1.84	1.67	0.66
173850	201 202	< 5	< 0.2	5.48	520	0.5	< 2	1.61	< 0.5	11	112	29	4.86	0.95	1.20
274001	201 202	< 5	< 0.2	5.50	440	0.5	< 2	2.00	< 0.5	20	174	32	5.24	0.79	1.82
274002	201 202	< 5	< 0.2	6.48	770	1.0	< 2	2.13	< 0.5	21	150	40	4.20	1.31	1.86
274003	201 202	< 5	< 0.2	5.94	510	0.5	< 2	2.01	< 0.5	8	81	40	3.33	1.07	0.92
274004	201 202	< 5	< 0.2	6.48	660	0.5	< 2	2.44	< 0.5	16	137	40	4.22	1.17	1.81
274005	201 202	< 5	< 0.2	6.82	1180	1.5	< 2	1.56	< 0.5	16	109	79	4.17	1.37	1.43
274006	201 202	< 5	0.4	6.58	1100	1.0	< 2	1.50	< 0.5	11	96	49	3.04	1.55	1.12
274007	201 202	< 5	< 0.2	4.27	800	0.5	< 2	2.88	< 0.5	7	48	82	1.97	0.89	0.75
274008	201 202	< 5	< 0.2	5.22	650	0.5	< 2	2.75	< 0.5	5	20	43	1.55	1.33	0.59
274009	201 202	< 5	< 0.2	6.28	1100	1.0	< 2	1.16	< 0.5	5	69	22	2.27	1.60	0.73
274010	201 202	< 5	< 0.2	2.79	690	1.0	< 2	3.84	< 0.5	3	40	182	1.31	0.47	0.37
274011	201 202	< 5	< 0.2	4.40	610	0.5	< 2	2.57	< 0.5	4	18	78	1.28	0.96	0.43
274012	201 202	< 5	< 0.2	4.60	500	0.5	< 2	3.27	< 0.5	5	14	43	1.60	0.94	0.62
274013	201 202	< 5	< 0.2	7.52	950	1.0	< 2	2.40	< 0.5	19	129	35	4.54	1.39	1.92
274014	201 202	< 5	< 0.2	5.37	800	0.5	< 2	2.28	< 0.5	9	48	47	2.00	1.20	0.81
274015	201 202	< 5	< 0.2	6.24	750	1.0	< 2	2.37	< 0.5	5	18	32	1.63	1.58	0.64
274016	201 202	< 5	< 0.2	6.65	1300	1.5	< 2	1.45	< 0.5	13	107	29	2.97	1.66	1.23
274017	201 202	< 5	< 0.2	7.14	850	1.0	< 2	1.50	< 0.5	4	34	20	1.77	1.98	0.63
274018	201 202	< 5	< 0.2	7.41	1560	1.5	< 2	1.07	< 0.5	10	115	30	3.05	1.86	1.38
274019	201 202	< 5	< 0.2	6.60	1360	1.5	< 2	1.11	< 0.5	13	125	30	3.37	1.72	1.34
274020	201 202	< 5	< 0.2	6.18	1350	1.0	< 2	0.66	< 0.5	10	130	28	5.10	1.58	1.27
274021	201 202	< 5	< 0.2	5.99	1500	1.0	< 2	0.80	< 0.5	9	94	21	3.30	1.62	1.23
274022	201 202	< 5	< 0.2	5.51	1280	1.0	< 2	1.66	2.0	10	59	77	3.03	1.33	0.99
274023	201 202	< 5	< 0.2	6.45	1510	1.0	< 2	1.10	< 0.5	20	103	47	4.12	1.57	1.94
274024	201 202	< 5	< 0.2	6.87	1180	1.0	< 2	1.41	< 0.5	9	92	47	3.01	2.01	1.27
274025	201 202	< 5	< 0.2	6.62	890	1.0	< 2	1.52	< 0.5	5	31	47	1.83	1.72	0.65
274026	201 202	60	< 0.2	7.26	1570	1.0	< 2	1.09	< 0.5	29	151	29	5.28	1.59	2.24
274027	201 202	< 5	< 0.2	6.00	860	1.0	< 2	2.63	< 0.5	5	15	55	1.61	1.56	0.62
274028	201 202	< 5	< 0.2	7.09	1180	1.0	< 2	1.51	< 0.5	11	61	61	2.65	1.72	1.09
274029	201 202	< 5	< 0.2	6.66	1070	1.0	< 2	1.71	< 0.5	6	32	44	2.02	1.92	0.84

CERTIFICATION:

David Terry



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Pag. Number :1-B
Total Pages :10
Certificate Date: 05-SEP-97
Invoice No. :19739547
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9739547

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
173840	201 202	825	< 1	1.63	46	690	8	220	0.47	161	< 10	78			
173841	201 202	545	< 1	1.61	31	1810	6	228	0.28	90	< 10	62			
173842	201 202	790	< 1	1.05	39	720	6	114	0.46	154	< 10	62			
173843	201 202	660	< 1	1.54	48	520	4	188	0.53	174	< 10	68			
173844	201 202	555	< 1	2.18	17	1410	6	386	0.23	65	< 10	54			
173845	201 202	445	< 1	1.43	35	570	8	185	0.41	143	< 10	58			
173846	201 202	580	< 1	1.41	49	620	6	158	0.42	163	< 10	84			
173847	201 202	815	< 1	1.49	63	900	< 2	137	0.45	170	< 10	82			
173848	201 202	420	< 1	1.52	22	1620	4	273	0.19	64	< 10	46			
173849	201 202	430	< 1	2.21	15	950	6	394	0.23	57	< 10	46			
173850	201 202	490	< 1	1.10	24	720	6	134	0.57	200	< 10	72			
274001	201 202	1020	< 1	1.17	41	1700	4	109	0.74	220	< 10	70			
274002	201 202	835	< 1	1.43	57	680	6	174	0.47	174	< 10	78			
274003	201 202	380	< 1	1.52	17	880	6	227	0.60	199	< 10	48			
274004	201 202	610	< 1	1.53	41	460	4	260	0.55	181	< 10	68			
274005	201 202	690	< 1	1.50	59	1150	6	177	0.46	161	< 10	78			
274006	201 202	570	< 1	1.61	42	1280	10	238	0.35	121	< 10	74			
274007	201 202	525	< 1	0.99	27	1880	6	267	0.22	75	< 10	54			
274008	201 202	490	< 1	1.80	13	950	6	403	0.17	42	< 10	38			
274009	201 202	320	< 1	2.02	16	670	10	248	0.53	141	< 10	44			
274010	201 202	290	< 1	0.39	22	2530	4	143	0.10	41	< 10	34			
274011	201 202	335	< 1	1.45	12	1670	4	326	0.15	33	< 10	30			
274012	201 202	345	< 1	1.57	9	1100	4	406	0.20	49	< 10	36			
274013	201 202	740	< 1	2.23	52	850	4	295	0.86	201	< 10	72			
274014	201 202	450	< 1	1.69	23	1160	6	295	0.28	72	< 10	54			
274015	201 202	430	< 1	2.36	9	1090	6	498	0.19	47	< 10	44			
274016	201 202	595	< 1	1.56	53	970	10	219	0.38	123	< 10	98			
274017	201 202	345	< 1	2.70	8	710	8	470	0.29	72	< 10	46			
274018	201 202	425	< 1	1.72	53	1030	8	229	0.36	130	< 10	88			
274019	201 202	660	< 1	1.53	53	790	8	189	0.46	142	< 10	86			
274020	201 202	730	< 1	1.30	38	1590	12	107	0.65	216	< 10	90			
274021	201 202	525	< 1	1.43	34	540	8	151	0.44	150	< 10	74			
274022	201 202	1095	< 1	1.33	35	2400	8	259	0.23	107	< 10	98			
274023	201 202	1265	< 1	1.54	53	1160	12	136	0.80	177	< 10	106			
274024	201 202	580	< 1	2.18	30	1580	8	339	0.51	141	< 10	66			
274025	201 202	380	< 1	2.51	13	730	10	454	0.24	64	< 10	52			
274026	201 202	1960	< 1	1.55	53	1140	12	163	0.75	209	< 10	118			
274027	201 202	430	< 1	2.34	13	900	10	548	0.19	44	< 10	68			
274028	201 202	510	< 1	2.12	27	920	10	407	0.23	96	< 10	62			
274029	201 202	475	< 1	2.44	16	760	6	465	0.29	68	< 10	50			

CERTIFICATION: David Terry



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page .ber :2-A
Total Pages :10
Certificate Date: 05-SEP-97
Invoice No. :19739547
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS

A9739547

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
274030	201 202	< 5	< 0.2	7.04	520	0.5	< 2	2.33	< 0.5	14	175	23	4.23	1.17	1.94
274031	201 202	< 5	< 0.2	7.06	710	1.0	< 2	2.09	< 0.5	5	42	20	2.24	1.88	0.80
274032	201 202	< 5	< 0.2	6.87	740	1.0	< 2	1.99	< 0.5	7	32	25	2.12	1.80	0.86
274033	201 202	< 5	< 0.2	5.92	810	0.5	< 2	1.76	< 0.5	10	120	25	3.71	1.29	1.20
274034	201 202	< 5	< 0.2	6.08	660	0.5	< 2	1.76	< 0.5	7	76	20	2.48	1.20	0.95
274035	201 202	< 5	< 0.2	6.89	750	1.0	< 2	1.57	< 0.5	4	33	18	1.88	1.83	0.67
274036	201 202	< 5	< 0.2	7.00	660	1.0	< 2	1.70	0.5	16	128	69	4.01	1.06	1.17
274037	201 202	10	< 0.2	6.31	900	1.0	< 2	1.61	< 0.5	19	207	50	3.25	1.46	2.29
274038	201 202	< 5	< 0.2	6.47	770	1.0	< 2	1.40	< 0.5	22	363	27	2.87	1.73	3.17
274039	201 202	< 5	< 0.2	6.09	930	1.0	< 2	1.55	< 0.5	16	176	27	2.89	1.41	1.92
274040	201 202	< 5	< 0.2	5.04	540	0.5	< 2	1.38	< 0.5	31	322	18	3.73	1.23	3.95
274041	201 202	< 5	< 0.2	5.79	740	0.5	< 2	1.39	< 0.5	31	304	22	4.23	1.34	2.74
274042	201 202	< 5	< 0.2	6.11	660	0.5	< 2	1.12	< 0.5	5	65	17	2.83	1.52	0.67
274043	201 202	130	< 0.2	6.70	960	1.0	< 2	1.27	< 0.5	10	89	37	2.80	1.11	0.90
274044	201 202	5	< 0.2	6.82	1210	1.5	< 2	0.83	< 0.5	11	192	15	3.44	1.82	1.54
274045	201 202	< 5	< 0.2	7.39	820	1.0	< 2	1.59	< 0.5	13	146	21	2.51	1.34	1.09
274046	201 202	< 5	< 0.2	6.27	830	0.5	< 2	1.06	< 0.5	38	542	17	4.86	1.14	3.04
274047	201 202	< 5	< 0.2	5.77	980	0.5	< 2	0.89	< 0.5	7	143	15	2.32	1.62	1.16
274048	201 202	< 5	< 0.2	7.72	790	1.5	< 2	1.70	< 0.5	8	22	24	2.33	2.04	0.77
274049	201 202	< 5	< 0.2	2.91	440	0.5	< 2	3.60	< 0.5	5	43	72	0.95	0.71	0.73
274050	201 202	< 5	< 0.2	4.56	340	< 0.5	< 2	1.97	< 0.5	59	797	19	6.24	0.79	7.48
274051	201 202	< 5	< 0.2	5.46	1150	1.5	< 2	1.11	< 0.5	9	129	14	2.51	1.61	1.22
274052	201 202	< 5	< 0.2	6.47	1380	2.0	< 2	1.18	< 0.5	11	142	30	3.16	1.91	1.39
274053	201 202	< 5	< 0.2	5.10	1180	1.5	< 2	1.23	< 0.5	16	162	42	2.57	1.34	1.75
274054	201 202	< 5	< 0.2	4.02	850	0.5	< 2	1.65	< 0.5	25	525	17	3.06	0.88	4.59
274055	201 202	< 5	< 0.2	4.93	1470	0.5	< 2	1.67	0.5	16	236	48	2.92	1.05	2.09
274056	201 202	< 5	< 0.2	4.99	2010	1.5	< 2	1.92	< 0.5	23	285	115	3.26	0.92	2.75
274057	201 202	< 5	< 0.2	5.63	940	1.0	< 2	2.11	< 0.5	6	94	38	1.73	1.53	1.07
274058	201 202	< 5	< 0.2	5.00	780	0.5	< 2	2.29	1.0	6	54	52	1.53	1.28	0.85
274059	201 202	< 5	< 0.2	4.48	1140	1.0	< 2	1.35	< 0.5	17	188	20	2.46	1.21	1.64
274061	201 202	< 5	< 0.2	5.03	1400	1.0	< 2	1.21	0.5	17	242	43	2.52	1.37	2.13
274062	201 202	< 5	< 0.2	5.20	1470	1.0	< 2	1.60	< 0.5	14	209	61	2.47	1.44	1.95
274063	201 202	< 5	< 0.2	6.82	1080	1.0	< 2	1.35	< 0.5	8	120	20	2.21	1.60	1.18
274064	201 202	< 5	< 0.2	4.82	1450	1.0	< 2	1.32	0.5	20	233	30	2.69	1.33	2.27
274065	201 202	< 5	< 0.2	5.61	1800	1.5	< 2	1.00	0.5	10	68	54	2.65	1.94	0.86
274066	201 202	< 5	< 0.2	4.68	600	< 0.5	< 2	1.35	< 0.5	13	274	11	2.55	0.68	1.65
274067	201 202	< 5	< 0.2	5.10	1250	0.5	< 2	1.60	< 0.5	18	190	27	2.37	1.26	2.05
274068	201 202	< 5	< 0.2	5.63	610	0.5	< 2	2.11	< 0.5	14	374	17	2.73	0.96	2.29
274069	201 202	< 5	< 0.2	5.19	1440	1.5	< 2	1.00	0.5	21	218	42	2.57	1.63	2.45
274070	201 202	< 5	< 0.2	7.32	2270	2.5	< 2	1.47	< 0.5	38	244	393	4.51	1.64	1.62

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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page: 2-B
Total Pages: 10
Certificate Date: 05-SEP-97
Invoice No.: 19739547
P.O. Number:
Account: GP W

CERTIFICATE OF ANALYSIS

A9739547

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
274030	201 202	520	< 1	1.79	39	640	6	152	0.76	225	< 10	54			
274031	201 202	415	< 1	2.82	9	660	8	493	0.32	87	< 10	50			
274032	201 202	600	< 1	2.68	11	1020	6	524	0.28	68	< 10	50			
274033	201 202	600	< 1	1.25	32	800	8	174	0.59	188	< 10	60			
274034	201 202	390	< 1	1.98	22	810	6	298	0.36	107	< 10	48			
274035	201 202	375	< 1	2.67	9	410	6	452	0.25	63	< 10	48			
274036	201 202	1410	< 1	1.40	65	2910	4	215	0.28	124	< 10	152			
274037	201 202	690	< 1	1.70	133	620	8	202	0.45	139	< 10	64			
274038	201 202	610	< 1	2.27	316	980	6	399	0.23	73	< 10	80			
274039	201 202	645	< 1	1.74	151	780	12	212	0.43	130	< 10	64			
274040	201 202	595	< 1	1.77	271	500	6	308	0.26	82	< 10	64			
274041	201 202	845	< 1	1.65	216	800	8	232	0.40	132	< 10	74			
274042	201 202	535	< 1	1.93	14	530	10	318	0.47	147	< 10	52			
274043	201 202	430	< 1	1.95	38	280	8	339	0.33	115	< 10	66			
274044	201 202	375	< 1	1.02	72	350	12	140	0.45	149	< 10	64			
274045	201 202	570	< 1	2.54	45	330	8	420	0.29	77	< 10	144			
274046	201 202	585	< 1	1.04	246	280	8	152	0.33	138	< 10	80			
274047	201 202	305	< 1	1.27	45	240	10	170	0.31	125	< 10	62			
274048	201 202	440	< 1	2.92	13	320	10	546	0.25	73	< 10	58			
274049	201 202	250	< 1	1.05	288	880	6	310	0.10	28	< 10	26			
274050	201 202	880	< 1	1.08	611	650	2	196	0.42	60	< 10	184			
274051	201 202	320	< 1	1.36	63	630	14	144	0.37	117	< 10	68			
274052	201 202	475	< 1	1.46	79	730	16	185	0.40	147	< 10	100			
274053	201 202	555	< 1	1.14	214	850	12	165	0.29	123	< 10	94			
274054	201 202	590	< 1	0.80	264	650	8	95	0.27	122	< 10	58			
274055	201 202	465	< 1	0.74	176	610	10	124	0.23	144	< 10	82			
274056	201 202	840	< 1	0.43	587	690	8	111	0.15	142	< 10	70			
274057	201 202	300	< 1	1.91	160	670	8	393	0.14	54	< 10	72			
274058	201 202	380	< 1	1.77	72	770	10	395	0.18	54	< 10	52			
274059	201 202	455	< 1	0.84	99	800	12	115	0.26	123	< 10	66			
274061	201 202	640	< 1	0.99	155	650	12	141	0.28	127	< 10	78			
274062	201 202	630	< 1	1.07	166	630	12	185	0.23	118	< 10	74			
274063	201 202	415	< 1	2.19	54	490	10	391	0.24	92	< 10	60			
274064	201 202	935	< 1	0.64	163	760	14	87	0.26	152	< 10	108			
274065	201 202	495	< 1	0.57	60	590	22	109	0.19	185	< 10	124			
274066	201 202	330	< 1	0.95	80	110	8	105	0.32	129	< 10	56			
274067	201 202	575	< 1	1.20	167	360	10	183	0.22	114	< 10	58			
274068	201 202	405	< 1	1.34	99	190	8	168	0.32	134	< 10	98			
274069	201 202	620	< 1	0.56	210	810	14	77	0.24	165	< 10	100			
274070	201 202	1265	< 1	0.50	229	630	22	94	0.18	245	< 10	132			

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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page 1 of 3-A
Total Pages : 10
Certificate Date: 05-SEP-97
Invoice No. : 19739547
P.O. Number :
Account : GPW

CERTIFICATE OF ANALYSIS

A9739547

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
274071	201 202	< 5	< 0.2	4.51	1170	1.0	< 2	1.42	< 0.5	19	300	20	2.28	1.25	2.58
274072	201 202	< 5	< 0.2	5.68	920	1.0	< 2	1.73	0.5	30	276	45	2.56	1.51	1.88
274073	201 202	< 5	< 0.2	2.32	540	< 0.5	< 2	3.35	0.5	5	29	62	0.64	0.58	0.49
274074	201 202	< 5	0.4	6.41	1340	1.5	< 2	1.63	1.0	10	80	57	1.97	1.94	0.92
274075	201 202	< 5	< 0.2	4.04	1160	1.0	< 2	0.57	< 0.5	8	102	19	1.79	1.35	0.84
274076	201 202	< 5	< 0.2	5.71	1080	2.0	< 2	1.22	< 0.5	14	159	25	3.07	1.84	1.44
274077	201 202	< 5	< 0.2	4.91	1190	1.5	< 2	1.21	0.5	10	146	26	2.12	1.57	1.34
274078	201 202	< 5	< 0.2	5.41	1560	1.5	< 2	0.57	< 0.5	10	95	31	2.49	1.82	0.97
274079	201 202	< 5	< 0.2	5.59	960	2.0	< 2	1.57	0.5	15	161	24	2.68	1.71	1.33
274080	201 202	< 5	< 0.2	6.88	940	1.5	< 2	1.43	< 0.5	5	72	17	1.68	2.05	0.70
274081	201 202	< 5	< 0.2	5.06	1180	1.0	< 2	2.29	< 0.5	7	94	30	1.99	1.41	1.08
274082	201 202	< 5	< 0.2	5.76	780	1.0	< 2	2.22	0.5	4	23	78	1.62	1.59	0.63
274083	201 202	< 5	< 0.2	4.75	860	0.5	< 2	2.38	1.5	10	79	42	1.81	1.34	0.98
274084	201 202	< 5	< 0.2	5.32	1030	1.5	< 2	1.28	< 0.5	15	188	46	2.72	1.56	1.52
274085	201 202	< 5	< 0.2	5.92	1070	1.0	< 2	2.19	< 0.5	7	60	46	1.96	1.73	0.96
274086	201 202	< 5	< 0.2	6.56	1360	1.5	< 2	0.53	< 0.5	13	123	19	3.16	2.11	1.34
274087	201 202	< 5	< 0.2	6.68	1480	1.5	< 2	0.73	< 0.5	14	134	33	3.24	2.13	1.46
274088	201 202	< 5	< 0.2	6.47	1120	1.5	< 2	1.21	< 0.5	12	105	48	2.87	1.81	1.30
274089	201 202	< 5	< 0.2	6.30	1200	1.5	< 2	1.38	< 0.5	12	104	120	2.84	1.81	1.16
274090	201 202	< 5	< 0.2	6.56	1010	1.0	< 2	0.71	0.5	8	84	23	2.98	1.99	0.74
274091	201 202	< 5	< 0.2	5.21	1250	1.0	< 2	1.16	< 0.5	9	87	22	2.14	1.60	0.87
274092	201 202	< 5	< 0.2	4.76	840	0.5	< 2	2.07	< 0.5	7	64	39	1.89	1.25	0.95
274093	201 202	< 5	< 0.2	5.28	1130	1.5	< 2	1.24	< 0.5	12	159	25	2.66	1.56	1.29
274094	201 202	< 5	< 0.2	5.44	1520	1.5	< 2	0.68	< 0.5	11	96	36	2.60	1.85	1.08
274095	201 202	< 5	< 0.2	5.65	1480	1.5	< 2	1.23	0.5	16	209	51	3.73	1.66	1.56
274096	201 202	< 5	< 0.2	4.69	930	1.0	< 2	2.03	< 0.5	7	69	38	1.71	1.02	0.91
274097	201 202	< 5	< 0.2	5.19	1370	1.5	< 2	1.08	< 0.5	11	131	48	2.55	1.65	1.42
274098	201 202	< 5	< 0.2	5.09	1270	1.5	< 2	1.09	< 0.5	11	154	28	2.26	1.47	1.34
274099	201 202	< 5	< 0.2	5.19	1290	1.0	< 2	1.88	0.5	7	88	36	2.06	1.49	1.03
274100	201 202	< 5	< 0.2	5.22	1180	1.5	< 2	1.58	< 0.5	9	106	23	2.28	1.61	1.21
274101	201 202	< 5	< 0.2	4.95	1250	1.5	< 2	1.41	< 0.5	11	127	31	2.35	1.47	1.33
274102	201 202	< 5	< 0.2	3.95	1090	1.0	< 2	2.67	1.5	11	87	61	1.89	1.04	1.00
274103	201 202	< 5	< 0.2	5.08	1090	1.0	< 2	2.47	< 0.5	9	92	49	2.11	1.33	1.07
274104	201 202	< 5	< 0.2	6.03	1240	1.0	< 2	1.00	0.5	10	135	19	2.50	1.74	1.08
274105	201 202	< 5	< 0.2	5.12	1360	1.5	< 2	0.84	< 0.5	12	150	44	2.50	1.46	1.39
274106	201 202	< 5	< 0.2	4.74	1370	1.5	< 2	1.23	1.5	9	95	44	2.15	1.33	0.94
274107	201 202	< 5	< 0.2	4.72	1140	1.0	< 2	1.13	< 0.5	9	83	25	2.16	1.35	0.89
274108	201 202	< 5	< 0.2	5.01	890	0.5	< 2	1.91	1.5	20	244	24	2.34	1.36	1.34
274109	201 202	< 5	< 0.2	4.94	1170	1.5	< 2	1.43	0.5	11	114	57	2.44	1.49	1.24
274110	201 202	< 5	< 0.2	7.47	1240	1.5	< 2	1.77	< 0.5	6	45	59	2.13	2.18	0.78

CERTIFICATION:

David A. Buchler



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page: 3-B
Total Pages: 10
Certificate Date: 05-SEP-97
Invoice No.: I9739547
P.O. Number:
Account: GPW

CERTIFICATE OF ANALYSIS

A9739547

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
274071	201 202	530	< 1	0.77	169	690	6	95	0.24	125	< 10	64			
274072	201 202	940	< 1	1.84	135	520	6	362	0.22	75	< 10	146			
274073	201 202	510	< 1	0.83	62	480	< 2	273	0.07	18	< 10	24			
274074	201 202	665	< 1	1.71	93	700	10	323	0.19	94	< 10	100			
274075	201 202	415	< 1	0.73	43	680	6	91	0.22	113	< 10	62			
274076	201 202	570	< 1	1.42	97	780	12	152	0.30	103	< 10	84			
274077	201 202	420	< 1	1.03	78	1020	10	125	0.26	122	< 10	96			
274078	201 202	490	< 1	0.62	59	620	14	83	0.23	192	< 10	122			
274079	201 202	925	< 1	1.46	79	920	20	221	0.23	104	< 10	134			
274080	201 202	450	< 1	2.69	16	400	10	482	0.24	60	< 10	66			
274081	201 202	550	< 1	0.91	50	810	8	191	0.19	105	< 10	64			
274082	201 202	285	< 1	2.28	61	840	6	506	0.16	39	< 10	42			
274083	201 202	765	< 1	1.37	96	960	6	318	0.17	59	< 10	96			
274084	201 202	560	< 1	0.74	132	710	10	132	0.21	112	< 10	72			
274085	201 202	1045	< 1	1.70	52	920	6	359	0.17	68	< 10	96			
274086	201 202	515	< 1	0.84	65	310	10	75	0.27	119	< 10	92			
274087	201 202	555	< 1	0.87	67	870	12	92	0.28	133	< 10	90			
274088	201 202	480	< 1	1.44	64	660	8	238	0.25	105	< 10	90			
274089	201 202	740	< 1	0.97	99	780	10	128	0.20	99	< 10	70			
274090	201 202	420	< 1	1.44	28	260	10	221	0.23	89	< 10	66			
274091	201 202	340	< 1	1.08	46	400	8	172	0.19	113	< 10	74			
274092	201 202	465	< 1	1.47	63	800	6	341	0.19	71	< 10	64			
274093	201 202	395	< 1	1.02	72	750	8	134	0.25	124	< 10	80			
274094	201 202	500	2	0.70	67	900	14	99	0.24	182	< 10	124			
274095	201 202	1030	< 1	0.73	129	860	20	110	0.20	154	< 10	128			
274096	201 202	480	< 1	1.29	66	790	8	290	0.18	74	< 10	74			
274097	201 202	460	< 1	0.91	99	880	12	136	0.23	122	< 10	92			
274098	201 202	495	< 1	0.89	66	850	12	117	0.28	138	< 10	96			
274099	201 202	410	< 1	1.27	67	740	8	272	0.18	93	< 10	70			
274100	201 202	525	< 1	1.25	66	890	8	198	0.23	104	< 10	82			
274101	201 202	890	< 1	0.82	85	860	10	137	0.21	128	< 10	94			
274102	201 202	690	< 1	0.75	79	920	8	217	0.14	81	< 10	76			
274103	201 202	630	< 1	1.28	91	850	8	319	0.18	86	< 10	78			
274104	201 202	575	< 1	1.27	49	510	10	190	0.26	134	< 10	76			
274105	201 202	445	< 1	0.80	100	610	10	100	0.27	134	< 10	70			
274106	201 202	550	< 1	0.77	56	870	12	147	0.22	118	< 10	102			
274107	201 202	465	< 1	0.89	59	590	10	141	0.23	114	< 10	76			
274108	201 202	980	< 1	1.33	56	640	8	273	0.23	92	< 10	160			
274109	201 202	505	< 1	0.82	76	820	12	140	0.23	117	< 10	96			
274110	201 202	355	< 1	2.59	64	460	12	545	0.18	76	< 10	74			

CERTIFICATION:

David Terry



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project : 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page : 4-A
Total Pages : 10
Certificate Date: 05-SEP-97
Invoice No. : 19739547
P.O. Number :
Account : GP W

CERTIFICATE OF ANALYSIS

A9739547

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
274111	201 202	< 5	< 0.2	4.55	1090	1.0	< 2	1.23	< 0.5	11	124	19	2.00	1.18	1.29
274112	201 202	< 5	< 0.2	6.07	1200	1.5	< 2	0.70	0.5	5	115	19	2.28	1.86	0.89
274113	201 202	< 5	< 0.2	5.97	1600	1.5	< 2	0.90	0.5	15	147	43	3.38	1.49	1.26
274114	201 202	< 5	< 0.2	5.34	1260	1.5	< 2	1.57	< 0.5	10	112	29	2.39	1.60	1.13
274115	201 202	< 5	< 0.2	6.01	1630	1.5	< 2	1.13	0.5	15	150	49	3.00	1.82	1.44
274116	201 202	< 5	< 0.2	5.65	1350	1.5	< 2	1.38	0.5	10	105	35	2.38	1.83	1.13
274117	201 202	< 5	< 0.2	4.87	980	1.0	< 2	0.33	< 0.5	3	58	8	1.66	1.46	0.51
274118	201 202	5	< 0.2	6.24	1500	1.5	< 2	0.79	< 0.5	14	130	38	2.90	2.00	1.28
274119	201 202	< 5	< 0.2	4.91	1180	1.0	< 2	1.10	< 0.5	11	114	22	2.00	1.45	1.18
274120	201 202	< 5	< 0.2	4.96	1300	1.5	< 2	0.97	0.5	8	114	36	1.81	1.49	1.05
274121	201 202	< 5	< 0.2	4.69	1280	1.0	< 2	1.71	1.0	11	95	42	2.36	1.30	0.98
274122	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
274123	201 202	< 5	< 0.2	4.87	1620	1.5	< 2	1.69	2.5	20	85	56	2.67	1.36	0.92
274124	201 202	< 5	< 0.2	6.22	980	1.0	< 2	1.86	< 0.5	5	44	35	1.68	1.81	0.67
274125	201 202	< 5	< 0.2	4.70	990	1.0	< 2	1.45	< 0.5	7	93	22	1.97	1.25	1.02
274126	201 202	< 5	< 0.2	5.82	1270	1.5	< 2	0.94	0.5	12	163	37	3.11	1.78	1.47
274127	201 202	< 5	0.4	5.80	1530	2.0	< 2	1.94	2.0	7	105	107	2.12	1.64	0.97
274128	201 202	< 5	< 0.2	4.68	1120	1.0	< 2	1.28	< 0.5	12	103	57	2.30	1.32	0.99
274129	201 202	< 5	< 0.2	5.84	1280	1.0	< 2	1.23	< 0.5	12	108	20	2.54	1.36	1.09
274130	201 202	< 5	< 0.2	4.33	1100	1.0	< 2	1.01	< 0.5	8	76	14	1.79	1.27	0.79
274131	201 202	< 5	< 0.2	6.83	1000	1.5	< 2	2.07	< 0.5	6	37	32	1.94	1.75	0.75
274132	201 202	< 5	< 0.2	4.88	930	0.5	< 2	0.52	< 0.5	4	58	14	2.27	1.44	0.50
274133	201 202	< 5	< 0.2	4.61	1050	1.0	< 2	1.81	0.5	8	75	45	1.81	1.26	0.83
274134	201 202	< 5	< 0.2	5.04	1090	1.0	< 2	1.88	0.5	9	114	49	2.37	1.38	1.17
274135	201 202	< 5	< 0.2	4.76	1070	1.0	< 2	1.62	0.5	8	94	47	2.03	1.33	0.97
274136	201 202	< 5	< 0.2	5.60	1250	1.5	< 2	1.37	0.5	9	88	40	2.81	1.32	0.96
274137	201 202	10	< 0.2	5.34	1200	1.0	< 2	1.59	1.0	18	111	37	3.86	1.47	1.10
274138	201 202	< 5	< 0.2	5.88	1440	1.5	< 2	0.92	< 0.5	20	265	41	3.09	1.73	1.62
274139	201 202	< 5	< 0.2	5.72	1320	1.5	< 2	1.33	0.5	16	124	48	3.27	1.43	1.33
274140	201 202	< 5	< 0.2	4.74	1040	0.5	< 2	0.63	< 0.5	13	152	8	2.61	1.43	1.12
274141	201 202	< 5	< 0.2	4.82	1060	0.5	< 2	0.59	< 0.5	9	85	16	2.37	1.11	0.73
274142	201 202	< 5	< 0.2	4.84	1150	0.5	< 2	0.82	< 0.5	9	100	10	1.60	1.50	0.82
274143	201 202	< 5	< 0.2	3.74	1100	0.5	< 2	2.93	0.5	12	113	108	2.11	0.80	1.19
274144	201 202	< 5	< 0.2	5.52	1180	0.5	< 2	1.13	< 0.5	18	279	23	3.30	1.20	1.81
274145	201 202	20	< 0.2	4.93	1290	0.5	< 2	1.48	< 0.5	27	376	54	3.49	1.13	3.20
274146	201 202	< 5	< 0.2	3.59	620	0.5	< 2	8.64	< 0.5	32	461	84	2.88	0.78	6.39
274147	201 202	< 5	< 0.2	5.96	830	0.5	< 2	1.97	0.5	26	343	19	3.05	1.49	3.12
274148	201 202	< 5	< 0.2	5.87	720	0.5	< 2	1.25	< 0.5	44	522	30	5.05	1.15	4.22
274149	201 202	< 5	< 0.2	5.97	800	0.5	< 2	1.22	< 0.5	32	370	22	3.39	1.34	3.01
274150	201 202	< 5	< 0.2	5.45	1130	1.0	< 2	1.76	< 0.5	22	217	33	2.77	1.44	2.04

CERTIFICATION:

David B. Miller



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project : 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page : 4-B
Total Pages : 10
Certificate Date: 05-SEP-97
Invoice No. : I9739547
P.O. Number :
Account : GP W

CERTIFICATE OF ANALYSIS

A9739547

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
274111	201 202	905	< 1	1.01	72	850	4	143	0.27	113	< 10	80			
274112	201 202	320	< 1	1.12	38	360	8	148	0.30	136	< 10	62			
274113	201 202	805	< 1	0.81	117	740	12	105	0.28	151	< 10	98			
274114	201 202	505	< 1	0.96	63	770	8	162	0.24	126	< 10	100			
274115	201 202	730	< 1	0.85	114	880	10	116	0.27	166	< 10	110			
274116	201 202	600	< 1	1.12	78	720	6	203	0.20	117	< 10	100			
274117	201 202	170	< 1	0.82	16	220	4	78	0.24	127	< 10	46			
274118	201 202	490	< 1	0.83	85	590	10	102	0.29	147	< 10	90			
274119	201 202	520	< 1	1.02	68	830	6	139	0.27	124	< 10	80			
274120	201 202	395	< 1	0.94	80	780	6	126	0.22	124	< 10	90			
274121	201 202	940	< 1	0.96	76	870	6	187	0.19	111	< 10	104			
274122	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed			
274123	201 202	9140	5	0.86	139	900	4	193	0.17	102	< 10	90			
274124	201 202	410	2	2.29	31	750	4	451	0.19	56	< 10	60			
274125	201 202	340	< 1	1.01	44	950	4	157	0.28	118	< 10	90			
274126	201 202	330	1	0.95	85	840	6	104	0.30	147	< 10	104			
274127	201 202	390	1	0.91	128	950	12	217	0.19	132	< 10	110			
274128	201 202	715	1	0.75	54	810	8	129	0.21	133	< 10	78			
274129	201 202	535	< 1	1.05	46	530	6	147	0.30	148	< 10	68			
274130	201 202	445	< 1	0.88	33	620	6	132	0.23	119	< 10	56			
274131	201 202	490	1	2.43	38	770	4	551	0.20	70	< 10	68			
274132	201 202	295	1	0.98	18	450	6	132	0.25	140	< 10	76			
274133	201 202	640	< 1	1.02	46	1030	4	215	0.21	108	< 10	84			
274134	201 202	375	< 1	0.95	63	950	4	160	0.29	131	< 10	94			
274135	201 202	340	< 1	0.91	58	990	8	162	0.23	116	< 10	102			
274136	201 202	1260	< 1	1.42	57	880	4	257	0.25	115	< 10	88			
274137	201 202	910	1	1.10	96	930	6	228	0.22	124	< 10	118			
274138	201 202	355	< 1	0.81	201	790	6	100	0.32	170	< 10	122			
274139	201 202	525	< 1	1.13	72	850	6	160	0.35	151	< 10	94			
274140	201 202	500	< 1	0.76	53	390	4	81	0.27	160	< 10	154			
274141	201 202	255	2	0.74	49	220	6	86	0.25	143	< 10	68			
274142	201 202	360	< 1	1.02	45	300	6	124	0.26	115	< 10	112			
274143	201 202	810	< 1	0.58	101	1060	< 2	189	0.16	102	< 10	80			
274144	201 202	580	< 1	0.95	106	200	< 2	128	0.34	145	< 10	78			
274145	201 202	840	< 1	0.69	286	490	< 2	134	0.25	132	< 10	88			
274146	201 202	505	< 1	0.57	552	440	< 2	319	0.21	104	< 10	82			
274147	201 202	845	< 1	1.76	168	290	< 2	302	0.25	91	< 10	94			
274148	201 202	1170	< 1	1.22	464	200	< 2	209	0.29	133	< 10	72			
274149	201 202	585	< 1	1.61	242	230	8	275	0.28	98	< 10	54			
274150	201 202	710	< 1	0.96	171	590	6	192	0.17	91	< 10	58			

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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page per :5-A
Total Pages :10
Certificate Date: 05-SEP-97
Invoice No. :19739547
P.O. Number :
Account :GPW

CERTIFICATE OF ANALYSIS

A9739547

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
274151	201 202	< 5	< 0.2	6.36	1300	1.0	< 2	0.87	< 0.5	21	279	15	3.58	1.40	2.19
274152	201 202	< 5	< 0.2	4.73	1520	0.5	< 2	1.72	1.0	24	246	39	3.07	1.09	1.58
274153	201 202	< 5	< 0.2	2.65	720	0.5	< 2	3.60	0.5	12	78	42	1.29	0.65	0.79
274154	201 202	< 5	< 0.2	6.44	840	1.0	< 2	2.13	< 0.5	4	20	29	1.41	1.91	0.58
274155	201 202	< 5	< 0.2	1.31	290	< 0.5	< 2	2.42	< 0.5	< 1	9	14	0.41	0.32	0.22
274156	201 202	< 5	< 0.2	6.81	820	1.0	< 2	1.78	< 0.5	2	4	20	1.27	2.14	0.47
274158	201 202	< 5	< 0.2	5.88	1500	2.0	< 2	0.99	0.5	16	154	41	3.13	1.91	1.65
274159	201 202	< 5	< 0.2	5.75	1630	2.0	< 2	1.41	0.5	12	119	44	2.94	1.96	1.76
274160	201 202	5	< 0.2	5.67	1540	1.5	< 2	1.05	0.5	12	158	39	2.87	1.77	1.64
274162	201 202	10	< 0.2	5.81	1260	1.5	< 2	1.39	< 0.5	22	251	42	2.94	1.80	2.29
274163	201 202	< 5	< 0.2	4.92	1370	1.5	< 2	1.34	0.5	12	119	37	2.51	1.51	1.30
274164	201 202	< 5	< 0.2	4.60	850	0.5	< 2	1.25	< 0.5	20	317	13	3.07	1.00	2.43
274165	201 202	< 5	< 0.2	4.67	910	0.5	< 2	1.32	< 0.5	25	357	25	3.41	0.94	2.90
274166	201 202	< 5	< 0.2	4.22	690	0.5	< 2	0.90	< 0.5	7	166	7	2.34	1.00	1.06
274167	201 202	< 5	< 0.2	4.56	730	0.5	< 2	2.67	< 0.5	7	67	43	1.59	1.22	1.00
274168	201 202	< 5	< 0.2	5.06	1390	1.0	< 2	0.87	< 0.5	18	276	39	2.94	1.40	2.70
274169	201 202	< 5	< 0.2	5.69	1020	0.5	< 2	0.34	< 0.5	4	109	15	2.22	1.48	0.67
274170	201 202	5	< 0.2	5.18	900	1.0	< 2	0.53	< 0.5	6	87	17	2.78	1.17	0.80
274171	201 202	< 5	< 0.2	6.54	810	0.5	< 2	1.13	< 0.5	7	85	17	2.82	1.56	0.92
274172	201 202	< 5	< 0.2	5.67	1040	1.0	< 2	0.45	< 0.5	11	133	34	3.79	1.03	0.92
274173	201 202	< 5	< 0.2	7.50	1040	1.0	< 2	1.65	< 0.5	5	52	34	2.16	2.09	0.87
274175	201 202	< 5	< 0.2	5.47	1050	1.0	< 2	0.68	< 0.5	14	149	17	3.19	1.30	1.37
274176	201 202	< 5	< 0.2	5.32	830	1.0	< 2	2.01	< 0.5	7	48	36	1.72	1.44	0.74
274177	201 202	< 5	< 0.2	6.84	1380	1.5	< 2	0.87	< 0.5	11	114	21	3.35	1.78	1.62
274178	201 202	10	< 0.2	7.50	1330	1.5	< 2	0.58	< 0.5	15	128	21	3.71	2.09	1.70
274179	201 202	5	< 0.2	7.37	1330	1.5	< 2	0.67	< 0.5	11	129	20	3.66	2.18	1.86
274180	201 202	< 5	< 0.2	7.43	1400	1.5	< 2	0.76	< 0.5	9	120	25	3.10	2.20	1.56
274181	201 202	5	< 0.2	6.21	860	0.5	< 2	0.87	< 0.5	20	242	13	3.98	1.59	1.11
274182	201 202	< 5	< 0.2	6.90	630	1.0	< 2	2.23	< 0.5	16	97	70	5.23	1.58	1.55
274183	201 202	< 5	< 0.2	5.98	1000	1.0	< 2	1.63	< 0.5	15	137	27	3.30	1.47	1.40
274184	201 202	< 5	< 0.2	5.62	870	0.5	< 2	0.79	< 0.5	7	111	15	3.09	1.26	0.92
274185	201 202	< 5	< 0.2	5.02	1250	1.5	< 2	1.74	< 0.5	11	127	58	2.39	1.46	1.24
274186	201 202	< 5	< 0.2	4.23	850	0.5	< 2	2.66	< 0.5	3	24	33	1.24	1.13	0.57
274187	201 202	< 5	< 0.2	6.50	1100	1.5	< 2	1.84	< 0.5	10	79	37	2.48	1.76	1.11
274188	201 202	< 5	< 0.2	6.15	1240	1.5	< 2	0.94	< 0.5	10	145	27	2.92	1.78	1.41
274189	201 202	< 5	< 0.2	6.76	1110	1.0	< 2	2.08	< 0.5	5	35	36	1.96	1.84	0.74
274190	201 202	< 5	< 0.2	5.36	1130	1.0	< 2	1.02	< 0.5	12	131	27	2.53	1.58	1.35
274191	201 202	< 5	< 0.2	5.32	820	0.5	< 2	0.81	0.5	3	70	10	1.48	1.46	0.62
274192	201 202	< 5	< 0.2	5.79	1080	1.5	< 2	0.54	< 0.5	16	160	42	3.13	1.40	1.19
274193	201 202	< 5	< 0.2	4.21	1070	1.0	< 2	1.00	< 0.5	9	105	26	2.17	1.21	1.09

CERTIFICATION:

David Terry



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page: 5-B
Total Pages: 10
Certificate Date: 05-SEP-97
Invoice No.: 19739547
P.O. Number:
Account: GP W

CERTIFICATE OF ANALYSIS

A9739547

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
274151	201 202	505	< 1	0.96	138	130	6	108	0.30	126	< 10	60			
274152	201 202	1060	< 1	0.98	151	710	14	207	0.20	87	< 10	170			
274153	201 202	935	< 1	0.70	196	790	4	261	0.09	33	< 10	38			
274154	201 202	400	2	2.54	37	610	4	508	0.16	31	< 10	48			
274155	201 202	90	2	0.42	17	370	< 2	223	0.05	14	< 10	12			
274156	201 202	335	< 1	2.88	4	310	4	540	0.15	22	< 10	44			
274158	201 202	530	1	1.00	120	860	12	111	0.30	158	< 10	122			
274159	201 202	510	2	0.80	91	890	12	106	0.25	174	< 10	136			
274160	201 202	570	< 1	0.84	117	850	12	105	0.24	160	< 10	114			
274162	201 202	335	< 1	0.71	198	740	12	125	0.23	142	< 10	108			
274163	201 202	995	1	0.69	89	720	12	128	0.20	145	< 10	102			
274164	201 202	505	1	0.81	141	140	< 2	83	0.26	133	< 10	44			
274165	201 202	540	< 1	0.84	203	410	4	83	0.36	150	< 10	66			
274166	201 202	335	< 1	0.90	42	230	4	98	0.33	141	< 10	52			
274167	201 202	450	< 1	1.27	73	660	< 2	289	0.14	65	< 10	72			
274168	201 202	580	< 1	0.81	271	420	6	123	0.25	129	< 10	76			
274169	201 202	265	< 1	0.52	23	300	6	58	0.29	143	< 10	58			
274170	201 202	350	< 1	0.94	32	260	6	132	0.27	126	< 10	58			
274171	201 202	530	< 1	1.68	24	440	6	313	0.43	136	< 10	82			
274172	201 202	490	< 1	0.70	39	250	6	92	0.40	163	< 10	92			
274173	201 202	410	< 1	2.46	20	380	6	458	0.26	81	< 10	64			
274175	201 202	425	< 1	0.89	75	230	8	85	0.29	136	< 10	82			
274176	201 202	365	< 1	1.52	24	760	6	297	0.17	66	< 10	46			
274177	201 202	435	< 1	1.10	51	260	10	176	0.27	137	< 10	78			
274178	201 202	500	1	1.09	53	180	8	137	0.27	142	< 10	74			
274179	201 202	395	< 1	1.11	46	420	8	123	0.25	137	< 10	78			
274180	201 202	395	1	1.26	50	440	6	157	0.23	126	< 10	94			
274181	201 202	660	< 1	1.41	97	380	10	197	0.32	126	< 10	90			
274182	201 202	680	< 1	2.31	48	550	< 2	423	0.43	158	< 10	78			
274183	201 202	780	< 1	1.33	52	810	6	172	0.38	157	< 10	82			
274184	201 202	350	< 1	1.10	37	300	8	137	0.32	140	< 10	68			
274185	201 202	635	< 1	0.67	122	1140	8	134	0.20	94	< 10	78			
274186	201 202	355	< 1	1.33	47	740	6	333	0.12	37	< 10	36			
274187	201 202	705	< 1	1.64	64	770	6	331	0.22	92	< 10	86			
274188	201 202	435	< 1	1.00	74	410	10	136	0.27	127	< 10	90			
274189	201 202	350	< 1	2.19	46	510	6	472	0.17	57	< 10	60			
274190	201 202	540	< 1	1.10	75	460	8	150	0.27	127	< 10	64			
274191	201 202	250	< 1	1.45	17	170	6	204	0.27	96	< 10	58			
274192	201 202	420	< 1	0.79	98	330	18	77	0.28	148	< 10	68			
274193	201 202	485	< 1	0.59	59	460	14	82	0.18	107	< 10	76			

CERTIFICATION:

David Terry



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page Number: 6-A
Total Pages: 10
Certificate Date: 05-SEP-97
Invoice No.: I9739547
P.O. Number:
Account: GP W

CERTIFICATE OF ANALYSIS

A9739547

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
274194	201 202	< 5	< 0.2	7.25	910	1.0	< 2	2.37	< 0.5	5	24	32	1.81	1.68	0.87
274195	201 202	10	< 0.2	5.68	1390	1.5	< 2	1.01	< 0.5	17	164	50	3.32	1.85	1.85
274196	201 202	10	< 0.2	5.06	1080	1.5	< 2	1.48	< 0.5	14	219	92	3.22	1.71	2.13
274197	201 202	10	< 0.2	6.11	1550	2.0	< 2	1.25	0.5	14	94	90	3.86	1.91	1.42
274198	201 202	< 5	< 0.2	5.70	1340	1.5	< 2	1.17	< 0.5	12	112	28	3.19	1.83	1.44
274200	201 202	5	< 0.2	5.45	1330	1.5	< 2	1.37	< 0.5	16	176	32	3.20	1.66	1.52
274201	201 202	< 5	< 0.2	4.83	1270	1.0	< 2	1.04	0.5	22	212	27	2.86	1.67	2.22
274202	201 202	< 5	< 0.2	5.46	1280	1.5	< 2	1.59	< 0.5	20	216	41	2.81	1.73	1.97
274203	201 202	< 5	< 0.2	7.12	940	1.5	< 2	1.74	< 0.5	11	84	92	2.14	2.04	1.03
274204	201 202	< 5	< 0.2	7.99	1280	2.0	< 2	0.86	< 0.5	8	127	70	3.23	2.47	1.00
274205	201 202	< 5	< 0.2	6.18	1570	1.5	< 2	1.36	< 0.5	16	349	45	3.25	1.53	2.25
274206	201 202	< 5	< 0.2	5.46	1020	0.5	< 2	1.39	< 0.5	17	311	24	2.94	1.30	2.51
274207	201 202	< 5	< 0.2	4.06	930	0.5	< 2	1.77	< 0.5	14	258	27	2.15	1.01	2.26
274208	201 202	< 5	< 0.2	5.24	1080	1.0	< 2	2.09	0.5	8	75	60	2.12	1.37	1.10
274210	201 202	< 5	< 0.2	5.96	1250	1.5	< 2	1.38	< 0.5	20	298	38	3.49	1.52	2.72
274211	201 202	< 5	< 0.2	4.73	750	0.5	< 2	1.62	< 0.5	28	495	20	3.20	1.25	5.18
274213	201 202	< 5	< 0.2	6.28	1420	1.5	< 2	1.13	0.5	16	134	52	3.66	2.06	1.73
274214	201 202	< 5	< 0.2	6.01	940	2.0	< 2	1.68	< 0.5	14	110	37	3.09	2.15	1.36
274215	201 202	< 5	< 0.2	5.34	1180	1.5	< 2	1.02	0.5	10	101	34	2.78	1.59	1.25
274216	201 202	< 5	< 0.2	5.83	1160	1.5	< 2	1.00	< 0.5	13	132	36	3.23	1.71	1.21
274217	201 202	< 5	< 0.2	8.61	1120	2.5	< 2	0.54	< 0.5	13	90	44	3.90	3.21	1.14
274218	201 202	< 5	< 0.2	5.48	1070	1.0	< 2	1.33	0.5	12	115	29	2.60	1.59	1.28
274220	201 202	< 5	< 0.2	4.85	980	1.0	< 2	1.78	0.5	12	91	34	2.48	1.39	1.10
274221	201 202	< 5	< 0.2	5.57	890	1.0	< 2	2.03	1.0	10	53	44	2.09	1.53	0.80
274222	201 202	< 5	< 0.2	5.72	1140	1.5	< 2	1.52	0.5	12	126	36	2.68	1.64	1.27
274223	201 202	< 5	< 0.2	5.06	960	1.0	< 2	1.34	0.5	10	148	18	2.46	1.42	1.30
274224	201 202	< 5	< 0.2	6.45	1240	1.5	< 2	1.12	0.5	14	174	36	3.56	1.82	1.65
274225	201 202	< 5	< 0.2	5.65	1120	1.5	< 2	1.84	< 0.5	12	98	38	2.56	1.33	1.11
274226	201 202	< 5	< 0.2	5.36	1060	1.0	< 2	1.35	< 0.5	10	106	29	2.43	1.53	1.17
274227	201 202	10	< 0.2	6.01	1180	1.5	< 2	0.82	< 0.5	11	124	20	2.76	1.85	1.39
274228	201 202	< 5	< 0.2	5.11	1090	1.0	< 2	1.52	< 0.5	11	93	28	2.26	1.40	1.04
274229	201 202	< 5	< 0.2	5.91	1290	1.5	< 2	1.24	< 0.5	16	161	45	3.38	1.59	1.81
274230	201 202	< 5	< 0.2	5.09	1220	1.5	< 2	1.90	1.0	12	112	120	2.35	1.48	1.12
274231	201 202	< 5	< 0.2	5.52	1120	1.5	< 2	1.25	< 0.5	11	117	37	2.55	1.71	1.26
274232	201 202	< 5	< 0.2	5.13	1070	1.0	< 2	1.08	< 0.5	10	126	26	2.43	1.50	1.22
274233	201 202	< 5	< 0.2	5.69	1140	1.5	< 2	1.43	< 0.5	10	90	38	2.52	1.63	1.12
274234	201 202	< 5	< 0.2	5.57	1100	1.0	< 2	1.40	0.5	12	122	52	2.55	1.66	1.27
274235	201 202	< 5	< 0.2	5.50	1230	1.5	< 2	1.21	0.5	11	120	58	3.09	1.77	1.25
274236	201 202	< 5	< 0.2	5.52	1350	1.0	< 2	0.56	< 0.5	7	120	15	2.29	1.74	0.97
274237	201 202	< 5	< 0.2	6.01	1220	1.0	< 2	1.01	< 0.5	23	180	49	3.81	1.55	2.15

CERTIFICATION:

David Terry



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page: 6-B
Total Pages: 10
Certificate Date: 05-SEP-97
Invoice No.: I9739547
P.O. Number:
Account: GP W

CERTIFICATE OF ANALYSIS

A9739547

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
274194	201 202	1180	< 1	2.78	30	740	6	652	0.22	52	< 10	62			
274195	201 202	780	2	0.75	122	900	10	181	0.27	172	< 10	114			
274196	201 202	740	< 1	0.73	124	820	10	204	0.25	124	< 10	100			
274197	201 202	655	4	0.85	77	940	12	231	0.24	162	< 10	142			
274198	201 202	495	2	0.93	54	710	8	258	0.27	126	< 10	80			
274200	201 202	1325	1	0.85	96	890	12	167	0.22	119	< 10	100			
274201	201 202	2630	1	0.68	136	820	8	126	0.22	115	< 10	106			
274202	201 202	4560	3	0.96	241	870	10	220	0.21	108	< 10	100			
274203	201 202	905	< 1	2.38	58	550	12	481	0.22	78	< 10	90			
274204	201 202	565	1	1.42	39	700	12	259	0.29	173	< 10	90			
274205	201 202	570	< 1	1.30	151	440	8	217	0.26	146	< 10	82			
274206	201 202	530	< 1	1.12	132	390	6	173	0.28	131	< 10	78			
274207	201 202	625	< 1	0.65	148	590	6	141	0.20	95	< 10	40			
274208	201 202	1205	1	1.26	128	860	6	306	0.15	88	< 10	52			
274210	201 202	635	1	1.09	212	590	10	181	0.24	145	< 10	76			
274211	201 202	550	< 1	0.92	329	630	6	142	0.21	106	< 10	58			
274213	201 202	730	1	0.92	79	880	12	168	0.32	149	< 10	118			
274214	201 202	570	< 1	0.74	73	800	18	131	0.21	103	< 10	72			
274215	201 202	530	< 1	0.92	70	800	14	132	0.20	121	< 10	78			
274216	201 202	625	< 1	0.96	74	850	14	132	0.25	126	< 10	100			
274217	201 202	695	< 1	1.14	48	620	30	146	0.25	119	< 10	104			
274218	201 202	1090	< 1	0.96	78	780	10	165	0.23	114	< 10	104			
274220	201 202	1530	< 1	0.88	73	860	10	206	0.17	91	< 10	94			
274221	201 202	1035	< 1	1.60	63	930	8	362	0.16	68	< 10	86			
274222	201 202	1100	< 1	0.94	80	800	12	172	0.21	116	< 10	104			
274223	201 202	540	< 1	1.01	60	940	8	153	0.34	117	< 10	82			
274224	201 202	455	< 1	0.94	82	780	12	108	0.31	154	< 10	116			
274225	201 202	1415	< 1	1.15	68	780	8	225	0.20	97	< 10	88			
274226	201 202	810	< 1	1.02	61	830	10	177	0.21	100	< 10	82			
274227	201 202	425	< 1	1.08	55	820	8	137	0.27	114	< 10	76			
274228	201 202	740	< 1	1.09	61	630	8	200	0.21	97	< 10	86			
274229	201 202	460	< 1	1.03	108	900	10	139	0.42	154	< 10	108			
274230	201 202	895	< 1	0.68	88	910	16	134	0.18	116	< 10	120			
274231	201 202	670	< 1	0.86	79	690	12	132	0.23	117	< 10	92			
274232	201 202	435	< 1	0.80	62	710	10	111	0.22	121	< 10	80			
274233	201 202	525	< 1	1.18	64	540	12	193	0.23	104	< 10	78			
274234	201 202	665	< 1	0.94	81	770	8	147	0.25	117	< 10	102			
274235	201 202	425	< 1	0.69	90	780	10	88	0.20	127	< 10	102			
274236	201 202	320	< 1	0.92	41	320	6	116	0.30	156	< 10	66			
274237	201 202	830	< 1	1.10	143	590	6	127	0.43	160	< 10	88			

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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page per :7-A
Total Pages :10
Certificate Date:05-SEP-97
Invoice No. :I9739547
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9739547

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
274238	201 202	< 5	< 0.2	5.86	1330	1.5	< 2	1.13	< 0.5	15	130	33	3.07	1.57	1.33
274239	201 202	< 5	< 0.2	6.45	1170	1.5	2	1.06	< 0.5	13	122	47	3.50	1.43	1.29
274240	201 202	< 5	< 0.2	6.69	1010	1.0	2	1.12	< 0.5	5	64	19	2.18	1.84	0.68
274241	201 202	< 5	< 0.2	6.34	1080	1.0	2	0.82	< 0.5	6	83	17	2.21	1.94	0.78
274242	201 202	< 5	0.4	4.41	1100	1.0	2	2.24	< 0.5	10	83	150	2.31	0.89	0.76
274243	201 202	< 5	< 0.2	7.75	1180	1.0	2	0.68	2.0	18	184	94	3.76	1.53	1.91
274244	201 202	< 5	< 0.2	6.15	1010	1.0	< 2	1.10	< 0.5	4	149	18	1.97	1.41	0.76
274245	201 202	< 5	< 0.2	5.11	1240	1.0	< 2	1.73	0.5	18	126	65	3.13	1.04	0.93
274246	201 202	< 5	< 0.2	5.94	1670	1.5	< 2	1.07	< 0.5	14	120	47	2.87	1.31	1.01
274247	201 202	< 5	< 0.2	5.45	820	0.5	2	0.67	< 0.5	3	74	10	2.06	1.29	0.56
274248	201 202	< 5	< 0.2	6.57	1020	1.0	< 2	1.51	< 0.5	7	55	30	2.37	1.62	0.79
274249	201 202	< 5	< 0.2	5.79	1010	1.0	< 2	0.92	< 0.5	13	115	23	3.44	1.09	1.10
274250	201 202	< 5	< 0.2	6.25	910	1.0	< 2	1.17	1.0	3	45	27	1.57	1.53	0.48
274251	201 202	< 5	< 0.2	5.02	760	0.5	< 2	2.56	< 0.5	5	44	51	1.61	1.31	0.73
274252	201 202	10	< 0.2	5.11	1120	1.0	2	0.68	0.5	11	146	18	2.95	1.40	1.21
274253	201 202	< 5	< 0.2	6.93	1420	1.5	< 2	1.54	< 0.5	12	141	57	3.08	1.94	1.64
274254	201 202	15	< 0.2	6.82	1370	1.5	2	0.73	< 0.5	16	141	81	3.48	1.92	1.23
274255	201 202	< 5	< 0.2	4.98	1070	1.0	< 2	1.72	0.5	11	125	88	2.45	1.33	0.95
274256	201 202	< 5	< 0.2	5.88	1370	1.5	< 2	1.24	< 0.5	10	154	32	2.46	1.66	1.47
274257	201 202	20	< 0.2	4.84	1160	1.0	< 2	1.73	0.5	13	100	28	2.06	1.19	1.08
274258	201 202	< 5	< 0.2	5.24	1010	0.5	< 2	0.49	< 0.5	5	103	10	2.66	1.42	0.82
274259	201 202	5	< 0.2	5.46	1290	1.5	< 2	1.32	< 0.5	12	232	57	2.53	1.40	1.85
274260	201 202	< 5	< 0.2	4.98	1290	1.0	< 2	1.69	< 0.5	8	117	17	2.53	1.23	1.07
274261	201 202	< 5	< 0.2	5.80	1050	1.0	< 2	0.78	< 0.5	4	115	14	2.04	1.40	0.80
274262	201 202	< 5	< 0.2	5.83	930	0.5	< 2	0.92	< 0.5	5	75	20	1.97	1.52	0.62
274263	201 202	< 5	< 0.2	5.05	1170	1.0	2	1.99	0.5	7	75	52	2.11	1.30	0.81
274264	201 202	< 5	< 0.2	5.48	1120	1.0	2	1.23	< 0.5	12	120	19	2.81	1.44	1.21
274265	201 202	< 5	< 0.2	4.69	740	0.5	< 2	2.49	1.0	7	35	30	1.69	1.10	0.59
274266	201 202	< 5	< 0.2	6.64	940	1.0	< 2	1.35	< 0.5	11	103	21	3.31	1.59	1.06
274267	201 202	< 5	< 0.2	5.50	970	1.0	< 2	0.76	< 0.5	6	86	9	2.38	1.60	0.76
274268	201 202	< 5	< 0.2	5.73	1260	1.5	2	0.59	< 0.5	9	85	30	3.43	1.23	0.82
274269	201 202	< 5	< 0.2	5.84	1230	1.0	2	0.74	< 0.5	13	82	26	3.09	1.38	1.09
274270	201 202	< 5	< 0.2	6.65	890	1.0	< 2	1.22	< 0.5	4	34	18	1.98	1.78	0.55
274271	201 202	< 5	< 0.2	4.92	870	0.5	< 2	0.41	< 0.5	4	53	15	2.80	1.13	0.54
274272	201 202	< 5	< 0.2	6.74	900	1.0	< 2	1.52	1.0	7	30	17	1.91	1.87	0.61
274273	201 202	< 5	< 0.2	6.43	910	0.5	< 2	1.40	1.0	20	75	27	3.72	1.33	1.17
274274	201 202	< 5	< 0.2	7.15	800	0.5	< 2	1.55	< 0.5	6	47	22	2.57	1.66	0.63
274275	201 202	< 5	< 0.2	5.65	670	0.5	< 2	0.95	< 0.5	3	59	13	2.05	1.19	0.56
274276	201 202	< 5	< 0.2	6.32	870	1.0	< 2	0.91	< 0.5	6	39	14	2.00	1.69	0.46
274277	201 202	< 5	< 0.2	4.58	1380	1.0	< 2	1.98	1.5	12	102	43	2.65	1.21	1.07

CERTIFICATION:

David Terry



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page per :7-B
Total Pages :10
Certificate Date: 05-SEP-97
Invoice No. :19739547
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS

A9739547

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
274238	201 202	555	< 1	0.82	72	850	10	93	0.30	149	< 10	92			
274239	201 202	455	< 1	1.05	63	700	10	131	0.40	155	< 10	76			
274240	201 202	305	< 1	1.66	20	320	6	257	0.30	118	< 10	66			
274241	201 202	320	< 1	1.21	24	270	4	160	0.43	134	< 10	58			
274242	201 202	1585	< 1	0.60	60	1950	6	108	0.20	93	< 10	54			
274243	201 202	610	< 1	0.79	82	580	14	116	0.27	274	< 10	116			
274244	201 202	295	< 1	1.37	24	490	4	171	0.39	139	< 10	48			
274245	201 202	1515	< 1	0.76	86	1440	12	144	0.19	115	< 10	106			
274246	201 202	935	< 1	0.84	72	1230	10	117	0.25	144	< 10	98			
274247	201 202	250	< 1	1.03	18	420	8	130	0.37	133	< 10	44			
274248	201 202	435	< 1	1.68	27	990	6	266	0.28	97	< 10	56			
274249	201 202	400	< 1	0.88	55	310	8	100	0.40	158	< 10	66			
274250	201 202	280	< 1	1.84	12	770	6	281	0.26	75	< 10	54			
274251	201 202	375	< 1	1.39	36	570	4	240	0.17	51	< 10	52			
274252	201 202	315	< 1	0.71	80	510	8	69	0.31	159	< 10	92			
274253	201 202	520	< 1	0.81	97	710	8	102	0.25	139	< 10	100			
274254	201 202	645	< 1	0.68	80	700	14	61	0.29	140	< 10	96			
274255	201 202	575	< 1	0.66	75	800	10	102	0.19	118	< 10	60			
274256	201 202	360	< 1	0.70	84	820	12	71	0.23	136	< 10	96			
274257	201 202	1575	< 1	0.82	87	880	12	132	0.20	93	< 10	88			
274258	201 202	270	< 1	0.68	30	200	10	61	0.30	140	< 10	74			
274259	201 202	445	< 1	0.54	225	820	8	70	0.21	138	< 10	88			
274260	201 202	305	< 1	0.69	42	1120	8	84	0.24	112	< 10	66			
274261	201 202	275	< 1	0.97	25	470	6	107	0.32	125	< 10	60			
274262	201 202	330	< 1	1.33	22	780	8	178	0.25	95	< 10	50			
274263	201 202	460	< 1	0.82	45	960	6	131	0.24	100	< 10	68			
274264	201 202	430	< 1	0.83	55	830	4	96	0.36	138	< 10	72			
274265	201 202	685	< 1	1.18	20	930	4	208	0.19	56	< 10	52			
274266	201 202	445	< 1	1.29	49	740	6	167	0.48	145	< 10	76			
274267	201 202	370	< 1	1.00	22	470	20	101	0.33	128	< 10	56			
274268	201 202	375	< 1	0.77	32	450	12	67	0.32	150	< 10	72			
274269	201 202	525	< 1	0.85	35	420	6	82	0.40	158	< 10	68			
274270	201 202	345	< 1	1.83	8	570	6	253	0.29	95	< 10	56			
274271	201 202	230	< 1	0.72	18	480	8	74	0.30	143	< 10	72			
274272	201 202	695	< 1	2.03	8	560	6	302	0.29	70	< 10	68			
274273	201 202	1170	< 1	1.46	31	890	12	177	0.37	139	< 10	92			
274274	201 202	410	< 1	1.97	15	300	6	283	0.33	107	< 10	54			
274275	201 202	260	< 1	1.17	15	220	8	161	0.37	131	< 10	86			
274276	201 202	705	< 1	1.44	9	630	8	183	0.23	95	< 10	122			
274277	201 202	1815	< 1	0.59	90	960	10	96	0.19	120	< 10	108			

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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page per :8-A
Total Pages :10
Certificate Date: 05-SEP-97
Invoice No. :19739547
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A973954

SAMPL	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
274278	201 202	< 5	< 0.2	5.29	1150	1.0	2	2.17	0.5	7	54	47	1.84	1.39	0.60
274279	201 202	< 5	< 0.2	4.86	1160	1.0	< 2	1.58	0.5	9	116	29	2.04	1.26	1.11
274280	201 202	< 5	< 0.2	4.70	1210	1.0	< 2	1.53	0.5	14	155	27	2.37	1.28	1.38
274281	201 202	< 5	< 0.2	5.26	1430	1.5	< 2	1.73	3.5	14	128	39	2.57	1.51	1.26
274282	201 202	< 5	< 0.2	4.84	1190	1.0	< 2	1.21	< 0.5	11	129	17	2.29	1.38	1.31
274283	201 202	< 5	< 0.2	5.11	1210	1.0	< 2	1.42	0.5	8	91	26	2.22	1.39	1.10
274284	201 202	< 5	< 0.2	4.71	1040	1.0	< 2	2.18	1.5	9	88	31	2.14	1.29	1.01
274285	201 202	< 5	< 0.2	4.38	1020	1.0	< 2	2.51	1.5	8	74	33	1.91	1.19	1.02
274286	201 202	< 5	< 0.2	5.31	860	0.5	< 2	0.62	< 0.5	11	147	15	3.23	1.29	1.20
274287	201 202	< 5	< 0.2	6.60	1480	1.5	< 2	1.59	< 0.5	18	168	37	3.51	1.72	1.48
274288	201 202	< 5	< 0.2	6.17	1600	1.5	< 2	0.99	< 0.5	12	142	33	3.29	1.68	1.33
274289	201 202	< 5	< 0.2	5.66	1050	1.0	< 2	0.62	< 0.5	3	96	9	1.42	1.43	0.68
274290	201 202	< 5	< 0.2	7.00	940	1.0	< 2	0.49	1.0	12	142	21	4.80	1.73	1.25
274291	201 202	15	< 0.2	5.84	1440	1.5	2	1.24	0.5	9	83	35	2.57	1.65	0.98
274292	201 202	< 5	< 0.2	6.39	1030	1.0	< 2	0.98	< 0.5	18	146	35	6.07	1.08	1.12
274293	201 202	< 5	< 0.2	6.08	1150	1.0	2	0.89	< 0.5	9	92	19	2.65	1.49	0.97
274294	201 202	< 5	< 0.2	6.82	1330	1.5	< 2	1.29	0.5	9	49	53	2.29	1.73	0.69
274295	201 202	< 5	< 0.2	5.36	970	1.0	< 2	2.21	0.5	8	65	46	2.09	1.31	0.85
274296	201 202	< 5	< 0.2	4.99	970	1.0	< 2	1.99	0.5	8	56	31	1.88	1.28	0.72
274297	201 202	75	< 0.2	5.21	1040	0.5	< 2	0.96	1.5	3	43	14	1.29	1.41	0.50
274298	201 202	< 5	< 0.2	4.70	1010	1.0	< 2	1.96	1.0	8	72	41	2.13	1.20	0.89
274299	201 202	< 5	< 0.2	5.30	1570	1.5	< 2	1.91	1.5	12	94	73	2.50	1.40	0.92
274300	201 202	< 5	< 0.2	4.34	1200	1.0	< 2	2.43	1.5	10	79	64	1.85	1.15	0.72
274301	201 202	< 5	< 0.2	4.75	1150	1.0	< 2	1.66	< 0.5	9	80	32	2.09	1.24	0.87
274302	201 202	< 5	< 0.2	5.75	960	0.5	< 2	0.86	0.5	15	195	22	3.39	1.22	1.53
274303	201 202	< 5	< 0.2	3.67	940	0.5	< 2	2.88	2.0	6	50	74	1.60	0.96	0.62
274304	201 202	< 5	< 0.2	4.72	1050	0.5	< 2	0.26	0.5	4	53	11	2.12	1.35	0.49
274305	201 202	< 5	< 0.2	7.00	790	1.0	< 2	1.56	< 0.5	4	15	13	1.82	1.90	0.56
274306	201 202	< 5	< 0.2	5.24	1050	1.0	< 2	2.22	< 0.5	8	60	64	2.05	1.30	0.75
274307	201 202	< 5	< 0.2	5.28	1390	1.5	< 2	1.23	0.5	11	100	39	2.50	1.72	1.29
274308	201 202	< 5	< 0.2	6.81	1340	1.5	2	1.96	0.5	7	62	101	2.73	1.83	0.92
274309	201 202	< 5	< 0.2	4.77	1050	1.0	< 2	2.83	0.5	8	57	71	1.97	1.27	0.85
274310	201 202	< 5	< 0.2	6.39	1190	1.0	2	1.31	< 0.5	14	94	31	2.94	1.69	1.30
274311	201 202	< 5	< 0.2	5.87	1350	1.5	< 2	2.47	< 0.5	8	85	64	2.58	1.63	1.07
274312	201 202	< 5	< 0.2	6.05	1260	0.5	2	1.57	2.0	14	68	33	3.39	1.36	0.77
274313	201 202	< 5	< 0.2	7.30	1460	1.0	< 2	1.24	< 0.5	7	44	22	2.27	2.15	0.77
274314	201 202	< 5	< 0.2	5.94	960	1.0	< 2	2.42	< 0.5	5	22	39	1.57	1.70	0.56
274315	201 202	< 5	< 0.2	6.86	1070	1.0	2	1.15	< 0.5	3	52	17	1.69	2.06	0.58
274316	201 202	< 5	< 0.2	6.84	770	0.5	< 2	2.65	< 0.5	4	8	17	1.73	1.81	0.71
274317	201 202	< 5	< 0.2	7.61	1310	1.5	2	0.94	< 0.5	13	99	39	3.76	2.46	0.92

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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project : 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page : 8-B
Total : 10
Certificate Date: 05-SEP-97
Invoice No. : 19739547
P.O. Number :
Account : GP W

CERTIFICATE OF ANALYSIS

A9739547

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
274278	201 202	575	< 1	1.22	64	940	8	202	0.15	68	< 10	66			
274279	201 202	405	< 1	0.74	73	800	6	100	0.25	115	< 10	98			
274280	201 202	960	< 1	0.59	113	890	8	78	0.27	124	< 10	104			
274281	201 202	1875	< 1	0.56	91	930	8	81	0.21	144	< 10	164			
274282	201 202	400	< 1	0.67	70	710	6	73	0.24	119	< 10	74			
274283	201 202	350	< 1	0.71	51	800	10	82	0.23	133	< 10	80			
274284	201 202	800	< 1	0.90	89	760	6	145	0.23	99	< 10	86			
274285	201 202	740	< 1	0.84	106	950	6	147	0.20	88	< 10	96			
274286	201 202	315	< 1	0.75	65	240	8	57	0.34	132	< 10	56			
274287	201 202	1195	< 1	0.74	115	740	12	94	0.23	151	< 10	104			
274288	201 202	440	< 1	0.70	78	770	12	64	0.27	153	< 10	96			
274289	201 202	170	< 1	0.76	21	280	6	69	0.29	122	< 10	40			
274290	201 202	545	< 1	0.89	55	1100	10	69	0.50	192	< 10	132			
274291	201 202	425	< 1	0.76	48	830	8	92	0.25	140	< 10	104			
274292	201 202	510	< 1	1.15	57	490	6	95	0.59	229	< 10	96			
274293	201 202	360	< 1	1.02	41	280	8	112	0.29	134	< 10	68			
274294	201 202	790	< 1	1.48	27	460	10	205	0.21	101	< 10	86			
274295	201 202	465	< 1	0.88	35	960	8	139	0.22	100	< 10	76			
274296	201 202	655	< 1	0.91	31	780	6	133	0.21	89	< 10	66			
274297	201 202	275	< 1	1.00	10	330	8	109	0.20	106	< 10	80			
274298	201 202	440	< 1	0.69	39	1100	6	94	0.22	111	< 10	102			
274299	201 202	1415	< 1	0.60	82	860	16	92	0.20	138	< 10	118			
274300	201 202	775	< 1	0.64	56	970	10	109	0.18	99	< 10	100			
274301	201 202	520	< 1	0.70	41	840	6	90	0.22	126	< 10	90			
274302	201 202	480	< 1	0.79	98	140	6	77	0.36	147	< 10	84			
274303	201 202	645	< 1	0.55	48	1350	8	119	0.15	80	< 10	122			
274304	201 202	255	< 1	0.57	17	280	8	40	0.23	166	< 10	72			
274305	201 202	325	< 1	2.07	5	220	6	313	0.21	58	< 10	58			
274306	201 202	490	< 1	1.01	61	780	6	162	0.17	87	< 10	70			
274307	201 202	600	< 1	0.65	77	690	12	102	0.21	143	< 10	102			
274308	201 202	375	< 1	1.21	68	610	8	213	0.17	121	< 10	102			
274309	201 202	460	< 1	0.90	54	810	6	179	0.15	91	< 10	92			
274310	201 202	575	< 1	1.27	48	280	6	179	0.24	117	< 10	102			
274311	201 202	390	2	0.74	48	830	6	143	0.17	130	< 10	122			
274312	201 202	475	< 1	1.11	27	470	12	153	0.27	127	< 10	178			
274313	201 202	465	< 1	1.69	23	300	8	260	0.22	96	< 10	72			
274314	201 202	360	< 1	1.53	16	690	6	258	0.15	54	< 10	58			
274315	201 202	320	< 1	1.80	12	410	6	259	0.22	83	< 10	58			
274316	201 202	475	< 1	2.33	6	730	4	441	0.20	44	< 10	50			
274317	201 202	585	< 1	0.74	32	580	18	126	0.29	132	< 10	94			

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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page: 9-A
Total: 10
Certificate Date: 05-SEP-97
Invoice No.: I9739547
P.O. Number:
Account: GPW

CERTIFICATE OF ANALYSIS

A9739547

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
274318	201	202	< 5	< 0.2	6.88	850	1.0	< 2	2.20	< 0.5	4	8	22	1.57	1.87	0.56
274319	201	202	< 5	< 0.2	7.09	1120	1.5	< 2	0.95	< 0.5	11	62	28	2.89	1.62	0.71
274320	201	202	< 5	< 0.2	6.30	760	0.5	< 2	1.55	< 0.5	20	65	20	3.41	1.27	1.04
274321	201	202	< 5	< 0.2	5.14	970	0.5	< 2	0.60	< 0.5	10	92	56	2.45	1.36	0.85
274322	201	202	< 5	< 0.2	5.47	850	0.5	< 2	0.74	< 0.5	6	69	10	2.09	1.35	0.66
274324	201	202	< 5	< 0.2	5.81	1190	1.0	< 2	1.68	< 0.5	21	211	27	3.58	1.58	2.53
274325	201	202	< 5	< 0.2	5.79	1360	1.5	< 2	1.42	< 0.5	15	116	40	2.80	1.68	1.48
274326	201	202	< 5	< 0.2	5.40	1210	1.5	< 2	1.40	< 0.5	14	135	33	3.11	1.53	1.87
274327	201	202	< 5	< 0.2	5.68	1190	1.0	2	1.70	< 0.5	12	104	43	3.05	1.50	1.48
274328	201	202	20	< 0.2	5.65	850	0.5	2	2.81	< 0.5	21	123	32	4.48	1.05	2.02
274329	201	202	< 5	< 0.2	5.84	810	1.0	2	2.55	< 0.5	20	107	50	4.48	1.11	1.78
274330	201	202	< 5	< 0.2	5.95	1050	1.5	2	1.55	< 0.5	22	124	88	4.89	1.42	1.63
274331	201	202	< 5	< 0.2	5.31	1380	1.5	< 2	1.07	0.5	15	142	36	2.95	1.49	1.31
274332	201	202	< 5	< 0.2	5.42	1520	1.5	< 2	0.74	< 0.5	10	106	36	2.57	1.80	1.25
274333	201	202	< 5	< 0.2	5.67	1690	1.5	2	0.97	1.0	14	107	48	2.93	1.82	1.17
274334	201	202	< 5	< 0.2	3.01	760	0.5	< 2	3.85	0.5	3	22	62	1.15	0.74	0.51
274335	201	202	< 5	< 0.2	4.44	1190	1.5	< 2	2.67	< 0.5	9	63	126	2.14	1.20	0.77
274336	201	202	< 5	< 0.2	6.56	1670	2.0	< 2	2.06	1.0	15	104	218	3.53	1.93	1.30
274337	201	202	< 5	< 0.2	5.65	1730	1.5	2	0.80	< 0.5	12	108	57	3.26	2.12	1.30
274338	201	202	< 5	< 0.2	6.35	1450	1.5	< 2	2.15	0.5	9	71	106	2.74	1.83	1.09
274339	201	202	< 5	< 0.2	5.23	1820	1.5	2	0.75	< 0.5	12	116	28	2.76	1.86	1.34
274340	201	202	< 5	< 0.2	4.98	1770	1.5	2	1.41	< 0.5	12	102	88	2.86	1.59	1.21
274341	201	202	< 5	< 0.2	5.12	1510	1.0	< 2	1.89	< 0.5	5	79	50	1.71	1.56	1.12
274342	201	202	< 5	< 0.2	4.91	1370	0.5	< 2	0.48	< 0.5	7	168	17	3.42	1.56	0.84
274343	201	202	< 5	< 0.2	5.99	1570	1.5	< 2	0.79	< 0.5	15	174	49	3.59	1.85	1.63
274344	201	202	< 5	< 0.2	5.57	1400	1.0	< 2	1.15	< 0.5	10	130	33	2.83	1.73	1.37
274345	201	202	< 5	< 0.2	4.47	1170	1.0	< 2	0.78	< 0.5	10	124	27	2.28	1.56	1.30
274346	201	202	< 5	< 0.2	4.80	1150	1.0	< 2	1.16	< 0.5	11	107	17	2.32	1.54	1.20
274347	201	202	< 5	< 0.2	5.85	680	0.5	< 2	2.56	< 0.5	4	10	20	1.39	1.46	0.67
274350	201	202	< 5	< 0.2	7.34	900	1.0	< 2	1.54	< 0.5	3	5	18	1.37	2.29	0.43
274351	201	202	< 5	< 0.2	5.00	1000	1.0	< 2	1.88	< 0.5	7	42	43	2.02	1.47	0.70
274352	201	202	< 5	< 0.2	5.71	950	1.0	2	2.07	1.5	8	24	51	1.51	1.58	0.52
274353	201	202	< 5	< 0.2	5.86	1420	1.5	< 2	0.93	0.5	9	110	30	2.71	1.94	1.19
274354	201	202	< 5	< 0.2	5.55	1340	1.5	< 2	0.94	< 0.5	7	82	34	2.61	1.79	0.99
274355	201	202	< 5	< 0.2	5.57	1780	1.5	2	0.85	< 0.5	10	131	36	2.90	1.75	1.50
274356	201	202	< 5	< 0.2	5.97	1320	1.5	< 2	0.52	0.5	9	79	28	2.85	1.69	0.93
274357	201	202	< 5	< 0.2	6.58	1230	1.5	< 2	0.74	< 0.5	9	77	26	2.82	1.89	1.01
274358	201	202	< 5	< 0.2	6.95	1340	1.5	< 2	1.01	< 0.5	10	83	33	3.22	2.17	1.25
274359	201	202	< 5	< 0.2	7.20	1330	1.5	2	1.44	< 0.5	11	97	40	3.31	2.14	1.49
274360	201	202	< 5	< 0.2	6.01	1050	1.5	2	1.80	< 0.5	10	66	25	2.63	1.69	1.08

CERTIFICATION:

David Buchler



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page: 1
Number: 9-B
Total Pages: 10
Certificate Date: 05-SEP-97
Invoice No.: 19739547
P.O. Number:
Account: GP W

CERTIFICATE OF ANALYSIS A9739547

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
274318	201 202	395	< 1	2.36	6	380	6	434	0.19	37	< 10	44			
274319	201 202	810	< 1	1.29	22	290	10	203	0.24	108	< 10	106			
274320	201 202	590	< 1	1.48	22	440	4	218	0.39	146	< 10	118			
274321	201 202	310	< 1	0.69	35	460	4	94	0.29	137	< 10	92			
274322	201 202	245	< 1	1.10	20	200	6	153	0.27	99	< 10	44			
274324	201 202	835	< 1	0.81	150	810	10	125	0.33	149	< 10	100			
274325	201 202	615	< 1	0.83	112	810	8	128	0.25	144	< 10	114			
274326	201 202	615	< 1	0.81	107	900	8	102	0.36	150	< 10	94			
274327	201 202	630	< 1	1.02	84	770	10	150	0.33	139	< 10	90			
274328	201 202	915	< 1	0.97	58	630	6	115	0.48	193	< 10	98			
274329	201 202	1105	< 1	1.12	54	840	4	131	0.44	179	< 10	104			
274330	201 202	940	< 1	0.75	87	720	6	81	0.41	187	< 10	112			
274331	201 202	485	< 1	0.64	105	820	12	77	0.25	153	< 10	100			
274332	201 202	405	< 1	0.59	73	770	12	79	0.28	169	< 10	104			
274333	201 202	720	1	0.54	79	830	14	93	0.25	183	< 10	130			
274334	201 202	320	< 1	0.66	34	920	4	249	0.10	44	< 10	60			
274335	201 202	590	< 1	0.67	60	1070	6	193	0.16	84	< 10	52			
274336	201 202	1560	3	0.54	96	860	12	138	0.20	170	< 10	136			
274337	201 202	690	1	0.51	55	550	16	109	0.31	148	< 10	108			
274338	201 202	465	1	1.23	74	630	10	263	0.20	110	< 10	102			
274339	201 202	785	1	0.56	57	790	12	116	0.27	140	< 10	92			
274340	201 202	880	1	0.50	62	910	12	133	0.22	122	< 10	96			
274341	201 202	695	< 1	0.86	46	860	8	234	0.21	96	< 10	92			
274342	201 202	475	1	0.76	31	590	< 2	115	0.30	152	< 10	66			
274343	201 202	965	2	0.52	98	780	< 2	109	0.25	172	< 10	108			
274344	201 202	675	1	0.75	64	750	< 2	161	0.26	126	< 10	100			
274345	201 202	430	< 1	0.58	62	790	< 2	94	0.28	102	< 10	62			
274346	201 202	535	< 1	0.53	49	660	< 2	97	0.20	104	< 10	68			
274347	201 202	320	< 1	1.98	13	650	< 2	427	0.19	35	< 10	36			
274350	201 202	350	1	2.76	< 1	240	< 2	435	0.16	23	< 10	46			
274351	201 202	555	< 1	1.23	32	850	< 2	270	0.17	70	< 10	70			
274352	201 202	580	2	1.69	26	630	< 2	335	0.16	52	< 10	84			
274353	201 202	450	< 1	0.64	58	890	4	125	0.27	151	< 10	114			
274354	201 202	415	1	0.70	50	900	4	108	0.26	158	< 10	120			
274355	201 202	495	< 1	0.65	72	580	< 2	149	0.24	136	< 10	88			
274356	201 202	470	< 1	0.75	41	330	6	93	0.28	169	< 10	110			
274357	201 202	430	< 1	1.17	32	480	4	159	0.29	139	< 10	84			
274358	201 202	605	< 1	1.13	39	760	4	157	0.28	142	< 10	114			
274359	201 202	640	< 1	1.32	44	830	6	183	0.28	137	< 10	102			
274360	201 202	655	< 1	1.27	26	800	< 2	224	0.20	100	< 10	98			

CERTIFICATION:

David Terry



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page: 10-A
Total Pages: 10
Certificate Date: 05-SEP-97
Invoice No.: 19739547
P.O. Number:
Account: GP W

CERTIFICATE OF ANALYSIS

A9739547

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
274361	201	202	< 5	< 0.2	5.66	1260	1.5	< 2	1.39	0.5	13	91	31	3.21	1.74	1.27
274362	201	202	50	< 0.2	4.72	1190	1.5	2	1.05	< 0.5	10	118	23	2.83	1.42	0.98
274363	201	202	< 5	< 0.2	5.74	1250	1.5	< 2	1.09	0.5	11	93	28	3.01	1.72	1.09
274364	201	202	< 5	< 0.2	5.06	1250	1.5	< 2	0.99	0.5	11	142	24	3.23	1.53	1.06
274365	201	202	< 5	< 0.2	4.65	1080	1.5	2	1.26	< 0.5	10	85	22	2.72	1.41	1.09
274366	201	202	< 5	< 0.2	6.33	1330	1.5	2	0.90	< 0.5	10	93	35	3.04	2.01	1.22
274367	201	202	< 5	< 0.2	6.72	1430	1.5	< 2	1.03	< 0.5	14	100	39	3.36	2.08	1.39
274368	201	202	< 5	< 0.2	5.68	1260	1.5	< 2	0.78	< 0.5	10	101	26	2.91	1.61	1.29
274369	201	202	< 5	< 0.2	5.35	1390	1.5	< 2	0.96	1.0	16	102	29	2.85	1.76	1.11
274370	201	202	< 5	< 0.2	6.29	1640	1.5	< 2	0.95	< 0.5	10	101	46	3.02	2.01	1.18
274371	201	202	< 5	< 0.2	5.74	1500	1.5	< 2	0.80	< 0.5	10	97	37	2.87	1.87	1.20
274372	201	202	< 5	< 0.2	5.49	1350	1.5	2	0.64	< 0.5	12	94	24	2.65	1.76	1.08

CERTIFICATION:

David Terry



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project : 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page : 10-B
Total Pages : 10
Certificate Date: 05-SEP-97
Invoice No. : I9739547
P.O. Number :
Account : GP W

CERTIFICATE OF ANALYSIS

A9739547

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
274361	201 202	585	< 1	0.90	57	1160	10	105	0.30	136	< 10	128			
274362	201 202	510	< 1	0.91	47	1240	8	102	0.48	117	< 10	82			
274363	201 202	415	< 1	1.02	48	1440	12	115	0.33	134	< 10	142			
274364	201 202	640	< 1	0.88	55	1220	10	101	0.47	127	< 10	108			
274365	201 202	510	< 1	0.91	45	1150	8	105	0.36	111	< 10	96			
274366	201 202	590	< 1	0.89	44	720	12	127	0.25	142	< 10	102			
274367	201 202	565	< 1	0.89	46	750	16	116	0.26	155	< 10	106			
274368	201 202	405	< 1	0.90	39	470	10	95	0.27	141	< 10	78			
274369	201 202	1200	< 1	0.71	57	960	16	117	0.26	151	< 10	202			
274370	201 202	530	1	0.71	66	820	12	132	0.26	175	< 10	124			
274371	201 202	480	1	0.68	62	870	14	113	0.25	165	< 10	120			
274372	201 202	445	< 1	0.69	50	570	12	111	0.27	150	< 10	96			

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: WESTMIN RESOURCES LTD.

P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

INVOICE NUMBER

I 9 7 3 9 5 4 8

BILLING INFORMATION

Date: 5-SEP-97
Project: 6410
P.O. No.:
Account: GP W

Comments: ATTN:DAVID TERRY-VANCOUVER
OFFICE

Billing: For analysis performed on
Certificate A9739548

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
209	201 - Dry, sieve to -80 mesh	1.25		
	202 - save reject	0.85		
	ICP-24	10.50		
	983 - Au ppb FA+AA	9.75	22.35	4671.15
2	201 - Dry, sieve to -80 mesh	1.25		
	202 - save reject	0.85		
	ICP-24	10.50	12.60	25.20
				Total Cost \$ 4696.35
				Client Discount (25%) \$ -1174.09
				Net Cost \$ 3522.26
				(Reg# R100938885) GST \$ 246.56
				TOTAL PAYABLE (CDN) \$ 3768.82



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

QC 1 of 1
Tot QC Pg: 2
Date: 05-SEP-97
Invoice #: 19739548
P.O. #: GPW

QC DATA OF CERTIFICATE

A9739548

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
ADS-1	std1	1	485	----	----	----	----	----	----	----	----	----	----	----	----	----
ADS-1	std1	2	460	----	----	----	----	----	----	----	----	----	----	----	----	----
ADS-1	std1	3	460	----	----	----	----	----	----	----	----	----	----	----	----	----
ADS-1	std1	4	470	----	----	----	----	----	----	----	----	----	----	----	----	----
ADS-1	std1	5	470	----	----	----	----	----	----	----	----	----	----	----	----	----
ADS-1	std1	6	465	----	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	---	---	470	----	----	----	----	----	----	----	----	----	----	----	----	----
BL-C	Blnk	1	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
BL-C	Blnk	3	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
BL-C	Blnk	4	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
BL-C	Blnk	5	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	---	---	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
CR-1	std2	5	950	----	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	---	---	923	----	----	----	----	----	----	----	----	----	----	----	----	----
G96-TOT	std1	1	----	----	7.68	1200	1.5	4	2.04	2.0	18	101	191	5.25	1.85	1.05
G96-TOT	std2	1	----	----	7.92	1230	1.5	2	2.09	1.5	20	104	201	5.32	1.91	1.08
G96-TOT	std1	2	----	----	8.06	1250	1.5	2	2.10	1.5	20	101	197	5.31	1.93	1.05
G96-TOT	std2	2	----	----	7.85	1160	1.5	4	2.02	2.0	19	99	190	5.13	1.88	1.01
G96-TOT	std1	3	----	----	8.11	1230	1.5	2	2.17	1.0	18	100	191	5.00	1.93	1.14
G96-TOT	std2	3	----	----	7.74	1160	1.0	2	2.10	1.5	19	99	184	4.91	1.84	1.03
G96-TOT	std1	4	----	----	7.49	1140	1.5	2	2.01	1.5	18	99	183	4.79	1.82	1.04
G96-TOT	std2	4	----	----	7.75	1170	1.5	2	2.03	1.5	18	98	189	4.78	1.83	1.05
G96-TOT	std1	5	----	----	7.58	1150	1.5	< 2	2.04	1.0	18	97	185	4.77	1.84	1.02
G96-TOT	std1	6	----	----	7.93	1200	1.5	2	2.10	1.5	20	97	197	4.94	1.91	1.04
CHEMEX MEAN	---	---	----	----	7.60	1135	1.1	8	2.13	0.9	17	98	177	4.60	1.82	1.00
GEO-96	std1	1	----	5.0	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	std2	1	----	5.6	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	std1	2	----	5.2	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	std2	2	----	7.6	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	std1	3	----	5.0	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	std2	3	----	5.2	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	std1	4	----	5.0	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	std2	4	----	5.8	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	std1	5	----	11.0	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	std2	5	----	< 0.2	----	----	----	----	----	----	----	----	----	----	----	----
GEO-96	std1	6	----	5.2	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	---	---	----	5.6	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-G2	Blnk	1	----	< 0.2	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-G2	Blnk	2	----	< 0.2	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-G2	Blnk	3	----	< 0.2	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-G2	Blnk	4	----	< 0.2	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-G2	Blnk	5	----	< 0.2	----	----	----	----	----	----	----	----	----	----	----	----

CERTIFICATION: Hart Buchler



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

QC # : 1-B
Tot Qc : 2
Date: 05-SEP-97
Invoice #: 19739548
P.O. #: GP W

QC DATA OF CERTIFICATE

A9739548

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
ADS-1	Std1	1	----	----	----	----	----	----	----	----	----	----	----			
ADS-1	Std1	2	----	----	----	----	----	----	----	----	----	----	----			
ADS-1	Std1	3	----	----	----	----	----	----	----	----	----	----	----			
ADS-1	Std1	4	----	----	----	----	----	----	----	----	----	----	----			
ADS-1	Std1	5	----	----	----	----	----	----	----	----	----	----	----			
ADS-1	Std1	6	----	----	----	----	----	----	----	----	----	----	----			
CHEMEX MEAN	---	---	----	----	----	----	----	----	----	----	----	----	----			
BL-C	Blnk	1	----	----	----	----	----	----	----	----	----	----	----			
BL-C	Blnk	3	----	----	----	----	----	----	----	----	----	----	----			
BL-C	Blnk	4	----	----	----	----	----	----	----	----	----	----	----			
BL-C	Blnk	5	----	----	----	----	----	----	----	----	----	----	----			
CHEMEX MEAN	---	---	----	----	----	----	----	----	----	----	----	----	----			
CR-1	Std2	5	----	----	----	----	----	----	----	----	----	----	----			
CHEMEX MEAN	---	---	----	----	----	----	----	----	----	----	----	----	----			
G96-TOT	Std1	1	1085	10	1.04	27	600	----	247	0.34	172	10	206			
G96-TOT	Std2	1	1125	9	1.05	27	610	----	261	0.34	175	20	212			
G96-TOT	Std1	2	1105	8	1.04	27	610	----	255	0.35	170	10	212			
G96-TOT	Std2	2	1055	10	1.01	27	600	----	245	0.33	166	10	198			
G96-TOT	Std1	3	1080	9	1.07	27	630	----	254	0.35	167	10	192			
G96-TOT	Std2	3	1065	9	1.05	28	620	----	244	0.35	164	10	190			
G96-TOT	Std1	4	1030	8	1.04	26	610	----	245	0.34	160	10	186			
G96-TOT	Std2	4	1045	9	1.02	27	620	----	252	0.34	166	10	194			
G96-TOT	Std1	5	1030	8	1.01	27	600	----	246	0.35	161	10	188			
G96-TOT	Std1	6	1070	8	1.00	27	610	----	261	0.35	169	10	198			
CHEMEX MEAN	---	---	1025	8	1.00	24	624	----	236	0.34	160	< 10	185			
GEO-96	Std1	1	----	----	----	----	----	122	----	----	----	----	----			
GEO-96	Std2	1	----	----	----	----	----	120	----	----	----	----	----			
GEO-96	Std1	2	----	----	----	----	----	128	----	----	----	----	----			
GEO-96	Std2	2	----	----	----	----	----	124	----	----	----	----	----			
GEO-96	Std1	3	----	----	----	----	----	124	----	----	----	----	----			
GEO-96	Std2	3	----	----	----	----	----	130	----	----	----	----	----			
GEO-96	Std1	4	----	----	----	----	----	130	----	----	----	----	----			
GEO-96	Std2	4	----	----	----	----	----	132	----	----	----	----	----			
GEO-96	Std1	5	----	----	----	----	----	130	----	----	----	----	----			
GEO-96	Std2	5	----	----	----	----	----	136	----	----	----	----	----			
GEO-96	Std1	6	----	----	----	----	----	130	----	----	----	----	----			
CHEMEX MEAN	---	---	----	----	----	----	----	125	----	----	----	----	----			
SIO2-G2	Blnk	1	----	----	----	----	----	2	----	----	----	----	----			
SIO2-G2	Blnk	2	----	----	----	----	----	< 2	----	----	----	----	----			
SIO2-G2	Blnk	3	----	----	----	----	----	2	----	----	----	----	----			
SIO2-G2	Blnk	4	----	----	----	----	----	< 2	----	----	----	----	----			
SIO2-G2	Blnk	5	----	----	----	----	----	< 1	----	----	----	----	----			

CERTIFICATION:

Hart Bickler



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

QC F : 2-A
Tot QC : g: 2
Date: 05-SEP-97
Invoice #: 19739548
P.O. #: GP W

QC DATA OF CERTIFICATE

A9739548

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
CHEMEX MEAN	---	---	----	< 0.2	----	----	----	----	----	----	----	----	----	----	----	----
SIO2-T4	Blnk	1	----	----	0.23	30	< 0.5	< 2	0.02	< 0.5	< 1	2	3	0.07	0.05	0.01
SIO2-T4	Blnk	2	----	----	0.23	30	< 0.5	< 2	0.02	< 0.5	< 1	5	2	0.07	0.05	0.01
SIO2-T4	Blnk	3	----	----	0.29	30	< 0.5	< 2	0.08	< 0.5	< 1	5	3	0.07	0.05	0.01
SIO2-T4	Blnk	4	----	----	0.26	50	< 0.5	< 2	0.03	< 0.5	< 1	5	3	0.07	0.05	0.01
SIO2-T4	Blnk	5	----	----	0.26	40	< 0.5	< 2	0.02	< 0.5	< 1	5	3	0.08	0.06	0.01
CHEMEX MEAN	---	---	----	----	0.26	30	0.5	2	0.03	1.0	1	1	3	0.07	0.05	0.01
TC-97	std2	1	200	----	----	----	----	----	----	----	----	----	----	----	----	----
TC-97	std2	2	210	----	----	----	----	----	----	----	----	----	----	----	----	----
TC-97	std2	3	200	----	----	----	----	----	----	----	----	----	----	----	----	----
TC-97	std2	4	195	----	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	---	---	201	----	----	----	----	----	----	----	----	----	----	----	----	----
276001	Dup1-01		< 5	< 0.2	4.96	960	1.0	< 2	0.65	< 0.5	9	118	14	2.78	1.34	1.05
	Orig1-01		< 5	< 0.2	4.68	920	0.5	< 2	0.63	< 0.5	9	119	14	2.74	1.31	1.03
276042	Dup2-01		< 5	< 0.2	3.32	600	0.5	< 2	2.73	0.5	6	56	67	1.39	0.82	0.82
	Orig2-01		15	< 0.2	3.27	600	0.5	< 2	2.71	0.5	6	56	66	1.40	0.82	0.81
276082	Dup3-01		not/ss	1.4	4.78	1080	1.5	< 2	1.83	0.5	8	94	88	2.61	1.38	1.13
	Orig3-01		< 10	1.6	4.79	1080	1.5	< 2	1.82	0.5	8	96	89	2.62	1.39	1.14
276122	Dup4-01		< 5	< 0.2	5.80	950	0.5	< 2	0.91	0.5	5	87	20	1.96	1.58	0.55
	Orig4-01		< 5	< 0.2	5.61	920	0.5	2	0.84	0.5	4	84	19	1.92	1.56	0.52
276162	Dup5-01		not/ss	< 0.2	5.37	900	0.5	< 2	1.92	0.5	36	209	66	4.44	1.21	2.57
	Orig5-01		< 5	< 0.2	5.46	930	1.0	< 2	1.95	0.5	36	217	67	4.60	1.23	2.65

CERTIFICATION:

David Terry



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

QC # : 2-B
Tot QC rgs: 2
Date: 05-SEP-97
Invoice #: I9739548
P.O. #: GPW

QC DATA OF CERTIFICATE

A9739548

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	< 2	-----	-----	-----	-----	-----			
SIO2-T4	Blnk	1	5	< 1	0.03	1	240	-----	263	0.01	4	< 10	< 2			
SIO2-T4	Blnk	2	< 5	< 1	0.03	< 1	230	-----	256	0.01	4	< 10	< 2			
SIO2-T4	Blnk	3	5	< 1	0.03	1	240	-----	264	0.01	4	< 10	2			
SIO2-T4	Blnk	4	5	< 1	0.03	1	260	-----	287	0.01	4	< 10	4			
SIO2-T4	Blnk	5	5	< 1	0.03	< 1	260	-----	290	0.01	4	< 10	2			
CHEMEX MEAN	---	---	5	1	0.01	1	248	-----	269	0.01	4	10	2			
TC-97	Std2	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
TC-97	Std2	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
TC-97	Std2	3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
TC-97	Std2	4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
276001	Dup1-01		365	1	0.87	45	360	4	80	0.26	119	< 10	54			
	Orig1-01		350	1	0.87	44	360	4	75	0.23	113	< 10	52			
276042	Dup2-01		385	1	0.86	103	990	4	279	0.11	40	< 10	46			
	Orig2-01		380	< 1	0.86	100	970	4	275	0.11	40	< 10	44			
276082	Dup3-01		700	1	0.61	101	1320	8	266	0.16	125	< 10	166			
	Orig3-01		700	3	0.61	101	1320	12	267	0.16	128	< 10	162			
276122	Dup4-01		335	1	1.50	19	670	4	212	0.37	111	< 10	82			
	Orig4-01		330	< 1	1.47	20	660	< 2	205	0.37	110	< 10	84			
276162	Dup5-01		1065	< 1	0.93	150	710	6	116	0.42	181	< 10	110			
	Orig5-01		1090	< 1	0.97	154	710	4	120	0.42	189	< 10	118			

CERTIFICATION:

David Terry



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

A9739548

Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

CERTIFICATE

A9739548

(GP W) - WESTMIN RESOURCES LTD.

Project: 6410
P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 5-SEP-97.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	211	Dry, sieve to -80 mesh
202	211	save reject
285	211	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	209	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	211	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	211	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	211	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	211	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	211	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	211	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	211	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	211	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	211	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	211	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	211	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	211	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	211	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	211	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	211	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	211	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	211	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	211	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	211	Pb ppm: 24 element, rock & core	AAS	2	10000
582	211	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	211	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	211	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	211	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	211	Zn ppm: 24 element, rock & core	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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project : 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page Number : 1-A
Total Pages : 6
Certificate Date : 05-SEP-97
Invoice No. : I9739548
P.O. Number :
Account : GP W

CERTIFICATE OF ANALYSIS A9739548

SAMPLE	PREP CODE		Au ppb	Ag ppm	Al %	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
			FA+AA	AAS	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)
276001	201	202	< 5	< 0.2	4.68	920	0.5	< 2	0.63	< 0.5	9	119	14	2.74	1.31	1.03
276002	201	202	< 5	< 0.2	5.45	940	1.0	< 2	1.29	1.0	4	29	24	1.67	1.56	0.49
276003	201	202	< 5	< 0.2	3.74	860	0.5	< 2	0.75	< 0.5	7	126	15	2.53	0.96	0.92
276004	201	202	< 5	< 0.2	4.61	1350	1.0	< 2	1.50	0.5	15	162	29	2.54	1.26	1.55
276005	201	202	< 5	< 0.2	0.67	310	< 0.5	< 2	2.95	0.5	5	17	26	0.41	0.13	0.52
276006	201	202	< 5	< 0.2	4.82	760	0.5	< 2	0.88	0.5	10	142	11	3.03	0.86	1.02
276007	201	202	< 5	< 0.2	1.41	310	< 0.5	< 2	2.78	0.5	27	269	37	1.17	0.25	1.66
276008	201	202	< 5	< 0.2	6.19	680	1.0	< 2	1.98	< 0.5	4	10	25	1.41	1.65	0.70
276009	201	202	< 5	< 0.2	3.50	480	0.5	< 2	1.90	< 0.5	2	7	21	0.91	1.00	0.46
276010	201	202	< 5	< 0.2	4.17	1090	1.0	< 2	0.79	< 0.5	9	136	16	2.13	1.26	1.19
276011	201	202	< 5	< 0.2	5.18	1190	0.5	< 2	1.05	0.5	16	180	11	2.80	1.15	1.43
276012	201	202	< 5	< 0.2	4.05	1110	1.0	< 2	1.87	1.5	19	203	52	2.44	1.02	1.86
276013	201	202	< 5	< 0.2	4.38	770	0.5	< 2	2.12	0.5	24	329	79	3.01	0.89	4.76
276014	201	202	< 5	< 0.2	1.77	630	0.5	< 2	3.49	0.5	14	227	440	1.42	0.28	1.26
276015	201	202	< 5	< 0.2	4.57	920	0.5	< 2	1.93	0.5	13	206	33	2.21	1.20	2.14
276016	201	202	< 5	< 0.2	5.04	1370	1.0	< 2	1.58	0.5	26	377	39	3.64	1.12	3.88
276017	201	202	< 5	< 0.2	7.53	1110	1.5	< 2	1.60	0.5	7	70	26	2.34	2.18	0.95
276018	201	202	< 5	< 0.2	5.07	890	0.5	< 2	1.53	< 0.5	24	393	14	3.29	1.19	2.45
276019	201	202	< 5	< 0.2	13.30	1090	4.0	20	0.30	< 0.5	22	120	69	7.31	3.78	1.08
276020	201	202	< 5	< 0.2	4.68	740	0.5	< 2	1.89	0.5	33	544	19	3.16	1.07	4.15
276021	201	202	< 5	< 0.2	5.18	1070	1.0	< 2	1.93	0.5	15	160	51	2.46	1.21	2.05
276022	201	202	40	< 0.2	4.89	1250	1.0	< 2	1.22	0.5	21	259	33	3.05	1.24	2.48
276023	201	202	< 5	< 0.2	5.29	890	0.5	< 2	0.81	< 0.5	6	75	12	1.87	1.24	0.70
276024	--	--	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
276026	201	202	< 5	< 0.2	5.92	950	1.5	< 2	1.42	0.5	39	288	189	3.15	1.30	1.97
276027	201	202	< 5	< 0.2	6.60	1050	1.0	< 2	1.38	0.5	12	188	33	2.85	1.51	1.34
276028	201	202	< 5	< 0.2	5.46	820	0.5	< 2	1.30	< 0.5	12	174	14	2.69	1.09	1.29
276029	201	202	< 5	< 0.2	4.46	1360	1.0	< 2	1.29	< 0.5	19	220	38	2.93	1.18	2.10
276030	201	202	< 5	< 0.2	4.38	1450	1.0	< 2	0.66	0.5	8	92	26	2.22	1.38	0.88
276031	201	202	< 5	< 0.2	6.31	1070	1.0	< 2	1.09	< 0.5	9	51	62	3.41	1.39	0.54
276032	201	202	< 5	< 0.2	5.50	930	0.5	< 2	1.15	0.5	8	78	15	2.33	1.13	0.68
276033	201	202	< 5	< 0.2	5.89	840	1.0	< 2	1.80	< 0.5	3	9	48	1.61	1.67	0.44
276034	201	202	< 5	< 0.2	5.41	1060	1.0	< 2	1.46	< 0.5	5	79	55	1.90	1.48	0.67
276035	201	202	< 5	< 0.2	5.46	860	0.5	< 2	0.91	0.5	4	98	15	1.89	1.42	0.58
276036	201	202	< 5	< 0.2	5.84	1020	0.5	2	1.02	0.5	10	97	36	2.44	1.28	0.71
276037	201	202	< 5	< 0.2	6.88	1480	1.5	< 2	1.64	< 0.5	10	71	47	2.41	1.60	0.69
276038	201	202	< 5	< 0.2	4.44	810	0.5	< 2	0.86	< 0.5	5	91	6	1.86	1.33	0.65
276039	201	202	< 5	1.2	7.69	2380	2.5	< 2	0.98	2.0	19	124	97	3.96	1.39	0.99
276040	201	202	< 5	< 0.2	5.04	1300	1.5	< 2	2.17	1.5	14	127	136	2.67	1.39	1.25
276041	201	202	< 5	< 0.2	3.24	720	0.5	< 2	2.52	1.5	19	53	39	3.14	0.93	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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page per :1-B
Total Pages :6
Certificate Date: 05-SEP-97
Invoice No. :19739548
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9739548

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
276001	201	202	350	1	0.87	44	360	4	75	0.23	113	< 10	52			
276002	201	202	365	< 1	1.82	12	490	4	346	0.17	53	< 10	84			
276003	201	202	325	< 1	0.65	39	130	< 2	87	0.27	107	< 10	46			
276004	201	202	555	1	0.82	139	530	6	133	0.20	127	< 10	62			
276005	201	202	670	6	0.09	66	760	< 2	114	0.01	13	< 10	52			
276006	201	202	340	< 1	0.93	49	150	4	119	0.28	142	< 10	58			
276007	201	202	330	< 1	0.30	293	670	< 2	176	0.04	20	< 10	14			
276008	201	202	310	< 1	2.43	15	360	< 2	536	0.17	33	< 10	44			
276009	201	202	170	< 1	1.33	20	310	< 2	293	0.09	17	< 10	24			
276010	201	202	285	< 1	0.64	67	620	4	70	0.21	122	< 10	72			
276011	201	202	530	1	0.98	74	170	< 2	111	0.27	143	< 10	122			
276012	201	202	830	< 1	0.57	257	760	2	114	0.16	114	< 10	82			
276013	201	202	340	< 1	0.80	755	540	< 2	175	0.09	76	< 10	62			
276014	201	202	275	< 1	0.24	368	720	< 2	133	0.06	44	< 10	52			
276015	201	202	320	< 1	0.97	185	620	< 2	241	0.16	90	< 10	88			
276016	201	202	650	1	0.81	352	590	2	113	0.23	146	< 10	90			
276017	201	202	405	2	2.55	50	330	4	512	0.19	69	< 10	70			
276018	201	202	605	< 1	1.17	121	280	6	165	0.30	138	< 10	68			
276019	201	202	520	7	0.48	59	700	12	58	0.51	121	10	194			
276020	201	202	570	< 1	1.01	285	240	2	153	0.19	101	< 10	72			
276021	201	202	470	< 1	1.06	277	720	2	243	0.13	88	< 10	106			
276022	201	202	605	1	0.66	191	660	4	90	0.23	134	< 10	78			
276023	201	202	355	< 1	1.17	24	150	6	160	0.28	116	< 10	54			
276024	--	--	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed			
276026	201	202	795	< 1	1.43	247	720	< 2	272	0.18	101	< 10	76			
276027	201	202	370	< 1	1.77	105	290	2	335	0.25	110	< 10	64			
276028	201	202	410	< 1	1.31	64	190	4	189	0.30	125	< 10	70			
276029	201	202	480	< 1	0.72	171	780	8	78	0.27	141	< 10	84			
276030	201	202	325	1	0.58	56	760	4	80	0.22	141	< 10	78			
276031	201	202	655	< 1	1.51	38	400	10	312	0.24	121	< 10	120			
276032	201	202	485	< 1	1.27	21	210	10	203	0.30	134	< 10	62			
276033	201	202	280	< 1	2.21	12	650	4	457	0.14	27	< 10	38			
276034	201	202	260	< 1	1.31	27	390	6	244	0.25	103	< 10	48			
276035	201	202	295	1	1.43	19	250	8	211	0.30	105	< 10	80			
276036	201	202	510	2	1.16	36	330	10	197	0.24	126	< 10	88			
276037	201	202	385	< 1	1.72	57	610	6	345	0.19	81	10	68			
276038	201	202	265	< 1	0.94	24	200	6	110	0.27	109	< 10	50			
276039	201	202	2600	2	0.89	112	970	14	138	0.26	159	< 10	304			
276040	201	202	565	< 1	0.57	99	680	10	109	0.20	128	< 10	88			
276041	201	202	4100	5	0.59	65	920	6	241	0.10	57	< 10	64			

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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page per :2-A
Total Pages :6
Certificate Date: 05-SEP-97
Invoice No. :19739548
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS

A9739548

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
276042	201	202	15	< 0.2	3.27	600	0.5	< 2	2.71	0.5	6	56	66	1.40	0.82	0.81
276043	201	202	< 5	< 0.2	4.37	790	0.5	< 2	2.51	< 0.5	6	43	46	1.50	1.22	0.70
276044	201	202	< 5	< 0.2	5.56	1370	1.0	< 2	0.63	0.5	10	130	15	2.81	1.65	1.16
276045	201	202	< 5	< 0.2	7.14	1420	1.5	< 2	0.41	0.5	17	141	28	4.00	1.73	1.18
276046	201	202	< 5	< 0.2	4.98	1050	1.0	< 2	1.33	0.5	16	188	23	2.73	1.42	1.99
276047	201	202	< 5	< 0.2	5.52	1370	1.5	< 2	1.27	1.0	24	225	35	3.76	1.58	2.35
276048	201	202	< 5	< 0.2	2.41	570	< 0.5	< 2	2.67	< 0.5	16	194	32	2.08	0.57	1.74
276049	201	202	< 5	< 0.2	6.01	1280	1.0	< 2	1.57	< 0.5	23	317	53	3.77	1.37	2.76
276050	201	202	< 5	< 0.2	2.84	540	0.5	< 2	3.17	0.5	6	52	20	1.09	0.78	0.84
276051	201	202	< 5	< 0.2	4.94	990	1.0	< 2	1.99	0.5	19	198	34	2.82	1.41	2.12
276052	201	202	< 5	< 0.2	6.13	1360	1.5	< 2	1.33	0.5	23	262	63	3.76	1.70	2.22
276053	201	202	< 5	< 0.2	2.49	590	< 0.5	< 2	3.19	< 0.5	4	17	27	0.72	0.66	0.56
276054	201	202	< 5	< 0.2	0.97	220	< 0.5	< 2	3.10	2.0	2	56	64	0.59	0.19	0.67
276055	201	202	< 5	< 0.2	5.94	1370	1.5	< 2	1.40	0.5	22	238	56	3.76	1.60	1.95
276056	201	202	< 5	< 0.2	5.15	1160	1.0	< 2	1.25	0.5	13	153	24	2.66	1.53	1.50
276057	201	202	< 5	< 0.2	4.53	1170	1.5	< 2	1.01	0.5	14	215	22	2.56	1.31	1.88
276058	201	202	< 5	< 0.2	4.27	1050	1.0	< 2	0.89	< 0.5	10	152	9	2.30	1.20	1.26
276059	201	202	< 5	< 0.2	5.81	1420	1.5	< 2	1.31	0.5	14	141	29	2.88	1.63	1.26
276060	201	202	< 5	< 0.2	4.70	1190	1.0	< 2	0.75	0.5	8	149	10	2.18	1.35	1.18
276061	201	202	< 5	< 0.2	4.69	1460	1.0	< 2	1.00	0.5	16	218	24	2.63	1.24	1.72
276062	201	202	< 5	< 0.2	5.91	1550	1.5	< 2	1.02	1.5	17	228	46	3.09	1.74	1.96
276063	201	202	< 5	< 0.2	2.34	870	0.5	< 2	2.78	< 0.5	12	92	73	1.10	0.51	1.03
276064	201	202	< 5	< 0.2	5.38	1070	0.5	< 2	1.63	< 0.5	26	330	39	2.82	1.36	3.02
276065	201	202	< 5	< 0.2	5.24	980	1.0	< 2	1.99	< 0.5	29	503	34	3.31	1.22	4.27
276066	201	202	< 5	< 0.2	5.12	980	1.0	< 2	0.71	< 0.5	19	279	11	3.49	1.34	2.12
276067	201	202	< 5	< 0.2	2.80	670	0.5	< 2	3.49	2.0	5	10	48	0.77	0.72	0.29
276068	201	202	< 5	< 0.2	3.82	590	0.5	< 2	1.82	2.0	9	59	51	3.99	0.88	0.80
276069	201	202	< 5	< 0.2	5.45	1710	1.5	< 2	0.54	0.5	8	98	40	2.88	1.67	0.94
276070	201	202	< 5	< 0.2	4.73	1100	0.5	< 2	2.18	0.5	6	48	38	1.71	1.29	0.67
276071	201	202	10	< 0.2	7.35	1170	1.5	< 2	1.21	0.5	24	196	60	4.64	2.08	1.76
276072	201	202	< 5	< 0.2	6.63	1270	1.0	< 2	1.28	0.5	6	76	26	2.14	1.86	0.73
276073	201	202	< 5	< 0.2	2.47	550	0.5	< 2	1.90	1.0	1	13	28	0.77	0.64	0.27
276074	201	202	< 5	< 0.2	6.60	1100	1.0	< 2	1.26	2.0	11	30	30	1.83	1.89	0.58
276075	201	202	< 5	1.4	5.43	1120	1.5	< 2	2.00	1.5	9	108	117	2.73	1.31	0.86
276076	201	202	< 5	0.4	7.12	1620	1.5	< 2	1.50	0.5	11	91	42	2.87	1.78	0.86
276077	201	202	< 5	< 0.2	5.67	1050	1.0	< 2	0.95	< 0.5	6	76	11	2.01	1.69	0.77
276078	201	202	< 5	< 0.2	6.34	1500	1.5	< 2	1.06	0.5	11	131	26	2.88	1.81	1.35
276079	201	202	< 5	< 0.2	5.84	1240	1.0	< 2	0.69	0.5	8	95	10	2.49	1.78	0.94
276080	201	202	< 5	< 0.2	5.86	1280	1.5	< 2	1.44	0.5	10	109	27	2.65	1.66	1.18
276081	201	202	not/ss	< 0.2	5.26	1280	1.0	< 2	1.41	0.5	9	97	25	2.33	1.44	0.97

CERTIFICATION:

David Bickler



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project : 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page : 2-B
Total Pages : 6
Certificate Date: 05-SEP-97
Invoice No. : I9739548
P.O. Number :
Account : GP W

CERTIFICATE OF ANALYSIS

A9739548

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
276042	201	202	380	< 1	0.86	100	970	4	275	0.11	40	< 10	44			
276043	201	202	595	2	1.16	59	880	< 2	309	0.12	47	< 10	44			
276044	201	202	355	< 1	0.79	68	360	6	89	0.29	129	< 10	74			
276045	201	202	445	< 1	0.76	91	270	12	73	0.30	124	< 10	96			
276046	201	202	990	< 1	0.79	143	740	8	142	0.25	107	< 10	82			
276047	201	202	2140	< 1	0.79	237	880	12	132	0.25	131	< 10	106			
276048	201	202	1510	3	0.52	436	640	< 2	201	0.08	43	< 10	48			
276049	201	202	605	< 1	0.75	295	390	10	136	0.25	133	< 10	80			
276050	201	202	550	< 1	0.73	73	660	2	254	0.08	31	< 10	40			
276051	201	202	720	1	0.70	167	700	12	162	0.22	100	< 10	112			
276052	201	202	580	2	0.79	220	590	20	129	0.27	137	< 10	110			
276053	201	202	665	< 1	0.78	55	700	2	272	0.06	17	< 10	24			
276054	201	202	300	1	0.13	131	420	6	143	0.04	19	< 10	18			
276055	201	202	590	2	0.80	192	830	22	144	0.28	151	< 10	132			
276056	201	202	585	< 1	0.87	98	850	10	145	0.27	120	< 10	90			
276057	201	202	445	< 1	0.88	164	780	6	106	0.27	115	< 10	72			
276058	201	202	385	< 1	0.89	65	500	6	99	0.28	119	< 10	52			
276059	201	202	550	< 1	1.17	88	820	10	203	0.28	126	< 10	88			
276060	201	202	330	1	0.81	65	470	10	97	0.26	121	< 10	58			
276061	201	202	720	< 1	0.66	133	780	8	95	0.26	140	< 10	78			
276062	201	202	755	< 1	0.75	205	780	14	101	0.30	171	< 10	132			
276063	201	202	560	< 1	0.44	558	840	4	195	0.07	30	< 10	24			
276064	201	202	545	< 1	0.94	363	330	6	177	0.20	93	< 10	66			
276065	201	202	590	< 1	0.59	318	590	2	93	0.23	118	< 10	64			
276066	201	202	530	1	0.81	126	240	6	70	0.32	139	< 10	62			
276067	201	202	700	1	0.88	17	520	2	309	0.08	21	< 10	22			
276068	201	202	2500	1	0.53	71	910	6	157	0.13	69	< 10	122			
276069	201	202	400	1	0.53	55	770	< 2	73	0.30	147	< 10	90			
276070	201	202	565	1	1.16	47	840	< 2	279	0.14	66	< 10	64			
276071	201	202	655	< 1	0.64	82	710	6	104	0.47	203	< 10	98			
276072	201	202	435	1	1.54	22	510	8	273	0.31	118	< 10	80			
276073	201	202	175	< 1	0.76	20	510	2	237	0.06	14	< 10	28			
276074	201	202	1760	3	2.04	13	1150	10	406	0.21	63	< 10	88			
276075	201	202	635	< 1	0.61	185	1080	12	181	0.12	103	< 10	120			
276076	201	202	635	3	1.47	89	750	10	334	0.19	110	< 10	98			
276077	201	202	345	1	1.28	25	310	6	214	0.24	97	< 10	54			
276078	201	202	385	3	0.94	64	790	8	134	0.29	148	< 10	104			
276079	201	202	440	2	1.00	32	360	6	131	0.28	135	< 10	72			
276080	201	202	555	< 1	1.14	71	870	6	217	0.26	109	< 10	76			
276081	201	202	395	< 1	0.85	61	750	4	176	0.21	112	< 10	68			

CERTIFICATION:

David Terry



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page: 3-A
Total Pages: 6
Certificate Date: 05-SEP-97
Invoice No.: 19739548
P.O. Number:
Account: GPW

CERTIFICATE OF ANALYSIS A9739548

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
276082	201	202	< 10	1.6	4.79	1080	1.5	< 2	1.82	0.5	8	96	89	2.62	1.39	1.14
276083	201	202	< 10	0.4	5.34	750	1.0	< 2	1.95	< 0.5	5	35	58	1.87	1.43	0.73
276084	201	202	< 5	< 0.2	5.69	1110	1.0	2	0.63	0.5	6	83	15	2.69	1.57	0.84
276085	201	202	< 5	< 0.2	2.07	760	< 0.5	< 2	2.11	1.0	12	21	38	1.70	0.49	0.48
276086	201	202	< 5	< 0.2	2.36	710	0.5	< 2	2.64	0.5	7	71	60	1.26	0.53	0.82
276087	201	202	< 5	< 0.2	5.13	1110	1.0	2	1.44	0.5	19	198	24	2.74	1.48	1.72
276088	201	202	< 5	< 0.2	6.16	1070	1.5	< 2	1.27	< 0.5	15	224	30	2.69	1.76	1.56
276089	201	202	< 5	< 0.2	5.61	770	0.5	< 2	2.50	< 0.5	4	11	21	1.19	1.57	0.54
276090	201	202	< 10	1.2	8.23	1620	2.0	2	1.28	< 0.5	10	78	63	2.96	2.47	0.88
276091	201	202	< 5	0.2	7.01	1150	1.0	< 2	1.62	0.5	6	179	35	1.87	2.02	1.00
276092	201	202	< 5	< 0.2	5.59	970	0.5	< 2	1.61	< 0.5	20	328	16	2.77	1.31	2.62
276093	201	202	< 5	< 0.2	3.34	540	0.5	< 2	2.93	0.5	4	21	22	0.96	0.83	0.68
276094	201	202	< 5	< 0.2	3.88	1250	1.0	< 2	3.00	0.5	9	74	31	2.04	1.91	1.34
276095	201	202	< 5	< 0.2	4.62	1180	1.0	< 2	1.69	0.5	8	95	45	2.18	1.27	1.09
276096	201	202	< 5	< 0.2	4.52	700	1.0	< 2	2.18	0.5	11	100	37	2.09	1.07	0.98
276097	201	202	< 5	< 0.2	4.96	820	1.0	< 2	1.87	0.5	27	255	63	2.59	1.27	2.40
276098	201	202	< 5	< 0.2	4.71	830	0.5	< 2	1.93	1.0	11	80	28	1.75	1.27	1.07
276099	201	202	< 5	< 0.2	4.34	1130	0.5	2	1.58	0.5	24	79	29	3.42	1.17	1.05
276100	201	202	< 5	< 0.2	8.26	1250	2.5	< 2	1.07	< 0.5	14	130	36	4.56	3.25	1.50
276101	201	202	< 5	< 0.2	8.76	1170	2.0	6	0.77	< 0.5	15	124	36	4.14	2.95	1.59
276102	201	202	< 5	< 0.2	8.47	1160	2.0	< 2	0.67	< 0.5	20	141	58	4.35	3.24	1.62
276103	201	202	< 5	< 0.2	7.12	1240	1.5	< 2	0.66	< 0.5	17	123	47	3.69	2.27	1.31
276104	201	202	< 5	< 0.2	5.60	1320	1.5	6	1.39	0.5	11	120	42	2.37	1.50	1.10
276105	201	202	< 5	< 0.2	5.12	1110	1.0	2	1.54	0.5	10	114	38	2.42	1.44	1.09
276106	201	202	< 5	< 0.2	5.27	1090	1.5	< 2	1.67	0.5	11	126	45	2.52	1.53	1.19
276107	201	202	< 5	< 0.2	4.00	860	0.5	< 2	3.24	1.0	7	60	76	1.49	0.87	0.81
276108	201	202	< 5	< 0.2	6.38	1140	1.5	< 2	1.18	< 0.5	10	91	26	2.59	1.91	1.09
276109	201	202	< 5	< 0.2	5.59	800	0.5	< 2	2.42	0.5	3	8	27	1.20	1.59	0.45
276110	201	202	< 5	< 0.2	4.42	1190	0.5	< 2	2.22	0.5	9	77	30	1.90	1.17	0.86
276111	201	202	< 5	< 0.2	5.75	1180	1.5	6	1.37	< 0.5	14	141	27	3.12	1.54	1.23
276112	201	202	< 5	< 0.2	6.13	1100	1.0	6	0.80	0.5	6	72	14	2.18	1.68	0.68
276113	201	202	< 5	< 0.2	6.02	1120	1.5	< 2	1.22	< 0.5	11	104	28	3.00	1.58	1.10
276114	201	202	< 5	< 0.2	2.75	660	0.5	< 2	2.59	1.0	7	33	42	1.30	0.66	0.36
276115	201	202	< 5	< 0.2	5.62	1160	1.0	6	0.55	< 0.5	5	73	19	2.46	1.61	0.69
276116	201	202	20	< 0.2	4.94	1190	1.0	< 2	2.38	0.5	9	78	211	2.10	1.22	0.69
276117	201	202	< 5	< 0.2	4.67	430	0.5	< 2	0.68	0.5	7	50	36	2.55	0.59	0.31
276118	201	202	< 5	< 0.2	5.73	880	1.0	< 2	1.86	0.5	3	23	33	1.46	1.41	0.51
276119	201	202	< 5	< 0.2	6.09	1010	1.5	< 2	1.97	0.5	11	36	45	2.24	1.47	0.57
276120	201	202	< 5	< 0.2	6.09	1470	1.5	< 2	1.51	0.5	15	97	67	3.05	1.25	1.15
276121	201	202	< 5	< 0.2	4.67	1020	1.0	< 2	0.68	< 0.5	7	86	17	2.39	1.17	0.79

CERTIFICATION:

David Terry



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project : 6410
Comments : ATTN:DAVID TERRY-VANCOUVER OFFICE

Page : 3-B
Total Pages : 6
Certificate Date: 05-SEP-97
Invoice No. : 19739548
P.O. Number :
Account : GP W

CERTIFICATE OF ANALYSIS A9739548

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
276082	201 202	700	3	0.61	101	1320	12	267	0.16	128	< 10	162			
276083	201 202	495	1	1.79	65	870	6	428	0.14	43	< 10	52			
276084	201 202	305	2	1.10	30	420	8	204	0.30	123	< 10	58			
276085	201 202	1840	4	0.64	128	980	< 2	248	0.06	17	< 10	58			
276086	201 202	1670	1	0.59	177	990	4	300	0.08	30	< 10	38			
276087	201 202	875	< 1	0.95	119	740	6	182	0.22	106	< 10	80			
276088	201 202	400	1	1.28	98	320	6	243	0.27	114	< 10	70			
276089	201 202	300	1	2.09	17	440	6	542	0.14	25	< 10	34			
276090	201 202	780	1	1.75	51	550	16	392	0.19	146	< 10	80			
276091	201 202	415	2	2.31	32	530	8	455	0.23	80	< 10	72			
276092	201 202	540	1	1.32	135	580	4	234	0.25	102	< 10	112			
276093	201 202	650	1	1.11	54	740	2	412	0.09	22	< 10	26			
276094	201 202	490	< 1	0.61	45	1360	4	448	0.16	80	< 10	40			
276095	201 202	285	< 1	0.55	80	680	10	176	0.18	128	< 10	64			
276096	201 202	990	1	1.18	133	760	6	326	0.13	62	< 10	46			
276097	201 202	620	1	0.98	331	640	4	228	0.14	92	< 10	80			
276098	201 202	750	1	1.02	69	1120	6	235	0.17	78	< 10	80			
276099	201 202	3780	2	0.52	59	1030	6	189	0.17	87	< 10	102			
276100	201 202	505	< 1	0.72	77	1180	12	107	0.29	133	< 10	110			
276101	201 202	510	< 1	0.98	82	680	10	91	0.37	128	< 10	86			
276102	201 202	685	< 1	0.75	61	780	12	60	0.40	148	< 10	94			
276103	201 202	565	< 1	0.78	63	390	12	87	0.37	138	< 10	86			
276104	201 202	515	< 1	0.98	65	950	6	185	0.29	119	< 10	106			
276105	201 202	515	< 1	0.77	65	860	6	140	0.23	108	< 10	94			
276106	201 202	635	< 1	0.84	66	840	6	154	0.25	111	< 10	94			
276107	201 202	840	< 1	0.56	67	1140	< 2	187	0.11	62	< 10	74			
276108	201 202	470	< 1	1.60	52	560	8	281	0.26	97	< 10	78			
276109	201 202	550	1	2.09	15	770	< 2	429	0.13	23	< 10	44			
276110	201 202	845	< 1	0.67	55	1070	4	141	0.17	87	< 10	76			
276111	201 202	485	< 1	1.06	69	650	4	145	0.41	144	< 10	76			
276112	201 202	325	1	1.42	21	350	6	222	0.29	120	< 10	78			
276113	201 202	440	< 1	1.40	49	900	4	191	0.43	136	< 10	74			
276114	201 202	1310	< 1	0.56	19	1330	< 2	134	0.10	51	< 10	42			
276115	201 202	245	1	0.99	26	350	4	133	0.29	145	< 10	66			
276116	201 202	910	1	0.68	46	1780	4	174	0.18	87	< 10	52			
276117	201 202	685	3	2.15	16	1240	4	127	0.20	86	< 10	54			
276118	201 202	275	1	1.92	23	1220	< 2	408	0.16	38	< 10	40			
276119	201 202	2970	3	1.97	32	1590	< 2	429	0.16	46	< 10	46			
276120	201 202	1820	1	0.98	58	1390	6	146	0.34	151	< 10	88			
276121	201 202	300	< 1	0.86	38	600	4	113	0.31	126	< 10	60			

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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page: 4-A
Total: 6
Certificate Date: 05-SEP-97
Invoice No.: 19739548
P.O. Number:
Account: GPW

CERTIFICATE OF ANALYSIS

A9739548

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
276122	201 202	< 5	< 0.2	5.61	920	0.5	2	0.84	0.5	4	84	19	1.92	1.56	0.52
276123	201 202	< 5	< 0.2	5.49	1070	1.5	< 2	1.88	0.5	9	31	69	2.08	1.21	0.51
276124	201 202	< 5	< 0.2	5.06	1030	1.0	2	0.36	< 0.5	5	72	14	2.56	1.36	0.68
276125	201 202	< 5	< 0.2	5.59	990	1.0	2	1.73	0.5	5	16	26	1.64	1.32	0.47
276126	201 202	< 5	< 0.2	6.63	1030	1.0	< 2	1.40	0.5	5	38	35	1.80	1.77	0.59
276127	201 202	< 5	< 0.2	4.70	850	0.5	< 2	2.28	1.0	8	23	31	1.45	1.17	0.54
276128	201 202	< 5	< 0.2	5.61	980	1.0	< 2	1.88	< 0.5	7	49	31	1.86	1.37	0.75
276129	201 202	< 5	< 0.2	4.89	900	1.0	< 2	2.25	0.5	9	50	34	1.87	1.26	0.76
276130	201 202	< 5	< 0.2	6.17	1040	1.0	< 2	1.24	< 0.5	16	125	34	3.62	1.49	1.39
276131	201 202	< 5	< 0.2	5.62	1040	1.0	< 2	0.79	0.5	16	224	20	3.79	1.48	1.36
276132	201 202	not/ss	< 0.2	3.43	910	0.5	< 2	2.25	2.0	6	55	42	1.31	0.85	0.56
276133	201 202	< 5	< 0.2	4.98	1060	1.0	2	2.02	1.5	8	81	42	1.96	1.15	0.87
276134	201 202	< 5	< 0.2	4.08	680	0.5	< 2	2.41	1.0	4	17	32	1.08	0.84	0.43
276135	201 202	< 5	< 0.2	5.21	1060	1.0	6	0.88	0.5	4	85	7	1.88	1.60	0.58
276136	201 202	< 5	< 0.2	6.74	910	1.0	4	1.57	0.5	12	92	19	2.65	1.83	0.92
276137	201 202	< 5	< 0.2	6.60	1050	1.5	< 2	1.46	< 0.5	6	60	23	2.28	1.85	0.78
276138	201 202	< 5	< 0.2	4.83	1240	0.5	< 2	2.04	0.5	11	79	48	1.74	1.19	0.66
276139	201 202	< 5	< 0.2	4.84	1270	1.0	< 2	1.85	1.0	8	97	25	1.96	1.36	1.03
276140	201 202	< 5	< 0.2	6.28	810	1.0	< 2	2.40	< 0.5	5	15	74	1.65	1.43	0.60
276141	201 202	< 5	< 0.2	4.67	1200	1.0	< 2	1.36	1.5	9	115	37	1.91	1.30	0.99
276142	201 202	< 5	< 0.2	4.72	1390	1.5	< 2	1.74	1.5	10	76	49	2.28	1.41	0.74
276143	201 202	< 5	< 0.2	6.12	1810	2.0	2	0.74	1.5	13	114	69	3.48	1.99	1.19
276144	201 202	< 5	< 0.2	5.43	1450	1.0	8	0.62	0.5	6	90	20	2.18	1.56	0.60
276145	201 202	< 5	< 0.2	4.37	1170	1.0	< 2	2.14	2.0	15	52	61	2.61	1.25	0.62
276146	201 202	< 5	< 0.2	5.60	1650	1.5	< 2	0.79	1.0	12	107	53	2.84	1.79	1.10
276147	201 202	< 5	< 0.2	5.45	1190	1.0	< 2	0.67	0.5	8	86	11	2.39	1.58	0.81
276148	201 202	< 5	< 0.2	5.60	2130	1.5	2	0.73	1.0	12	110	89	2.73	1.80	1.07
276149	201 202	< 5	< 0.2	3.05	660	0.5	< 2	3.00	0.5	4	13	34	1.04	0.75	0.40
276150	201 202	< 5	< 0.2	4.64	1350	1.0	< 2	1.65	0.5	9	96	42	2.19	1.38	0.98
276151	201 202	< 5	< 0.2	4.55	1420	1.0	< 2	1.86	1.5	11	93	57	2.21	1.42	1.04
276152	201 202	< 5	< 0.2	4.12	1180	1.0	< 2	1.94	0.5	14	120	55	2.14	1.25	1.44
276153	201 202	< 5	< 0.2	3.48	950	0.5	< 2	2.19	1.5	9	63	39	1.38	0.97	0.68
276154	201 202	< 5	< 0.2	5.53	1480	1.5	< 2	1.13	1.0	14	94	40	2.84	1.71	1.04
276155	201 202	< 5	< 0.2	5.37	1500	1.5	< 2	0.96	0.5	12	101	30	2.95	1.67	1.12
276156	201 202	< 5	< 0.2	4.86	1490	1.5	< 2	1.45	1.5	13	88	44	2.85	1.51	0.99
276157	201 202	< 5	< 0.2	6.02	1710	1.5	< 2	0.82	0.5	16	120	47	3.18	1.90	1.34
276158	201 202	< 5	< 0.2	4.96	1350	1.0	< 2	1.62	0.5	10	77	32	2.26	1.44	0.95
276159	201 202	< 5	< 0.2	5.17	1330	1.0	2	1.12	0.5	8	86	32	2.25	1.58	0.96
276160	201 202	< 5	< 0.2	4.50	1140	1.0	< 2	1.81	0.5	11	76	30	2.45	1.25	0.95
276161	201 202	< 5	< 0.2	5.80	960	1.0	2	2.18	0.5	21	128	66	4.16	0.92	1.99

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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page: 4-B
Total Pages: 6
Certificate Date: 05-SEP-97
Invoice No.: 19739548
P.O. Number:
Account: GPW

CERTIFICATE OF ANALYSIS

A9739548

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
276122	201 202	330	< 1	1.47	20	660	< 2	205	0.37	110	< 10	84			
276123	201 202	730	1	1.55	28	2190	< 1	336	0.18	59	< 10	50			
276124	201 202	260	3	0.75	26	440	< 1	82	0.30	155	< 10	60			
276125	201 202	1115	1	1.96	19	1350	6	433	0.15	41	< 10	44			
276126	201 202	345	1	2.16	21	790	4	423	0.22	72	< 10	64			
276127	201 202	2410	1	1.61	27	1260	4	372	0.15	44	< 10	56			
276128	201 202	675	1	1.58	36	930	4	326	0.22	71	< 10	52			
276129	201 202	650	< 1	1.28	39	1050	< 2	273	0.20	75	< 10	62			
276130	201 202	700	< 1	1.24	59	800	< 2	164	0.51	167	< 10	82			
276131	201 202	860	1	1.21	86	1160	8	172	0.31	159	< 10	108			
276132	201 202	385	< 1	0.55	56	1160	6	147	0.11	66	< 10	86			
276133	201 202	395	< 1	0.95	53	1180	10	190	0.23	106	< 10	100			
276134	201 202	580	1	1.31	38	940	< 2	326	0.11	26	< 10	44			
276135	201 202	300	1	1.15	17	480	6	157	0.34	133	< 10	56			
276136	201 202	575	1	2.16	36	770	< 2	384	0.36	103	< 10	76			
276137	201 202	370	1	2.13	26	570	4	399	0.31	92	< 10	64			
276138	201 202	885	< 1	1.15	65	970	4	242	0.17	83	< 10	90			
276139	201 202	365	< 1	1.07	70	890	4	224	0.21	101	< 10	92			
276140	201 202	425	1	2.39	16	510	< 2	537	0.19	46	< 10	46			
276141	201 202	350	< 1	0.71	73	980	< 2	132	0.23	121	< 10	140			
276142	201 202	535	< 1	0.66	47	990	8	136	0.21	134	< 10	132			
276143	201 202	690	1	0.64	95	1030	14	119	0.30	216	< 10	158			
276144	201 202	515	1	0.79	31	890	8	129	0.28	165	< 10	90			
276145	201 202	1365	1	0.84	66	1040	6	197	0.16	97	< 10	114			
276146	201 202	935	1	0.67	93	910	8	120	0.30	184	< 10	122			
276147	201 202	500	1	0.95	39	620	4	143	0.28	142	< 10	96			
276148	201 202	420	< 1	0.65	91	860	10	115	0.29	202	< 10	154			
276149	201 202	630	< 1	0.95	30	900	< 2	306	0.09	28	< 10	44			
276150	201 202	490	1	0.72	65	910	8	160	0.21	133	< 10	110			
276151	201 202	755	1	0.71	94	1010	12	190	0.20	141	< 10	126			
276152	201 202	680	< 1	0.63	177	850	10	167	0.17	115	< 10	114			
276153	201 202	2360	1	0.66	87	980	4	193	0.12	76	< 10	102			
276154	201 202	795	1	0.77	68	880	12	136	0.25	149	< 10	118			
276155	201 202	635	1	0.75	61	840	10	134	0.27	149	< 10	114			
276156	201 202	680	< 1	0.63	79	890	10	114	0.24	133	< 10	108			
276157	201 202	870	1	0.76	105	960	12	121	0.32	172	< 10	120			
276158	201 202	620	3	0.70	62	910	6	152	0.19	116	< 10	132			
276159	201 202	435	< 1	0.80	54	890	8	146	0.24	133	< 10	108			
276160	201 202	925	< 1	0.74	54	830	6	151	0.24	120	< 10	112			
276161	201 202	875	< 1	1.23	99	750	4	177	0.44	177	< 10	106			

CERTIFICATION:

Hart Buchler



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page: 5-A
Total: 6
Certificate Date: 05-SEP-97
Invoice No.: I9739548
P.O. Number:
Account: GPW

CERTIFICATE OF ANALYSIS

A9739548

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
276162	201 202	< 5	< 0.2	5.46	930	1.0	< 2	1.95	0.5	36	217	67	4.60	1.23	2.65
276163	201 202	< 5	< 0.2	4.78	1230	1.0	< 2	0.92	0.5	10	98	27	2.43	1.36	0.97
276164	201 202	< 5	< 0.2	5.74	1320	1.5	< 2	1.11	0.5	16	160	45	3.09	1.85	1.94
276165	201 202	< 5	< 0.2	5.58	1190	1.0	< 2	0.74	1.0	20	144	19	3.19	1.60	1.32
276166	201 202	< 5	< 0.2	5.83	1140	1.0	< 2	1.15	1.0	17	98	28	3.16	1.56	1.15
276167	201 202	< 5	< 0.2	3.87	1140	1.0	< 2	2.62	0.5	5	50	71	1.59	1.07	0.69
276168	201 202	< 5	< 0.2	5.27	1540	1.5	< 2	0.69	0.5	10	94	30	2.59	1.73	1.16
276169	201 202	< 5	< 0.2	3.05	600	0.5	< 2	3.81	0.5	3	14	32	0.89	0.76	0.46
276170	201 202	< 5	< 0.2	3.16	790	0.5	< 2	4.09	0.5	3	11	66	0.80	0.76	0.40
276171	201 202	< 5	< 0.2	2.18	580	< 0.5	< 2	3.86	0.5	1	6	20	0.53	0.55	0.37
276172	201 202	145	< 0.2	5.18	1060	0.5	< 2	1.36	1.0	12	78	22	2.62	1.33	0.78
276173	201 202	< 5	< 0.2	2.49	810	0.5	< 2	3.98	1.0	5	33	55	0.95	0.69	0.64
276174	201 202	< 5	< 0.2	6.05	1250	1.0	< 2	1.26	2.0	6	45	22	1.79	1.83	0.66
276175	201 202	< 5	< 0.2	5.93	1700	1.5	< 2	0.75	0.5	14	99	53	3.04	1.86	1.05
276176	201 202	< 5	0.4	5.02	1180	1.5	< 2	2.10	1.5	10	51	83	1.88	1.43	0.68
276177	201 202	< 5	0.4	1.70	400	< 0.5	< 2	3.13	1.0	15	21	37	3.02	0.43	0.42
276178	201 202	< 5	< 0.2	4.54	1030	1.0	< 2	1.84	1.5	10	39	42	1.73	1.26	0.54
276179	201 202	< 5	< 0.2	4.73	1390	1.0	< 2	1.41	1.0	8	83	28	1.92	1.48	0.87
276180	201 202	< 5	< 0.2	4.59	1140	1.0	< 2	1.86	0.5	5	70	35	1.51	1.35	0.78
276181	201 202	< 5	< 0.2	4.61	1320	1.0	< 2	1.36	0.5	10	96	30	2.28	1.41	0.86
276182	201 202	< 5	< 0.2	3.77	1070	0.5	< 2	2.26	1.0	10	57	38	1.99	1.04	0.66
276183	201 202	< 5	< 0.2	3.21	870	0.5	< 2	2.45	0.5	4	27	28	1.04	0.86	0.49
276184	201 202	< 5	< 0.2	5.35	1660	1.5	4	0.76	1.0	14	133	40	2.93	1.67	1.28
276185	201 202	< 5	< 0.2	5.77	1680	1.5	< 2	0.71	1.0	12	101	47	2.99	1.81	1.07
276186	201 202	< 5	< 0.2	5.99	1690	1.5	10	0.83	0.5	13	93	45	2.82	1.89	1.09
276187	201 202	< 5	< 0.2	6.51	1840	2.0	2	0.63	0.5	17	119	55	3.64	1.90	1.39
276188	201 202	< 5	< 0.2	5.08	1710	1.5	2	1.21	2.0	8	85	48	2.14	1.47	0.91
276189	201 202	< 5	< 0.2	6.11	1660	1.5	< 2	1.05	1.0	10	101	43	2.42	1.79	0.99
276190	201 202	< 5	< 0.2	4.88	1400	1.5	< 2	1.27	1.0	11	94	46	2.28	1.48	0.96
276191	201 202	< 5	< 0.2	6.86	1980	2.0	8	0.93	1.5	13	122	69	3.23	1.81	1.23
276192	201 202	< 5	< 0.2	5.73	1100	1.0	2	0.80	< 0.5	11	120	21	2.95	1.58	1.16
276193	201 202	< 5	< 0.2	5.23	630	0.5	4	1.42	0.5	10	85	25	3.64	0.95	0.99
276194	201 202	< 5	< 0.2	6.67	990	1.0	16	2.32	0.5	20	101	61	3.96	1.48	1.69
276195	201 202	< 5	< 0.2	5.73	940	0.5	< 2	1.21	0.5	17	122	14	3.23	1.18	1.23
276196	201 202	< 5	< 0.2	4.98	1100	1.0	< 2	1.37	0.5	16	143	32	2.85	1.43	1.79
276197	201 202	< 5	< 0.2	6.24	1290	1.5	< 2	1.04	0.5	32	331	60	4.24	1.68	4.54
276198	201 202	< 5	< 0.2	4.92	1030	1.0	2	2.33	0.5	10	42	44	1.89	1.16	0.77
276199	201 202	< 5	< 0.2	6.35	890	1.5	2	2.02	0.5	20	31	363	2.63	1.28	0.56
276200	201 202	< 5	< 0.2	5.06	1250	1.5	< 2	1.43	0.5	14	123	173	2.64	1.22	1.49
276201	201 202	< 5	< 0.2	6.05	820	0.5	8	1.22	< 0.5	8	76	26	2.59	1.50	0.81

CERTIFICATION:

David Terry



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page: 5-B
Total Pages: 6
Certificate Date: 05-SEP-97
Invoice No.: 19739548
P.O. Number:
Account: GPW

CERTIFICATE OF ANALYSIS

A9739548

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
276162	201 202	1090	< 1	0.97	154	710	4	120	0.42	189	< 10	118			
276163	201 202	365	< 1	0.81	56	600	4	132	0.28	128	< 10	70			
276164	201 202	450	< 1	0.79	135	860	10	130	0.32	149	< 10	110			
276165	201 202	935	< 1	0.90	74	660	10	141	0.30	134	< 10	92			
276166	201 202	825	< 1	1.30	74	710	10	244	0.27	120	< 10	82			
276167	201 202	335	< 1	0.59	75	1030	8	191	0.11	65	< 10	68			
276168	201 202	425	2	0.58	64	610	10	93	0.29	192	< 10	116			
276169	201 202	225	< 1	0.86	32	880	2	326	0.09	30	< 10	56			
276170	201 202	415	< 1	0.93	27	930	4	340	0.08	20	< 10	32			
276171	201 202	300	< 1	0.71	12	830	< 2	270	0.06	13	< 10	54			
276172	201 202	470	1	1.10	34	440	8	214	0.23	110	< 10	92			
276173	201 202	640	< 1	0.52	34	1020	6	234	0.08	41	< 10	60			
276174	201 202	335	1	1.58	23	420	4	315	0.23	91	< 10	70			
276175	201 202	590	1	0.65	63	460	12	114	0.29	148	< 10	100			
276176	201 202	1140	1	1.11	73	1000	8	279	0.14	84	< 10	62			
276177	201 202	6430	2	0.32	41	940	< 2	173	0.05	33	< 10	102			
276178	201 202	370	3	1.10	50	970	6	260	0.15	76	< 10	116			
276179	201 202	260	< 1	0.71	47	980	8	147	0.25	137	< 10	114			
276180	201 202	320	< 1	0.85	46	910	6	195	0.19	102	< 10	92			
276181	201 202	575	< 1	0.64	52	960	10	136	0.24	141	< 10	96			
276182	201 202	1345	1	0.68	53	1170	6	216	0.16	90	< 10	108			
276183	201 202	905	1	0.74	33	810	4	248	0.10	50	< 10	66			
276184	201 202	500	1	0.66	92	1120	10	115	0.29	191	< 10	140			
276185	201 202	550	< 1	0.73	78	1000	10	114	0.30	176	< 10	124			
276186	201 202	555	< 1	0.78	62	970	14	136	0.32	170	< 10	122			
276187	201 202	635	1	0.67	106	900	12	104	0.33	179	< 10	136			
276188	201 202	850	2	0.53	48	1020	6	112	0.23	136	< 10	184			
276189	201 202	430	< 1	0.87	72	890	24	166	0.27	163	< 10	136			
276190	201 202	470	< 1	0.73	87	890	14	141	0.24	136	< 10	116			
276191	201 202	585	2	0.63	100	960	14	114	0.31	224	< 10	180			
276192	201 202	445	1	0.92	63	320	6	136	0.35	154	< 10	74			
276193	201 202	635	< 1	1.11	29	280	4	154	0.52	179	< 10	64			
276194	201 202	825	< 1	1.46	58	760	4	248	0.45	182	< 10	116			
276195	201 202	605	1	1.08	45	300	6	146	0.43	165	< 10	92			
276196	201 202	630	1	0.83	106	890	6	129	0.33	138	< 10	90			
276197	201 202	690	< 1	0.73	446	750	8	109	0.37	171	< 10	122			
276198	201 202	3320	1	1.20	96	840	4	304	0.16	69	< 10	76			
276199	201 202	810	1	1.79	64	850	4	408	0.14	63	< 10	138			
276200	201 202	440	1	0.65	116	780	10	122	0.28	165	< 10	120			
276201	201 202	335	1	1.42	23	250	6	274	0.34	133	< 10	54			

CERTIFICATION:

David Terry



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page: 6-A
Total Pages: 6
Certificate Date: 05-SEP-97
Invoice No.: I9739548
P.O. Number:
Account: GP W

CERTIFICATE OF ANALYSIS A9739548

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
276202	201	202	< 5	< 0.2	5.50	1420	1.5	2	0.83	0.5	12	113	39	2.66	1.81	1.24
276203	201	202	< 5	< 0.2	7.42	1390	1.5	< 2	2.09	0.5	6	34	39	1.96	2.10	0.62
276204	201	202	< 5	< 0.2	3.69	630	0.5	< 2	3.76	0.5	3	9	29	0.88	1.00	0.33
276205	201	202	< 5	< 0.2	4.52	880	0.5	< 2	3.25	0.5	4	18	25	1.12	1.20	0.46
276206	201	202	< 5	< 0.2	5.11	1680	1.5	< 2	1.32	1.0	12	78	36	2.36	1.53	0.93
276207	201	202	< 5	< 0.2	6.55	1430	0.5	< 2	1.06	0.5	7	62	16	2.59	1.35	0.62
276208	201	202	< 5	< 0.2	4.72	1180	1.0	< 2	3.08	0.5	4	36	38	1.27	1.38	0.58
276209	201	202	< 5	< 0.2	4.97	1140	1.0	< 2	2.47	0.5	7	55	42	1.89	1.64	0.73
276210	201	202	< 5	< 0.2	3.47	940	0.5	< 2	3.03	0.5	4	23	53	1.09	0.88	0.50
276211	201	202	< 5	< 0.2	6.10	930	1.0	< 2	0.93	0.5	10	81	20	2.22	1.94	0.96
276212	201	202	< 5	< 0.2	5.42	1500	1.5	< 2	1.15	1.0	13	125	59	2.90	1.67	1.43
276213	201	202	< 5	< 0.2	5.76	1710	1.5	2	1.06	0.5	17	112	49	3.11	1.91	1.32

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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page: 6-B
Total Pages: 6
Certificate Date: 05-SEP-97
Invoice No.: 19739548
P.O. Number:
Account: GP W

CERTIFICATE OF ANALYSIS

A9739548

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
276202	201	202	430	1	0.66	94	800	12	125	0.28	173	< 10	112			
276203	201	202	445	3	1.98	35	500	8	461	0.17	75	< 10	82			
276204	201	202	350	< 1	1.14	10	790	4	387	0.09	22	< 10	44			
276205	201	202	270	1	1.21	20	550	< 2	329	0.12	39	< 10	60			
276206	201	202	1085	1	0.50	57	680	12	117	0.21	160	< 10	112			
276207	201	202	485	< 1	0.82	21	250	16	192	0.34	132	< 10	124			
276208	201	202	355	< 1	0.80	26	640	4	253	0.13	68	< 10	66			
276209	201	202	520	< 1	0.75	41	750	8	202	0.20	91	< 10	98			
276210	201	202	455	1	0.84	28	860	4	272	0.09	41	< 10	62			
276211	201	202	590	1	1.08	23	310	10	198	0.28	124	< 10	146			
276212	201	202	485	< 1	0.66	77	830	12	124	0.28	163	< 10	114			
276213	201	202	705	3	0.82	67	810	12	182	0.28	148	< 10	104			

CERTIFICATION:

David Terry



Chemex Labs Ltd.

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

To: WESTMIN RESOURCES LTD.

P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

INVOICE NUMBER

I 9 7 3 9 5 4 9

BILLING INFORMATION

Date: 5-SEP-97
Project: 6410
P.O. No.:
Account: GP W

Comments: ATTN:DAVID TERRY-VANCOUVER
OFFICE

Billing: For analysis performed on
Certificate A9739549

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
98	201 - Dry, sieve to -80 mesh	1.25		
	202 - save reject	0.85		
	ICP-24	10.50		
	983 - Au ppb FA+AA	9.75	22.35	2190.30
				Total Cost \$ 2190.30
				Client Discount (25%) \$ -547.58
				Net Cost \$ 1642.72
				(Reg# R100938885) GST \$ 114.99
				TOTAL PAYABLE (CDN) \$ 1757.71



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

QC F: 1-A
Tot Q: 1
Date: 05-SEP-97
Invoice #: 19739549
P.O. #: GPW

QC DATA OF CERTIFICATE

A9739549

STD/DUP/BLANK DESCRIPTION	QC PAGE TYPE	PAGE NO.	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
ADS-1	Std2	1	460	----	----	----	----	----	----	----	----	----	----	----	----	----
ADS-1	Std2	2	460	----	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	---	---	470	----	----	----	----	----	----	----	----	----	----	----	----	----
BL-C	Blnk	1	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
BL-C	Blnk	2	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	---	---	< 5	----	----	----	----	----	----	----	----	----	----	----	----	----
CR-1	Std1	1	915	----	----	----	----	----	----	----	----	----	----	----	----	----
CR-1	Std1	2	915	----	----	----	----	----	----	----	----	----	----	----	----	----
CR-1	Std1	3	880	----	----	----	----	----	----	----	----	----	----	----	----	----
CHEMEX MEAN	---	---	923	----	----	----	----	----	----	----	----	----	----	----	----	----
G96-TOT	Std1	1	-----	-----	7.55	1100	1.0	4	2.07	0.5	17	98	181	4.73	1.79	1.02
G96-TOT	Std2	1	-----	-----	7.56	1130	1.0	2	2.04	0.5	16	95	181	4.78	1.77	1.02
G96-TOT	Std1	2	-----	-----	7.47	1090	1.0	2	2.02	0.5	16	94	182	4.70	1.75	1.01
G96-TOT	Std2	2	-----	-----	7.43	1200	1.0	2	1.98	1.0	16	93	180	4.63	1.75	0.99
G96-TOT	Std1	3	-----	-----	7.70	1120	1.0	< 2	2.08	0.5	17	98	186	4.84	1.82	1.03
CHEMEX MEAN	---	---	-----	-----	7.60	1135	1.1	8	2.13	0.9	17	98	177	4.60	1.82	1.00
GEO-96	Std1	1	-----	4.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std2	1	-----	5.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std1	2	-----	5.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std2	2	-----	5.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std1	3	-----	5.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	5.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-G2	Blnk	1	-----	< 0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-G2	Blnk	2	-----	< 0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	< 0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-T4	Blnk	1	-----	-----	0.25	30	< 0.5	< 2	0.02	< 0.5	< 1	6	3	0.07	0.05	0.01
SIO2-T4	Blnk	2	-----	-----	0.25	40	< 0.5	< 2	0.02	< 0.5	< 1	5	3	0.07	0.05	0.01
CHEMEX MEAN	---	---	-----	-----	0.26	30	0.5	2	0.03	1.0	1	1	3	0.07	0.05	0.01
273501	Dup1-01		10	< 0.2	7.05	570	0.5	2	3.25	< 0.5	18	146	36	4.68	1.11	1.97
	Orig1-01		< 5	< 0.2	6.91	570	0.5	< 2	3.12	< 0.5	18	143	35	4.66	1.15	1.95
273541	Dup2-01		not/ss	< 0.2	5.25	1480	1.5	< 2	1.04	0.5	8	74	29	3.36	1.53	0.84
	Orig2-01		< 5	< 0.2	5.28	1500	1.5	< 2	1.05	< 0.5	8	75	30	3.39	1.57	0.85
273583	Dup3-01		not/ss	< 0.2	5.46	1080	0.5	2	1.12	< 0.5	9	190	25	2.42	1.25	1.60
	Orig3-01		< 5	< 0.2	5.49	1090	0.5	< 2	1.11	< 0.5	9	196	24	2.42	1.27	1.58

CERTIFICATION:

David Buchler



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

QC F : 1-B
Tot QC, g: 1
Date: 05-SEP-97
Invoice #: 19739549
P.O. #: GP W

QC DATA OF CERTIFICATE

A9739549

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
ADS-1	Std2	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
ADS-1	Std2	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
BL-C	Blnk	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
BL-C	Blnk	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
CR-1	Std1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
CR-1	Std1	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
CR-1	Std1	3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
Q96-TOT	Std1	1	1020	8	0.97	25	610	-----	211	0.34	157	10	186			
Q96-TOT	Std2	1	1020	7	0.94	23	600	-----	212	0.33	157	< 10	180			
Q96-TOT	Std1	2	1010	8	0.96	24	590	-----	209	0.34	154	10	180			
Q96-TOT	Std2	2	1005	8	0.96	23	570	-----	211	0.32	151	10	176			
Q96-TOT	Std1	3	1040	8	0.96	25	630	-----	206	0.33	159	10	186			
CHEMEX MEAN	---	---	1025	8	1.00	24	624	-----	236	0.34	160	< 10	185			
GEO-96	Std1	1	-----	-----	-----	-----	-----	120	-----	-----	-----	-----	-----			
GEO-96	Std2	1	-----	-----	-----	-----	-----	120	-----	-----	-----	-----	-----			
GEO-96	Std1	2	-----	-----	-----	-----	-----	120	-----	-----	-----	-----	-----			
GEO-96	Std2	2	-----	-----	-----	-----	-----	120	-----	-----	-----	-----	-----			
GEO-96	Std1	3	-----	-----	-----	-----	-----	120	-----	-----	-----	-----	-----			
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	125	-----	-----	-----	-----	-----			
SIO2-Q2	Blnk	1	-----	-----	-----	-----	-----	4	-----	-----	-----	-----	-----			
SIO2-Q2	Blnk	2	-----	-----	-----	-----	-----	4	-----	-----	-----	-----	-----			
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	< 2	-----	-----	-----	-----	-----			
SIO2-T4	Blnk	1	< 5	< 1	0.03	< 1	250	-----	248	0.01	4	< 10	2			
SIO2-T4	Blnk	2	< 5	< 1	0.03	< 1	240	-----	250	0.01	4	< 10	2			
CHEMEX MEAN	---	---	5	1	0.01	1	248	-----	269	0.01	4	10	2			
273501	Dup1-01		755	< 1	1.38	44	590	4	195	0.60	198	< 10	64			
	Orig1-01		755	< 1	1.32	42	570	4	190	0.58	196	< 10	62			
273541	Dup2-01		430	< 1	0.96	34	1810	18	119	0.32	155	< 10	124			
	Orig2-01		435	1	0.98	36	1840	16	122	0.32	155	< 10	126			
273583	Dup3-01		310	< 1	1.11	96	320	6	156	0.25	116	< 10	52			
	Orig3-01		315	< 1	1.15	94	320	8	170	0.26	115	< 10	48			

CERTIFICATION:

Hart Buchler



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

A9739549

Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

CERTIFICATE

A9739549

(GP W) - WESTMIN RESOURCES LTD.

Project: 6410
P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 5-SEP-97.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	98	Dry, sieve to -80 mesh
202	98	save reject
285	98	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	98	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	98	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	98	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	98	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	98	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	98	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	98	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	98	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	98	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	98	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	98	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	98	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	98	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	98	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	98	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	98	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	98	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	98	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	98	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	98	Pb ppm: 24 element, rock & core	AAS	2	10000
582	98	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	98	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	98	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	98	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	98	Zn ppm: 24 element, rock & core	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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page per :1-A
Total Pages :3
Certificate Date: 05-SEP-97
Invoice No. :19739549
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS

A9739549

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
273501	201	202	< 5	< 0.2	6.91	570	0.5	< 2	3.12	< 0.5	18	143	35	4.66	1.15	1.95
273502	201	202	< 5	< 0.2	7.14	500	0.5	< 2	3.79	< 0.5	19	145	30	4.64	1.10	1.87
273503	201	202	< 5	< 0.2	6.84	580	0.5	2	2.97	< 0.5	24	143	49	4.62	1.19	2.11
273504	201	202	< 5	< 0.2	5.80	770	0.5	2	1.56	< 0.5	18	110	59	3.25	1.22	1.73
273505	201	202	< 5	< 0.2	5.10	700	0.5	2	1.53	< 0.5	8	91	25	2.95	1.01	0.83
273506	201	202	< 5	< 0.2	6.80	560	0.5	< 2	2.88	< 0.5	18	137	29	4.50	1.12	1.95
273507	201	202	< 5	< 0.2	7.19	690	0.5	< 2	3.09	< 0.5	25	150	59	4.68	1.25	2.19
273508	201	202	< 5	< 0.2	6.53	700	1.0	< 2	2.44	< 0.5	16	105	46	3.77	1.22	1.45
273509	201	202	< 5	< 0.2	5.73	810	1.5	2	0.59	< 0.5	8	77	73	2.92	0.85	0.84
273510	201	202	< 5	< 0.2	6.25	780	1.0	< 2	1.42	< 0.5	6	47	18	2.22	1.57	0.66
273511	201	202	< 5	< 0.2	6.50	1610	1.5	< 2	1.11	< 0.5	11	76	85	3.67	1.63	1.30
273512	201	202	< 5	< 0.2	6.76	1150	1.0	< 2	1.68	< 0.5	21	97	45	4.41	1.33	1.71
273513	201	202	< 5	< 0.2	7.22	1020	1.5	< 2	2.17	< 0.5	23	144	72	5.11	1.31	1.88
273514	201	202	< 5	< 0.2	7.28	970	1.0	2	1.94	< 0.5	20	93	47	4.20	1.41	1.69
273515	201	202	< 5	< 0.2	6.58	740	1.0	< 2	1.80	< 0.5	4	13	21	1.69	1.69	0.57
273516	201	202	< 5	< 0.2	5.98	870	1.0	< 2	1.75	< 0.5	12	77	35	2.82	1.31	1.14
273517	201	202	< 5	< 0.2	6.79	920	1.0	2	2.73	< 0.5	16	98	27	4.50	1.20	1.64
273518	201	202	< 5	< 0.2	6.18	740	0.5	< 2	1.40	< 0.5	3	15	17	1.46	1.65	0.50
273519	201	202	< 5	< 0.2	5.54	1090	0.5	< 2	0.81	< 0.5	6	78	12	2.64	1.32	0.92
273520	201	202	< 5	< 0.2	6.03	1280	1.0	< 2	0.76	< 0.5	15	101	34	3.75	1.40	1.31
273521	201	202	< 5	< 0.2	7.59	1650	2.0	< 2	0.79	< 0.5	16	102	73	3.91	1.43	1.04
273522	201	202	< 5	< 0.2	6.96	740	1.0	2	1.93	< 0.5	4	16	19	1.93	1.75	0.79
273523	201	202	< 5	< 0.2	6.01	1730	1.5	2	0.64	< 0.5	9	73	25	2.41	1.70	0.92
273524	201	202	< 5	< 0.2	7.00	870	1.0	2	1.58	< 0.5	4	15	21	1.69	1.92	0.58
273525	201	202	< 5	< 0.2	6.79	1840	1.5	2	0.49	< 0.5	12	79	32	2.88	1.53	1.04
273526	201	202	< 5	< 0.2	5.36	1290	1.5	< 2	0.74	< 0.5	8	59	21	2.22	1.46	0.69
273527	201	202	< 5	< 0.2	7.17	860	1.0	< 2	1.61	< 0.5	3	7	17	1.49	1.86	0.50
273528	201	202	10	< 0.2	4.81	1560	1.5	2	0.77	< 0.5	9	79	28	2.40	1.39	0.69
273529	201	202	< 5	< 0.2	6.11	1990	1.5	2	0.85	< 0.5	4	51	28	1.86	1.72	0.49
273530	201	202	< 5	< 0.2	7.06	1180	1.0	< 2	1.45	< 0.5	3	22	19	1.66	2.09	0.51
273531	201	202	< 5	2.0	5.41	960	1.0	< 2	0.71	< 0.5	9	110	71	3.16	0.78	0.65
273532	201	202	< 5	< 0.2	5.85	2130	1.5	2	0.87	0.5	4	60	39	2.19	1.67	0.50
273533	201	202	< 5	< 0.2	6.55	1380	1.0	< 2	1.24	< 0.5	3	26	29	1.44	1.51	0.48
273534	201	202	< 5	< 0.2	5.31	2210	1.5	< 2	0.63	< 0.5	6	78	32	2.46	1.53	0.79
273535	201	202	< 5	< 0.2	5.79	2660	1.5	2	0.56	< 0.5	12	74	53	2.78	1.50	0.94
273536	201	202	< 5	< 0.2	5.87	3480	1.5	< 2	0.55	0.5	23	97	73	3.33	1.73	0.83
273537	201	202	< 5	< 0.2	6.78	910	1.0	< 2	1.55	< 0.5	4	14	20	1.55	1.83	0.52
273538	201	202	15	< 0.2	7.80	1910	1.5	< 2	0.87	< 0.5	22	99	45	5.14	1.32	3.01
273539	201	202	< 5	< 0.2	6.15	1330	1.0	2	1.06	< 0.5	14	152	36	4.28	1.15	2.26
273540	201	202	< 5	< 0.2	7.07	1860	1.5	2	1.00	< 0.5	13	126	57	3.91	1.86	1.52

CERTIFICATION:

David Terry



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page per :1-B
Total Pages :3
Certificate Date: 05-SEP-97
Invoice No. :19739549
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9739549

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
273501	201 202	755	< 1	1.32	42	570	4	190	0.58	196	< 10	62			
273502	201 202	670	< 1	1.51	39	430	2	199	0.57	200	< 10	54			
273503	201 202	1020	< 1	1.47	43	560	4	159	0.55	191	< 10	62			
273504	201 202	680	< 1	1.08	41	1090	4	98	0.35	128	< 10	70			
273505	201 202	465	< 1	1.03	22	1320	10	116	0.40	144	< 10	52			
273506	201 202	655	< 1	1.49	37	560	< 2	168	0.58	193	< 10	60			
273507	201 202	980	< 1	1.53	50	630	4	173	0.56	194	< 10	70			
273508	201 202	630	< 1	1.51	32	720	6	226	0.44	167	< 10	70			
273509	201 202	510	< 1	0.68	34	3300	10	82	0.28	121	< 10	84			
273510	201 202	615	< 1	1.78	11	1470	6	319	0.35	106	< 10	44			
273511	201 202	1265	< 1	1.05	36	770	12	126	0.44	150	< 10	80			
273512	201 202	1125	< 1	1.48	45	790	4	163	0.54	172	< 10	80			
273513	201 202	1060	< 1	1.37	65	880	4	226	0.50	207	< 10	82			
273514	201 202	920	< 1	1.69	44	710	4	167	0.53	184	< 10	76			
273515	201 202	370	< 1	2.28	5	840	6	452	0.21	44	< 10	44			
273516	201 202	565	< 1	1.63	39	1220	4	217	0.36	117	< 10	62			
273517	201 202	815	< 1	1.85	46	1270	< 2	224	0.88	203	< 10	66			
273518	201 202	275	< 1	2.16	4	650	8	398	0.18	45	< 10	44			
273519	201 202	320	< 1	1.16	21	240	8	128	0.40	155	< 10	54			
273520	201 202	620	< 1	1.13	41	490	10	110	0.38	142	< 10	80			
273521	201 202	1295	7	0.86	63	1650	20	138	0.24	137	< 10	132			
273522	201 202	355	< 1	2.47	6	1320	8	518	0.22	57	< 10	46			
273523	201 202	525	< 1	1.32	28	500	16	102	0.30	110	< 10	70			
273524	201 202	350	< 1	2.48	6	800	8	459	0.19	44	< 10	48			
273525	201 202	765	< 1	1.58	36	400	14	93	0.32	116	< 10	78			
273526	201 202	530	< 1	1.52	26	560	14	119	0.30	89	< 10	64			
273527	201 202	355	< 1	2.68	1	610	6	493	0.18	32	< 10	46			
273528	201 202	630	< 1	1.07	33	490	8	106	0.33	98	< 10	64			
273529	201 202	440	< 1	1.45	15	760	6	222	0.33	101	< 10	54			
273530	201 202	345	< 1	2.46	8	730	6	429	0.21	50	< 10	52			
273531	201 202	210	1	0.31	83	1730	12	75	0.19	102	< 10	98			
273532	201 202	340	< 1	1.46	19	1400	6	224	0.31	106	< 10	66			
273533	201 202	280	< 1	2.14	8	1280	4	378	0.19	50	< 10	44			
273534	201 202	380	< 1	0.95	32	620	8	111	0.32	125	< 10	76			
273535	201 202	1100	< 1	1.04	30	540	10	107	0.37	128	< 10	74			
273536	201 202	920	2	0.81	47	930	14	98	0.37	156	< 10	96			
273537	201 202	350	1	2.37	5	1720	4	452	0.18	40	< 10	46			
273538	201 202	1125	< 1	1.68	55	1010	< 2	103	0.78	211	< 10	84			
273539	201 202	1045	< 1	1.32	50	800	6	109	0.64	169	< 10	72			
273540	201 202	660	< 1	1.09	58	910	8	105	0.53	165	< 10	96			

CERTIFICATION:

Hart Buchler



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page: 1 of 2-A
Total Pages: 3
Certificate Date: 05-SEP-97
Invoice No.: 19739549
P.O. Number:
Account: GP W

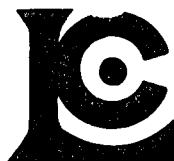
CERTIFICATE OF ANALYSIS

A9739549

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
273541	201 202	< 5	< 0.2	5.28	1500	1.5	< 2	1.05	< 0.5	8	75	30	3.39	1.57	0.85
273542	201 202	< 5	< 0.2	5.26	1360	1.5	2	0.93	< 0.5	5	70	16	3.06	1.38	0.66
273543	201 202	< 5	< 0.2	6.45	1370	1.5	< 2	1.14	0.5	9	60	27	2.88	1.79	0.87
273544	201 202	< 5	< 0.2	7.02	1760	1.5	2	0.63	< 0.5	3	75	15	2.26	2.34	0.63
273545	201 202	< 5	< 0.2	6.20	1600	1.5	2	0.94	< 0.5	3	58	13	2.04	1.75	0.58
273546	201 202	< 5	< 0.2	6.91	1480	1.5	2	0.91	< 0.5	1	52	12	1.55	1.60	0.52
273547	201 202	< 5	< 0.2	7.15	2300	2.0	2	0.77	0.5	6	93	22	2.89	1.84	1.01
273548	201 202	< 5	< 0.2	7.25	1970	2.0	< 2	0.62	< 0.5	4	78	13	2.63	1.85	0.80
273549	201 202	< 5	< 0.2	7.00	910	1.5	< 2	1.51	< 0.5	5	87	33	2.03	1.83	0.80
273550	201 202	< 5	< 0.2	7.38	750	1.0	< 2	0.99	< 0.5	31	146	75	3.85	1.58	1.15
273551	201 202	< 5	< 0.2	5.84	590	0.5	4	1.41	< 0.5	18	302	29	4.57	1.24	1.61
273552	201 202	< 5	< 0.2	7.66	840	1.0	< 2	1.77	< 0.5	4	11	23	1.69	1.64	0.55
273553	201 202	< 5	< 0.2	6.33	1320	1.0	< 2	1.29	< 0.5	5	41	25	2.27	1.77	0.73
273554	201 202	< 5	< 0.2	6.02	1870	1.5	2	1.49	< 0.5	10	87	45	3.80	1.31	1.10
273555	201 202	< 5	< 0.2	5.42	820	0.5	< 2	2.22	< 0.5	5	14	44	1.49	1.32	0.50
273556	201 202	< 5	< 0.2	6.35	1500	1.0	2	0.97	0.5	10	75	31	3.93	1.53	0.74
273557	201 202	< 5	< 0.2	4.66	1350	0.5	< 2	1.00	0.5	6	35	23	1.78	1.33	0.54
273558	201 202	< 5	< 0.2	6.77	1030	1.0	< 2	1.70	< 0.5	7	25	26	2.37	1.71	0.77
273559	201 202	< 5	< 0.2	3.58	710	0.5	2	2.28	< 0.5	6	28	75	1.62	0.60	0.57
273560	201 202	< 5	< 0.2	5.54	1880	1.5	2	0.98	< 0.5	11	83	34	3.93	1.48	0.89
273561	201 202	< 5	< 0.2	4.73	860	0.5	< 2	2.72	< 0.5	5	20	34	1.43	1.27	0.69
273562	201 202	< 5	< 0.2	7.17	1390	1.5	2	1.21	< 0.5	7	81	25	2.02	1.96	0.81
273563	201 202	< 5	< 0.2	6.57	1160	0.5	2	0.89	< 0.5	14	95	22	3.76	1.31	0.85
273564	201 202	< 5	< 0.2	7.21	990	0.5	< 2	1.63	< 0.5	19	235	45	3.44	1.50	1.40
273565	201 202	< 5	< 0.2	7.33	1100	1.0	2	1.49	< 0.5	8	84	26	2.21	1.78	1.04
273566	201 202	< 5	< 0.2	3.22	390	0.5	< 2	2.11	< 0.5	27	1140	108	2.89	0.59	6.02
273567	201 202	< 5	< 0.2	3.41	380	0.5	< 2	0.91	< 0.5	103	1030	73	5.19	0.53	6.49
273568	201 202	< 5	< 0.2	1.78	360	< 0.5	< 2	4.04	< 0.5	4	22	29	0.60	0.46	0.74
273569	201 202	< 5	< 0.2	2.48	550	0.5	< 2	3.09	< 0.5	5	59	47	1.05	0.65	1.18
273570	201 202	< 5	< 0.2	3.54	830	0.5	2	2.11	0.5	8	113	67	1.64	0.94	1.02
273571	201 202	< 5	< 0.2	5.21	1120	1.0	< 2	0.86	< 0.5	9	166	14	2.79	1.44	1.14
273572	201 202	< 5	< 0.2	5.70	940	2.0	2	1.23	< 0.5	4	94	9	1.91	1.65	0.72
273573	201 202	< 5	< 0.2	5.67	1040	1.0	< 2	2.17	< 0.5	3	35	24	1.46	1.68	0.50
273574	201 202	< 5	< 0.2	3.97	1330	1.0	2	2.50	1.0	14	236	54	2.10	1.12	1.91
273575	201 202	< 5	< 0.2	5.77	840	1.0	< 2	1.15	< 0.5	6	179	16	2.28	1.57	0.74
273576	201 202	< 5	< 0.2	4.42	660	0.5	2	0.73	0.5	5	95	11	1.49	1.17	0.49
273578	201 202	< 5	< 0.2	3.30	890	0.5	< 2	2.33	0.5	5	104	43	1.55	0.80	1.06
273580	201 202	< 5	< 0.2	4.97	960	0.5	2	1.84	< 0.5	34	491	33	3.10	1.04	4.45
273581	201 202	< 5	< 0.2	2.28	200	< 0.5	< 2	1.08	< 0.5	84	1425	53	4.20	0.28	14.55
273582	201 202	< 5	< 0.2	3.59	580	0.5	< 2	2.36	< 0.5	3	17	34	0.97	0.98	0.62

CERTIFICATION:

David Terry



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page: 2-B
Total pages: 3
Certificate Date: 05-SEP-97
Invoice No.: 19739549
P.O. Number:
Account: GP W

CERTIFICATE OF ANALYSIS

A9739549

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
273541	201	202	435	1	0.98	36	1840	16	122	0.32	155	< 10	126			
273542	201	202	350	< 1	0.85	22	600	14	108	0.35	171	< 10	88			
273543	201	202	685	< 1	1.70	22	1540	12	203	0.35	137	< 10	98			
273544	201	202	250	1	1.03	16	850	20	134	0.43	195	< 10	90			
273545	201	202	250	< 1	1.44	11	920	12	183	0.37	152	< 10	64			
273546	201	202	235	< 1	1.57	7	770	12	215	0.36	137	< 10	72			
273547	201	202	320	1	0.97	25	1300	16	126	0.33	213	< 10	146			
273548	201	202	320	< 1	1.07	21	480	16	132	0.38	174	< 10	100			
273549	201	202	395	< 1	2.13	38	480	6	371	0.35	89	< 10	46			
273550	201	202	1065	< 1	1.63	75	860	4	273	0.29	143	< 10	78			
273551	201	202	700	< 1	1.55	112	1610	< 2	247	0.41	141	< 10	70			
273552	201	202	390	< 1	2.83	5	630	6	530	0.19	37	< 10	48			
273553	201	202	415	< 1	1.88	17	720	12	321	0.29	78	< 10	64			
273554	201	202	830	< 1	1.14	34	2360	6	147	0.51	161	< 10	96			
273555	201	202	420	< 1	1.75	8	1210	< 2	393	0.16	39	< 10	40			
273556	201	202	1275	< 1	1.49	20	1790	6	237	0.41	137	< 10	94			
273557	201	202	1480	< 1	1.32	16	1920	8	213	0.25	79	< 10	62			
273558	201	202	535	< 1	2.27	11	880	6	407	0.32	82	< 10	52			
273559	201	202	610	< 1	0.70	23	2230	4	183	0.14	52	< 10	58			
273560	201	202	1380	< 1	1.00	27	2340	10	131	0.46	155	< 10	122			
273561	201	202	280	< 1	1.43	26	730	6	337	0.15	51	< 10	56			
273562	201	202	485	< 1	1.68	24	410	6	283	0.32	129	< 10	68			
273563	201	202	700	< 1	1.38	44	310	4	190	0.58	174	< 10	116			
273564	201	202	780	< 1	1.62	84	650	< 2	301	0.44	127	< 10	94			
273565	201	202	375	< 1	2.12	52	260	< 2	373	0.26	94	< 10	64			
273566	201	202	280	< 1	0.69	1120	570	< 2	210	0.11	54	< 10	34			
273567	201	202	1640	< 1	0.60	1520	1690	< 2	132	0.12	81	< 10	88			
273568	201	202	235	< 1	0.57	171	600	< 2	247	0.05	18	< 10	40			
273569	201	202	260	< 1	0.56	125	860	< 2	223	0.11	48	< 10	76			
273570	201	202	1150	< 1	0.77	284	900	4	173	0.16	72	< 10	58			
273571	201	202	415	< 1	1.07	63	560	12	126	0.31	147	< 10	70			
273572	201	202	315	< 1	1.63	25	520	8	186	0.37	108	< 10	48			
273573	201	202	535	< 1	2.09	69	690	6	404	0.14	28	< 10	44			
273574	201	202	510	< 1	0.39	248	660	8	118	0.11	107	< 10	144			
273575	201	202	385	< 1	1.76	33	900	6	277	0.31	103	< 10	76			
273576	201	202	265	< 1	1.14	19	330	6	141	0.27	72	< 10	68			
273578	201	202	360	< 1	0.21	95	780	6	127	0.10	83	< 10	72			
273580	201	202	585	< 1	1.07	373	560	6	175	0.25	118	< 10	64			
273581	201	202	640	< 1	0.43	1525	200	< 2	65	0.06	51	< 10	40			
273582	201	202	195	< 1	1.32	109	450	4	323	0.10	20	< 10	26			

CERTIFICATION:

David Terry



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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page per :3-A
Total Pages :3
Certificate Date: 05-SEP-97
Invoice No. :19739549
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS

A9739549

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
273583	201 202	< 5	< 0.2	5.49	1090	0.5	< 2	1.11	< 0.5	9	196	24	2.42	1.27	1.58
273584	201 202	< 5	< 0.2	5.78	1460	1.0	< 2	1.04	0.5	20	265	57	3.13	1.24	2.25
273585	201 202	< 5	< 0.2	6.10	750	1.0	< 2	2.25	< 0.5	4	9	21	1.26	1.72	0.59
273586	201 202	< 5	< 0.2	2.25	470	< 0.5	< 2	2.64	< 0.5	3	35	75	0.71	0.53	0.62
273587	201 202	< 5	< 0.2	2.38	480	< 0.5	< 2	2.43	< 0.5	11	80	109	0.90	0.57	0.83
273588	201 202	< 5	< 0.2	2.41	680	0.5	< 2	2.72	0.5	7	99	94	1.65	0.56	0.88
273589	201 202	< 5	< 0.2	4.51	1360	1.0	< 2	1.55	< 0.5	19	287	36	2.65	1.12	2.49
273590	201 202	< 5	< 0.2	5.14	1170	0.5	< 2	1.26	< 0.5	23	306	36	3.41	1.06	2.16
273591	201 202	< 5	< 0.2	5.66	1010	1.0	< 2	1.84	0.5	12	153	39	2.06	1.28	1.76
273592	201 202	< 5	< 0.2	5.59	1660	1.5	< 2	0.95	1.0	9	143	53	2.28	1.41	1.09
273593	201 202	< 5	< 0.2	4.60	1080	0.5	< 2	0.63	0.5	5	108	8	2.18	1.29	0.80
273594	201 202	< 5	< 0.2	5.94	860	0.5	< 2	0.77	< 0.5	7	95	17	3.08	1.35	0.81
273595	201 202	< 5	< 0.2	5.29	940	0.5	< 2	1.24	< 0.5	9	193	14	2.56	1.24	1.14
273596	201 202	< 5	< 0.2	6.91	890	1.0	< 2	1.60	< 0.5	3	35	50	1.45	1.91	0.52
273597	201 202	< 5	< 0.2	4.51	790	0.5	< 2	3.27	0.5	4	19	34	1.09	1.24	0.44
273598	201 202	< 5	< 0.2	2.70	500	0.5	< 2	2.96	< 0.5	1	11	26	0.72	0.70	0.39
273599	201 202	< 5	< 0.2	4.89	820	0.5	< 2	0.37	< 0.5	6	81	12	2.49	1.16	0.72
273600	201 202	< 5	< 0.2	8.11	1200	1.5	< 2	1.71	< 0.5	7	49	38	2.20	2.12	0.73

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: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410
Comments: ATTN:DAVID TERRY-VANCOUVER OFFICE

Page: 3-B
Total Pages: 3
Certificate Date: 05-SEP-97
Invoice No.: 19739549
P.O. Number:
Account: GP W

CERTIFICATE OF ANALYSIS

A9739549

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
273583	201	202	315	< 1	1.15	94	320	8	170	0.26	115	< 10	48			
273584	201	202	480	< 1	0.79	221	360	8	104	0.26	161	< 10	70			
273585	201	202	325	< 1	2.30	24	670	4	456	0.16	27	< 10	40			
273586	201	202	135	< 1	0.71	120	880	6	216	0.07	17	< 10	24			
273587	201	202	520	< 1	0.64	278	450	4	192	0.07	29	< 10	24			
273588	201	202	1520	< 1	0.43	147	770	< 2	160	0.09	52	< 10	50			
273589	201	202	645	< 1	0.56	203	780	6	79	0.22	134	< 10	76			
273590	201	202	630	< 1	0.89	171	330	6	106	0.31	141	< 10	70			
273591	201	202	415	< 1	1.53	197	500	4	308	0.16	67	< 10	64			
273592	201	202	365	< 1	0.96	92	1030	6	181	0.17	128	< 10	74			
273593	201	202	330	< 1	0.89	31	450	8	103	0.32	128	< 10	52			
273594	201	202	345	< 1	1.12	23	220	8	166	0.34	141	< 10	54			
273595	201	202	385	< 1	1.00	37	150	8	120	0.40	146	< 10	76			
273596	201	202	290	< 1	2.32	10	320	8	401	0.22	58	< 10	52			
273597	201	202	485	< 1	1.57	36	820	4	312	0.12	28	< 10	34			
273598	201	202	155	< 1	0.89	23	650	< 2	220	0.08	18	< 10	20			
273599	201	202	185	< 1	0.59	28	190	4	50	0.23	128	< 10	58			
273600	201	202	445	< 1	2.45	43	280	4	447	0.21	68	< 10	58			

CERTIFICATION:

15 SEP 1997

APPENDIX F
ENZYME LEACH ASSAY CERTIFICATES

ACTLABS

**ACTIVATION
LABORATORIES LTD**

Invoice No.: 13738
Work Order: 13765
Invoice Date: 10-SEP-97
Date Submitted: 12-AUG-97
Your Reference: NONE
Account Number: 1914

WESTMIN RESOURCES LIMITED
#904-1055 DUNSMUIR ST., PO BOX 49066
THE BENTALL CENTRE
VANCOUVER, B.C.
V7X 1C4
ATTN: DAVID TERRY

CERTIFICATE OF ANALYSIS

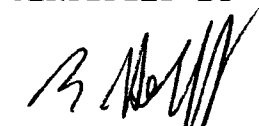
69 SOILS(PREP.REV1) were submitted for analysis.

The following analytical packages were requested. Please see
current fee schedule for elements and detection limits.

REPORT 13738 RPT.XLS PKG 7-ENZYME LEACH ICP/MS(ENZYME.REV1)

This report may only be reproduced in its entirety without the
express consent of ACTIVATION LABS. If no instructions were received
or will be received within 90 days from the date of this report, excess
material will be discarded. Our liability is limited solely to the
analytical cost of these analyses.

CERTIFIED BY :



DR. E. L. HOFFMAN/GENERAL MANAGER

Enzyme Leach Job #: 13765 Report#:13738

Customer: Westmin Resources

Geologist:David Terry

Customer's Job #:-----

Trace Element Values Are in Parts Per Billion. Negative Values Equal Not Detected at That Lower Limit.

Values = 999999 are greater than working range of instrument. S.Q.=That element is determined SEMIQUANTITATIVELY.

Sample ID:	S.Q.Li	S.Q.Be	S.Q.Cl	S.Q.Sc	S.Q.Ti	V	Mn	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Rb	Sr	Y	Zr	Nb	Mo
273301	13	-20	3988	-100	962	127	8753	168	69	39	115	1	-1	8	-30	180	85	245	34	-1	5	10
273302	18	-20	-3000	-100	990	108	2082	55	40	79	45	2	-1	11	-30	115	27	300	27	12	5	12
273303	20	-20	-3000	-100	793	92	1461	26	14	36	32	9	-1	7	-30	157	73	202	17	-1	3	6
273304	39	-20	5610	-100	1060	128	6560	127	41	56	42	5	-1	8	-30	147	110	220	38	3	4	7
273305	21	-20	4778	-100	1813	141	1249	38	43	53	112	4	3	-5	-30	354	19	245	21	8	5	8
273306	15	-20	10055	-100	1408	117	1949	56	48	37	117	2	-1	-5	-30	191	15	264	18	6	4	11
273307	18	-20	-3000	-100	1065	165	1320	36	16	93	132	3	-1	11	-30	167	64	157	19	-1	4	5
273308	15	-20	-3000	-100	925	92	5187	81	29	72	90	5	2	5	-30	157	58	174	24	-1	3	6
273309	20	-20	-3000	-100	973	85	1831	22	22	49	75	3	-1	7	66	161	66	165	18	-1	3	6
273310	15	-20	3564	-100	1311	111	3754	87	18	67	40	1	-1	8	-30	118	31	215	15	-1	3	6
273311	19	-20	16293	-100	4022	280	3792	48	37	47	196	10	-1	-5	-30	320	29	173	21	-1	9	9
273312	14	-20	20279	-100	1766	141	10630	120	46	59	156	3	-1	-5	-30	398	12	322	17	8	4	9
273313	14	-20	7443	-100	1341	138	15661	90	28	42	185	5	-1	-5	-30	299	14	248	14	-1	4	12
273314	-10	-20	-3000	-100	1186	64	53576	230	27	66	38	9	-1	-5	-30	99	6	337	18	5	4	10
273315	17	-20	-3000	-100	2971	130	23881	80	29	41	442	6	-1	-5	-30	129	20	95	13	6	6	8
273316	15	-20	11610	-100	4155	172	4252	22	19	73	139	5	-1	-5	-30	257	11	158	15	14	6	6
273317	12	-20	9719	-100	1001	62	8019	62	20	42	126	6	-1	-5	-30	174	14	411	13	-1	3	14
273318	17	-20	3970	-100	1910	109	1213	23	37	63	167	6	-1	6	-30	199	28	423	15	9	5	10
273319	27	-20	-3000	-100	1194	74	2029	84	29	69	88	6	-1	-5	-30	152	6	201	16	-1	2	6
273320	30	-20	4441	-100	1668	118	5487	75	20	60	126	5	-1	9	-30	125	6	194	16	2	5	6
273321	30	-20	-3000	-100	1704	133	4704	67	33	74	158	5	-1	9	-30	137	6	186	15	-1	4	9
273322	24	-20	-3000	-100	2209	96	420	20	26	65	64	9	-1	-5	-30	125	19	259	18	2	4	5
273323	-10	-20	12781	-100	1345	59	2874	33	29	75	124	7	-1	-5	-30	210	4	271	13	-1	3	9
273324	28	-20	23143	-100	1663	90	4625	83	26	177	114	3	-1	5	-30	97	7	149	12	3	4	5
273325	15	-20	7215	-100	1000	63	1742	30	12	88	78	2	-1	-5	-30	137	6	174	11	-1	2	7
273326	15	-20	4648	-100	1251	65	1418	44	14	78	39	2	-1	6	-30	179	24	203	10	3	3	5
273327	-10	-20	-3000	-100	1566	56	548	22	20	53	49	5	1	-5	-30	93	15	223	9	14	4	-1
273328	14	-20	5713	-100	1375	67	2283	22	20	37	141	3	-1	-5	-30	116	3	118	7	8	4	5
273329	17	-20	4345	-100	1250	81	2913	79	28	74	84	2	-1	6	-30	136	9	315	12	3	3	7
273330	27	-20	-3000	-100	1341	91	1480	29	32	110	95	3	-1	6	-30	115	6	150	11	-1	3	3
273331	16	-20	3074	-100	1081	122	4945	29	21	143	35	7	-1	6	-30	77	7	126	13	-1	3	3
273332	25	-20	6141	-100	894	39	1642	31	30	95	82	3	-1	-5	-30	175	13	111	8	-1	2	9
273333	14	-20	5508	-100	3358	176	9872	32	17	67	152	9	-1	-5	74	167	62	295	9	3	5	7
273334	29	-20	6128	-100	2838	132	4358	39	33	37	180	6	3	-5	-30	206	30	109	7	-1	6	3
273335	34	-20	9812	-100	1360	103	18666	84	49	124	241	8	-1	7	-30	285	37	362	15	14	5	7
273336	11	-20	4091	-100	905	43	2288	16	29	74	40	6	-1	-5	-30	120	8	288	16	-1	2	6
273337	26	-20	6183	-100	890	66	1517	17	28	94	84	3	-1	6	-30	176	5	354	16	5	3	5
273338	25	-20	8076	-100	688	67	7173	70	60	127	55	3	2	10	-30	181	9	315	29	-1	2	32
273339	32	-20	3321	-100	4097	142	9535	141	38	47	119	-1	1	-5	-30	153	115	290	13	15	8	7
273340	73	-20	-3000	-100	3571	201	714	22	33	61	131	11	1	7	-30	78	96	216	23	42	19	7
273341	-10	-20	5134	-100	695	93	743	5	38	193	26	6	1	8	-30	319	9	247	23	3	2	13
273342	50	-20	9921	-100	616	64	2149	24	59	70	66	3	-1	8	-30	146	30	105	19	7	4	6
273343	25	-20	9650	-100	2018	208	6169	27	33	114	371	9	-1	10	-30	188	38	469	15	16	7	11
273344	17	-20	20776	-100	263	197	886	5	38	110	-10	2	2	17	91	201	6	338	19	-1	6	40
273345	15	-20	57537	-100	549	143	2383	23	115	411	33	4	-1	17	44	446	5	651	56	53	6	26
273346	58	-20	19652	-100	1481	127	3390	21	37	87	232	6	-1	13	-30	238	17	264	20	3	7	18

13738RPT.XLS

Sample ID:	S.Q.Li	S.Q.Be	S.Q.Cl	S.Q.Sc	S.Q.Ti	V	Mn	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Rb	Sr	Y	Zr	Nb	Mo
273347	28	-20	9519	-100	294	135	4112	44	24	62	51	1	-1	7	92	91	12	94	11	-1	3	17
273348	26	-20	3303	-100	2346	164	2945	25	50	30	300	8	-1	7	-30	187	37	353	8	3	7	9
273349	26	-20	36616	-100	424	830	1333	5	147	199	237	8	-1	29	51	451	3	725	26	4	4	90
273351	-10	-20	-3000	-100	508	280	602	6	49	305	246	-1	-1	10	-30	272	-1	275	23	-1	3	22
273352	-10	-20	6483	-100	727	242	547	8	25	161	-10	-1	1	10	-30	172	-1	322	13	-1	3	19
273353	15	-20	10962	-100	716	186	1342	17	38	140	-10	10	-1	13	102	251	6	284	15	-1	3	14
273354	-10	-20	3009	-100	663	162	389	5	53	106	11	1	-1	9	100	213	9	234	17	-1	3	11
273355	-10	-20	4998	-100	495	158	1366	6	33	113	-10	-1	-1	10	35	208	8	258	21	-1	2	17
273356	-10	-20	9277	-100	672	113	1380	15	30	116	26	-1	-1	9	-30	275	12	376	17	11	3	16
273357	-10	-20	10909	-100	619	91	1432	15	41	126	-10	2	-1	7	37	257	16	327	22	17	3	14
273358	13	-20	6892	-100	411	177	1000	10	28	95	-10	4	-1	12	-30	114	25	283	20	-1	2	13
273359	-10	-20	6860	-100	529	194	1590	9	45	133	-10	-1	-1	13	33	204	18	417	30	-1	2	12
273360	10	-20	15123	-100	519	104	1648	8	27	117	15	4	-1	9	-30	241	46	315	23	-1	2	13
273361	16	-20	7532	-100	815	97	14280	101	73	79	28	3	-1	6	-30	287	27	478	27	16	2	13
273362	14	-20	8634	-100	986	124	10520	40	26	59	122	11	-1	9	-30	202	78	359	24	18	4	18
273363	-10	-20	5430	-100	469	48	6926	12	31	78	87	6	-1	-5	-30	187	68	464	16	2	2	18
273364	-10	-20	3846	-100	602	81	3561	12	39	194	119	1	-1	8	-30	374	55	426	17	9	3	11
273365	-10	-20	3473	-100	3335	130	33788	47	8	31	321	15	-1	-5	73	142	24	171	8	21	12	6
273366	17	-20	-3000	-100	1836	103	1880	12	6	26	150	10	-1	-5	66	178	22	121	7	-1	7	6
273367	30	-20	3490	-100	625	46	449	15	24	16	96	5	-1	-5	75	246	42	51	6	-1	3	3
273368	13	-20	6760	-100	1111	60	28306	322	16	21	61	4	-1	7	-30	216	21	552	6	-1	4	10
273369	12	-20	4180	-100	503	34	1190	20	9	21	117	4	-1	-5	-30	247	35	44	9	-1	2	7
273370	-10	-20	4708	-100	1036	77	19527	43	9	15	292	4	-1	-5	-30	154	12	470	4	-1	4	7

Certified By:

*D. D'Anna*D. D'Anna, Dipl. T.
ICPMS Technical Manager, Actlabs Ltd.

Date:

9 Sept 97

This report shall not be reproduced except in full without the written approval of the laboratory
 Unless otherwise instructed, samples will be disposed of 90 days from the date of this report.
 ""Rh & Ir have been dropped from the report due to a change in the standardization procedure."

Enzyme Leach Job #: 13765 Re

Trace Element Values Are in Parts

Values = 999999 are greater than

Sample ID:

Sample ID:	Ru	Pd	Ag	Cd	In	Sn	Sb	Te	I	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W
273301	-1	-1	-0.2	2.5	0.6	-1	5	-1	30	-1	3174	25	49	11	33	7	4	10	5	8	3	4	2	7	4	-1	-1	2
273302	-1	-1	-0.2	0.4	0.6	-1	5	-1	38	-1	1668	17	38	10	30	7	5	7	5	8	3	5	3	8	7	-1	-1	2
273303	-1	-1	-0.2	0.7	0.6	-1	3	-1	20	1	2071	10	19	7	18	5	2	6	3	5	2	2	1	4	3	-1	-1	1
273304	-1	-1	-0.2	1.6	0.6	-1	3	-1	38	1	3604	28	72	15	47	11	5	13	5	10	3	6	2	7	5	-1	-1	2
273305	-1	-1	-0.2	1.9	-0.2	-1	3	-1	85	-1	1642	15	28	8	21	6	3	8	5	7	3	3	2	6	5	-1	-1	2
273306	-1	-1	-0.2	3.4	-0.2	-1	3	2	75	-1	2039	14	26	7	18	4	3	6	3	5	3	2	2	5	4	-1	-1	2
273307	-1	-1	-0.2	0.7	-0.2	-1	3	2	25	-1	1559	13	23	6	19	5	2	5	3	5	2	1	1	4	3	-1	-1	1
273308	-1	-1	-0.2	1.3	-0.2	-1	2	-1	21	-1	2073	15	31	9	24	6	4	7	4	6	3	3	2	5	4	-1	-1	1
273309	-1	-1	-0.2	1.6	-0.2	-1	2	1	24	-1	2016	13	26	7	17	4	3	6	3	5	2	3	2	4	3	-1	-1	2
273310	-1	-1	-0.2	1.0	-0.2	-1	3	-1	37	-1	1849	17	33	8	24	6	4	8	4	4	1	1	-1	2	-1	-1	-1	-1
273311	-1	-1	-0.2	4.6	0.6	-1	2	2	94	-1	968	12	36	7	19	5	3	5	4	5	3	3	2	5	4	-1	-1	3
273312	-1	-1	-0.2	5.8	0.6	-1	2	2	182	-1	1718	12	17	8	18	5	3	7	5	6	3	3	2	6	4	-1	-1	2
273313	-1	-1	-0.2	5.2	0.6	-1	4	-1	89	-1	1183	12	15	8	16	4	2	7	4	5	3	3	2	5	5	-1	-1	2
273314	-1	-1	-0.2	2.2	0.6	-1	3	-1	72	-1	1835	13	28	9	20	6	4	7	5	5	3	3	2	5	4	-1	-1	1
273315	-1	-1	-0.2	3.7	0.6	-1	3	-1	56	-1	740	11	18	6	12	3	2	4	4	4	2	2	1	3	3	-1	-1	2
273316	-1	-1	-0.2	3.1	-0.2	-1	2	-1	79	-1	879	12	21	7	16	4	3	4	4	5	3	2	2	4	4	-1	-1	-1
273317	-1	-1	-0.2	3.4	-0.2	-1	2	-1	67	-1	957	11	19	6	11	4	2	5	4	4	2	2	1	4	3	-1	-1	2
273318	-1	-1	-0.2	4.0	0.6	-1	2	-1	155	-1	1833	12	23	7	18	6	3	6	4	6	2	3	1	3	3	-1	-1	2
273319	-1	-1	-0.2	4.6	0.6	-1	2	-1	61	-1	1952	12	18	7	16	4	2	5	4	5	3	2	1	4	3	-1	-1	1
273320	-1	-1	-0.2	1.9	-0.2	-1	2	1	49	-1	1597	12	20	8	17	6	1	5	1	5	-1	3	1	-1	-1	-1	-1	-1
273321	-1	-1	-0.2	2.2	0.6	-1	2	2	42	-1	1409	13	21	6	19	4	2	7	4	5	2	2	1	4	2	-1	-1	1
273322	-1	-1	-0.2	1.9	0.6	-1	2	-1	43	-1	1520	12	21	7	18	4	3	6	3	5	2	2	1	3	2	-1	-1	1
273323	-1	-1	-0.2	1.3	0.6	-1	2	2	76	-1	1207	10	16	5	12	5	2	5	3	3	2	1	-1	3	3	-1	-1	1
273324	-1	-1	-0.2	2.2	0.6	-1	1	2	35	-1	827	10	20	6	10	4	2	6	3	4	1	1	-1	3	3	-1	-1	-1
273325	-1	-1	-0.2	2.2	-0.2	-1	2	1	44	-1	802	10	16	6	12	4	2	3	3	4	1	1	-1	3	2	-1	-1	-1
273326	-1	-1	-0.2	2.2	-0.2	-1	1	-1	45	-1	1146	10	21	5	12	3	2	4	3	3	1	2	-1	2	2	-1	-1	-1
273327	-1	-1	-0.2	0.7	-0.2	-1	-1	1	31	-1	1009	9	17	4	13	3	1	4	2	3	1	-1	-1	2	1	-1	-1	1
273328	-1	-1	-0.2	1.0	-0.2	-1	1	2	33	-1	766	6	12	3	9	1	2	2	1	2	1	-1	-1	1	1	-1	-1	-1
273329	-1	-1	-0.2	1.3	0.6	-1	2	-1	35	-1	2047	10	20	5	14	3	2	3	2	3	1	1	-1	2	1	-1	-1	-1
273330	-1	-1	-0.2	1.3	-0.2	-1	-1	-1	29	-1	1279	10	23	6	14	4	2	4	3	4	1	2	-1	2	2	-1	-1	2
273331	-1	-1	-0.2	0.4	0.6	-1	1	1	27	-1	730	8	15	4	12	2	-1	4	2	3	1	-1	-1	2	2	-1	-1	-1
273332	-1	-1	-0.2	1.6	-0.2	-1	-1	-1	29	-1	756	7	13	4	9	1	-1	3	2	2	1	-1	-1	1	1	-1	-1	-1
273333	-1	-1	-0.2	5.8	-0.2	-1	2	-1	47	-1	3200	8	17	5	14	2	3	3	3	2	1	2	-1	1	1	-1	-1	1
273334	-1	-1	-0.2	2.8	-0.2	-1	-1	2	43	-1	1421	6	11	3	6	-1	-1	3	1	1	-1	-1	-1	-1	1	-1	-1	-1
273335	-1	-1	-0.2	3.4	0.6	1	2	1	73	2	1462	14	31	6	19	4	2	7	3	4	1	2	-1	2	2	1	-1	-1
273336	-1	-1	-0.2	1.0	0.6	-1	1	-1	57	-1	1712	14	26	6	18	4	2	6	2	5	1	2	-1	2	1	-1	-1	-1
273337	-1	-1	-0.2	1.0	0.6	-1	2	-1	56	-1	1840	13	25	7	21	4	2	5	3	5	1	2	-1	2	2	-1	-1	-1
273338	-1	-1	-0.2	1.6	0.6	-1	4	-1	70	-1	1736	18	27	8	30	5	3	9	3	7	2	4	1	4	2	-1	-1	-1
273339	-1	-1	0.3	7.6	-0.2	1	1	3	44	-1	1301	12	29	5	13	4	2	4	2	2	1	2	-1	-1	-1	-1	-1	-1
273340	-1	-1	0.3	4.6	0.6	5	1	1	32	5	824	21	46	8	26	5	2	7	2	6	1	1	-1	3	1	2	2	3
273341	-1	-1	-0.2	-0.2	0.6	-1	4	2	128	-1	323	20	43	12	32	7	3	10	4	8	3	3	-1	3	2	-1	-1	-1
273342	-1	-1	-0.2	1.9	0.6	1	3	-1	36	1	370	16	47	9	23	5	2	7	3	4	2	2	-1	3	-1	-1	-1	1
273343	-1	-1	0.3	5.8	-0.2	1	2	-1	47	2	779	25	44	9	33	5	2	7	3	5	1	2	-1	2	1	-1	-1	1
273344	-1	-1	-0.2	0.7	1.2	-1	9	-1	126	-1	543	17	17	22	34	10	10	12	15	11	9	6	7	13	16	-1	-1	2
273345	-1	-1	-0.2	1.6	1.7	-1	20	5	274	-1	1027	44	63	38	75	22	13	25	21	17	11	9	8	19	17	2	-1	3
273346	-1	-1	-0.2	9.7	1.2	-1	4	1	101	-1	594	20	37	16	34	9	5	10	9	7	4	3	3	8	7	-1	-1	2

13738RPT.XLS

Sample ID:

	Ru	Pd	Ag	Cd	In	Sn	Sb	Te	I	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W
273347	-1	-1	-0.2	3.7	1.2	-1	4	2	83	-1	328	11	18	8	14	4	2	5	5	5	3	2	2	3	4	-1	-1	2
273348	-1	-1	-0.2	8.8	0.6	-1	2	-1	80	-1	1935	9	14	5	9	3	2	3	2	2	1	-1	1	2	2	-1	-1	12
273349	-1	-1	0.6	0.7	1.1	-1	39	4	422	-1	1779	22	41	16	34	11	6	11	9	8	4	4	3	7	6	-1	-1	3
273351	-1	-1	-0.2	-0.2	1.2	1	20	4	178	-1	799	19	30	13	30	8	5	11	8	7	4	3	2	6	6	-1	-1	2
273352	-1	-1	-0.2	-0.2	0.6	-1	7	-1	159	-1	698	12	19	9	18	4	4	5	5	4	3	2	1	4	4	-1	-1	2
273353	-1	-1	-0.2	1.3	0.6	-1	7	2	134	-1	834	13	24	8	22	5	3	6	5	6	2	2	1	4	2	-1	-1	2
273354	-1	-1	-0.2	-0.2	1.2	-1	9	-1	149	-1	829	15	21	10	24	5	3	7	4	5	2	2	1	3	3	-1	-1	2
273355	-1	-1	-0.2	0.4	0.6	-1	9	2	169	-1	801	14	26	10	26	5	3	8	5	6	2	2	1	4	3	-1	-1	2
273356	-1	-1	-0.2	6.1	0.6	-1	5	-1	112	-1	507	15	21	9	24	6	2	7	3	6	2	1	1	2	2	-1	-1	2
273357	-1	-1	-0.2	0.4	0.6	-1	9	3	135	-1	1221	16	29	8	25	6	3	6	3	5	1	3	-1	2	2	-1	-1	2
273358	-1	-1	-0.2	-0.2	0.6	-1	9	-1	110	-1	762	15	26	8	27	4	2	7	3	5	1	3	-1	3	2	-1	-1	2
273359	-1	-1	-0.2	-0.2	0.6	-1	16	2	181	-1	1064	20	33	9	32	10	3	10	4	8	2	4	1	4	2	-1	-1	1
273360	-1	-1	-0.2	1.6	0.6	-1	8	-1	122	-1	1574	19	30	9	29	6	2	9	3	5	1	1	-1	2	2	-1	-1	1
273361	-1	-1	-0.2	5.2	0.6	-1	4	-1	119	-1	2253	22	41	11	36	6	2	9	3	8	2	3	-1	3	1	-1	-1	-1
273362	-1	-1	-0.2	13.5	0.6	1	4	-1	106	-1	1857	21	42	10	34	8	3	9	3	6	2	2	-1	3	-1	-1	-1	2
273363	-1	-1	-0.2	8.8	0.6	-1	3	1	128	-1	1891	15	26	6	19	5	2	5	2	3	1	-1	-1	1	1	-1	-1	1
273364	-1	-1	-0.2	5.5	-0.2	-1	10	2	127	-1	1236	13	21	6	17	3	1	5	1	3	1	1	-1	1	1	-1	-1	1
273365	-1	-1	-0.2	3.1	-0.2	2	1	1	40	2	1036	7	8	2	6	-1	1	-1	-1	1	-1	-1	-1	-1	-1	1	1	2
273366	-1	-1	-0.2	1.6	-0.2	1	1	-1	32	-1	1044	8	12	2	7	-1	-1	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	1
273367	-1	-1	-0.2	5.2	-0.2	-1	-1	-1	36	-1	2615	6	9	2	4	-1	2	2	-1	1	-1	-1	-1	-1	-1	-1	-1	-1
273368	-1	-1	-0.2	4.6	-0.2	-1	2	-1	39	-1	3266	6	14	2	7	1	1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	2
273369	-1	-1	-0.2	4.6	-0.2	-1	2	1	32	-1	2255	7	13	2	10	2	1	3	-1	1	-1	-1	-1	-1	-1	-1	-1	-1
273370	-1	-1	-0.2	5.5	-0.2	-1	1	2	38	-1	1561	6	12	2	4	1	1	1	-1	1	-1	-1	-1	-1	-1	-1	-1	1

Enzyme Leach Job #: 13765 Re
Trace Element Values Are in Parts
Values = 999999 are greater than

Sample ID:

	Re	Os	Pt	Au	S.Q.Hg	Tl	Pb	Bi	Th	U
273301	-0.1	-1	-1	-0.1	-1.0	-1	18	-1	4	9
273302	-0.1	-1	-1	-0.1	-1.0	-1	20	-1	7	11
273303	-0.1	-1	-1	-0.1	-1.0	-1	17	-1	3	9
273304	-0.1	-1	-1	-0.1	-1.0	-1	19	-1	6	22
273305	-0.1	-1	-1	-0.1	-1.0	-1	21	-1	5	12
273306	-0.1	-1	-1	-0.1	-1.0	-1	15	-1	5	11
273307	-0.1	-1	-1	-0.1	-1.0	-1	20	-1	3	7
273308	-0.1	-1	-1	-0.1	-1.0	-1	14	-1	4	16
273309	-0.1	-1	-1	-0.1	-1.0	-1	15	-1	3	12
273310	-0.1	-1	-1	-0.1	-1.0	-1	8	-1	5	10
273311	-0.1	-1	-1	-0.1	-1.0	-1	18	1	4	10
273312	-0.1	-1	-1	-0.1	-1.0	-1	14	-1	3	6
273313	-0.1	-1	-1	-0.1	-1.0	-1	14	-1	2	9
273314	-0.1	-1	-1	-0.1	-1.0	-1	11	-1	2	11
273315	-0.1	-1	-1	-0.1	-1.0	-1	17	-1	3	9
273316	-0.1	-1	-1	-0.1	-1.0	-1	16	-1	2	7
273317	-0.1	-1	-1	-0.1	-1.0	-1	6	-1	1	5
273318	-0.1	-1	-1	-0.1	-1.0	-1	12	-1	5	13
273319	-0.1	-1	-1	-0.1	-1.0	-1	4	-1	1	8
273320	-0.1	-1	-1	-0.1	-1.0	-1	7	-1	5	10
273321	-0.1	-1	-1	-0.1	-1.0	-1	11	-1	4	9
273322	-0.1	-1	-1	-0.1	-1.0	-1	9	-1	3	10
273323	-0.1	-1	-1	-0.1	-1.0	-1	7	-1	2	11
273324	-0.1	-1	-1	-0.1	-1.0	-1	11	-1	4	6
273325	-0.1	-1	-1	-0.1	-1.0	-1	8	-1	2	8
273326	-0.1	-1	-1	-0.1	-1.0	-1	6	-1	4	9
273327	-0.1	-1	-1	-0.1	-1.0	-1	9	-1	2	7
273328	-0.1	-1	-1	-0.1	-1.0	-1	6	-1	3	5
273329	-0.1	-1	-1	-0.1	-1.0	-1	4	-1	4	8
273330	-0.1	-1	-1	-0.1	-1.0	-1	4	-1	4	8
273331	-0.1	-1	-1	-0.1	-1.0	-1	5	-1	2	4
273332	-0.1	-1	-1	-0.1	-1.0	-1	5	-1	3	8
273333	-0.1	-1	-1	-0.1	-1.0	-1	12	-1	2	5
273334	-0.1	-1	-1	-0.1	-1.0	-1	10	-1	2	4
273335	-0.1	-1	-1	-0.1	-1.0	-1	14	-1	6	13
273336	-0.1	-1	-1	-0.1	-1.0	-1	6	-1	3	16
273337	-0.1	-1	-1	-0.1	-1.0	-1	4	-1	4	17
273338	-0.1	-1	-1	-0.1	-1.0	-1	2	-1	3	18
273339	-0.1	-1	-1	-0.1	-1.0	-1	19	1	5	13
273340	-0.1	-1	-1	-0.1	-1.0	-1	53	4	8	17
273341	-0.1	-1	-1	-0.1	-1.0	-1	10	-1	6	40
273342	-0.1	-1	-1	-0.1	-1.0	-1	19	2	16	29
273343	-0.1	-1	-1	-0.1	-1.0	-1	29	-1	6	21
273344	-0.1	-1	-1	-0.1	-1.0	-1	25	-1	4	21
273345	-0.1	-1	-1	-0.1	-1.0	-1	30	-1	19	179
273346	-0.1	-1	-1	-0.1	-1.0	-1	16	1	10	14

Sample ID:

	Re	Os	Pt	Au	S.Q.Hg	Tl	Pb	Bi	Th	U
273347	-0.1	-1	-1	-0.1	-1.0	-1	18	-1	6	22
273348	-0.1	-1	-1	-0.1	-1.0	-1	6	-1	7	4
273349	-0.1	-1	-1	-0.1	-1.0	-1	7	-1	3	80
273351	-0.1	-1	-1	-0.1	-1.0	-1	340	-1	3	8
273352	-0.1	-1	-1	-0.1	-1.0	-1	-1	-1	2	10
273353	-0.1	-1	-1	-0.1	-1.0	-1	55	-1	4	33
273354	-0.1	-1	-1	-0.1	-1.0	-1	51	-1	4	30
273355	-0.1	-1	-1	-0.1	-1.0	-1	35	-1	4	29
273356	-0.1	-1	-1	-0.1	-1.0	-1	29	-1	6	28
273357	-0.1	-1	-1	0.2	-1.0	-1	20	-1	6	28
273358	-0.1	-1	-1	-0.1	-1.0	-1	1	-1	5	26
273359	-0.1	-1	-1	-0.1	-1.0	-1	10	-1	4	23
273360	-0.1	-1	-1	-0.1	-1.0	-1	11	-1	6	23
273361	-0.1	-1	-1	-0.1	-1.0	-1	14	-1	7	31
273362	-0.1	-1	-1	-0.1	-1.0	-1	13	-1	11	42
273363	-0.1	-1	-1	-0.1	-1.0	-1	10	-1	4	30
273364	-0.1	-1	-1	-0.1	-1.0	-1	5	-1	7	21
273365	-0.1	-1	-1	-0.1	-1.0	-1	32	2	5	11
273366	-0.1	-1	-1	-0.1	-1.0	-1	20	1	4	10
273367	-0.1	-1	-1	-0.1	-1.0	-1	11	-1	3	5
273368	-0.1	-1	-1	-0.1	-1.0	-1	22	-1	4	10
273369	-0.1	-1	-1	-0.1	-1.0	-1	10	-1	2	7
273370	-0.1	-1	-1	-0.1	-1.0	-1	18	1	1	3

ACTLABS

**ACTIVATION
LABORATORIES LTD**

Invoice No.: 13784
Work Order: 13835
Invoice Date: 22-SEP-97
Date Submitted: 21-AUG-97
Your Reference: 6410
Account Number: 1914

WESTMIN RESOURCES LIMITED
#904-1055 DUNSMUIR ST., PO BOX 49066
THE BENTALL CENTRE
VANCOUVER, B.C.
V7X 1C4
ATTN: DAVID TERRY

CERTIFICATE OF ANALYSIS

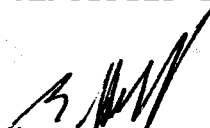
248 SOILS(PREP.REV1) were submitted for analysis.

The following analytical packages were requested. Please see
current fee schedule for elements and detection limits.

REPORT 13784 RPT.XLS CODE 7-ENZYME LEACH ICP/MS(ENZYME.REV1)

This report may only be reproduced in its entirety without the express
consent of ACTIVATION LABS. If no instructions were received or will be
received within 90 days from the date of this report, excess material
will be discarded. 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

Enzyme Leach Job #: 13835 Report#:13784

Customer: Westmin Resources Ltd.

Geologist:David Terry

Customer's Job #:6410

Trace Element Values Are in Parts Per Billion. Negative Values Equal Not Detected at That Lower Limit.

Values = 999999 are greater than working range of instrument. S.Q.=That element is determined SEMIQUANTITATIVELY.

Sample ID:	S.Q.Li	S.Q.Be	S.Q.Cl	S.Q.Sc	S.Q.Ti	V	Mn	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Rb	Sr	Y	Zr	Nb	Mo
273371	-10	-20	8065	-100	772	59	993	26	21	12	44	4	-1	-5	-30	-30	1	195	3	3	2	13
273372	-10	-20	10509	-100	1194	61	378	34	30	20	52	2	-1	-5	68	-30	7	235	4	6	2	10
273373	11	-20	-3000	-100	3008	110	509	16	21	23	67	8	1	-5	69	-30	24	194	4	47	9	11
273374	-10	-20	8726	-100	830	50	387	11	23	12	38	1	-1	-5	-30	-30	3	189	1	8	2	8
273375	-10	-20	-3000	-100	778	58	478	25	18	40	28	3	-1	8	-30	-30	30	112	12	14	1	8
273376	-10	-20	9503	-100	1374	52	503	25	70	42	52	3	-1	5	77	-30	2	300	5	11	2	12
273377	-10	-20	12225	-100	1003	34	351	28	25	41	24	4	-1	-5	-30	-30	-1	207	3	8	3	11
273378	-10	-20	4064	-100	973	33	825	42	18	27	60	5	-1	-5	-30	33	3	194	3	13	2	9
273379	-10	-20	-3000	-100	1162	59	1713	37	20	22	25	1	-1	-5	-30	45	30	165	4	7	2	9
273380	-10	-20	3175	-100	746	30	7176	21	6	40	19	3	-1	-5	-30	-30	29	273	4	16	2	9
273381	-10	-20	4153	-100	819	43	8181	92	76	62	239	5	-1	-5	-30	47	55	702	2	8	2	22
273382	-10	-20	15756	-100	604	34	965	25	10	26	28	-1	-1	-5	-30	46	6	165	2	-1	1	4
273383	-10	-20	13105	-100	166	35	2292	18	32	69	31	4	-1	-5	-30	78	31	402	3	-1	-1	20
273384	-10	-20	-3000	-100	1187	55	530	38	12	46	18	1	-1	-5	73	-30	6	144	3	16	3	4
273385	-10	-20	4175	-100	546	24	2972	12	10	43	19	2	-1	-5	-30	-30	2	147	2	12	1	9
273386	-10	-20	-3000	-100	413	77	339	6	35	52	10	4	-1	-5	-30	-30	17	92	4	3	1	6
273387	-10	-20	3134	-100	544	59	2027	10	9	44	13	3	-1	-5	-30	-30	14	88	4	10	2	11
273388	-10	-20	-3000	-100	955	66	490	24	9	18	39	-1	-1	-5	74	64	29	132	3	10	2	5
273389	-10	-20	3399	-100	114	79	442	4	26	138	-10	-1	-1	-5	72	63	4	93	4	2	-1	13
273390	-10	-20	5451	-100	-100	73	76	3	8	170	-10	-1	-1	5	91	-30	5	38	2	1	-1	12
273391	-10	-20	-3000	-100	189	22	49	2	-5	28	-10	-1	-1	-5	69	84	44	74	1	2	-1	20
273392	-10	-20	5968	-100	-100	45	801	3	14	124	-10	-1	1	-5	88	83	6	78	4	-1	-1	21
273393	15	-20	-3000	-100	404	76	1458	26	13	40	14	-1	-1	-5	63	-30	-1	64	-1	-1	1	10
273394	-10	-20	3510	-100	130	47	392	5	20	96	-10	-1	-1	-5	-30	42	7	96	1	-1	-1	10
273396	-10	-20	5512	-100	-100	51	420	4	8	47	-10	7	-1	-5	73	-30	2	98	-1	-1	-1	6
273397	-10	-20	3865	-100	150	37	765	8	28	40	16	1	-1	8	-30	-30	6	138	5	2	-1	19
273398	16	-20	16386	-100	-100	76	204	6	32	100	-10	6	-1	8	-30	160	3	111	3	-1	-1	37
273399	-10	-20	-3000	-100	-100	78	1034	10	14	97	-10	-1	-1	-5	-30	-30	7	86	2	-1	-1	13
273400	16	-20	8057	-100	254	39	601	4	24	31	-10	-1	-1	7	-30	-30	14	145	3	2	-1	10
273401	12	-20	9228	-100	103	42	646	5	43	31	11	5	1	6	-30	78	1	147	3	-1	-1	37
273402	-10	-20	6413	-100	172	52	1497	10	26	10	242	2	-1	-5	-30	-30	8	481	2	4	-1	35
273403	-10	-20	-3000	-100	222	87	468	4	14	9	80	4	-1	10	-30	502	6	130	1	2	1	13
273404	19	-20	3529	-100	151	317	1116	9	41	62	20	-1	-1	38	-30	76	15	57	3	-1	-1	26
273405	12	-20	-3000	-100	3137	93	1054	44	15	27	73	7	-1	-5	-30	-30	21	213	3	31	6	6
273406	-10	-20	5729	-100	236	42	1904	19	24	64	19	-1	-1	8	-30	-30	10	141	4	11	-1	11
273407	-10	-20	-3000	-100	507	25	208	19	15	13	18	1	-1	-5	-30	-30	58	146	1	9	-1	5
273408	-10	-20	-3000	-100	401	30	179	8	8	16	-10	2	-1	-5	-30	-30	57	191	1	14	1	5
273409	16	-20	-3000	-100	591	28	6186	97	15	14	15	-1	-1	-5	-30	-30	21	74	-1	2	-1	3
273410	14	-20	3247	-100	557	32	10663	45	26	14	119	3	-1	-5	67	56	12	77	-1	5	-1	2
273411	-10	-20	15297	-100	794	33	4965	8	17	29	225	4	-1	-5	73	63	18	463	-1	1	-1	12
273412	31	-20	-3000	-100	1391	71	593	19	15	24	54	7	-1	-5	-30	41	48	160	2	14	6	2
273413	-10	-20	-3000	-100	364	27	405	9	13	6	22	-1	-1	-5	-30	-30	8	163	1	5	-1	4
273414	-10	-20	-3000	-100	394	52	1944	9	18	22	41	2	-1	6	61	-30	6	293	3	7	1	15
273415	-10	-20	4220	-100	372	46	7660	14	14	8	113	1	-1	5	89	80	8	259	2	2	2	60
273416	-10	-20	3150	-100	211	37	864	10	9	6	141	3	-1	-5	72	43	4	187	1	-1	-1	12
273417	25	-20	4104	-100	257	19	767	11	16	8	50	2	-1	-5	-30	-30	69	87	4	10	-1	7

13784RPT.XLS

Sample ID:	S.Q.Li	S.Q.Be	S.Q.Cl	S.Q.Sc	S.Q.Ti	V	Mn	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Rb	Sr	Y	Zr	Nb	Mo
273418	-10	-20	-3000	-100	321	35	1784	22	29	17	36	4	-1	8	-30	34	44	201	8	15	1	13
273419	22	-20	-3000	-100	215	18	384	8	12	7	97	-1	-1	-5	64	-30	83	166	1	6	-1	4
273420	-10	-20	5001	-100	563	24	245	14	28	7	23	-1	-1	-5	-30	56	145	245	5	11	1	4
273421	16	-20	-3000	-100	481	36	1926	16	21	-5	86	3	-1	-5	-30	-30	26	94	2	5	2	3
273422	14	-20	-3000	-100	436	35	1645	11	17	8	89	8	-1	-5	-30	35	29	91	2	11	2	2
273423	10	-20	-3000	-100	391	39	11258	15	15	-5	103	3	-1	-5	64	-30	-1	144	1	3	-1	6
273424	-10	-20	-3000	-100	978	39	975	9	11	-5	52	6	-1	-5	-30	-30	18	153	1	11	3	3
273425	-10	-20	5516	-100	1312	52	1160	8	12	10	92	6	-1	-5	-30	31	26	117	2	11	4	2
273426	40	-20	5497	141	2020	130	3547	41	160	76	172	12	-1	18	-30	-30	154	548	15	75	12	10
273427	18	-20	4034	-100	236	37	3321	14	27	19	32	1	-1	8	-30	47	33	156	5	9	-1	13
273428	15	-20	9174	-100	495	50	25122	101	32	9	380	2	-1	-5	66	-30	14	176	2	6	2	11
273429	-10	-20	-3000	-100	312	39	696	24	25	-5	29	3	-1	-5	-30	-30	48	184	4	12	-1	5
273430	16	-20	-3000	-100	1173	69	11326	36	15	8	261	7	-1	6	-30	-30	42	64	2	16	5	3
273431	-10	-20	4216	-100	305	51	3132	29	27	12	22	-1	-1	5	-30	68	61	309	5	4	-1	8
273432	-10	-20	-3000	-100	163	34	2836	43	23	21	21	1	-1	10	-30	75	97	116	5	16	-1	8
273433	16	-20	-3000	-100	155	31	1167	27	14	19	21	2	-1	7	67	43	79	137	7	15	-1	3
273434	26	-20	4303	-100	1225	47	839	11	26	9	45	12	-1	6	-30	63	54	203	3	17	4	4
273435	17	-20	7796	-100	339	58	510	11	13	15	29	-1	-1	12	-30	-30	37	170	4	9	1	5
273436	38	-20	-3000	-100	313	57	670	21	31	41	60	2	-1	15	67	-30	34	147	12	17	1	2
273437	21	-20	-3000	-100	344	49	2490	37	28	19	57	1	-1	14	-30	-30	74	212	6	10	-1	9
273438	21	-20	3413	-100	457	47	480	9	41	33	20	2	-1	11	-30	38	65	213	5	13	2	-1
273439	30	-20	-3000	-100	141	25	552	8	29	20	-10	1	-1	10	-30	-30	52	130	5	10	-1	3
273440	19	-20	3751	-100	160	27	425	32	42	26	-10	1	-1	13	-30	-30	127	167	9	16	-1	5
273441	-10	-20	4133	-100	454	43	758	8	-5	5	59	2	-1	-5	-30	81	75	45	2	9	-1	-1
273442	21	-20	5719	-100	337	35	12458	38	16	7	116	4	-1	7	-30	79	7	119	2	10	-1	1
273443	21	-20	-3000	-100	120	25	365	8	35	25	-10	2	-1	11	72	-30	26	210	7	4	-1	5
273444	27	-20	7140	-100	120	37	8595	22	118	57	84	1	-1	17	-30	-30	11	267	14	9	-1	11
273445	-10	-20	-3000	-100	-100	21	2137	13	139	67	-10	4	-1	13	62	83	24	316	22	12	-1	4
273446	-10	-20	3252	-100	176	14	1854	8	97	12	39	-1	-1	-5	-30	-30	27	282	6	9	-1	9
273447	-10	-20	7134	-100	483	49	3372	17	14	11	46	2	-1	-5	-30	91	86	442	3	22	1	2
273448	-10	-20	6310	-100	388	24	12748	26	19	-5	329	4	-1	-5	-30	80	102	254	1	10	-1	4
273449	-10	-20	-3000	-100	393	22	4333	6	6	-5	482	1	-1	-5	-30	-30	46	204	-1	4	-1	2
273450	-10	-20	-3000	-100	424	29	6600	29	18	7	117	5	-1	-5	-30	-30	26	234	1	5	1	3
273451	-10	-20	3541	-100	275	35	1676	7	17	-5	84	2	-1	-5	-30	-30	88	280	2	10	-1	4
273452	-10	-20	5347	-100	384	17	6601	20	16	-5	207	2	-1	-5	72	35	36	179	-1	5	-1	2
273453	-10	-20	5375	-100	467	21	4119	8	6	-5	108	1	-1	-5	80	-30	46	131	-1	-1	-1	3
273454	-10	-20	-3000	-100	668	21	1020	11	18	5	92	5	-1	-5	-30	46	7	140	1	8	3	4
273456	20	-20	-3000	-100	810	41	3900	42	45	8	47	4	-1	5	68	-30	13	165	2	6	2	5
273457	32	-20	4917	-100	2669	151	3307	32	58	20	195	8	2	12	65	-30	104	229	9	50	14	8
273458	-10	-20	-3000	-100	881	31	1071	21	28	11	107	4	-1	-5	-30	49	100	204	4	6	4	3
273459	13	-20	3282	-100	654	47	4641	25	18	-5	138	2	-1	-5	-30	91	52	306	5	3	1	10
273460	-10	-20	9453	-100	1207	37	830	18	45	23	436	4	-1	-5	-30	64	87	582	8	9	2	5
273461	16	-20	-3000	-100	1322	47	468	12	20	-5	103	7	-1	6	73	52	19	161	5	17	5	10
273462	15	-20	3163	-100	804	37	1400	15	23	10	190	4	-1	-5	-30	-30	16	244	3	10	4	10
273463	26	-20	-3000	-100	890	46	1074	18	21	6	167	5	-1	6	-30	66	61	192	3	15	6	14
273464	22	-20	4827	-100	1591	84	907	17	25	7	138	9	-1	12	-30	-30	25	177	6	23	8	11
273465	16	-20	-3000	-100	725	40	372	10	18	-5	77	2	-1	7	65	70	32	238	4	7	2	11
273466	17	-20	-3000	-100	332	19	966	19	25	6	69	5	-1	-5	75	52	144	123	11	14	1	6
273467	36	-20	7540	-100	296	26	518	12	18	6	81	1	-1	-5	-30	118	127	159	10	20	1	3

Sample ID:	S.Q.Li	S.Q.Be	S.Q.Cl	S.Q.Sc	S.Q.Ti	V	Mn	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Rb	Sr	Y	Zr	Nb	Mo
273468	24	-20	-3000	-100	512	43	4483	63	63	12	98	15	-1	10	-30	73	34	176	26	17	3	5
273469	23	-20	5908	-100	182	21	3598	57	53	13	685	-1	-1	9	-30	46	8	231	6	7	1	25
273481	33	-20	-3000	-100	299	51	1682	17	19	9	65	3	-1	9	-30	35	38	271	12	5	2	9
273482	15	-20	-3000	-100	317	30	259	7	9	-5	18	1	-1	-5	-30	399	195	214	8	18	1	3
273483	-10	-20	3833	-100	133	18	404	5	-5	-5	-10	4	-1	-5	-30	-30	53	377	3	5	-1	-1
273484	32	-20	-3000	-100	285	70	6098	22	39	28	31	6	-1	12	-30	-30	14	374	15	18	2	20
273486	41	-20	3181	-100	800	38	2196	14	29	14	80	4	1	6	-30	76	90	318	11	26	4	8
273487	34	-20	-3000	-100	441	83	2964	13	33	12	26	7	-1	16	76	-30	15	515	20	11	2	13
273489	19	-20	27656	-100	1233	78	2088	37	72	24	48	327	2	11	-30	131	46	1092	36	15	3	17
273490	-10	-20	8385	-100	332	24	7595	13	5	-5	127	2	2	-5	-30	38	56	268	4	7	1	5
273491	14	-20	3613	-100	291	18	914	12	14	-5	73	-1	-1	-5	71	51	27	124	2	2	1	2
273492	-10	-20	4246	-100	417	21	8052	57	13	-5	145	3	-1	-5	72	47	35	191	3	7	1	14
273493	-10	-20	-3000	-100	287	20	1430	6	7	-5	54	2	-1	-5	-30	-30	11	134	2	2	1	7
273494	-10	-20	-3000	-100	448	22	10177	17	-5	-5	173	2	-1	-5	-30	-30	75	134	2	12	1	3
273495	17	-20	4147	-100	600	27	5172	54	-5	-5	142	7	-1	-5	-30	43	6	167	-1	6	2	4
273496	-10	-20	3852	-100	159	20	414	8	15	-5	15	2	-1	-5	-30	77	90	309	3	8	-1	3
273497	15	-20	-3000	-100	235	18	1828	17	64	-5	36	2	-1	-5	-30	73	201	203	5	10	-1	6
273498	12	-20	-3000	-100	240	15	831	9	58	-5	31	1	-1	-5	-30	-30	13	112	2	6	-1	4
273499	-10	-20	6528	-100	467	22	10690	10	42	-5	158	3	-1	-5	76	58	25	634	2	2	2	9
273500	-10	-20	5342	-100	490	30	678	8	23	-5	142	5	-1	-5	-30	-30	14	143	-1	-1	1	-1
173701	-10	-20	-3000	-100	703	76	5478	46	7	17	29	3	-1	-5	-30	44	7	112	-1	11	1	-1
173702	-10	-20	3332	-100	569	26	3578	12	9	21	23	-1	-1	-5	80	103	14	201	1	11	1	1
173703	-10	-20	4605	-100	644	23	563	11	11	14	46	4	-1	-5	-30	62	-1	176	-1	4	-1	4
173704	-10	-20	3715	-100	609	43	871	17	7	-5	38	3	-1	-5	-30	71	46	147	3	10	1	1
173705	-10	-20	5112	-100	457	45	2299	10	-5	-5	51	-1	-1	-5	-30	-30	3	188	-1	7	-1	-1
173706	-10	-20	4159	-100	221	57	634	6	16	85	-10	-1	-1	-5	-30	-30	11	77	1	4	-1	4
173707	-10	-20	-3000	-100	489	41	394	10	13	48	13	5	-1	-5	66	76	6	219	2	9	1	4
173708	11	-20	5956	-100	1246	80	3391	37	8	10	29	-1	-1	-5	-30	52	36	172	-1	8	1	-1
173709	-10	-20	5967	-100	715	59	2714	22	13	9	20	1	-1	6	-30	77	20	194	1	9	-1	3
173710	16	-20	-3000	-100	1424	71	4059	65	36	25	179	4	-1	-5	-30	67	-1	115	2	6	2	2
173711	-10	-20	7212	-100	692	55	954	19	24	44	11	-1	-1	-5	-30	75	9	275	3	8	-1	4
173712	-10	-20	-3000	-100	1122	40	2566	11	13	24	-10	-1	-1	-5	-30	-30	6	192	1	9	1	1
173713	-10	-20	-3000	-100	469	38	706	18	10	19	-10	5	-1	-5	-30	-30	42	110	1	6	-1	2
173714	22	-20	4284	-100	508	88	2040	24	8	10	83	2	-1	-5	-30	105	23	139	-1	1	-1	3
173715	-10	-20	3372	-100	316	22	10912	29	19	101	21	1	-1	-5	-30	68	54	90	13	12	-1	9
173716	-10	-20	3665	-100	104	46	779	13	11	47	-10	3	-1	-5	74	55	4	19	2	2	-1	7
173717	-10	-20	5955	-100	-100	124	815	4	16	126	-10	-1	-1	-5	-30	-30	6	76	2	-1	-1	83
173718	13	-20	-3000	-100	-100	64	470	5	-5	73	-10	-1	-1	-5	-30	34	25	25	3	2	-1	18
173719	-10	-20	5288	-100	703	59	641	18	11	25	-10	10	-1	-5	-30	-30	41	202	3	16	-1	9
173720	-10	-20	-3000	-100	217	81	1102	13	-5	13	-10	-1	-1	-5	-30	40	27	98	2	3	-1	7
173721	-10	-20	6839	-100	735	171	857	77	12	62	18	6	-1	-5	-30	56	64	114	9	8	-1	3
173722	17	-20	4998	-100	222	37	1749	27	22	10	60	3	-1	-5	-30	129	93	280	2	10	-1	2
173723	18	-20	8348	-100	2954	156	1549	43	28	22	97	13	1	-5	-30	53	103	219	3	39	11	4
173724	20	-20	-3000	-100	5322	168	278	31	23	28	134	14	1	-5	-30	-30	49	180	6	46	13	-1
173725	-10	-20	-3000	-100	488	36	204	10	-5	6	-10	-1	-1	-5	-30	-30	55	169	3	8	-1	1
173726	-10	-20	6735	-100	449	55	195	21	6	28	-10	-1	-1	-5	-30	79	61	237	6	17	-1	4
173727	10	-20	-3000	-100	598	27	1256	31	12	9	90	-1	-1	-5	-30	62	17	124	3	11	-1	-1
173728	14	-20	3009	-100	2333	97	470	26	17	7	64	15	-1	-5	-30	52	18	147	2	20	6	3
173729	-10	-20	4293	-100	337	33	481	8	11	-5	18	-1	-1	-5	60	91	4	127	1	6	-1	1

13784RPT.XLS

Sample ID:	S.Q.Li	S.Q.Be	S.Q.Cl	S.Q.Sc	S.Q.Ti	V	Mn	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Rb	Sr	Y	Zr	Nb	Mo
173730	-10	-20	4399	-100	260	35	387	7	9	-5	-10	-1	-1	-5	64	67	49	313	3	12	-1	-1
173731	14	-20	3079	-100	882	46	629	17	7	11	37	2	-1	-5	65	88	14	157	2	13	2	1
173732	-10	-20	3060	-100	631	73	579	11	10	-5	25	3	-1	-5	-30	110	9	200	1	12	1	1
173733	-10	-20	10014	-100	392	37	551	27	19	9	15	2	-1	-5	67	-30	40	225	2	16	-1	-1
173734	14	-20	-3000	-100	421	51	1579	16	7	9	14	-1	-1	-5	-30	38	65	148	3	13	-1	-1
173735	-10	-20	7084	-100	186	24	1696	13	17	33	-10	6	-1	-5	-30	41	44	97	3	5	-1	2
173736	11	-20	8455	-100	606	62	10694	22	11	15	19	-1	-1	-5	70	76	15	116	-1	5	-1	3
173737	-10	-20	-3000	-100	852	128	943	10	18	43	30	2	-1	-5	-30	42	8	540	5	6	2	9
173738	-10	-20	9340	-100	423	97	676	24	15	30	-10	5	-1	-5	-30	70	4	131	1	6	-1	4
173739	14	-20	4209	-100	-100	50	423	7	18	89	-10	3	-1	-5	-30	-30	1	73	3	-1	-1	4
173740	-10	-20	6678	-100	166	128	335	5	6	111	-10	2	-1	-5	-30	97	13	43	2	2	-1	6
173741	-10	-20	5709	-100	602	88	135	12	-5	107	-10	2	-1	-5	-30	91	112	63	3	2	-1	1
173742	-10	-20	5251	-100	912	90	9475	43	15	19	21	-1	-1	-5	-30	37	67	105	3	10	-1	2
173743	-10	-20	7097	-100	143	81	749	4	34	63	-10	-1	-1	-5	-30	55	15	148	3	2	-1	12
173744	11	-20	-3000	-100	322	35	894	15	30	13	27	-1	-1	-5	-30	86	72	186	3	22	-1	-1
173745	-10	-20	3194	-100	179	37	238	12	12	-5	11	-1	-1	-5	65	98	75	135	4	1	-1	2
173746	12	-20	4993	-100	282	49	400	14	21	7	55	-1	-1	-5	78	190	70	87	7	11	-1	1
173747	-10	-20	-3000	-100	214	27	273	5	12	7	17	-1	-1	-5	-30	111	94	98	6	15	-1	-1
173748	11	-20	5043	-100	-100	14	211	8	20	-5	17	3	-1	-5	-30	79	65	128	5	5	-1	1
173749	10	-20	-3000	-100	348	30	952	10	28	14	54	-1	-1	5	-30	52	36	120	4	6	1	-1
173750	-10	-20	9663	-100	394	39	2204	8	-5	-5	132	7	-1	-5	-30	154	74	237	2	11	-1	1
173751	-10	-20	-3000	-100	1126	37	1187	8	-5	-5	112	3	-1	-5	-30	58	70	82	2	10	2	-1
173752	14	-20	5173	-100	313	23	528	8	10	-5	18	4	-1	-5	73	46	85	193	3	21	1	-1
173753	-10	-20	-3000	-100	248	33	17646	28	18	6	17	3	-1	-5	-30	60	38	342	3	11	-1	2
173754	14	-20	-3000	-100	385	33	1848	27	14	8	54	2	-1	-5	-30	69	137	134	3	14	1	-1
173755	-10	-20	3494	-100	525	30	4519	10	-5	-5	146	4	-1	-5	67	66	55	134	1	8	1	3
173756	-10	-20	3880	-100	438	20	995	9	13	-5	36	2	-1	-5	76	71	101	155	-1	2	-1	-1
173757	-10	-20	3920	-100	325	23	846	4	-5	-5	35	4	-1	-5	-30	73	74	168	1	11	-1	-1
173758	-10	-20	6677	-100	929	51	3385	16	18	10	277	2	1	-5	-30	55	39	139	2	11	3	4
173759	12	-20	-3000	-100	1249	44	1160	7	-5	6	75	6	-1	-5	-30	-30	45	103	3	8	5	5
173760	16	-20	6175	-100	535	98	453	11	52	34	-10	4	-1	10	-30	42	23	262	15	12	2	4
173761	-10	-20	-3000	-100	426	26	2091	10	-5	9	58	3	-1	-5	-30	48	95	214	3	13	2	4
173762	-10	-20	7703	-100	330	45	3531	29	14	11	93	2	-1	-5	47	57	84	428	3	18	-1	5
173763	-10	-20	4090	-100	277	27	2304	15	5	-5	131	3	-1	-5	44	76	81	123	2	5	-1	4
173764	-10	-20	6884	-100	510	29	14726	20	13	-5	533	1	-1	-5	-30	-30	79	220	2	9	1	3
173765	-10	-20	-3000	-100	377	26	4969	12	7	-5	273	4	-1	-5	-30	-30	59	340	-1	10	1	3
173766	-10	-20	-3000	-100	385	35	16568	21	8	-5	261	2	-1	-5	-30	91	79	114	2	12	1	3
173767	-10	-20	-3000	-100	271	40	7776	29	9	-5	114	4	-1	-5	43	-30	129	189	2	6	-1	3
173768	-10	-20	6053	-100	442	23	20922	30	7	5	353	5	-1	-5	-30	74	95	226	-1	8	-1	2
173769	-10	-20	8243	-100	317	46	3514	10	8	9	87	1	-1	-5	38	100	135	213	2	19	1	-1
173770	-10	-20	5172	-100	385	32	1367	6	5	6	136	80	-1	-5	-30	97	61	163	2	8	1	2
173771	-10	-20	3846	-100	141	18	4465	24	5	7	163	2	-1	-5	36	99	82	84	2	7	-1	-1
173772	-10	-20	7861	-100	603	11	529	6	27	-5	28	-1	-1	-5	-30	63	41	305	3	5	2	4
173773	-10	-20	13358	-100	275	27	1226	7	126	24	-10	-1	1	5	-30	95	17	328	5	8	-1	13
173774	11	-20	13719	-100	262	212	1307	10	111	29	57	4	1	13	34	87	5	408	2	3	1	61
173776	18	-20	3756	-100	-100	19	6711	16	19	9	42	-1	-1	8	-30	58	17	172	2	-1	-1	21
173777	-10	-20	-3000	-100	290	27	1278	16	16	6	37	1	-1	6	38	54	50	242	-1	6	1	8
173778	-10	-20	9306	-100	277	33	13794	70	18	10	36	4	-1	5	46	112	75	266	3	16	-1	7
173779	-10	-20	13056	-100	150	30	10089	37	-5	10	193	6	-1	7	-30	165	27	191	2	9	-1	5

13784RPT.XLS

Sample ID:	S.Q.Li	S.Q.Be	S.Q.Cl	S.Q.Sc	S.Q.Ti	V	Mn	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Rb	Sr	Y	Zr	Nb	Mo
173780	-10	-20	3179	-100	385	19	3285	9	-5	9	246	4	-1	-5	-30	91	11	165	1	6	-1	-1
173781	-10	-20	3033	-100	352	30	1637	14	11	5	39	-1	-1	-5	-30	100	116	314	3	14	1	1
173782	-10	-20	8772	-100	263	37	1623	17	8	7	13	2	-1	-5	-30	55	28	124	-1	12	1	8
173783	-10	-20	5587	-100	359	53	6160	13	5	8	326	2	-1	-5	-30	-30	13	207	-1	7	1	11
173784	-10	-20	10966	-100	206	32	2309	10	7	11	93	2	-1	5	-30	66	13	222	-1	8	1	4
173785	-10	-20	17744	-100	121	50	1601	7	38	23	-10	2	-1	10	-30	105	15	156	12	8	-1	5
173786	-10	-20	12191	-100	369	29	8211	38	20	18	32	2	-1	7	-30	89	69	212	6	25	1	5
173787	-10	-20	7426	-100	439	74	3335	30	9	5	59	2	-1	-5	-30	78	12	230	2	14	1	2
173788	-10	-20	8520	-100	297	20	2339	23	15	16	-10	6	-1	7	-30	103	56	187	12	20	-1	4
173789	-10	-20	5410	-100	531	37	845	7	-5	-5	139	2	-1	5	-30	33	8	256	2	7	1	3
173790	-10	-20	4921	-100	459	34	8158	27	28	11	412	16	-1	-5	-30	78	17	366	2	23	1	-1
173791	-10	-20	5990	-100	436	36	6144	9	6	10	414	1	-1	5	-30	39	23	150	-1	7	1	1
173792	-10	-20	14818	-100	295	13	763	6	15	7	105	-1	-1	-5	-30	-30	48	306	-1	2	-1	4
173793	-10	-20	10642	-100	340	16	2951	19	20	9	46	2	-1	-5	-30	65	94	328	6	7	-1	4
173794	-10	-20	6726	-100	248	18	7458	40	19	10	87	2	-1	6	35	58	16	292	2	11	-1	-1
173795	-10	-20	5561	-100	1626	130	761	10	18	9	85	6	-1	10	-30	-30	27	228	3	31	7	4
173796	-10	-20	-3000	-100	304	16	14243	36	21	7	51	3	-1	-5	37	70	109	154	4	12	-1	-1
173797	-10	-20	-3000	-100	441	49	3325	20	-5	-5	324	3	-1	-5	-30	-30	17	216	1	6	1	8
173798	-10	-20	7065	-100	239	15	1631	10	14	410	363	2	-1	-5	-30	53	110	232	5	5	-1	-1
173799	14	-20	5989	-100	133	12	380	4	-5	21	17	-1	-1	-5	-30	73	59	194	3	5	-1	1
173800	-10	-20	5921	-100	1483	64	6538	8	12	15	167	7	-1	12	-30	35	32	199	5	25	4	-1
173801	-10	-20	-3000	-100	168	13	488	6	19	11	-10	-1	-1	6	-30	-30	82	182	3	6	-1	2
173802	-10	-20	9697	-100	268	19	4280	9	12	7	25	-1	1	8	-30	91	71	456	4	3	-1	5
173803	-10	-20	6258	-100	126	11	487	10	7	7	-10	-1	-1	5	-30	164	89	103	2	6	-1	4
173804	-10	-20	5716	-100	320	31	3846	10	-5	9	42	1	-1	-5	-30	100	62	136	3	12	-1	3
173805	-10	-20	5541	-100	244	21	5114	21	10	8	23	2	-1	-5	-30	173	118	113	2	12	1	4
173806	-10	-20	12503	-100	517	103	3328	14	5	10	94	4	-1	-5	-30	234	46	140	2	14	-1	3
173807	-10	-20	15616	-100	511	64	10322	23	21	15	153	2	-1	7	51	207	90	223	2	12	1	4
173808	-10	-20	8125	-100	712	64	5208	9	-5	12	417	7	-1	5	-30	82	5	205	1	11	2	-1
173809	14	-20	8359	-100	2605	154	5678	17	23	23	136	11	1	19	56	166	107	231	5	61	7	4
173810	-10	-20	-3000	-100	834	52	1587	6	-5	11	46	2	-1	7	-30	-30	92	70	2	17	2	-1
173811	-10	-20	-3000	-100	388	38	1190	14	-5	10	14	-1	-1	8	-30	30	42	325	4	12	1	4
173812	-10	-20	11011	-100	222	17	1187	12	7	-5	29	6	-1	8	-30	103	108	106	3	7	-1	3
173813	-10	-20	16114	-100	177	47	425	5	13	11	-10	-1	-1	19	-30	96	12	449	4	6	-1	10
173815	15	-20	13982	-100	-100	94	1142	7	78	133	-10	1	-1	29	34	88	9	322	8	2	-1	10
173816	23	-20	7475	-100	914	85	1494	26	10	41	58	2	-1	25	-30	31	30	270	3	20	3	-1
173817	-10	-20	11537	-100	473	66	6830	25	9	22	12	1	1	12	40	71	15	541	7	15	1	6
173818	-10	-20	5572	-100	352	32	2873	12	-5	9	49	1	-1	7	-30	-30	78	172	2	14	1	1
173819	-10	-20	11622	-100	258	47	2788	44	190	43	-10	2	-1	10	-30	53	88	431	19	41	1	2
173820	-10	-20	3500	-100	222	19	2855	71	140	12	26	-1	-1	-5	-30	44	41	258	5	16	-1	2
173821	-10	-20	14391	-100	535	20	5916	33	46	13	121	1	-1	-5	-30	-30	135	162	2	18	1	2
173825	13	-20	-3000	-100	483	45	335	9	119	13	-10	2	-1	11	-30	145	54	217	8	9	2	12
173826	16	-20	-3000	-100	185	29	2377	29	185	-5	-10	4	3	5	-30	-30	35	210	4	2	-1	34
173827	-10	-20	7192	-100	317	20	1845	21	217	-5	-10	1	-1	-5	-30	53	28	156	6	5	1	10
173828	-10	-20	-3000	-100	387	15	1396	32	35	5	156	2	-1	-5	-30	55	108	149	2	15	1	-1
173829	-10	-20	3697	-100	651	24	964	9	12	-5	144	3	-1	-5	-30	-30	51	60	1	2	3	1
173830	-10	-20	6000	-100	359	29	38352	166	116	13	22	3	-1	-5	42	97	192	122	12	12	2	-1
173831	26	-20	-3000	-100	240	24	1549	33	42	6	30	4	-1	-5	-30	63	25	45	7	11	-1	-1
173832	15	-20	7115	-100	523	47	10576	192	45	7	263	2	-1	-5	-30	-30	11	214	2	7	1	2

Sample ID:	S.Q.Li	S.Q.Be	S.Q.Cl	S.Q.Sc	S.Q.Ti	V	Mn	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Rb	Sr	Y	Zr	Nb	Mo
173833	12	-20	9611	-100	489	45	3876	7	30	8	1004	2	-1	-5	-30	-30	19	476	-1	5	2	-1
173834	34	-20	3107	-100	1323	75	9498	67	16	10	70	12	-1	6	36	72	129	216	3	15	6	6
173835	106	-20	9939	-100	2260	86	525	21	41	23	72	8	2	8	-30	149	171	256	9	58	16	1
173836	-10	-20	8891	-100	376	34	753	7	18	-5	-10	3	-1	7	-30	72	15	203	2	5	2	12
173837	-10	-20	3887	-100	334	34	1124	5	32	-5	-10	-1	-1	-5	-30	81	1	239	2	3	2	32
173839	-10	-20	8901	-100	534	16	12800	22	24	19	67	2	-1	-5	-30	95	118	164	2	15	1	6

Certified By:

*David D'Anna*D. D'Anna, Dipl. T.
ICPMS Technical Manager, Actlabs Ltd.

Date:

18 Sept 97

This report shall not be reproduced except in full without the written approval of the laboratory
 Unless otherwise instructed, samples will be disposed of 90 days from the date of this report
 "Rh & Ir have been dropped from the report due to a change in the standardization procedure"

Enzyme Leach J
Trace Element Val
Values = 999999 a

Sample ID:	Ru	Pd	Ag	Cd	In	Sn	Sb	Te	I	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Os	Pt
273371	-1	-1	-0.2	0.7	-0.2	-1	-1	-1	32	-1	1232	3	4	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273372	-1	-1	-0.2	2.5	-0.2	-1	2	-1	33	-1	1280	3	5	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273373	-1	-1	-0.2	1.9	-0.2	-1	1	-1	25	1	1454	5	6	1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273374	-1	-1	-0.2	0.4	-0.2	-1	-1	-1	23	-1	919	2	3	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273375	-1	-1	-0.2	0.4	-0.2	-1	2	-1	26	-1	1597	7	14	2	9	2	-1	3	-1	2	-1	-1	-1	1	-1	-1	-1	-1	-0.1	-1	-1
273376	-1	-1	-0.2	2.5	-0.2	-1	2	2	34	-1	1079	4	7	1	5	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273377	-1	-1	-0.2	1.0	-0.2	-1	1	-1	36	-1	869	2	4	-1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273378	-1	-1	-0.2	0.7	0.3	-1	-1	-1	22	-1	815	3	5	-1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273379	-1	-1	-0.2	4.6	-0.2	-1	-1	-1	30	-1	1301	3	6	-1	3	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273380	-1	-1	-0.2	0.7	-0.2	-1	-1	-1	32	-1	710	3	6	-1	2	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273381	-1	-1	-0.2	6.9	-0.2	-1	-1	-1	40	-1	1517	1	3	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273382	-1	-1	-0.2	1.9	-0.2	-1	-1	-1	28	-1	889	1	2	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273383	-1	-1	-0.2	2.5	0.3	-1	1	-1	37	-1	828	1	2	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273384	-1	-1	-0.2	0.4	-0.2	-1	-1	-1	24	-1	418	1	3	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273385	-1	-1	-0.2	0.7	-0.2	-1	-1	-1	34	-1	242	1	3	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273386	-1	-1	-0.2	-0.2	-0.2	-1	1	-1	28	-1	208	2	3	1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273387	-1	-1	-0.2	1.3	-0.2	-1	1	-1	31	-1	285	1	2	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273388	-1	-1	-0.2	1.3	-0.2	-1	-1	-1	21	-1	779	3	4	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273389	-1	-1	-0.2	0.4	0.3	-1	3	1	43	-1	202	2	2	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273390	-1	-1	-0.2	-0.2	-0.2	-1	3	-1	39	-1	133	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273391	-1	-1	-0.2	4.9	-0.2	-1	2	-1	23	-1	193	-1	2	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273392	-1	-1	-0.2	-0.2	0.3	-1	6	2	45	-1	332	8	2	2	10	-1	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273393	-1	-1	-0.2	0.4	-0.2	-1	-1	-1	22	-1	321	2	2	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273394	-1	-1	-0.2	-0.2	-0.2	-1	4	-1	31	-1	357	1	1	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273396	-1	-1	-0.2	0.7	-0.2	-1	2	-1	21	-1	117	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273397	-1	-1	-0.2	-0.2	-0.2	-1	4	-1	34	-1	235	4	8	1	5	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273398	-1	-1	-0.2	-0.2	-0.2	-1	4	-1	44	-1	182	2	5	-1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273399	-1	-1	-0.2	-0.2	-0.2	-1	2	-1	26	-1	239	-1	2	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273400	-1	-1	-0.2	-0.2	-0.2	-1	3	-1	26	-1	324	3	5	-1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273401	-1	-1	-0.2	1.3	-0.2	-1	8	-1	38	-1	322	2	3	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273402	-1	-1	-0.2	2.5	-0.2	-1	1	-1	43	-1	1027	2	3	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273403	-1	-1	-0.2	1.0	-0.2	-1	-1	-1	21	-1	429	1	2	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273404	-1	-1	-0.2	-0.2	-0.2	-1	6	-1	31	-1	400	3	6	1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273405	-1	-1	-0.2	1.3	-0.2	-1	-1	-1	27	-1	2764	4	7	1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273406	-1	-1	-0.2	-0.2	-0.2	-1	-1	-1	32	-1	238	3	5	-1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273407	-1	-1	-0.2	1.0	-0.2	-1	-1	-1	25	-1	690	1	3	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273408	-1	-1	-0.2	0.7	-0.2	-1	-1	-1	19	-1	502	2	3	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273409	-1	-1	-0.2	2.2	-0.2	-1	-1	-1	19	-1	394	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273410	-1	-1	-0.2	2.2	-0.2	-1	-1	-1	20	-1	887	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273411	-1	-1	-0.2	6.0	-0.2	-1	-1	-1	31	-1	599	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273412	-1	-1	-0.2	1.3	0.3	2	-1	-1	17	3	769	2	9	1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	-0.1	-1	-1
273413	-1	-1	-0.2	1.9	-0.2	-1	-1	-1	14	-1	788	2	4	1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273414	-1	-1	-0.2	0.7	-0.2	-1	-1	-1	24	-1	1014	4	9	1	4	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273415	-1	-1	-0.2	2.8	-0.2	-1	2	-1	23	-1	429	3	5	-1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273416	-1	-1	-0.2	3.7	-0.2	-1	-1	-1	13	-1	587	1	2	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273417	-1	-1	-0.2	-0.2	-0.2	-1	-1	-1	27	-1	1191	4	9	2	4	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1

Sample ID:	Ru	Pd	Ag	Cd	In	Sn	Sb	Te	I	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Os	Pt
273418	-1	-1	-0.2	1.9	0.3	-1	-1	-1	40	-1	1326	10	19	3	9	-1	-1	3	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273419	-1	-1	-0.2	2.2	-0.2	-1	-1	-1	17	-1	1565	3	4	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273420	-1	-1	-0.2	6.1	-0.2	-1	-1	-1	20	-1	2820	8	14	2	7	1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273421	-1	-1	-0.2	3.4	0.3	-1	-1	-1	15	-1	1141	3	4	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273422	-1	-1	-0.2	2.2	-0.2	-1	-1	3	27	-1	832	3	6	-1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273423	-1	-1	-0.2	1.6	-0.2	-1	-1	-1	14	-1	1156	1	3	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273424	-1	-1	-0.2	1.6	-0.2	-1	-1	-1	-10	-1	1100	3	2	1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273425	-1	-1	-0.2	4.9	-0.2	1	-1	-1	12	-1	1713	3	4	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273426	-1	-1	0.4	3.5	0.2	2	2	-1	28	6	5637	18	34	5	17	5	5	5	-1	3	-1	2	-1	2	-1	3	-1	4	-0.1	-1	-1
273427	-1	-1	-0.2	1.6	-0.2	-1	3	-1	21	-1	767	6	14	2	6	1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273428	-1	-1	-0.2	8.8	-0.2	-1	-1	1	12	-1	1548	3	6	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273429	-1	-1	-0.2	4.3	-0.2	-1	-1	-1	27	-1	3426	7	11	1	4	1	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273430	-1	-1	0.3	5.2	-0.2	-1	1	-1	-10	2	1109	3	7	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	-0.1	-1	-1	
273431	-1	-1	-0.2	-0.2	-0.2	-1	2	-1	24	-1	2551	9	14	2	8	1	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273432	-1	-1	-0.2	0.7	-0.2	-1	2	2	23	-1	927	7	16	2	9	1	-1	1	-1	2	-1	-1	-1	-1	-1	-1	1	-0.1	-1	-1	
273433	-1	-1	-0.2	0.4	-0.2	-1	-1	-1	13	-1	1293	6	18	2	8	2	-1	1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273434	-1	-1	-0.2	1.9	-0.2	-1	-1	-1	20	1	1345	7	12	1	5	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	-0.1	-1	-1	
273435	-1	-1	-0.2	0.4	-0.2	-1	1	-1	12	-1	1339	9	17	2	7	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273436	-1	-1	-0.2	1.6	-0.2	-1	1	-1	14	1	2181	13	33	5	20	4	1	6	-1	3	-1	1	-1	1	-1	-1	-1	-1	-0.1	-1	-1
273437	-1	-1	-0.2	1.3	-0.2	-1	2	2	21	-1	1586	7	17	2	10	2	-1	1	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273438	-1	-1	-0.2	0.8	-0.2	-1	4	-1	-10	-1	1420	6	15	2	8	2	-1	2	-1	1	-1	-1	-1	-1	-1	-1	5	-0.1	-1	-1	
273439	-1	-1	-0.2	0.7	-0.2	-1	3	1	14	-1	984	5	12	2	6	1	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273440	-1	-1	-0.2	0.7	-0.2	-1	2	-1	15	1	2149	15	33	4	15	3	-1	4	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273441	-1	-1	-0.2	1.3	-0.2	-1	-1	-1	16	-1	957	3	7	1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273442	-1	-1	-0.2	2.8	-0.2	-1	-1	-1	13	-1	3151	3	6	-1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273443	-1	-1	-0.2	-0.2	-0.2	-1	4	2	12	-1	934	7	12	2	8	2	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273444	-1	-1	-0.2	2.2	-0.2	-1	3	-1	33	-1	952	12	18	4	17	3	-1	3	-1	3	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273445	-1	-1	-0.2	4.9	-0.2	-1	5	-1	26	-1	949	19	31	6	25	5	1	5	-1	4	-1	2	-1	1	-1	-1	-1	-1	-0.1	-1	-1
273446	-1	-1	-0.2	3.4	-0.2	-1	3	-1	23	-1	1361	6	10	2	6	1	-1	1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273447	-1	-1	-0.2	1.3	-0.2	-1	-1	-1	12	-1	1838	5	10	1	4	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273448	-1	-1	-0.2	1.3	-0.2	-1	-1	-1	19	-1	2072	3	5	-1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273449	-1	-1	-0.2	2.8	-0.2	-1	-1	-1	15	-1	1839	1	2	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273450	-1	-1	-0.2	1.0	-0.2	-1	-1	1	13	-1	1754	1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273451	-1	-1	-0.2	0.4	-0.2	-1	-1	-1	21	-1	890	2	3	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273452	-1	-1	-0.2	1.3	0.3	-1	-1	-1	23	-1	1242	1	2	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273453	-1	-1	-0.2	2.2	0.3	-1	-1	-1	14	-1	736	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273454	-1	-1	-0.2	1.0	-0.2	1	-1	-1	14	-1	785	2	3	-1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273456	-1	-1	0.3	2.5	-0.2	-1	-1	-1	12	-1	871	2	4	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273457	-1	-1	0.4	1.6	-0.2	5	2	-1	24	8	1302	12	25	3	11	1	-1	2	-1	2	-1	-1	-1	-1	-1	-1	2	-0.1	-1	-1	
273458	-1	-1	0.2	4.6	0.3	-1	-1	-1	-10	1	1490	8	14	2	6	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273459	-1	-1	-0.2	3.5	-0.2	-1	-1	-1	16	-1	2589	8	14	2	6	1	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273460	-1	-1	-0.2	1.9	0.3	5	2	-1	25	1	1991	13	25	3	11	2	-1	2	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273461	-1	-1	0.3	1.9	0.3	2	1	-1	21	1	1006	7	14	2	7	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	-0.1	-1	-1	
273462	-1	-1	-0.2	3.0	-0.2	2	1	-1	13	1	1061	4	11	1	4	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	-0.1	-1	-1	
273463	-1	-1	0.3	3.3	0.3	3	1	-1	22	2	869	4	10	1	4	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	-0.1	-1	-1	
273464	-1	-1	-0.2	1.9	-0.2	2	-1	-1	22	1	1093	7	14	2	5	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	-0.1	-1	-1	
273465	-1	-1	-0.2	-0.2	0.3	-1	1	1	16	-1	1029	5	10	1	5	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273466	-1	-1	-0.2	3.5	0.3	-1	-1	-1	23	2	1842	17	30	4	14	2	-1	3	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
273467	-1	-1	-0.2	1.9	0.3	-1	-1	-1	36	2	2508	15	27	3	10	2	-1	2	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1

13784RPT.XLS

Sample ID:	Ru	Pd	Ag	Cd	In	Sn	Sb	Te	I	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Os	Pt	
273468	-1	-1	-0.2	3.3	-0.2	-1	-1	-1	18	1	1709	27	55	9	37	7	1	8	1	6	-1	2	-1	2	-1	-1	-1	-1	-1	-0.1	-1	-1
273469	-1	-1	-0.2	3.0	0.7	6	-1	-1	15	-1	939	7	22	3	10	1	-1	2	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
273481	-1	-1	-0.2	1.9	-0.2	-1	-1	-1	-10	-1	1271	11	21	3	15	4	-1	4	-1	4	-1	1	-1	1	-1	-1	-1	1	-0.1	-1	-1	
273482	-1	-1	-0.2	4.1	-0.2	-1	-1	1	43	2	2423	10	18	3	11	2	-1	2	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
273483	-1	-1	-0.2	0.3	-0.2	-1	-1	-1	14	-1	585	5	9	1	6	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
273484	-1	-1	-0.2	1.1	-0.2	-1	1	-1	17	-1	538	27	65	7	21	3	-1	5	-1	4	-1	-1	-1	1	-1	-1	-1	-1	-0.1	-1	-1	
273486	-1	-1	-0.2	2.7	-0.2	-1	1	-1	24	2	1548	18	30	6	19	3	-1	4	-1	3	-1	1	-1	1	-1	-1	-1	-1	-0.1	-1	-1	
273487	-1	-1	-0.2	1.3	0.3	2	2	1	27	-1	1000	23	36	6	25	4	-1	6	-1	4	-1	2	-1	1	-1	-1	-1	1	-0.1	-1	-1	
273489	-1	-1	-0.2	4.6	0.3	3	5	-1	56	-1	4588	56	109	14	54	10	2	11	1	8	1	3	-1	2	-1	-1	-1	2	-0.1	-1	-1	
273490	-1	-1	-0.2	4.6	-0.2	-1	-1	-1	24	-1	945	8	17	2	8	-1	-1	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
273491	-1	-1	-0.2	0.5	-0.2	-1	-1	-1	13	-1	837	3	7	1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
273492	-1	-1	-0.2	1.6	-0.2	-1	-1	-1	16	-1	1052	3	7	1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
273493	-1	-1	-0.2	0.8	0.3	-1	-1	-1	13	-1	824	3	4	-1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
273494	-1	-1	-0.2	2.7	-0.2	-1	-1	-1	13	-1	911	2	6	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
273495	-1	-1	-0.2	0.8	-0.2	-1	-1	-1	-10	-1	677	1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
273496	-1	-1	-0.2	1.1	-0.2	-1	-1	-1	24	-1	1313	4	9	1	4	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
273497	-1	-1	-0.2	2.7	-0.2	1	-1	-1	22	2	1878	6	15	1	5	2	-1	1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
273498	-1	-1	-0.2	0.8	-0.2	-1	-1	-1	13	-1	714	2	5	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
273499	-1	-1	-0.2	0.8	-0.2	-1	-1	-1	14	-1	945	3	4	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
273500	-1	-1	-0.2	1.6	-0.2	-1	-1	-1	-10	-1	599	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173701	-1	-1	-0.2	0.8	-0.2	-1	-1	-1	12	-1	620	1	3	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173702	-1	-1	-0.2	0.5	-0.2	-1	-1	-1	16	-1	515	1	3	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173703	-1	-1	-0.2	1.4	-0.2	-1	-1	-1	-10	-1	669	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173704	-1	-1	-0.2	6.2	-0.2	-1	-1	-1	15	-1	1099	2	5	-1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173705	-1	-1	-0.2	1.4	-0.2	-1	-1	-1	-10	-1	911	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173706	-1	-1	-0.2	0.5	-0.2	-1	-1	-1	14	-1	105	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173707	-1	-1	-0.2	0.5	-0.2	-1	1	-1	16	-1	306	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173708	-1	-1	-0.2	5.2	-0.2	-1	-1	-1	13	-1	708	1	2	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173709	-1	-1	-0.2	3.5	-0.2	-1	-1	-1	16	-1	647	1	2	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173710	-1	-1	-0.2	1.9	-0.2	-1	-1	-1	-10	-1	1141	3	4	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173711	-1	-1	-0.2	1.1	-0.2	-1	-1	-1	16	-1	945	4	6	1	4	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173712	-1	-1	-0.2	3.3	-0.2	-1	-1	-1	18	-1	219	1	3	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173713	-1	-1	-0.2	0.8	-0.2	-1	-1	-1	-10	-1	704	1	3	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173714	-1	-1	-0.2	3.3	-0.2	-1	-1	-1	12	-1	777	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173715	-1	-1	-0.2	1.4	0.3	-1	-1	1	19	-1	676	7	9	2	9	1	-1	3	-1	2	-1	-1	-1	1	-1	-1	-1	-1	-0.1	-1	-1	
173716	-1	-1	-0.2	0.3	-0.2	-1	1	-1	-10	-1	25	-1	1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173717	-1	-1	-0.2	-0.2	0.3	-1	2	-1	14	-1	112	-1	1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173718	-1	-1	-0.2	-0.2	-0.2	-1	-1	-1	10	-1	163	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173719	-1	-1	-0.2	-0.2	0.3	1	-1	-1	16	-1	876	2	3	-1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173720	-1	-1	-0.2	-0.2	-0.2	-1	-1	-1	12	-1	284	-1	1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173721	-1	-1	-0.2	0.3	-0.2	-1	-1	-1	27	-1	466	-1	2	-1	1	-1	-1	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173722	-1	-1	-0.2	4.3	-0.2	-1	-1	1	27	1	1533	2	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173723	-1	-1	-0.2	1.6	0.3	2	-1	-1	19	4	1395	4	7	1	4	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	-1	-0.1	-1	-1	
173724	-1	-1	0.4	3.0	-0.2	3	1	-1	-10	2	1316	8	16	3	8	2	1	2	-1	1	-1	-1	-1	-1	-1	-1	2	-1	-0.1	-1	-1	
173725	-1	-1	-0.2	1.4	-0.2	-1	-1	-1	23	-1	1026	2	5	1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173726	-1	-1	-0.2	1.4	-0.2	-1	-1	-1	25	-1	1174	4	9	1	6	-1	-1	1	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173727	-1	-1	-0.2	2.7	-0.2	-1	-1	-1	20	-1	1257	3	7	1	4	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173728	-1	-1	0.2	3.3	-0.2	1	-1	-1	-10	1	2272	5	6	1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173729	-1	-1	-0.2	1.4	-0.2	-1	-1	-1	14	-1	1333	1	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	

13784RPT.XLS

Sample ID:	Ru	Pd	Ag	Cd	In	Sn	Sb	Te	I	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Os	Pt
173730	-1	-1	-0.2	1.1	-0.2	-1	-1	-1	15	-1	1058	3	6	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173731	-1	-1	-0.2	1.9	-0.2	-1	-1	-1	16	-1	1054	1	3	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173732	-1	-1	-0.2	0.8	-0.2	-1	-1	-1	15	-1	1271	1	4	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173733	-1	-1	-0.2	2.2	-0.2	-1	-1	-1	13	-1	1585	3	5	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173734	-1	-1	-0.2	1.6	-0.2	-1	-1	-1	15	-1	2188	4	6	1	4	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173735	-1	-1	-0.2	-0.2	-0.2	-1	1	-1	25	-1	720	3	7	1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173736	-1	-1	-0.2	1.4	-0.2	-1	-1	-1	15	-1	761	2	2	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173737	-1	-1	-0.2	2.7	-0.2	-1	1	-1	16	-1	764	3	9	2	6	1	-1	2	-1	1	-1	-1	-1	-1	-1	-1	-1	2	-0.1	-1	-1
173738	-1	-1	-0.2	0.3	-0.2	-1	-1	-1	17	-1	271	-1	1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173739	-1	-1	-0.2	0.3	0.3	-1	-1	-1	16	-1	162	-1	1	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	2	-0.1	-1	-1
173740	-1	-1	-0.2	-0.2	-0.2	-1	-1	-1	17	-1	541	-1	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173741	-1	-1	-0.2	0.3	-0.2	-1	-1	1	12	-1	1242	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173742	-1	-1	-0.2	3.0	-0.2	-1	-1	-1	24	-1	1345	2	5	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173743	-1	-1	-0.2	1.1	-0.2	-1	2	-1	13	-1	647	-1	3	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173744	-1	-1	-0.2	0.8	-0.2	-1	-1	-1	27	-1	1779	4	5	1	4	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173745	-1	-1	-0.2	0.8	-0.2	-1	-1	-1	42	-1	1871	3	5	-1	4	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173746	-1	-1	-0.2	0.8	-0.2	-1	-1	-1	56	-1	1437	6	11	2	7	-1	-1	2	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173747	-1	-1	-0.2	1.4	-0.2	-1	-1	-1	41	-1	1378	8	14	2	6	2	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173748	-1	-1	-0.2	0.8	-0.2	-1	-1	-1	22	-1	2309	9	13	2	5	1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173749	-1	-1	-0.2	0.8	-0.2	-1	-1	-1	30	-1	758	4	7	-1	4	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173750	-1	-1	-0.2	1.4	-0.2	-1	-1	-1	20	-1	963	2	4	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173751	-1	-1	-0.2	1.4	-0.2	-1	-1	-1	17	-1	954	3	6	-1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173752	-1	-1	-0.2	1.1	-0.2	-1	-1	2	29	-1	2724	5	9	1	4	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173753	-1	-1	-0.2	4.4	-0.2	-1	1	-1	25	-1	2341	4	8	1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173754	-1	-1	-0.2	2.2	-0.2	-1	-1	-1	27	-1	2830	6	11	1	4	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173755	-1	-1	-0.2	3.3	-0.2	-1	-1	-1	16	-1	684	2	4	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173756	-1	-1	-0.2	2.2	-0.2	-1	-1	-1	17	-1	1525	2	3	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173757	-1	-1	-0.2	0.8	-0.2	-1	-1	1	18	-1	1318	2	4	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173758	-1	-1	-0.2	2.2	-0.2	-1	1	-1	14	-1	1025	3	6	1	4	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173759	-1	-1	-0.2	3.0	0.3	2	-1	-1	-10	2	679	2	3	1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	2	-0.1	-1	-1
173760	-1	-1	-0.2	-0.2	-0.2	-1	-1	-1	11	-1	1487	11	20	4	17	4	-1	4	-1	4	-1	2	-1	1	-1	-1	-1	-1	-0.1	-1	-1
173761	-1	-1	-0.2	1.4	-0.2	-1	-1	-1	14	-1	1567	4	7	1	4	-1	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173762	-1	-1	-0.2	3.8	-0.2	-1	-1	-1	23	-1	5162	4	7	2	4	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173763	-1	-1	-0.2	0.8	0.3	-1	-1	-1	15	-1	1213	2	4	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173764	-1	-1	-0.2	1.4	-0.2	-1	-1	-1	16	-1	2103	2	4	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173765	-1	-1	-0.2	0.3	-0.2	-1	-1	-1	10	-1	1343	2	3	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173766	-1	-1	-0.2	2.5	-0.2	-1	-1	-1	26	-1	1190	2	5	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173767	-1	-1	-0.2	1.4	-0.2	-1	-1	-1	16	-1	2408	2	4	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173768	-1	-1	-0.2	1.9	-0.2	-1	-1	-1	13	-1	1705	1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173769	-1	-1	-0.2	0.8	-0.2	-1	-1	-1	57	1	1587	2	4	1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	-0.1	-1	-1
173770	-1	-1	-0.2	0.5	-0.2	-1	-1	-1	22	-1	1013	3	5	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173771	-1	-1	-0.2	0.5	-0.2	-1	-1	-1	22	-1	1207	2	5	-1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173772	-1	-1	-0.2	2.2	-0.2	-1	1	-1	17	-1	1735	6	10	1	4	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173773	-1	-1	-0.2	1.6	0.3	-1	9	-1	37	-1	1927	6	8	2	5	2	-1	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	0.2	-1	-1
173774	-1	-1	-0.2	1.6	0.3	-1	13	-1	16	-1	1609	2	5	-1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0.2	-1	-1
173776	-1	-1	-0.2	1.6	-0.2	-1	-1	-1	11	-1	663	3	10	-1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173777	-1	-1	-0.2	29	-0.2	-1	-1	-1	11	-1	1011	2	5	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173778	-1	-1	-0.2	7.6	0.3	-1	-1	-1	21	-1	1539	5	13	1	4	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173779	-1	-1	-0.2	3.3	-0.2	-1	-1	2	27	-1	939	3	7	-1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1

Sample ID:	Ru	Pd	Ag	Cd	In	Sn	Sb	Te	I	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Os	Pt
173780	-1	-1	-0.2	2.7	-0.2	-1	-1	-1	10	-1	1036	2	4	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173781	-1	-1	-0.2	10	-0.2	-1	-1	-1	15	-1	2264	6	11	-1	4	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173782	-1	-1	-0.2	5.7	0.3	-1	-1	-1	10	-1	321	2	4	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173783	-1	-1	-0.2	11	-0.2	-1	-1	-1	-10	-1	1066	2	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173784	-1	-1	-0.2	6.5	-0.2	-1	-1	-1	10	-1	895	1	3	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173785	-1	-1	-0.2	1.9	0.3	-1	3	2	49	-1	547	6	7	2	8	2	-1	2	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173786	-1	-1	-0.2	7.6	-0.2	-1	-1	-1	38	-1	1468	6	14	2	7	-1	-1	1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173787	-1	-1	-0.2	11	-0.2	-1	-1	1	15	-1	1301	2	6	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173788	-1	-1	-0.2	8.4	-0.2	-1	-1	-1	29	-1	1393	14	18	4	16	3	-1	2	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173789	-1	-1	-0.2	4.4	-0.2	-1	-1	-1	-10	-1	861	2	4	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173790	-1	-1	-0.2	34	-0.2	-1	-1	-1	13	-1	2679	3	5	-1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173791	-1	-1	-0.2	1.9	-0.2	-1	-1	-1	13	-1	1234	2	3	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173792	-1	-1	-0.2	2.5	0.3	-1	-1	-1	16	-1	1815	2	3	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173793	-1	-1	-0.2	5.4	-0.2	-1	-1	-1	24	-1	1819	12	24	3	9	2	-1	3	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173794	-1	-1	-0.2	3.3	-0.2	-1	-1	-1	13	-1	2306	4	6	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173795	-1	-1	0.3	13	-0.2	2	1	-1	-10	-1	1589	3	6	1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173796	-1	-1	-0.2	5.4	-0.2	-1	-1	-1	20	-1	3313	8	21	2	7	1	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173797	-1	-1	-0.2	11	-0.2	-1	1	-1	-10	-1	1023	2	5	-1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173798	-1	-1	-0.2	2.5	-0.2	-1	-1	-1	16	-1	1647	5	9	1	5	2	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173799	-1	-1	-0.2	1.9	-0.2	-1	-1	-1	16	-1	1307	4	8	1	3	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173800	-1	-1	-0.2	5.5	-0.2	3	1	-1	10	1	2378	2	7	1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173801	-1	-1	-0.2	0.5	-0.2	-1	-1	-1	13	-1	1513	3	7	1	4	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173802	-1	-1	-0.2	3.0	-0.2	-1	2	-1	25	-1	3196	6	11	1	5	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173803	-1	-1	-0.2	1.5	0.3	-1	-1	-1	16	-1	900	3	6	1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173804	-1	-1	-0.2	1.5	-0.2	-1	-1	1	17	-1	1789	3	6	-1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173805	-1	-1	-0.2	1.0	-0.2	-1	-1	-1	40	-1	613	3	8	1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173806	-1	-1	-0.2	1.3	-0.2	-1	-1	-1	35	-1	1264	2	5	1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173807	-1	-1	-0.2	1.5	-0.2	-1	-1	-1	29	-1	1243	3	6	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173808	-1	-1	-0.2	1.3	-0.2	-1	-1	-1	22	-1	777	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173809	-1	-1	-0.2	1.5	-0.2	1	2	-1	26	2	1549	3	8	1	3	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173810	-1	-1	-0.2	2.3	-0.2	-1	-1	-1	17	-1	934	3	6	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173811	-1	-1	-0.2	0.8	-0.2	-1	-1	-1	20	-1	2068	3	8	1	4	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173812	-1	-1	-0.2	1.5	-0.2	-1	-1	-1	19	-1	1594	3	8	1	4	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173813	-1	-1	-0.2	0.5	-0.2	-1	5	1	23	-1	1580	3	8	1	5	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173815	-1	-1	-0.2	0.5	-0.2	-1	6	-1	29	-1	298	4	5	1	5	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173816	-1	-1	-0.2	1.8	0.3	-1	1	-1	20	1	454	3	8	-1	4	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173817	-1	-1	-0.2	0.8	-0.2	-1	2	-1	24	-1	692	2	5	1	5	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173818	-1	-1	-0.2	7.0	-0.2	-1	-1	-1	19	-1	944	2	5	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173819	-1	-1	-0.2	1.5	-0.2	-1	2	-1	39	-1	1825	18	42	6	24	6	1	6	-1	3	-1	1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173820	-1	-1	-0.2	2.5	-0.2	-1	-1	-1	19	-1	2645	7	14	2	6	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173821	-1	-1	-0.2	3.8	-0.2	-1	-1	-1	20	-1	1328	4	9	1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173825	-1	-1	-0.2	0.5	-0.2	-1	1	-1	12	-1	586	11	17	3	12	2	-1	2	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173826	-1	-1	0.2	1.2	-0.2	-1	2	1	18	-1	371	6	14	2	4	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173827	-1	-1	-0.2	0.3	-0.2	-1	-1	-1	14	-1	417	15	23	4	9	2	-1	3	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173828	-1	-1	-0.2	1.0	-0.2	-1	-1	-1	16	-1	837	3	5	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173829	-1	-1	-0.2	1.5	0.3	-1	-1	-1	-10	-1	809	2	5	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173830	-1	-1	-0.2	4.8	-0.2	-1	-1	1	28	1	2237	15	37	4	14	2	-1	3	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173831	-1	-1	-0.2	5.8	0.3	-1	-1	-1	13	-1	1171	6	15	2	7	2	-1	2	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173832	-1	-1	-0.2	1.3	-0.2	-1	-1	-1	-10	-1	1837	3	8	-1	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1

13784RPT.XLS

Sample ID:	Ru	Pd	Ag	Cd	In	Sn	Sb	Te	I	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Os	Pt	
173833	-1	-1	-0.2	6.0	-0.2	-1	-1	-1	-10	-1	1031	1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1
173834	-1	-1	-0.2	2.0	-0.2	1	1	-1	14	4	869	5	7	1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	2	-0.1	-1	-1	
173835	-1	-1	0.7	1.5	0.3	6	-1	1	36	9	1903	13	26	3	11	2	-1	2	-1	2	-1	-1	-1	1	-1	2	1	2	-0.1	-1	-1	
173836	-1	-1	-0.2	0.2	0.3	-1	1	-1	16	-1	372	3	8	-1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	
173837	-1	-1	-0.2	-0.2	-0.2	-1	1	-1	17	-1	377	2	6	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	-0.1	-1	-1	-1	
173839	-1	-1	-0.2	4.5	-0.2	-1	-1	-1	29	-1	1188	5	12	-1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-0.1	-1	-1	

Enzyme Leach J
Trace Element Val
Values = 999999 a

Sample ID:	Au	S.Q.Hg	Tl	Pb	Bi	Th	U
273371	-0.1	-1.0	-1	-1	-1	-1	2
273372	-0.1	-1.0	-1	-1	-1	2	4
273373	-0.1	-1.0	-1	6	-1	2	9
273374	-0.1	-1.0	-1	-1	-1	-1	2
273375	-0.1	-1.0	-1	-1	-1	2	8
273376	-0.1	-1.0	-1	-1	-1	-1	6
273377	-0.1	-1.0	-1	-1	-1	-1	5
273378	-0.1	-1.0	-1	-1	-1	1	4
273379	-0.1	-1.0	-1	-1	-1	-1	5
273380	-0.1	-1.0	-1	-1	-1	-1	3
273381	-0.1	-1.0	-1	-1	-1	1	-1
273382	-0.1	-1.0	-1	-1	-1	-1	1
273383	-0.1	-1.0	-1	-1	-1	-1	1
273384	-0.1	-1.0	-1	-1	-1	-1	5
273385	-0.1	-1.0	-1	-1	-1	-1	2
273386	-0.1	-1.0	-1	-1	-1	-1	-1
273387	-0.1	-1.0	-1	-1	-1	-1	-1
273388	-0.1	-1.0	-1	-1	-1	-1	2
273389	-0.1	-1.0	-1	5	-1	-1	-1
273390	-0.1	-1.0	-1	-1	-1	-1	1
273391	-0.1	-1.0	-1	-1	-1	-1	-1
273392	-0.1	-1.0	-1	-1	-1	-1	2
273393	-0.1	-1.0	-1	-1	-1	-1	-1
273394	-0.1	-1.0	-1	-1	-1	-1	-1
273396	-0.1	-1.0	-1	-1	-1	-1	-1
273397	-0.1	-1.0	-1	2	-1	-1	8
273398	-0.1	-1.0	-1	-1	-1	-1	1
273399	-0.1	-1.0	-1	-1	-1	-1	-1
273400	-0.1	-1.0	-1	-1	-1	-1	3
273401	-0.1	-1.0	-1	-1	-1	-1	4
273402	-0.1	-1.0	-1	-1	-1	1	8
273403	-0.1	-1.0	-1	3	-1	-1	-1
273404	-0.1	-1.0	-1	5	-1	-1	-1
273405	-0.1	-1.0	-1	5	-1	2	3
273406	-0.1	-1.0	-1	-1	-1	-1	3
273407	-0.1	-1.0	-1	-1	-1	-1	1
273408	-0.1	-1.0	-1	-1	-1	-1	1
273409	-0.1	-1.0	-1	-1	-1	-1	1
273410	-0.1	-1.0	-1	-1	-1	-1	2
273411	-0.1	-1.0	-1	-1	-1	-1	-1
273412	-0.1	-1.0	-1	7	-1	2	7
273413	-0.1	-1.0	-1	3	-1	1	10
273414	-0.1	-1.0	-1	3	-1	1	11
273415	-0.1	-1.0	-1	3	-1	-1	6
273416	-0.1	-1.0	-1	1	-1	-1	5
273417	-0.1	-1.0	-1	3	-1	3	9

Sample ID:	Au	S.Q.Hg	Tl	Pb	Bi	Th	U
273418	-0.1	-1.0	-1	7	-1	6	22
273419	-0.1	-1.0	-1	5	-1	-1	5
273420	-0.1	-1.0	-1	5	-1	1	19
273421	-0.1	-1.0	-1	5	-1	2	8
273422	-0.1	-1.0	-1	6	-1	2	10
273423	-0.1	-1.0	-1	3	-1	1	7
273424	-0.1	-1.0	-1	6	-1	1	8
273425	-0.1	-1.0	-1	7	-1	1	6
273426	-0.1	-1.0	-1	28	-1	9	51
273427	-0.1	-1.0	-1	1	-1	2	12
273428	-0.1	-1.0	-1	3	-1	1	4
273429	-0.1	-1.0	-1	5	-1	2	6
273430	-0.1	-1.0	-1	9	-1	3	6
273431	-0.1	-1.0	-1	1	-1	2	12
273432	-0.1	-1.0	-1	1	-1	4	16
273433	-0.1	-1.0	-1	2	-1	3	27
273434	-0.1	-1.0	-1	4	-1	4	19
273435	-0.1	-1.0	-1	2	-1	3	16
273436	-0.1	-1.0	-1	5	-1	7	54
273437	-0.1	-1.0	-1	2	-1	3	22
273438	-0.1	-1.0	-1	3	-1	4	18
273439	-0.1	-1.0	-1	-1	-1	3	18
273440	-0.1	-1.0	-1	-1	-1	6	41
273441	-0.1	-1.0	-1	2	-1	2	5
273442	-0.1	-1.0	-1	-1	-1	-1	5
273443	-0.1	-1.0	-1	-1	-1	2	78
273444	-0.1	-1.0	-1	-1	-1	2	122
273445	-0.1	-1.0	-1	2	-1	4	152
273446	-0.1	-1.0	-1	-1	-1	1	16
273447	-0.1	-1.0	-1	2	-1	1	4
273448	-0.1	-1.0	-1	2	-1	-1	2
273449	-0.1	-1.0	-1	-1	-1	-1	1
273450	-0.1	-1.0	-1	3	-1	-1	7
273451	-0.1	-1.0	-1	-1	-1	-1	4
273452	-0.1	-1.0	-1	1	-1	-1	4
273453	-0.1	-1.0	-1	-1	-1	-1	2
273454	-0.1	-1.0	-1	3	-1	-1	7
273456	-0.1	-1.0	-1	4	-1	3	5
273457	-0.1	-1.0	-1	27	-1	4	13
273458	-0.1	-1.0	-1	16	-1	2	11
273459	-0.1	-1.0	-1	6	-1	-1	6
273460	-0.1	-1.0	-1	6	-1	2	27
273461	-0.1	-1.0	-1	11	-1	3	12
273462	-0.1	-1.0	-1	4	-1	2	11
273463	-0.1	-1.0	-1	8	1	4	14
273464	-0.1	-1.0	-1	16	2	4	16
273465	-0.1	-1.0	-1	4	-1	2	12
273466	-0.1	-1.0	-1	12	-1	7	19
273467	-0.1	-1.0	-1	15	-1	9	15

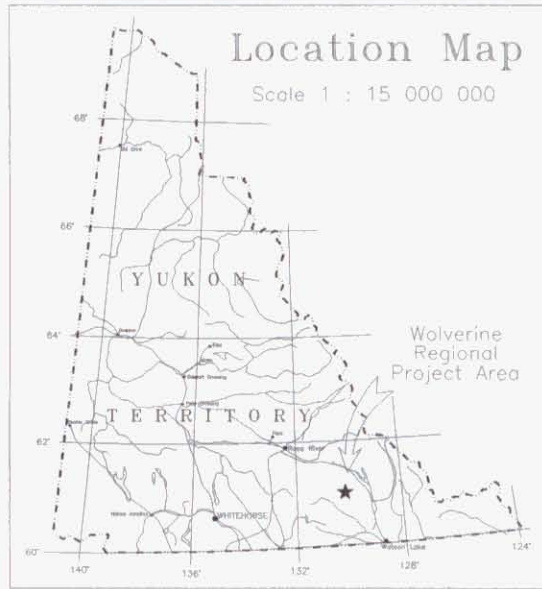
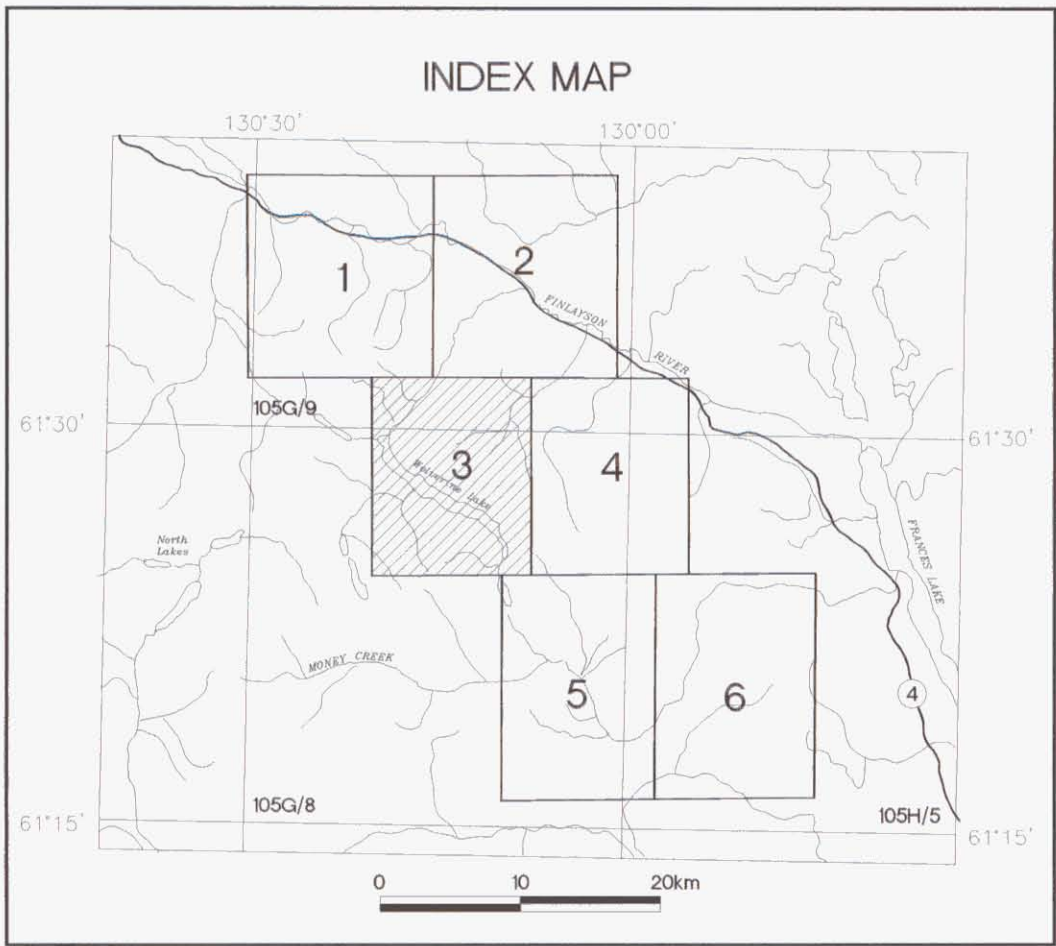
Sample ID:	Au	S.Q.Hg	Tl	Pb	Bi	Th	U
273468	-0.1	-1.0	-1	14	-1	8	38
273469	-0.1	-1.0	-1	16	-1	4	14
273481	-0.1	-1.0	-1	19	-1	5	40
273482	-0.1	-1.0	-1	13	-1	5	10
273483	-0.1	-1.0	-1	2	-1	3	10
273484	-0.1	-1.0	-1	15	1	10	19
273486	-0.1	-1.0	-1	16	1	11	46
273487	-0.1	-1.0	-1	12	-1	5	42
273489	-0.1	-1.0	-1	18	1	6	51
273490	-0.1	-1.0	-1	3	-1	1	8
273491	-0.1	-1.0	-1	3	-1	-1	6
273492	-0.1	-1.0	-1	10	-1	2	9
273493	-0.1	-1.0	-1	6	-1	-1	9
273494	-0.1	-1.0	-1	5	-1	1	9
273495	-0.1	-1.0	-1	3	-1	-1	4
273496	-0.1	-1.0	-1	4	-1	1	6
273497	-0.1	-1.0	-1	6	-1	5	17
273498	-0.1	-1.0	-1	3	-1	1	7
273499	-0.1	-1.0	-1	3	-1	-1	7
273500	-0.1	-1.0	-1	-1	-1	-1	-1
173701	-0.1	-1.0	-1	-1	-1	-1	1
173702	-0.1	-1.0	-1	-1	-1	-1	-1
173703	-0.1	-1.0	-1	-1	-1	-1	-1
173704	-0.1	-1.0	-1	-1	-1	1	-1
173705	-0.1	-1.0	-1	-1	-1	-1	2
173706	-0.1	-1.0	-1	-1	-1	-1	-1
173707	-0.1	-1.0	-1	-1	-1	-1	1
173708	-0.1	-1.0	-1	-1	-1	-1	-1
173709	-0.1	-1.0	-1	-1	-1	-1	1
173710	-0.1	-1.0	-1	-1	-1	1	-1
173711	-0.1	-1.0	-1	-1	-1	1	2
173712	-0.1	-1.0	-1	-1	-1	-1	-1
173713	-0.1	-1.0	-1	-1	-1	-1	-1
173714	-0.1	-1.0	-1	-1	-1	-1	2
173715	-0.1	-1.0	-1	-1	-1	-1	7
173716	-0.1	-1.0	-1	-1	-1	-1	-1
173717	-0.1	-1.0	-1	-1	-1	-1	-1
173718	-0.1	-1.0	-1	-1	-1	-1	-1
173719	-0.1	-1.0	-1	-1	-1	-1	1
173720	-0.1	-1.0	-1	-1	-1	-1	-1
173721	-0.1	-1.0	-1	-1	-1	-1	-1
173722	-0.1	-1.0	-1	1	-1	1	2
173723	-0.1	-1.0	-1	12	-1	3	4
173724	-0.1	-1.0	-1	16	1	4	12
173725	-0.1	-1.0	-1	-1	-1	2	-1
173726	-0.1	-1.0	-1	-1	-1	1	1
173727	-0.1	-1.0	-1	-1	-1	-1	-1
173728	-0.1	-1.0	-1	9	-1	1	4
173729	-0.1	-1.0	-1	-1	-1	-1	1

Sample ID:	Au	S.Q.Hg	Tl	Pb	Bi	Th	U
173730	-0.1	-1.0	-1	2	-1	-1	2
173731	-0.1	-1.0	-1	3	-1	1	-1
173732	-0.1	-1.0	-1	3	-1	1	1
173733	-0.1	-1.0	-1	1	-1	-1	2
173734	-0.1	-1.0	-1	1	-1	2	-1
173735	-0.1	-1.0	-1	-1	-1	1	3
173736	-0.1	-1.0	-1	-1	-1	-1	1
173737	-0.1	-1.0	-1	2	-1	-1	-1
173738	-0.1	-1.0	-1	-1	-1	-1	-1
173739	-0.1	-1.0	-1	-1	-1	-1	-1
173740	-0.1	-1.0	-1	-1	-1	-1	-1
173741	-0.1	-1.0	-1	-1	-1	-1	-1
173742	-0.1	-1.0	-1	-1	-1	-1	-1
173743	-0.1	-1.0	-1	-1	-1	-1	-1
173744	-0.1	-1.0	-1	3	-1	2	3
173745	-0.1	-1.0	-1	-1	-1	1	2
173746	-0.1	-1.0	-1	3	-1	3	9
173747	-0.1	-1.0	-1	4	-1	2	8
173748	-0.1	-1.0	-1	1	-1	2	4
173749	-0.1	-1.0	-1	2	-1	1	4
173750	-0.1	-1.0	-1	1	-1	-1	1
173751	-0.1	-1.0	-1	4	-1	2	2
173752	-0.1	-1.0	-1	4	-1	2	4
173753	-0.1	-1.0	-1	2	-1	1	1
173754	-0.1	-1.0	-1	4	-1	2	4
173755	-0.1	-1.0	-1	1	-1	-1	-1
173756	-0.1	-1.0	-1	-1	-1	-1	-1
173757	-0.1	-1.0	-1	-1	-1	-1	-1
173758	-0.1	-1.0	-1	4	-1	2	2
173759	-0.1	-1.0	-1	6	-1	1	-1
173760	-0.1	-1.0	-1	5	-1	2	12
173761	-0.1	-1.0	-1	2	-1	-1	2
173762	-0.1	-1.0	-1	3	-1	-1	3
173763	-0.1	-1.0	-1	2	-1	-1	1
173764	-0.1	-1.0	-1	1	-1	-1	1
173765	-0.1	-1.0	-1	4	-1	-1	1
173766	-0.1	-1.0	-1	3	-1	1	2
173767	-0.1	-1.0	-1	3	-1	-1	1
173768	-0.1	-1.0	-1	3	-1	-1	-1
173769	-0.1	-1.0	-1	-1	-1	-1	-1
173770	-0.1	-1.0	-1	2	-1	1	1
173771	-0.1	-1.0	-1	-1	-1	-1	2
173772	-0.1	-1.0	-1	-1	-1	-1	3
173773	-0.1	-1.0	-1	1	-1	-1	8
173774	-0.1	-1.0	-1	-1	-1	-1	20
173776	-0.1	-1.0	-1	-1	-1	-1	3
173777	-0.1	-1.0	-1	2	-1	-1	1
173778	-0.1	-1.0	-1	4	-1	1	2
173779	-0.1	-1.0	-1	4	-1	2	2

Sample ID:	Au	S.Q.Hg	Tl	Pb	Bi	Th	U
173780	-0.1	-1.0	-1	2	-1	-1	-1
173781	-0.1	-1.0	-1	-1	-1	-1	2
173782	-0.1	-1.0	-1	3	-1	-1	2
173783	-0.1	-1.0	-1	2	-1	-1	-1
173784	-0.1	-1.0	-1	-1	-1	-1	-1
173785	-0.1	-1.0	-1	-1	-1	1	2
173786	-0.1	-1.0	-1	5	-1	2	3
173787	-0.1	-1.0	-1	10	-1	-1	-1
173788	-0.1	-1.0	-1	8	-1	2	5
173789	-0.1	-1.0	-1	2	-1	1	1
173790	-0.1	-1.0	-1	5	-1	2	-1
173791	-0.1	-1.0	-1	3	-1	1	-1
173792	-0.1	-1.0	-1	1	-1	-1	2
173793	-0.1	-1.0	-1	5	-1	1	4
173794	-0.1	-1.0	-1	7	-1	2	2
173795	-0.1	-1.0	-1	13	-1	2	1
173796	-0.1	-1.0	-1	2	-1	-1	3
173797	-0.1	-1.0	-1	3	-1	1	-1
173798	-0.1	-1.0	-1	82	-1	1	3
173799	-0.1	-1.0	-1	13	-1	1	2
173800	-0.1	-1.0	-1	11	-1	2	4
173801	-0.1	-1.0	-1	5	-1	2	2
173802	-0.1	-1.0	-1	3	-1	-1	2
173803	-0.1	-1.0	-1	-1	-1	1	3
173804	-0.1	-1.0	-1	2	-1	-1	2
173805	-0.1	-1.0	-1	1	-1	-1	1
173806	-0.1	-1.0	-1	3	-1	-1	2
173807	-0.1	-1.0	-1	-1	-1	-1	2
173808	-0.1	-1.0	-1	3	-1	-1	-1
173809	-0.1	-1.0	-1	21	-1	4	3
173810	-0.1	-1.0	-1	7	-1	1	-1
173811	-0.1	-1.0	-1	5	-1	1	3
173812	-0.1	-1.0	-1	6	-1	1	3
173813	-0.1	-1.0	-1	2	-1	-1	1
173815	-0.1	-1.0	-1	-1	-1	-1	1
173816	-0.1	-1.0	-1	17	-1	3	1
173817	-0.1	-1.0	-1	6	-1	1	-1
173818	-0.1	-1.0	-1	5	-1	-1	-1
173819	-0.1	-1.0	-1	3	-1	4	12
173820	-0.1	-1.0	-1	2	-1	2	6
173821	-0.1	-1.0	-1	3	-1	2	3
173825	-0.1	-1.0	-1	2	-1	2	10
173826	-0.1	-1.0	-1	7	-1	-1	4
173827	-0.1	-1.0	-1	2	-1	1	7
173828	-0.1	-1.0	-1	-1	-1	-1	2
173829	-0.1	-1.0	-1	7	-1	-1	3
173830	-0.1	-1.0	-1	4	-1	1	9
173831	-0.1	-1.0	-1	6	-1	1	4
173832	-0.1	-1.0	-1	7	-1	1	5

Sample ID:	Au	S.Q.Hg	Tl	Pb	Bi	Th	U
173833	-0.1	-1.0	-1	3	-1	-1	-1
173834	-0.1	-1.0	-1	10	1	3	6
173835	-0.1	-1.0	-1	29	1	6	11
173836	-0.1	-1.0	-1	6	-1	3	6
173837	-0.1	-1.0	-1	2	-1	1	4
173839	-0.1	-1.0	1	2	-1	1	2

APPENDIX G
OVERSIZE FIGURES



LEGEND

- Symbols
- Lake
 - Creek
 - 1200 Topographic Contours (100m intervals)
 - 0714029 Soil Sample



Westmin Resources Limited
ATNA Resources Ltd.

Work By
D. Terry
Date Drafted
Nov. 29, 1996
Drafted By
J.M. Klein
Date Revised
Jan. 23, 1997
Revised By
A. Turner

Wolverine Regional Project

Soil Sample Location Map

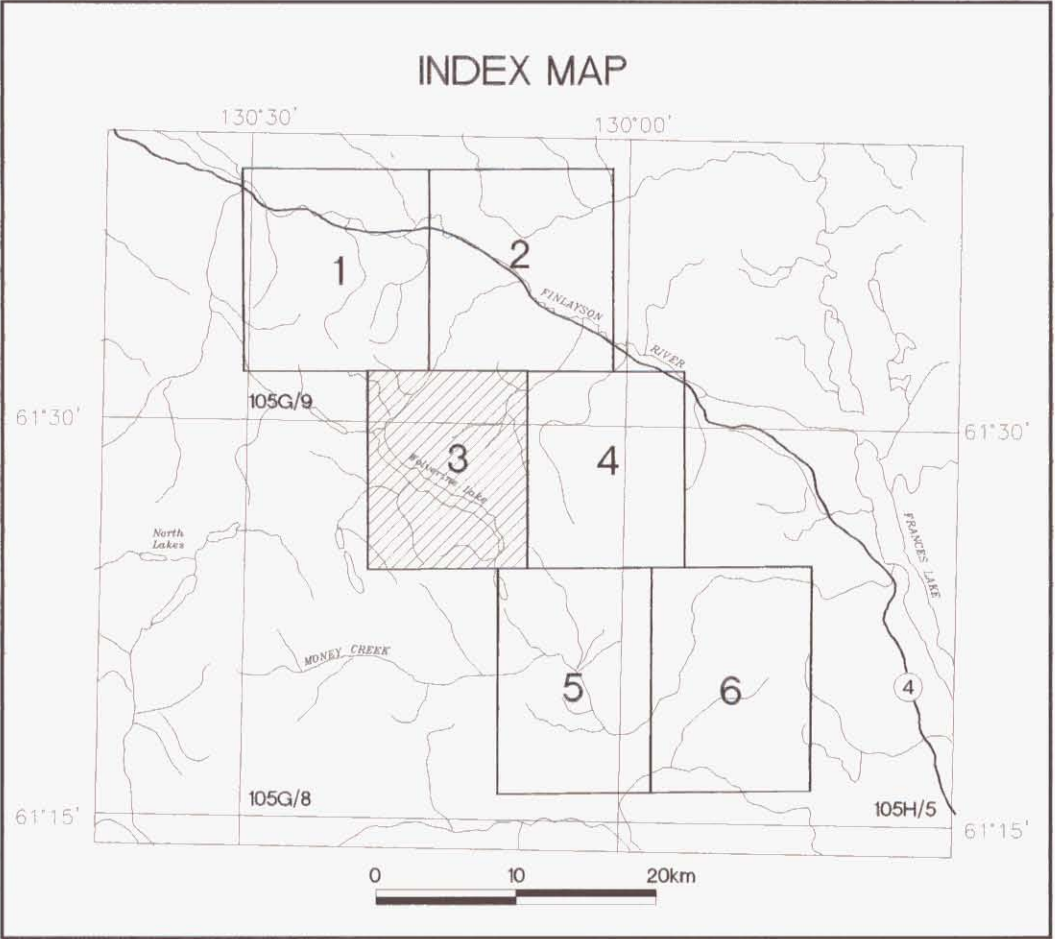
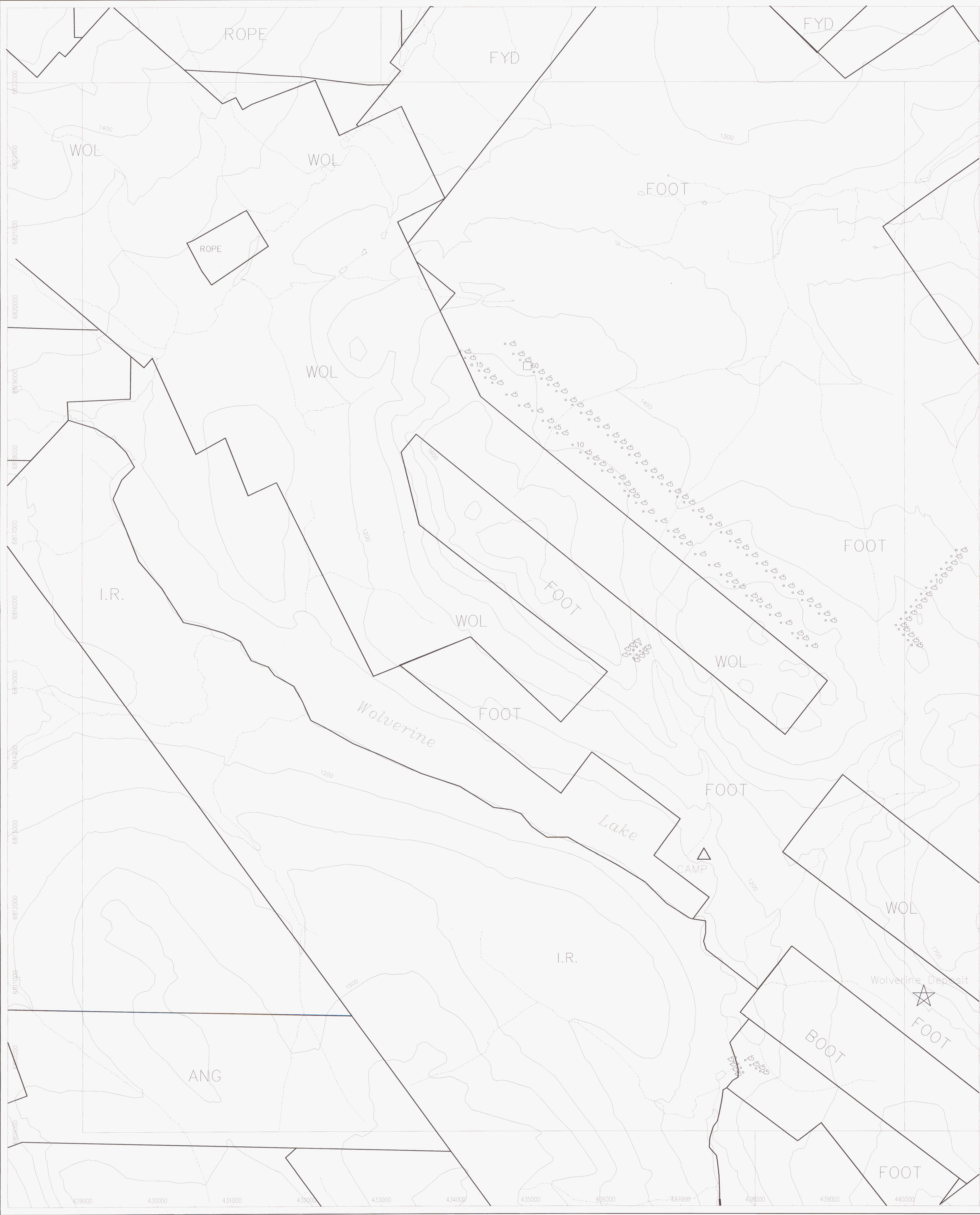
Sheet 3

N.T.S. Number
105 07/8 & 9
File Name
SHEET_3.dwg



Figure
7.11

093 78 11
DIAND - YUKON REGION LIBRARY



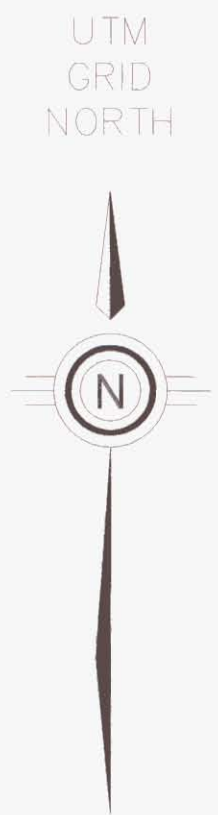
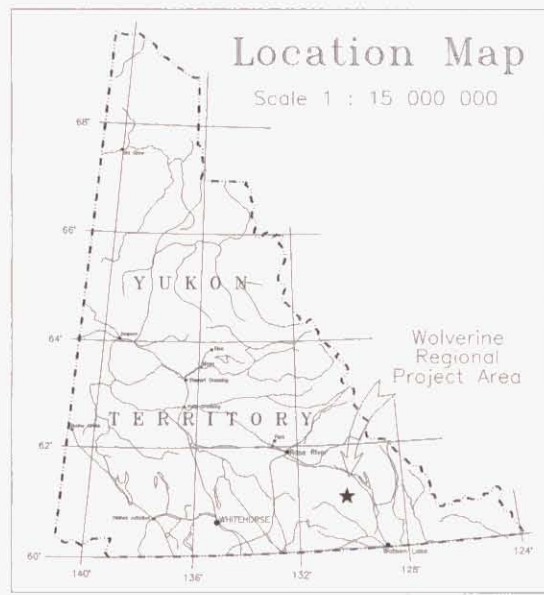
Geochemical Legend

Au in Soil (in ppb)

MAX □ 60

MIN • <5

note: Statistics based upon the entire Wolverine regional geochemical database



LEGEND

Symbols

○ Lake

— Creek

--- 1200 Topographic Contours (100m intervals)



Westmin Resources Limited
ATNA Resources Ltd.

Work By
D. Terry

Date Drafted
Nov. 29, 1996

Drafted By
J.M. Klein

Date Revised
Jan. 23, 1997

Revised By
A. Turner

N.T.S. Number
105 G/8 & 9

File Name
SHEET_3.dwg

Wolverine Regional Project

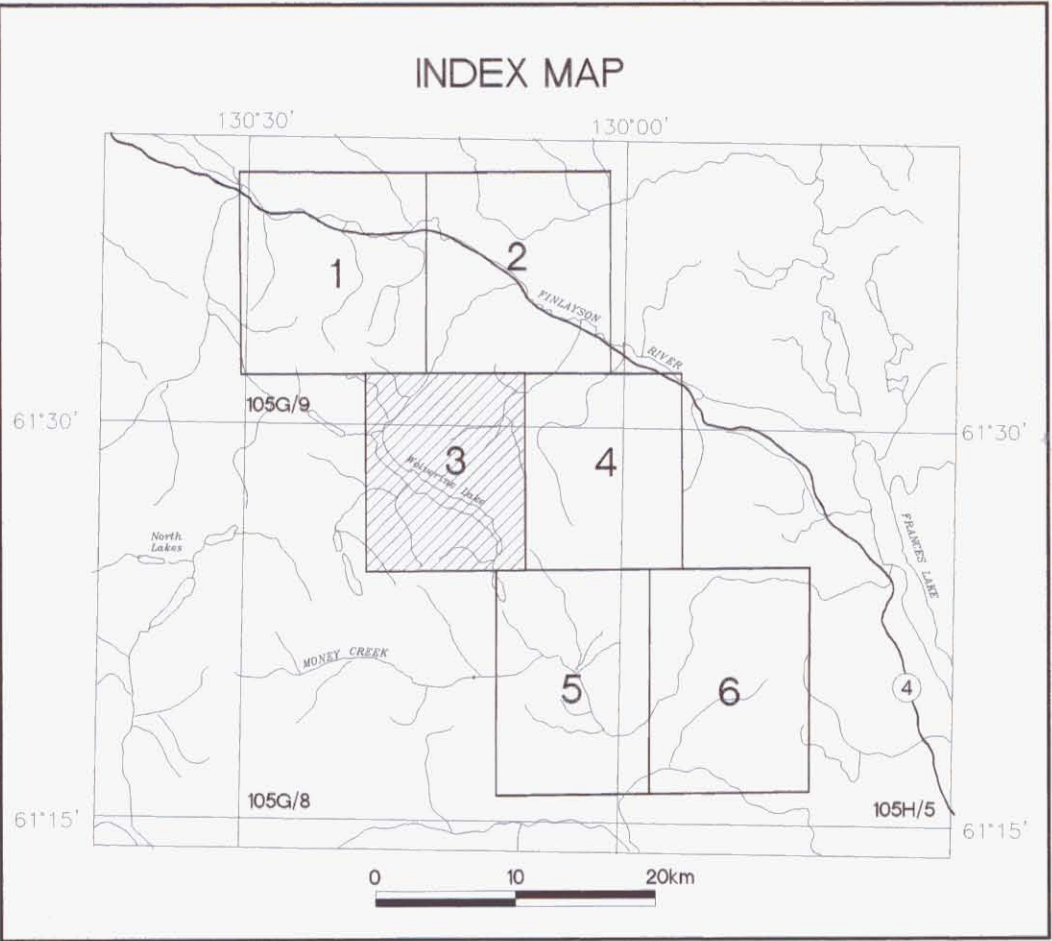
Au in Soil (in ppb)

Sheet 3



7.12

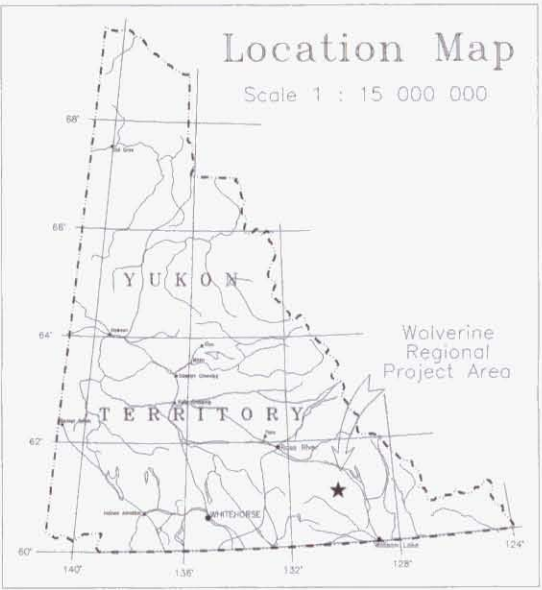
093781
DIAND - YUKON REGION, LIBRARY



Geochemical Legend

Ag in Soil (in ppm)
MAX □ 2
MIN <0.2

note: Statistics based upon the entire Wolverine regional geochemical database



UTM
GRID
NORTH



LEGEND

Symbols
Lake
Creek
1200 Topographic Contours (100m intervals)



Westmin Resources Limited
ATNA Resources Ltd.

Work By
D. Tarry
Date Drafted
Nov. 29, 1996
Drafted By
J.M. Klein
Date Revised
Jan. 23, 1997
Revised By
A. Turner
N.T.S. Number
105 G/8 & 9
File Name
SHEET_3.dwg

Wolverine Regional Project

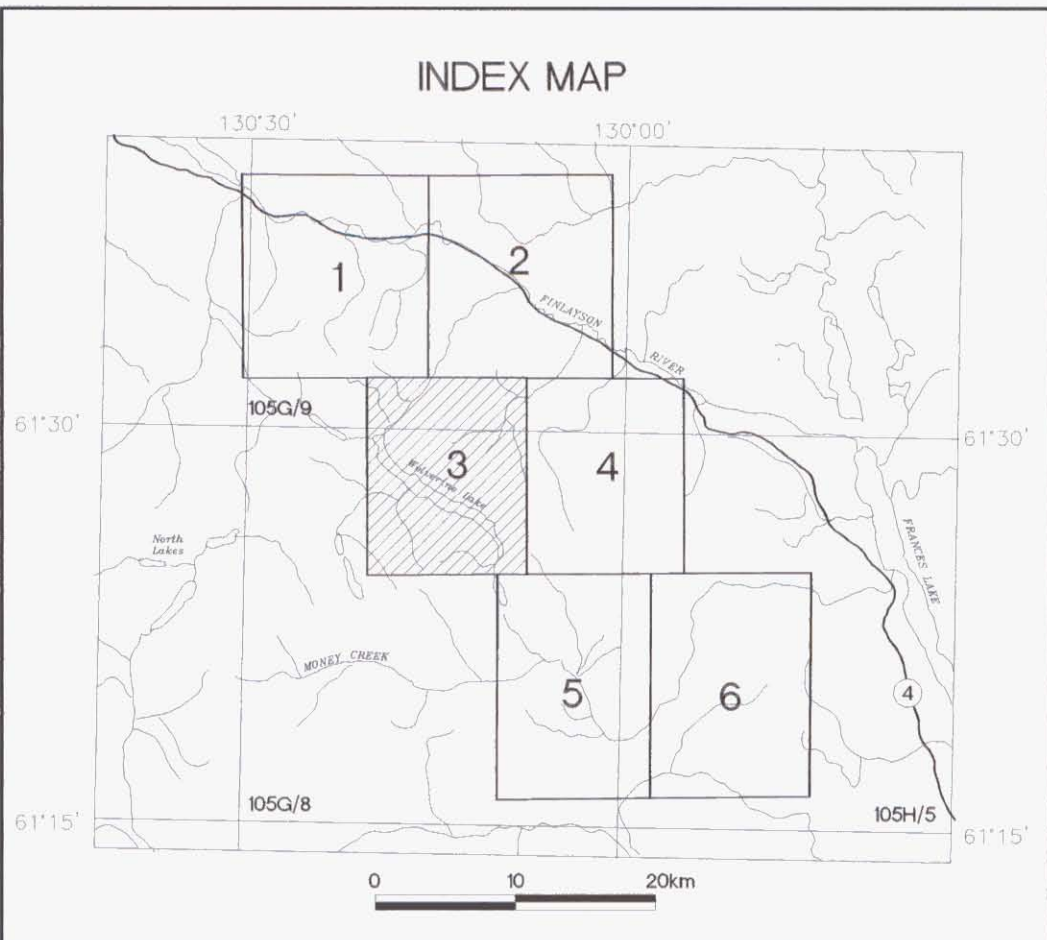
Ag in Soil (in ppm)

Sheet 3



Figure
7.13

093781
DIAND • YUKON REGION, LIBRARY



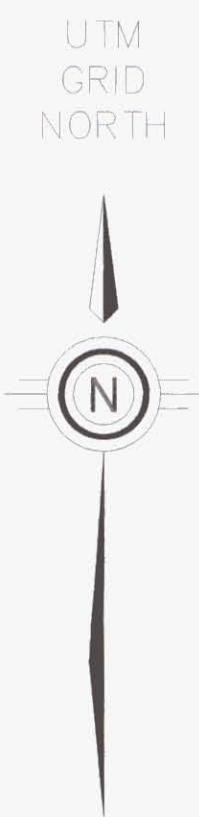
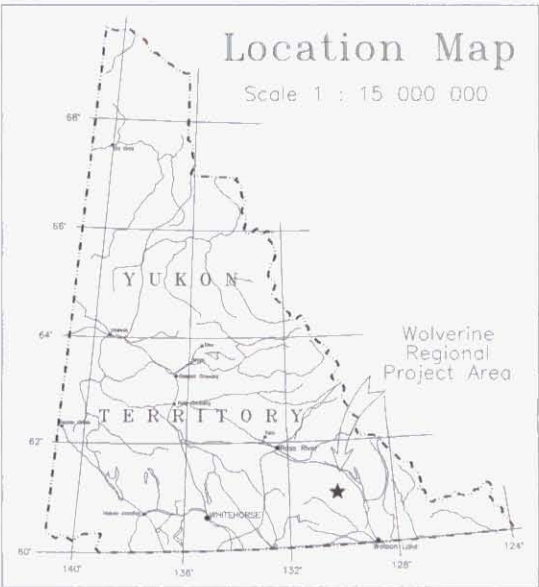
Geochemical Legend

Cu in Soil (in ppm)

MAX □ 182

MIN • 12

note: Statistics based upon the entire Wolverine regional geochemical database



LEGEND

Symbols

○ Lake

--- Creek

1200 Topographic Contours (100m intervals)

093, 81
DIAND - YUKON REGION, LIBRARY



Westmin Resources Limited
ATNA Resources Ltd.

Wolverine Regional Project

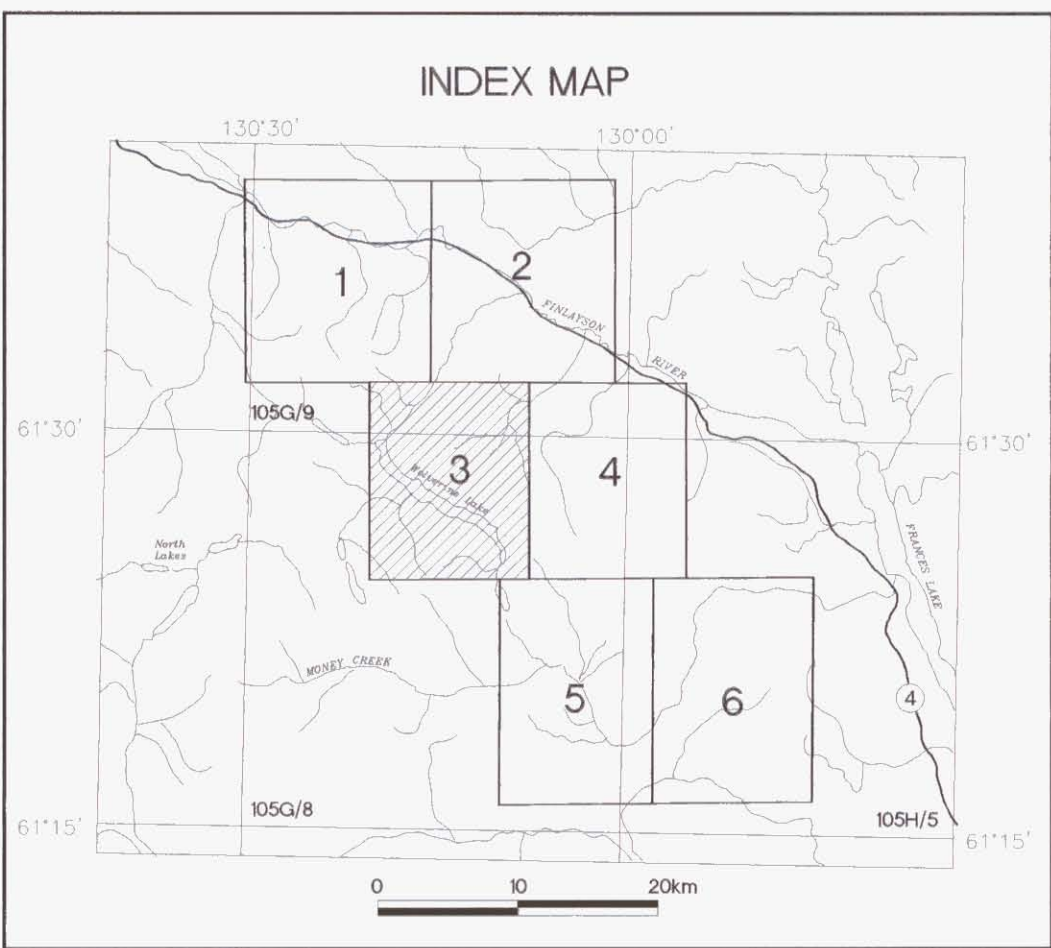
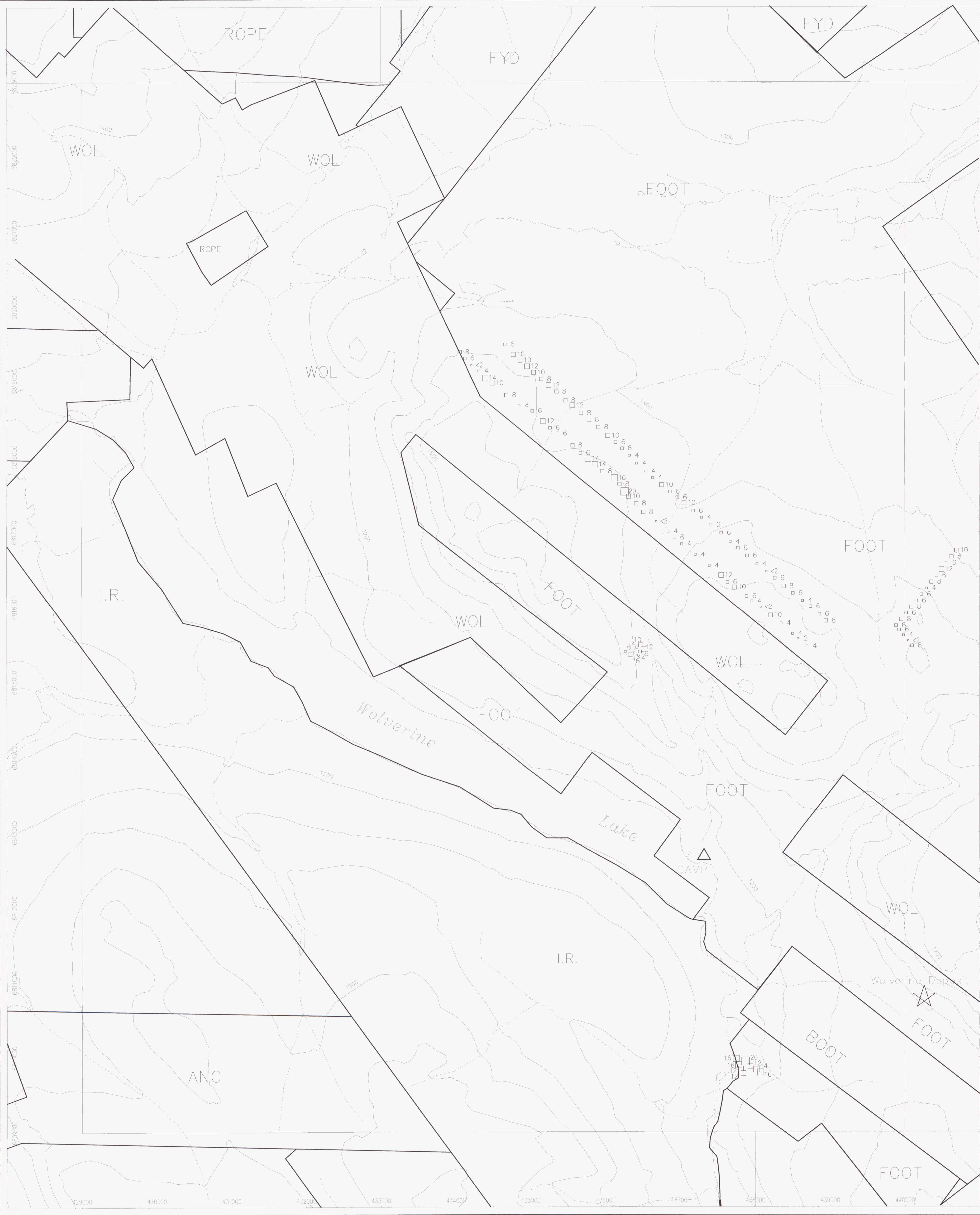
Cu in Soil (in ppm)

Sheet 3

Work By
O. Terry
Date Drafted
Nov. 29, 1996
Drafted By
J.M. Klein
Date Revised
Jan. 23, 1997
Revised By
A. Turner
N.T.S. Number
105-6/8 & 9
File Name
SHEET_3.dwg



Figure
7.14

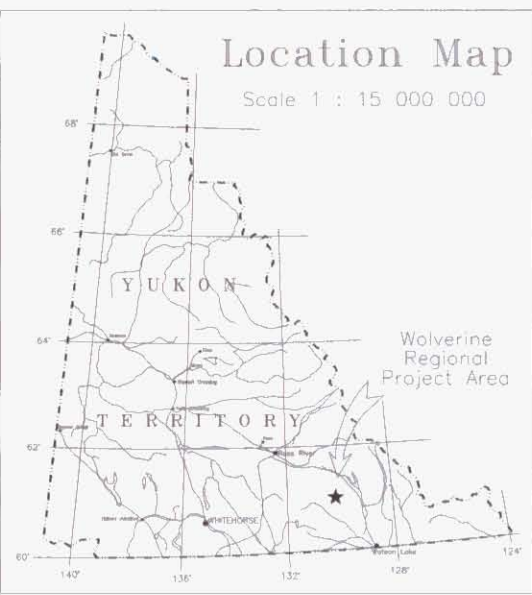


Geochemical Legend

Pb in Soil (in ppm)

MAX	□	20
MIN	◻	<2

note: Statistics based upon the entire Wolverine regional geochemical database



LEGEND

Symbols

- Lake
- - - Creek
- 1200 Topographic Contours (100m intervals)



Westmin Resources Limited
ATNA Resources Ltd.

Wolverine Regional Project

Pb in Soil (in ppm)

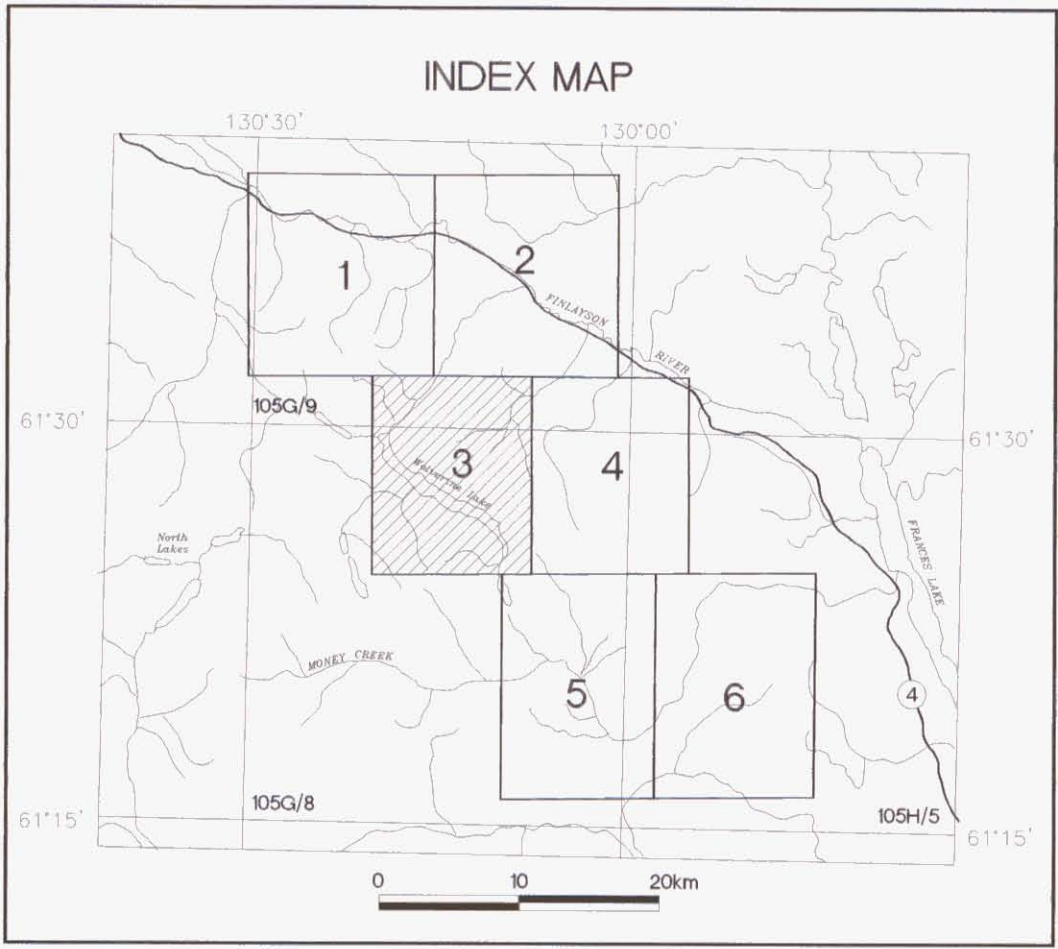
Sheet 3

N.T.S. Number
105 G/8 & 9
File Name
SHEET_3.dwg



Figure
7.15

093 781
DIAND • YUKON REGION, LIBRARY



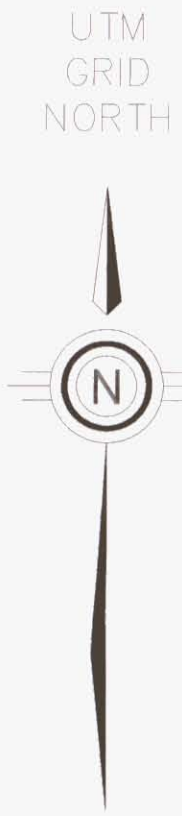
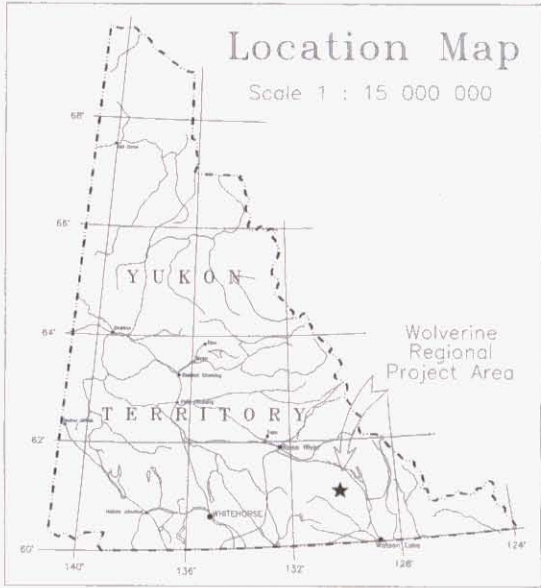
Geochemical Legend

Ba in Soil (in ppm)

MAX □ 3480

MIN ◻ 440

note: Statistics based upon the entire Wolverine regional geochemical database



LEGEND

Symbols

○ Lake

--- 1200 Topographic Contours (100m intervals)



Westmin Resources Limited
ATNA Resources Ltd.

Work By
D. Terry
Date Drafted
Nov. 29, 1998
Drafted By
J.M. Klein
Date Revised
Jan. 23, 1997
Revised By
A. Turner
N.T.S. Number
105-10/8 & 9
File Name
SHEET_3.dwg

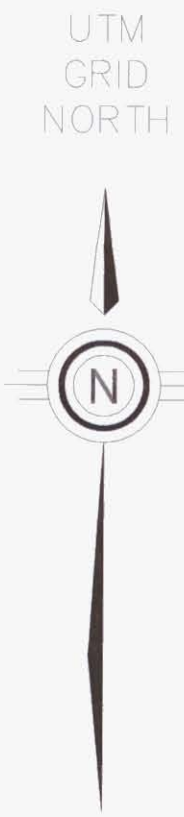
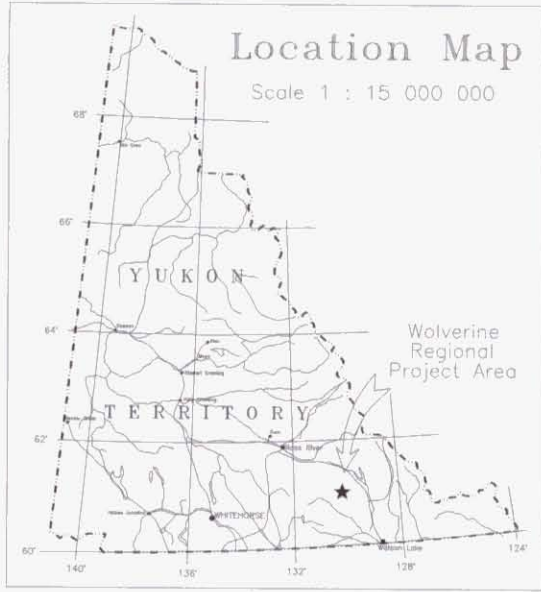
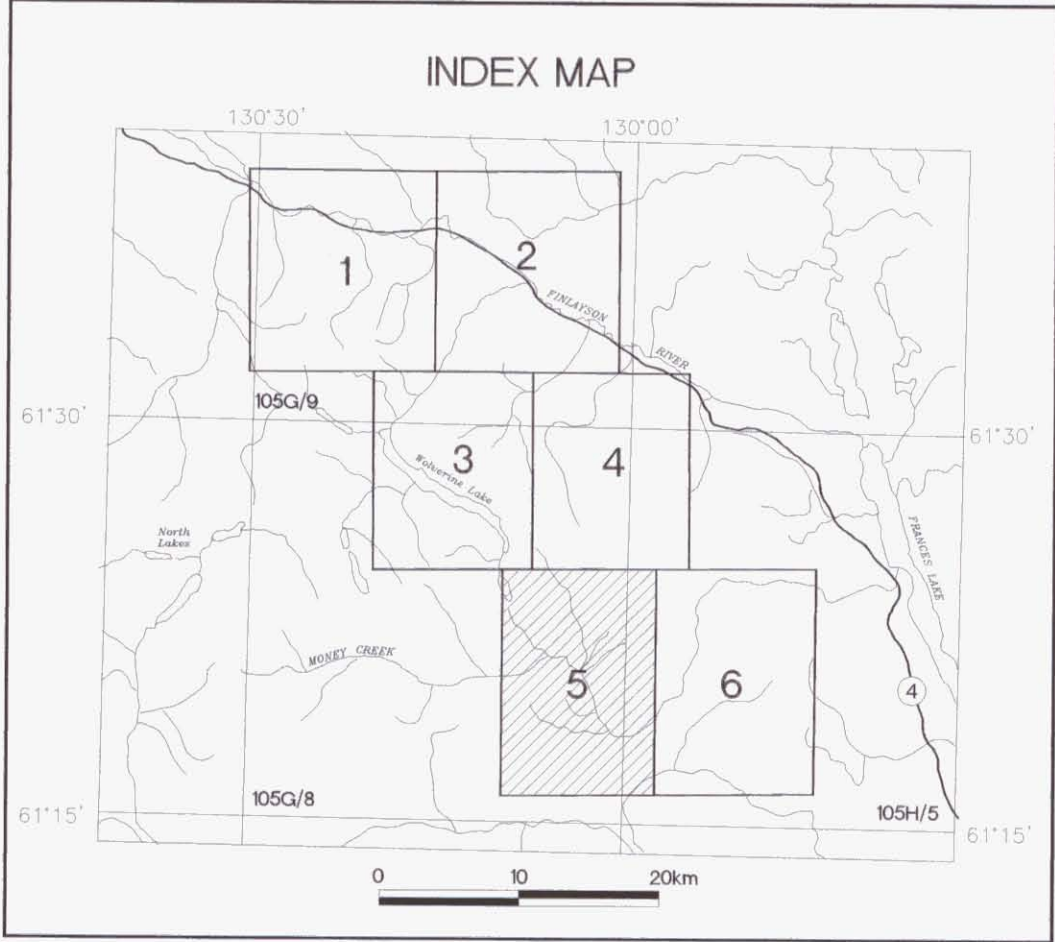
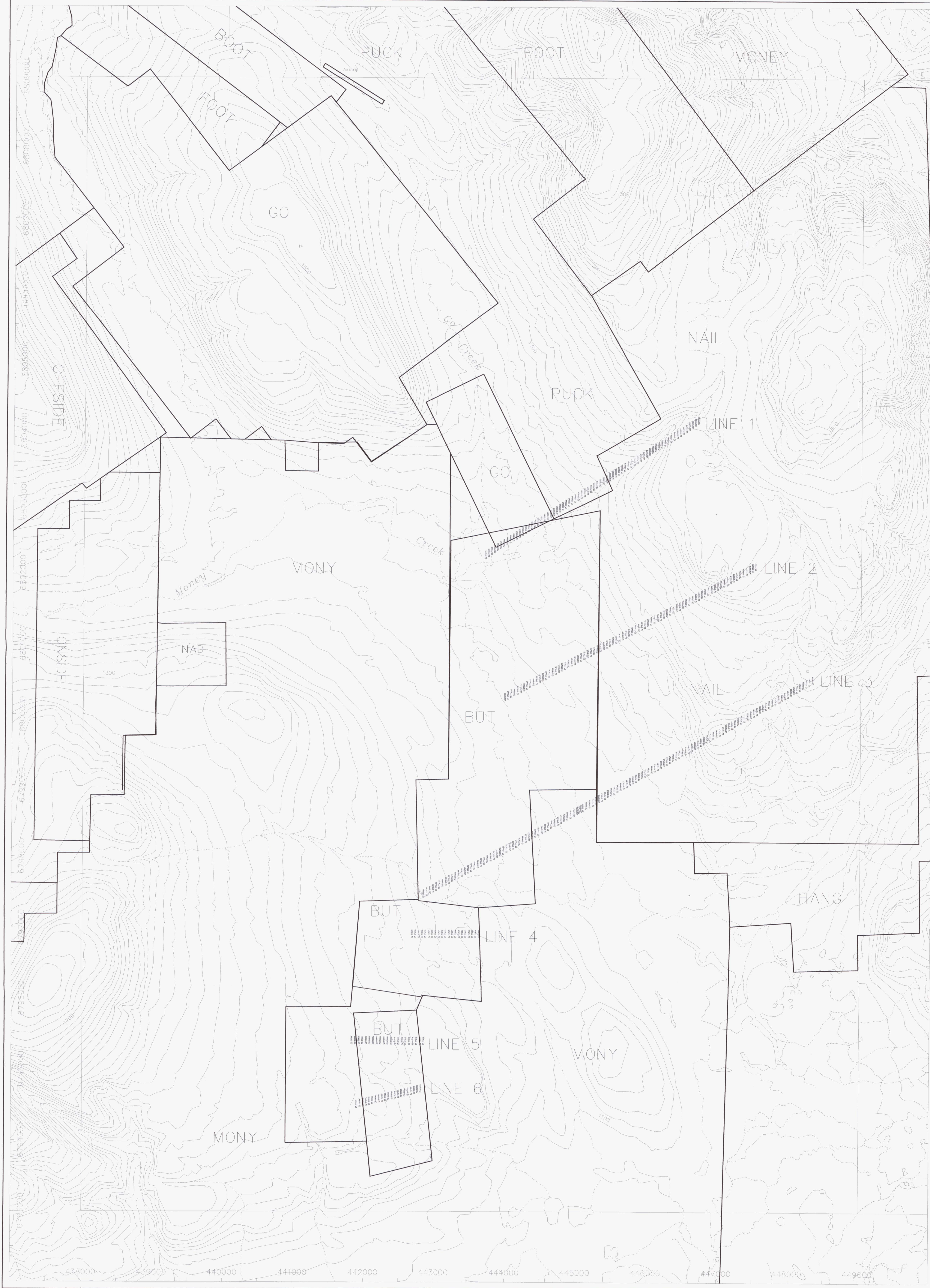
Wolverine Regional Project

Ba in Soil (in ppm)

Sheet 3



Figure
7.17



LEGEND

- Symbols
- Lake
 - Creek
 - Topographic Contours (100m intervals)
 - Salt Sample

093781
DIAND - YUKON REGION, LIBRARY



Westmin Resources Limited
ATNA Resources Ltd.

Wolverine Regional Project

Sample Location Map

Sheet 5

Work By
D. Terry
Date Drafted
Nov. 29, 1996
Drafted By
J.M. Klein
Date Revised
Jan. 23, 1997
Revised By
A. Turner
N.T.S. Number
05 0/8 & H/2
File Name
SHEET_5.dwg



Figure
7.21

FIGURE 7.2.2 - LINE 1 - ENZYME LEACH DATA

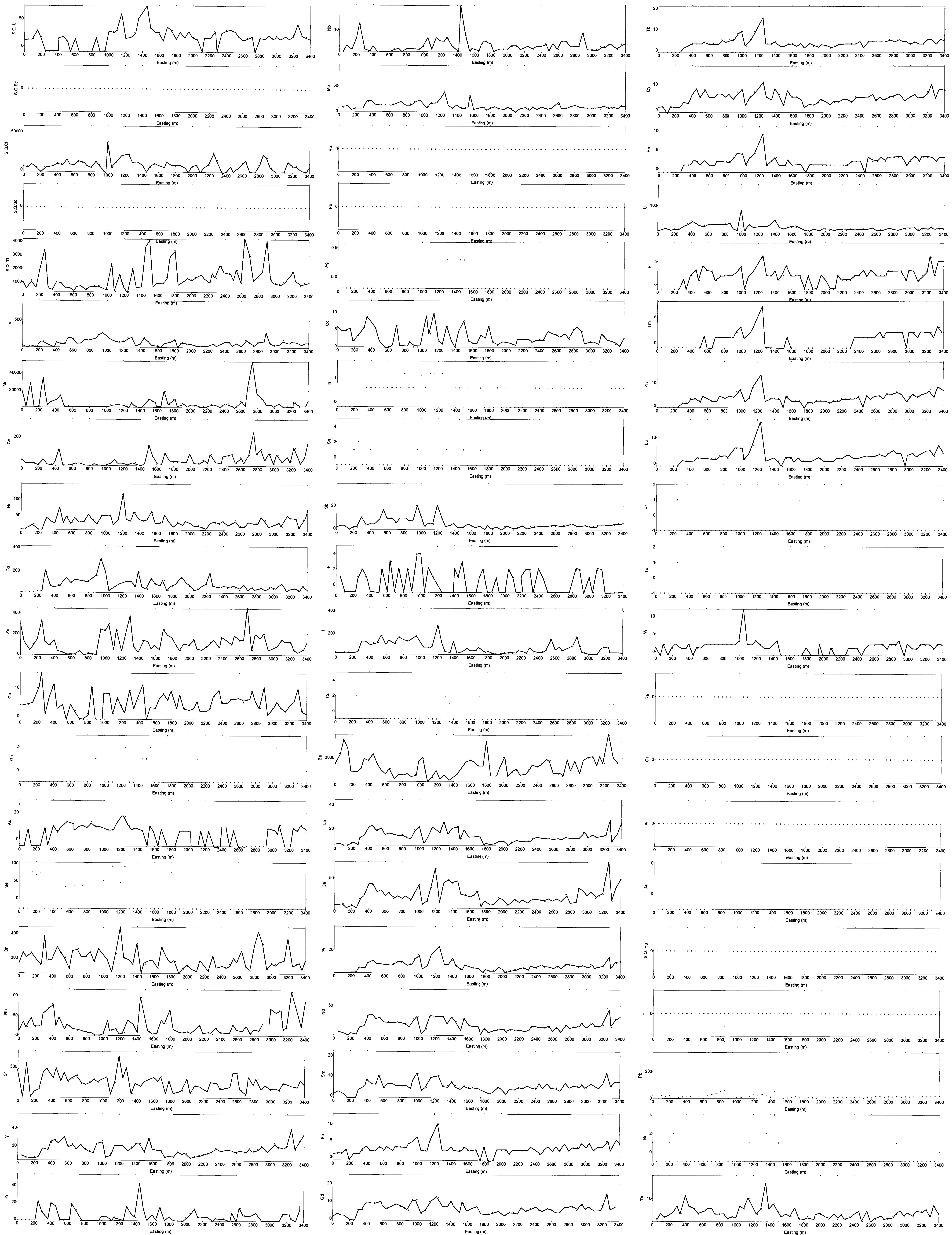


FIGURE 7.2.3 - LINE 2 - ENZYME LEACH DATA

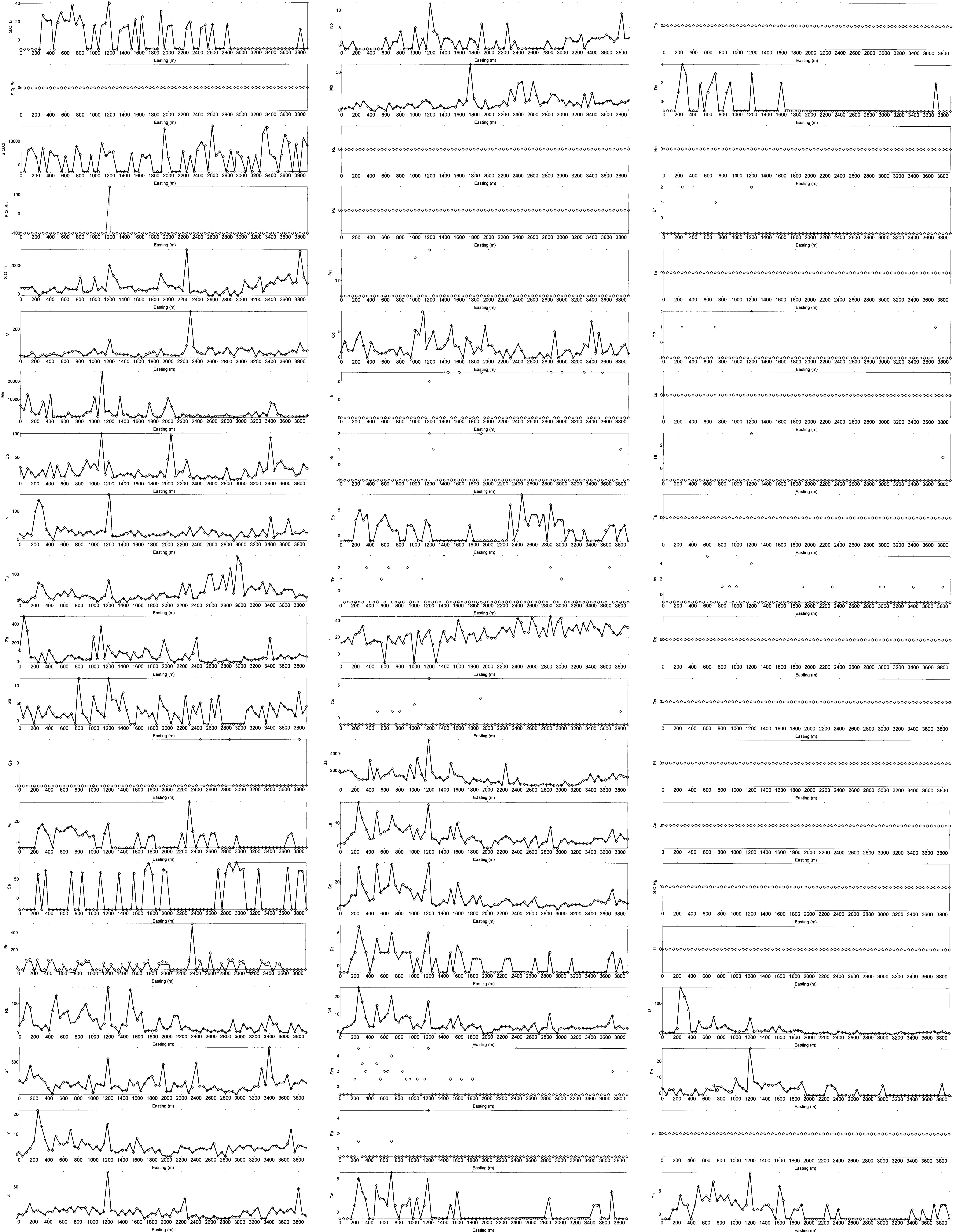


FIGURE 7.2.4 - LINE 3 ENZYME LEACH DATA

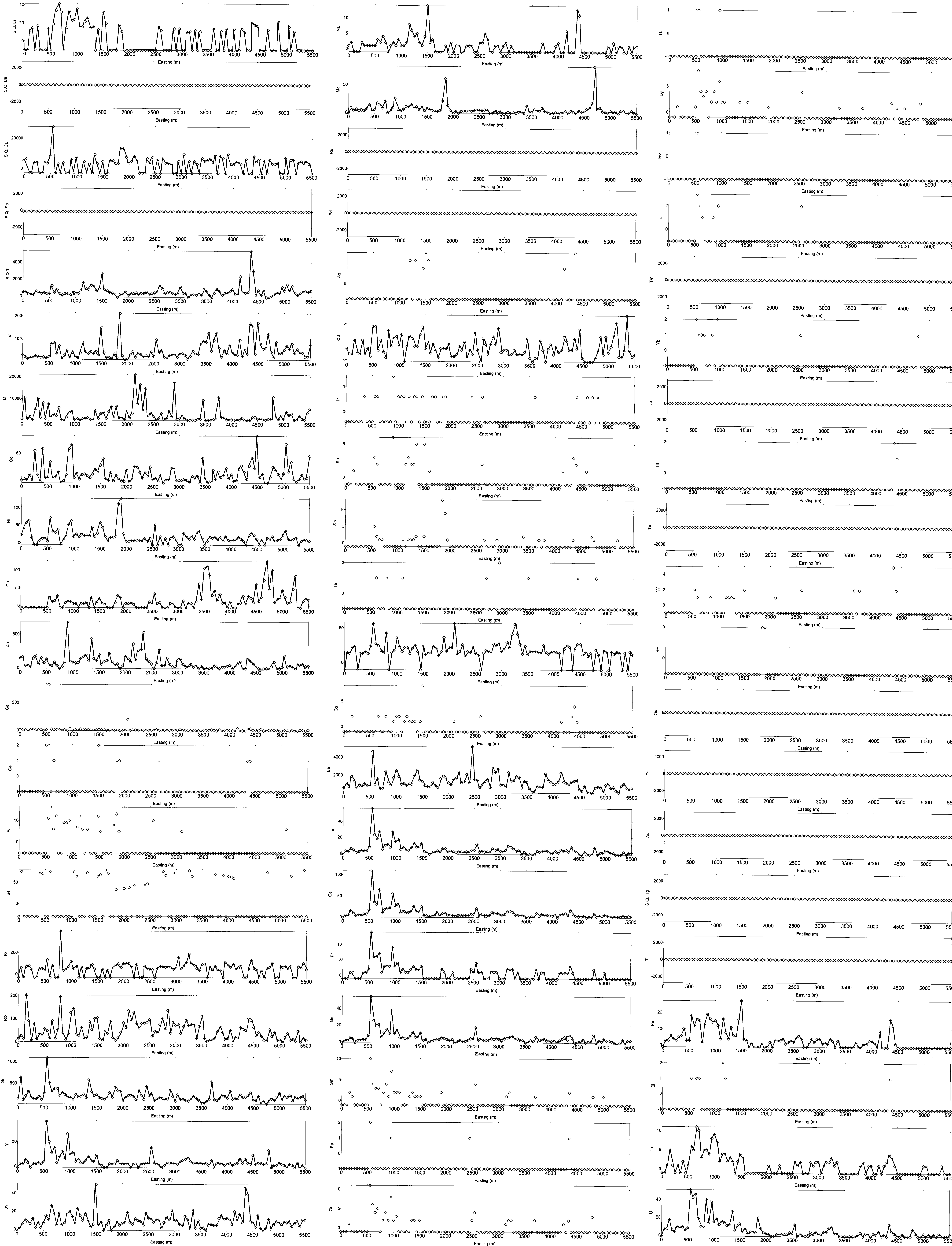


FIGURE 7.2.5 - LINE 4ENZYME LEACH DATA

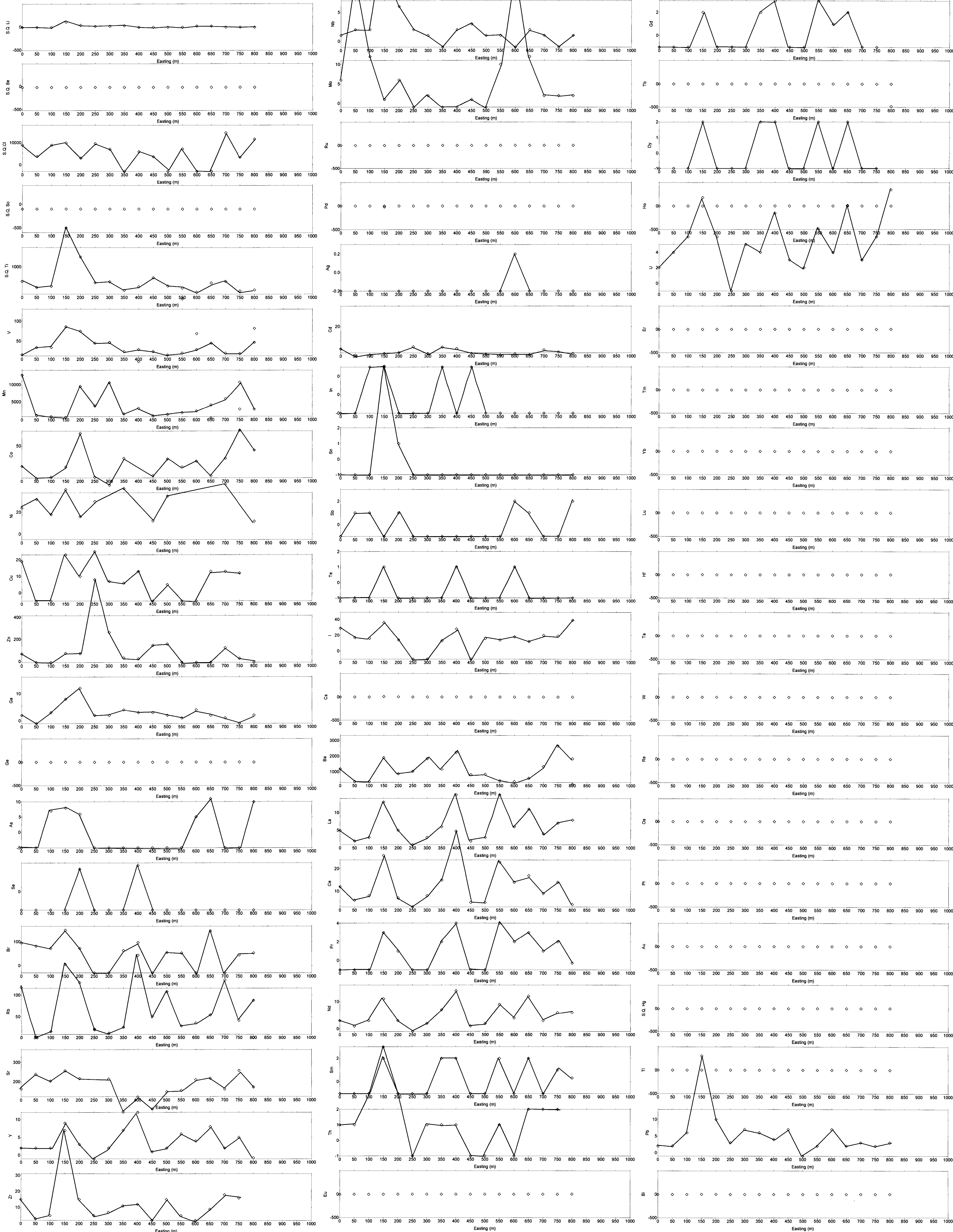


FIGURE 7.2.6 - LINE 5 ENZYME LEACH DATA

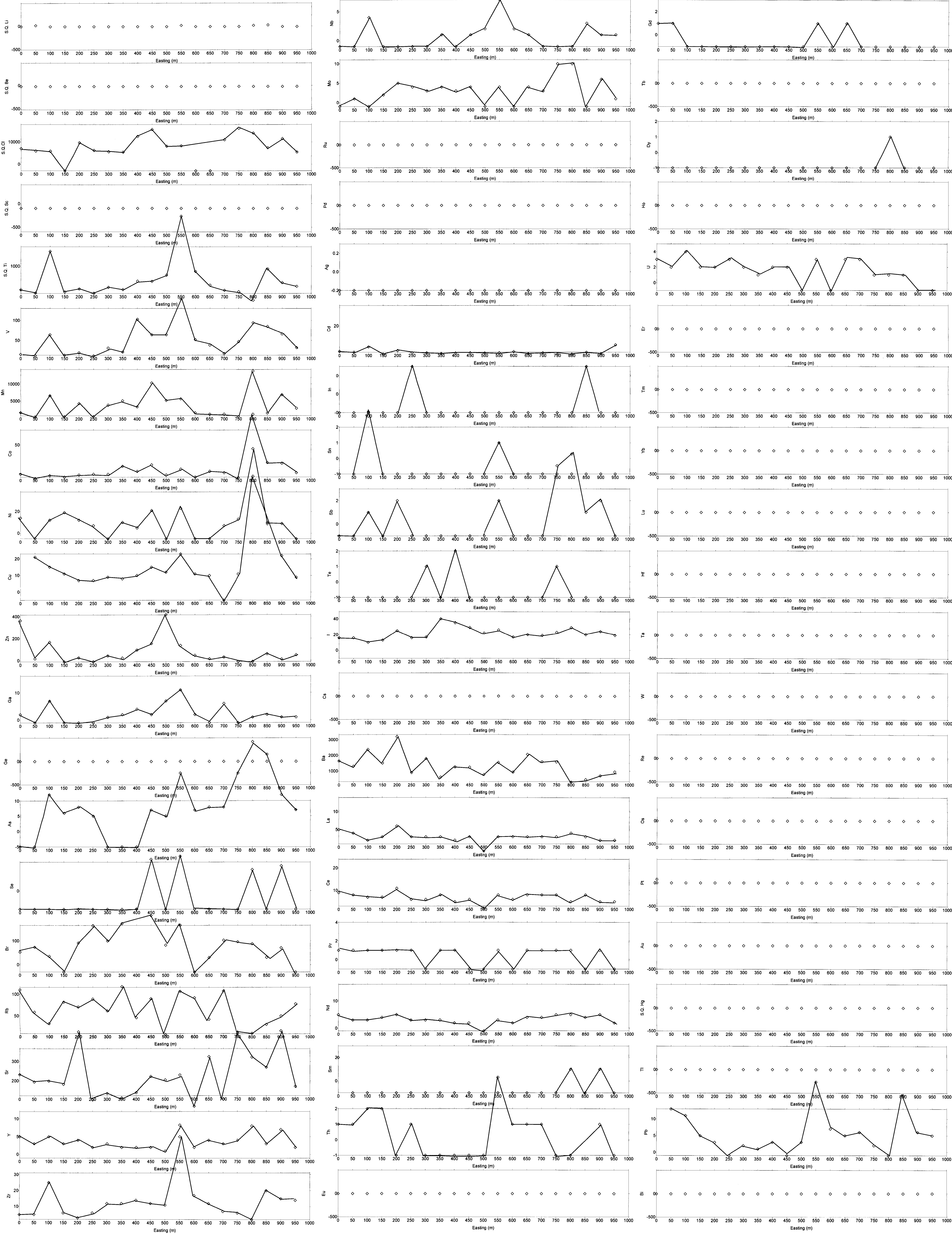
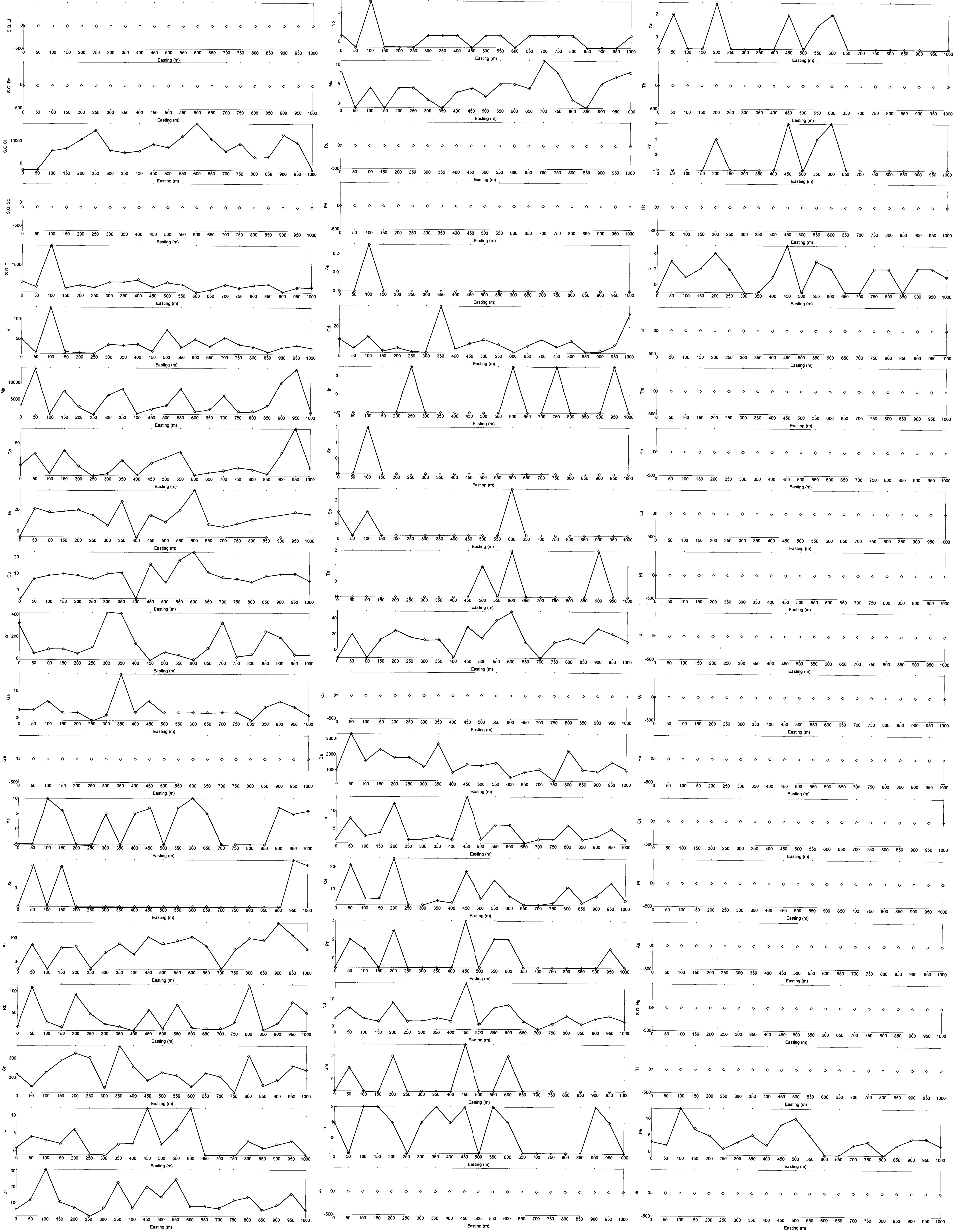


FIGURE 7.7.7 - LINE 6 ENZYME LEACH DATA



LATITUDE 61°30' To 61°45'
LONGITUDE 130°00' To 130°30'

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
NORTHERN ADMINISTRATION AND LANDS BRANCH
LANDS DIVISION

SCALE: 1/2 MILE To 1 INCH

ISSUED UNDER THE AUTHORITY OF THE MINISTER
OF
NORTHERN AFFAIRS AND NATIONAL RESOURCES

[IG] Indian Grave Site

Note: Entry on certain lands is withdrawn from staking in cross-hatched areas to facilitate the settlement of Native Land Claims without prejudice to Existing Surface and Subsurface Rights.

NOTICE

THIS MAP IS ISSUED AS A PRELIMINARY GUIDE FOR WHICH THE DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT WILL ACCEPT NO RESPONSIBILITY FOR ANY ERRORS, INACCURACIES OR OMISSIONS WHATSOEVER.

21 June 88
28 SEPT 73
28 May 56

