1996 ASSESSMENT REPORT

DESCRIBING GEOLOGICAL, GEOCHEMICAL , GEOPHYSICAL AND DIAMOND DRILL HOLE SURVEYS ON THE WIKA (1-64) AND YT (1-91) CLAIMS, FINLAYSON LAKE AREA, YUKON TERRITORY

093592

NTS 105G/1
61°10'N/130°10'W
Watson Lake Mining Division

Prepared for

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RPT/97-004

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 $ 5,450 .

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

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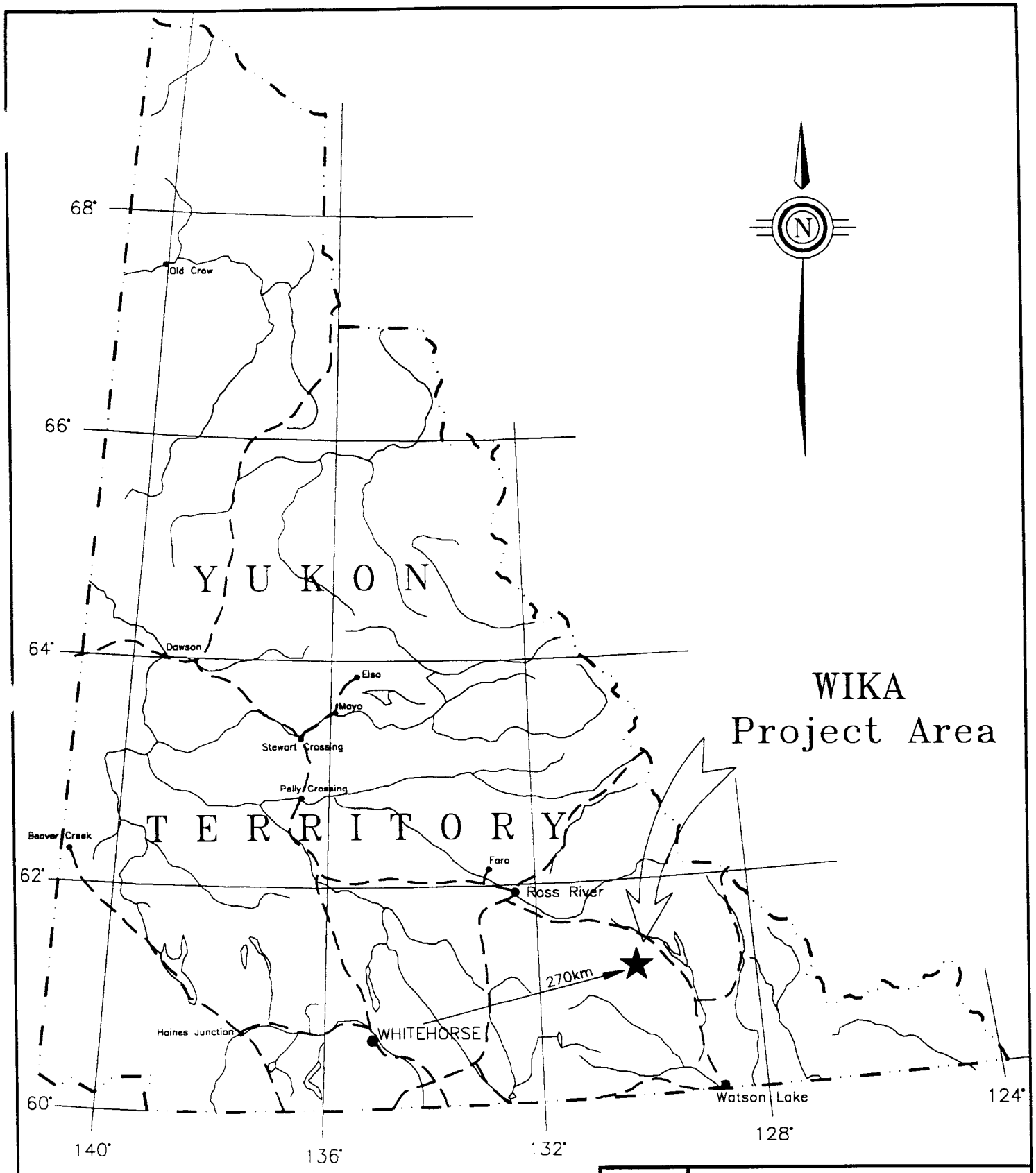
1.0 INTRODUCTION

An airborne geophysical survey was flown over portions of the Wika and YT claim groups as part of a larger survey being flown in the area for Westmin Resources Limited between November 3 and December 5, 1995. As the YT claims were not staked untill the summer of 1996, no assessment dollars were applied to the YT claims for the airborne survey. The 1996 field program was carried out on the Wika 1-64 between July 1 and September 15, 1996, on the YT 1-55 claims between August 10 and September 15, 1996, and on the YT 56-91 claims between August 28 and September 15, 1996. The field work was conducted by Westmin Resources Limited field personnel who are listed in Appendix B. The work included line-cutting in the central portion of the property, grid and contour soil sampling, silt sampling, geologic mapping and rock sampling, a ground MAG/VLF survey, and diamond drilling. All samples were sent to Chemex Labs in North Vancouver, B.C. for analysis. Line cutting was carried out by Twin Mountain Enterprises of Whitehorse, Yukon. The drilling contractor used was Britten Brothers Diamond Drilling of Smithers, B.C. The exploration program was supervised by David Terry and Terry Tucker of Westmin Resources Limited.

2.0 LOCATION, ACCESS AND PHYSIOGRAPHY

The Wika and YT claims are located 155 km southeast of the village of Ross River and 35 km northwest of Watson Lake in the southeastern Yukon, as is shown by Figure 1.0. The claims are centered about 61°10'N and 130°10'W within NTS map sheet 105G/1. Access to 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 lies approximately 35 km north of the property.



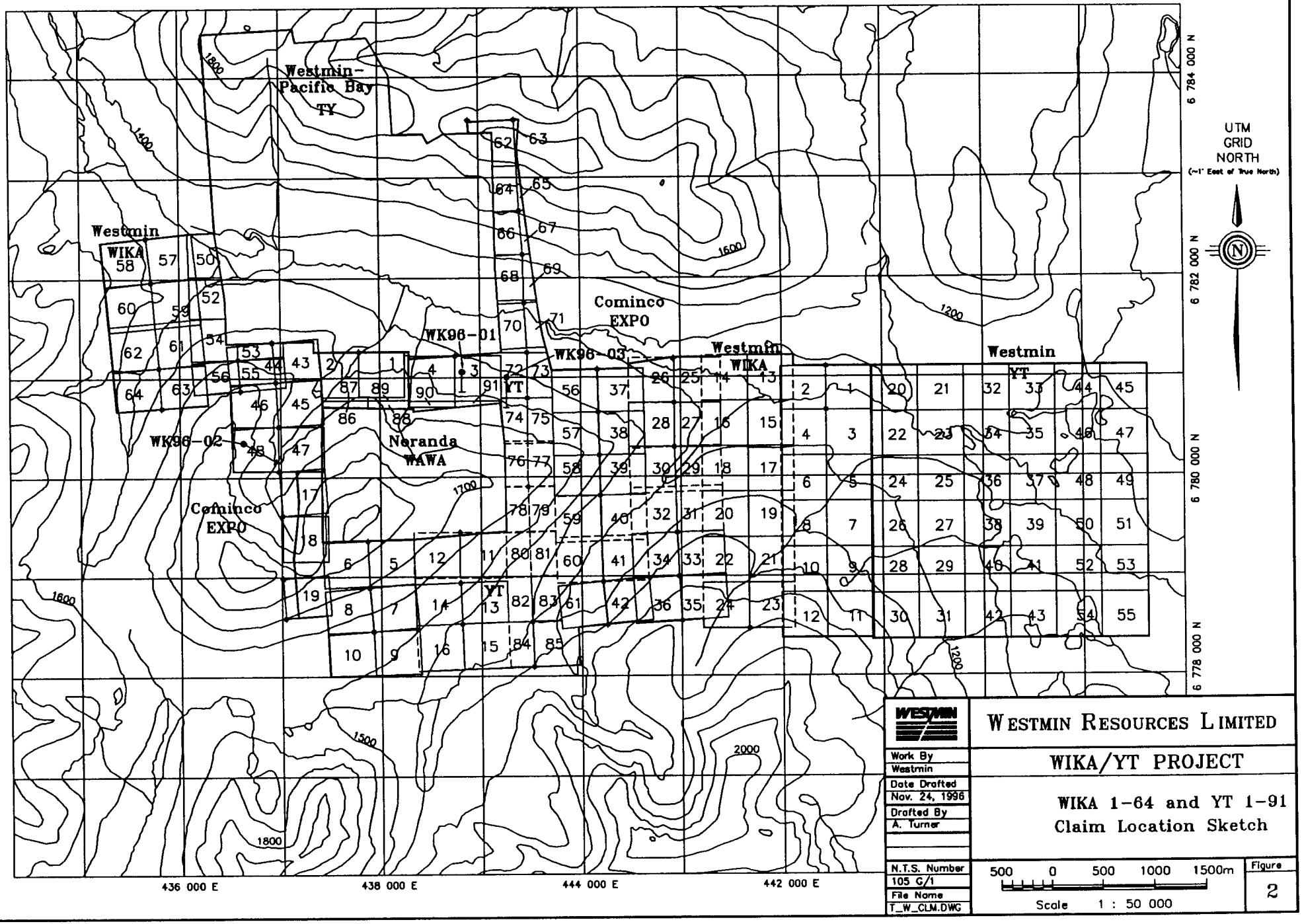
	WESTMIN RESOURCES LIMITED
Work By: Westmin	WIKA PROJECT
Date Drafted: Nov. 24, 1996	WIKA / YT Property Location Sketch
Drafted By: A. Turner	
N.T.S. Number: 105 G/1	50 0 50 100 150km
File Name: PUCK_LOC.DWG	Scale 1 : 5 000 000
	Figure 1

The Wika and YT claims lie within the Simpson Range of the Pelly Mountains, a sub-division of the Yukon Plateau physiographic region of the northern Cordillera. Elevation in the Simpson Range varies between 1000 meters and 2350 meters above sea level. On the claims elevations range from 1200 meters to 1900 meters above sea level. The Simpson range is bounded by the regional Tintina Fault to the southwest, the Ross Lowland to the northwest, and the Liard Plateau to the southeast. Glaciation in the area between 26.5 ka and 10 ka resulted in the formation of broad anastamosing valleys, isolated mountains and small mountain ranges. Tributaries to drainages occupying the valleys commonly originate in cirque valleys. Wide valleys are commonly infilled with glaciofluvial sediments.

The valley which occurs to the north of the main poriton of the Wika and YT claims is occupied by glaciofluvial deposits of greater than 5 meters thickness. Treeline ranges from 1400 to 1500 meters above sea level, below which vegetation is dominated by black spruce and balsam fir. Most of the outcrop in the central portion of the property occurs along two north-flowing creeks which drain the mountain which occurs to the south of the property. There are also abundant outcrops along the main east-flowing drainage in the eastern portion of the claim block. Minor outcrop and subcrop was observed in the forested areas.

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 D. The distribution of the Wika (1-64) and YT (1-91) claims is shown by Figure 2.0. The claims are 100% owned by Westmin Resources Limited of Vancouver, B.C..



WESTMIN RESOURCES LIMITED

WIKA/YT PROJECT

WIKA 1-64 and YT 1-91
Claim Location Sketch

Work By	Westmin
Date Drafted	Nov. 24, 1996
Drafted By	A. Turner
N.T.S. Number	105 G/1
File Name	T_W_CLM.DWG

500 0 500 1000 1500m

Scale 1 : 50 000

Figure 2

4.0 PREVIOUS WORK

The Wika and YT claims were staked around the perimeter of the preexisting TY claims. The area now covered by part of the TY claims and the strip of YT claims which abuts the southern TY claim boundary was originally staked as the PY claims by Cyprus Anvil Mining Corporation in 1975 to cover a regional stream sediment survey anomaly of 1000 ppm Cu. At that time a grid was established and mapping, soil sampling, EM, and IP surveys were carried out over the property. Highly anomalous Cu in soil anomalies were detected however the geophyisical surveys failed to identify any specific target (Schmidt, 1995). In 1988 Northern Dynasty staked the area as the Lion claims to cover gold and arsenic anomalies in stream sediments reported in G.S.C. O.F. 1648. Limited followup work failed to locate the source of the anomalies (Schmidt, 1995).

Atna Resources held claims over the area in the early 1990's and the TY Claims were staked by Pacific Bay Minerals in 1994 to cover the northern part of the former PY property. During the summer of 1995 Pacific Bay conducted a soil survey over a flagged grid on the southern portion of the TY property. Numerous copper anomalies and some lead, zinc and silver anomalies were detected. During the fall of 1995 the property was visited by Westmin Resources Limited who shortly thereafter took an option on the property. The Wika claims were staked in October, 1995 and the YT claims were staked during the late summer of 1996 by Westmin Resources Limited.

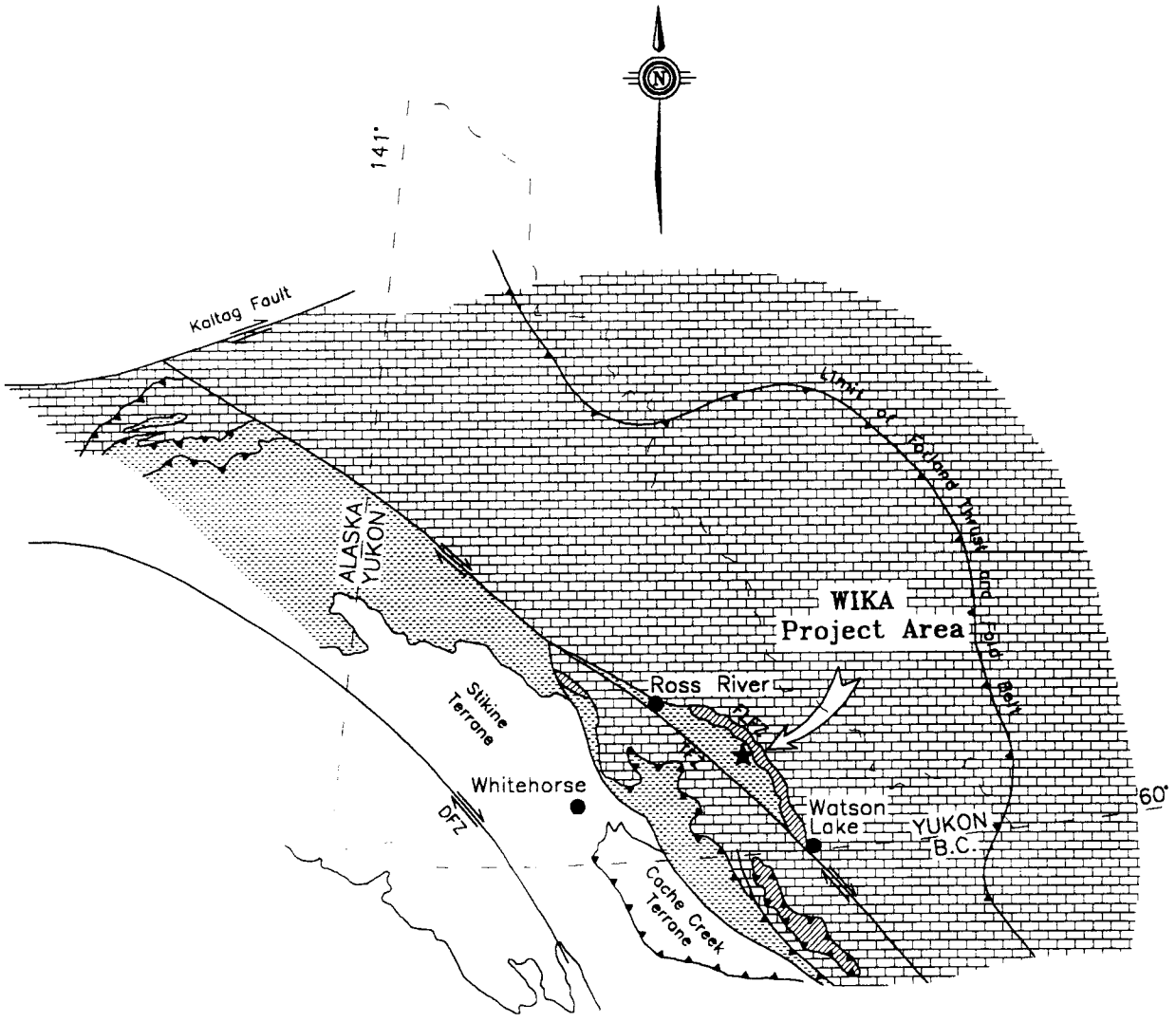
5.0 REGIONAL GEOLOGY

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 3.1).

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). 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), however, suggests that large K-feldspar megacrystic 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 subterranes. Mortensen and



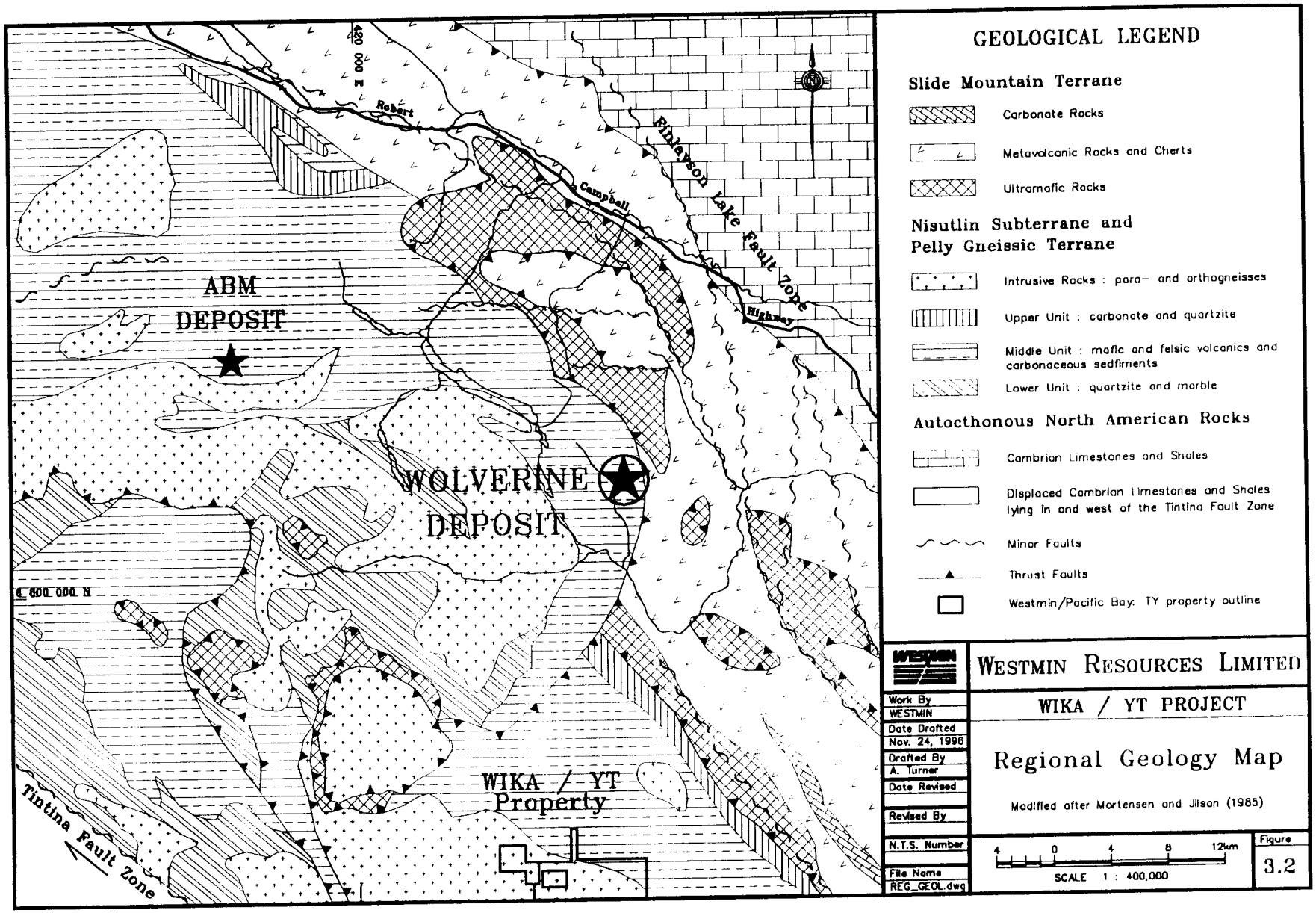
LEGEND

- 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
Work By	WIKA PROJECT
Date Drafted: Nov. 24, 1996	Tectonic Setting
Drafted By: A.T. & J.K.	after Mortensen and Jilson (1985)
N.T.S. Number	100 0 100 200 250km
File Name: YUK_TAN.DWG	Scale1 : 10 000 000
	Figure 3.1

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 3.2). 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, 1979 and Mortensen and Jilson, 1985) as fragments of a dismembered ophiolite. Tempelman-Kluit (1979) mapped these rocks as part of the Anvil alllochthon 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


420 000 E
Robert
Campbell
Fifteyson Lake Fault Zone
Highway
ABM
DEPOSIT
WOLVERINE
DEPOSIT
6 600 000 N
WIKA / YT
Property
Tintina Fault Zone
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 sedfiments
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/Pacific Bay: TY property outline
WESTMIN
WESTMIN RESOURCES LIMITED
Work By
WESTMIN
Date Drafted
Nov. 24, 1998
Drafted By
A. Turner
Date Revised
Revised By
N.T.S. Number
File Name
REG_GEOL.dwg
WIKA / YT PROJECT
Regional Geology Map
Modified after Mortensen and Jilson (1985)
4 0 4 8 12km
SCALE 1 : 400,000
Figure
3.2

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

The Wika and YT claims are located in the east-central portion of the Finlayson Lake belt and are underlain by Devono-Mississippian meta-igneous and metasedimentary rocks believed to belong to the middle division of the LMP. Much of the property is underlain by a package of felsic to intermediate volcanic and pyroclastic rocks which occur in a dip-slope situation on the north side of the mountain which is located in the southern-central portion of the claim group. These volcanic rocks commonly contain several percent disseminated to stringer pyrite and as a result form spectacular gossans where the package outcrops along two north-draining creeks which flow into the main drainage which occupies the central east-west trending valley on the TY property.

The volcanic rock package comprises interlayered grey aphyric rhyolite, green to grey rhyolite to dacite tuff, crystal tuff and lappili tuff. Locally andesitic tuffaceous units were identified in drill core. The grey aphyric rhyolites are "cherty" and massive-textured, containing no discernible phenocryst phase.

Tuffaceous rocks are heterogeneously textured. Some units contain several percent disseminated quartz-eyes and/or variably saussuritized feldspar. Yellow-green coloured sericite alteration developed along foliation planes is common and defines an easterly-trending shallowly north-dipping S1 foliation which appears to closely parallel primary layering in the rock package. Variable intensities of sericite, chlorite, and carbonate alteration occur.

All drill holes on the WIKA and YT properties cored the felsic volcanic/pyroclastic stratigraphy and ended in an underlying K-feldspar augen schist. This distinctive lithology is characterized by heterogeneously concentrated subhedral to euhedral pink coloured K-feldspar megacrysts (porphyryoblasts?) up to several centimeters in size. Less common phases contain rounded quartz concentrations up to several centimeters, either with or without feldspar. The megacrysts occur in a fine to medium-grained dark green coloured chloritic matrix. Large outcrops of the K-feldspar augen schist occur south of the western Wika block, forming large cliffy exposures at the headwall of the cirque at the top of the westernmost north-flowing creek. Thus the large augen schist body dips beneath the felsic package which outcrops on the Wika-YT claims. The contact between the felsic package and the K-feldspar augen schist was shown as a steep normal fault with subsequent perpendicular offsets by Tempelman-Kluit (1977). Mortensen (personal communication, 1996) suggested that the K-feldpar augen schist was co-magmatic with the overlying felsic package and that the contact was intrusive in nature. In most of the drill holes the two units were interleaved near the contact and only in one instance did a fault appear to define the contact in drill core.

6.1 Mineralization

Up the creek to the south of the main pyritic massive sulphide showing on the TY property, quartz veins hosted in pyritic quartz-sericite schsit after felsic

volcanics contain coarse-grained blebs and stringers of chalcopyrite and lesser bornite. Similar veins were observed in float along the southernmost portions of lines 7000 E and 7200 E. A grab sample of one such vein from the creek occurring along the southern portion of L6400E returned an assay of >10,000 ppm Cu, 1030 ppb Au and 5.4 ppm Ag. Pb was not anomalous in any of the surface samples collected and the highest Zn value (1285 ppm Zn) came from a quartz-sulphide vein in the eastern Wika claim block. In the block of Wika claims whch covers the drainage near L5000E an extremely gossanous quartz-sericite-pyrite schist with laminated pyrite up to 5 mm in thickness outcrops in the creek gully. In this area drill hole WK-96-02 was collared to follow up anomalous soil geochemistry discussed in Section 8.0. Elsewhere on the property the felsic schists contain significant disseminated pyrite mineralization, but no other base metal showings were located. Representative samples of the main lithologies on the Wika-YT property were collected and selected samples were sent to Chemex Labs in Vancouver for analysis. Table 6.1 outlines the metal contents of the selected surface samples analyzed. The location of these samples is shown on Figure 5.0.

Table 6.1 Rock Sample Descriptions and Geochemistry

Sample	Lithology	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ba (ppm)
134282	Kfeld augen gneiss	<5	<2	13	28	38	870
134284	quartz veins	<5	<2	11	10	76	1380
134285	quartz-sericite schsit/Rhyolite	<5	<2	26	<2	16	1180
134286	quartz-sericite schsit/Rhyolite	<5	<2	100	4	58	2210
134751	quartz-sericite schsit/Rhyolite	<5	<2	645	34	104	50
134752	quartz-sericite schsit/Rhyolite	10	<2	496	4	28	420
134753	quartz-chalcopyrite-bornite vein	1030	5.4	>10000	24	38	100
134754	quartz-sericite schsit/Rhyolite	25	<2	125	6	28	480
134770	quartz-calcite-sericite schist/rhyolite tuff	50	0.2	22	20	98	130
134772	quartz-sericite schsit/Rhyolite	<5	<2	8	16	54	750
134773	quartz-sericite schsit/Rhyolite	<5	<2	8	16	66	1050
134774	quartz-sericite schsit/Rhyolite	<5	<2	19	2	250	110
134775	quartz-sericite schsit/Rhyolite	<5	<2	58	10	82	1490
134783	quartz-pyrite-chalcopyrite vein	10	<2	586	<2	48	1210
134784	quartz-pyrite-chalcopyrite vein	25	0.2	816	14	78	220
134785	quartz-pyrite-chalcopyrite vein	15	1	1240	100	1285	130

6.2 Drill Results

Three holes were drilled on the property for a total of 609.9 meters. WK96-01 and WK96-03 were drilled to the south at an inclination of 45 degrees, intersecting both felsic volcanics and intrusives at an average core angle of seventy degrees. These holes were drilled in the northern portion of the YT property in the vicinity of highly anomalous copper values in soil. WK96-02 was drilled in a cirque further to the west on the WIKA property at an azimuth of 115 degrees in order to test the possible downdip extent of mineralized felsic units which form striking gossans in the creek southeast of the collar. Table 6.2 summarizes the drill hole locations, orientations and hole depths.

Table 6.2 Drill Hole Location Data

Hole Number	Azimuth (degrees)	Dip	Claim	Locatio northing	(Grid) easting	Locatio northing	(UTM) easting	Elev (m)	Depth (m)
WK96-01	180	45	YT-3	4150	7100	6781960	438500	131	192.3
WK96-02	115	45	WK-48	3850	5000	6781477	438290	150	268.2
WK96-03	180	45	YT-72	4000	7400	6781525	438080	133	149.4

All the holes were collared in a felsic volcanic package consisting of grey aphyric to fragmental textured rhyolite and green to grey rhyolite to dacite tuff and crystal tuff. The grey aphyric rhyolites are "cherty" and massive-textured, containing no discernible phenocryst phase; the tuffaceous rocks are heterogeneously textured. This felsic package is typically 40 to 60 meters thick, and is underlain by, and occasionally interlayered with, the K-feldspar augen schist.

Two intrusive units comprise the lower portions of the drill holes. The first is a white to light green quartz sericite schist, typically intersected first, which was likely protolithed by quartz feldspar porphyry. The second is a dark green chloritic schist containing quartz and feldspar phenocrysts as well as local pink megacrystic K-feldspar augen. This unit generally occurs at the bottom of each

of the holes. In drill core it is characterized by heterogeneously concentrated subhedral to euhedral pink coloured K-feldspar megacrysts (porphyryoblasts?) up to several centimeters in size. Less common phases of this intrusive contain rounded quartz concentrations up to several centimeters in size, either with or without feldspar. The megacrysts occur in a fine to medium-grained dark green coloured chloritic matrix.

Mineralization observed in drill core comprises trace to several percent disseminated pyrite, lesser pyrrhotite and trace chalcopyrite and sphalerite within the felsic volcanics. Locally pyrite/pyrrhotite with minor chalcopyrite occurs as fine-grained bands up to several centimeters in width. Sphalerite occurs locally as millimeter scale stringers associated with pyrite and pyrrhotite. Although pyrite is common throughout the felsic package and also occurs locally within the intrusive units, no significant concentrations of other sulphide minerals were observed. Each of the drill holes was systematically sampled from top to bottom and analyzed for 27 elements including gold, silver, copper, lead, zinc and barium. No significant anomalous zones were analytically detected. The most interesting mineralization was observed in hole WK96-03 from 42.7 to 42.9 meters where 20 cm of massive pyrite returned assays of 90 ppb gold, 1.4 ppm silver and 1170 ppm copper; and from 56.6 to 59.2 meters where 2.6 m of massive to fragmental rhyolite with 5-10% disseminated pyrite and <1% sphalerite returned 2.9 ppm Ag, 571 ppm Pb and 3165 ppm Zn. Table 6.3 summarizes the highest metal concentrations from each hole.

Table 6.3 Drill Core Assay Results

	WK96-01	width (m)	WK96-02	width (m)	WK96-03	width (m)
Au (ppb)	20	7.0	55	3.2	90	0.2
Ag (ppm)	1.0	3.0	2.2	3.0	1.4	0.2
Cu (ppm)	1420	3.0	1020	2.3	1170	0.2
Pb (ppm)	76	3.0	344	2.8	630	1.6
Zn (ppm)	290	3.0	864	3.0	3540	1.0
Ba (ppm)	2480	3.0	1790	3.0	1050	3.0

Diamond drill hole locations are shown on Figure 4.0 and are located with respect to claim boundaries on Figure 2.0. Drill sections showing geology as well as complete assay results for the elements above are presented in Figures 6.1 - 6.3. Detailed drill logs and assay certificates are located in Appendix F and Appendix G, respectively.

7.0 GEOPHYSICS

7.1 Airborne Survey

Most of the Wika and YT property was covered by an airborne geophysical survey carried out as part of a larger survey in the area for Westmin Resources by Dighem. The survey was flown between November 3 and December 5, 1995. The results of the survey are detailed in Dighem Report #1239 (Garrie, 1996), the parts of which pertain to the Wika claims are included in Appendix E. The entire report has been filed with the Yukon government for assessment purposes. The airborne survey over the Wika claims was hampered somewhat by the rugged ground, which resulted in somewhat higher then normal flying heights, and the highly resistive surficial cover. The magnetic data showed little variability however some areas of elevated magnetic response were detected. Individual discrete EM conductors detected by the survey are discussed in Appendix E. Airborne maps covering the Wika property are located in Appendix H and include: Filtered VLF, Electromagnetic Anomalies, Calculated Vertical Gradient Magnetics, Total Field Magnetics, Resistivity (56,000 Hz Coplanar), and Resistivity (7,200 Hz Coplanar).

7.2 Ground Survey

A ground MAG/VLF survey was carried out over the parts of the Wika and YT claims covered by the cut grid. Westmin Resources Limited personnel carried out the survey using a GSM-19 Gemsystem mobile data collector. VLF results were obtained from transmitting stations at Seattle, Washington and Cutler, Maine. The contoured ground magnetics map is shown in Figure 7.0. Similar to the aeromagnetic results it shows a flat magnetic response with localized highs. VLF data collected during this work was of poor quality and therefore is not included in this report.

8.0 SOIL AND SILT GEOCHEMISTRY

Efforts were made to collect good B-Horizon soil at each sample location. Table 8.1 summarizes the statistical information for the 650 contour and grid soil samples collected on the Wika and YT claims.

Table 8.1 Soil Geochemical Statistics

	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ba (ppm)
Minimum	2.5	0.1	5	1	20	360
Maximum	465	7.2	10000	520	558	8030
Average	7.0	0.4	199	47	108	1534
Percentile						
95th	20	1.2	557	111	236	2817
90th	10	1	298	86	182	2171
80th	2.5	0.6	171	66	142	1782
75th	2.5	0.4	153	60	126	1648
50th	2.5	0.1	72	34	90	1320
10th	2.5	0.1	17	10	52	940

The central portion of the Wika-YT property was covered by two east-west trending baselines and north-south lines spaced at 200 meter intervals. B-horizon soil samples were collected at 25 meter intervals along the cross lines

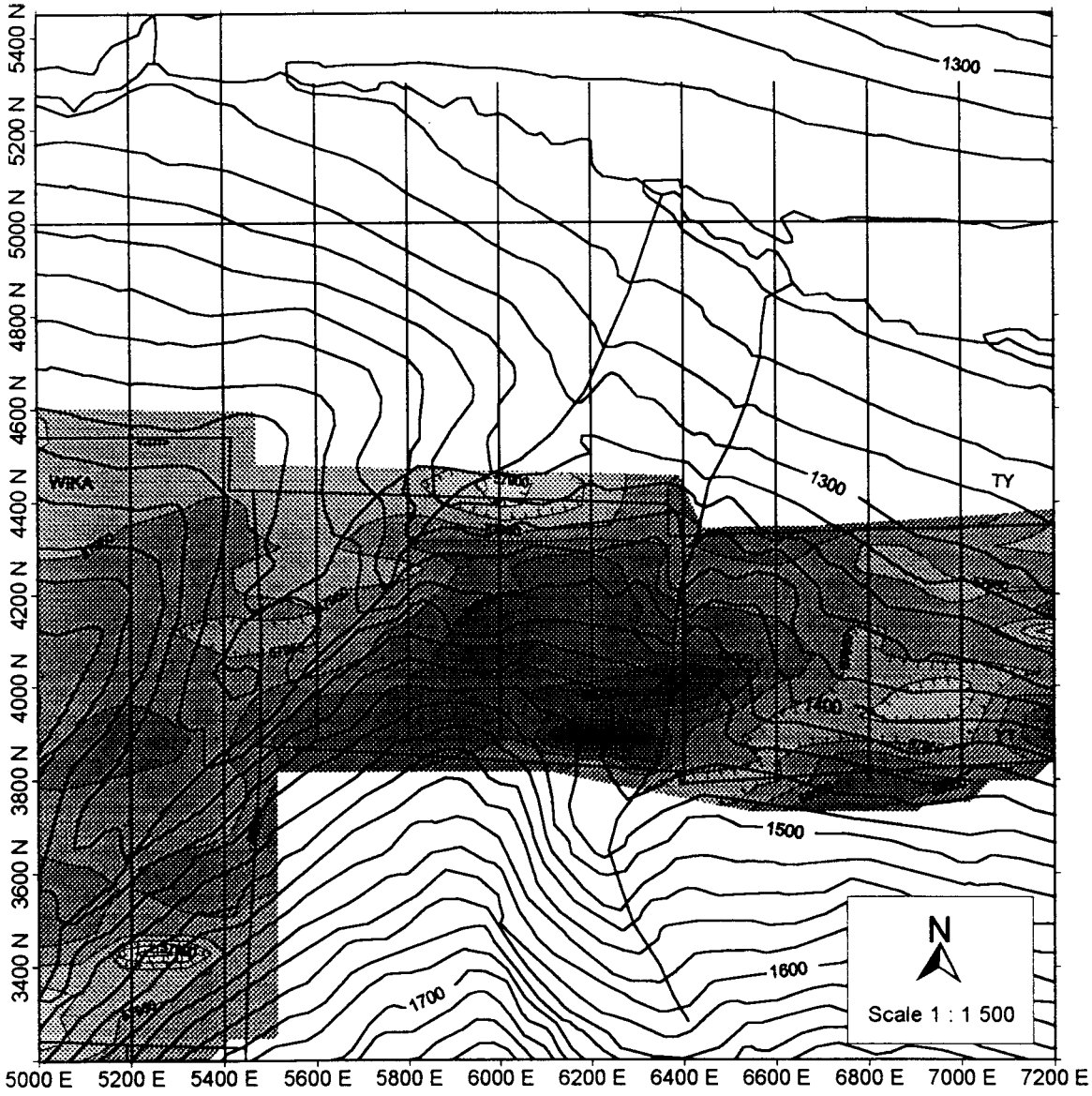


Figure 7. Ground Magnetics Contour Map.

on the main grid. Along the eastern extension of the grid, samples were collected at 50 meter intervals along some lines. A number of anomalous areas and spot-highs were detected as a result of the survey. Most of these anomalies were concentrated within the YT claims located directly south of the TY property. However, the eastern grid area on the Wika block contains several soil anomalies.

Au values in soil range up to 465 ppm Au. This high value comes from a sample taken at the southern end of L7400E. Other Au anomalies are a 150 ppb Au at L5800E/4300N; a contiguous 70 and 145 ppb Au at L6800E/4275N-4300N; and 120 ppb Au from L6600E/4225N. Ag anomalies, ranging up to 7.2 ppm Ag, are scattered throughout the gridded area to the south of the TY claims. Of particular interest are the 7.2 ppm Ag from the southern part of L7800E with high values of 2-4.6 ppm Ag on adjacent lines; contiguous values of 1.6 and 2.6 ppm Ag from L7200E/4225N and 4250N; spot highs of 1.6 ppm at L6600E/3950N; and the 1.4 ppm form L6200E/4275N. The long contour soil line in the eastern YT block also has contiguous values of 1.4 ppm and 1.2 ppm near its northern terminus.

Cu soil values from the Wika-YT claims range up to greater than 10,000 ppm Cu. The largest anomaly, including the >10,000 ppm Cu occurs along the length of L7200E, between 3900N and 4100N on L7000E, and continues east onto L7400E. The source of this soil anomaly was the target of drill holes WK-96-01 and WK-96-03. Another anomaly of 550 ppm Cu at L5000E/3500N was the target of the third drill hole, WK-96-02. Another interesting anomalous area occurs on L8000E where values of up to 844 ppm Cu were attained from soil samples.

Up to 520 ppm Pb (southern portion of L7600E) in soil was detected on the Wika-YT property. The large area of anomalous Cu values centered around

L7200E is not particularly elevated in Pb, however, a string of anomalies occurs to the east on L5800E with values of up to 372 ppm Pb. Anomalous Pb values of up to 268 ppm were also detected along the single contour soil line in the eastern YT block. Anomalous Zn values of up to 558 ppm Zn (area on L5800E between 4150N and 4350 N) were attained from the grid area on the Wika-YT claims. A value of 428 ppm Zn from 3475N on L5000E coincides with the Cu anomaly tested by drill hole WK-96-02. An anomalous trend of Zn in soil anomalies also coincides with the large Cu in soil anomaly centered on L7200E. Zn values here range up to 366 ppm Zn and define a northeasterly trend spanning lines 7000E to 7400E. Several moderately anomalous samples (up to 304 ppm Zn occur in the main body of the eastern extension of the grid onto the Wika block, however, the contour soil line on the eastern YT block contains no significant Zn anomalies. Ba in soil values range up to 8030 ppm Ba and the most anomalous area is concentrated along the southern portion of the eastern extension of the soil grid between lines 7600E and 8400E.

Silt samples (9) were collected at 100 meter spacing up the westernmost north-flowing drainages on the western YT and Wika Claims. The statistics for these samples is given below in Table 8.2. Silts ranged up to 420 ppm Cu, 172 ppm Pb, and 420 ppm Zn.

Table 8.2 Silt Geochemical Statistics

	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ba (ppm)
Minimum	2.5	0.1	186	100	302	1400
Maximum	15	0.2	326	172	420	1640
Average	4.7	0.2	246	127	347	1467
95th	13	0.2	310	162	402	1588
90th	11	0.2	295	153	385	1536
80th	5.5	0.2	283	146	366	1504
75th	2.5	0.2	281	144	360	1500
50th	2.5	0.2	232	120	348	1430
10th	2.5	0.1	202	105	307	1416

10.0 CONCLUSIONS AND RECCOMENDATIONS

The geological setting, the altered and sulphidized felsic volcanic stratigraphy, and the presence of several highly elevated polymetallic soil geochemical anomalies suggest that the Wika-YT claims are prospective for volcanogenic massive sulphide mineralization. The three drill holes collared on the property did not sufficiently explain the large Cu values attained from soil sampling, nor the coincident Zn in soil anomaly. It is possible that the source of the Cu anomaly is the quartz-chalocpyrite veins observed in several locations, however, only one such small vein was observed in drill core in hole WK-96-01. Even if the primary source of the anomaly is these veins, the ultimate source of the Cu remobilized into quartz sweats may be cupriferous massive sulpide mineralization. Further drilling in the area of the large Cu-Zn anomaly and more detailed mapping and sampling of the altered felsic volcanics in the eastern portion of the claims are needed to fully evaluate this property.

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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 an airborne geophyisical survey was carried out over the TY claims between November 25 and December 5, 1995. In addition I solemnly declare that a field program consisting of linecutting, soil sampling, silt sampling, rock sampling, geologic mapping, ground geophysics and diamond drilling was carried out on the Wika 1-64 between July 1 and September 15, 1996, on the YT 1-55 claims between August 10 and September 15, 1996, and on the YT 56-91 claims between August 28 and September 15, 1996.

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

Labour	$14,831.00
Camp costs	$13,600.00
Helicopter	$64,330.00
Drilling	$44,155.00
Fuel	$2,640.00
Line cutting	$9,000.00
Airborne geophysics	$7,756.80
Geochemistry	$7,160.00
Total expenditures	**$163,471.80**

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
4. Travel expenses relate only to travel to and from the project within the Yukon Territory

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

Dated at Vancouver in the Province of British Columbia this 19 day of March, 1997.

David A. Terry, Project Geologist

RPT/97-004

APPENDIX B

CLAIM INFORMATION

WIKA/YT PROPERTY CLAIMS

(Showing expiry dates subsequent to the current filing)

CLAIM NAME	CLAIM NO.	GRANT NO.		RECORD DATE	EXPIRY DATE
WIKA	1	YB	70879	06 Nov 95	06-Feb-01
WIKA	2	YB	70880	06 Nov 95	06-Feb-01
WIKA	3	YB	70881	06 Nov 95	06-Feb-01
WIKA	4	YB	70882	06 Nov 95	06-Feb-01
WIKA	5	YB	70883	06 Nov 95	06-Feb-01
WIKA	6	YB	70884	06 Nov 95	06-Feb-01
WIKA	7	YB	70885	06 Nov 95	06-Feb-01
WIKA	8	YB	70886	06 Nov 95	06-Feb-01
WIKA	9	YB	70887	06 Nov 95	06-Feb-01
WIKA	10	YB	70888	06 Nov 95	06-Feb-01
WIKA	11	YB	70889	06 Nov 95	06-Feb-01
WIKA	12	YB	70890	06 Nov 95	06-Feb-01
WIKA	13	YB	70891	06 Nov 95	06-Feb-01
WIKA	14	YB	70892	06 Nov 95	06-Feb-01
WIKA	15	YB	70893	06 Nov 95	06-Feb-01
WIKA	16	YB	70894	06 Nov 95	06-Feb-01
WIKA	17	YB	70895	06 Nov 95	06-Feb-01
WIKA	18	YB	70896	06 Nov 95	06-Feb-01
WIKA	19	YB	70897	06 Nov 95	06-Feb-01
WIKA	20	YB	70898	06 Nov 95	06-Feb-01
WIKA	21	YB	70899	06 Nov 95	06-Feb-01
WIKA	22	YB	70900	06 Nov 95	06-Feb-01
WIKA	23	YB	70901	06 Nov 95	06-Feb-01
WIKA	24	YB	70902	06 Nov 95	06-Feb-01
WIKA	25	YB	70903	06 Nov 95	06-Feb-01
WIKA	26	YB	70904	06 Nov 95	06-Feb-01
WIKA	27	YB	70905	06 Nov 95	06-Feb-01
WIKA	28	YB	70906	06 Nov 95	06-Feb-01
WIKA	29	YB	70907	06 Nov 95	06-Feb-01
WIKA	30	YB	70908	06 Nov 95	06-Feb-01
WIKA	31	YB	70909	06 Nov 95	06-Feb-01
WIKA	32	YB	70910	06 Nov 95	06-Feb-01
WIKA	33	YB	70911	06 Nov 95	06-Feb-01
WIKA	34	YB	70912	06 Nov 95	06-Feb-01
WIKA	35	YB	70913	06 Nov 95	06-Feb-01
WIKA	36	YB	70914	06 Nov 95	06-Feb-01
WIKA	37	YB	70915	06 Nov 95	06-Feb-01
WIKA	38	YB	70916	06 Nov 95	06-Feb-01
WIKA	39	YB	70917	06 Nov 95	06-Feb-01
WIKA	40	YB	70918	06 Nov 95	06-Feb-01

WIKA/YT PROPERTY CLAIMS
(Showing expiry dates subsequent to the current filing)

CLAIM NAME	CLAIM NO.	GRANT NO.		RECORD DATE	EXPIRY DATE
WIKA	41	YB	70919	06 Nov 95	06-Feb-01
WIKA	42	YB	70920	06 Nov 95	06-Feb-01
WIKA	43	YB	70921	06 Nov 95	06-Feb-01
WIKA	44	YB	70922	06 Nov 95	06-Feb-01
WIKA	45	YB	70923	06 Nov 95	06-Feb-01
WIKA	46	YB	70924	06 Nov 95	06-Feb-01
WIKA	47	YB	70925	06 Nov 95	06-Feb-01
WIKA	48	YB	70926	06 Nov 95	06-Feb-01
WIKA	49	YB	70927	06 Nov 95	06-Feb-01
WIKA	50	YB	70928	06 Nov 95	06-Feb-01
WIKA	51	YB	70929	06 Nov 95	06-Feb-01
WIKA	52	YB	70930	06 Nov 95	06-Feb-01
WIKA	53	YB	70931	06 Nov 95	06-Feb-01
WIKA	54	YB	70932	06 Nov 95	06-Feb-01
WIKA	55	YB	70933	06 Nov 95	06-Feb-01
WIKA	56	YB	70934	06 Nov 95	06-Feb-01
WIKA	57	YB	70935	06 Nov 95	06-Feb-01
WIKA	58	YB	70936	06 Nov 95	06-Feb-01
WIKA	59	YB	70937	06 Nov 95	06-Feb-01
WIKA	60	YB	70938	06 Nov 95	06-Feb-01
WIKA	61	YB	70939	06 Nov 95	06-Feb-01
WIKA	62	YB	70940	06 Nov 95	06-Feb-01
WIKA	63	YB	70941	06 Nov 95	06-Feb-01
WIKA	64	YB	70942	06 Nov 95	06-Feb-01
YT	1	YB	86723	07-Aug-96	07-Feb-02
YT	2	YB	86724	07-Aug-96	07-Feb-02
YT	3	YB	86725	07-Aug-96	07-Feb-02
YT	4	YB	86726	07-Aug-96	07-Feb-02
YT	5	YB	86727	07-Aug-96	07-Feb-02
YT	6	YB	86728	07-Aug-96	07-Feb-02
YT	7	YB	86729	07-Aug-96	07-Feb-02
YT	8	YB	86730	07-Aug-96	07-Feb-02
YT	9	YB	86731	07-Aug-96	07-Feb-02
YT	10	YB	86732	07-Aug-96	07-Feb-02
YT	11	YB	86733	07-Aug-96	07-Feb-02
YT	12	YB	86734	07-Aug-96	07-Feb-02
YT	13	YB	86735	07-Aug-96	07-Feb-02
YT	14	YB	86736	07-Aug-96	07-Feb-02
YT	15	YB	86737	07-Aug-96	07-Feb-02
YT	16	YB	86738	07-Aug-96	07-Feb-02

WIKA/YT PROPERTY CLAIMS

(Showing expiry dates subsequent to the current filing)

CLAIM NAME	CLAIM NO.	GRANT NO.		RECORD DATE	EXPIRY DATE
YT	17	YB	86739	07-Aug-96	07-Feb-02
YT	18	YB	86740	07-Aug-96	07-Feb-02
YT	19	YB	86741	07-Aug-96	07-Feb-02
YT	20	YB	86742	07-Aug-96	07-Feb-02
YT	21	YB	86743	07-Aug-96	07-Feb-02
YT	22	YB	86744	07-Aug-96	07-Feb-02
YT	23	YB	86745	07-Aug-96	07-Feb-02
YT	24	YB	86746	07-Aug-96	07-Feb-02
YT	25	YB	86747	07-Aug-96	07-Feb-02
YT	26	YB	86748	07-Aug-96	07-Feb-02
YT	27	YB	86749	07-Aug-96	07-Feb-02
YT	28	YB	86750	07-Aug-96	07-Feb-02
YT	29	YB	86751	07-Aug-96	07-Feb-02
YT	30	YB	86752	07-Aug-96	07-Feb-02
YT	31	YB	86753	07-Aug-96	07-Feb-02
YT	32	YB	86754	07-Aug-96	07-Feb-02
YT	33	YB	86755	07-Aug-96	07-Feb-02
YT	34	YB	86756	07-Aug-96	07-Feb-02
YT	35	YB	86757	07-Aug-96	07-Feb-02
YT	36	YB	86758	07-Aug-96	07-Feb-02
YT	37	YB	86759	07-Aug-96	07-Feb-02
YT	38	YB	86760	07-Aug-96	07-Feb-02
YT	39	YB	86761	07-Aug-96	07-Feb-02
YT	40	YB	86762	07-Aug-96	07-Feb-02
YT	41	YB	86763	07-Aug-96	07-Feb-02
YT	42	YB	86764	07-Aug-96	07-Feb-02
YT	43	YB	86765	07-Aug-96	07-Feb-02
YT	44	YB	86766	07-Aug-96	07-Feb-02
YT	45	YB	86767	07-Aug-96	07-Feb-02
YT	46	YB	86768	07-Aug-96	07-Feb-02
YT	47	YB	86769	07-Aug-96	07-Feb-02
YT	48	YB	86770	07-Aug-96	07-Feb-02
YT	49	YB	86771	07-Aug-96	07-Feb-02
YT	50	YB	86772	07-Aug-96	07-Feb-02
YT	51	YB	86773	07-Aug-96	07-Feb-02
YT	52	YB	86774	07-Aug-96	07-Feb-02
YT	53	YB	86775	07-Aug-96	07-Feb-02
YT	54	YB	86776	07-Aug-96	07-Feb-02
YT	55	YB	86777	07-Aug-96	07-Feb-02
YT	56	YB	87290	26-Aug-96	26-Feb-02

WIKA/YT PROPERTY CLAIMS
(Showing expiry dates subsequent to the current filing)

CLAIM NAME	CLAIM NO.	GRANT NO.		RECORD DATE	EXPIRY DATE
YT	57	YB	87291	26-Aug-96	26-Feb-02
YT	58	YB	87292	26-Aug-96	26-Feb-02
YT	59	YB	87293	26-Aug-96	26-Feb-02
YT	60	YB	87294	26-Aug-96	26-Feb-02
YT	61	YB	87295	26-Aug-96	26-Feb-02
YT	62	YB	87296	26-Aug-96	26-Feb-02
YT	63	YB	87297	26-Aug-96	26-Feb-02
YT	64	YB	87298	26-Aug-96	26-Feb-02
YT	65	YB	87299	26-Aug-96	26-Feb-02
YT	66	YB	87300	26-Aug-96	26-Feb-02
YT	67	YB	87301	26-Aug-96	26-Feb-02
YT	68	YB	87302	26-Aug-96	26-Feb-02
YT	69	YB	87303	26-Aug-96	26-Feb-02
YT	70	YB	87304	26-Aug-96	26-Feb-02
YT	71	YB	87305	26-Aug-96	26-Feb-02
YT	72	YB	87306	26-Aug-96	26-Feb-02
YT	73	YB	87307	26-Aug-96	26-Feb-02
YT	74	YB	87308	26-Aug-96	26-Feb-02
YT	75	YB	87309	26-Aug-96	26-Feb-02
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YT	78	YB	87312	26-Aug-96	26-Feb-02
YT	79	YB	87313	26-Aug-96	26-Feb-02
YT	80	YB	87314	26-Aug-96	26-Feb-02
YT	81	YB	87315	26-Aug-96	26-Feb-02
YT	82	YB	87316	26-Aug-96	26-Feb-02
YT	83	YB	87317	26-Aug-96	26-Feb-02
YT	84	YB	87318	26-Aug-96	26-Feb-02
YT	85	YB	87319	26-Aug-96	26-Feb-02
YT	86	YB	87462	20-Sep-96	20-Sep-97
YT	87	YB	87463	20-Sep-96	20-Sep-97
YT	88	YB	87464	20-Sep-96	20-Sep-97
YT	89	YB	87465	20-Sep-96	20-Sep-97
YT	90	YB	87466	20-Sep-96	20-Sep-97
YT	91	YB	87467	20-Sep-96	20-Sep-97

APPENDIX C

LIST OF PERSONNEL

LIST OF PERSONNEL

Geoff Bradshaw (Geologist)
#904-1055 Dunsmuir St.
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Shanif Habib (Geologist)
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Stewart McCallion (Field Assisitant)
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Alana Rawlings (Field Assistant)
c/o Ross River Dena Development Corporation
Ross River, YT

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Whistler, B.C.
V0N 1B3

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

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

Andrew Turner (Geologist)
#904-1055 Dunsmuir St.
Vancouver, B.C.
V7X 1C4

Brian Wakeman (Geologist)
5728 South Ferrall Court
Spokane, Washington
99223

APPENDIX D

GEOLOGISTS CERTIFICATES

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, and Alaska for eight years.

3. THAT I am a graduate of the University of Western Ontario (1988) and hold a Honors Bachelor of Science in Geology.

4. THAT I am a member of the Prospectors and Developers Association of Canada, the Canadian Institute of Mining and Metallurgy, the Geological Society of America, and the Society of Economic Geologists.

5. THAT this report is based on property work I personally supervised between June 1 and October 1, 1996.

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 19 day of March, 1997.

David A. Terry, Project Geologist

6.0 STATEMENT OF QUALIFICATIONS

I, Terry L. Tucker, of the City of North Vancouver, in the Province of British Columbia, do hereby certify that:

I am registered as a professional geoscientist with the Association of Professional Engineers and Geoscientists of the Province of British Columbia (20108), residing at 1541 Mahon Avenue, North Vancouver, British Columbia, V7M 2S6 with a business address at #904 - 1055 Dunsmuir Street, P.O. Box 49066, The Bentall Centre, Vancouver, British Columbia, V7X 1C4.

I am a graduate of the University of Alberta, Edmonton, Alberta (1989) with a Bachelor of Science degree specialisation in Geology).

I am a member of the Canadian Institute of Mining and Metallurgy, Prospectors and Developers Association of Canada, British Columbia Chamber of Mines and the Yukon Chamber of Mines.

I have been a practising geologist in Canada, Australia, the United States and Papua New Guinea since 1987.

I directly performed or supervised the work which is described in this report.

DATED this 19 day of ~~February~~ MARCH 1997 at Vancouver, British Columbia.

Terry L. Tucker, P.Geo.
Project Geologist

Professional Seal

PROFESSIONAL ENGINEERS AND GEOSCIENTISTS PROVINCE OF BRITISH COLUMBIA T. L. TUCKER

GEOLOGISTS CERTIFICATE

I, Geoffrey D. Bradshaw of 8046 Redrooffs Road, Sechelt, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Geologist with Westmin Resources Limited with offices at #904-1055 Dunsmuir Street, Vancouver, British Columbia.

2. THAT I am a graduate of the University of British Columbia (1996) and hold an Honours Bachelor of Science in Geology.

3. THAT I am a member of the Association of British Columbia Professional Engineers and Geoscientists registered as a Professional Geoscientist in Training.

4. THAT this report is based on property work I personally completed and/or supervised between June 1 and October 1, 1996.

5. 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 ____ day of _____, 1997.

_____

Geoffrey D. Bradshaw, Geologist

APPENDIX E

DIGHEM AIRBORNE SURVEY REPORT

Report #1239

DIGHEM^V SURVEY
FOR
WESTMIN RESOURCES LIMITED
WOLVERINE LAKE PROJECT
YUKON

NTS 105G/1,7,8,9, 105H/5,12

Dighem, A division of CGG Canada Ltd.
Mississauga, Ontario

Douglas G. Garrie
Geophysicist

March 29, 1996

A1239MAR.96R

SUMMARY

This report describes the logistics and results of a DIGHEM^V airborne geophysical survey carried out for Westmin Resources Limited, over three properties located near Wolverine Lake, Yukon. Total coverage of the survey block amounted to 3660 km. The survey was flown from November 3 to December 5, 1995.

The purpose of the survey was to detect zones of conductive mineralization and to provide information that could be used to map the geology and structure of the survey areas. This was accomplished by using a DIGHEM^V multi-coil, multi-frequency electromagnetic system, supplemented by a high sensitivity Cesium magnetometer and a four-channel VLF receiver. The information from these sensors was processed to produce maps which display the magnetic and conductive properties of the survey areas. A GPS electronic navigation system, utilizing a UHF link, ensured accurate positioning of the geophysical data with respect to the base maps. Visual flight path recovery techniques were used to confirm the location of the helicopter where visible topographic features could be identified on the ground.

The survey properties contain several anomalous features, many of which are considered to be of moderate to high priority as exploration targets. Most of the inferred bedrock conductors appear to warrant further investigation using appropriate surface exploration techniques. Areas of interest may be assigned priorities on the basis of supporting geophysical, geochemical and/or geological information. After initial

investigations have been carried out, it may be necessary to re-evaluate the remaining anomalies based on information acquired from the follow-up program.

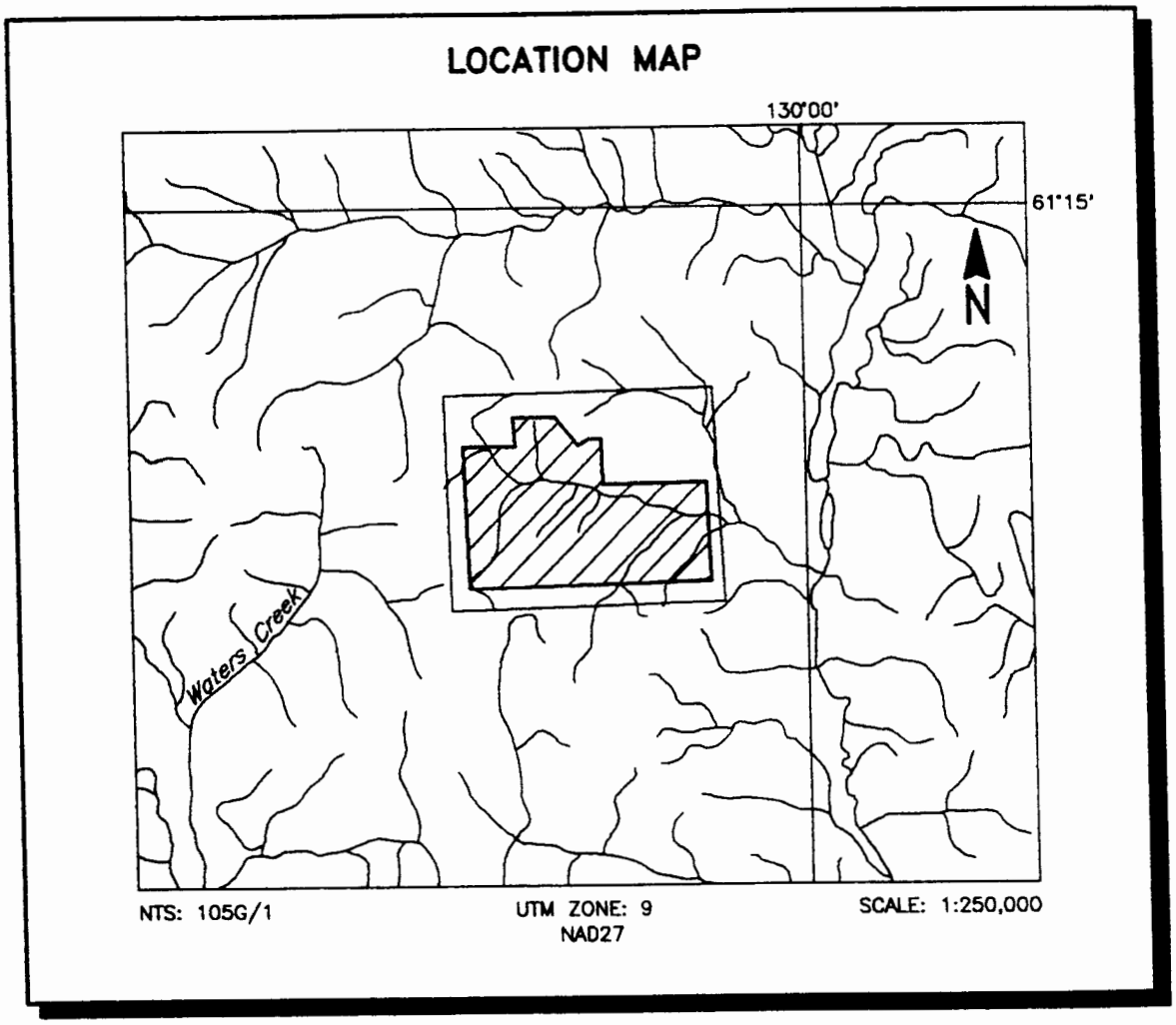

FIGURE 3
WESTMIN RESOURCES LIMITED
TY CLAIMS, YUKON
JOB 1239

CONTENTS

INTRODUCTION

A DIGHEM^V electromagnetic/resistivity/magnetic/VLF survey was flown for Westmin Resources Limited, from November 3 to December 5, 1995, over three survey blocks located near Wolverine Lake, Yukon. The survey area can be located on NTS map sheets 105G/1,7,8,9 and 105H/5,12 (see Figures 1 through 3).

Survey coverage consisted of approximately 3660 line-km, including tie lines. Refer to Table 1-1 for a breakdown of line-km, flight line spacing and azimuthal line direction for each area.

Table 1-1

Block	Flight Line Direction	Line Spacing (m)	Survey Line-km	Tie Line-km
Rope, Foot, Nail and Hang Claims	35°/215°	200	3010	123
Pak Claims	30°/210°	200	132	11
Ty Claims	0°/180°	100	367	17
TOTAL			3509	151

The survey employed the DIGHEM^V electromagnetic system. Ancillary equipment consisted of a magnetometer, radar altimeter, video camera, analog and digital recorders,

a VLF receiver and an electronic navigation system. The instrumentation was installed in an Aerospatiale AS350B turbine helicopter (Registration C-FSWI) which was provided by Hi-Wood Helicopters Ltd. The helicopter flew at an average airspeed of 110 km/h with an EM bird height of approximately 30 m.

Section 2 provides details on the survey equipment, the data channels, their respective sensitivities, and the navigation/flight path recovery procedure. Noise levels of less than 2 ppm are generally maintained for wind speeds up to 35 km/h. Higher winds may cause the system to be grounded because excessive bird swinging produces difficulties in flying the helicopter. The swinging results from the 5 m^2 of area which is presented by the bird to broadside gusts.

In some portions of the survey area, the steep topography forced the pilot to exceed normal terrain clearance for reasons of safety. It is possible that some weak conductors may have escaped detection in areas where the bird height exceeded 120 m. In difficult areas where near-vertical climbs were necessary, the forward speed of the helicopter was reduced to a level which permitted excessive bird swinging. This problem, combined with the severe stresses to which the bird was subjected, gave rise to aerodynamic noise levels which are slightly higher than normal. Where warranted, reflights were carried out to minimize these adverse effects.

SURVEY EQUIPMENT

This section provides a brief description of the geophysical instruments used to acquire the survey data:

Electromagnetic System

Model:	DIGHEM^V
Type:	Towed bird, symmetric dipole configuration operated at a nominal survey altitude of 30 metres. Coil separation is 8 metres for 900 Hz, 5500 Hz and 7200 Hz, and 6.3 metres for the 56,000 Hz coil-pair.
Coil orientations/frequencies:	coaxial / 900 Hz coplanar / 900 Hz coaxial / 5,500 Hz coplanar / 7,200 Hz coplanar / 56,000 Hz
Channels recorded:	5 inphase channels 5 quadrature channels 2 monitor channels
Sensitivity:	0.06 ppm at 900 Hz 0.10 ppm at 5,500 Hz 0.10 ppm at 7,200 Hz 0.30 ppm at 56,000 Hz
Sample rate:	10 per second

The electromagnetic system utilizes a multi-coil coaxial/coplanar technique to energize conductors in different directions. The coaxial coils are vertical with their axes

in the flight direction. The coplanar coils are horizontal. The secondary fields are sensed simultaneously by means of receiver coils which are maximum coupled to their respective transmitter coils. The system yields an inphase and a quadrature channel from each transmitter-receiver coil-pair.

Magnetometer

Model:	Picodas 3340
Type:	Optically pumped Cesium vapour
Sensitivity:	0.01 nT
Sample rate:	10 per second

The magnetometer sensor is towed in a bird 20 m below the helicopter.

Magnetic Base Station

Model:	GEM System Inc.
Type:	Digital recording proton precession
Sensitivity:	0.02 nT
Sample rate:	3 per second

A digital recorder is operated in conjunction with the base station magnetometer to record the diurnal variations of the earth's magnetic field. The clock of the base station is synchronized with that of the airborne system to permit subsequent removal of diurnal drift.

VLF System

Manufacturer:	Herz Industries Ltd.	
Type:	Totem-2A	
Sensitivity:	0.1%	
Stations:	Annapolis, Maryland;	NSS, 21.4 kHz
	Cutler, Maine;	NAA, 24.0 kHz
	Lualualei, Hawaii;	NPM, 23.4 kHz

The VLF receiver measures the total field and vertical quadrature components of the secondary VLF field. Signals from two separate transmitters can be measured simultaneously. The VLF sensor is housed in the same bird as the magnetic sensor, and is towed 20 m below the helicopter.

Radar Altimeter

Manufacturer:	Honeywell/Sperry
Type:	AA 220
Sensitivity:	0.3 m

The radar altimeter measures the vertical distance between the helicopter and the ground. This information is used in the processing algorithm which determines conductor depth.

Analog Recorder

Manufacturer:	RMS Instruments
Type:	DGR33 dot-matrix graphics recorder
Resolution:	4x4 dots/mm
Speed:	1.5 mm/sec

The analog profiles are recorded on chart paper in the aircraft during the survey. Table 2-1 lists the geophysical data channels and the vertical scale of each profile.

Table 2-1. The Analog Profiles

Channel Name	Parameter	Scale units/mm	Designation on digital profile
1X9I	coaxial inphase (900 Hz)	2.5 ppm	CXI (900 Hz)
1X9Q	coaxial quad (900 Hz)	2.5 ppm	CXQ (900 Hz)
3P9I	coplanar inphase (900 Hz)	2.5 ppm	CPI (900 Hz)
3P9Q	coplanar quad (900 Hz)	2.5 ppm	CPQ (900 Hz)
2P7I	coplanar inphase (7200 Hz)	5 ppm	CPI (7200 Hz)
2P7Q	coplanar quad (7200 Hz)	5 ppm	CPQ (7200 Hz)
4X7I	coaxial inphase (5500 Hz)	5 ppm	CXI (5500 Hz)
4X7Q	coaxial quad (5500 Hz)	5 ppm	CXQ (5500 Hz)
5P5I	coplanar inphase(56000 Hz)	10 ppm	CPI (56 kHz)
5P5Q	coplanar quad (56000 Hz)	10 ppm	CPQ (56 kHz)
ALTR	altimeter	3 m	ALT
CMGC	magnetics, coarse	20 nT	MAG
CMGF	magnetics, fine	2.0 nT	
VF1T	VLF-total: primary stn.	2%	
VF1Q	VLF-quad: primary stn.	2%	
VF2T	VLF-total: secondary stn.	2%	
VF2Q	VLF-quad: secondary stn.	2%	
CXSP	coaxial sferics monitor		CXS
CPSP	coplanar sferics monitor		CPS
CXPL	coaxial powerline monitor		CXP
CPPL	coplanar powerline monitor		CPP

Table 2-2. The Digital Profiles

Channel Name (Freq)	Observed parameters	Scale units/mm
MAG	magnetics, fine	5 nT
MAG	magnetics, coarse	50 nT
ALT	bird height	6 m
CXI (900 Hz)	vertical coaxial coil-pair inphase	2 ppm
CXQ (900 Hz)	vertical coaxial coil-pair quadrature	2 ppm
CPI (900 Hz)	horizontal coplanar coil-pair inphase	2 ppm
CPQ (900 Hz)	horizontal coplanar coil-pair quadrature	2 ppm
CXI (5500 Hz)	vertical coaxial coil-pair inphase	4 ppm
CXQ (5500 Hz)	vertical coaxial coil-pair quadrature	4 ppm
CPI (7200 Hz)	horizontal coplanar coil-pair inphase	4 ppm
CPQ (7200 Hz)	horizontal coplanar coil-pair quadrature	4 ppm
CPI (56 kHz)	horizontal coplanar coil-pair inphase	10 ppm
CPQ (56 kHz)	horizontal coplanar coil-pair quadrature	10 ppm
CXS	coaxial sferics monitor	
CXP	coaxial powerline monitor	
CPS	coplanar sferics monitor	
	Computed Parameters	
DFI (900 Hz)	difference function inphase from CXI and CPI	2 ppm
DFQ (900 Hz)	difference function quadrature from CXQ and CPQ	2 ppm
RES (900 Hz)	log resistivity	.06 decade
RES (7200 Hz)	log resistivity	.06 decade
RES (56 kHz)	log resistivity	.06 decade
DP (900 Hz)	apparent depth	6 m
DP (7200 Hz)	apparent depth	6 m
DP (56 kHz)	apparent depth	6 m
CDT	conductance	1 grade

Digital Data Acquisition System

Manufacturer: RMS Instruments

Model: DGR 33

Recorder: RMS TCR-12, 6400 bpi, tape cartridge recorder

The digital data are used to generate several computed parameters. Both measured and computed parameters are plotted as "multi-channel stacked profiles" during data processing. These parameters are shown in Table 2-2. In Table 2-2, the log resistivity scale of 0.06 decade/mm means that the resistivity changes by an order of magnitude in 16.6 mm. The resistivities at 0, 33 and 67 mm up from the bottom of the digital profile are respectively 1, 100 and 10,000 ohm-m.

Tracking Camera

Type: Panasonic Video

Model: AG 2400/WVCD132

Fiducial numbers are recorded continuously and are displayed on the margin of each image. This procedure ensures accurate correlation of analog and digital data with respect to visible features on the ground.

Navigation System (RT-DGPS)

Model:	Sercel NR106, Real-time differential positioning
Type:	SPS (L1 band), 10-channel, C/A code, 1575.42 MHz.
Sensitivity:	-132 dBm, 0.5 second update
Accuracy:	< 5 metres in differential mode, ± 50 metres in S/A (non differential) mode

The Global Positioning System (GPS) is a line of sight, satellite navigation system which utilizes time-coded signals from at least four of the twenty-four NAVSTAR satellites. In the differential mode, two GPS receivers are used. The base station unit is used as a reference which transmits real-time corrections to the mobile unit in the aircraft, via a UHF radio datalink. The on-board system calculates the flight path of the helicopter while providing real-time guidance. The raw XYZ data are recorded for both receivers, thereby permitting post-survey processing for accuracies of approximately 5 metres.

Although the base station receiver is able to calculate its own latitude and longitude, a higher degree of accuracy can be obtained if the reference unit is established on a known benchmark or triangulation point. The GPS records data relative to the WGS84 ellipsoid, which is the basis of the revised North American Datum (NAD83).

Conversion software is used to transform the WGS84 coordinates to the system displayed on the base maps.

Field Workstation

Manufacturer:	Dighem
Model:	FWS: V2.71
Type:	Pentium based P.C.

A portable PC-based field workstation is used at the survey base to verify data quality and completeness. Flight tapes are dumped to a hard drive to permit the creation of a database. This process allows the field operators to display both the positional (flight path) and geophysical data on a screen or printer.

PRODUCTS AND PROCESSING TECHNIQUES

The following products are available from the survey data. Those which are not part of the survey contract may be acquired later. Refer to Table 3-1 for a summary of the maps which accompany this report, some of which may be sent under separate cover. Most parameters can be displayed as contours, profiles, or in colour.

Base Maps

Base maps of the survey areas have been produced from published topographic maps. These provide a relatively accurate, distortion-free base which facilitates correlation of the navigation data to the UTM grid. Photomosaics are useful for visual reference and for subsequent flight path recovery, but usually contain scale distortions. Orthophotos are ideal, but their cost and the time required to produce them, usually precludes their use as base maps.

Electromagnetic Anomalies

Anomalous electromagnetic responses are selected and analysed by computer to provide a preliminary electromagnetic anomaly map. This preliminary map is used, by the geophysicist, in conjunction with the computer-generated digital profiles, to produce

Table 3-1 Survey Products

1. Preliminary Colour Products @ 1:20,000

   EM anomalies with 5500 Hz coaxial profiles
   Total field magnetic contours
   Resistivity (7200 Hz) contours

2. Final Transparent Maps (+3 prints)

   Dighem EM anomalies
   Total field magnetic contours
   Calculated vertical magnetic gradient contours
   Resistivity (900 Hz) contours for Foot/Rope/Hang/Nail Claims
   Resistivity (7200 Hz) contours for all survey blocks
   Resistivity (56,000 Hz) contours for Pak and Ty Claims
   Filtered total field VLF contours

3. Colour Maps (2 sets)

   Total field magnetics
   Calculated vertical magnetic gradient
   Resistivity (900 Hz) for Foot/Rope/Hang/Nail Claims
   Resistivity (7200 Hz) for all survey blocks
   Resistivity (56,000 Hz) for Pak and Ty Claims
   Filtered total field VLF

4. Additional Products

   Digital XYZ archive in Geosoft format (CD-ROM)
   Digital grid archives in I-POWER format (CD-ROM)
   Survey report (3 copies)
   Multi-channel stacked profiles
   Analog chart records
   Flight path video cassettes
   VISION software package

Note: Other products can be produced from existing survey data, if requested. Maps for the Pak and Ty Claims were presented at 1:10,000 and maps for Foot/Rope/Hang/Nail Claims were presented at 1:20,000.

the final interpreted EM anomaly map. This map includes bedrock surficial and cultural conductors. A map containing only bedrock conductors can be generated, if desired.

Resistivity

The apparent resistivity data were calculated using the pseudo-layer half-space model. The inputs to this resistivity algorithm are the amplitude and phase of the EM response. The algorithm calculates the apparent resistivity in ohm-m and the apparent height of the EM bird above the half-space. Any differences between the apparent height and the radar altimeter are ascribed to a highly resistive upper layer, or pseudo-layer. Errors in the radar altimeter will not affect the resistivity calculation as altitude is not an input parameter for the pseudo-layer half-space model. Apparent resistivities calculated in this manner may behave quite differently from those calculated using other models.

A resistivity map portrays all the EM information for that frequency over the entire survey area. This contrasts with the electromagnetic anomaly map which provides information only over interpreted conductors. The large dynamic range makes the resistivity parameter an excellent mapping tool.

EM Magnetite

The apparent percent magnetite by weight is computed wherever magnetite produces a negative inphase EM response. This calculation is more meaningful in resistive areas.

Total Field Magnetics

The aeromagnetic data are corrected for diurnal variation using the magnetic base station data. The regional IGRF can be removed from the data, if requested.

Enhanced Magnetics

The total field magnetic data are subjected to a processing algorithm. This algorithm enhances the response of magnetic bodies in the upper 500 m and attenuates the response of deeper bodies. The resulting enhanced magnetic map provides better definition and resolution of near-surface magnetic units. It also identifies weak magnetic features which may not be evident on the total field magnetic map. However, regional magnetic variations, and magnetic lows caused by remanence, are better defined on the total field magnetic map. The technique is described in more detail in Section 5.

Magnetic Derivatives

The total field magnetic data may be subjected to a variety of filtering techniques to yield maps of the following:

first vertical derivative (vertical gradient)

second vertical derivative

magnetic susceptibility with reduction to the pole

upward/downward continuations

All of these filtering techniques improve the recognition of near-surface magnetic bodies, with the exception of upward continuation. Any of these parameters can be produced on request. Dighem's proprietary enhanced magnetic technique is designed to provide a general "all-purpose" map, combining the more useful features of the above parameters.

VLF

The VLF data are digitally filtered to remove long wavelengths such as those caused by variations in the transmitted field strength.

Multi-channel Stacked Profiles

Distance-based profiles of the digitally recorded geophysical data are generated and plotted by computer. These profiles also contain the calculated parameters which are used in the interpretation process. These are produced as worksheets prior to interpretation, and can also be presented in the final corrected form after interpretation. The profiles display electromagnetic anomalies with their respective interpretive symbols.

Contour, Colour and Shadow Map Displays

The geophysical data are interpolated onto a regular grid using a modified Akima spline technique. The resulting grid is suitable for generating contour maps of excellent quality. The grid cell size is usually 25% of the line interval.

Colour maps are produced by interpolating the grid down to the pixel size. The parameter is then incremented with respect to specific amplitude ranges to provide colour "contour" maps. Colour maps of the total magnetic field are particularly useful in defining the lithology of the survey area.

Monochromatic shadow maps are generated by employing an artificial sun to cast shadows on a surface defined by the geophysical grid. There are many variations in the

shadowing technique. These techniques may be applied to total field or enhanced magnetic data, magnetic derivatives, VLF, resistivity, etc. The shadow of the enhanced magnetic parameter is particularly suited for defining geological structures with crisper images and improved resolution.

Conductivity-depth Sections

The apparent resistivities for all frequencies can be displayed simultaneously as coloured conductivity-depth sections. Usually, only the coplanar data are displayed as the quality tends to be higher than that of the coaxial data.

Conductivity-depth sections can be generated in two formats:

(1) Sengpiel resistivity sections, where the apparent resistivity for each frequency is plotted at the depth of the centroid of the inphase current flow[1]; and,

(2) Differential resistivity sections, where the differential resistivity is plotted at the differential depth[2].

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1 Approximate Inversion of Airborne EM Data from Multilayered Ground: Sengpiel, K.P., Geophysical Prospecting 36, 446-459, 1988.

2 The differential parameter method for multifrequency airborne resistivity mapping: Huang, H. and Fraser, D.C., Geophysics, Vol. 61, No. 1, p.100-109.

Both the Sengpiel and differential methods are derived from the pseudo-layer halfspace model. Both yield a coloured conductivity-depth section which attempts to portray a smoothed approximation of the true resistivity distribution with depth. Conductivity-depth sections are most useful in conductive layered situations, but may be unreliable in areas of moderate to high resistivity where signal amplitudes are weak. In areas where inphase responses have been suppressed by the effects of magnetite, the computed resistivities shown on the sections may be unreliable. The differential resistivity technique was developed by Dighem. It is more sensitive than the Sengpiel section to changes in the earth's resistivity and it reaches deeper.

SURVEY RESULTS

GENERAL DISCUSSION

Tables 4-1 through 4-3 summarize the EM responses in the survey areas, with respect to conductance grade and interpretation.

The anomalies shown on the electromagnetic anomaly maps are based on a near-vertical, half plane model. This model best reflects "discrete" bedrock conductors. Wide bedrock conductors or flat-lying conductive units, whether from surficial or bedrock sources, may give rise to very broad anomalous responses on the EM profiles. These may not appear on the electromagnetic anomaly map if they have a regional character rather than a locally anomalous character. These broad conductors, which more closely approximate a half space model, will be maximum coupled to the horizontal (coplanar) coil-pair and should be more evident on the resistivity parameter. Resistivity maps, therefore, may be more valuable than the electromagnetic anomaly maps, in areas where broad or flat-lying conductors are considered to be of importance.

TABLE 4-3

EM ANOMALY STATISTICS

TY CLAIMS
WOLVERINE LAKE PROJECT, B.C.

CONDUCTOR GRADE	CONDUCTANCE RANGE SIEMENS (MHOS)	NUMBER OF RESPONSES
7	>100	0
6	50 - 100	0
5	20 - 50	0
4	10 - 20	0
3	5 - 10	0
2	1 - 5	18
1	<1	12
*	INDETERMINATE	51
TOTAL		81

CONDUCTOR MODEL	MOST LIKELY SOURCE	NUMBER OF RESPONSES
D	DISCRETE BEDROCK CONDUCTOR	16
B	DISCRETE BEDROCK CONDUCTOR	7
S	CONDUCTIVE COVER	57
H	ROCK UNIT OR THICK COVER	1
TOTAL		81

(SEE EM MAP LEGEND FOR EXPLANATIONS)

Excellent resolution and discrimination of conductors was accomplished by using a fast sampling rate of 0.1 sec and by employing a common frequency (900 Hz) on two orthogonal coil-pairs (coaxial and coplanar). The resulting "difference channel" parameters often permit differentiation of bedrock and surficial conductors, even though they may exhibit similar conductance values.

Anomalies which occur near the ends of the survey lines (i.e., outside the survey area), should be viewed with caution. Some of the weaker anomalies could be due to aerodynamic noise, i.e., bird bending, which is created by abnormal stresses to which the bird is subjected during the climb and turn of the aircraft between lines. Such aerodynamic noise is usually manifested by an anomaly on the coaxial inphase channel only, although severe stresses can affect the coplanar inphase channels as well.

Magnetics

A GSM-19T magnetometer was operated at the survey base to record diurnal variations of the earth's magnetic field. The clock of the base station was synchronized with that of the airborne system to permit subsequent removal of diurnal drift.

The background magnetic level has been adjusted to match the International Geomagnetic Reference Field (IGRF) for the survey area. The IGRF gradient across the survey block is left intact.

The total field magnetic data have been presented as contours on the base maps. These maps show the magnetic properties of the rock units underlying the survey area.

The total field magnetic data have been subjected to a processing algorithm to produce first vertical magnetic derivative maps. This procedure enhances near-surface magnetic units and suppresses regional gradients. It also provides better definition and resolution of magnetic units and displays weak magnetic features which may not be clearly evident on the total field maps. Maps of the second vertical magnetic derivative can also be prepared from existing survey data, if requested.

There is some evidence on the magnetic maps which suggests that the survey areas have been subjected to deformation and/or alteration. These structural complexities are evident on the contour maps as variations in magnetic intensity, irregular patterns, and as offsets or changes in strike direction.

If a specific magnetic intensity can be assigned to the rock type which is believed to host the target mineralization, it may be possible to select areas of higher priority on the basis of the total field magnetic data. This is based on the assumption that the magnetite content of the host rocks will give rise to a limited range of contour values which will permit differentiation of various lithological units.

The magnetic results, in conjunction with the other geophysical parameters, should provide valuable information which can be used to effectively map the geology and structure in the survey areas.

VLF

VLF results were obtained from the transmitting stations at Cutler, Maine (NAA - 24.0 kHz), Annapolis, Maryland (NSS - 21.4 kHz) and Lualualei, Hawaii (NPM - 23.4 kHz). The VLF maps show the contoured results of the filtered total field from Cutler. On flights 8-10 and 16-18, data from Lualualei were presented.

The VLF method is quite sensitive to the angle of coupling between the conductor and the propagated EM field. Consequently, conductors which strike towards the VLF station will usually yield a stronger response than conductors which are nearly orthogonal to it.

The VLF parameter does not normally provide the same degree of resolution available from the EM data. Closely-spaced conductors, conductors of short strike length or conductors which are poorly coupled to the VLF field, may escape detection with this method. Erratic signals from the VLF transmitters can also give rise to strong, isolated anomalies which should be viewed with caution. The filtered total field VLF contours are presented with a contour interval of one percent.

Resistivity

Resistivity maps, which display the conductive properties of the survey area, were produced from the 900 Hz, 7200 Hz and 56,000 Hz coplanar data. The maximum resistivity values, which are calculated for each frequency, are 1,000, 8,000 and 20,000 ohm-m respectively. These cutoffs eliminate the meaningless higher resistivities which would result from very small EM amplitudes. The minimum resistivity value is 0.000017 times the frequency. This minimum resistivity cutoff eliminates errors due to the lack of an absolute phase control for the EM data.

Electromagnetics

The EM anomalies resulting from this survey appear to fall within one of two general categories. The first type consists of discrete, well-defined anomalies which yield marked inflections on the difference channels. These anomalies are usually attributed to conductive sulphides or graphite and are generally given a "B" or "D" interpretive symbol, denoting a bedrock source.

The second class of anomalies comprises moderately broad responses which exhibit the characteristics of a half space and do not yield well-defined inflections on the difference channels. Anomalies in this category are usually given an "S" or "H"

interpretive symbol. The lack of a difference channel response usually implies a broad or flat-lying conductive source such as overburden. Some of these anomalies may reflect conductive rock units or zones of deep weathering.

The effects of conductive overburden are evident over portions of the survey area. Although the difference channels (DFI and DFQ) are extremely valuable in detecting bedrock conductors which are partially masked by conductive overburden, sharp undulations in the bedrock/overburden interface can yield anomalies in the difference channels which may be interpreted as possible bedrock conductors. Such anomalies usually fall into the "S?" or "B?" classification but may also be given an "E" interpretive symbol, denoting a resistivity contrast at the edge of a conductive unit.

In areas where EM responses are evident primarily on the quadrature components, zones of poor conductivity are indicated. Where these responses are coincident with magnetic anomalies, it is possible that the inphase component amplitudes have been suppressed by the effects of magnetite. Most of these poorly-conductive magnetic features give rise to resistivity anomalies which are only slightly below background. If it is expected that poorly-conductive economic mineralization may be associated with magnetite-rich units, most of these weakly anomalous features will be of interest. In areas where magnetite causes the inphase components to become negative, the apparent conductance and depth of EM anomalies may be unreliable.

It is difficult to assess the relative merits of EM anomalies on the basis of conductance. It is recommended that an attempt be made to compile a suite of geophysical "signatures" over areas of interest. Anomaly characteristics are clearly defined on the computer-processed geophysical data profiles which are supplied as one of the survey products.

The electromagnetic anomaly maps show the anomaly locations with the interpreted conductor type, dip, conductance and depth being indicated by symbols. Direct magnetic correlation is also shown if it exists. The strike direction and length of the conductors are indicated when anomalies can be correlated from line to line. When studying the map sheets, consult the anomaly listings appended to this report.

In areas where several conductors or conductive trends appear to be related to a common geological unit, these have been outlined as "zones" on the EM anomaly maps. The zone outlines usually approximate the limits of conductive units defined by the 7200 Hz resistivity contours.

A complete assessment and evaluation of the survey data should be carried out by one or more qualified professionals who have access to, and can provide a meaningful compilation of, all available geophysical, geological and geochemical data.

Zone A reveals a broad conductive source with calculated resistivities as low as 150 ohm-m. This zone is best defined on the 7200 Hz coplanar data and the 900 Hz coplanar data. This response is typical of a thick, flat-lying, broad conductive unit at depth. This zone is located within a magnetic low.

Zone B is not as conductive as Zone A, displaying a low of approximately 400 ohm-m. Four discrete EM anomalies have been identified within the zone. All are poorly defined and, as a result, a "B?" or "D?" interpretive symbol was used. This zone is located in between two magnetic highs to the east and west.

Ty Claims

The background resistivities are in the range of 4000 to 6000 ohm-m. With such a resistive area, the 56,000 Hz resistivity data were chosen over the 900 Hz resistivity data to present as a contour map since the 900 Hz data displayed little information.

The rugged terrain of the survey area resulted in higher than normal flying in some areas. This, along with the highly resistive ground, resulted in low EM signals in areas where the height of the EM bird was greater than 80 metres. This situation occurred on every other line over small areas within the survey block based on a combination of the wind direction, flight line direction and the terrain. These "low signal areas" are typically very short, covering only 200 to 500 metres along the survey

line. The resulting resistivity maps were adversely affected, as the low EM signal resulted in erroneously high resistivity calculations.

To improve the resistivity maps by allowing for better line to line correlation of the resistivity data, the calculated resistivity data for a few lines were not used in the gridding process. This was done only in areas of low EM signals and a bird height of greater than 80 metres. The following lines had short segments of resistivity data nulled: 40240, 40290, 40300, 40330, 40370, and lines 40640-40750. During the gridding procedures, the nulled resistivity data values were splined through using an Akima spline. This processing method improved the overall quality of the resistivity maps by allowing for more line to line correlation of the conductive trends. This method did not remove any of the recorded EM data.

The magnetic data displays a dynamic range of only 175 nT over the entire survey block. The magnetic background of the survey area is in the range of 58,160 nT up to 58,190 nT. The remaining areas of high magnetic amplitudes are confined to three areas centered near line 40261, fiducial 1366, line 40330, fiducial 4181, and line 40400, fiducial 3648.

The magnetic high centered near line 40261, fiducial 1366 reveals an amplitude of approximately 160 nT above background. There is some coincident conductivity as displayed on the resistivity maps, although the conductivity appears more related to a

surficial source than a bedrock source. Anomalies 40261A and 40270A are located close to this magnetic anomaly and are both broad and poorly defined. Anomaly 40261A exhibits a broad, poorly defined peak on the coaxial 5500 inphase data and a poorly defined trough on the 7200 Hz and 56,000 Hz coplanar data. This response is typical of a thin, weakly conductive source. Due to the poorly defined EM shapes and the magnetic anomaly within the area, an "S?" interpretive symbol was given to this response.

There are four other discrete EM anomalies that are located close to this magnetic unit that may be of interest. The first two anomalies, 40240B and 40280A, are both located along the southern extent of this magnetic unit. Both are indicative of a thin dyke-like source. Anomaly 40240B is much stronger and better defined with some depth to the source indicated. The third anomaly, 40290A, is located on the northern periphery of this magnetic unit along an approximate trending northeast/southwest magnetic extension. It displays a broad response with a strong inphase component, particularly on the 900 Hz coplanar data. This suggests a broad or flat-lying conductive sheet. Depths of 40 to 50 metres and some magnetic correlation is indicated. The fourth anomaly, 40330B, is located near the northern edge of the survey area. It yields a strong, well-defined response typical of a thin dyke-like source. It is located within a magnetic low.

The second magnetic high is centered near line 40330, fiducial 4181. It is elongated in an approximately northeast/southwest trend and yields a magnetic amplitude of over 58,300 nT. There does not appear to have been any conductivity associated with this unit.

The third magnetically active area is centered near line 40400, fiducial 3648. The total field magnetic contour patterns and the calculated vertical gradient contour patterns display several offsets and breaks which suggests the area is structurally and/or lithologically complex. This magnetic unit reveals a general northeast/southwest trend. It is truncated in the east by a magnetic contact extending from approximately the end of line 40590 to line 40430, fiducial 4416.

There are several other isolated magnetic highs within the survey area that may be of interest. Three of the more predominate magnetic highs are located at line 40050, fiducial 2183; line 40390, fiducial 3389; and line 40800, fiducial 857. All of these highs are only 15 to 20 nT above background, with little conductivity associated with them.

Zone A yields resistivities as low as 80 ohm-m. The zone is generally more conductive on the 7200 Hz resistivity maps than on the 56,000 Hz resistivity map. The EM channels reveal a broad conductive zone with a strong inphase component. Anomaly 40730A displays a strong coplanar inphase response, particularly on the 7200 Hz channels. It was given an "H?" interpretive symbol due to its broad response and some

depth indicated. There are no well-defined EM responses within this zone. This zone occurs within a magnetically low area.

Zone B is not as conductive as Zone A, displaying resistivities as low as 200 ohm-m. It is also located within a non-magnetic area. Four conductors have been identified within Zone B. Conductor 40560A-40570A, located at the western extent of the zone, displays a broad but moderately well-defined response with depth indicated. This conductor is indicative of a thin dyke-like source. The second conductor, 40580B-40590B, yields a poorly-defined shape with a strong 7200 Hz coplanar component. The third conductor, 40580A-40620A, yields a typical response due to a thin source. It is moderately well-defined on the higher frequencies and has a more obscured response on the 900 Hz coplanar and coaxial channels. Some depth is indicated to this conductive source. The fourth conductor, 40631A-40660A, displays a broad response typical of a flat-lying conductive unit. None of these four conductors display any magnetic correlation.

Foot/Rope/Hang/Nail Claims

The large survey block was presented on six base maps. Numerous bedrock EM anomalies have been interpreted. The majority of these anomalies have conductances of less than 10 siemens except within areas that have been outlined as zones on the EM anomaly maps. Some anomalies have been joined by conductor axes where line to line

BACKGROUND INFORMATION

This section provides background information on parameters which are available from the survey data. Those which have not been supplied as survey products may be generated later from raw data on the digital archive tape.

ELECTROMAGNETICS

DIGHEM electromagnetic responses fall into two general classes, discrete and broad. The discrete class consists of sharp, well-defined anomalies from discrete conductors such as sulfide lenses and steeply dipping sheets of graphite and sulfides. The broad class consists of wide anomalies from conductors having a large horizontal surface such as flatly dipping graphite or sulfide sheets, saline water-saturated sedimentary formations, conductive overburden and rock, and geothermal zones. A vertical conductive slab with a width of 200 m would straddle these two classes.

The vertical sheet (half plane) is the most common model used for the analysis of discrete conductors. All anomalies plotted on the electromagnetic map are analyzed according to this model. The following section entitled **Discrete Conductor Analysis** describes this model in detail, including the effect of using it on anomalies caused by broad conductors such as conductive overburden.

The conductive earth (half space) model is suitable for broad conductors. Resistivity contour maps result from the use of this model. A later section entitled **Resistivity Mapping** describes the method further, including the effect of using it on anomalies caused by discrete conductors such as sulfide bodies.

Geometric interpretation

The geophysical interpreter attempts to determine the geometric shape and dip of the conductor. Figure 5-1 shows typical DIGHEM anomaly shapes which are used to guide the geometric interpretation.

Discrete conductor analysis

The EM anomalies appearing on the electromagnetic map are analyzed by computer to give the conductance (i.e., conductivity-thickness product) in Siemens (mhos) of a vertical sheet model. This is done regardless of the interpreted geometric shape of the conductor. This is not an unreasonable procedure, because the computed conductance increases as the electrical quality of the conductor increases, regardless of its true shape. DIGHEM anomalies are divided into seven grades of conductance, as shown in Table 5-1 below. The conductance in Siemens (mhos) is the reciprocal of resistance in ohms.

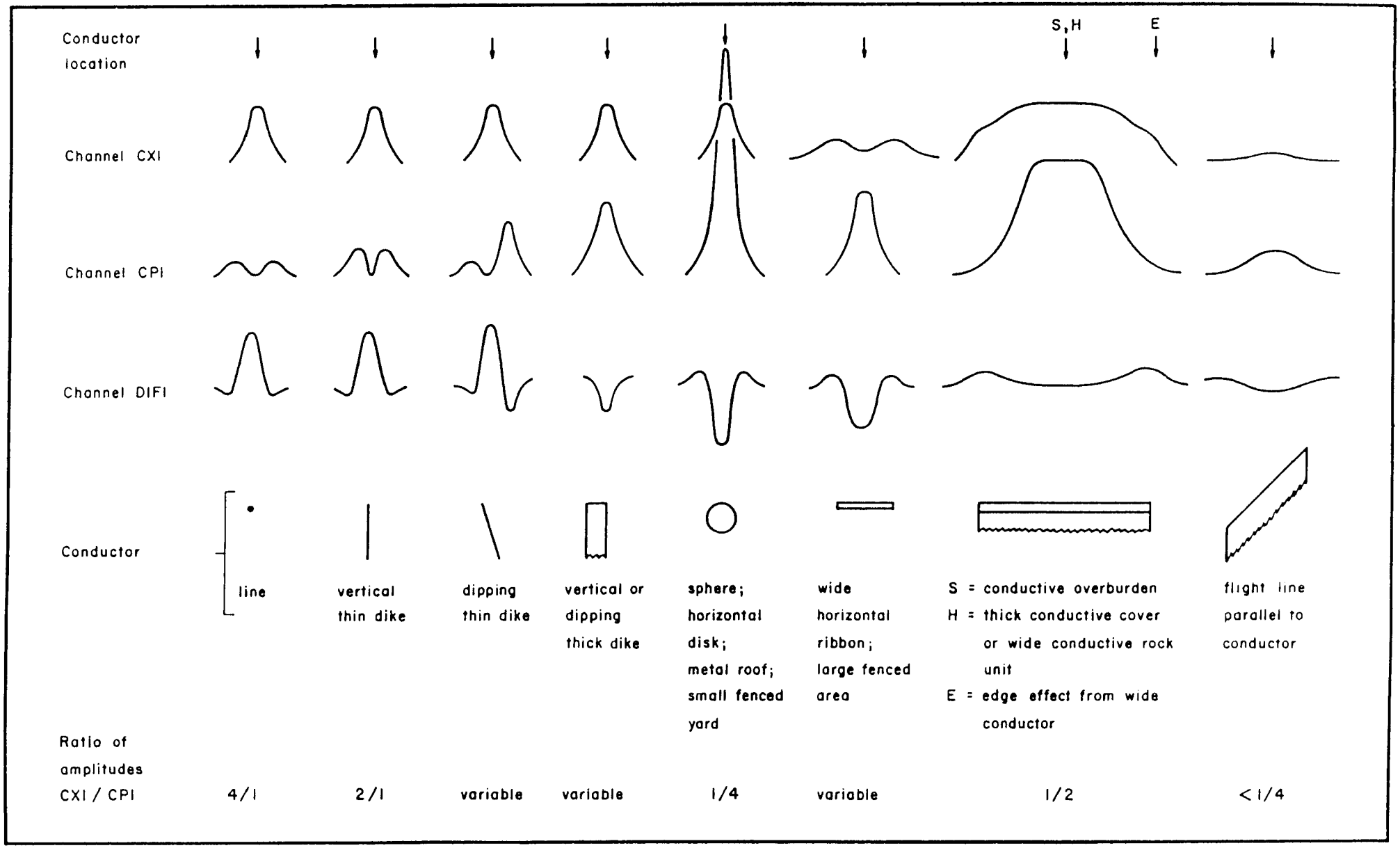

Fig. 5-1 Typical DIGHEM anomaly shapes

Table 5-1. EM Anomaly Grades

Anomaly Grade	Siemens
7	> 100
6	50 - 100
5	20 - 50
4	10 - 20
3	5 - 10
2	1 - 5
1	< 1

The conductance value is a geological parameter because it is a characteristic of the conductor alone. It generally is independent of frequency, flying height or depth of burial, apart from the averaging over a greater portion of the conductor as height increases. Small anomalies from deeply buried strong conductors are not confused with small anomalies from shallow weak conductors because the former will have larger conductance values.

Conductive overburden generally produces broad EM responses which may not be shown as anomalies on the EM maps. However, patchy conductive overburden in otherwise resistive areas can yield discrete anomalies with a conductance grade (cf. Table 5-1) of 1, 2 or even 3 for conducting clays which have resistivities as low as 50 ohm-m. In areas where ground resistivities are below 10 ohm-m, anomalies caused by weathering variations and similar causes can have any conductance grade. The anomaly shapes from the multiple coils often allow such conductors to be recognized, and these are indicated by the letters S, H, and sometimes E on the electromagnetic anomaly map (see EM map legend).

For bedrock conductors, the higher anomaly grades indicate increasingly higher conductances. Examples: DIGHEM's New Insco copper discovery (Noranda, Canada) yielded a grade 5 anomaly, as did the neighbouring copper-zinc Magusi River ore body; Mattabi (copper-zinc, Sturgeon Lake, Canada) and Whistle (nickel, Sudbury, Canada) gave grade 6; and DIGHEM's Montcalm nickel-copper discovery (Timmins, Canada) yielded a grade 7 anomaly. Graphite and sulfides can span all grades but, in any particular survey area, field work may show that the different grades indicate different types of conductors.

Strong conductors (i.e., grades 6 and 7) are characteristic of massive sulfides or graphite. Moderate conductors (grades 4 and 5) typically reflect graphite or sulfides of a less massive character, while weak bedrock conductors (grades 1 to 3) can signify poorly connected graphite or heavily disseminated sulfides. Grades 1 and 2 conductors may not respond to ground EM equipment using frequencies less than 2000 Hz.

The presence of sphalerite or gangue can result in ore deposits having weak to moderate conductances. As an example, the three million ton lead-zinc deposit of Restigouche Mining Corporation near Bathurst, Canada, yielded a well-defined grade 2 conductor. The 10 percent by volume of sphalerite occurs as a coating around the fine grained massive pyrite, thereby inhibiting electrical conduction.

Faults, fractures and shear zones may produce anomalies which typically have low conductances (e.g., grades 1 to 3). Conductive rock formations can yield anomalies of any

conductance grade. The conductive materials in such rock formations can be salt water, weathered products such as clays, original depositional clays, and carbonaceous material.

On the interpreted electromagnetic map, a letter identifier and an interpretive symbol are plotted beside the EM grade symbol. The horizontal rows of dots, under the interpretive symbol, indicate the anomaly amplitude on the flight record. The vertical column of dots, under the anomaly letter, gives the estimated depth. In areas where anomalies are crowded, the letter identifiers, interpretive symbols and dots may be obliterated. The EM grade symbols, however, will always be discernible, and the obliterated information can be obtained from the anomaly listing appended to this report.

The purpose of indicating the anomaly amplitude by dots is to provide an estimate of the reliability of the conductance calculation. Thus, a conductance value obtained from a large ppm anomaly (3 or 4 dots) will tend to be accurate whereas one obtained from a small ppm anomaly (no dots) could be quite inaccurate. The absence of amplitude dots indicates that the anomaly from the coaxial coil-pair is 5 ppm or less on both the inphase and quadrature channels. Such small anomalies could reflect a weak conductor at the surface or a stronger conductor at depth. The conductance grade and depth estimate illustrates which of these possibilities fits the recorded data best.

Flight line deviations occasionally yield cases where two anomalies, having similar conductance values but dramatically different depth estimates, occur close together on the same

conductor. Such examples illustrate the reliability of the conductance measurement while showing that the depth estimate can be unreliable. There are a number of factors which can produce an error in the depth estimate, including the averaging of topographic variations by the altimeter, overlying conductive overburden, and the location and attitude of the conductor relative to the flight line. Conductor location and attitude can provide an erroneous depth estimate because the stronger part of the conductor may be deeper or to one side of the flight line, or because it has a shallow dip. A heavy tree cover can also produce errors in depth estimates. This is because the depth estimate is computed as the distance of bird from conductor, minus the altimeter reading. The altimeter can lock onto the top of a dense forest canopy. This situation yields an erroneously large depth estimate but does not affect the conductance estimate.

Dip symbols are used to indicate the direction of dip of conductors. These symbols are used only when the anomaly shapes are unambiguous, which usually requires a fairly resistive environment.

A further interpretation is presented on the EM map by means of the line-to-line correlation of anomalies, which is based on a comparison of anomaly shapes on adjacent lines. This provides conductor axes which may define the geological structure over portions of the survey area. The absence of conductor axes in an area implies that anomalies could not be correlated from line to line with reasonable confidence.

DIGHEM electromagnetic maps are designed to provide a correct impression of conductor quality by means of the conductance grade symbols. The symbols can stand alone with geology when planning a follow-up program. The actual conductance values are printed in the attached anomaly list for those who wish quantitative data. The anomaly ppm and depth are indicated by inconspicuous dots which should not distract from the conductor patterns, while being helpful to those who wish this information. The map provides an interpretation of conductors in terms of length, strike and dip, geometric shape, conductance, depth, and thickness. The accuracy is comparable to an interpretation from a high quality ground EM survey having the same line spacing.

The attached EM anomaly list provides a tabulation of anomalies in ppm, conductance, and depth for the vertical sheet model. The EM anomaly list also shows the conductance and depth for a thin horizontal sheet (whole plane) model, but only the vertical sheet parameters appear on the EM map. The horizontal sheet model is suitable for a flatly dipping thin bedrock conductor such as a sulfide sheet having a thickness less than 10 m. The list also shows the resistivity and depth for a conductive earth (half space) model, which is suitable for thicker slabs such as thick conductive overburden. In the EM anomaly list, a depth value of zero for the conductive earth model, in an area of thick cover, warns that the anomaly may be caused by conductive overburden.

Since discrete bodies normally are the targets of EM surveys, local base (or zero) levels are used to compute local anomaly amplitudes. This contrasts with the use of true zero levels

which are used to compute true EM amplitudes. Local anomaly amplitudes are shown in the EM anomaly list and these are used to compute the vertical sheet parameters of conductance and depth. Not shown in the EM anomaly list are the true amplitudes which are used to compute the horizontal sheet and conductive earth parameters.

Questionable Anomalies

DIGHEM maps may contain EM responses which are displayed as asterisks (*). These responses denote weak anomalies of indeterminate conductance, which may reflect one of the following: a weak conductor near the surface, a strong conductor at depth (e.g., 100 to 120 m below surface) or to one side of the flight line, or aerodynamic noise. Those responses that have the appearance of valid bedrock anomalies on the flight profiles are indicated by appropriate interpretive symbols (see EM map legend). The others probably do not warrant further investigation unless their locations are of considerable geological interest.

The thickness parameter

DIGHEM can provide an indication of the thickness of a steeply dipping conductor. The amplitude of the coplanar anomaly (e.g., CPI channel on the digital profile) increases relative to the coaxial anomaly (e.g., CXI) as the apparent thickness increases, i.e., the thickness in the horizontal plane. (The thickness is equal to the conductor width if the conductor dips at 90

degrees and strikes at right angles to the flight line.) This report refers to a conductor as thin when the thickness is likely to be less than 3 m, and thick when in excess of 10 m. Thick conductors are indicated on the EM map by parentheses "( )". For base metal exploration in steeply dipping geology, thick conductors can be high priority targets because many massive sulfide ore bodies are thick, whereas non-economic bedrock conductors are often thin. The system cannot sense the thickness when the strike of the conductor is subparallel to the flight line, when the conductor has a shallow dip, when the anomaly amplitudes are small, or when the resistivity of the environment is below 100 ohm-m.

Resistivity mapping

Areas of widespread conductivity are commonly encountered during surveys. In such areas, anomalies can be generated by decreases of only 5 m in survey altitude as well as by increases in conductivity. The typical flight record in conductive areas is characterized by inphase and quadrature channels which are continuously active. Local EM peaks reflect either increases in conductivity of the earth or decreases in survey altitude. For such conductive areas, apparent resistivity profiles and contour maps are necessary for the correct interpretation of the airborne data. The advantage of the resistivity parameter is that anomalies caused by altitude changes are virtually eliminated, so the resistivity data reflect only those anomalies caused by conductivity changes. The resistivity analysis also helps the interpreter to differentiate between conductive trends in the bedrock and those patterns typical of conductive overburden. For

example, discrete conductors will generally appear as narrow lows on the contour map and broad conductors (e.g., overburden) will appear as wide lows.

The resistivity profiles and the resistivity contour maps present the apparent resistivity using the so-called pseudo-layer (or buried) half space model defined by Fraser (1978)[1]. This model consists of a resistive layer overlying a conductive half space. The depth channels give the apparent depth below surface of the conductive material. The apparent depth is simply the apparent thickness of the overlying resistive layer. The apparent depth (or thickness) parameter will be positive when the upper layer is more resistive than the underlying material, in which case the apparent depth may be quite close to the true depth.

The apparent depth will be negative when the upper layer is more conductive than the underlying material, and will be zero when a homogeneous half space exists. The apparent depth parameter must be interpreted cautiously because it will contain any errors which may exist in the measured altitude of the EM bird (e.g., as caused by a dense tree cover). The inputs to the resistivity algorithm are the inphase and quadrature components of the coplanar coil-pair. The outputs are the apparent resistivity of the conductive half space (the source) and the sensor-source distance. The flying height is not an input variable, and the output resistivity and sensor-source distance are independent of the flying height. The apparent depth, discussed above, is

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[1] Resistivity mapping with an airborne multicoil electromagnetic system: Geophysics, v. 43, p.144-172

simply the sensor-source distance minus the measured altitude or flying height. Consequently, errors in the measured altitude will affect the apparent depth parameter but not the apparent resistivity parameter.

The apparent depth parameter is a useful indicator of simple layering in areas lacking a heavy tree cover. The DIGHEM system has been flown for purposes of permafrost mapping, where positive apparent depths were used as a measure of permafrost thickness. However, little quantitative use has been made of negative apparent depths because the absolute value of the negative depth is not a measure of the thickness of the conductive upper layer and, therefore, is not meaningful physically. Qualitatively, a negative apparent depth estimate usually shows that the EM anomaly is caused by conductive overburden. Consequently, the apparent depth channel can be of significant help in distinguishing between overburden and bedrock conductors.

The resistivity map often yields more useful information on conductivity distributions than the EM map. In comparing the EM and resistivity maps, keep in mind the following:

(a) The resistivity map portrays the apparent value of the earth's resistivity, where resistivity = 1/conductivity.

(b) The EM map portrays anomalies in the earth's resistivity. An anomaly by definition is a change from the norm and so the EM map displays anomalies, (i)

over narrow, conductive bodies and (ii) over the boundary zone between two wide formations of differing conductivity.

The resistivity map might be likened to a total field map and the EM map to a horizontal gradient in the direction of flight[2]. Because gradient maps are usually more sensitive than total field maps, the EM map therefore is to be preferred in resistive areas. However, in conductive areas, the absolute character of the resistivity map usually causes it to be more useful than the EM map.

Interpretation in conductive environments

Environments having background resistivities below 30 ohm-m cause all airborne EM systems to yield very large responses from the conductive ground. This usually prohibits the recognition of discrete bedrock conductors. However, DIGHEM data processing techniques produce three parameters which contribute significantly to the recognition of bedrock conductors. These are the inphase and quadrature difference channels (DFI and DFQ), and the resistivity and depth channels (RES and DP) for each coplanar frequency.

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[2] The gradient analogy is only valid with regard to the identification of anomalous locations.

The EM difference channels (DFI and DFQ) eliminate most of the responses from conductive ground, leaving responses from bedrock conductors, cultural features (e.g., telephone lines, fences, etc.) and edge effects. Edge effects often occur near the perimeter of broad conductive zones. This can be a source of geologic noise. While edge effects yield anomalies on the EM difference channels, they do not produce resistivity anomalies. Consequently, the resistivity channel aids in eliminating anomalies due to edge effects. On the other hand, resistivity anomalies will coincide with the most highly conductive sections of conductive ground, and this is another source of geologic noise. The recognition of a bedrock conductor in a conductive environment therefore is based on the anomalous responses of the two difference channels (DFI and DFQ) and the resistivity channels (RES). The most favourable situation is where anomalies coincide on all channels.

The DP channels, which give the apparent depth to the conductive material, also help to determine whether a conductive response arises from surficial material or from a conductive zone in the bedrock. When these channels ride above the zero level on the digital profiles (i.e., depth is negative), it implies that the EM and resistivity profiles are responding primarily to a conductive upper layer, i.e., conductive overburden. If the DP channels are below the zero level, it indicates that a resistive upper layer exists, and this usually implies the existence of a bedrock conductor. If the low frequency DP channel is below the zero level and the high frequency DP is above, this suggests that a bedrock conductor occurs beneath conductive cover.

The conductance channel CDT identifies discrete conductors which have been selected by computer for appraisal by the geophysicist. Some of these automatically selected anomalies on channel CDT are discarded by the geophysicist. The automatic selection algorithm is intentionally oversensitive to assure that no meaningful responses are missed. The interpreter then classifies the anomalies according to their source and eliminates those that are not substantiated by the data, such as those arising from geologic or aerodynamic noise.

Reduction of geologic noise

Geologic noise refers to unwanted geophysical responses. For purposes of airborne EM surveying, geologic noise refers to EM responses caused by conductive overburden and magnetic permeability. It was mentioned previously that the EM difference channels (i.e., channel DFI for inphase and DFQ for quadrature) tend to eliminate the response of conductive overburden. This marked a unique development in airborne EM technology, as DIGHEM is the only EM system which yields channels having an exceptionally high degree of immunity to conductive overburden.

Magnetite produces a form of geological noise on the inphase channels of all EM systems. Rocks containing less than 1% magnetite can yield negative inphase anomalies caused by magnetic permeability. When magnetite is widely distributed throughout a survey area, the inphase EM channels may continuously rise and fall, reflecting variations in the magnetite percentage, flying height, and overburden thickness. This can lead to difficulties in recognizing

deeply buried bedrock conductors, particularly if conductive overburden also exists. However, the response of broadly distributed magnetite generally vanishes on the inphase difference channel DFI. This feature can be a significant aid in the recognition of conductors which occur in rocks containing accessory magnetite.

EM magnetite mapping

The information content of DIGHEM data consists of a combination of conductive eddy current responses and magnetic permeability responses. The secondary field resulting from conductive eddy current flow is frequency-dependent and consists of both inphase and quadrature components, which are positive in sign. On the other hand, the secondary field resulting from magnetic permeability is independent of frequency and consists of only an inphase component which is negative in sign. When magnetic permeability manifests itself by decreasing the measured amount of positive inphase, its presence may be difficult to recognize. However, when it manifests itself by yielding a negative inphase anomaly (e.g., in the absence of eddy current flow), its presence is assured. In this latter case, the negative component can be used to estimate the percent magnetite content.

A magnetite mapping technique was developed for the coplanar coil-pair of DIGHEM. The technique yields a channel (designated FEO) which displays apparent weight percent

magnetite according to a homogeneous half space model.[3] The method can be complementary to magnetometer mapping in certain cases. Compared to magnetometry, it is far less sensitive but is more able to resolve closely spaced magnetite zones, as well as providing an estimate of the amount of magnetite in the rock. The method is sensitive to 1/4% magnetite by weight when the EM sensor is at a height of 30 m above a magnetitic half space. It can individually resolve steep dipping narrow magnetite-rich bands which are separated by 60 m. Unlike magnetometry, the EM magnetite method is unaffected by remanent magnetism or magnetic latitude.

The EM magnetite mapping technique provides estimates of magnetite content which are usually correct within a factor of 2 when the magnetite is fairly uniformly distributed. EM magnetite maps can be generated when magnetic permeability is evident as negative inphase responses on the data profiles.

Like magnetometry, the EM magnetite method maps only bedrock features, provided that the overburden is characterized by a general lack of magnetite. This contrasts with resistivity mapping which portrays the combined effect of bedrock and overburden.

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[3] Refer to Fraser, 1981, Magnetite mapping with a multi-coil airborne electromagnetic system: Geophysics, v. 46, p. 1579-1594.

Recognition of culture

Cultural responses include all EM anomalies caused by man-made metallic objects. Such anomalies may be caused by inductive coupling or current gathering. The concern of the interpreter is to recognize when an EM response is due to culture. Points of consideration used by the interpreter, when coaxial and coplanar coil-pairs are operated at a common frequency, are as follows:

1. Channels CXP and CPP monitor 60 Hz radiation. An anomaly on these channels shows that the conductor is radiating power. Such an indication is normally a guarantee that the conductor is cultural. However, care must be taken to ensure that the conductor is not a geologic body which strikes across a power line, carrying leakage currents.

2. A flight which crosses a "line" (e.g., fence, telephone line, etc.) yields a center-peaked coaxial anomaly and an m-shaped coplanar anomaly.[4] When the flight crosses the cultural line at a high angle of intersection, the amplitude ratio of coaxial/coplanar response is 4. Such an EM anomaly can only be caused by a line. The geologic body which yields anomalies most closely resembling a line is the vertically dipping thin dike. Such a body, however, yields an amplitude ratio of 2 rather than 4. Consequently, an

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[4] See Figure 5-1 presented earlier.

m-shaped coplanar anomaly with a CXI/CPI amplitude ratio of 4 is virtually a guarantee that the source is a cultural line.

3. A flight which crosses a sphere or horizontal disk yields center-peaked coaxial and coplanar anomalies with a CXI/CPI amplitude ratio (i.e., coaxial/coplanar) of 1/4. In the absence of geologic bodies of this geometry, the most likely conductor is a metal roof or small fenced yard.[5] Anomalies of this type are virtually certain to be cultural if they occur in an area of culture.

4. A flight which crosses a horizontal rectangular body or wide ribbon yields an m-shaped coaxial anomaly and a center-peaked coplanar anomaly. In the absence of geologic bodies of this geometry, the most likely conductor is a large fenced area.[5] Anomalies of this type are virtually certain to be cultural if they occur in an area of culture.

5. EM anomalies which coincide with culture, as seen on the camera film or video display, are usually caused by culture. However, care is taken with such coincidences because a geologic conductor could occur beneath a fence, for example. In this example, the fence would be expected to yield an m-shaped coplanar anomaly as in case #2 above.

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[5] It is a characteristic of EM that geometrically similar anomalies are obtained from: (1) a planar conductor, and (2) a wire which forms a loop having dimensions identical to the perimeter of the equivalent planar conductor.

If, instead, a center-peaked coplanar anomaly occurred, there would be concern that a thick geologic conductor coincided with the cultural line.

6. The above description of anomaly shapes is valid when the culture is not conductively coupled to the environment. In this case, the anomalies arise from inductive coupling to the EM transmitter. However, when the environment is quite conductive (e.g., less than 100 ohm-m at 900 Hz), the cultural conductor may be conductively coupled to the environment. In this latter case, the anomaly shapes tend to be governed by current gathering. Current gathering can completely distort the anomaly shapes, thereby complicating the identification of cultural anomalies. In such circumstances, the interpreter can only rely on the radiation channels and on the camera film or video records.

MAGNETICS

The existence of a magnetic correlation with an EM anomaly is indicated directly on the EM map. In some geological environments, an EM anomaly with magnetic correlation has a greater likelihood of being produced by sulfides than one that is non-magnetic. However, sulfide ore bodies may be non-magnetic (e.g., the Kidd Creek deposit near Timmins, Canada) as well as magnetic (e.g., the Mattabi deposit near Sturgeon Lake, Canada).

The magnetometer data are digitally recorded in the aircraft to an accuracy of 0.01 nT for cesium magnetometers. The digital tape is processed by computer to yield a total field magnetic contour map. When warranted, the magnetic data may also be treated mathematically to enhance the magnetic response of the near-surface geology, and an enhanced magnetic contour map is then produced. The response of the enhancement operator in the frequency domain is illustrated in Figure 5-2. This figure shows that the passband components of the airborne data are amplified 20 times by the enhancement operator. This means, for example, that a 100 nT anomaly on the enhanced map reflects a 5 nT anomaly for the passband components of the airborne data.

The enhanced map, which bears a resemblance to a downward continuation map, is produced by the digital bandpass filtering of the total field data. The enhancement is equivalent to continuing the field downward to a level (above the source) which is 1/20th of the actual sensor-source distance.

Because the enhanced magnetic map bears a resemblance to a ground magnetic map, it simplifies the recognition of trends in the rock strata and the interpretation of geological structure. It defines the near-surface local geology while de-emphasizing deep-seated regional features. It primarily has application when the magnetic rock units are steeply dipping and the earth's field dips in excess of 60 degrees.

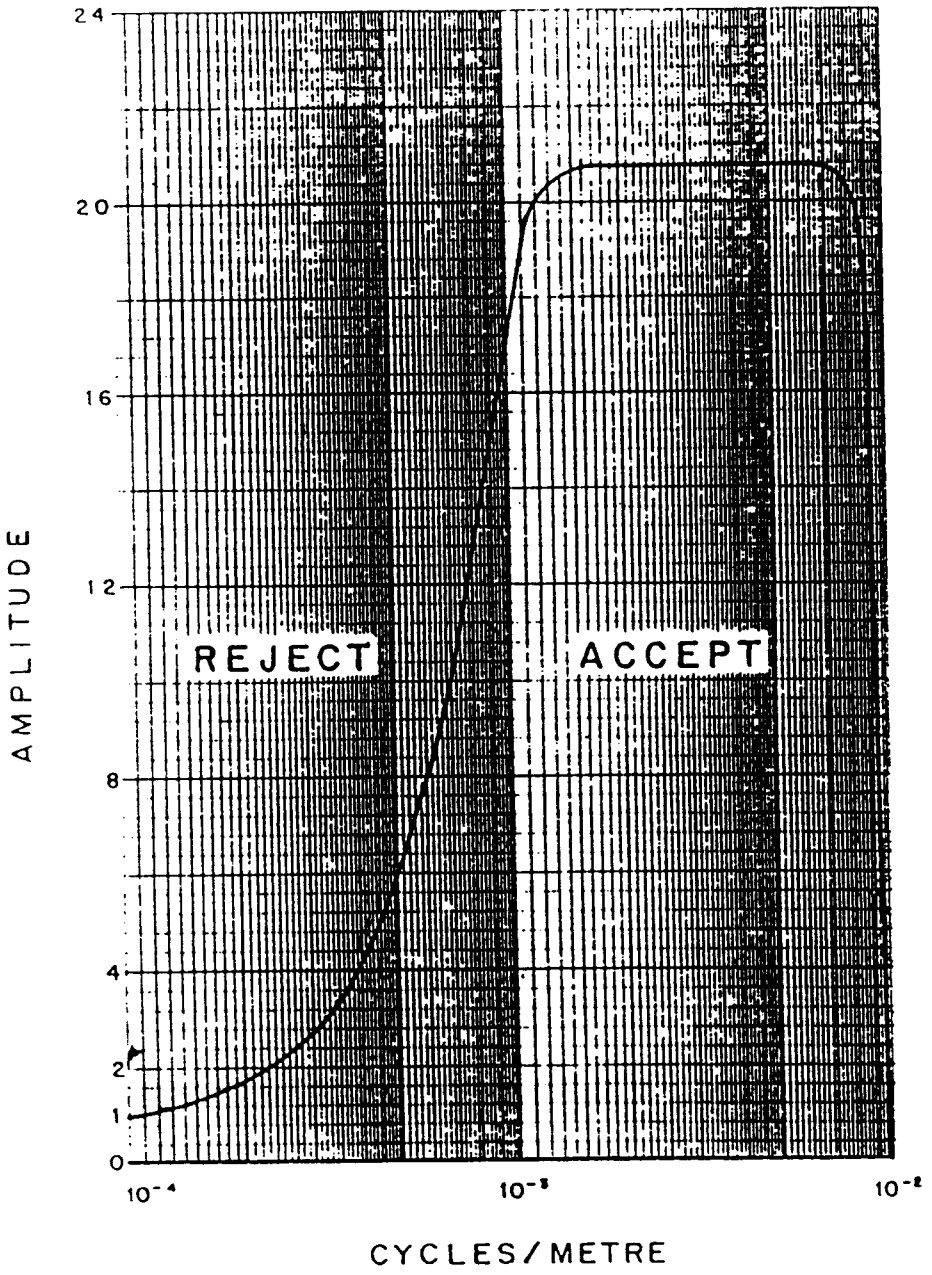


Fig. 5-2 Frequency response of magnetic enhancement operator.

Any of a number of filter operators may be applied to the magnetic data, to yield vertical derivatives, continuations, magnetic susceptibility, etc. These may be displayed in contour, colour or shadow.

VLF

VLF transmitters produce high frequency uniform electromagnetic fields. However, VLF anomalies are not EM anomalies in the conventional sense. EM anomalies primarily reflect eddy currents flowing in conductors which have been energized inductively by the primary field. In contrast, VLF anomalies primarily reflect current gathering, which is a non-inductive phenomenon. The primary field sets up currents which flow weakly in rock and overburden, and these tend to collect in low resistivity zones. Such zones may be due to massive sulfides, shears, river valleys and even unconformities.

The VLF field is horizontal. Because of this, the method is quite sensitive to the angle of coupling between the conductor and the transmitted VLF field. Conductors which strike towards the VLF station will usually yield a stronger response than conductors which are nearly orthogonal to it.

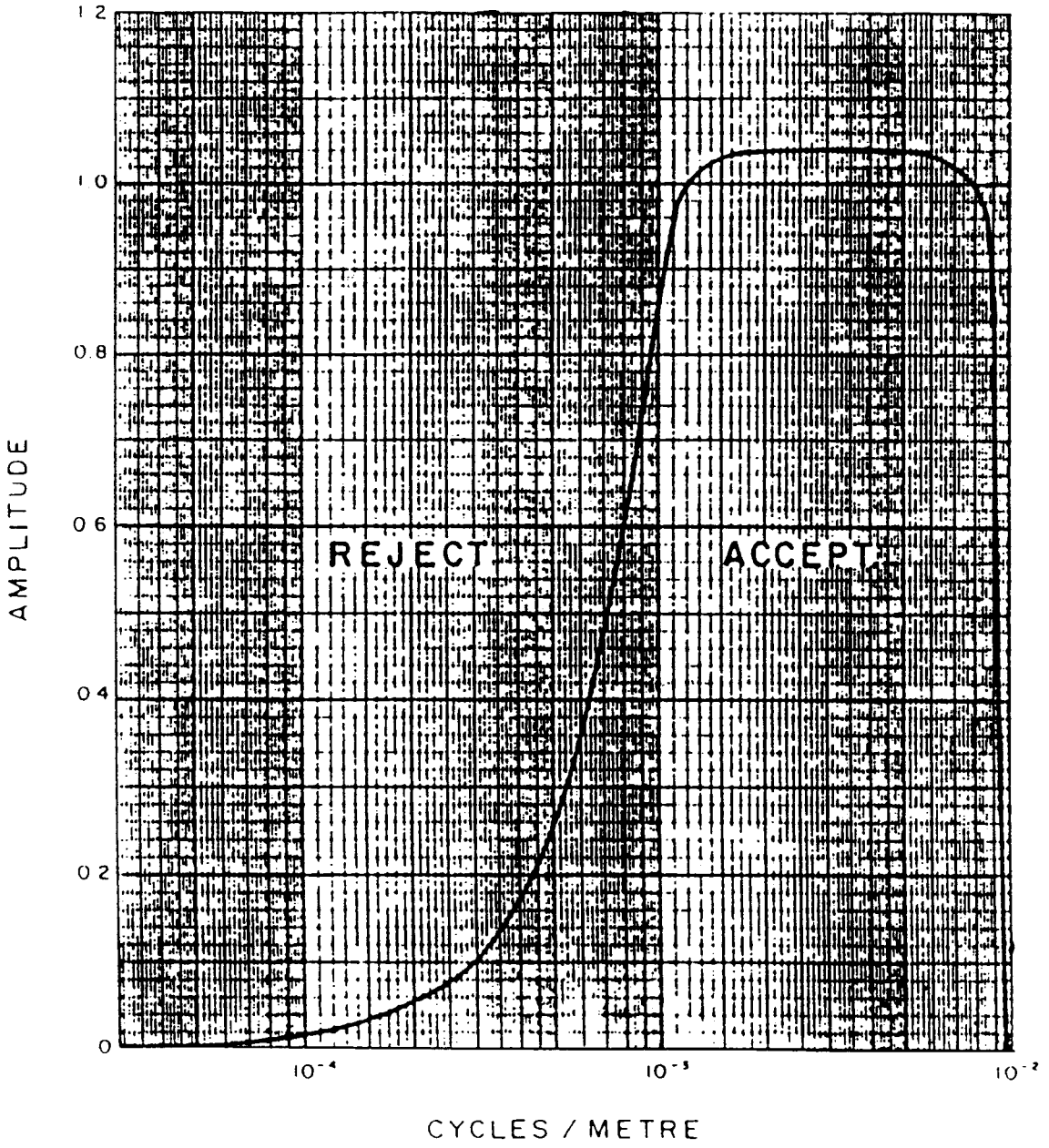


Fig. 5-3 Frequency response of VLF operator.

The Herz Industries Ltd. Totem VLF-electromagnetometer measures the total field and vertical quadrature components. Both of these components are digitally recorded in the aircraft with a sensitivity of 0.1 percent. The total field yields peaks over VLF current concentrations whereas the quadrature component tends to yield crossovers. Both appear as traces on the profile records. The total field data are filtered digitally and displayed as contours to facilitate the recognition of trends in the rock strata and the interpretation of geologic structure.

The response of the VLF total field filter operator in the frequency domain (Figure 5-3) is basically similar to that used to produce the enhanced magnetic map (Figure 5-2). The two filters are identical along the abscissa but different along the ordinant. The VLF filter removes long wavelengths such as those which reflect regional and wave transmission variations. The filter sharpens short wavelength responses such as those which reflect local geological variations.

CONCLUSIONS AND RECOMMENDATIONS

This report provides a very brief description of the survey results and describes the equipment, procedures and logistics of the survey.

The survey was successful in locating a few moderately weak or broad conductors which may warrant additional work. The underlying structure of the survey areas was revealed with the magnetic data. The various maps included with this report display the magnetic and conductive properties of the survey areas. It is recommended that the survey results be reviewed in detail, in conjunction with all available geophysical, geological and geochemical information. Particular reference should be made to the computer generated data profiles which clearly define the characteristics of the individual anomalies.

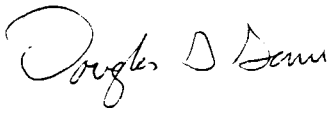
Most anomalies in the survey areas are moderately weak and poorly-defined except for the areas outlined by zones. Within these conductive zones the anomalies are generally very strong and well-defined. Some anomalies coincide with breaks in the magnetic data which may reflect faults or shears. Such structural breaks may be considered to be of particular interest if they have influenced mineral deposition within the survey area.

The interpreted bedrock conductors defined by the survey should be subjected to further investigation, using appropriate surface exploration techniques. Anomalies which are currently considered to be of moderately low priority may require upgrading if follow-up results are favourable.

It is also recommended that image processing of existing geophysical data be considered, in order to extract the maximum amount of information from the survey results. Current software and imaging techniques often provide valuable information on structure and lithology, which may not be clearly evident on the contour and colour maps. These techniques can yield images which define subtle, but significant, structural details.

Respectfully submitted,

DIGHEM



Douglas G. Garrie
Geophysicist

DGG/sdp

A1239MAR.96R

APPENDIX A

LIST OF PERSONNEL

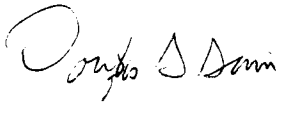
The following personnel were involved in the acquisition, processing, interpretation and presentation of data, relating to a DIGHEM^{V} airborne geophysical survey carried out for Westmin Resources Limited, near Wolverine Lake, Yukon.

Chris Nind	Manager, Helicopter Geophysics
Greg Paleolog	Manager, Field Operations
Doug McConnell	Manager, Computer Production
Jordan Cronkwright	Geophysical Operator
John McGuire	Geophysical Operator
Mark Stephens	Field Dataman
Paul Kendall	Pilot (Hi-Wood Helicopters Ltd.)
Gordon Smith	Data Processing Supervisor
Theron Greenaway	Computer Processor
Douglas Garrie	Interpretation Geophysicist
Lyn Vanderstarren	Drafting Supervisor
Mike Armstrong	Draftsperson (CAD)
Susan Pothiah	Word Processing Operator
Albina Tonello	Secretary/Expeditor

The survey consisted of 3660 km of coverage, flown from November 3 to December 5, 1995.

All personnel are employees of Dighem, except for the pilot who is an employee of Hi-Wood Helicopters Ltd.

DIGHEM



Douglas G. Garrie
Geophysicist

DGG/sdp

A1239MAR.96R

APPENDIX B

STATEMENT OF COST

Date: March 29, 1996

IN ACCOUNT WITH DIGHEM

To: Dighem flying of Agreement dated September 27, 1995, pertaining to an Airborne Geophysical Survey in the Wolverine Lake area, Yukon.

Survey Charges

3365 km of flying @ $90.00/km
plus mobilization costs of
$5,000.00 $307,850.00

Allocation of Costs

- Data Acquisition	(60%)
- Data Processing	(20%)
- Interpretation, Report and Maps	(20%)

DIGHEM

Douglas G. Garrie
Geophysicist

DGG/sdp

A1239MAR.96R

APPENDIX C

EM ANOMALY LIST

1239 D WOLVERINE LAKE PROJECT B.C.

	COAXIAL 1047 HZ		COPLANAR 891 HZ		COPLANAR 7314 HZ		VERTICAL DIKE		HORIZONTAL SHEET		CONDUCTIVE EARTH		MAG CORR
ANOMALY/ FID/INTERP	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	COND SIEMEN	DEPTH* M	COND SIEMEN	DEPTH M	RESIS OHM-M	DEPTH M	NT
LINE 40010	(FLIGHT	42)											
A 3538S?	0	2	0	2	2	4	-	-	-	-	-	-	0
B 3580S	1	2	1	2	2	4	-	-	-	-	-	-	0
C 3595S	0	4	0	8	6	43	0.4	4	1	64	791	0	0
LINE 40020	(FLIGHT	42)											
A 3846S	1	2	1	2	2	4	-	-	-	-	-	-	0
B 3735S	0	2	0	2	1	4	-	-	-	-	-	-	0
LINE 40030	(FLIGHT	42)											
A 3931S	0	2	1	2	2	4	-	-	-	-	-	-	0
B 3990S	0	2	1	2	2	4	-	-	-	-	-	-	0
C 4060S?	0	3	2	3	4	17	0.4	1	1	99	768	11	0
LINE 40040	(FLIGHT	50)											
A 1943S	0	2	0	2	2	4	-	-	-	-	-	-	0
B 2010S	0	6	0	10	9	54	0.4	8	1	57	714	2	0
LINE 40050	(FLIGHT	50)											
A 2168S?	0	2	0	2	2	4	-	-	-	-	-	-	0
LINE 40060	(FLIGHT	50)											
A 2294D	0	2	0	2	2	4	-	-	-	-	-	-	0
LINE 40080	(FLIGHT	50)											
A 2933S?	0	4	0	9	15	37	0.4	0	1	57	811	0	0
B 2931S?	0	4	0	8	14	37	0.4	0	1	50	767	0	0
C 2887S?	0	5	0	5	5	7	0.4	1	1	61	793	0	0
D 2829S	1	2	0	2	2	4	-	-	-	-	-	-	0
LINE 40120	(FLIGHT	50)											
A 3793S	0	2	0	2	2	4	-	-	-	-	-	-	0
LINE 40130	(FLIGHT	45)											
A 2201S	0	2	0	2	2	4	-	-	-	-	-	-	0
LINE 40141	(FLIGHT	45)											
A 1876S?	1	2	1	2	2	4	-	-	-	-	-	-	0
LINE 40160	(FLIGHT	45)											
A 1491S	0	2	0	2	2	4	-	-	-	-	-	-	0
LINE 40210	(FLIGHT	44)											
A 3250S	0	2	0	2	2	4	-	-	-	-	-	-	0

.* ESTIMATED DEPTH MAY BE UNRELIABLE BECAUSE THE STRONGER PART OF THE CONDUCTOR MAY BE DEEPER OR TO ONE SIDE OF THE FLIGHT LINE, OR BECAUSE OF A SHALLOW DIP OR OVERBURDEN EFFECTS.

1239 D WOLVERINE LAKE PROJECT B.C.

	COAXIAL 1047 HZ		COPLANAR 891 HZ		COPLANAR 7314 HZ		VERTICAL DIKE		HORIZONTAL SHEET		CONDUCTIVE EARTH		MAG CORR
ANOMALY/ FID/INTERP	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	COND SIEMEN	DEPTH* M	COND SIEMEN	DEPTH M	RESIS OHM-M	DEPTH M	NT
LINE 40240	(FLIGHT 44)												
A 2132S	0	2	1	2	2	4	-	-	-	-	-	-	10
B 2268D	1	2	0	0	2	4	-	-	-	-	-	-	0
LINE 40250	(FLIGHT 44)												
A 1797S	1	2	0	2	2	4	-	-	-	-	-	-	0
LINE 40261	(FLIGHT 44)												
A 1349S?	2	3	1	2	4	11	1.8	31	1	110	717	7	0
LINE 40270	(FLIGHT 44)												
A 403S	1	2	1	2	2	4	-	-	-	-	-	-	130
LINE 40280	(FLIGHT 45)												
A 2421D?	1	2	0	0	0	4	-	-	-	-	-	-	0
LINE 40290	(FLIGHT 45)												
A 2894B	1	2	1	2	2	4	-	-	-	-	-	-	40
LINE 40310	(FLIGHT 45)												
A 3564S	0	2	0	2	1	4	-	-	-	-	-	-	0
LINE 40330	(FLIGHT 45)												
A 4142S	0	1	0	2	2	8	0.4	0	1	123	1024	0	0
B 4272D	2	6	4	11	20	23	1.3	0	1	67	295	12	0
LINE 40340	(FLIGHT 46)												
A 386S	0	2	0	2	2	4	-	-	-	-	-	-	0
LINE 40351	(FLIGHT 46)												
A 2390S	1	2	0	1	0	4	1.4	44	1	156	1024	0	0
LINE 40370	(FLIGHT 46)												
A 2878S	0	2	0	2	2	4	-	-	-	-	-	-	50
LINE 40380	(FLIGHT 46)												
A 3221S?	1	2	1	2	1	4	-	-	-	-	-	-	0
B 3129S	0	2	0	2	2	4	-	-	-	-	-	-	0
C 3064S	0	1	0	2	0	4	-	-	-	-	-	-	0
LINE 40400	(FLIGHT 46)												
A 3728S	1	2	1	2	2	4	-	-	-	-	-	-	0

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1239 D WOLVERINE LAKE PROJECT B.C.

	COAXIAL 1047 HZ		COPLANAR 891 HZ		COPLANAR 7314 HZ		VERTICAL DIKE		HORIZONTAL SHEET		CONDUCTIVE EARTH		MAG CORR
ANOMALY/ FID/INTERP	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	COND SIEMEN	DEPTH* M	COND SIEMEN	DEPTH M	RESIS OHM-M	DEPTH M	NT
LINE 40400	(FLIGHT 46)												
B 3674S	1	2	0	2	2	4	-	-	-	-	-	-	0
LINE 40430	(FLIGHT 46)												
A 4455S	0	2	0	2	2	4	-	-	-	-	-	-	0
LINE 40440	(FLIGHT 47)												
A 395S	0	2	0	2	2	4	-	-	-	-	-	-	13
B 305D?	1	2	0	0	1	3	-	-	-	-	-	-	0
LINE 40450	(FLIGHT 47)												
A 657S	0	2	0	2	2	4	-	-	-	-	-	-	0
LINE 40470	(FLIGHT 47)												
A 1170S	1	1	0	2	2	4	-	-	-	-	-	-	0
LINE 40480	(FLIGHT 47)												
A 1369S	0	2	1	2	2	4	-	-	-	-	-	-	0
LINE 40541	(FLIGHT 50)												
A 4020S	0	1	0	2	2	4	-	-	-	-	-	-	0
LINE 40550	(FLIGHT 48)												
A 1295S	0	2	1	2	2	4	-	-	-	-	-	-	9
LINE 40560	(FLIGHT 48)												
A 1379D?	1	2	1	2	2	4	-	-	-	-	-	-	0
LINE 40570	(FLIGHT 48)												
A 1660D	0	4	1	5	14	11	0.4	0	1	78	727	0	0
LINE 40580	(FLIGHT 48)												
A 1771D?	1	2	1	2	2	4	-	-	-	-	-	-	0
B 1765B	1	2	2	9	18	13	2.1	57	1	60	249	13	0
LINE 40590	(FLIGHT 48)												
A 2004S?	0	4	0	1	5	6	0.4	0	1	153	933	15	0
B 2013B	4	5	2	9	21	18	3.6	34	1	58	291	11	0
LINE 40600	(FLIGHT 48)												
A 2139D	1	2	1	2	2	4	-	-	-	-	-	-	0
LINE 40610	(FLIGHT 48)												
A 2359D	1	2	1	2	2	4	-	-	-	-	-	-	0

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1239 D WOLVERINE LAKE PROJECT B.C.

	COAXIAL 1047 HZ		COPLANAR 891 HZ		COPLANAR 7314 HZ		VERTICAL DIKE		HORIZONTAL SHEET		CONDUCTIVE EARTH		MAG CORR
ANOMALY/ FID/INTERP	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	COND SIEMEN	DEPTH* M	COND SIEMEN	DEPTH M	RESIS OHM-M	DEPTH M	NT
LINE 40610	(FLIGHT 48)												
B 2390S	0	2	1	2	2	4	-	-	-	-	-	-	4
LINE 40620	(FLIGHT 48)												
A 2498D?	1	1	1	2	2	4	-	-	-	-	-	-	0
B 2462S	0	2	1	2	2	4	-	-	-	-	-	-	0
LINE 40630	(FLIGHT 48)												
A 2768D	4	5	2	6	14	14	3.8	25	1	89	899	0	0
LINE 40640	(FLIGHT 49)												
A 1091D	4	8	3	14	30	25	2.3	8	1	46	792	0	8
B 1088D	2	7	4	14	30	25	1.6	9	1	41	269	0	0
LINE 40650	(FLIGHT 49)												
A 1537D?	0	2	0	2	2	4	-	-	-	-	-	-	0
B 1541B	4	8	5	12	26	23	2.2	9	1	41	361	0	0
C 1544D	3	6	5	12	26	23	2.6	21	1	61	170	17	0
LINE 40660	(FLIGHT 49)												
A 1672B?	2	5	2	7	15	13	1.7	9	1	44	576	0	0
LINE 40670	(FLIGHT 49)												
A 1844S?	1	2	1	2	2	4	-	-	-	-	-	-	0
B 1872S?	0	2	1	2	2	4	-	-	-	-	-	-	0
LINE 40680	(FLIGHT 49)												
A 1989S	2	3	1	6	12	8	2.2	26	1	55	804	0	0
LINE 40690	(FLIGHT 49)												
A 2147S	0	2	0	2	2	4	-	-	-	-	-	-	0
B 2157S?	0	3	0	5	13	10	0.4	0	1	76	982	0	0
C 2184S	1	3	2	6	14	15	1.1	16	1	53	496	0	0
LINE 40700	(FLIGHT 49)												
A 2414S?	2	4	1	7	18	13	2.1	24	1	48	721	0	0
LINE 40710	(FLIGHT 49)												
A 2628B?	1	5	0	7	20	18	0.8	0	1	49	844	0	0
B 2655S	1	2	1	2	2	4	-	-	-	-	-	-	0
LINE 40720	(FLIGHT 49)												
A 2757S	1	4	0	6	17	23	1.1	15	1	61	870	0	0

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1239 D WOLVERINE LAKE PROJECT B.C.

	COAXIAL 1047 HZ		COPLANAR 891 HZ		COPLANAR 7314 HZ		VERTICAL DIKE		HORIZONTAL SHEET		CONDUCTIVE EARTH		MAG CORR
ANOMALY/ FID/INTERP	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	REAL PPM	QUAD PPM	COND SIEMEN	DEPTH* M	COND SIEMEN	DEPTH M	RESIS OHM-M	DEPTH M	NT
LINE 40720	(FLIGHT 49)												
B 2731S	3	4	3	7	9	12	4.2	13	1	60	242	7	0
LINE 40730	(FLIGHT 49)												
A 3036H	2	4	4	8	18	14	2.0	26	1	58	216	12	5
LINE 40740	(FLIGHT 49)												
A 3212S	0	5	0	4	10	29	0.3	0	1	47	537	16	0
LINE 40780	(FLIGHT 50)												
A 479S	2	3	0	3	5	11	3.3	44	1	112	1024	0	0
LINE 40800	(FLIGHT 50)												
A 839S	1	2	0	2	2	4	-	-	-	-	-	-	0
LINE 49020	(FLIGHT 50)												
A 1555B?	1	2	0	2	2	4	-	-	-	-	-	-	0

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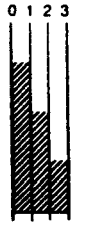
APPENDIX F

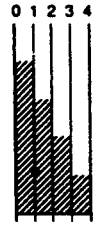
DRILL LOGS

EQUITY ENGINEERING LTD.

DRILL LOG

PROJECT: WIKA	GROUND ELEV.
HOLE NO.: WK-96-01	BEARING: 180°
LOCATION: TY GRID - 7100E 4150N	DIP: -45°
	TOTAL LENGTH: 192.3m
LOGGED BY: G. BRADSHAW	HORIZONTAL PROJECT
DATE: AUG 19	VERTICAL PROJECT
CONTRACTOR: BRITTON BROTHERS	**ALTERATION SCALE**
CORE SIZE: NQ	
DATE STARTED: AUG 17	
DATE COMPLETED: AUG 19	**TOTAL SULPHIDE SCALE**
DIP TESTS: 121.9 m - 41°	





COMMENTS

LEGEND

AGE 1 OF | PROJECT: WIKA | HOLE NO. 96-01

% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
	6.0									
	DCFF		6.0 - 22.0 GREY/GREEN FINE GRAINED DACITE TUFF. qtz, feldspar, minor chlorite, well foliated. elongate qtz/feldspar up to 1mm diam. minor calcite bands, up to 1cm.							
		70°								
			12.8 - 13.0 - quartz vein							
		65°								
		65°								
	RHMS		22.0 - 37.8 GREY MASSIVE RHYOLITE siliceous, glassy texture, yellow green sericitic partings sub mm scale. occasional chlorite clots							
			25.9 - 31.3 - broken core, sheared zone. Possibly more tuffaceous. 29.5 - brecciated rhy; qtz frags within fine green matrix.							

PAGE 3 OF | PROJECT: WIKA | HOLE NO. 96-01

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
29											
30											
31											
32											
33											
34											
35											
36											
37			75°								
38				37.8 - 52.0 GREEN/GREY RHYOLITE LAPILLI TUFF							
39				QFPO QFPH glassy textured rhyolite with distinct wavy yellow green sericite bands up to 5mm wide, alternate with siliceous (fine gr. qtz + felds) bands and lens shaped siliceous fragments (lapilli?).							
40				upper part of unit is more grey - but similar texture.							
41				sharp upper contact - broken core.							
42				sharp lower contact with more chloritic andesite? unit.							
43											
44				(probably actually a porphyry)							
45											
46											
47			65°								
48											
49											
50											
51											

PAGE 2 OF	PROJECT: WIKA	HOLE NO. 96-01

MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
<1% sulfides fine disseminated pyrite and pyrrhotite.		6.0	10.0	4.0	175162	
		10.0	13.0	3.0	175163	
base of qv - vein like pyrrhotite and chalcopyrite - between qv and wall rock. About 5% cpy and 10% pφ. (% of 20 cm vein interval)		13.0	16.0	3.0	175164	
		16.0	19.0	3.0	175165	
		19.0	22.0	3.0	175166	
1-2% pyrite, fine-coarse grained, disseminated and mobilized into fractures. occasional coarse py bands up to 1cm wide.		22.0	27.4	5.4	175167	
		27.4	31.8	4.4	175168	

PAGE 4 OF	PROJECT: WIKA	HOLE NO. 96-01

MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
		31.8	37.8	6.0	175169	
- <1% fine gr. disseminated-banded pyrite.		37.8	41.1	3.3	175170	
		41.1	46.3	5.2	175171	
		46.3	49.3	3.0	175172	
		49.3	52.0	2.7	175173	

PAGE 5 OF | PROJECT: WIKA | HOLE NO. 96-01

DEPTH (m)	STRUCTURE	INTERVAL	GEOLOGICAL DESCRIPTION
52		52.0-52.4	GREEN DACITE / ANDESITE TUFF
53	70°	ADTT	Fine-med gr, chloritic, rect dark grn-blk
			chloritized feldspar phenos
54		52.4-69.3	GREEN/GREY RHYOLITE LAPILLI TUFF
		QFPD	similar to 37.8-52.0 [illegible] - wavy
55			yellow green anastamosing sericite
			matrix enclosing qtz feldspar bands
56			+ fragments contains, however,
			~5% large (up to 2cm diam.) sub-
57			rounded - rounded silica knockers.
			some intervals are slightly darker
58			green - more chloritic.
	65°		(porphyry)
59			59.2-61.0 - darker green more chloritic
			subunit.
61			
62			
63			
64			63.6-63.8 - wht qtz vein.
65			very difficult to [illegible]
			contact, seems to be a very
			gradual transition between
66			66.1-66.4 - wht qtz vein.
67			rhy lapilli tuff with qtz knockers
			and qtz/K-spar augen gneiss.
68			Possibly the unit called
			Rhyolite lapilli tuff with qtz
69			knockers [illegible]
			[illegible]
70			
		69.3-192.3	K-SPAR QUARTZ AUGEN SCHIST
		QKAS	very gradational upper contact
			green rock light green wavy
72	75°		matrix (chl?) surrounding bluish
			qtz [illegible] (eyes) ~2x4 mm
73			[illegible] saussuritized [illegible]
			and [illegible] white - pale
74			

PAGE 6 OF	PROJECT:	HOLE NO. 96-01

MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
<1% fine gr. diss-banded py		52.0	52.4	0.4	175174	
~1% fine diss-banded py		52.4	55.8	3.4	175175	
		55.8	59.2	3.4	175176	
		59.2	62.6	3.4	175177	
		62.6	66.0	3.4	175178	
		66.0	69.3	3.3	175179	
<1% py, rare fine py bands mainly E.g. disseminated.		69.3	72.3	3.0	175180	
		72.3	75.3	3.0	175181	

PAGE 7 OF 7 | PROJECT: WIKA | HOLE NO. 96-01

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
				K-spar megacrysts or phenos up to 3 cm long.							
175			30°								
176				minor 1% pyrite. Fine or disseminated.							
177											
178											
				82.3-85.3 - broken core, poss. fault.							
110											
			50°								
112											
113											
115											
116			80°								
117				116.9-119.7 fault zone gouged core. Foliation ~70° to core angle.							
118			45°	140.1-147.5 gouged core							
119											
120				175.1-176.8 - clay like gouge							
121				182.7-184.8 - broken and ground core							
188											
189			70°								
190											
192				198.3 EOH							
193											

PAGE 8 OF 8	PROJECT:	HOLE NO. 95-01

MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES			SAMPLE NUMBER	ASSAYS				
		FROM	TO	WIDTH						
		75.3	78.3	3.0	175182					
		78.3	81.3	3.0	175183					
		81.3	84.3	3.0	175184					
		84.3	87.3	3.0	175185					

'AGE OF | PROJECT: | HOLE NO.

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.

WK-96-01					9/3/96			Drill Progress	
Target:				at	150.0 m			5	no. of Shifts
Casing:	20	feet	6.10	m				192.3	metres to date
Azimuth:	180	Northing:	4150	mN	Elevation:		m	38.5	metres/shift (avg.)
Inclination:	45	Easting:	7100	mE	Total Depth:	192.33	m	-1.1	shifts to target

		SHIFT		CUMULATIVE		CORE SIZE	Sperry Sun - Acid Test Data		
Date	Shift	Feet	Metres	Feet	Metres		depth (m)	azimuth	dip
17-Aug	D					MOVING			
	N	84	25.6	84	25.6	NQ			
18-Aug	D	176	53.6	260	79.2	NQ			
	N	180	54.9	440	134.1	NQ	121.9		41
19-Aug	D	180	54.9	620	189.0	NQ			
	N	11	3.4	631	192.3	NQ			

EQUITY ENGINEERING LTD.

DRILL LOG

PROJECT: WIKA	GROUND ELEV.
HOLE NO.: WK96-02	BEARING: 115°
LOCATION	DIP: -45°
	TOTAL LENGTH: 268.2m.
LOGGED BY: G. BRADSHAW	HORIZONTAL PROJECT
DATE: AUG 29	VERTICAL PROJECT
CONTRACTOR: BRITTON BROTHERS	**ALTERATION SCALE**
CORE SIZE: NQ	0 1 2 3 — absent; slight; moderate; intense
DATE STARTED	**TOTAL SULPHIDE SCALE**
DATE COMPLETED: AUG 27	0 1 2 3 4 — traces only; < 1%; 1% – 3%; 3% – 10%; > 10%
DIP TESTS: 152.4 - 56°; 268.2 - 59°	
COMMENTS: TARGET AT APPROX 200' = 61m.	LEGEND

AGE | OF | PROJECT: WIKA | HOLE NO. 96-02

% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
			0-13.4 CASING							
			13.4-25.8 DARK GREEN QTZ K-SPAR AUGEN SCHIST (KA-) green, well foliated, fine grained groundmass (chlorite) abundant fine-med gr. saussentized feldspars some finer qtz-feldspar occasional intervals of flattened + strung out qtz fragments and megacrystic k-spar up to 1.5 cm. Lower contact obscured by broken core							
			25.8-38.4 YELLOW BROWN SERICITIC CARBONATE ALTERED RHYOLITE TUFF (RHST) as in TY96-03 1473-1478 m. Broken and gouged core at upper contact. well foliated yellow brown sericite forms wavy partings ~30% of rock. Fine grained recrystallized qtz + felds and minor chl are main minerals. Also red brown (oxidized-red streak) spots-fizzes slightly - iron carbonate? likely secondary occurs in occasional intervals in high concentration eg. 50% of rock over 4 cm. Sharp lower contact at 66°							

PAGE 2 OF	PROJECT: WIKA	HOLE NO. 96-02

MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
Trace disseminated f.g. pyrite		13.4	17.4	3.0	175374	
		17.4	20.4	3.0	175375	
		20.4	23.2	2.8	175376	
		23.2	25.8	2.6	175377	
<1% pyrite, fine-med gr. diss to crudely banded.		25.8	28.8	3.0	175378	
		28.8	31.8	3.0	175379	
		31.8	34.4	2.6	175380	
		34.4	38.4	4.0	175381	

PAGE 3 OF | PROJECT: WIKA | HOLE NO. 96-02

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
36												
37												
38				38.4 - 42.9	GREY SILICEOUS FINE GRAINED RHYOLITE TUFF							
				RHTF	(quartz vein - 38.5 - 39.3) grey well foliated							
39					tuff w/ vfg. qtz + feldspar separated by yellow/							
40					(39.8 - 10 cm gouge zone)							
					(40.0 - 40.4 - gouge + b.c.)							
41					brown sericitic partings. Sharp lower contact							
			60°		at 65°.							
42												
43				42.9 - 44.7	YELLOW GREEN - GREY COARSE RHYOLITE LAPILLI TUFF							
				RHTF	2 x 7 mm qtz lens shaped frags (lapilli?) ~20%							
44				(QFPH)	of rock, some feldspar surrounded by yellow green							
					sericite matrix. Lower contact obscured by b.c.							
45				44.7 - 47.9	GREY MASSIVE - FRAGMENTAL APHANITIC RHYOLITE							
				RHFR	occasional brown f.g. tuffaceous intervals							
46					mainly glassy textured siliceous rhy w/ white/							
					grey aphanitic "fragments" separated by dark							
47					green-brown mm scale anastamosing sericitic bands.							
48				47.9 - 53.5	GREEN/BROWN/GREY FINE GR. RHYOLITE							
				RHTF	LAPILLI TUFF - fine gr siliceous rock							
49					with only occasional grey lens shaped							
					qtz "lapilli". Thin (mm) scale calcite							
50					bands, f.g. feldspars, mm scale green							
					sericite bands. gradual lower contact.							
51												
52												
53												
				53.5 - 85.7	GREEN/GREY FINE GRAINED RHYODACITE TUFF							
54				RDTT	occasional med grained feldspar grains,							
55			76°		but mainly very foliated f.g. massive,							
					slightly chlontic rhyodacite tuff.							
56					occasional mm-cm scale calcite bands							
					minor sericite as yellow green foln							
57					parallel bands. rare qtz phenos.							
					(57.1 - 57.4 white bull qtz vein.)							
58												

PAGE 4 OF	PROJECT: WIKA	HOLE NO. 96-02

MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
Trace diss. fg pyrite.		38.4	40.6	2.2	175382	
		40.6	42.9	2.3	175383	
Trace diss. fg pyrite		42.9	44.7	1.8	175384	
Trace diss fg. pyrite		44.7	47.9	3.2	175385	
NO Mineralization.		47.9	50.7	2.8	175386	
		50.7	53.5	2.8	175387	
1% fine-med disseminated - banded pyrite, <1% fine foln parallel diss. pø		53.5	56.5	3.0	175388	
		56.5	59.5	3.0	175389	

PAGE 5 OF | PROJECT: WIKA | HOLE NO. 96-02

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
-59				occasional small vein quartz veining and silicification (stringers)							
-60				some intervals are more like a crystal tuff. dense med-coarse grey feldspars in a fine gr. green groundmass.							
-61											
-62				sharp lower contact at 60°. some b.c and gouge here.							
-63			75°								
-64											
-65											
-66											
-67											
-68											
-69											
-70											
-71											
-72											
-73			70°								
-74											
-75											
-76											
-77											
-78				78.4-78.6 · quartz-vein + brecciation.							
-79											
-80											
-81			50°								

PAGE 6 OF	PROJECT: WIKA	HOLE NO. 96-02

MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
		59.5	62.5	3.0	175390	
		62.5	65.5	3.0	175391	
		65.5	68.5	3.0	175392	
		68.5	71.5	3.0	175393	
		71.5	74.5	3.0	175394	
		74.5	77.5	3.0	175395	
		77.5	80.5	3.0	175396	
		80.5	83.0	2.5	175397	

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DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
82											
83											
84											
85											
86				85.7 - 87.8 DCFF: GREEN/BROWN CARBONATE ALTERED FINE DACITE TUFF - spots of red/brown CO_3 mineral as in 25.8 - 38.4, yellow brown mm scale sericitic bands f.g. qtz, feldspar, min. chl. abrupt lower ct							
87				87.8 - 89.7 STFL: FAULT/GOUGE ZONE rhyolite lithic material foln goes prior to c.a. (89.1 - 89.5).							
88											
89											
90			60°	89.7 - 122.3 GKAS: GREEN QUARTZ K-SPAR AUGEN SCHIST - quite variable mainly fine grained med. green chloritic rock varying amts of med. grained yellow green "sausserite"							
91											
92				- locally ab fine-med gr dark green – black chloritized feldspars. Occasional salmon pink rounded-sub-rounded k-spar porphyroblasts up to 5 mm diam.							
93											
94				- occasional 'siliceous zones' contain densely packed round pinkish tinged k-spars with a finer qtz-feldspar matrix and minor micaceous partings, or densely packed rounded-subrounded quartz.							
95											
96											
97				- occasional qtz knockers up to 5mm diam							
98				- gradual lower contact as yellow brown micaceous bands become more numerous and rock becomes more siliceous.							
99			68°								
100											
101											
102											
103											
104											

PAGE 8 OF	PROJECT: WIKA	HOLE NO. 96-02

MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
		83.0	85.7	2.7	175398	
1% v.f.g. diss pyrite, Tr. local f.g. diss chalcopyrite.		85.7	87.8	2.1	175399	
<1% f.g. diss pyrite.		87.8	89.7	1.9	175400	
<1% fine-med grained diss py		89.7	92.7	3.0	106001	
		92.7	95.7	3.0	106002	
		95.7	98.7	3.0	106003	
		98.7	101.7	3.0	106004	
		101.7	104.7	3.0	106005	

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DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
105			55°								
106											
107											
108											
109											
110											
111											
112											
113											
114											
115											
116			55°								
117											
118											
119											
120											
121											
122				122.3 - 127.4	YELLOW BROWN SERICITIC QUARTZ EYE RHYOLITE						
123				RHTE	CAPILLI TUFF						
124				(QFPH)	rock dominated by dense very thin 2 mm yellow-brown micaceous bands (sericite). Small 1-2 mm blue quartz eyes throughout unit						
125			55°		also flattened grey/white quartz lenses (lapilli ?? up to 3mm x 2 cm. Occasional intervals up to 1 (cm) of densely packed rounded qtz + K-spar. Sharp lower ct.						
126					(126.1 - 126.4 - quartz vein)						
127											

PAGE 10 OF	PROJECT: MIK	HOLE NO. 96-02

MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
		104.7	107.7	3.0	106006	
		107.7	110.7	3.0	106007	
		110.7	113.7	3.0	106008	
		113.7	116.7	3.0	106009	
		116.7	119.7	3.0	106010	
		119.7	122.3	2.6	106011	
- < 1% fine med gr. diss. pyrite.		122.3	124.8	2.5	106012	
		124.8	127.4	2.6	106013	

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DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
				127.4 - 133.9	GREY-BLACK MED-COARSE GRAINED DIORITE							
128				DIOR	deformed diorite with ≈ 50% feldspar							
					and 50% mafics. contains discrete							
129			65°		fine grained green to slightly green bands							
					about 3-4 cm wide usu. parallel to							
					foln. (up to 40-50 cm intervals of this							
					fine grained quartz feldspathic material)							
131					sharp lower contact							
132												
133												
				133.9 - 144.8	GREY FINE-MED GRAINED QUARTZ EYE							
134				RDTT	RHYODACITE TUFF							
					grainy textured siliceous felsic tuff							
135					with minor chl. occasional med-coarse							
					grey feldspar grains, coarse glassy							
136					blue/grey quartz eyes. calcite forms							
					bands and fills fractures. minor							
137					quartz veining. rare yellow brown							
					mm scale sericitic bands.							
138					sharp lower contact.							
139												
			53°									
140												
141												
					141.2 - 143.9 - much higher concentration of							
142					wavy yellow brown sericitic bands. between							
					bands is mainly lens-like quartz							
143					143.9 - 10 cm q.v.							
					144.0 - 144.8 - dark green tuff w/ quartz eyes							
144					and red brown (carbonate?) mineral.							
145			60° CA	144.8 - 148.3	YELLOW-GREEN/WHITE QUARTZ FELDSPAR PORPHYRY							
				QFPH	(OR RHYOLITE LAPILLI TUFF ?) - same as							
					"yellow green coarse chl. lapilli tuff" but less							
					deformed - clearly actually a porphyry.							
					(see 149.2 - 186.3 for full description)							
			30° CA	148.3 - 149.2	DARK GREEN FINE GRAINED ANDESITE / DACITE							
				DCXT	CRYSTAL TUFF - e.g. qtz feldspar +							
			80°		chl - grainy texture. calcite bands and							
					late stringers							

PAGE 12 OF	PROJECT: WIK	HOLE NO. 96-02

MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
<1% sulfides tr. v.f.g. diss. pyrite, f.g. po and cpy as f.g. clots along foln in f.g. intervals.		127.4	130.6	3.2	106014	
		130.6	133.9	3.3	106015	
<1% sulfides fine diss py, tr. cpy 137.9 - coarse po + cpy clots, prob filling fracture.		133.9	136.9	3.0	106016	
		136.9	139.9	3.0	106017	
		139.9	142.4	2.5	106018	
		142.4	144.8	2.4	106019	
<1% med.-coarse diss. pyrite "buck-shot texture"		144.8	148.3	3.5	106020	
<1% fine-med diss py.		148.3	149.2	0.9	106021	

PAGE 13 OF | PROJECT: WIKA | HOLE NO. [illegible]

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.
				1492 - 1867							
				QFPH							
152				YELLOW-GREEN/WHITE QUARTZ FELDSPAR PORPHYRY							
				same as 144.8 - 148.8 above. sheared,							
154				deformed felsic porphyry w/ ≈ 15%							
				rectangular - subrounded white							
			60°	feldspar phenocrysts ~ 1-5 mm dia.							
156				Also ~ 5-10% grey/blue qtz phenos							
				usu lens shaped. Shearing induced							
158				foliation with yellow green sericite.							
				very fine grained qtz + feldspar							
160				groundmass							
				- occasional f.g. grey tuffaceous							
162				intervals up to 20 cm.							
				eg. 1625 - 1627							
164				- more deformed towards base of unit							
				- sharp lower ct. at 60° small qv							
166				(5 mm at ct.							
168											
170											
172											
174											
176											
178											
180											
182			90°								
				183.5 - 186.3 - sericite partings more frequent.							
184				brown mm scale bands - red brown Cb min ab.							
186			80°								
				1863 - 201.4							
				RDTT							
188				GREEN FINE-MED GRAINED RHYODACITE TUFF							
				heavy red brown (carbonate alteration?)							
				colour (same mineral as above) from ucon.							
190				to ~ 188.5 m. Rock is generally same							
				as 133.9 - 144.8 - fine mm scale							
192			25°	banding (foln) occasional qes.							
				rare rounded quartz knockels up to							
194				1 cm diam. lower contact somewhat							
				arbitrary.							
196											

PAGE 4 OF	PROJECT: WIKA	HOLE NO. 96-02

MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
~1% speckled pyrite, fine-coarse gr.		149.2	152.2	3.0	106022	
local banded pyrite, up to 2 cm.		152.2	155.2	3.0	106023	
		155.2	158.2	3.0	106024	
		158.2	161.2	3.0	106025	
		161.2	164.2	3.0	106026	
		164.2	167.2	3.0	106027	
		167.2	170.2	3.0	106028	
		170.2	173.2	3.0	106029	
		173.2	176.2	3.0	106030	
		176.2	179.2	3.0	106031	
		179.2	182.2	3.0	106032	
		182.2	184.2	2.0	106033	
		184.2	186.3	2.1	106034	
~2% diss-banded fine-med gr pyrite. locally up to 2 cm wide bands and disseminations of very coarse remobilized pyrite (195.3-195.6)		186.3	189.3	3.0	106035	
		189.3	192.3	3.0	106036	
		192.3	195.3	3.0	106037	

PAGE 15 OF | PROJECT: MK- | HOLE NO. 96-02

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
				201.4 - 211.7 RDXT: VARIABLE PYRITIFEROUS GREY/GREEN RHYODACITE CRYSTAL TUFF occasional q.e.s, medium gr. grey feldspar crystals, local "siliceous zones" w/ denser 1203.9 204.1 - qv, irregular cts. chloritic and coarse euhedral py within) packed rounded qtz + feldspar. rare saussenite and K-spar megacrysts (1cm)						
				211.7 - 214.9 RHTF (QFPH): GREY/BROWN COARSE RHYOLITE LAPILLI TUFF bc. + some gouge throughout unit - actually prob same as porphyry 149.2 - 186.3						
				214.9 - 268.2 QKAS: GREEN QUARTZ K-SPAR AUGEN SCHIST fairly arbitrary upper contact, although there is a sharp ending to the siliceous porphyry rock. variable unit, same as described above.						

PAGE 16 OF	PROJECT: wlk1	HOLE NO. 96-02

MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
		195.3	198.3	3.0	137038	
		198.3	201.4	3.1	137039	
2-3% pyrite, mainly secondary remobilized as coarse bands and disseminations throughout unit		201.4	204.4	3.0	137040	
		204.4	207.4	3.0	137041	
		207.4	209.7	2.3	137042	
		209.7	211.7	2.0	137043	
1-2% py, bands of fine py at 1cm wide + fine disseminations.		211.7	214.9	3.2	137044	
Mainly ff. diss. py, locally coarse remobilized py in bands up to 1cm wide.		214.9	217.9	3.0	137045	
		217.9	220.9	3.0	137046	
		220.9	223.9	3.0	137047	
		223.9	226.9	3.0	137048	
		226.9	229.9	3.0	137049	
		229.9	232.9	3.0	137050	

PAGE 17 OF | PROJECT: WIKE | HOLE NO. 96-02

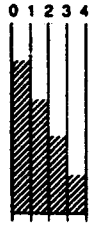
DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.
244											
246											
248											
250											
252											
254											
256											
258											
260											
262											
264											
266											
268				268.2 EOH							
270											
272											
274											
276											

EQUITY ENGINEERING LTD.

DRILL LOG

PROJECT: WIKA	GROUND ELEV.
HOLE NO.: 96-03	BEARING: 180°
LOCATION: 4000N 7400E	DIP: -45°
	TOTAL LENGTH: 149.4 m.
LOGGED BY: G. BRADSHAW	HORIZONTAL PROJECT
DATE: SEPT 1	VERTICAL PROJECT
CONTRACTOR: BRITTON BROS.	**ALTERATION SCALE**
CORE SIZE: NQ	
DATE STARTED: AUG 28	**TOTAL SULPHIDE SCALE**
DATE COMPLETED: AUG 30	
DIP TESTS: 149.4 m - 51°	

absent
slight
moderate
intense



traces only
< 1%
1% – 3%
3% – 10%
> 10%

COMMENTS

LEGEND

AGE | OF | PROJECT: WIKA | HOLE NO. 96-07

% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
			0-13.4 CASING							
			DHCS							
			13.2-19.2 GREY FELSITE							
			RHFS very poor recovery (50cm of b.c. over entire unit) unit contains quartz veining and sericite - along with siliceous prob tuffaceous pieces.							
			19.2-21.4 GREY GOUGE/FAULT ZONE							
			STGG clay like matrix, some broken core small rounded qtz granules.							
			21.4-27.4 QUARTZ K-SPAR AUGEN SCHIST							
			QKAS? mostly broken core rounded qtz frags densly packed among a green sericitic matrix. May be K-spar schist Poor Recovery.							
			27.4-30.4 FAULT/GOUGE ZONE							
			STGG badly gouged clay like core, rounded pebbles of siliceous material							
			30.4-33.3 GREY-GREEN RHYODACITE CRYSTAL TUFF							
			RDXT grey-green tuff with occasional blue quartz eyes and lens like qtz fragments							
			33.3-34.6 FAULT/GOUGE ZONE							
			STGG badly gouged felsic tuff? mix material							

PAGE 2 OF	PROJECT: WIKA	HOLE NO. 96-03

MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS				
		13.2	19.2	6.0	106051					
		19.2	21.4	2.2	106052					
		21.4	27.4	6.0	106053					
		27.4	30.4	3.0	106054					
- Fr f.g disseminated py		30.4	33.3	2.9	106055					
Fr. f.g. disseminated py.		33.3	34.6	1.3	106056					

PAGE 3 OF | PROJECT: WIKA | HOLE NO. 96-03

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
				31.6 - 36.6	GREY/GREEN RHYODACITE CRYSTAL TUFF							
36				RDXT	f.g. tuff with squashed grey feldspar /Hs							
37				36.6 - 39.3	FAULT/GOUGE ZONE							
				STGG	broken core - clay like gouge, prob							
38					rhy. tuff material.							
39												
			50°	39.3 - 42.7	GREY FINE GRAINED RHYOLITE TUFF							
40				RHTT	very fractured and ground up, v fine							
					grained, siliceous sericite chng foln.							
41												
					(41.0 - 41.1 - gouge zone)							
42												
43				42.7 - 42.9	PYRITE MASSIVE SULPHIDES							
			80°	SSMS	ground up rounded upper contact, broken core							
44				PYMS	at lower contact. interstitial calcite							
				42.9 - 43.6	FAULT/GOUGE ZONE							
45				STGG	badly gouged material, was prob a rhy tuff							
					brecciation, some siliceous frags, foln para to ca.							
46				43.6 - 49.7	GREEN/GREY FINE GRAINED DACITE TUFF							
				DCFF	green-grey f.g. tuff w qtz feldsp chl							
47					(45.4 - 46.0 - sand - no recovery)							
					(47.4 - 48.7 - gouge zone)							
48			80°		and minor calcite as mm scale bands							
					and stringers. minor sericite chng. foln.							
49					lower contact sharp but obscured by bc.							
50			65°	49.7 - 60.1	GREY MASSIVE-TUFFACEOUS LOCALLY CALCAREOUS							
				RHMS	RHYOLITE.							
51					→ bc at top of unit, mainly dark grey massive							
					tuffaceous rhyolite w streaks of calcite through-							
52					out. (40-50% calcite)							
					(52.1 - 52.3 - purple stained massive rhyolite (Mn?))							
53					51.9 may be a contact - all b.c. here,							
					→ 51.9 - 60.1 - a more glassy textured rhyolite							
54					with local patchy calcite alteration							
					"washed out green" mica (Ba?) is							
55					common along foliation along with							
					sericite shearing creates a slightly							
56					fragmental texture.							
			50°		(56.0 - 56.2 - clay like gouge zone)							
57												
58												

PAGE 4 OF	PROJECT: WIKA	HOLE NO. 96-03

MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
· Tr. f.g. pyrite along fractures.		34.6	36.6	2.0	106057	
· Tr. f.g. disseminated py		36.6	39.3	2.7	106058	
<1% diss. to crudely banded fine-med gr. pyrite		39.3	41.0	1.7	106059	
		41.0	42.7	1.7	106060	
Massive pyrite - >80% ranges from fine-coarse grained.		42.7	42.9	0.2	106061	
<1% v.f.g. diss. pyrite		42.9	43.6	0.7	106062	
<1% pyrite, disseminated and as coarse clots along foln.		43.6	49.7	6.1	106063	
5-10% pyrite - fine-coarse grained banded to semi massive, up to 10 cm, 1% pp in sub mm scale bands ass'l w/ pyrite		49.7	51.9	2.2	106064	
<1% red-brown sphalerite in mm scale streaks ass'l w/ pyrite + pp.		51.9	53.0	1.1	106065	
		53.0	54.6	1.6	106066	
		54.6	56.6	2.0	106067	
		56.6	57.6	2.0	106068	

PAGE 5 OF | PROJECT: WIKA | HOLE NO. 96-03

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
59												
60				60.1 - 63.7	FAULT / GOUGE ZONE							
61				STGG	yellow green clay like gouge, some siliceous fragments, occasional quartz veining. Looks like gouged up porphyry (see below)							
62												
63												
64				63.7 - 79.0	YELLOW GREEN / WHITE QUARTZ FELDSPAR PORPHYRY							
65				QFPH	very deformed rock with ob. yellow-green sericite along foliation, squashed qtz (65.8 - sub angular - subrounded qtz phens) + feldspar phenos form lens shapes up to 1x2 cm. Gradual contact with k-spar quartz augen schist below.							
66												
67					(67.1 - 67.4 - gouge zone)							
68												
69												
70												
71												
72												
73												
74												
75												
76												
77												
78												
79												
80				79.0 - 149.4	QUARTZ - K-SPAR AUGEN) SCHIST							
81				QKAS	variable mainly fine grained med-dark green chloritic rock w/ varying							

PAGE 6 OF	PROJECT: WIKA	HOLE NO. 96-03

MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS
		57.6	59.2	1.6	106069	
		59.2	60.1	0.9	106070	
		60.1	63.7	3.6	106071	
3-4% fine-coarse banded-diss. pyrite occasional crude pyrite bands up to 2 cm. specked fine-med. gr. disseminations throughout unit.		63.7	67.7	5.0	106072	
		67.7	70.1	2.4	106073	
		70.1	73.2	3.1	106074	
		73.2	76.2	3.0	106075	
		76.2	79.0	2.8	106076	
fine f.g. disseminated pyrite		79.0	82.0	3.0	106077	

PAGE 7 OF | PROJECT: WIKA | HOLE NO. 96-03

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
				amounts of med-coarse gr. yellow green saussurite. occasional late quartz veining. occasional sub rounded salmon pink k-spar phenocrysts up to 2cm. (83.05-83.2 - white quartz vein) local presence of red-brown possibly carbonate mineral as patches and bands. local fine-medium grained granular black chloritized feldspars. Local zones of densely packed white flattened qtz phenos.							
				96.3-97.2 - subunit consisting of very fine grained possibly tuffaceous light brown material, darker greenish partings calcite streaks throughout.							

-82 -83 -84 -85 -86 -87 -88 -89 -90 -91 -92 -93 -94 -95 -96 -97 -98 -99 -100 -101 -102 -103 -104

PAGE 8 OF	PROJECT: WIKA	HOLE NO. 96-03

MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS			
		82.0	85.0	3.0	106078				
		85.0	88.0	3.0	106079				
		88.0	91.0	3.0	106080				
		91.0	93.6	2.6	106081				
		93.6	96.3	2.7	106082				
		96.3	97.2	0.9	106083				
		97.2	102.7	5.5	106084				
		102.7	105.7	3.0	106085				

PAGE 9 OF | PROJECT: WIKA | HOLE NO. 9603

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.
106											
108											
110											
112											
114											
116											
118											
120											
122											
124											
126											
128											
130											
132											
134											
136											
138											
140											
142											
144											
146											
148											
150				149.4 EOH							

APPENDIX G

ASSAY CERTIFICATES

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 SHIPMENT 11
Comments: ATTN:TERRY TUCKER-VANCOUVER OFFICE

Page Number :5-B
Total Pages :5
Certificate Date: 03-OCT-96
Invoice No. :I9633258
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9633258

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)
275086	201	202	390	1	1.00	9	640	50	86	0.22	49	< 10	84
275087	201	202	355	1	1.69	7	220	22	222	0.25	50	< 10	68
275088	201	202	290	2	1.67	4	210	6	168	0.33	58	< 10	68
275089	201	202	315	< 1	1.68	5	200	10	178	0.26	49	< 10	62
275090	201	202	290	1	1.58	5	150	10	152	0.27	49	< 10	60
275091	201	202	355	3	1.33	7	180	16	123	0.22	43	< 10	80
275092	201	202	310	1	1.75	7	250	18	203	0.29	60	< 10	64
275093	201	202	440	2	1.42	11	240	38	169	0.32	86	< 10	98
275094	201	202	340	4	1.69	11	350	36	245	0.34	89	< 10	96
275095	201	202	310	1	2.06	5	200	8	289	0.26	51	< 10	54
275096	201	202	370	1	1.62	9	260	46	205	0.34	73	< 10	82
275097	201	202	440	3	1.80	16	810	30	258	0.41	87	30	86
275098	201	202	380	3	2.46	12	410	32	421	0.27	53	< 10	68
275099	201	202	365	2	2.00	10	430	20	290	0.31	58	< 10	70
275100	201	202	415	< 1	1.49	11	340	24	199	0.37	71	< 10	72

CERTIFICATION:

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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)
275086	201	202	< 5	< 0.2	6.49	700	1.5	< 2	0.33	< 0.5	6	27	14	3.53	2.52	0.57
275087	201	202	< 5	< 0.2	7.25	830	1.5	< 2	0.75	< 0.5	6	26	14	2.20	2.71	0.57
275088	201	202	< 5	< 0.2	7.54	880	1.5	< 2	0.53	< 0.5	6	30	11	1.73	2.63	0.52
275089	201	202	< 5	< 0.2	7.26	770	1.0	< 2	0.58	< 0.5	5	24	11	1.77	2.75	0.52
275090	201	202	< 5	< 0.2	7.01	750	1.0	< 2	0.48	< 0.5	4	27	8	1.49	2.61	0.49
275091	201	202	< 5	< 0.2	6.83	790	1.5	< 2	0.46	< 0.5	5	25	12	2.12	3.03	0.56
275092	201	202	< 5	< 0.2	7.40	830	1.5	< 2	0.70	< 0.5	6	31	10	1.95	2.66	0.57
275093	201	202	not/ss	< 0.2	7.98	980	1.5	2	0.61	< 0.5	7	45	16	2.84	2.82	0.77
275094	201	202	not/ss	< 0.2	8.03	960	1.5	< 2	0.82	< 0.5	7	44	21	2.57	2.43	0.73
275095	201	202	< 5	< 0.2	7.31	900	1.5	< 2	0.89	< 0.5	6	23	13	1.59	2.63	0.52
275096	201	202	< 5	< 0.2	8.08	960	1.5	< 2	0.77	< 0.5	7	40	14	2.59	2.99	0.72
275097	201	202	< 5	< 0.2	7.53	940	1.5	2	1.01	< 0.5	8	49	16	3.05	2.67	0.76
275098	201	202	not/ss	< 0.2	7.24	850	1.0	< 2	1.34	< 0.5	6	25	18	1.81	2.20	0.59
275099	201	202	< 5	< 0.2	7.07	810	1.0	2	1.03	< 0.5	6	39	14	1.87	2.28	0.59
275100	201	202	< 5	< 0.2	7.39	880	1.5	4	0.81	< 0.5	6	49	11	2.23	2.72	0.69

CERTIFICATION:

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Account :GP W

CERTIFICATE OF ANALYSIS A9633258

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AG1100E 1075N	201	202	1060	4	0.48	43	1010	8	84	0.32	164	< 10	84			
AG1100E 1100N	201	202	525	4	0.97	51	1020	6	142	0.37	136	< 10	64			
132951	201	202	310	2	1.35	8	180	16	136	0.29	62	< 10	58			
132952	201	202	370	3	1.58	4	170	6	164	0.27	62	< 10	62			
132953	201	202	295	2	1.58	3	110	8	140	0.22	40	< 10	54			
132954	201	202	320	1	1.64	5	220	4	156	0.32	65	< 10	60			
132955	201	202	345	2	1.61	6	360	12	177	0.27	60	< 10	66			
132956	201	202	260	< 1	1.60	4	420	4	174	0.34	60	< 10	54			
132957	201	202	910	4	1.29	12	590	132	145	0.19	45	< 10	182			
132958	201	202	580	2	1.32	12	1060	34	247	0.20	53	< 10	128			
132959	201	202	395	4	1.82	11	510	38	245	0.25	66	< 10	102			
132960	201	202	415	1	2.00	6	440	14	301	0.33	71	< 10	62			
132961	201	202	425	1	1.72	6	370	8	281	0.30	70	< 10	58			
132962	201	202	380	3	2.66	6	190	14	456	0.23	46	< 10	62			
132963	201	202	335	1	1.73	6	460	24	240	0.30	66	< 10	68			
132964	201	202	450	4	1.61	12	250	20	194	0.30	77	< 10	138			
132965	201	202	645	4	1.34	7	320	66	146	0.21	54	< 10	194			
132966	201	202	305	6	1.59	5	210	50	103	0.19	43	< 10	118			
132967	201	202	305	1	1.94	5	100	10	233	0.27	49	< 10	54			
132968	201	202	350	1	1.68	9	310	32	171	0.26	53	< 10	80			
132969	201	202	750	4	1.41	14	1350	64	284	0.18	46	< 10	172			
132970	201	202	1715	6	1.61	16	1550	128	294	0.22	62	< 10	118			
132971	201	202	460	3	1.78	8	170	26	292	0.32	75	< 10	68			
132972	201	202	355	1	1.97	4	130	8	283	0.30	60	< 10	56			
132973	201	202	450	2	1.83	7	140	10	248	0.36	80	< 10	66			
132974	201	202	1465	7	0.99	22	2340	176	237	0.20	74	< 10	142			
132975	201	202	325	1	1.80	3	140	12	209	0.33	73	< 10	54			
275073	201	202	285	2	1.73	3	150	6	217	0.27	45	< 10	56			
275074	201	202	320	1	2.13	3	260	10	321	0.23	42	< 10	56			
275075	201	202	275	1	1.43	4	80	14	135	0.32	63	< 10	52			
275076	201	202	270	2	1.56	5	160	20	180	0.29	52	< 10	52			
275077	201	202	370	3	1.48	7	280	68	142	0.25	55	< 10	90			
275078	201	202	325	2	1.99	4	180	230	256	0.23	40	< 10	66			
275079	201	202	585	8	1.69	9	160	158	218	0.27	62	< 10	86			
275080	201	202	280	1	1.50	4	150	10	131	0.23	39	< 10	66			
275081	201	202	320	1	2.00	4	170	42	252	0.23	42	< 10	62			
275082	201	202	295	1	1.45	4	50	10	129	0.24	46	< 10	64			
275083	201	202	365	2	2.81	5	300	18	497	0.25	47	< 10	60			
275084	201	202	290	1	1.76	5	380	268	223	0.27	44	< 10	60			
275085	201	202	295	1	1.34	7	220	22	148	0.34	76	< 10	58			

CERTIFICATION: Ian Bucklen

Chemex Labs Ltd.

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AG1100E 1075N	201	202	< 5	< 0.2	5.00	2680	0.5	< 2	0.21	< 0.5	12	162	39	2.85	1.60	0.72
AG1100E 1100N	201	202	< 5	< 0.2	5.52	1690	0.5	< 2	0.56	< 0.5	9	130	26	2.51	1.71	0.92
132951	201	202	< 5	< 0.2	6.86	850	1.5	< 2	0.47	< 0.5	5	26	7	2.01	2.67	0.58
132952	201	202	< 5	< 0.2	6.92	930	1.5	2	0.57	< 0.5	6	25	9	1.92	2.92	0.62
132953	201	202	< 5	< 0.2	7.22	840	1.5	< 2	0.42	< 0.5	4	18	5	1.37	3.04	0.50
132954	201	202	< 5	< 0.2	7.42	900	1.5	4	0.53	< 0.5	5	28	6	1.69	2.86	0.65
132955	201	202	< 5	< 0.2	6.92	840	1.5	< 2	0.58	< 0.5	5	24	11	2.05	2.71	0.57
132956	201	202	< 5	< 0.2	6.73	780	1.0	2	0.54	< 0.5	5	27	10	1.31	2.18	0.48
132957	201	202	< 5	< 0.2	9.36	1140	2.5	< 2	0.76	< 0.5	9	34	38	2.74	3.94	0.87
132958	201	202	< 5	0.8	6.35	1150	1.5	2	2.02	1.0	8	36	38	2.08	2.16	0.67
132959	201	202	< 5	0.4	8.32	1130	2.0	< 2	0.92	< 0.5	7	38	24	2.44	2.82	0.80
132960	201	202	< 5	< 0.2	7.73	880	1.0	< 2	1.38	< 0.5	6	38	11	2.13	2.41	0.85
132961	201	202	< 5	< 0.2	7.55	900	1.5	2	1.29	< 0.5	6	33	8	2.11	2.76	0.82
132962	201	202	< 5	< 0.2	7.86	960	1.0	< 2	1.43	< 0.5	7	19	18	1.83	2.44	0.65
132963	201	202	< 5	< 0.2	7.16	940	1.5	< 2	0.84	< 0.5	5	31	16	1.82	2.40	0.64
132964	201	202	< 5	< 0.2	8.10	1130	1.5	2	0.78	< 0.5	8	36	26	2.75	2.98	0.94
132965	201	202	< 5	< 0.2	7.14	880	1.5	< 2	0.63	< 0.5	10	30	30	2.45	3.12	0.78
132966	201	202	< 5	< 0.2	8.79	1160	2.5	< 2	0.32	< 0.5	6	20	32	2.94	3.60	0.74
132967	201	202	< 5	< 0.2	7.39	910	1.5	< 2	0.83	< 0.5	4	25	8	1.49	2.89	0.58
132968	201	202	< 5	< 0.2	7.30	970	2.0	< 2	0.91	< 0.5	7	35	17	2.02	3.14	0.74
132969	201	202	< 5	1.4	6.60	920	2.0	2	1.70	1.5	9	40	89	2.03	1.84	0.60
132970	201	202	< 5	1.2	7.42	1090	2.0	8	1.56	2.0	14	40	51	2.40	2.17	0.68
132971	201	202	< 5	< 0.2	7.36	930	1.5	< 2	1.24	0.5	6	34	11	2.18	2.81	0.86
132972	201	202	< 5	< 0.2	7.20	840	1.0	< 2	1.04	< 0.5	5	29	9	1.79	2.43	0.74
132973	201	202	< 5	< 0.2	7.54	870	1.0	< 2	1.09	< 0.5	6	40	8	2.26	2.71	0.88
132974	201	202	< 5	0.4	5.96	1180	2.0	< 2	1.56	2.5	15	48	105	3.09	1.38	0.56
132975	201	202	< 5	< 0.2	7.17	970	1.5	2	0.79	< 0.5	6	35	9	1.71	2.72	0.63
275073	201	202	< 5	< 0.2	7.26	770	1.0	< 2	0.68	< 0.5	4	19	9	1.43	2.43	0.50
275074	201	202	< 5	< 0.2	7.36	920	1.5	< 2	0.93	< 0.5	4	18	12	1.44	2.68	0.50
275075	201	202	< 5	< 0.2	7.29	870	1.5	< 2	0.49	< 0.5	4	31	4	1.50	2.84	0.56
275076	201	202	< 5	< 0.2	7.15	870	1.5	< 2	0.55	< 0.5	4	21	7	1.42	2.73	0.54
275077	201	202	< 5	< 0.2	7.79	990	2.0	< 2	0.53	< 0.5	5	29	12	1.98	3.16	0.60
275078	201	202	< 5	< 0.2	7.74	910	1.5	< 2	0.77	< 0.5	5	19	10	1.52	3.12	0.53
275079	201	202	< 5	< 0.2	8.35	1040	1.5	< 2	0.68	< 0.5	7	34	16	2.43	2.93	0.65
275080	201	202	< 5	< 0.2	7.55	870	1.5	< 2	0.38	< 0.5	4	18	7	1.52	3.19	0.51
275081	201	202	< 5	< 0.2	7.64	940	1.5	< 2	0.74	< 0.5	4	18	11	1.65	3.11	0.54
275082	201	202	< 5	< 0.2	7.77	930	2.0	< 2	0.40	< 0.5	4	23	7	1.63	3.34	0.58
275083	201	202	< 5	< 0.2	7.89	970	1.0	2	1.50	< 0.5	7	13	17	1.71	2.50	0.60
275084	201	202	< 5	< 0.2	6.85	750	1.0	4	0.69	< 0.5	5	19	10	1.44	2.40	0.47
275085	201	202	< 5	< 0.2	6.76	860	1.5	< 2	0.49	< 0.5	5	35	10	1.78	2.53	0.47

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 SHIPMENT 11
Comments: ATTN:TERRY TUCKER-VANCOUVER OFFICE

Page Number :3-B
Total Pages :5
Certificate Date: 03-OCT-96
Invoice No. :I9633258
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9633258

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)			
AG900E 0950N	201	202	565	5	0.55	60	930	12	73	0.32	191	< 10	132			
AG900E 0975N	201	202	225	3	0.78	15	640	10	101	0.42	139	< 10	52			
AG900E 1000N	201	202	185	3	0.45	22	740	6	65	0.42	210	< 10	64			
AG900E 1025N	201	202	845	3	0.41	56	1020	6	64	0.33	153	< 10	106			
AG900E 1050N	201	202	1345	4	1.83	33	1020	10	326	0.28	118	< 10	78			
AG900E 1075N	201	202	1320	21	0.49	137	1620	6	32	1.31	240	10	400			
AG900E 1100N	201	202	340	9	0.73	23	710	34	109	0.50	191	< 10	96			
AG950E 0900N	201	202	165	6	0.65	24	610	10	94	0.45	172	< 10	74			
AG950E 0925N	201	202	305	7	0.48	41	790	12	68	0.52	229	< 10	118			
AG950E 0950N	201	202	270	5	0.47	27	590	8	66	0.45	170	< 10	84			
AG950E 0975N	201	202	280	3	0.56	24	510	8	71	0.44	178	< 10	74			
AG950E 1000N	201	202	345	3	0.48	30	600	8	64	0.42	200	< 10	76			
AG950E 1025N	201	202	815	4	0.49	62	1250	10	69	0.37	156	< 10	142			
AG950E 1050N	201	202	1350	5	0.53	68	1010	8	79	0.40	181	< 10	134			
AG950E 1075N	201	202	670	8	0.80	36	1440	10	143	0.23	147	< 10	160			
AG950E 1100N	201	202	210	7	0.93	28	1100	20	170	0.48	274	< 10	114			
AG1000E 0900N	201	202	225	5	0.70	37	930	12	107	0.42	177	< 10	104			
AG1000E 0925N	201	202	115	3	0.51	18	370	6	66	0.47	157	< 10	62			
AG1000E 0950N	201	202	285	4	0.58	32	560	8	70	0.49	182	< 10	86			
AG1000E 0975N	201	202	185	4	0.47	24	800	6	68	0.41	157	< 10	70			
AG1000E 1025N	201	202	1335	9	0.60	53	2190	10	101	0.33	176	< 10	90			
AG1000E 1050N	201	202	1375	4	1.56	21	1620	6	287	0.28	110	< 10	74			
AG1000E 1075N	201	202	165	3	0.70	45	2870	6	162	0.19	168	< 10	74			
AG1000E 1100N	201	202	235	6	0.65	30	900	8	127	0.48	250	< 10	100			
AG1050E 0900N	201	202	860	5	0.47	113	1300	6	77	0.41	183	< 10	212			
AG1050E 0925N	201	202	530	4	0.54	55	710	8	75	0.40	160	< 10	122			
AG1050E 0950N	201	202	560	6	0.60	51	820	10	84	0.44	198	< 10	120			
AG1050E 0975N	201	202	770	12	0.50	113	2420	20	135	0.47	750	10	252			
AG1050E 1000N	201	202	1660	5	0.56	60	1110	10	83	0.35	242	< 10	112			
AG1050E 1025N	201	202	625	4	1.41	52	1910	< 2	253	0.49	195	< 10	90			
AG1050E 1050N	201	202	400	6	0.66	38	1190	10	99	0.42	176	< 10	86			
AG1050E 1075N	201	202	385	3	0.79	21	650	10	126	0.32	140	< 10	50			
AG1050E 1100N	201	202	410	3	0.66	59	1610	8	118	0.34	159	< 10	106			
AG1100E 0900N	201	202	880	15	0.89	77	1780	14	214	0.35	438	< 10	182			
AG1100E 0925N	201	202	560	7	1.34	38	1380	12	270	0.26	171	< 10	96			
AG1100E 0950N	201	202	285	8	1.10	31	1520	14	219	0.25	256	< 10	80			
AG1100E 0975N	201	202	960	10	0.56	65	2140	14	101	0.34	322	< 10	142			
AG1100E 1000N	201	202	310	5	0.71	37	1080	10	108	0.45	196	< 10	108			
AG1100E 1025N	201	202	570	5	0.61	55	1790	12	82	0.40	254	< 10	116			
AG1100E 1050N	201	202	1585	6	1.29	43	3030	14	243	0.24	161	< 10	88			

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 SHIPMENT 11
Comments: ATTN:TERRY TUCKER-VANCOUVER OFFICE

Page Number :3 A
Total Pages :5
Certificate Date: 03 OCT-96
Invoice No. :19633258
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9633258

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)
AG900E 0950N	201 202	5	1.0	6.24	2600	1.5	< 2	0.34	< 0.5	14	139	79	3.81	1.62	0.90
AG900E 0975N	201 202	< 5	0.4	5.51	1530	0.5	< 2	0.37	< 0.5	5	80	23	1.66	1.56	0.48
AG900E 1000N	201 202	< 5	0.6	5.45	2500	1.0	< 2	0.21	< 0.5	5	112	24	1.51	1.86	0.58
AG900E 1025N	201 202	5	0.4	5.45	2760	1.0	< 2	0.55	< 0.5	14	111	44	2.95	1.64	0.97
AG900E 1050N	201 202	< 5	0.6	7.10	2510	1.0	< 2	1.23	< 0.5	12	68	44	2.51	1.99	0.84
AG900E 1075N	201 202	35	0.4	8.43	6840	0.5	< 2	0.22	1.0	44	211	157	11.75	2.50	1.43
AG900E 1100N	201 202	< 5	< 0.2	7.44	2080	1.5	< 2	0.30	< 0.5	7	105	61	3.08	2.89	0.82
AG950E 0900N	201 202	< 5	0.4	5.23	2330	0.5	< 2	0.31	< 0.5	5	93	31	2.24	1.59	0.59
AG950E 0925N	201 202	< 5	0.6	5.73	2160	0.5	< 2	0.19	< 0.5	9	126	52	3.38	1.55	0.68
AG950E 0950N	201 202	< 5	< 0.2	5.08	1950	0.5	4	0.21	< 0.5	8	88	37	2.49	1.48	0.55
AG950E 0975N	201 202	< 5	< 0.2	5.66	1600	0.5	< 2	0.24	< 0.5	6	92	23	2.45	1.49	0.57
AG950E 1000N	201 202	< 5	0.4	6.09	2450	1.0	< 2	0.21	< 0.5	8	119	28	2.39	1.95	0.72
AG950E 1025N	201 202	35	0.6	5.37	2500	1.0	< 2	0.40	< 0.5	15	113	58	3.23	1.71	1.03
AG950E 1050N	201 202	10	0.4	6.52	3320	1.5	< 2	0.60	< 0.5	19	141	65	3.71	1.83	1.20
AG950E 1075N	201 202	< 5	0.4	5.53	2830	0.5	< 2	0.55	< 0.5	8	61	57	3.78	1.62	0.46
AG950E 1100N	201 202	< 5	0.8	7.03	3540	1.5	2	0.44	< 0.5	7	115	43	2.73	2.33	0.58
AG1000E 0900N	201 202	< 5	0.6	5.52	1980	0.5	< 2	0.31	< 0.5	8	104	41	3.63	1.53	0.68
AG1000E 0925N	201 202	< 5	< 0.2	4.54	1710	0.5	< 2	0.24	< 0.5	4	83	20	1.37	1.31	0.43
AG1000E 0950N	201 202	< 5	< 0.2	6.09	1830	0.5	< 2	0.23	< 0.5	8	114	31	3.06	1.60	0.68
AG1000E 0975N	201 202	< 5	< 0.2	5.50	3420	1.0	< 2	0.18	< 0.5	6	93	28	1.83	1.69	0.51
AG1000E 1025N	201 202	10	1.4	5.96	3250	1.0	< 2	0.53	0.5	17	139	63	3.35	1.42	0.93
AG1000E 1050N	201 202	< 5	0.4	5.61	2340	1.0	2	0.90	0.5	12	115	31	1.66	1.75	0.56
AG1000E 1075N	201 202	< 5	2.4	4.48	2560	0.5	2	0.72	1.5	5	136	58	2.04	1.14	0.52
AG1000E 1100N	201 202	< 5	0.4	6.03	3380	1.5	2	0.32	< 0.5	7	147	40	2.33	2.03	0.59
AG1050E 0900N	201 202	< 5	0.2	5.93	4380	1.0	< 2	0.31	0.5	20	260	63	4.17	1.80	1.23
AG1050E 0925N	201 202	< 5	< 0.2	6.11	2510	1.0	< 2	0.27	< 0.5	13	113	55	3.52	1.94	1.00
AG1050E 0950N	201 202	< 5	0.4	6.49	2720	1.0	< 2	0.30	< 0.5	12	122	50	3.58	1.97	0.88
AG1050E 0975N	201 202	50	3.6	12.00	7820	3.0	6	0.24	2.0	20	302	151	5.33	3.80	1.28
AG1050E 1000N	201 202	15	0.8	6.67	4430	1.5	< 2	0.38	< 0.5	17	138	51	3.33	1.84	0.97
AG1050E 1025N	201 202	< 5	1.8	7.30	3600	1.0	4	0.95	0.5	15	135	47	2.75	1.79	0.62
AG1050E 1050N	201 202	< 5	0.8	6.26	3110	1.0	< 2	0.48	0.5	11	111	35	3.57	1.68	0.83
AG1050E 1075N	201 202	< 5	0.4	5.54	2310	1.0	< 2	0.41	0.5	7	102	36	1.90	1.69	0.59
AG1050E 1100N	201 202	< 5	1.8	5.88	2700	1.0	2	0.53	0.5	10	149	43	2.77	1.82	1.14
AG1100E 0900N	201 202	20	3.2	9.78	4410	1.5	< 2	0.55	< 0.5	17	213	99	5.62	2.42	1.07
AG1100E 0925N	201 202	10	1.6	6.60	2830	1.0	< 2	0.86	0.5	11	90	57	2.55	1.88	0.69
AG1100E 0950N	201 202	< 5	2.0	7.30	2650	1.5	< 2	0.64	< 0.5	7	117	74	2.35	1.86	0.64
AG1100E 0975N	201 202	15	2.2	8.33	4110	1.5	< 2	0.32	1.0	16	184	100	4.10	2.21	0.99
AG1100E 1000N	201 202	< 5	< 0.2	5.88	2130	0.5	< 2	0.37	< 0.5	9	119	45	3.17	1.73	0.66
AG1100E 1025N	201 202	< 5	1.2	8.45	3660	2.0	< 2	0.27	1.0	11	167	105	3.30	2.38	0.81
AG1100E 1050N	201 202	< 5	2.0	7.28	3070	1.5	< 2	0.76	1.0	21	103	80	3.65	1.89	0.62

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 SHIPMENT 11
Comments: ATTN:TERRY TUCKER-VANCOUVER OFFICE

P... ber :2-B
Total ...ages :5
Certificate Date: 03-OCT-96
Invoice No. :I9633258
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9633258

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)			
AF900E 1050N	201	202	275	6	0.54	43	630	12	77	0.40	181	< 10	124			
AF900E 1075N	201	202	1715	6	0.67	85	1440	10	102	0.27	171	< 10	140			
AF900E 1100N	201	202	550	4	0.35	58	680	14	49	0.32	164	< 10	118			
AF950E 0900N	201	202	495	5	0.87	72	1340	10	87	0.46	199	< 10	160			
AF950E 0925N	201	202	625	3	0.61	47	2070	8	103	0.49	194	< 10	106			
AF950E 0950N	201	202	335	5	0.84	33	890	10	140	0.44	181	< 10	104			
AF950E 0975N	201	202	370	5	0.64	32	820	12	83	0.48	207	< 10	90			
AF950E 1000N	201	202	185	8	0.53	31	970	12	100	0.47	229	< 10	114			
AF950E 1025N	201	202	310	8	0.73	45	700	14	65	0.41	206	< 10	104			
AF950E 1050N	201	202	530	6	0.55	67	1000	12	93	0.55	267	< 10	172			
AF950E 1075N	201	202	200	3	0.95	23	780	6	145	0.42	164	< 10	86			
AF950E 1100N	201	202	275	9	0.33	19	880	24	52	0.45	233	< 10	82			
AF1000E 0900N	201	202	535	4	0.67	50	2240	12	106	0.40	238	< 10	140			
AF1000E 0925N	201	202	2050	6	0.86	66	3910	8	145	0.34	184	< 10	172			
AF1000E 0950N	201	202	2170	5	0.67	55	4420	8	125	0.29	166	< 10	142			
AF1000E 0975N	201	202	1135	6	0.54	56	3370	10	136	0.37	214	< 10	158			
AF1000E 1025N	201	202	2080	4	0.73	66	2880	16	179	0.32	192	< 10	194			
AF1000E 1050N	201	202	1350	5	0.90	51	3500	10	219	0.28	200	< 10	124			
AF1000E 1075N	201	202	1550	4	0.46	68	2720	10	107	0.31	195	< 10	166			
AF1000E 1100N	201	202	1145	4	0.79	39	2440	6	173	0.24	130	< 10	120			
AF1050E 0900N	201	202	275	4	1.31	25	950	6	91	0.51	156	< 10	62			
AF1050E 0925N	201	202	760	5	0.94	49	1360	12	149	0.33	191	< 10	112			
AF1050E 0950N	201	202	425	5	0.57	62	730	10	71	0.55	222	< 10	124			
AF1050E 0975N	201	202	200	3	0.76	23	660	6	120	0.58	246	< 10	74			
AF1050E 1000N	201	202	825	6	0.87	83	1270	10	126	0.43	282	10	204			
AF1050E 1025N	201	202	610	7	0.51	48	1330	10	101	0.41	248	< 10	116			
AF1050E 1050N	201	202	320	6	1.69	39	1190	10	322	0.25	199	< 10	96			
AF1050E 1075N	201	202	125	10	0.56	32	780	6	140	0.76	350	< 10	178			
AF1050E 1100N	201	202	125	15	0.52	30	1240	10	151	0.47	403	< 10	180			
AF1100E 0900N	201	202	310	2	0.72	27	860	6	70	0.42	170	< 10	64			
AF1100E 0925N	201	202	295	5	0.56	34	670	10	67	0.50	201	< 10	102			
AF1100E 0950N	201	202	370	5	0.73	32	870	12	96	0.42	177	< 10	92			
AF1100E 0975N	201	202	245	3	0.89	19	850	6	102	0.40	146	< 10	58			
AF1100E 1000N	201	202	150	3	1.04	12	1620	4	108	0.52	131	< 10	44			
AF1100E 1025N	201	202	340	6	0.64	42	1810	14	86	0.62	274	< 10	108			
AF1100E 1050N	201	202	270	4	1.47	23	710	10	234	0.38	127	< 10	54			
AF1100E 1075N	201	202	160	4	1.10	13	840	10	185	0.48	208	< 10	54			
AF1100E 1100N	201	202	165	2	0.76	21	520	6	107	0.50	199	< 10	68			
AG900E 0900N	201	202	275	4	0.66	33	740	10	97	0.42	178	< 10	90			
AG900E 0925N	201	202	375	6	0.59	38	760	8	84	0.43	218	< 10	106			

CERTIFICATION: Stuart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
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Project : 6410 SHIPMENT 11
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Page Number :2-A
Total Pages :5
Certificate Date: 03-OCT-96
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CERTIFICATE OF ANALYSIS A9633258

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)
AF900E 1050N	201	202	< 5	< 0.2	5.60	1890	0.5	< 2	0.26	< 0.5	9	118	47	4.17	1.58	0.73
AF900E 1075N	201	202	< 5	0.8	6.15	2740	1.5	< 2	0.63	< 0.5	22	161	70	3.88	1.63	1.11
AF900E 1100N	201	202	< 5	< 0.2	6.21	2550	1.0	< 2	0.13	0.5	13	119	55	4.51	2.00	0.85
AF950E 0900N	201	202	< 5	< 0.2	6.55	2160	1.5	< 2	0.72	< 0.5	16	170	42	3.90	1.99	1.43
AF950E 0925N	201	202	< 5	< 0.2	6.62	2530	1.5	< 2	0.85	< 0.5	11	144	33	3.53	1.91	1.19
AF950E 0950N	201	202	< 5	< 0.2	6.08	1960	0.5	2	0.41	< 0.5	9	108	48	3.18	1.67	0.57
AF950E 0975N	201	202	< 5	< 0.2	5.56	1570	0.5	< 2	0.26	< 0.5	8	108	33	3.33	1.46	0.60
AF950E 1000N	201	202	< 5	< 0.2	5.84	3410	1.0	< 2	0.25	0.5	8	125	55	2.96	1.67	0.49
AF950E 1025N	201	202	< 5	< 0.2	6.21	1720	0.5	< 2	0.31	< 0.5	9	130	29	4.03	1.67	0.94
AF950E 1050N	201	202	< 5	< 0.2	8.07	2930	1.5	< 2	0.30	< 0.5	15	176	66	5.04	2.28	1.06
AF950E 1075N	201	202	< 5	< 0.2	6.48	2240	1.0	< 2	0.41	< 0.5	6	89	32	2.15	2.02	0.51
AF950E 1100N	201	202	< 5	< 0.2	6.86	3630	1.5	< 2	0.10	< 0.5	5	101	48	3.10	2.54	0.63
AF1000E 0900N	201	202	< 5	1.6	6.81	3180	1.5	< 2	0.94	< 0.5	11	157	33	4.27	1.54	1.11
AF1000E 0925N	201	202	< 5	0.4	6.60	3030	2.0	< 2	1.14	< 0.5	17	142	56	4.14	1.39	1.00
AF1000E 0950N	201	202	< 5	1.2	5.99	3160	1.5	< 2	0.75	1.0	14	126	52	3.86	1.34	0.77
AF1000E 0975N	201	202	< 5	1.4	7.33	3650	2.0	< 2	0.82	< 0.5	16	127	78	4.28	2.12	0.81
AF1000E 1025N	201	202	5	2.0	6.77	3040	1.5	< 2	1.21	3.0	15	118	82	4.30	1.77	0.85
AF1000E 1050N	201	202	< 5	4.6	7.09	3810	2.0	< 2	1.25	< 0.5	12	109	107	3.47	1.81	0.73
AF1000E 1075N	201	202	< 5	1.6	6.30	3830	1.5	< 2	0.87	0.5	16	122	83	5.25	1.58	0.90
AF1000E 1100N	201	202	< 5	1.0	5.36	2630	1.0	< 2	1.02	1.0	12	80	46	3.00	1.47	0.73
AF1050E 0900N	201	202	< 5	< 0.2	6.49	1900	1.0	< 2	0.38	< 0.5	5	123	29	2.08	1.52	0.71
AF1050E 0925N	201	202	< 5	< 0.2	7.08	2240	1.0	< 2	0.52	< 0.5	13	145	56	3.78	1.91	0.81
AF1050E 0950N	201	202	< 5	< 0.2	5.82	2040	1.0	< 2	0.25	< 0.5	14	165	46	4.18	1.54	0.94
AF1050E 0975N	201	202	< 5	< 0.2	7.32	4050	1.5	< 2	0.28	< 0.5	7	125	25	2.32	2.57	0.54
AF1050E 1000N	201	202	< 5	0.4	8.39	3330	2.0	< 2	0.44	< 0.5	22	178	76	4.72	2.82	1.22
AF1050E 1025N	201	202	< 5	< 0.2	6.97	2850	1.5	< 2	0.21	< 0.5	15	167	87	4.88	2.34	0.82
AF1050E 1050N	201	202	< 5	2.0	8.40	2990	1.5	< 2	1.03	< 0.5	9	111	72	3.08	2.54	0.76
AF1050E 1075N	201	202	< 5	< 0.2	10.10	8620	3.0	< 2	0.16	< 0.5	8	183	49	3.57	3.84	0.90
AF1050E 1100N	201	202	< 5	0.8	6.68	1650	2.0	< 2	0.19	< 0.5	6	131	68	3.94	2.37	0.58
AF1100E 0900N	201	202	< 5	< 0.2	5.45	1630	0.5	< 2	0.29	< 0.5	6	120	19	2.19	1.52	0.73
AF1100E 0925N	201	202	< 5	< 0.2	5.06	1530	0.5	< 2	0.25	< 0.5	9	114	36	2.79	1.27	0.54
AF1100E 0950N	201	202	< 5	< 0.2	5.47	1620	0.5	< 2	0.32	< 0.5	8	111	28	4.09	1.46	0.68
AF1100E 0975N	201	202	< 5	< 0.2	5.17	1370	0.5	< 2	0.44	< 0.5	5	93	16	1.93	1.59	0.60
AF1100E 1000N	201	202	< 5	< 0.2	5.22	1300	0.5	< 2	0.38	< 0.5	4	88	19	1.40	1.57	0.47
AF1100E 1025N	201	202	< 5	0.6	7.71	3420	1.5	< 2	0.31	< 0.5	10	157	39	4.46	2.43	0.88
AF1100E 1050N	201	202	< 5	0.6	6.10	2600	1.0	< 2	0.77	0.5	5	74	48	1.53	1.92	0.47
AF1100E 1075N	201	202	< 5	< 0.2	6.52	2320	1.0	< 2	0.50	0.5	4	100	28	1.59	1.82	0.45
AF1100E 1100N	201	202	< 5	0.6	6.02	2240	1.0	< 2	0.30	< 0.5	6	99	26	1.76	1.95	0.49
AG900E 0900N	201	202	< 5	0.4	5.21	1740	0.5	< 2	0.34	< 0.5	8	102	34	2.90	1.40	0.60
AG900E 0925N	201	202	< 5	0.8	5.51	2210	1.0	< 2	0.27	< 0.5	8	118	43	3.15	1.52	0.68

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 SHIPMENT 11
Comments: ATTN:TERRY TUCKER-VANCOUVER OFFICE

Page Number :1-B
Total Pages :5
Certificate Date: 03-OCT-96
Invoice No. :I9633258
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9633258

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)			
AE950E 0900N	201	202	535	1	1.75	128	240	10	245	0.40	106	< 10	66			
AE950E 0925N	201	202	1320	4	2.27	98	330	10	391	0.32	91	< 10	92			
AE950E 0950N	201	202	695	3	0.95	455	760	10	166	0.24	112	< 10	96			
AE950E 0975N	201	202	615	1	1.17	457	1190	6	221	0.18	92	< 10	70			
AE950E 1000N	201	202	715	3	1.27	191	870	8	165	0.35	131	< 10	78			
AE950E 1025N	201	202	575	2	1.15	113	440	6	128	0.40	113	< 10	62			
AE950E 1050N	201	202	640	1	1.20	177	510	6	128	0.39	129	< 10	78			
AE950E 1075N	201	202	830	3	0.84	190	770	10	81	0.37	129	< 10	96			
AE950E 1100N	201	202	790	1	1.20	143	670	14	137	0.38	109	< 10	62			
AE1000E 0900N	201	202	745	1	1.37	207	700	10	159	0.44	132	< 10	78			
AE1000E 0925N	201	202	825	1	1.07	179	920	12	138	0.38	138	< 10	82			
AE1000E 0950N	201	202	745	3	1.69	309	1040	10	333	0.18	79	< 10	76			
AE1000E 0975N	201	202	935	3	1.52	232	910	10	265	0.23	111	< 10	92			
AE1000E 1025N	201	202	1020	1	1.66	275	490	10	260	0.27	98	< 10	94			
AE1000E 1050N	201	202	1035	1	0.93	620	1970	12	174	0.21	95	< 10	70			
AE1000E 1075N	201	202	860	3	0.98	431	350	8	120	0.34	124	< 10	64			
AE1000E 1100N	201	202	1600	2	0.80	658	600	6	104	0.25	97	< 10	56			
AE1050E 0900N	201	202	740	1	1.34	173	840	8	192	0.37	120	< 10	80			
AE1050E 0925N	201	202	750	3	1.37	207	1050	12	239	0.25	107	< 10	96			
AE1050E 0950N	201	202	750	3	1.13	238	860	8	150	0.40	137	< 10	88			
AE1050E 0975N	201	202	765	1	1.12	228	810	8	148	0.37	126	< 10	90			
AE1050E 1000N	201	202	910	2	0.70	266	980	10	93	0.29	140	< 10	92			
AE1050E 1025N	201	202	755	1	0.89	203	750	10	128	0.36	114	< 10	74			
AE1050E 1050N	201	202	970	1	0.78	110	750	12	142	0.31	103	< 10	92			
AE1050E 1075N	201	202	1250	3	1.09	381	260	12	105	0.33	123	< 10	168			
AE1050E 1100N	201	202	430	1	1.47	190	210	26	59	0.39	126	< 10	142			
AE1100E 0900N	201	202	975	1	0.95	203	800	10	119	0.36	127	< 10	84			
AE1100E 0925N	201	202	810	2	1.90	140	600	8	324	0.32	112	< 10	94			
AE1100E 0950N	201	202	735	2	1.57	163	800	6	279	0.29	86	< 10	68			
AE1100E 0975N	201	202	820	1	0.63	166	670	4	72	0.34	93	< 10	66			
AE1100E 1000N	201	202	1510	2	1.13	293	900	4	140	0.47	155	< 10	96			
AE1100E 1050N	201	202	1735	3	0.87	106	830	10	157	0.28	115	< 10	102			
AE1100E 1075N	201	202	690	3	0.97	75	710	14	125	0.36	153	< 10	100			
AE1100E 1100N	201	202	720	2	0.95	73	670	8	102	0.39	126	< 10	78			
AF900E 0900N	201	202	810	8	0.83	63	1630	12	103	0.39	281	< 10	170			
AF900E 0925N	201	202	260	5	0.51	38	770	10	63	0.50	218	< 10	110			
AF900E 0950N	201	202	205	4	0.74	36	810	12	93	0.55	248	< 10	92			
AF900E 0975N	201	202	355	5	0.89	31	1170	10	133	0.47	208	< 10	126			
AF900E 1000N	201	202	80	18	0.57	27	950	28	125	0.81	743	< 10	78			
AF900E 1025N	201	202	140	6	0.78	24	470	10	72	0.45	170	< 10	74			

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project : 6410 SHIPMENT 11
Comments: ATTN:TERRY TUCKER-VANCOUVER OFFICE

Page Number :1-A
Total Pages :5
Certificate Date: 03-OCT-96
Invoice No. :I9633258
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9633258

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)
AE950E 0900N	201	202	< 5	< 0.2	5.70	760	0.5	< 2	1.23	< 0.5	19	473	11	2.91	1.68	1.94
AE950E 0925N	201	202	< 5	< 0.2	6.79	860	0.5	< 2	1.65	< 0.5	41	327	39	3.15	1.89	1.36
AE950E 0950N	201	202	< 5	< 0.2	5.13	850	0.5	< 2	1.36	< 0.5	36	430	62	3.63	1.23	3.16
AE950E 0975N	201	202	< 5	< 0.2	5.22	810	0.5	< 2	1.25	< 0.5	28	444	61	3.42	1.18	2.89
AE950E 1000N	201	202	< 5	< 0.2	5.89	1050	1.0	4	1.30	< 0.5	21	309	35	3.56	1.46	2.11
AE950E 1025N	201	202	15	< 0.2	5.14	1020	0.5	2	1.06	< 0.5	14	245	21	2.76	1.40	1.45
AE950E 1050N	201	202	< 5	< 0.2	5.27	960	0.5	< 2	1.25	< 0.5	28	339	14	3.84	1.18	2.47
AE950E 1075N	201	202	< 5	< 0.2	5.26	1190	0.5	< 2	0.78	< 0.5	30	335	31	4.11	1.43	2.48
AE950E 1100N	201	202	< 5	< 0.2	5.22	1160	1.0	< 2	1.06	< 0.5	20	217	37	2.96	1.41	1.94
AE1000E 0900N	201	202	< 5	< 0.2	5.79	1000	0.5	< 2	1.66	< 0.5	29	344	30	3.30	1.41	3.03
AE1000E 0925N	201	202	< 5	< 0.1	5.67	1140	0.5	2	1.25	< 0.5	24	269	33	3.30	1.41	2.10
AE1000E 0950N	201	202	< 5	0.4	6.32	940	1.0	< 2	1.39	< 0.5	17	157	64	3.00	1.51	1.30
AE1000E 0975N	201	202	< 5	0.4	6.87	1120	1.0	< 2	1.24	< 0.5	25	214	52	3.47	1.67	1.71
AE1000E 1025N	201	202	< 5	< 0.2	6.07	900	0.5	< 2	1.29	< 0.5	42	307	31	3.51	1.62	2.79
AE1000E 1050N	201	202	< 5	0.4	4.57	1130	0.5	< 2	1.40	0.5	25	358	90	3.46	1.02	2.69
AE1000E 1075N	201	202	< 5	< 0.2	5.08	1120	0.5	< 2	1.07	< 0.5	39	526	39	3.67	1.32	4.57
AE1000E 1100N	201	202	< 5	< 0.2	4.27	770	0.5	< 2	0.84	< 0.5	65	802	29	4.31	0.90	7.25
AE1050E 0900N	201	202	< 5	< 0.2	5.57	1110	0.5	2	1.56	< 0.5	24	278	38	3.13	1.34	2.45
AE1050E 0925N	201	202	< 5	< 0.2	5.88	1010	0.5	< 2	1.41	< 0.5	22	275	78	3.45	1.42	1.96
AE1050E 0950N	201	202	< 5	< 0.2	5.36	1160	0.5	12	1.43	< 0.5	26	419	31	3.72	1.33	3.04
AE1050E 0975N	201	202	< 5	< 0.2	5.47	1140	0.5	4	1.32	< 0.5	25	360	38	3.60	1.41	2.73
AE1050E 1000N	201	202	< 5	0.2	5.45	1550	1.0	2	1.02	< 0.5	25	357	92	4.04	1.24	2.38
AE1050E 1025N	201	202	< 5	< 0.2	4.64	1190	0.5	< 2	1.28	< 0.5	21	352	46	3.11	1.21	1.71
AE1050E 1050N	201	202	< 5	< 0.2	4.96	930	1.0	< 2	1.41	< 0.5	17	168	27	2.68	1.43	1.35
AE1050E 1075N	201	202	< 5	< 0.2	6.04	1150	0.5	< 2	0.72	< 0.5	37	557	43	4.37	1.07	6.08
AE1050E 1100N	201	202	< 5	< 0.2	6.86	1380	1.0	< 2	0.31	< 0.5	23	281	42	3.99	1.66	2.45
AE1100E 0900N	201	202	< 5	< 0.2	4.94	1240	0.5	< 2	1.26	< 0.5	24	333	35	3.36	1.20	2.69
AE1100E 0925N	201	202	< 5	< 0.2	6.56	1040	0.5	6	1.66	< 0.5	27	323	25	3.69	1.82	2.26
AE1100E 0950N	201	202	< 5	< 0.2	5.41	1120	0.5	< 2	1.61	< 0.5	16	211	38	2.56	1.44	1.93
AE1100E 0975N	201	202	< 5	< 0.2	3.29	920	< 0.5	< 2	1.08	< 0.5	19	311	27	2.63	0.77	2.34
AE1100E 1000N	201	202	< 5	< 0.2	5.95	1630	0.5	10	1.55	< 0.5	33	403	47	4.04	1.48	3.27
AE1100E 1050N	201	202	< 5	< 0.2	5.58	1150	1.0	< 2	1.42	< 0.5	21	139	44	3.05	1.56	1.21
AE1100E 1075N	201	202	< 5	< 0.2	6.88	1380	1.5	< 2	0.95	< 0.5	19	158	34	3.51	1.90	1.42
AE1100E 1100N	201	202	< 5	< 0.2	5.54	1290	1.0	< 2	0.87	< 0.5	19	174	26	3.11	1.50	1.41
AF900E 0900N	201	202	< 5	0.6	7.54	2620	1.5	< 2	0.43	< 0.5	18	157	69	5.28	2.07	1.07
AF900E 0925N	201	202	< 5	< 0.2	5.08	1900	0.5	< 2	0.17	< 0.5	8	113	44	3.06	1.29	0.49
AF900E 0950N	201	202	< 5	< 0.2	7.39	2890	1.5	2	0.36	< 0.5	9	124	36	2.60	2.48	0.74
AF900E 0975N	201	202	< 5	< 0.2	6.94	2340	1.5	< 2	0.37	< 0.5	9	103	42	4.01	2.27	0.64
AF900E 1000N	201	202	< 5	0.4	10.70	4530	3.0	< 2	0.18	< 0.5	5	230	51	2.42	3.83	0.72
AF900E 1025N	201	202	< 5	< 0.2	5.26	1400	0.5	< 2	0.33	< 0.5	5	93	23	1.76	1.56	0.54

CERTIFICATION:

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

Project: 6410 SHIPMENT 11
Comments: ATTN:TERRY TUCKER-VANCOUVER OFFICE

QC 2-B
Tot QC Pg: 2
Date: 03-OCT-96
Invoice #: 19633258
P.O. #:

GP W

QC DATA OF CERTIFICATE A9633258

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)
TVB-95	Std	2 3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
WC-96	Std	1 1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
WC-96	Std	2 2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
WC-96	Std	1 4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
AE950E 0900N	Dup	1-01	565	2	1.74	136	250	12	250	0.41	110	< 10	68
	Orig	1-01	535	1	1.75	128	240	10	245	0.40	106	< 10	66
AF900E 1050N	Dup	2-01	280	6	0.53	47	630	10	77	0.38	181	< 10	122
	Orig	2-01	275	6	0.54	43	630	12	77	0.40	181	< 10	124
AG900E 0950N	Dup	3-01	610	6	0.56	67	980	12	78	0.38	207	< 10	144
	Orig	3-01	565	5	0.55	60	930	12	73	0.32	191	< 10	132
AG1100E 1075N	Dup	4-01	1085	4	0.51	43	1100	6	89	0.36	174	< 10	88
	Orig	4-01	1060	4	0.48	43	1010	8	84	0.32	164	< 10	84

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Qc: 2-A
Tot Qc Pg: 2
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GP W

QC DATA OF CERTIFICATE A9633258

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)
TVB-95	Std2	3	435	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	448	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
WC-96	Std1	1	230	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
WC-96	Std2	2	240	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
WC-96	Std1	4	220	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	239	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
AE950E 0900N	Dup	1-01	not/ss	< 0.2	5.82	770	0.5	2	1.27	< 0.5	20	494	13	3.04	1.71	2.00
	Orig	1-01	< 5	< 0.2	5.70	760	0.5	< 2	1.23	< 0.5	19	473	11	2.91	1.68	1.94
AF900E 1050N	Dup	2-01	< 5	< 0.2	5.63	1890	0.5	< 2	0.28	< 0.5	9	113	46	4.22	1.59	0.73
	Orig	2-01	< 5	< 0.2	5.60	1890	0.5	< 2	0.26	< 0.5	9	118	47	4.17	1.58	0.73
AG900E 0950N	Dup	3-01	15	1.4	6.79	2760	1.5	< 2	0.38	0.5	15	151	84	4.20	1.69	0.99
	Orig	3-01	5	1.0	6.24	2600	1.5	< 2	0.34	< 0.5	14	139	79	3.81	1.62	0.90
AG1100E 1075N	Dup	4-01	not/ss	< 0.2	5.30	2870	1.0	2	0.22	< 0.5	13	166	40	3.00	1.73	0.75
	Orig	4-01	< 5	< 0.2	5.00	2680	0.5	< 2	0.21	< 0.5	12	162	39	2.85	1.60	0.72

CERTIFICATION:

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Analytical Chemists * Geochemists * Registered Assayers

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

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

Project: 6410 SHIPMENT 11
Comments: ATTN:TERRY TUCKER-VANCOUVER OFFICE

QC 1 B
Tot QC Pg: 2
Date: 03-OCT-96
Invoice #: I9633258
P.O. #:
GP W

QC DATA OF CERTIFICATE A9633258

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)
BL-C	Blnk	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
BL-C	Blnk	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
BL-C	Blnk	3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
BL-C	Blnk	4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
G96-TOT	Std1	1	990	10	1.00	22	580	-----	216	0.34	148	10	178
G96-TOT	Std2	1	1030	11	1.10	23	620	-----	237	0.36	155	10	186
G96-TOT	Std1	2	1085	10	1.09	24	630	-----	240	0.36	164	10	196
G96-TOT	Std2	2	1070	9	1.12	24	630	-----	239	0.37	165	20	198
G96-TOT	Std1	3	1050	10	1.08	23	610	-----	230	0.36	159	10	196
G96-TOT	Std2	3	1070	11	1.07	23	620	-----	235	0.36	159	20	194
G96-TOT	Std1	4	1045	10	1.06	24	580	-----	235	0.36	159	10	190
G96-TOT	Std2	4	1090	10	1.05	25	620	-----	243	0.39	169	20	202
G96-TOT	Std1	5	1065	10	1.10	23	600	-----	239	0.37	163	20	198
CHEMEX MEAN	---	---	927	9	1.03	20	648	-----	226	0.35	156	20	186
GEO-96	Std1	1	-----	-----	-----	-----	-----	124	-----	-----	-----	-----	-----
GEO-96	Std2	1	-----	-----	-----	-----	-----	136	-----	-----	-----	-----	-----
GEO-96	Std1	2	-----	-----	-----	-----	-----	130	-----	-----	-----	-----	-----
GEO-96	Std2	2	-----	-----	-----	-----	-----	130	-----	-----	-----	-----	-----
GEO-96	Std1	3	-----	-----	-----	-----	-----	130	-----	-----	-----	-----	-----
GEO-96	Std2	3	-----	-----	-----	-----	-----	126	-----	-----	-----	-----	-----
GEO-96	Std1	4	-----	-----	-----	-----	-----	120	-----	-----	-----	-----	-----
GEO-96	Std2	4	-----	-----	-----	-----	-----	324	-----	-----	-----	-----	-----
GEO-96	Std1	5	-----	-----	-----	-----	-----	126	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	120	-----	-----	-----	-----	-----
JL-1	Std1	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
JL-1	Std1	5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-G2	Blnk	1	-----	-----	-----	-----	-----	< 2	-----	-----	-----	-----	-----
SIO2-G2	Blnk	2	-----	-----	-----	-----	-----	< 2	-----	-----	-----	-----	-----
SIO2-G2	Blnk	3	-----	-----	-----	-----	-----	< 2	-----	-----	-----	-----	-----
SIO2-G2	Blnk	4	-----	-----	-----	-----	-----	136	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	< 2	-----	-----	-----	-----	-----
SIO2-T3	Blnk	1	< 5	< 1	< 0.01	< 1	140	-----	142	0.01	1	< 10	< 2
SIO2-T3	Blnk	2	5	< 1	0.01	< 1	140	-----	134	0.01	4	< 10	2
SIO2-T3	Blnk	3	5	< 1	0.01	1	140	-----	139	0.01	3	< 10	< 2
CHEMEX MEAN	---	---	20	< 1	< 0.01	< 1	207	-----	178	< 0.01	2	< 10	< 2
SL-96	Std2	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SL-96	Std1	3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SL-96	Std2	4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: Stuart Buchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: 6410 SHIPMENT 11
Comments: ATTN:TERRY TUCKER-VANCOUVER OFFICE

Q: : 1-A
Tot QC Pg: 2
Date: 03-OCT-96
Invoice #: I9633258
P.O. #:
GP W

QC DATA OF CERTIFICATE A9633258

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)
BL-C	Blnk	1	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
BL-C	Blnk	2	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
BL-C	Blnk	3	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
BL-C	Blnk	4	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
G96-TOT	Std1	1	-----	-----	7.24	1100	0.5	< 2	1.93	< 0.5	17	89	170	4.49	1.74	0.96
G96-TOT	Std2	1	-----	-----	7.82	1030	0.5	< 2	2.04	0.5	18	96	183	4.77	1.85	1.01
G96-TOT	Std1	2	-----	-----	7.87	1240	0.5	< 2	2.13	1.0	20	104	194	4.85	1.91	1.05
G96-TOT	Std2	2	-----	-----	7.79	1230	0.5	< 2	2.12	1.0	19	102	193	4.87	1.90	1.04
G96-TOT	Std1	3	-----	-----	7.64	1190	0.5	4	2.12	1.5	20	97	187	4.87	1.79	1.04
G96-TOT	Std2	3	-----	-----	7.86	1210	0.5	2	2.13	0.5	19	101	188	4.84	1.81	1.05
G96-TOT	Std1	4	-----	-----	7.59	1210	0.5	< 2	2.03	0.5	19	100	189	4.73	1.84	1.02
G96-TOT	Std2	4	-----	-----	7.92	1240	0.5	6	2.15	1.0	20	105	191	5.01	1.90	1.07
G96-TOT	Std1	5	-----	-----	7.74	1270	0.5	< 2	2.09	0.5	20	102	193	4.87	1.90	1.04
CHEMEX MEAN	---	---	-----	-----	7.52	1155	0.5	< 2	2.04	1.0	16	97	177	4.41	1.86	1.03
GEO-96	Std1	1	-----	5.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std2	1	-----	5.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std1	2	-----	6.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std2	2	-----	5.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std1	3	-----	5.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std2	3	-----	5.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std1	4	-----	5.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std2	4	-----	5.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std1	5	-----	5.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	5.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
JL-1	Std1	2	90	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
JL-1	Std1	5	95	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	92	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-G2	Blnk	1	-----	< 0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-G2	Blnk	2	-----	< 0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-G2	Blnk	3	-----	< 0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-G2	Blnk	4	-----	1.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	< 0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-T3	Blnk	1	-----	-----	0.29	20	< 0.5	< 2	0.01	< 0.5	< 1	< 1	< 1	0.04	0.04	< 0.01
SIO2-T3	Blnk	2	-----	-----	0.31	30	< 0.5	< 2	0.02	< 0.5	< 1	5	3	0.07	0.06	0.01
SIO2-T3	Blnk	3	-----	-----	0.31	30	< 0.5	< 2	0.03	< 0.5	< 1	< 1	1	0.06	0.07	0.01
CHEMEX MEAN	---	---	-----	-----	0.24	13	< 0.5	< 2	0.01	< 0.5	< 1	5	2	0.05	0.03	< 0.01
SL-96	Std2	1	760	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SL-96	Std1	3	725	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SL-96	Std2	4	725	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	765	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION:

Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
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o: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

A9633258

Comments: ATTN:TERRY TUCKER-VANCOUVER OFFICE

CERTIFICATE A9633258

(GP W) - WESTMIN RESOURCES LTD.

Project: 6410 SHIPMENT 11
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 3-OCT-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	175	Dry, sieve to -80 mesh
202	175	save reject
285	175	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	172	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	175	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	175	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	175	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	175	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	175	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	175	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	175	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	175	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	175	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	175	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	175	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	175	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	175	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	175	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	175	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	175	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	175	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	175	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	175	Pb ppm: 24 element, rock & core	AAS	2	10000
582	175	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	175	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	175	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	175	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	175	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

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VANCOUVER, BC
V7X 1C4

Project: WOLVERINE
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

QC : 1-B
Tot QC Pg: 1
Date: 06-OCT-96
Invoice #: 19633351
P.O. #: 6414
GP W

QC DATA OF CERTIFICATE A9633351

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Fe % (ICP)	K % (ICP)	Mg % (ICP)	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)
BL-C	Blnk	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std1	1	-----	-----	-----	-----	-----	-----	-----	-----	130	-----	-----	-----	-----	-----
GEO-96	Std2	1	-----	-----	-----	-----	-----	-----	-----	-----	130	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	120	-----	-----	-----	-----	-----
JL-1	Std1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-3	Blnk	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-G2	Blnk	1	-----	-----	-----	-----	-----	-----	-----	-----	< 2	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	< 2	-----	-----	-----	-----	-----
WC-96	Std2	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
106001	Dup	1-01	4.55	2.05	1.79	715	4	1.48	17	300	12	404	0.23	101	10	68
	Orig	1-01	4.38	2.05	1.74	720	3	1.44	19	320	12	433	0.22	102	10	64

CERTIFICATION: Stuart Bichler

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Project: WOLVERINE
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

QC [illegible]: 1-A
Tot QC Pg: 1
Date: 06 OCT-96
Invoice #: I9633351
P.O. #: 6414
GP W

QC DATA OF CERTIFICATE A9633351

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Au ppb FA+AA	As ppm	Sb ppm	Hg ppb	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)
BL-C	Blnk	1	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std1	1	-----	60	5.0	160	4.8	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std2	1	-----	60	4.8	150	5.0	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	64	4.5	168	5.5	-----	-----	-----	-----	-----	-----	-----	-----	-----
JL-1	Std1	1	95	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	92	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-3	Blnk	1	-----	-----	-----	10	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	19	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-G2	Blnk	1	-----	1	< 0.2	-----	< 0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	2	< 0.2	-----	< 0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----
WC-96	Std2	1	220	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	239	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
106001	Dup	1-01	< 5	2	< 0.2	50	0.2	6.68	60	0.5	< 2	3.43	< 0.5	17	157	147
	Orig	1-01	< 5	2	< 0.2	40	< 0.2	6.68	80	1.0	< 2	3.41	< 0.5	19	149	139

CERTIFICATION: [illegible]

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Page Number : 1-B
Total Pages : 1
Certificate Date: 06 OCT-96
Invoice No. : I9633351
P.O. Number : 6414
Account : GP W

CERTIFICATE OF ANALYSIS A9633351

SAMPLE	PREP CODE	Fe % (ICP)	K % (ICP)	Mg % (ICP)	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)
106001	205 276	4.38	2.05	1.74	720	3	1.44	19	320	12	433	0.22	102	10	64
106002	205 276	4.28	2.37	2.05	495	4	1.96	21	540	< 2	372	0.28	103	10	52
106003	205 276	4.54	2.65	2.28	575	2	1.95	36	650	< 2	421	0.31	106	10	58
106004	205 276	5.11	2.64	1.74	575	7	1.58	17	660	< 2	404	0.30	92	10	52
106051	205 276	1.76	1.45	0.68	470	4	1.22	10	490	4	249	0.14	39	< 10	62
106052	205 276	3.22	2.62	1.25	425	6	0.56	8	360	< 2	169	0.20	47	10	82
106053	205 276	3.03	2.33	0.82	155	4	2.88	5	420	4	317	0.22	39	< 10	36
106054	205 276	4.53	2.65	1.79	540	11	0.82	8	490	< 2	202	0.26	75	10	100
106055	205 276	5.35	2.07	1.95	265	12	0.94	10	430	< 2	413	0.26	107	10	52
106056	205 276	4.63	2.69	2.02	325	8	0.52	8	380	< 2	103	0.22	61	10	56
106057	205 276	4.76	1.69	2.48	515	27	0.89	18	420	< 2	276	0.28	123	10	68
106058	205 276	4.28	2.79	1.90	475	6	0.64	6	460	< 2	153	0.25	79	10	66
106059	205 276	3.51	1.19	1.43	380	18	0.15	46	1760	< 2	51	0.14	130	< 10	48
106060	205 276	1.83	0.24	1.19	270	7	0.04	59	2480	< 2	51	0.08	177	< 10	26
106061	205 276	>25.0	0.56	0.89	330	24	0.16	67	1890	98	43	0.11	128	70	128
106062	205 276	4.05	2.56	1.40	490	40	0.25	32	910	< 2	110	0.19	195	10	56
106063	205 276	5.73	2.31	2.18	860	15	0.39	35	800	4	79	0.27	162	10	212
106064	205 276	7.19	1.27	1.93	1730	17	0.18	110	6710	26	254	0.23	451	40	104
106065	205 276	9.66	1.38	1.78	885	41	0.18	161	6680	26	117	0.12	949	40	88
106066	205 276	6.64	0.83	2.17	400	13	0.15	64	2010	16	32	0.07	247	10	156
106067	205 276	5.22	2.31	2.52	1160	4	0.33	29	1060	< 2	116	0.32	246	10	112
106068	205 276	6.27	1.99	0.98	1430	6	0.37	79	3040	476	43	0.22	423	10	3540
106069	205 276	8.96	1.57	0.84	1920	39	0.30	123	5230	630	47	0.19	592	20	2930
106070	205 276	6.99	1.86	1.19	330	55	0.17	100	3890	6	39	0.19	435	10	92
106071	205 276	3.49	3.28	0.95	250	5	0.80	5	450	16	146	0.23	50	< 10	104
106072	205 276	2.39	2.68	0.70	165	1	1.92	5	370	6	269	0.20	31	< 10	38
106073	205 276	2.92	3.28	1.08	260	5	0.94	6	410	4	233	0.22	46	< 10	44
106074	205 276	3.92	3.87	1.15	455	6	1.58	8	480	8	200	0.26	55	< 10	54
106075	205 276	4.44	3.21	1.10	915	4	0.93	7	380	20	211	0.23	56	10	104
106076	205 276	3.16	3.20	1.24	315	3	0.87	6	330	54	91	0.19	32	< 10	112
106077	205 276	3.34	3.21	1.05	540	5	0.63	6	380	68	146	0.21	38	< 10	114
106078	205 276	4.58	4.40	1.24	555	4	0.77	5	560	6	274	0.27	53	10	94
106079	205 276	3.03	3.03	1.24	540	6	1.14	5	410	8	217	0.23	41	10	128
106080	205 276	3.94	3.26	1.52	720	5	1.42	7	820	8	392	0.34	59	10	88
106081	205 276	3.96	4.05	1.79	685	1	1.14	10	710	12	284	0.33	67	10	76
106082	205 276	3.03	3.23	1.45	585	3	1.08	16	400	6	153	0.22	46	< 10	92
106083	205 276	0.82	1.38	0.19	350	4	3.41	< 1	20	10	52	0.03	< 1	< 10	36
106084	205 276	2.84	3.16	1.13	650	3	0.98	6	320	16	91	0.18	31	< 10	90
106085	205 276	3.42	3.43	1.47	625	2	1.42	6	500	20	333	0.26	55	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 : WOLVERINE
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

F ber :1-A
Total ages :1
Certificate Date: 06-OCT-96
Invoice No. :I9633351
P.O. Number :6414
Account :GP W

CERTIFICATE OF ANALYSIS A9633351

SAMPLE	PREP CODE		Au ppb FA+AA	As ppm	Sb ppm	Hg ppb	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)
106001	205	276	< 5	2	< 0.2	40	< 0.2	6.68	80	1.0	< 2	3.41	< 0.5	19	149	139
106002	205	276	< 5	1	< 0.2	20	0.2	7.05	150	1.0	< 2	2.85	< 0.5	15	145	72
106003	205	276	< 5	1	< 0.2	< 10	< 0.2	7.53	260	1.5	< 2	3.08	< 0.5	17	201	66
106004	205	276	< 5	2	0.2	40	< 0.2	6.96	90	1.5	< 2	3.09	< 0.5	14	165	145
106051	205	276	< 5	2	< 0.2	40	< 0.2	4.67	250	0.5	6	2.65	< 0.5	5	112	49
106052	205	276	< 5	1	0.4	80	< 0.2	6.18	130	1.5	< 2	1.79	< 0.5	9	68	318
106053	205	276	< 5	1	< 0.2	10	< 0.2	8.59	570	2.0	10	1.92	< 0.5	15	92	501
106054	205	276	10	2	< 0.2	10	0.2	7.89	160	1.5	< 2	1.98	< 0.5	14	104	496
106055	205	276	10	1	< 0.2	< 10	< 0.2	7.47	110	0.5	< 2	2.15	< 0.5	17	119	565
106056	205	276	< 5	2	< 0.2	10	< 0.2	7.24	160	1.5	< 2	1.09	< 0.5	16	124	491
106057	205	276	< 5	1	< 0.2	10	< 0.2	7.56	360	0.5	< 2	2.87	< 0.5	19	161	337
106058	205	276	< 5	1	< 0.2	10	< 0.2	7.78	150	1.5	< 2	1.76	< 0.5	14	88	495
106059	205	276	< 5	40	< 0.2	10	< 0.2	3.93	100	0.5	2	1.37	< 0.5	16	125	669
106060	205	276	< 5	14	< 0.2	< 10	< 0.2	1.65	530	< 0.5	2	1.27	< 0.5	6	134	318
106061	205	276	90	264	< 0.2	20	1.4	2.47	160	< 0.5	< 2	1.45	< 0.5	11	144	1170
106062	205	276	10	28	< 0.2	10	< 0.2	6.49	160	1.5	4	2.14	< 0.5	12	135	366
106063	205	276	35	30	< 0.2	10	0.4	7.10	240	0.5	2	2.25	< 0.5	19	135	1020
106064	205	276	30	102	< 0.2	10	0.4	4.71	50	< 0.5	< 2	13.55	< 0.5	18	185	527
106065	205	276	40	84	< 0.2	10	0.4	4.52	130	< 0.5	20	5.26	< 0.5	17	183	463
106066	205	276	15	74	< 0.2	10	0.2	3.70	310	< 0.5	< 2	1.14	< 0.5	13	81	185
106067	205	276	5	8	< 0.2	10	< 0.2	7.33	80	0.5	2	6.01	< 0.5	19	98	113
106068	205	276	20	46	0.2	110	1.2	5.44	110	0.5	< 2	1.62	7.5	14	148	153
106069	205	276	55	64	0.2	40	4.0	4.48	40	< 0.5	12	1.74	7.5	15	160	205
106070	205	276	15	56	< 0.2	10	< 0.2	4.61	50	< 0.5	8	1.16	< 0.5	17	129	32
106071	205	276	10	2	< 0.2	10	< 0.2	7.55	100	1.5	2	1.27	< 0.5	9	111	29
106072	205	276	< 5	1	< 0.2	20	< 0.2	7.28	150	1.5	2	1.63	< 0.5	8	133	29
106073	205	276	10	2	< 0.2	10	< 0.2	7.05	150	1.5	6	1.43	< 0.5	9	91	40
106074	205	276	< 5	1	< 0.2	10	< 0.2	8.77	140	2.0	12	1.71	< 0.5	15	145	22
106075	205	276	< 5	1	< 0.2	30	< 0.2	7.41	130	1.5	6	1.59	< 0.5	11	108	42
106076	205	276	< 5	2	< 0.2	40	< 0.2	6.72	120	1.5	< 2	0.98	< 0.5	7	111	12
106077	205	276	10	1	< 0.2	20	0.8	6.83	70	1.5	14	1.35	< 0.5	8	81	27
106078	205	276	5	2	< 0.2	10	< 0.2	8.73	180	2.0	14	2.00	< 0.5	14	119	25
106079	205	276	< 5	1	< 0.2	10	< 0.2	6.95	130	1.5	2	1.57	< 0.5	8	64	27
106080	205	276	< 5	2	< 0.2	< 10	< 0.2	8.11	1050	2.0	< 2	2.42	< 0.5	11	77	43
106081	205	276	< 5	1	< 0.2	30	< 0.2	8.27	160	1.5	4	2.44	< 0.5	14	74	32
106082	205	276	< 5	1	< 0.2	60	< 0.2	6.96	110	1.5	4	1.92	< 0.5	9	152	19
106083	205	276	< 5	2	< 0.2	20	< 0.2	6.35	630	1.0	< 2	0.91	< 0.5	< 1	45	4
106084	205	276	< 5	1	< 0.2	60	0.2	6.65	550	1.5	< 2	1.86	< 0.5	8	103	21
106085	205	276	5	1	< 0.2	40	< 0.2	7.48	390	1.5	< 2	1.93	< 0.5	9	67	32

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

A9633351

Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

CERTIFICATE A9633351

(GP W) - WESTMIN RESOURCES LTD.

Project: WOLVERINE
P.O. # : 6414

Samples submitted to our lab in Vancouver, BC.
This report was printed on 6-OCT-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	39	Geochem ring to approx 150 mesh
276	39	8-12 Kg crush and split
3202	39	Rock - save entire reject
285	39	ICP - HF digestion charge
287	39	Special dig'n with organic ext'n

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	39	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
13	39	As ppm: HNO3-aqua regia digest	AAS-HYDRIDE/EDL	1	10000
22	39	Sb ppm: HCl-KClO3 digest, extrac	AAS-BKGD CORR	0.2	1000
20	39	Hg ppb: HNO3-HCl digestion	AAS-FLAMELESS	10	100000
578	39	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	39	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	39	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	39	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	39	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	39	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	39	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	39	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	39	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	39	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	39	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	39	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	39	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	39	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	39	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	39	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	39	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	39	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	39	Pb ppm: 24 element, rock & core	AAS	2	10000
582	39	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	39	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	39	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	39	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	39	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: WOLVERINE
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

QC [illegible]: 1-B
Tot [illegible] Pg: 1
Date: 01-OCT-96
Invoice #: I9633350
P.O. #: 6414
GP W

QC DATA OF CERTIFICATE A9633350

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Fe % (ICP)	K % (ICP)	Mg % (ICP)	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	Std1	1	-----	-----	-----	-----	-----	-----	-----	-----	130	-----	-----	-----	-----	-----
GEO-96	Std2	1	-----	-----	-----	-----	-----	-----	-----	-----	132	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	120	-----	-----	-----	-----	-----
JL-1	Std1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
WC-96	Std2	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
175374	Dup	1-01	-----	-----	-----	-----	-----	-----	-----	-----	46	-----	-----	-----	-----	-----
	Orig	1-01	3.84	1.91	1.99	885	9	1.61	16	410	46	279	0.24	115	10	534

CERTIFICATION: [illegible]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Project: WOLVERINE
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

Qc #: 1-A
Tot Qc Pg: 1
Date: 01-OCT-96
Invoice #: 19633350
P.O. #: 6414
GP W

QC DATA OF CERTIFICATE A9633350

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Au ppb FA+AA	As ppm	Sb ppm	Hg ppb	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)
GEO-96	Std1	1	-----	58	4.8	180	4.6	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std2	1	-----	56	4.6	180	5.2	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	64	4.5	168	5.5	-----	-----	-----	-----	-----	-----	-----	-----	-----
JL-1	Std1	1	105	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	92	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
WC-96	Std2	1	215	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	239	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
175374	Dup	1-01	< 5	6	1.0	2040	0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----
	Orig	1-01	< 5	10	1.0	2070	0.2	6.81	940	0.5	10	2.86	5.0	15	157	51

CERTIFICATION: Stuart Bradley

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 : WOLVERINE
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

Certificate Date: 01-OCT-96
Invoice No. :19633350
P.O. Number :6414
Account :GP W

CERTIFICATE OF ANALYSIS A9633350

SAMPLE	PREP CODE	Fe % (ICP)	K % (ICP)	Mg % (ICP)	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)
175374	205 226	3.84	1.91	1.99	885	9	1.61	16	410	46	279	0.24	115	10	534
175375	205 226	2.64	3.13	0.87	545	9	1.80	6	380	30	211	0.21	50	< 10	62
175376	205 226	5.75	2.59	1.93	2370	79	0.44	7	500	344	275	0.26	117	20	728
175377	205 226	3.20	2.13	1.77	960	1	1.48	9	320	52	149	0.21	102	< 10	140
175378	205 226	3.34	2.99	1.85	1400	7	0.43	10	300	70	62	0.20	96	10	352
175379	205 226	4.05	1.85	1.40	995	5	0.32	15	620	40	74	0.21	87	10	186
175380	205 226	3.81	1.58	1.06	480	12	0.28	17	740	26	98	0.23	102	10	78
175381	205 226	2.96	1.51	0.84	350	8	0.31	10	310	28	72	0.11	80	< 10	110
175382	205 226	1.08	1.09	0.22	105	21	0.21	6	290	70	42	0.04	57	< 10	174
175383	205 226	2.67	2.27	0.79	315	46	0.32	12	490	34	88	0.14	101	< 10	82
175384	205 226	2.34	3.14	0.64	810	23	0.51	4	280	22	85	0.10	37	< 10	104
175385	205 226	1.97	1.99	0.70	315	72	0.36	13	620	16	81	0.10	82	< 10	90
175386	205 226	2.30	2.88	0.91	835	13	0.71	6	340	14	111	0.14	59	< 10	78
175387	205 226	1.75	2.68	0.65	465	8	1.19	1	270	10	122	0.13	32	< 10	60
175388	205 226	3.55	1.77	2.05	685	16	1.22	45	680	6	183	0.26	138	10	102
175389	205 226	2.89	1.99	1.40	630	22	0.93	12	570	4	156	0.22	111	10	140
175390	205 226	2.40	1.99	1.30	355	33	1.48	9	420	4	137	0.22	83	< 10	52
175391	205 226	3.65	2.06	1.50	405	31	0.78	16	1120	< 2	153	0.25	142	10	60
175392	205 226	2.91	2.28	1.37	340	19	0.99	9	480	< 2	149	0.27	134	10	52
175393	205 226	3.87	2.30	1.62	350	26	0.70	7	490	4	150	0.27	132	10	50
175394	205 226	3.52	1.92	1.58	670	18	0.93	21	520	32	144	0.22	125	10	184
175395	205 226	3.98	2.18	1.75	385	18	1.16	9	690	< 2	151	0.26	134	10	50
175396	205 226	4.21	2.21	2.04	590	8	1.28	7	540	< 2	179	0.28	122	10	46
175397	205 226	4.81	2.69	2.34	725	4	1.07	17	450	< 2	189	0.25	125	10	66
175398	205 226	4.36	2.41	2.37	990	3	1.50	17	380	4	276	0.24	128	10	86
175399	205 226	4.76	2.45	2.04	715	3	1.14	19	350	10	201	0.24	122	10	116
175400	205 226	5.09	2.40	2.51	925	4	0.32	19	380	4	318	0.23	128	20	96

CERTIFICATION: [signature]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project : WOLVERINE
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

Page Number :1-A
Total Pages :1
Certificate Date: 01-OCT-96
Invoice No. :I9633350
P.O. Number :6414
Account :GP W

CERTIFICATE OF ANALYSIS A9633350

SAMPLE	PREP CODE	Au ppb FA+AA	As ppm	Sb ppm	Hg ppb	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)
175374	205 226	< 5	10	1.0	2070	0.2	6.81	940	0.5	10	2.86	5.0	15	157	51
175375	205 226	< 5	1	0.2	210	0.2	7.12	1070	1.5	8	1.33	< 0.5	8	112	24
175376	205 226	20	2	0.8	4770	2.0	7.52	110	1.0	8	3.53	6.0	14	104	91
175377	205 226	< 5	1	0.4	1040	0.4	7.02	1000	0.5	2	2.50	0.5	12	136	24
175378	205 226	< 5	4	0.8	850	0.2	6.87	450	1.0	< 2	2.20	2.5	12	122	31
175379	205 226	< 5	4	2.8	280	0.4	5.08	80	0.5	2	1.53	0.5	12	183	97
175380	205 226	30	1	1.0	80	0.2	5.18	170	0.5	< 2	1.11	< 0.5	11	138	362
175381	205 226	25	2	0.8	530	0.6	5.57	220	< 0.5	< 2	0.78	< 0.5	12	179	629
175382	205 226	55	1	< 0.2	190	1.0	3.84	330	< 0.5	< 2	0.09	< 0.5	4	169	691
175383	205 226	55	1	0.8	130	0.6	6.30	710	0.5	< 2	0.75	< 0.5	9	171	1020
175384	205 226	15	2	< 0.2	100	0.4	7.15	890	1.0	< 2	0.95	< 0.5	6	85	398
175385	205 226	55	1	< 0.2	120	0.6	5.46	560	0.5	< 2	0.68	< 0.5	7	136	878
175386	205 226	15	1	0.6	40	0.2	7.03	1020	1.0	< 2	1.48	< 0.5	8	122	413
175387	205 226	5	2	< 0.2	50	0.2	6.85	740	1.0	< 2	1.94	< 0.5	5	76	330
175388	205 226	20	1	< 0.2	70	0.2	6.95	670	0.5	< 2	2.20	< 0.5	15	146	624
175389	205 226	35	6	0.4	210	0.2	6.41	720	0.5	< 2	2.51	< 0.5	12	160	506
175390	205 226	20	6	< 0.2	80	< 0.2	7.31	780	1.0	2	1.48	< 0.5	10	108	370
175391	205 226	30	1	1.0	40	< 0.2	6.96	690	0.5	< 2	1.82	< 0.5	15	132	944
175392	205 226	20	18	0.2	30	0.2	7.76	820	1.0	< 2	1.64	< 0.5	11	66	665
175393	205 226	25	1	0.2	40	< 0.2	7.52	640	0.5	< 2	2.03	< 0.5	17	70	696
175394	205 226	50	2	0.2	250	0.4	7.10	690	0.5	< 2	1.83	< 0.5	15	85	696
175395	205 226	15	1	2.0	270	0.2	7.64	730	0.5	< 2	1.98	< 0.5	17	91	775
175396	205 226	10	6	1.8	30	0.2	7.48	410	0.5	< 2	2.57	< 0.5	17	63	478
175397	205 226	< 5	1	0.4	30	< 0.2	7.24	120	0.5	< 2	2.61	< 0.5	19	154	270
175398	205 226	< 5	2	0.4	40	0.2	7.11	610	0.5	< 2	3.20	< 0.5	16	152	31
175399	205 226	55	1	< 0.2	90	0.4	6.93	110	0.5	< 2	1.96	< 0.5	19	180	451
175400	205 226	< 5	1	1.0	40	0.2	6.26	90	0.5	2	4.42	< 0.5	20	143	113

CERTIFICATION: Stuart Bradley

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

A9633350

Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

CERTIFICATE A9633350

(GP W) - WESTMIN RESOURCES LTD.

Project: WOLVERINE
P.O. # : 6414

Samples submitted to our lab in Vancouver, BC.
This report was printed on 1-OCT-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	27	Geochem ring to approx 150 mesh
226	27	0-3 Kg crush and split
3202	27	Rock - save entire reject
285	27	ICP - HF digestion charge
287	27	Special dig'n with organic ext'n

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	27	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
13	27	As ppm: HNO3-aqua regia digest	AAS-HYDRIDE/EDL	1	10000
22	27	Sb ppm: HCl-KClO3 digest, extrac	AAS-BKGD CORR	0.2	1000
20	27	Hg ppb: HNO3-HCl digestion	AAS-FLAMELESS	10	100000
578	27	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	27	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	27	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	27	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	27	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	27	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	27	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	27	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	27	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	27	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	27	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	27	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	27	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	27	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	27	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	27	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	27	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	27	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	27	Pb ppm: 24 element, rock & core	AAS	2	10000
582	27	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	27	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	27	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	27	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	27	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: WOLVERINE
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

QC . #: 1 B
Tot QC Pg: 1
Date: 28 SEP-96
Invoice #: I9633187
P.O. #: 6413
GP W

QC DATA OF CERTIFICATE A9633187

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Fe % (ICP)	K % (ICP)	Mg % (ICP)	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)
G96-TOT	Std1	1	4.92	1.94	1.07	1090	11	1.12	22	690	-----	238	0.38	167	10	198
G96-TOT	Std2	1	4.71	1.84	1.03	1035	10	1.05	24	640	-----	227	0.34	159	10	188
CHEMEX MEAN	---	---	4.41	1.86	1.03	927	9	1.03	20	648	-----	226	0.35	156	20	186
GEO-96	Std1	1	-----	-----	-----	-----	-----	-----	-----	-----	148	-----	-----	-----	-----	-----
GEO-96	Std2	1	-----	-----	-----	-----	-----	-----	-----	-----	136	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	120	-----	-----	-----	-----	-----
JL-1	Std1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
WC-96	Std2	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
106005	Dup	1-01	4.10	3.27	1.59	500	2	1.66	16	690	28	395	0.27	88	< 10	64
	Orig	1-01	4.01	3.19	1.56	495	1	1.60	15	700	26	382	0.27	88	< 10	66

CERTIFICATION:_____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project: WOLVERINE
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

QC [illegible] #: 1-A
Tot QC Pg: 1
Date: 28-SEP-96
Invoice #: 19633187
P.O. #: 6413
GP W

QC DATA OF CERTIFICATE A9633187

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Au ppb FA+AA	As ppm	Sb ppm	Hg ppb	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)
G96-TOT	Std1	1	-----	-----	-----	-----	-----	7.97	1230	1.0	2	2.17	< 0.5	19	107	193
G96-TOT	Std2	1	-----	-----	-----	-----	-----	7.55	1160	0.5	10	2.08	0.5	19	99	183
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	7.52	1155	0.5	< 2	2.04	1.0	16	97	177
GEO-96	Std1	1	-----	62	4.8	180	6.4	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std2	1	-----	58	4.8	190	5.2	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	64	4.5	168	5.5	-----	-----	-----	-----	-----	-----	-----	-----	-----
JL-1	Std1	1	100	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	92	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
WC-96	Std2	1	645	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	239	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
106005	Dup	1-01	< 5	2	0.4	30	< 0.2	7.66	230	2.0	10	2.30	< 0.5	15	244	93
	Orig	1-01	< 5	2	0.4	20	< 0.2	7.43	240	2.0	6	2.25	< 0.5	15	214	92

CERTIFICATION: [illegible]

Chemex Labs Ltd.

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

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

Project : WOLVERINE
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

Page Number :1-B
Total Pages :1
Certificate Date: 28-SEP-96
Invoice No. :I9633187
P.O. Number :6413
Account :GP W

CERTIFICATE OF ANALYSIS A9633187

SAMPLE	PREP CODE		Fe % (ICP)	K % (ICP)	Mg % (ICP)	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)
106005	205	276	4.01	3.19	1.56	495	1	1.60	15	700	26	382	0.27	88	< 10	66
106006	205	276	2.10	3.06	0.61	335	4	1.39	10	120	24	153	0.09	30	< 10	60
106007	205	276	4.48	3.08	1.79	845	4	0.63	23	280	26	349	0.17	93	< 10	68
106015	205	276	4.63	1.59	2.69	340	118	1.44	17	520	12	252	0.29	177	< 10	52
106016	205	276	3.59	1.65	1.55	290	31	2.09	7	430	10	249	0.23	120	< 10	40
106017	205	276	3.31	1.68	1.36	375	19	1.83	3	510	12	275	0.24	123	< 10	42
106018	205	276	3.32	1.99	1.21	350	33	1.51	3	470	14	228	0.24	121	< 10	44
106019	205	276	3.90	3.30	1.29	620	7	1.13	1	470	16	211	0.27	123	< 10	136
106020	205	276	1.23	3.15	0.21	330	1	2.06	< 1	70	52	110	0.04	7	< 10	72
106021	205	276	2.00	3.40	0.19	1540	3	0.11	1	70	148	106	0.04	11	< 10	606
106022	205	276	1.28	3.51	0.14	455	3	1.38	1	70	44	120	0.04	6	< 10	82
106023	205	276	1.31	3.65	0.24	485	3	1.42	< 1	80	40	100	0.04	6	< 10	84
106024	205	276	1.27	2.48	0.30	370	3	2.44	2	80	26	126	0.05	10	< 10	66
106025	205	276	1.09	2.69	0.22	255	1	2.65	1	70	30	158	0.04	8	< 10	42
106026	205	276	1.42	3.04	0.24	525	4	1.31	< 1	70	44	136	0.04	8	< 10	210
106027	205	276	1.22	3.36	0.35	240	3	1.64	< 1	80	12	98	0.04	6	< 10	30
106028	205	276	1.04	3.30	0.19	720	4	0.45	1	70	16	71	0.04	7	< 10	46
106029	205	276	1.24	3.66	0.16	660	4	0.33	< 1	50	32	65	0.04	5	< 10	54
106030	205	276	1.00	2.42	0.11	625	1	2.54	1	80	40	143	0.03	5	< 10	24
106031	205	276	1.40	3.60	0.16	315	3	1.04	1	70	38	100	0.04	5	< 10	58
106032	205	276	1.28	3.31	0.12	205	4	1.49	< 1	60	14	122	0.04	5	< 10	24
106033	205	276	1.93	2.60	0.54	235	7	1.82	3	250	6	126	0.11	30	< 10	38
106034	205	276	3.84	1.97	1.72	620	9	1.48	11	570	20	210	0.26	98	< 10	86
106035	205	276	4.16	1.68	2.18	745	4	1.11	17	470	14	319	0.26	133	< 10	108
106036	205	276	3.56	2.13	1.97	640	28	1.43	10	520	38	266	0.23	84	< 10	84
106037	205	276	4.34	2.43	2.02	575	55	1.70	12	650	14	315	0.30	86	< 10	66

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 : WOLVERINE
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

Page Number : 1 A
Total Pages : 1
Certificate Date: 28-SEP-96
Invoice No. : 19633187
P.O. Number : 6413
Account : GP W

CERTIFICATE OF ANALYSIS A9633187

SAMPLE	PREP CODE	Au ppb FA+AA	As ppm	Sb ppm	Hg ppb	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)
106005	205 276	< 5	2	0.4	20	< 0.2	7.43	240	2.0	6	2.25	< 0.5	15	214	92
106006	205 276	< 5	1	1.0	40	< 0.2	6.44	1790	0.5	2	1.22	< 0.5	8	204	115
106007	205 276	< 5	1	5.2	30	< 0.2	6.44	310	1.0	12	3.46	< 0.5	19	223	367
106015	205 276	< 5	2	1.0	< 10	< 0.2	7.75	460	0.5	8	3.03	< 0.5	23	223	561
106016	205 276	< 5	10	1.8	30	< 0.2	7.62	540	0.5	8	3.06	< 0.5	17	152	439
106017	205 276	< 5	12	0.8	10	< 0.2	7.67	670	0.5	< 2	4.11	< 0.5	15	110	328
106018	205 276	< 5	2	1.0	40	< 0.2	7.25	850	0.5	6	2.99	< 0.5	14	127	250
106019	205 276	< 5	1	0.4	40	< 0.2	8.31	1000	1.0	2	2.86	< 0.5	12	104	203
106020	205 276	< 5	1	< 0.2	70	< 0.2	7.27	1360	1.5	< 2	1.17	< 0.5	3	105	35
106021	205 276	< 5	6	0.2	250	1.0	6.18	1020	1.0	< 2	2.19	2.5	3	121	120
106022	205 276	< 5	1	0.2	70	< 0.2	7.01	1250	1.0	< 2	1.36	< 0.5	3	164	22
106023	205 276	< 5	2	0.2	50	< 0.2	7.11	1320	1.0	< 2	1.27	< 0.5	3	129	35
106024	205 276	< 5	1	0.2	70	< 0.2	7.40	800	1.5	< 2	1.58	< 0.5	3	151	26
106025	205 276	< 5	6	2.0	50	< 0.2	7.47	1280	1.5	< 2	1.40	< 0.5	3	95	31
106026	205 276	< 5	6	3.4	480	< 0.2	7.00	1100	1.0	< 2	1.57	0.5	3	127	32
106027	205 276	< 5	1	1.6	90	< 0.2	6.90	970	1.5	4	0.95	< 0.5	3	76	12
106028	205 276	< 5	2	2.6	40	< 0.2	6.74	590	1.5	< 2	1.55	< 0.5	2	109	12
106029	205 276	< 5	1	6.6	50	< 0.2	6.75	840	1.0	< 2	1.28	< 0.5	3	83	36
106030	205 276	< 5	2	0.8	60	< 0.2	6.82	590	1.0	< 2	2.64	< 0.5	3	107	25
106031	205 276	< 5	1	3.2	270	< 0.2	6.93	1180	1.5	< 2	1.34	< 0.5	2	120	40
106032	205 276	< 5	1	16.0	720	< 0.2	6.76	1230	1.5	< 2	1.32	< 0.5	3	143	112
106033	205 276	< 5	1	1.4	50	< 0.2	7.04	1240	1.5	< 2	1.89	< 0.5	8	89	235
106034	205 276	< 5	2	10.0	50	< 0.2	7.24	730	1.0	2	3.55	< 0.5	16	128	367
106035	205 276	< 5	1	0.8	50	< 0.2	7.32	740	0.5	6	2.90	< 0.5	18	144	330
106036	205 276	< 5	2	1.2	50	< 0.2	7.10	900	1.5	6	2.38	< 0.5	16	120	300
106037	205 276	< 5	2	0.2	10	< 0.2	7.85	1110	1.5	4	2.37	< 0.5	15	129	201

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

A9633187

Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

CERTIFICATE A9633187

(GP W) - WESTMIN RESOURCES LTD.

Project: WOLVERINE
P.O. # : 6413

Samples submitted to our lab in Vancouver, BC.
This report was printed on 28-SEP-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	26	Geochem ring to approx 150 mesh
276	26	8-12 Kg crush and split
3202	26	Rock - save entire reject
285	26	ICP - HF digestion charge
287	26	Special dig'n with organic ext'n

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	26	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
13	26	As ppm: HNO3-aqua regia digest	AAS-HYDRIDE/EDL	1	10000
22	26	Sb ppm: HCl-KClO3 digest, extrac	AAS-BKGD CORR	0.2	1000
20	26	Hg ppb: HNO3-HCl digestion	AAS-FLAMELESS	10	100000
578	26	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	26	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	26	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	26	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	26	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	26	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	26	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	26	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	26	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	26	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	26	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	26	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	26	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	26	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	26	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	26	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	26	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	26	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	26	Pb ppm: 24 element, rock & core	AAS	2	10000
582	26	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	26	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	26	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	26	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	26	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

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

Project : WIKA
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

Page Number :1-B
Total Pages :1
Certificate Date: 28 SEP-96
Invoice No. :I9632946
P.O. Number :6413
Account :GP W

CERTIFICATE OF ANALYSIS A9632946

SAMPLE	PREP CODE		Fe % (ICP)	K % (ICP)	Mg % (ICP)	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)
106008	205	226	2.23	2.94	0.47	180	16	1.40	8	60	12	90	0.09	12	< 10	84
106009	205	226	1.82	2.67	0.42	270	5	1.43	3	40	14	133	0.08	10	< 10	50
106010	205	226	3.26	2.28	1.88	350	5	1.10	21	140	< 2	229	0.12	80	< 10	30
106011	205	226	2.91	2.52	1.37	860	6	1.13	17	140	66	234	0.10	59	< 10	124
106012	205	226	3.58	2.49	1.76	715	14	1.43	14	430	40	211	0.29	115	< 10	150
106013	205	226	2.20	2.02	1.19	375	21	1.72	6	250	10	194	0.17	70	< 10	42
106014	205	226	5.52	1.47	3.26	640	11	1.36	20	570	8	336	0.38	209	< 10	56
106038	205	226	7.54	2.26	2.15	455	6	0.64	8	550	6	332	0.31	164	10	64
106039	205	226	5.39	2.46	2.57	465	5	1.65	8	550	10	350	0.32	116	10	94
106040	205	226	4.31	2.82	1.92	540	< 1	1.02	7	450	12	498	0.30	118	< 10	84
106041	205	226	6.30	2.31	3.40	505	1	1.97	8	430	4	232	0.31	145	10	64
106042	205	226	9.39	2.36	3.45	415	4	0.90	10	400	4	152	0.29	131	10	50
106043	205	226	4.65	2.81	2.00	490	1	0.69	10	390	14	261	0.27	121	10	98
106044	205	226	2.17	2.35	0.52	260	1	2.53	1	190	40	149	0.12	20	< 10	62
106045	205	226	4.76	2.33	1.89	730	4	1.35	8	790	10	445	0.34	91	10	96
106046	205	226	4.00	2.35	1.21	475	3	1.69	6	530	58	283	0.26	59	10	204
106047	205	226	8.45	2.45	1.22	565	11	0.95	7	410	90	153	0.20	50	10	864
106048	205	226	2.43	2.34	0.63	270	3	2.08	< 1	230	8	257	0.14	28	< 10	38
106049	205	226	3.41	2.03	0.90	440	1	2.17	6	530	20	341	0.26	53	< 10	52
106050	205	226	2.85	2.39	0.84	450	4	1.59	3	380	22	124	0.21	45	< 10	296

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 : WIKA
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

Page Number :1 A
Total Pages :1
Certificate Date: 28-SEP-96
Invoice No. :I9632946
P.O. Number :6413
Account :GP W

CERTIFICATE OF ANALYSIS A9632946

SAMPLE	PREP CODE		Au ppb FA+AA	As ppm	Sb ppm	Hg ppb	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)
106008	205	226	< 5	1	< 0.2	70	< 0.2	6.46	580	1.0	6	0.44	< 0.5	11	215	83
106009	205	226	< 5	1	< 0.2	40	< 0.2	6.37	1560	1.0	6	1.33	< 0.5	9	186	112
106010	205	226	< 5	2	1.2	10	< 0.2	5.74	960	0.5	< 2	1.79	< 0.5	15	236	189
106011	205	226	< 5	6	1.8	120	< 0.2	6.46	1140	0.5	8	1.86	< 0.5	17	253	395
106012	205	226	< 5	16	1.4	60	0.4	7.75	840	1.0	4	1.59	< 0.5	21	111	559
106013	205	226	< 5	2	0.4	20	< 0.2	6.81	750	1.0	6	2.14	< 0.5	11	167	189
106014	205	226	< 5	10	2.6	< 10	< 0.2	8.50	440	0.5	6	4.82	< 0.5	24	152	467
106038	205	226	< 5	2	< 0.2	80	< 0.2	7.92	140	0.5	8	2.67	< 0.5	28	78	428
106039	205	226	< 5	1	0.6	180	< 0.2	7.83	150	1.5	8	2.13	< 0.5	21	109	126
106040	205	226	< 5	1	0.2	170	< 0.2	7.88	270	1.5	10	2.91	< 0.5	15	89	76
106041	205	226	< 5	1	0.6	160	< 0.2	8.78	180	1.5	12	2.09	< 0.5	19	113	155
106042	205	226	< 5	2	0.4	70	< 0.2	8.05	460	1.5	2	1.30	< 0.5	20	166	122
106043	205	226	< 5	1	< 0.2	80	< 0.2	8.23	320	1.5	8	2.19	< 0.5	17	137	119
106044	205	226	< 5	1	< 0.2	160	0.4	7.17	450	2.0	8	1.09	< 0.5	9	152	75
106045	205	226	< 5	1	< 0.2	40	< 0.2	7.96	230	2.0	18	2.84	< 0.5	19	111	88
106046	205	226	< 5	2	0.2	270	1.0	8.05	190	2.0	16	2.21	0.5	15	129	144
106047	205	226	< 5	14	< 0.2	850	2.2	7.03	270	1.5	20	1.32	4.0	35	101	514
106048	205	226	< 5	2	0.4	10	< 0.2	7.18	400	1.5	8	1.58	< 0.5	8	163	71
106049	205	226	< 5	1	0.6	80	< 0.2	7.61	190	1.5	10	2.84	< 0.5	11	80	74
106050	205	226	< 5	1	1.2	440	0.4	7.36	280	1.5	12	2.08	1.0	10	129	76

CERTIFICATION: Ian Bucklen

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

A9632946

Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

CERTIFICATE A9632946

(GP W) - WESTMIN RESOURCES LTD.

Project: WIKA
P.O. # : 6413

Samples submitted to our lab in Vancouver, BC.
This report was printed on 28-SEP-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	20	Geochem ring to approx 150 mesh
226	20	0-3 Kg crush and split
3202	20	Rock - save entire reject
285	20	ICP - HF digestion charge
287	20	Special dig'n with organic ext'n

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	20	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
13	20	As ppm: HNO3-aqua regia digest	AAS-HYDRIDE/EDL	1	10000
22	20	Sb ppm: HCl-KClO3 digest, extrac	AAS-BKGD CORR	0.2	1000
20	20	Hg ppb: HNO3-HCl digestion	AAS-FLAMELESS	10	100000
578	20	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	20	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	20	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	20	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	20	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	20	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	20	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	20	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	20	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	20	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	20	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	20	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	20	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	20	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	20	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	20	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	20	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	20	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	20	Pb ppm: 24 element, rock & core	AAS	2	10000
582	20	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	20	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	20	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	20	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	20	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project : 6413
Comments: ATTN:DAVID TERRY

Page Number :7-B
Total Pages :7
Certificate Date: 12-SEP-96
Invoice No. :19630691
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9630691

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)			
TY 10400E 3700N	201	202	350	2	2.84	3	990	< 2	554	0.20	35	< 10	46			
TY 10600E 3550N	201	202	370	3	2.67	3	390	14	481	0.20	41	< 10	54			
TY 10600E 3600N	201	202	900	7	1.22	12	710	18	201	0.23	70	< 10	74			
TY 10600E 3650N	201	202	675	12	1.15	18	1120	40	249	0.17	77	< 10	114			
TY 10600E 3700N	201	202	455	4	1.28	8	810	16	200	0.24	61	< 10	56			
TY 10600E 3750N	201	202	415	3	1.56	9	490	12	173	0.42	105	< 10	64			

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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CERTIFICATE OF ANALYSIS A9630691

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)
TY 10400E 3700N	201	202	< 5	< 0.2	7.16	820	1.0	< 2	1.80	< 0.5	6	2	40	1.69	2.18	0.59
TY 10600E 3550N	201	202	< 5	< 0.2	7.18	940	1.0	< 2	1.51	< 0.5	7	10	24	1.80	2.26	0.57
TY 10600E 3600N	201	202	< 5	< 0.2	5.38	950	1.0	< 2	1.33	< 0.5	10	31	102	2.68	2.11	0.92
TY 10600E 3650N	201	202	< 5	1.2	6.70	1430	1.5	< 2	1.29	0.5	13	33	204	4.53	2.10	0.85
TY 10600E 3700N	201	202	< 5	< 0.2	5.20	920	1.0	< 2	1.28	< 0.5	6	29	29	2.12	2.09	0.84
TY 10600E 3750N	201	202	< 5	< 0.2	6.31	810	0.5	< 2	0.97	< 0.5	7	44	11	2.68	1.83	0.66

CERTIFICATION: Ian J. Butler

Chemex Labs Ltd.

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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)			
TY 8800E 4050N	201	202	885	7	1.13	17	860	48	150	0.29	83	< 10	96			
TY 8800E 4100N	201	202	930	8	1.04	15	780	48	135	0.27	87	< 10	88			
TY 9000E 3550N	201	202	275	10	0.96	9	660	40	128	0.30	112	< 10	50			
TY 9000E 3600N	201	202	855	9	1.00	11	850	38	131	0.27	119	< 10	84			
TY 9000E 3650N	201	202	470	8	1.17	10	580	22	147	0.34	114	< 10	72			
TY 9000E 3700N	201	202	340	5	1.20	9	630	10	130	0.38	117	< 10	56			
TY 9000E 3750N	201	202	500	6	1.28	12	560	16	147	0.36	120	< 10	74			
TY 9000E 3800N	201	202	405	4	0.81	10	880	42	85	0.26	98	< 10	68			
TY 9000E 3850N	201	202	360	4	1.13	10	860	22	154	0.24	89	< 10	60			
TY 9000E 3900N	201	202	315	7	1.30	8	520	20	167	0.27	85	< 10	50			
TY 9000E 3950N	201	202	440	4	1.28	12	480	16	128	0.30	82	< 10	62			
TY 9000E 4000N	201	202	340	3	1.35	9	550	14	151	0.30	81	< 10	50			
TY 9400E 3550N	201	202	495	6	1.49	14	800	30	185	0.29	80	< 10	74			
TY 9400E 3600N	201	202	385	7	1.63	10	610	48	186	0.30	77	< 10	52			
TY 9400E 3650N	201	202	345	6	1.58	5	470	14	190	0.30	73	< 10	40			
TY 9400E 3700N	201	202	260	5	1.63	5	560	6	156	0.32	75	< 10	42			
TY 9400E 3750N	201	202	330	3	1.60	7	430	8	173	0.33	75	< 10	38			
TY 9400E 3800N	201	202	475	5	1.37	8	630	16	174	0.26	75	< 10	60			
TY 9400E 3850N	201	202	555	4	1.48	11	670	18	198	0.25	75	< 10	60			
TY 9400E 3900N	201	202	420	6	1.53	8	340	20	179	0.29	81	< 10	56			
TY 9400E 3950N	201	202	485	1	1.31	10	500	16	142	0.24	58	< 10	54			
TY 9400E 4000N	201	202	575	3	1.88	12	310	28	838	0.37	131	< 10	50			
TY 9800E 3550N	201	202	760	2	1.75	10	550	16	242	0.26	91	< 10	106			
TY 9800E 3600N	201	202	555	3	1.76	18	780	40	311	0.19	67	< 10	150			
TY 9800E 3650N	201	202	450	8	2.13	5	320	16	270	0.28	80	< 10	62			
TY 9800E 3700N	201	202	375	6	2.01	6	690	6	270	0.24	54	< 10	48			
TY 9800E 3750N	201	202	650	4	1.58	8	620	8	207	0.27	90	< 10	78			
TY 10000E 3550N	201	202	900	3	1.75	11	800	14	278	0.27	113	< 10	110			
TY 10000E 3600N	201	202	610	1	2.72	7	450	2	466	0.21	52	< 10	68			
TY 10000E 3650N	201	202	1040	6	1.23	22	1080	28	198	0.23	84	< 10	168			
TY 10000E 3700N	201	202	760	2	1.69	11	610	20	244	0.23	93	< 10	98			
TY 10000E 3750N	201	202	825	1	1.73	9	500	8	225	0.24	92	< 10	84			
TY 10000E 3800N	201	202	835	1	1.65	9	550	16	226	0.25	93	< 10	88			
TY 10200E 3550N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
TY 10200E 3600N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
TY 10200E 3650N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
TY 10200E 3700N	201	202	730	4	1.48	11	770	18	225	0.24	82	< 10	102			
TY 10400E 3550N	201	202	510	3	2.01	7	510	10	351	0.21	62	< 10	60			
TY 10400E 3600N	201	202	655	6	1.03	17	1010	32	151	0.23	93	< 10	98			
TY 10400E 3650N	201	202	545	12	1.34	10	530	10	210	0.24	82	< 10	76			

CERTIFICATION: _____

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Project : 6413
Comments: ATTN:DAVID TERRY

Certificate Date: 12-SEP-96
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CERTIFICATE OF ANALYSIS A9630691

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)
TY 8800E 4050N	201	202	< 5	< 0.2	6.16	1230	1.5	4	0.85	< 0.5	13	40	106	3.30	2.43	1.10
TY 8800E 4100N	201	202	25	< 0.2	6.14	1200	1.0	2	0.72	< 0.5	13	42	85	3.16	2.39	1.10
TY 9000E 3550N	201	202	< 5	< 0.2	6.72	1160	1.0	4	0.54	< 0.5	5	45	59	2.97	2.44	0.74
TY 9000E 3600N	201	202	< 5	1.0	7.18	1230	1.5	8	0.42	< 0.5	4	52	39	5.56	2.48	1.12
TY 9000E 3650N	201	202	< 5	< 0.2	7.20	1070	1.5	< 2	0.71	< 0.5	7	47	56	3.66	2.70	1.06
TY 9000E 3700N	201	202	< 5	< 0.2	6.98	1040	1.0	6	0.61	0.5	7	43	50	2.70	2.49	0.80
TY 9000E 3750N	201	202	< 5	< 0.2	7.82	1230	1.5	6	0.64	< 0.5	8	52	59	3.21	3.00	1.12
TY 9000E 3800N	201	202	< 5	< 0.2	7.06	1280	1.5	6	0.42	< 0.5	6	56	149	2.69	2.86	1.07
TY 9000E 3850N	201	202	< 5	0.8	7.13	1240	1.5	2	0.57	< 0.5	5	44	86	2.38	2.90	1.00
TY 9000E 3900N	201	202	< 5	0.2	6.79	1140	1.5	2	0.63	< 0.5	5	35	41	2.16	2.71	0.84
TY 9000E 3950N	201	202	< 5	< 0.2	6.51	1150	1.5	< 2	0.63	0.5	7	43	44	2.74	2.78	1.06
TY 9000E 4000N	201	202	< 5	< 0.2	6.05	1010	1.0	10	0.66	0.5	6	38	26	2.56	2.45	0.79
TY 9400E 3550N	201	202	< 5	0.4	6.49	1040	1.5	6	0.90	< 0.5	7	36	82	3.41	2.65	1.04
TY 9400E 3600N	201	202	< 5	0.4	6.19	890	0.5	< 2	0.88	< 0.5	6	36	42	3.21	2.15	0.84
TY 9400E 3650N	201	202	< 5	< 0.2	6.15	880	0.5	6	0.82	< 0.5	4	30	24	2.25	2.33	0.72
TY 9400E 3700N	201	202	< 5	< 0.2	5.43	600	0.5	4	0.68	< 0.5	6	23	33	1.96	1.48	0.47
TY 9400E 3750N	201	202	< 5	< 0.2	5.82	770	0.5	4	0.78	0.5	6	29	22	2.32	2.01	0.62
TY 9400E 3800N	201	202	< 5	< 0.2	5.79	870	1.0	2	0.96	< 0.5	7	31	48	3.03	2.17	0.94
TY 9400E 3850N	201	202	< 5	< 0.2	6.01	900	1.0	2	1.26	< 0.5	8	33	57	3.03	2.36	0.98
TY 9400E 3900N	201	202	< 5	< 0.2	6.59	1060	1.5	8	0.91	< 0.5	7	37	31	2.61	2.66	0.95
TY 9400E 3950N	201	202	< 5	< 0.2	5.21	860	1.0	2	0.72	0.5	9	29	49	2.60	2.23	0.77
TY 9400E 4000N	201	202	< 5	< 0.2	6.51	1170	1.5	2	2.38	0.5	8	85	31	3.01	2.13	1.20
TY 9800E 3550N	201	202	< 5	0.4	7.92	1390	1.5	2	1.45	< 0.5	11	36	25	3.31	2.91	1.15
TY 9800E 3600N	201	202	< 5	1.6	7.59	1390	1.5	< 2	1.21	1.0	13	31	65	3.30	2.49	0.93
TY 9800E 3650N	201	202	< 5	< 0.2	7.41	970	1.0	2	1.31	< 0.5	6	36	54	2.78	2.37	0.95
TY 9800E 3700N	201	202	< 5	< 0.2	5.79	750	0.5	< 2	1.01	< 0.5	6	18	54	2.14	1.98	0.59
TY 9800E 3750N	201	202	< 5	< 0.2	6.81	950	1.0	2	1.26	0.5	9	38	30	3.32	2.42	1.05
TY 10000E 3550N	201	202	< 5	0.2	7.71	1710	1.5	6	1.63	0.5	14	43	32	3.47	2.72	1.15
TY 10000E 3600N	201	202	< 5	0.6	7.58	1110	1.0	2	1.49	0.5	9	14	30	2.03	2.60	0.68
TY 10000E 3650N	201	202	< 5	1.0	6.97	1350	1.5	6	1.16	< 0.5	15	40	93	3.87	2.45	1.10
TY 10000E 3700N	201	202	< 5	< 0.2	6.98	1480	1.5	< 2	1.60	0.5	13	35	23	3.08	2.48	1.00
TY 10000E 3750N	201	202	< 5	< 0.2	7.47	1520	1.5	< 2	1.40	< 0.5	12	33	22	3.08	2.76	1.04
TY 10000E 3800N	201	202	< 5	< 0.2	7.15	1370	1.5	< 2	1.55	0.5	12	34	22	3.11	2.65	1.07
TY 10200E 3550N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 10200E 3600N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 10200E 3650N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 10200E 3700N	201	202	< 5	< 0.2	6.70	1210	1.5	< 2	1.47	< 0.5	11	36	48	3.15	2.49	1.07
TY 10400E 3550N	201	202	< 5	< 0.2	6.84	1030	1.0	< 2	1.39	< 0.5	6	21	32	2.38	2.43	0.74
TY 10400E 3600N	201	202	< 5	1.2	6.95	1570	1.5	< 2	0.96	< 0.5	11	47	130	3.95	2.30	1.02
TY 10400E 3650N	201	202	< 5	< 0.2	5.91	930	1.0	< 2	1.17	< 0.5	8	34	85	3.11	2.30	0.93

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 : 6413
Comments: ATTN:DAVID TERRY

Certificate Date: 12-SEP-96
Invoice No. :19630691
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9630691

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)
TY 8400E 4050N	201	202	765	6	1.12	25	880	30	138	0.32	112	< 10	146
TY 8400E 4100N	201	202	810	8	1.06	23	780	40	132	0.30	109	< 10	140
TY 8400E 4150N	201	202	785	8	0.94	34	940	40	132	0.31	99	< 10	218
TY 8400E 4200N	201	202	715	7	1.00	31	990	28	130	0.29	98	< 10	234
TY 8400E 4250N	201	202	1210	5	1.07	29	1060	26	152	0.27	100	< 10	226
TY 8400E 4300N	201	202	905	7	1.02	23	1030	32	129	0.29	93	< 10	156
TY 8400E 4350N	201	202	1010	9	0.92	28	1550	26	146	0.26	113	< 10	192
TY 8400E 4400N	201	202	550	4	1.51	16	920	40	191	0.45	113	< 10	78
TY 8600E 3350N	201	202	440	6	1.23	20	970	32	191	0.23	132	< 10	94
TY 8600E 3400N	201	202	265	6	0.80	17	500	40	104	0.24	171	< 10	94
TY 8600E 3450N	201	202	320	5	0.84	14	420	22	108	0.22	168	< 10	76
TY 8600E 3500N	201	202	330	6	1.24	17	630	28	167	0.28	117	< 10	74
TY 8600E 3550N	201	202	345	10	0.70	17	2220	42	112	0.32	166	< 10	68
TY 8600E 3600N	201	202	300	8	0.98	11	540	30	148	0.34	151	< 10	50
TY 8600E 3650N	201	202	430	14	0.71	13	1280	48	97	0.34	140	< 10	84
TY 8600E 3700N	201	202	605	5	2.22	19	510	20	147	0.49	121	< 10	92
TY 8600E 3750N	201	202	1675	16	0.95	28	1010	60	150	0.24	83	< 10	164
TY 8600E 3800N	201	202	1130	17	1.25	22	790	68	182	0.25	96	< 10	134
TY 8600E 3850N	201	202	715	9	1.12	13	3260	52	179	0.24	106	< 10	88
TY 8600E 3900N	201	202	890	4	1.08	23	690	30	100	0.36	115	< 10	116
TY 8600E 3950N	201	202	790	4	1.30	24	670	28	146	0.27	111	< 10	162
TY 8600E 4000N	201	202	760	8	0.98	22	730	34	127	0.26	99	< 10	152
TY 8600E 4050N	201	202	1675	5	1.28	26	880	30	164	0.29	100	< 10	138
TY 8600E 4100N	201	202	1670	6	1.16	17	770	28	165	0.30	84	< 10	82
TY 8600E 4150N	201	202	380	3	1.45	19	2460	16	219	0.25	68	< 10	54
TY 8600E 4200N	201	202	1295	5	1.61	22	1190	30	219	0.38	99	< 10	134
TY 8800E 3350N	201	202	525	4	1.49	13	440	20	222	0.30	108	< 10	72
TY 8800E 3400N	201	202	485	1	1.59	11	330	14	250	0.24	80	< 10	54
TY 8800E 3450N	201	202	365	4	1.06	15	310	18	149	0.21	132	< 10	72
TY 8800E 3500N	201	202	425	4	1.22	9	330	22	169	0.24	106	< 10	72
TY 8800E 3550N	201	202	345	9	0.88	12	1000	50	108	0.31	129	< 10	70
TY 8800E 3600N	201	202	445	8	1.41	10	690	32	203	0.33	118	< 10	64
TY 8800E 3650N	201	202	470	16	0.84	13	500	40	95	0.29	135	< 10	92
TY 8800E 3700N	201	202	330	6	1.03	10	250	22	119	0.34	100	< 10	60
TY 8800E 3750N	201	202	570	8	1.01	18	440	28	104	0.33	103	< 10	82
TY 8800E 3800N	201	202	440	14	0.96	11	470	38	115	0.27	113	< 10	92
TY 8800E 3850N	201	202	710	10	0.96	22	710	54	162	0.26	127	< 10	134
TY 8800E 3900N	201	202	705	7	0.97	20	670	54	108	0.31	104	< 10	102
TY 8800E 3950N	201	202	490	6	0.94	15	790	32	100	0.28	88	< 10	80
TY 8800E 4000N	201	202	580	8	1.05	15	680	38	125	0.27	95	< 10	88

CERTIFICATION: Ivan Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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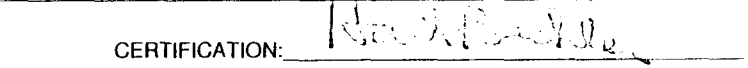
To: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project : 6413
Comments: ATTN:DAVID TERRY

Page Number :5-A
Total Pages :7
Certificate Date: 12-SEP-96
Invoice No. :19630691
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9630691

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)
TY 8400E 4050N	201	202	< 5	< 0.2	8.18	1540	2.0	6	0.66	< 0.5	12	58	143	3.61	3.39	1.38
TY 8400E 4100N	201	202	< 5	< 0.2	7.77	1480	2.0	2	0.60	< 0.5	13	54	128	3.66	3.17	1.34
TY 8400E 4150N	201	202	< 5	< 0.2	7.20	1420	1.5	2	0.67	0.5	17	54	200	3.59	2.82	1.27
TY 8400E 4200N	201	202	< 5	< 0.2	7.13	1390	1.5	8	0.68	0.5	12	52	157	3.55	2.82	1.28
TY 8400E 4250N	201	202	< 5	0.2	7.20	1470	1.5	8	0.69	2.0	13	53	104	3.29	2.75	1.24
TY 8400E 4300N	201	202	< 5	< 0.2	6.46	1290	1.5	2	0.68	0.5	14	46	97	3.37	2.48	1.16
TY 8400E 4350N	201	202	< 5	0.2	7.65	1770	2.0	2	0.80	1.5	13	63	219	4.13	2.95	1.31
TY 8400E 4400N	201	202	< 5	< 0.2	6.77	1250	1.0	4	1.04	< 0.5	8	52	31	4.53	2.22	0.85
TY 8600E 3350N	201	202	< 5	0.2	6.58	1890	1.5	4	0.88	< 0.5	7	45	66	3.35	2.53	0.95
TY 8600E 3400N	201	202	< 5	0.2	6.69	2920	1.5	< 2	0.36	< 0.5	5	63	59	2.08	2.88	0.66
TY 8600E 3450N	201	202	< 5	0.4	7.47	2640	1.5	< 2	0.42	< 0.5	6	71	55	3.34	3.10	0.92
TY 8600E 3500N	201	202	< 5	0.6	7.10	1610	1.5	2	0.45	< 0.5	6	55	88	2.55	2.52	0.69
TY 8600E 3550N	201	202	< 5	1.2	6.40	1810	1.5	2	0.42	< 0.5	5	55	133	5.04	2.47	0.88
TY 8600E 3600N	201	202	< 5	< 0.2	7.09	1420	1.5	6	0.43	< 0.5	4	48	61	2.62	2.58	0.71
TY 8600E 3650N	201	202	< 5	< 0.2	7.45	1570	1.5	< 2	0.36	< 0.5	5	60	104	6.31	2.86	1.03
TY 8600E 3700N	201	202	< 5	< 0.2	7.95	1180	1.0	2	0.93	< 0.5	9	82	40	3.99	3.25	1.38
TY 8600E 3750N	201	202	< 5	0.8	8.09	1810	2.0	4	1.00	2.0	16	42	342	3.62	3.52	1.03
TY 8600E 3800N	201	202	20	0.4	7.65	1490	1.5	4	0.94	1.5	13	49	338	3.87	2.69	1.11
TY 8600E 3850N	201	202	60	0.6	8.42	1880	2.0	18	0.85	< 0.5	8	39	98	5.44	3.39	1.62
TY 8600E 3900N	201	202	< 5	< 0.2	7.40	1370	1.5	< 2	0.49	< 0.5	15	65	84	4.23	3.12	1.39
TY 8600E 3950N	201	202	< 5	0.2	8.24	2050	2.0	2	0.63	0.5	12	49	102	3.75	3.61	1.47
TY 8600E 4000N	201	202	< 5	0.2	7.25	1520	1.5	< 2	0.65	< 0.5	13	50	164	3.56	3.09	1.32
TY 8600E 4050N	201	202	< 5	0.4	7.79	1590	1.5	6	0.69	< 0.5	23	53	118	3.48	3.16	1.27
TY 8600E 4100N	201	202	20	0.2	5.97	1220	1.0	6	0.83	< 0.5	23	45	65	3.16	2.37	0.98
TY 8600E 4150N	201	202	< 5	0.4	6.65	1590	1.5	< 2	0.78	< 0.5	6	35	71	2.15	2.21	0.63
TY 8600E 4200N	201	202	< 5	< 0.2	6.54	1190	1.5	6	1.22	0.5	16	57	85	4.00	2.63	1.13
TY 8800E 3350N	201	202	< 5	< 0.2	7.20	1340	1.5	4	1.20	< 0.5	8	47	38	3.20	3.00	1.05
TY 8800E 3400N	201	202	< 5	< 0.2	6.38	1130	1.0	2	1.38	< 0.5	7	38	24	2.65	2.48	0.88
TY 8800E 3450N	201	202	< 5	< 0.2	6.86	2370	1.5	2	0.62	< 0.5	6	52	50	2.46	3.19	0.89
TY 8800E 3500N	201	202	< 5	< 0.2	7.12	1650	1.5	2	0.80	< 0.5	7	43	43	2.66	3.16	0.99
TY 8800E 3550N	201	202	< 5	< 0.2	7.68	1940	1.5	4	0.40	< 0.5	6	52	92	4.11	3.06	0.88
TY 8800E 3600N	201	202	< 5	< 0.2	7.37	1310	1.5	4	0.94	< 0.5	8	47	70	3.14	2.74	0.84
TY 8800E 3650N	201	202	< 5	< 0.2	8.95	1580	2.0	6	0.41	< 0.5	6	65	146	4.31	3.69	1.47
TY 8800E 3700N	201	202	< 5	< 0.2	6.21	1100	1.5	6	0.59	< 0.5	5	45	26	2.23	2.65	0.86
TY 8800E 3750N	201	202	< 5	< 0.2	6.70	1300	1.5	< 2	0.49	< 0.5	8	50	47	3.62	2.81	1.10
TY 8800E 3800N	201	202	15	< 0.2	7.69	1250	1.5	6	0.41	< 0.5	5	54	120	3.49	3.14	1.27
TY 8800E 3850N	201	202	5	< 0.2	8.03	1760	1.5	2	0.67	0.5	11	63	128	4.17	3.22	1.49
TY 8800E 3900N	201	202	< 5	< 0.2	6.98	1440	1.5	2	0.51	< 0.5	11	53	86	3.96	3.02	1.25
TY 8800E 3950N	201	202	< 5	< 0.2	6.00	1100	1.5	2	0.54	< 0.5	7	44	69	3.09	2.49	1.09
TY 8800E 4000N	201	202	< 5	< 0.2	6.82	1220	1.5	4	0.55	< 0.5	9	48	79	3.46	2.81	1.16

CERTIFICATION: 

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: WESTMIN RESOURCES LTD.
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Project : 6413
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Page Number :4-B
Total Pages :7
Certificate Date: 12-SEP-96
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CERTIFICATE OF ANALYSIS A9630691

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)
TY 8200E 3300N	201	202	235	11	0.32	71	2380	390	111	0.22	275	< 10	288
TY 8200E 3350N	201	202	715	10	0.47	77	3670	72	102	0.17	348	< 10	182
TY 8200E 3400N	201	202	520	6	1.49	28	1090	68	245	0.31	140	< 10	140
TY 8200E 3450N	201	202	360	8	1.11	49	1610	44	192	0.30	202	< 10	164
TY 8200E 3500N	201	202	355	10	0.73	40	1580	40	121	0.30	167	< 10	146
TY 8200E 3550N	201	202	350	8	0.81	29	1150	80	147	0.37	198	< 10	142
TY 8200E 3600N	201	202	480	8	1.01	36	1790	64	157	0.35	154	< 10	138
TY 8200E 3650N	201	202	420	14	0.37	91	2070	104	100	0.31	389	< 10	252
TY 8200E 3700N	201	202	300	6	1.00	11	510	22	132	0.44	133	< 10	72
TY 8200E 3750N	201	202	320	5	1.92	12	610	16	333	0.25	93	< 10	58
TY 8200E 3800N	201	202	445	7	1.39	32	960	44	229	0.28	119	< 10	248
TY 8200E 3850N	201	202	390	6	1.22	18	770	40	210	0.26	109	< 10	166
TY 8200E 3900N	201	202	435	7	1.07	16	770	42	151	0.29	109	< 10	132
TY 8200E 3950N	201	202	1900	7	1.09	58	1030	44	201	0.46	137	< 10	242
TY 8200E 4000N	201	202	415	11	0.38	10	1140	54	65	0.30	200	< 10	88
TY 8200E 4050N	201	202	415	12	0.68	17	820	54	104	0.27	142	< 10	126
TY 8200E 4100N	201	202	755	8	1.03	17	920	34	127	0.33	100	< 10	94
TY 8200E 4150N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 8200E 4200N	201	202	905	9	0.98	24	980	28	145	0.32	118	< 10	164
TY 8200E 4250N	201	202	1210	8	1.00	28	1040	56	125	0.34	99	< 10	154
TY 8200E 4300N	201	202	685	8	1.17	23	1030	40	161	0.33	114	< 10	146
TY 8200E 4350N	201	202	665	3	1.40	14	630	42	180	0.49	131	< 10	80
TY 8200E 4400N	201	202	1330	10	1.04	30	1010	52	152	0.32	115	< 10	176
TY 8200E 4450N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 8200E 4500N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 8400E 3300N	201	202	280	6	1.16	19	640	24	192	0.32	201	< 10	96
TY 8400E 3350N	201	202	345	9	0.74	34	1790	40	111	0.34	280	< 10	104
TY 8400E 3400N	201	202	225	11	1.17	28	770	36	188	0.37	304	< 10	102
TY 8400E 3450N	201	202	315	8	1.36	22	860	44	214	0.36	218	< 10	98
TY 8400E 3500N	201	202	380	41	1.36	23	630	24	206	0.32	133	< 10	168
TY 8400E 3550N	201	202	360	11	0.79	21	1140	50	121	0.39	181	< 10	94
TY 8400E 3600N	201	202	305	11	1.06	12	1130	8	169	0.38	171	< 10	56
TY 8400E 3650N	201	202	375	7	0.79	10	960	46	115	0.38	176	< 10	60
TY 8400E 3700N	201	202	275	8	1.14	11	670	70	130	0.42	159	< 10	64
TY 8400E 3750N	201	202	295	13	0.86	8	870	46	107	0.35	134	< 10	64
TY 8400E 3800N	201	202	345	8	1.42	6	830	70	169	0.37	112	< 10	54
TY 8400E 3850N	201	202	485	12	0.76	18	670	52	78	0.31	122	< 10	100
TY 8400E 3900N	201	202	355	8	1.93	11	680	18	312	0.25	73	< 10	70
TY 8400E 3950N	201	202	600	12	0.94	17	720	52	127	0.29	126	< 10	104
TY 8400E 4000N	201	202	500	7	1.13	21	520	22	157	0.31	117	< 10	120

CERTIFICATION: Ian Bidder

Chemex Labs Ltd.

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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 : 6413
Comments: ATTN:DAVID TERRY

Certificate Date: 12 SEP-96
Invoice No. :19630691
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9630691

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)
TY 8200E 3300N	201	202	20	4.0	8.14	5530	3.0	14	0.09	< 0.5	9	187	694	6.59	3.18	0.89
TY 8200E 3350N	201	202	25	2.0	7.22	6620	2.5	10	0.30	1.0	14	244	724	6.33	2.40	1.01
TY 8200E 3400N	201	202	< 5	0.4	6.70	1630	1.5	< 2	0.81	< 0.5	8	64	138	3.31	1.94	0.99
TY 8200E 3450N	201	202	< 5	0.2	5.79	3560	1.5	8	0.75	0.5	9	103	329	3.92	1.75	0.75
TY 8200E 3500N	201	202	35	0.2	6.16	1800	1.0	2	0.43	0.5	10	75	355	6.18	1.85	0.88
TY 8200E 3550N	201	202	< 5	0.4	6.67	1780	1.0	8	0.44	< 0.5	8	68	159	3.79	2.22	0.63
TY 8200E 3600N	201	202	< 5	0.6	5.29	1590	1.0	4	0.71	< 0.5	9	78	178	4.75	1.58	0.77
TY 8200E 3650N	201	202	< 5	1.0	8.55	7880	2.5	4	0.10	< 0.5	11	201	387	5.82	3.58	1.45
TY 8200E 3700N	201	202	< 5	0.2	6.28	1470	1.5	< 2	0.48	< 0.5	6	58	57	2.27	2.19	0.54
TY 8200E 3750N	201	202	< 5	0.6	6.66	1480	1.5	< 2	0.98	< 0.5	5	45	32	1.78	2.31	0.65
TY 8200E 3800N	201	202	< 5	1.0	7.20	1990	1.5	4	0.79	0.5	9	53	75	2.85	2.59	0.99
TY 8200E 3850N	201	202	< 5	0.6	7.15	1850	1.5	4	0.85	1.5	6	50	93	3.05	2.65	1.01
TY 8200E 3900N	201	202	15	0.4	7.14	1610	1.5	2	0.71	0.5	6	51	84	3.35	2.81	1.20
TY 8200E 3950N	201	202	10	0.4	9.14	1790	2.0	14	1.32	1.0	21	125	173	4.89	3.22	1.84
TY 8200E 4000N	201	202	< 5	< 0.2	5.42	1380	1.5	10	0.20	0.5	6	55	47	3.39	1.77	0.94
TY 8200E 4050N	201	202	< 5	< 0.2	6.67	2170	1.5	< 2	0.30	< 0.5	7	59	98	3.33	2.40	0.75
TY 8200E 4100N	201	202	< 5	0.2	6.62	1640	1.5	8	0.61	< 0.5	13	53	94	3.54	2.71	1.19
TY 8200E 4150N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 8200E 4200N	201	202	< 5	0.4	7.52	2370	1.5	6	0.79	< 0.5	11	60	134	3.63	3.01	1.34
TY 8200E 4250N	201	202	< 5	0.2	6.42	3180	1.5	6	0.70	0.5	21	53	95	4.06	2.69	1.22
TY 8200E 4300N	201	202	< 5	0.6	7.52	2790	2.0	2	0.84	< 0.5	11	60	120	3.97	2.97	1.37
TY 8200E 4350N	201	202	< 5	< 0.2	6.66	1120	1.5	2	0.90	1.0	9	63	28	4.65	2.45	0.87
TY 8200E 4400N	201	202	< 5	< 0.2	7.24	1760	2.0	< 2	0.91	< 0.5	18	62	148	4.46	3.01	1.40
TY 8200E 4450N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 8200E 4500N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 8400E 3300N	201	202	< 5	0.2	6.95	2670	1.5	2	0.64	< 0.5	7	66	100	2.66	2.59	0.65
TY 8400E 3350N	201	202	< 5	0.4	7.84	4260	2.0	< 2	0.36	< 0.5	7	98	189	4.96	2.76	1.33
TY 8400E 3400N	201	202	< 5	0.4	6.82	3250	2.0	2	0.48	< 0.5	6	120	137	2.47	2.39	0.62
TY 8400E 3450N	201	202	< 5	0.4	7.59	2800	2.0	< 2	0.82	< 0.5	7	74	134	2.80	2.71	0.95
TY 8400E 3500N	201	202	< 5	0.8	7.04	1440	1.5	2	0.67	0.5	8	50	720	2.88	2.18	0.63
TY 8400E 3550N	201	202	< 5	0.4	6.50	1860	1.5	2	0.36	< 0.5	6	59	135	3.76	2.36	0.74
TY 8400E 3600N	201	202	< 5	< 0.2	7.44	1200	1.0	< 2	0.51	< 0.5	5	58	115	7.52	2.23	0.92
TY 8400E 3650N	201	202	< 5	0.4	7.67	1800	1.5	6	0.39	< 0.5	4	60	62	3.63	2.52	0.79
TY 8400E 3700N	201	202	< 5	< 0.2	7.84	1460	1.5	< 2	0.51	< 0.5	5	54	70	3.30	2.72	0.77
TY 8400E 3750N	201	202	< 5	< 0.2	7.65	1460	1.5	6	0.37	< 0.5	4	41	98	3.45	2.84	0.76
TY 8400E 3800N	201	202	< 5	< 0.2	7.48	1130	1.0	8	0.70	< 0.5	5	41	73	3.63	2.41	0.81
TY 8400E 3850N	201	202	< 5	< 0.2	8.47	1460	1.5	6	0.30	0.5	7	65	134	4.85	3.46	1.40
TY 8400E 3900N	201	202	< 5	0.8	7.97	1240	1.5	2	0.93	< 0.5	6	26	108	2.43	2.97	0.82
TY 8400E 3950N	201	202	< 5	0.8	8.79	1860	2.0	4	0.56	< 0.5	9	63	180	3.38	3.46	1.43
TY 8400E 4000N	201	202	< 5	< 0.2	8.57	1620	1.5	8	0.68	0.5	6	55	222	3.06	3.33	1.36

CERTIFICATION:

Chemex Labs Ltd.

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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)
TY 7800E 3750N	201 202	390	5	1.38	9	340	18	190	0.36	99	< 10	56
TY 7800E 3800N	201 202	635	7	1.19	11	790	40	223	0.25	76	< 10	108
TY 7800E 3850N	201 202	370	5	1.22	9	480	22	222	0.33	89	< 10	70
TY 7800E 3900N	201 202	3530	15	1.49	40	1080	84	296	0.25	73	< 10	190
TY 7800E 3950N	201 202	1040	7	1.21	18	930	44	208	0.31	97	< 10	188
TY 7800E 4000N	201 202	1230	8	1.30	14	800	28	235	0.28	87	< 10	134
TY 7800E 4050N	201 202	870	40	0.85	11	770	94	118	0.26	102	< 10	102
TY 7800E 4100N	201 202	470	14	0.91	10	810	52	125	0.27	113	< 10	84
TY 7800E 4150N	201 202	570	12	0.77	18	720	70	93	0.27	120	< 10	110
TY 7800E 4200N	201 202	515	9	0.74	14	820	28	79	0.33	117	< 10	90
TY 7800E 4250N	201 202	315	8	1.13	9	550	50	132	0.41	118	< 10	52
TY 7800E 4300N	201 202	440	6	0.89	13	550	30	95	0.34	112	< 10	68
TY 7800E 4350N	201 202	520	6	1.10	14	750	34	150	0.31	105	< 10	72
TY 7800E 4400N	201 202	455	12	0.85	15	850	46	109	0.29	128	< 10	96
TY 7800E 4450N	201 202	525	4	1.22	14	460	40	152	0.30	87	< 10	80
TY 8000E 3300N	201 202	270	10	1.05	45	2730	70	200	0.25	360	< 10	112
TY 8000E 3350N	201 202	125	16	0.23	28	6190	36	122	0.16	740	< 10	76
TY 8000E 3400N	201 202	170	10	0.33	43	1870	120	64	0.21	263	< 10	224
TY 8000E 3450N	201 202	175	8	0.61	26	800	30	91	0.34	266	< 10	102
TY 8000E 3500N	201 202	200	11	0.29	55	1160	30	44	0.34	277	< 10	186
TY 8000E 3550N	201 202	325	11	0.62	74	1340	40	109	0.29	262	< 10	216
TY 8000E 3600N	201 202	355	6	1.09	42	1020	16	149	0.29	163	< 10	124
TY 8000E 3650N	201 202	285	4	1.90	13	890	12	308	0.27	110	< 10	76
TY 8000E 3700N	201 202	380	6	1.36	26	820	24	205	0.28	123	< 10	114
TY 8000E 3750N	201 202	365	7	1.33	38	1190	14	205	0.30	164	< 10	138
TY 8000E 3800N	201 202	425	3	1.79	15	1290	8	296	0.23	81	< 10	76
TY 8000E 3850N	201 202	500	5	1.31	25	690	28	201	0.26	102	< 10	154
TY 8000E 3900N	201 202	400	9	0.97	19	620	32	130	0.30	121	< 10	100
TY 8000E 3950N	201 202	310	4	2.17	7	840	4	388	0.22	57	< 10	52
TY 8000E 4000N	201 202	670	11	0.96	18	1000	42	147	0.32	145	< 10	144
TY 8000E 4050N	201 202	820	16	0.68	22	1080	60	129	0.24	118	< 10	190
TY 8000E 4100N	201 202	820	10	0.72	30	1100	50	132	0.27	113	< 10	226
TY 8000E 4150N	201 202	845	8	0.81	39	1350	30	209	0.20	101	< 10	252
TY 8000E 4200N	201 202	1360	6	0.95	35	1320	30	188	0.24	94	< 10	292
TY 8000E 4250N	201 202	390	5	1.20	11	720	28	154	0.29	89	< 10	60
TY 8000E 4300N	201 202	535	8	1.10	15	570	60	133	0.30	107	< 10	120
TY 8000E 4350N	201 202	610	4	1.14	30	970	68	136	0.38	109	< 10	124
TY 8000E 4400N	201 202	400	4	1.19	15	800	36	149	0.29	88	< 10	70
TY 8000E 4450N	201 202	345	7	1.01	11	370	20	104	0.33	93	< 10	68
TY 8000E 4500N	201 202	860	6	0.70	10	570	40	111	0.46	197	< 10	92

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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)
TY 7800E 3750N	201 202	< 5	0.2	7.22	1290	1.0	< 2	0.76	< 0.5	5	43	38	2.21	2.22	0.81
TY 7800E 3800N	201 202	50	0.4	6.90	1430	1.5	4	0.81	< 0.5	9	30	124	3.40	2.22	0.78
TY 7800E 3850N	201 202	< 5	< 0.2	7.11	1450	1.0	2	0.88	< 0.5	6	35	72	3.02	2.27	0.73
TY 7800E 3900N	201 202	< 5	0.4	8.34	1850	1.5	2	1.03	< 0.5	52	17	159	4.30	3.09	1.14
TY 7800E 3950N	201 202	15	0.8	8.86	1940	2.0	2	0.88	< 0.5	15	41	176	4.37	3.09	1.23
TY 7800E 4000N	201 202	10	0.4	8.03	1730	1.5	< 2	0.83	< 0.5	23	38	108	4.28	2.58	1.04
TY 7800E 4050N	201 202	20	0.4	8.24	1450	1.0	2	0.60	< 0.5	18	44	319	5.58	3.00	1.11
TY 7800E 4100N	201 202	10	0.6	8.24	1310	1.5	6	0.52	< 0.5	7	53	193	3.58	2.63	1.24
TY 7800E 4150N	201 202	< 5	< 0.2	8.19	1480	1.5	6	0.42	< 0.5	7	60	187	4.31	3.13	1.40
TY 7800E 4200N	201 202	< 5	0.2	7.47	1260	1.5	< 2	0.34	< 0.5	8	52	59	5.25	2.67	1.19
TY 7800E 4250N	201 202	< 5	< 0.2	6.87	1100	1.0	< 2	0.45	< 0.5	5	45	33	3.37	2.27	0.84
TY 7800E 4300N	201 202	< 5	< 0.2	6.83	1090	0.5	2	0.40	< 0.5	6	49	87	4.09	2.28	1.00
TY 7800E 4350N	201 202	< 5	0.2	7.03	1100	1.0	2	0.60	< 0.5	8	46	117	3.33	2.43	1.07
TY 7800E 4400N	201 202	< 5	0.4	7.95	1400	1.5	2	0.46	< 0.5	8	53	298	3.83	2.85	1.26
TY 7800E 4450N	201 202	< 5	< 0.2	6.73	1160	1.0	2	0.70	< 0.5	9	43	84	3.61	2.52	1.11
TY 8000E 3300N	201 202	< 5	0.4	6.22	5170	1.5	4	0.66	< 0.5	7	145	169	3.43	1.98	0.73
TY 8000E 3350N	201 202	< 5	2.6	5.58	650	2.0	< 2	0.11	< 0.5	4	345	176	4.64	1.54	0.55
TY 8000E 3400N	201 202	< 5	0.8	6.78	4910	2.5	4	0.10	< 0.5	8	126	303	5.75	2.60	0.76
TY 8000E 3450N	201 202	< 5	1.0	4.93	3380	1.0	2	0.26	< 0.5	5	95	166	2.44	1.43	0.45
TY 8000E 3500N	201 202	< 5	< 0.2	6.81	4470	1.5	4	0.09	< 0.5	10	126	294	4.70	2.56	0.88
TY 8000E 3550N	201 202	< 5	0.4	5.71	3150	1.5	2	0.38	1.0	14	109	345	4.22	1.90	0.75
TY 8000E 3600N	201 202	< 5	0.2	5.59	1600	1.5	4	0.77	< 0.5	11	79	168	3.68	1.44	0.76
TY 8000E 3650N	201 202	< 5	0.2	6.93	1910	1.0	8	0.93	0.5	6	38	78	2.05	2.39	0.59
TY 8000E 3700N	201 202	< 5	< 0.2	6.55	1510	1.0	2	0.71	< 0.5	9	47	130	2.79	2.15	0.75
TY 8000E 3750N	201 202	< 5	0.2	5.98	1650	1.0	6	0.85	0.5	11	69	167	3.47	1.76	0.73
TY 8000E 3800N	201 202	< 5	0.4	7.09	1720	1.0	2	0.97	0.5	8	37	124	1.99	2.14	0.64
TY 8000E 3850N	201 202	< 5	< 0.2	7.99	2350	2.0	8	0.74	0.5	10	42	186	2.94	3.29	1.06
TY 8000E 3900N	201 202	< 5	< 0.2	7.27	2140	1.5	2	0.47	< 0.5	8	49	142	3.11	2.79	1.01
TY 8000E 3950N	201 202	< 5	0.4	6.81	1160	1.0	2	1.25	< 0.5	6	18	63	1.72	2.16	0.59
TY 8000E 4000N	201 202	< 5	0.4	8.37	1960	1.5	8	0.67	0.5	12	61	242	3.92	3.27	1.30
TY 8000E 4050N	201 202	< 5	0.4	7.25	1810	1.5	6	0.65	1.0	11	55	293	4.01	2.66	1.14
TY 8000E 4100N	201 202	< 5	0.2	6.95	1780	1.5	4	0.77	0.5	14	67	210	4.22	2.65	1.33
TY 8000E 4150N	201 202	< 5	0.4	6.90	1630	2.0	6	1.21	1.5	12	54	844	3.20	2.43	1.03
TY 8000E 4200N	201 202	< 5	0.2	7.36	1430	2.0	10	0.96	1.5	19	53	705	3.20	2.48	1.09
TY 8000E 4250N	201 202	< 5	0.6	6.71	1090	1.0	6	0.64	< 0.5	5	43	72	2.58	2.42	0.95
TY 8000E 4300N	201 202	< 5	< 0.2	8.08	1820	1.5	8	0.60	< 0.5	10	52	140	3.90	3.02	1.27
TY 8000E 4350N	201 202	< 5	0.8	7.59	1410	1.5	6	0.73	0.5	10	69	80	3.82	2.71	1.55
TY 8000E 4400N	201 202	< 5	0.4	7.12	1410	1.5	2	0.63	< 0.5	5	39	56	2.73	2.88	1.02
TY 8000E 4450N	201 202	< 5	0.4	6.82	1320	1.5	6	0.50	< 0.5	5	43	88	2.82	2.41	0.90
TY 8000E 4500N	201 202	< 5	0.6	9.58	1880	2.0	10	0.24	< 0.5	5	30	30	5.21	3.72	1.73

CERTIFICATION: Ivan Bridley

Chemex Labs Ltd.

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TY 7600E 3350N	201	202	505	15	1.54	14	980	26	275	0.26	102	< 10	86			
TY 7600E 3400N	201	202	615	16	1.10	15	670	20	96	0.14	68	< 10	106			
TY 7600E 3450N	201	202	360	10	0.47	15	820	32	63	0.25	155	< 10	98			
TY 7600E 3500N	201	202	905	15	0.34	17	1660	44	61	0.23	157	< 10	106			
TY 7600E 3550N	201	202	205	41	0.91	12	1060	40	93	0.22	117	< 10	60			
TY 7600E 3600N	201	202	395	5	0.94	17	750	30	134	0.36	120	< 10	76			
TY 7600E 3650N	201	202	435	4	1.03	13	1070	22	145	0.32	98	< 10	86			
TY 7600E 3700N	201	202	1305	5	0.90	16	630	100	286	0.29	85	< 10	472			
TY 7600E 3750N	201	202	370	5	1.63	6	820	4	274	0.34	80	< 10	68			
TY 7600E 3800N	201	202	425	6	1.60	11	680	16	210	0.33	90	< 10	78			
TY 7600E 3850N	201	202	975	5	1.26	13	940	30	210	0.26	70	< 10	94			
TY 7600E 3900N	201	202	355	7	1.08	7	890	16	188	0.36	152	< 10	66			
TY 7600E 3950N	201	202	1050	17	1.22	17	1040	64	262	0.25	125	< 10	112			
TY 7600E 4000N	201	202	945	10	1.16	25	950	120	233	0.25	81	< 10	126			
TY 7600E 4050N	201	202	305	12	0.72	13	800	30	107	0.34	117	< 10	82			
TY 7600E 4100N	201	202	355	11	1.05	3	750	44	169	0.26	97	< 10	84			
TY 7600E 4150N	201	202	480	18	0.83	14	620	62	95	0.27	116	< 10	108			
TY 7600E 4200N	201	202	355	31	0.87	10	820	128	136	0.22	100	< 10	70			
TY 7600E 4250N	201	202	400	28	0.98	10	720	110	140	0.23	104	< 10	88			
TY 7600E 4300N	201	202	350	32	0.68	13	850	72	90	0.23	138	< 10	76			
TY 7600E 4350N	201	202	385	28	0.85	13	850	70	125	0.25	126	< 10	92			
TY 7600E 4400N	201	202	390	19	0.95	9	750	56	143	0.25	107	< 10	80			
TY 7600E 4450N	201	202	455	4	0.84	18	770	64	96	0.29	90	< 10	90			
TY 7600E 4500N	201	202	510	18	0.98	15	1200	90	154	0.27	112	< 10	92			
TY 7600E 4550N	201	202	430	5	1.55	12	500	32	195	0.33	92	< 10	74			
TY 7600E 4600N	201	202	365	3	1.76	11	700	12	227	0.35	92	< 10	60			
TY 7600E 4650N	201	202	610	17	0.90	16	900	46	122	0.29	123	< 10	156			
TY 7800E 3100N	201	202	210	21	0.36	37	6080	46	153	0.21	641	< 10	162			
TY 7800E 3150N	201	202	180	9	0.41	23	760	28	71	0.23	242	< 10	118			
TY 7800E 3200N	201	202	245	6	0.57	27	1060	20	99	0.19	191	< 10	118			
TY 7800E 3250N	201	202	250	6	0.49	24	910	22	79	0.19	170	< 10	106			
TY 7800E 3300N	201	202	235	5	0.41	20	940	30	71	0.21	168	< 10	94			
TY 7800E 3350N	201	202	325	32	0.54	57	4150	184	181	0.28	540	< 10	206			
TY 7800E 3400N	201	202	290	12	1.47	21	1750	60	307	0.23	250	< 10	116			
TY 7800E 3450N	201	202	225	12	0.42	53	2160	90	130	0.21	356	< 10	242			
TY 7800E 3500N	201	202	230	14	0.36	45	3190	60	181	0.22	373	< 10	182			
TY 7800E 3550N	201	202	270	18	0.47	57	1550	60	120	0.18	349	< 10	272			
TY 7800E 3600N	201	202	245	5	1.75	6	1530	10	301	0.20	103	< 10	52			
TY 7800E 3650N	201	202	245	13	1.14	17	590	32	163	0.30	183	< 10	76			
TY 7800E 3700N	201	202	345	8	1.07	18	530	26	118	0.32	131	< 10	78			

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 : 6413
Comments: ATTN:DAVID TERRY

Page Number :2-A
Total Pages :7
Certificate Date: 12-SEP-96
Invoice No. :19630691
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9630691

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)
TY 7600E 3350N	201	202	< 5	< 0.2	8.37	1280	1.5	2	1.06	< 0.5	13	34	480	3.05	2.60	1.04
TY 7600E 3400N	201	202	< 5	0.4	10.75	1640	2.0	4	0.26	< 0.5	23	17	976	2.61	3.87	0.93
TY 7600E 3450N	201	202	20	1.2	8.21	1570	1.5	6	0.18	< 0.5	9	69	313	5.42	2.54	1.07
TY 7600E 3500N	201	202	25	0.6	9.14	2170	1.5	10	0.09	< 0.5	4	91	207	7.62	3.02	1.61
TY 7600E 3550N	201	202	< 5	0.4	9.16	1410	1.5	2	0.21	< 0.5	6	31	379	4.93	2.82	0.63
TY 7600E 3600N	201	202	< 5	< 0.2	6.18	1210	1.0	< 2	0.53	< 0.5	7	48	80	3.86	1.88	0.65
TY 7600E 3650N	201	202	< 5	0.2	6.71	1280	1.0	2	0.59	< 0.5	8	41	75	4.25	2.15	0.71
TY 7600E 3700N	201	202	25	0.2	7.50	1790	1.5	4	1.23	< 0.5	14	33	162	4.51	2.56	1.05
TY 7600E 3750N	201	202	< 5	0.4	7.34	1440	1.0	6	1.03	< 0.5	6	25	25	2.57	2.30	0.69
TY 7600E 3800N	201	202	< 5	< 0.2	7.26	1450	1.0	< 2	0.84	< 0.5	8	34	36	3.19	2.28	0.81
TY 7600E 3850N	201	202	< 5	< 0.2	6.99	1350	1.0	2	0.76	0.5	20	27	50	4.32	2.03	0.68
TY 7600E 3900N	201	202	< 5	0.2	8.32	2450	1.0	< 2	0.90	< 0.5	5	51	94	5.84	2.56	1.27
TY 7600E 3950N	201	202	< 5	0.8	7.17	1450	1.5	4	0.65	< 0.5	7	55	99	4.49	2.27	0.93
TY 7600E 4000N	201	202	< 5	0.6	7.72	2130	1.5	6	0.56	0.5	15	33	84	4.35	2.73	0.95
TY 7600E 4050N	201	202	< 5	1.0	7.97	1860	1.5	2	0.31	< 0.5	7	47	137	4.25	2.52	0.76
TY 7600E 4100N	201	202	< 5	0.6	8.05	1700	1.0	< 2	0.49	< 0.5	4	21	158	3.92	2.73	0.67
TY 7600E 4150N	201	202	< 5	0.6	8.20	1500	1.5	2	0.36	< 0.5	7	53	167	4.01	3.30	1.38
TY 7600E 4200N	201	202	10	3.0	7.15	1370	1.0	2	0.51	< 0.5	4	37	206	3.13	2.43	0.97
TY 7600E 4250N	201	202	10	1.8	7.76	1360	1.5	8	0.52	< 0.5	6	44	166	3.22	2.85	1.16
TY 7600E 4300N	201	202	20	1.4	8.08	1600	1.5	4	0.33	< 0.5	5	60	298	3.48	2.87	1.20
TY 7600E 4350N	201	202	25	1.6	8.01	1420	1.0	6	0.46	< 0.5	4	59	381	3.25	2.83	1.28
TY 7600E 4400N	201	202	15	0.8	7.27	1230	1.0	2	0.59	< 0.5	5	44	505	3.17	2.49	1.20
TY 7600E 4450N	201	202	< 5	< 0.2	6.70	1170	1.0	< 2	0.39	0.5	9	44	182	4.35	2.52	0.98
TY 7600E 4500N	201	202	20	1.2	7.35	1460	1.0	6	0.56	< 0.5	5	49	929	4.82	2.59	1.19
TY 7600E 4550N	201	202	< 5	0.4	7.15	1180	1.0	< 2	0.82	< 0.5	7	43	51	4.02	2.20	0.97
TY 7600E 4600N	201	202	< 5	0.2	6.47	1190	0.5	< 2	0.98	< 0.5	6	43	26	2.81	2.05	0.83
TY 7600E 4650N	201	202	10	0.4	9.86	1970	1.5	4	0.44	< 0.5	10	55	507	4.76	3.67	1.35
TY 7800E 3100N	201	202	10	1.4	5.30	440	1.5	< 2	0.20	< 0.5	4	202	330	6.46	1.70	0.56
TY 7800E 3150N	201	202	< 5	0.4	7.29	5760	2.0	< 2	0.14	< 0.5	6	98	144	4.18	2.85	0.87
TY 7800E 3200N	201	202	< 5	0.4	6.56	3590	1.5	2	0.34	< 0.5	6	89	162	3.91	2.53	0.93
TY 7800E 3250N	201	202	< 5	0.2	5.55	3710	1.5	10	0.32	< 0.5	7	78	163	3.40	2.04	0.83
TY 7800E 3300N	201	202	< 5	0.4	5.67	3450	1.5	2	0.26	< 0.5	6	79	137	3.45	2.12	0.89
TY 7800E 3350N	201	202	< 5	7.2	5.87	1190	1.0	10	0.29	0.5	9	118	367	5.16	1.86	0.66
TY 7800E 3400N	201	202	< 5	0.8	6.36	2350	1.0	4	0.96	0.5	8	68	140	3.27	1.87	0.79
TY 7800E 3450N	201	202	< 5	1.4	5.17	2630	1.5	2	0.30	0.5	9	135	286	4.43	1.81	0.62
TY 7800E 3500N	201	202	10	1.0	6.02	5910	1.5	< 2	0.17	< 0.5	9	131	329	4.35	2.12	0.61
TY 7800E 3550N	201	202	20	0.8	7.37	5440	2.0	< 2	0.19	< 0.5	13	107	427	5.08	2.71	0.69
TY 7800E 3600N	201	202	< 5	0.8	7.11	1990	1.0	< 2	0.85	< 0.5	4	40	123	1.50	2.11	0.56
TY 7800E 3650N	201	202	< 5	< 0.2	7.28	1940	1.5	2	0.52	< 0.5	6	63	138	2.55	2.41	0.89
TY 7800E 3700N	201	202	< 5	< 0.2	7.14	1420	1.0	2	0.48	< 0.5	7	58	115	3.73	2.32	0.99

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 : 6413
Comments: ATTN:DAVID TERRY

CERTIFICATE OF ANALYSIS A9630691

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)
TY 7400E 3100N	201	202	400	17	0.90	25	1090	28	111	0.27	145	< 10	106
TY 7400E 3150N	201	202	340	15	0.51	22	1620	46	86	0.31	206	< 10	116
TY 7400E 3200N	201	202	270	14	0.61	18	1340	60	91	0.25	170	< 10	90
TY 7400E 3250N	201	202	430	12	1.28	15	1410	64	198	0.23	167	< 10	88
TY 7400E 3300N	201	202	230	19	0.68	17	1830	84	127	0.20	246	< 10	94
TY 7400E 3350N	201	202	350	19	0.46	10	1830	356	86	0.23	214	< 10	96
TY 7400E 3400N	201	202	425	5	0.35	16	580	34	47	0.34	103	< 10	128
TY 7400E 3450N	201	202	330	4	0.40	17	570	24	109	0.46	125	< 10	92
TY 7400E 3500N	201	202	375	4	0.32	18	680	28	58	0.29	104	< 10	98
TY 7400E 3550N	201	202	345	4	0.36	18	650	28	66	0.33	120	< 10	86
TY 7400E 3600N	201	202	475	5	2.31	10	840	28	452	0.22	81	< 10	64
TY 7400E 3650N	201	202	735	6	0.87	32	1160	60	170	0.30	175	< 10	132
TY 7400E 3700N	201	202	195	4	0.72	12	690	44	124	0.41	195	< 10	64
TY 7400E 3750N	201	202	1220	10	1.00	51	1670	64	78	0.73	226	< 10	126
TY 7400E 3800N	201	202	505	11	0.42	33	1640	80	101	0.37	242	< 10	112
TY 7400E 3850N	201	202	1150	9	0.50	41	1740	186	116	0.27	117	< 10	172
TY 7400E 3900N	201	202	2460	1	0.80	264	1080	12	112	1.64	257	10	150
TY 7400E 3950N	201	202	1550	8	0.56	36	1060	92	82	0.41	119	< 10	150
TY 7400E 4000N	201	202	375	5	1.94	8	540	10	345	0.27	89	< 10	64
TY 7400E 4050N	201	202	710	12	0.86	17	890	32	131	0.24	86	< 10	242
TY 7400E 4100N	201	202	800	20	0.71	20	730	26	110	0.30	143	< 10	144
TY 7400E 4150N	201	202	605	26	0.85	17	740	34	126	0.23	107	< 10	148
TY 7400E 4200N	201	202	415	16	0.86	9	680	66	123	0.23	126	< 10	90
TY 7400E 4250N	201	202	460	13	0.72	10	890	48	116	0.33	164	< 10	78
TY 7400E 4300N	201	202	420	11	1.19	11	550	72	185	0.31	117	< 10	64
TY 7400E 4350N	201	202	690	16	0.94	21	1180	136	188	0.39	136	< 10	144
TY 7400E 4400N	201	202	675	19	0.92	21	1100	80	134	0.36	130	< 10	106
TY 7400E 4450N	201	202	890	29	0.65	27	1300	100	169	0.27	120	< 10	160
TY 7400E 4500N	201	202	725	18	0.86	20	800	66	126	0.29	118	< 10	150
TY 7400E 4550N	201	202	1090	24	0.88	24	1000	64	148	0.27	113	< 10	254
TY 7400E 4600N	201	202	645	17	1.33	18	690	40	228	0.23	92	< 10	120
TY 7400E 4650N	201	202	385	3	1.58	9	610	30	233	0.28	63	< 10	58
TY 7400E 4700N	201	202	650	6	1.20	16	1220	76	162	0.29	79	< 10	90
TY 7400E 4750N	201	202	295	3	1.57	10	390	10	175	0.43	127	< 10	54
TY 7400E 4800N	201	202	350	5	1.70	11	1570	54	263	0.30	89	< 10	64
TY 7600E 3100N	201	202	260	11	0.91	16	780	26	76	0.27	164	< 10	70
TY 7600E 3150N	201	202	410	48	0.57	23	990	520	96	0.25	141	< 10	304
TY 7600E 3200N	201	202	220	49	0.50	44	1060	10	66	0.16	301	< 10	112
TY 7600E 3250N	201	202	230	44	0.55	24	1200	26	58	0.25	278	< 10	84
TY 7600E 3300N	201	202	390	4	2.57	9	650	< 2	583	0.31	86	< 10	54

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project : 6413
Comments: ATTN:DAVID TERRY

Certificate Date: 12-SEP-96
Invoice No. :I9630691
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9630691

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)
TY 7400E 3100N	201	202	15	0.4	8.80	1930	2.0	6	0.47	< 0.5	10	68	353	3.96	3.02	1.25
TY 7400E 3150N	201	202	465	1.4	8.82	2200	2.0	36	0.12	< 0.5	9	104	316	5.91	3.26	0.88
TY 7400E 3200N	201	202	65	1.6	9.05	2020	2.0	32	0.17	< 0.5	7	78	278	4.71	3.20	0.98
TY 7400E 3250N	201	202	30	1.0	9.30	1870	2.0	16	0.54	< 0.5	8	70	195	4.24	3.10	1.05
TY 7400E 3300N	201	202	35	1.4	9.54	2360	2.0	16	0.25	< 0.5	7	79	238	5.15	3.30	0.93
TY 7400E 3350N	201	202	70	3.6	8.26	1410	2.0	34	0.11	< 0.5	4	79	180	6.86	3.20	0.98
TY 7400E 3400N	201	202	< 5	4.6	9.01	2020	2.0	10	0.05	< 0.5	11	67	213	5.01	3.73	0.72
TY 7400E 3450N	201	202	< 5	0.4	10.80	2240	2.5	6	0.04	< 0.5	9	91	108	4.19	4.85	0.98
TY 7400E 3500N	201	202	< 5	0.4	7.46	1570	2.0	8	0.05	< 0.5	8	64	146	3.97	3.08	0.90
TY 7400E 3550N	201	202	< 5	0.4	8.47	1760	2.0	10	0.06	< 0.5	9	73	145	3.93	3.44	1.00
TY 7400E 3600N	201	202	< 5	0.6	7.46	1190	1.5	8	1.42	< 0.5	8	34	68	2.72	2.23	0.77
TY 7400E 3650N	201	202	< 5	0.6	8.71	2450	2.0	6	0.43	< 0.5	10	106	139	4.82	2.99	1.49
TY 7400E 3700N	201	202	< 5	1.2	8.01	2010	2.0	8	0.30	< 0.5	5	153	43	2.51	2.77	0.72
TY 7400E 3750N	201	202	< 5	1.2	7.69	1640	2.0	8	0.11	< 0.5	17	131	103	7.49	1.86	1.84
TY 7400E 3800N	201	202	< 5	0.2	5.51	1200	1.5	8	0.23	< 0.5	15	71	166	4.75	1.69	0.75
TY 7400E 3850N	201	202	< 5	< 0.2	4.39	930	1.0	2	0.37	0.5	20	62	174	5.82	1.20	0.67
TY 7400E 3900N	201	202	< 5	0.4	5.15	360	0.5	6	3.35	0.5	31	469	137	8.19	0.66	5.63
TY 7400E 3950N	201	202	< 5	< 0.2	4.74	1010	0.5	4	0.33	< 0.5	23	60	129	5.35	1.23	0.78
TY 7400E 4000N	201	202	< 5	< 0.2	7.26	1350	1.0	6	1.06	< 0.5	8	26	128	2.55	2.09	0.70
TY 7400E 4050N	201	202	< 5	0.4	8.67	2200	1.5	8	0.42	< 0.5	14	37	969	3.37	2.60	0.95
TY 7400E 4100N	201	202	5	< 0.2	7.89	1620	1.5	6	0.71	< 0.5	8	72	273	4.83	2.60	1.66
TY 7400E 4150N	201	202	10	0.6	8.62	2280	2.0	10	0.51	< 0.5	13	39	332	4.36	3.16	1.27
TY 7400E 4200N	201	202	< 5	1.4	8.22	1380	1.5	6	0.37	< 0.5	7	56	152	3.65	2.80	1.30
TY 7400E 4250N	201	202	< 5	0.4	7.51	1140	0.5	6	0.42	< 0.5	5	49	58	5.53	2.21	1.11
TY 7400E 4300N	201	202	< 5	0.8	8.26	1240	1.0	8	0.64	< 0.5	6	50	46	3.28	2.53	1.08
TY 7400E 4350N	201	202	< 5	0.8	8.03	1630	1.5	6	0.79	< 0.5	7	67	104	4.90	2.77	1.58
TY 7400E 4400N	201	202	40	0.4	8.12	1620	1.5	10	0.63	< 0.5	6	69	83	4.37	2.67	1.58
TY 7400E 4450N	201	202	not/ss	1.0	7.36	1610	1.5	8	0.87	< 0.5	11	59	179	4.89	2.64	1.42
TY 7400E 4500N	201	202	< 5	0.2	7.73	1580	1.5	2	0.69	< 0.5	9	60	187	4.06	2.65	1.47
TY 7400E 4550N	201	202	< 5	< 0.2	7.73	1460	1.5	6	0.98	1.0	19	62	463	4.14	2.64	1.44
TY 7400E 4600N	201	202	not/ss	0.4	7.44	1340	1.5	8	0.97	1.0	14	45	570	3.06	2.42	1.11
TY 7400E 4650N	201	202	< 5	< 0.2	6.07	870	0.5	4	0.94	< 0.5	7	26	49	2.85	1.82	0.75
TY 7400E 4700N	201	202	< 5	0.6	5.93	1260	0.5	4	0.77	< 0.5	16	46	60	5.21	1.95	0.93
TY 7400E 4750N	201	202	< 5	< 0.2	6.71	1770	0.5	6	0.88	< 0.5	7	52	20	2.38	1.98	0.71
TY 7400E 4800N	201	202	< 5	1.2	7.00	1270	1.0	6	0.99	< 0.5	7	41	54	2.86	2.04	0.74
TY 7600E 3100N	201	202	not/ss	0.4	7.82	1820	1.5	8	0.27	< 0.5	6	61	156	3.38	2.48	0.95
TY 7600E 3150N	201	202	< 5	2.0	11.00	8030	3.0	10	0.20	< 0.5	17	33	918	3.71	4.91	1.23
TY 7600E 3200N	201	202	< 5	0.6	10.25	6170	2.5	6	0.11	< 0.5	12	98	863	4.20	3.76	0.91
TY 7600E 3250N	201	202	< 5	0.8	10.60	5380	2.0	10	0.13	< 0.5	8	101	597	4.00	3.64	1.36
TY 7600E 3300N	201	202	< 5	0.2	7.74	790	0.5	6	2.35	< 0.5	11	21	154	2.61	1.73	1.15

CERTIFICATION: Ian Bird

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

A9630691

Comments: ATTN:DAVID TERRY

CERTIFICATE A9630691

(GP W) - WESTMIN RESOURCES LTD.

Project: 6413
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 12-SEP-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	240	Dry, sieve to -80 mesh
202	240	save reject
285	240	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	237	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	240	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	240	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	240	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	240	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	240	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	240	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	240	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	240	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	240	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	240	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	240	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	240	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	240	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	240	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	240	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	240	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	240	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	240	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	240	Pb ppm: 24 element, rock & core	AAS	2	10000
582	240	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	240	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	240	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	240	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	240	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

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

Project : 6408
Comments: ATTN:DAVID TERRY

Certificate Date: 06-SEP-96
Invoice No. :19629714
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9629714

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)
L5000E,4350N	201 202	220	7	0.51	7	530	50	82	0.31	143	< 10	80
L5000E,4375N	201 202	465	6	1.78	12	570	12	68	0.39	108	< 10	80
L5000E,4400N	201 202	340	4	1.21	7	480	24	126	0.35	86	< 10	56
L5000E,4425N	201 202	1145	3	1.26	14	1510	12	349	0.14	36	< 10	68
L5000E,4450N	201 202	335	10	0.81	19	550	30	75	0.31	66	< 10	80
[redacted]	201 202	1515	3	0.82	22	3310	34	308	0.17	49	< 10	88
	201 202	730	3	1.03	26	1140	28	219	0.36	78	10	82
	201 202	645	5	0.78	20	1190	40	189	0.25	65	< 10	96
	201 202	1420	7	0.65	21	1110	46	154	0.41	85	< 10	90
	201 202	740	2	0.90	20	1300	32	248	0.26	72	< 10	92
	201 202	645	3	0.94	19	750	42	172	0.33	84	< 10	106
	201 202	450	3	1.14	14	880	36	241	0.26	83	< 10	90
	201 202	655	3	1.28	11	710	32	176	0.28	78	< 10	112
	201 202	1305	2	1.56	14	1030	50	273	0.23	77	< 10	128
	201 202	615	3	1.19	14	1160	44	187	0.26	90	< 10	92
	201 202	485	1	1.43	17	810	20	248	0.27	95	< 10	74
	201 202	505	3	2.27	14	530	14	440	0.24	72	< 10	76
	201 202	735	4	1.10	21	1200	32	190	0.28	125	< 10	98
	201 202	565	2	1.11	20	970	30	167	0.29	96	< 10	106
	201 202	465	3	1.11	18	930	24	158	0.30	97	< 10	90
	201 202	480	4	1.14	13	720	16	172	0.27	95	< 10	74
	201 202	600	3	1.01	25	1210	36	143	0.39	89	< 10	108
	201 202	835	4	0.89	48	1770	56	127	0.54	112	< 10	170
	201 202	620	5	1.40	31	1140	36	231	0.37	88	< 10	126
	201 202	775	5	0.85	36	1370	48	115	0.47	103	< 10	146
	201 202	800	4	0.89	34	1370	60	118	0.51	97	< 10	146
	201 202	1235	5	0.90	31	1280	52	118	0.47	102	< 10	138

CERTIFICATION: [illegible]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project : 6408
Comments: ATTN:DAVID TERRY

Certificate Date: 06-SEP-96
Invoice No. :19629714
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9629714

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)
L5000E,4350N	201 202	< 5	< 0.2	11.75	4460	4.0	12	0.08	< 0.5	5	38	17	3.24	5.58	1.39
L5000E,4375N	201 202	< 5	< 0.2	8.85	2830	2.0	12	0.12	< 0.5	9	37	35	4.28	3.76	1.07
L5000E,4400N	201 202	< 5	< 0.2	8.13	1730	1.5	4	0.42	< 0.5	5	33	13	2.45	3.14	0.85
L5000E,4425N	201 202	< 5	1.0	4.94	940	1.0	< 2	2.33	1.0	6	18	72	1.70	1.32	0.52
L5000E,4450N	201 202	< 5	< 0.2	10.00	1960	2.5	2	0.14	< 0.5	9	23	45	4.64	4.71	1.08
	201 202	< 5	1.0	4.95	830	1.5	2	2.63	0.5	13	46	199	2.45	1.33	0.58
	201 202	< 5	0.6	6.79	1000	1.5	< 2	1.39	< 0.5	11	39	69	3.30	2.36	1.04
	201 202	< 5	0.6	6.69	1130	1.5	< 2	1.25	< 0.5	10	33	60	2.86	2.83	0.82
	201 202	< 5	< 0.2	6.83	1240	1.5	< 2	1.16	< 0.5	19	51	36	3.78	2.65	1.02
	201 202	< 5	0.6	6.29	1050	1.5	< 2	1.72	0.5	10	45	78	3.09	2.20	0.91
	201 202	10	0.4	7.29	1220	2.0	< 2	1.17	< 0.5	12	52	56	3.71	3.43	1.34
	201 202	5	0.4	7.75	1240	2.0	< 2	1.30	< 0.5	9	48	39	3.17	3.22	1.17
	201 202	< 5	< 0.2	6.70	970	1.5	< 2	1.11	< 0.5	11	48	24	3.21	2.80	1.17
	201 202	< 5	< 0.2	7.15	890	1.5	< 2	1.04	0.5	16	36	36	3.61	2.43	0.92
	201 202	< 5	< 0.2	7.09	1020	1.5	< 2	0.84	< 0.5	9	46	32	3.41	2.64	0.93
	201 202	< 5	< 0.2	6.84	1170	1.5	< 2	0.95	< 0.5	8	37	31	2.79	2.49	0.84
	201 202	< 5	0.2	7.59	1000	1.5	< 2	1.50	< 0.5	8	25	30	2.62	2.40	0.79
	201 202	< 5	1.0	7.33	1300	1.5	< 2	0.93	< 0.5	10	53	39	3.71	2.71	1.04
	201 202	< 5	0.2	6.84	1220	1.5	< 2	0.95	< 0.5	9	40	31	3.25	2.76	1.00
	201 202	< 5	< 0.2	6.49	1190	1.5	< 2	0.83	< 0.5	8	44	33	3.09	2.62	0.94
	201 202	< 5	0.2	6.27	1090	1.5	< 2	0.78	< 0.5	7	38	27	2.69	2.40	0.80
	201 202	< 5	< 0.2	6.05	1120	1.5	< 2	0.91	< 0.5	10	48	40	3.36	2.37	1.07
	201 202	10	< 0.2	6.17	1140	1.5	< 2	0.83	< 0.5	15	87	62	4.96	2.22	1.41
	201 202	< 5	< 0.2	6.69	1150	1.5	< 2	1.00	< 0.5	11	53	50	3.74	2.39	1.09
	201 202	10	0.6	6.03	1070	1.0	< 2	0.72	< 0.5	13	70	49	4.34	2.24	1.26
	201 202	< 5	< 0.2	5.90	1030	1.5	< 2	0.87	< 0.5	14	68	46	4.36	2.14	1.37
	201 202	< 5	< 0.2	6.26	1070	1.0	< 2	0.75	< 0.5	15	64	38	4.29	2.17	1.26

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 : 6408
Comments: ATTN:DAVID TERRY

Page Number : 1-B
Total Pages : 2
Certificate Date: 06-SEP-96
Invoice No. : 19629714
P.O. Number :
Account : GP W

CERTIFICATE OF ANALYSIS A9629714

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)
L5000E,3225N	201 202	300	3	2.13	6	700	18	374	0.26	57	< 10	58
L5000E,3250N	201 202	510	5	1.42	5	570	62	176	0.21	64	< 10	96
L5000E,3275N	201 202	540	2	1.37	5	360	74	86	0.18	37	< 10	142
L5000E,3300N	201 202	540	2	1.48	1	400	64	85	0.18	37	< 10	140
L5000E,3325N	201 202	370	3	2.19	3	630	26	372	0.19	38	< 10	70
L5000E,3350N	201 202	370	2	0.88	1	350	16	63	0.19	49	< 10	46
L5000E,3375N	201 202	505	3	1.49	7	800	26	285	0.24	69	< 10	102
L5000E,3400N	201 202	660	3	1.23	6	560	54	149	0.23	67	< 10	120
L5000E,3425N	201 202	1245	3	1.83	22	1030	42	230	0.43	124	10	154
L5000E,3450N	201 202	1895	2	1.08	23	1010	26	87	0.39	122	< 10	148
L5000E,3475N	201 202	1475	4	0.69	17	910	80	61	0.32	127	< 10	428
L5000E,3500N	201 202	1685	3	1.20	20	960	20	150	0.33	126	< 10	112
L5000E,3525N	201 202	460	5	1.29	11	670	14	107	0.38	123	< 10	96
L5000E,3550N	201 202	870	15	0.97	3	630	80	26	0.24	154	< 10	348
L5000E,3575N	201 202	1640	8	0.71	12	1020	70	57	0.27	213	< 10	172
L5000E,3600N	201 202	825	4	1.16	12	890	40	211	0.36	98	< 10	122
L5000E,3750N	201 202	535	3	2.32	5	720	< 2	468	0.30	65	< 10	62
L5000E,3775N	201 202	540	1	2.20	5	860	< 2	474	0.27	64	< 10	70
L5000E,3800N	201 202	570	2	1.74	9	690	16	247	0.30	75	< 10	84
L5000E,3825N	201 202	485	3	2.44	7	370	< 2	449	0.31	73	< 10	76
L5000E,3850N	201 202	640	6	1.59	11	600	22	248	0.34	92	< 10	102
L5000E,3875N	201 202	365	3	1.92	6	560	< 2	264	0.30	81	< 10	62
L5000E,3900N	201 202	605	3	1.81	8	770	10	242	0.40	98	< 10	86
L5000E,3925N	201 202	485	< 1	1.96	6	490	8	283	0.37	90	< 10	58
L5000E,3950N	201 202	490	3	1.96	8	500	6	250	0.34	85	< 10	74
L5000E,3975N	201 202	495	5	1.63	10	470	20	211	0.41	103	< 10	74
L5000E,4000N	201 202	390	2	1.60	8	460	8	185	0.35	77	< 10	62
L5000E,4025N	201 202	300	1	2.27	2	640	< 2	413	0.25	49	< 10	42
L5000E,4050N	201 202	240	2	1.70	3	410	< 2	174	0.28	56	< 10	42
L5000E,4075N	201 202	405	1	1.52	9	340	8	174	0.37	96	< 10	66
L5000E,4100N	201 202	455	3	1.28	13	690	40	116	0.31	69	< 10	82
L5000E,4125N	201 202	430	6	1.24	12	770	40	155	0.32	77	< 10	78
L5000E,4150N	201 202	395	1	1.15	13	680	8	125	0.34	76	< 10	88
L5000E,4175N	201 202	465	5	1.44	13	930	40	210	0.38	97	< 10	98
L5000E,4200N	201 202	900	4	2.10	4	1290	52	366	0.22	49	< 10	64
L5000E,4225N	201 202	595	5	1.31	16	1430	20	178	0.40	92	< 10	86
L5000E,4250N	201 202	1275	4	1.34	9	1560	54	221	0.21	54	< 10	76
L5000E,4275N	201 202	1605	5	0.86	19	3320	64	181	0.21	82	< 10	110
L5000E,4300N	201 202	445	4	0.73	13	350	< 2	102	0.34	109	< 10	70
L5000E,4325N	201 202	1930	4	1.68	10	1120	20	332	0.25	85	< 10	84

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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To: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project : 6408
Comments: ATTN:DAVID TERRY

Certificate Date: 06-SEP-96
Invoice No. :I9629714
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9629714

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)
L5000E,3225N	201 202	< 5	< 0.2	7.49	830	1.5	< 2	1.02	< 0.5	7	17	24	2.33	2.20	0.73
L5000E,3250N	201 202	< 5	< 0.2	9.18	1190	2.5	< 2	0.50	< 0.5	8	24	36	3.06	3.44	0.90
L5000E,3275N	201 202	< 5	< 0.2	8.84	1040	3.0	2	0.23	0.5	8	11	54	2.74	4.26	0.80
L5000E,3300N	201 202	< 5	< 0.2	9.13	1080	3.0	< 2	0.20	< 0.5	9	11	58	2.79	2.76	0.78
L5000E,3325N	201 202	< 5	< 0.2	8.57	970	2.0	2	1.16	< 0.5	6	9	32	2.13	3.04	0.65
L5000E,3350N	201 202	< 5	< 0.2	10.20	1410	3.0	< 2	0.17	< 0.5	9	9	21	3.01	5.26	0.95
L5000E,3375N	201 202	< 5	< 0.2	8.53	1120	2.0	< 2	1.24	< 0.5	11	25	42	3.43	3.47	1.13
L5000E,3400N	201 202	< 5	< 0.2	10.10	1300	3.0	4	0.48	< 0.5	11	24	32	3.79	4.34	1.14
L5000E,3425N	201 202	< 5	0.2	10.85	1640	3.0	2	1.21	< 0.5	23	79	51	5.64	4.74	2.57
L5000E,3450N	201 202	< 5	< 0.2	9.22	1250	3.0	2	0.59	< 0.5	30	96	43	7.40	4.44	2.07
L5000E,3475N	201 202	< 5	1.4	9.93	1470	3.0	2	0.25	1.5	29	72	121	6.83	5.38	1.40
L5000E,3500N	201 202	< 5	< 0.2	8.47	1190	1.5	2	0.61	< 0.5	24	92	550	6.31	3.59	1.07
L5000E,3525N	201 202	< 5	< 0.2	8.51	1230	1.5	6	0.50	< 0.5	11	59	29	3.60	3.26	1.11
L5000E,3550N	201 202	< 5	0.6	10.20	1830	1.5	6	0.08	0.5	9	58	60	5.22	3.56	1.13
L5000E,3575N	201 202	30	0.2	9.68	1300	1.5	14	0.19	0.5	29	57	248	10.50	2.97	0.91
L5000E,3600N	201 202	< 5	< 0.2	7.87	1080	2.0	< 2	1.28	< 0.5	17	43	68	4.44	3.56	2.14
L5000E,3750N	201 202	< 5	< 0.2	8.16	780	1.0	2	2.06	< 0.5	9	11	33	2.61	1.91	0.73
L5000E,3775N	201 202	< 5	< 0.2	8.18	780	1.0	2	2.10	< 0.5	10	9	43	2.71	1.96	0.79
L5000E,3800N	201 202	< 5	< 0.2	8.06	870	1.5	2	1.09	< 0.5	9	30	25	2.96	2.75	0.83
L5000E,3825N	201 202	< 5	< 0.2	8.22	940	1.5	4	1.81	< 0.5	9	20	22	2.58	2.59	0.90
L5000E,3850N	201 202	< 5	< 0.2	8.75	1150	1.5	6	1.23	< 0.5	12	49	31	3.90	3.29	1.25
L5000E,3875N	201 202	< 5	< 0.2	7.30	860	1.0	< 2	0.95	< 0.5	6	32	16	2.20	2.55	0.68
L5000E,3900N	201 202	< 5	< 0.2	8.76	980	1.5	< 2	1.12	< 0.5	10	45	26	3.64	3.14	1.10
L5000E,3925N	201 202	< 5	< 0.2	8.03	990	1.5	6	1.26	< 0.5	8	41	12	2.71	2.85	1.07
L5000E,3950N	201 202	< 5	< 0.2	8.77	1000	1.5	2	0.98	< 0.5	9	36	18	3.22	3.47	1.11
L5000E,3975N	201 202	< 5	< 0.2	9.00	940	1.5	< 2	0.89	< 0.5	9	52	25	4.15	2.92	1.17
L5000E,4000N	201 202	< 5	< 0.2	7.97	900	1.5	< 2	0.75	< 0.5	6	33	15	2.66	2.62	0.82
L5000E,4025N	201 202	< 5	< 0.2	7.30	790	1.0	< 2	1.35	< 0.5	4	16	16	1.60	1.98	0.51
L5000E,4050N	201 202	< 5	< 0.2	7.40	950	1.5	< 2	0.56	< 0.5	4	22	9	1.55	2.75	0.55
L5000E,4075N	201 202	< 5	< 0.2	8.37	980	1.5	< 2	0.83	< 0.5	8	38	16	2.73	3.29	1.01
L5000E,4100N	201 202	< 5	< 0.2	7.71	1040	1.5	< 2	0.44	< 0.5	8	42	28	3.20	2.99	0.87
L5000E,4125N	201 202	< 5	< 0.2	7.67	1000	1.5	< 2	0.61	< 0.5	6	42	20	3.00	2.54	0.79
L5000E,4150N	201 202	< 5	< 0.2	7.84	1250	1.5	< 2	0.66	0.5	7	51	20	2.33	2.93	0.77
L5000E,4175N	201 202	< 5	< 0.2	7.84	1160	2.0	< 2	0.86	< 0.5	9	47	38	2.70	2.98	0.74
L5000E,4200N	201 202	< 5	< 0.2	7.40	900	1.5	2	1.27	< 0.5	7	24	25	2.03	2.46	0.53
L5000E,4225N	201 202	< 5	< 0.2	7.02	1030	1.5	< 2	0.90	< 0.5	8	58	31	2.55	2.37	0.75
L5000E,4250N	201 202	< 5	< 0.2	7.10	1360	1.5	< 2	1.07	< 0.5	12	27	31	3.17	2.28	0.62
L5000E,4275N	201 202	< 5	< 0.2	7.11	1480	2.5	8	1.05	< 0.5	15	62	87	4.12	1.87	0.83
L5000E,4300N	201 202	< 5	< 0.2	9.02	3920	2.5	6	0.37	< 0.5	4	80	16	3.42	3.65	1.17
L5000E,4325N	201 202	< 5	< 0.2	8.08	1830	1.5	6	1.39	< 0.5	9	29	23	1.99	3.05	0.92

CERTIFICATION: Hoult Bichler

Chemex Labs Ltd.

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

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

Project : TY
Comments: ATTN: DAVID TERRY

Page Number : 8-B
Total Pages : 8
Certificate Date: 20-AUG-96
Invoice No. : I9627301
P.O. Number :
Account : GP W

CERTIFICATE OF ANALYSIS A9627301

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)			
TY 6400E 4450N	201	202	475	15	0.63	17	1450	516	167	0.27	259	< 10	144			
TY 6400E 4475N	201	202	320	12	0.81	8	1050	176	130	0.29	153	< 10	76			
TY 6400E 4500N	201	202	395	7	1.50	8	1090	46	264	0.35	91	< 10	52			
TY 6400E 4525N	201	202	390	9	1.12	10	1040	80	191	0.31	121	< 10	66			

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

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CERTIFICATE OF ANALYSIS A9627301

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)
[redacted]	201 202	< 5	1.4	8.62	1670	1.5	4	0.42	< 0.5	7	104	121	3.66	2.53	1.28
	201 202	< 5	< 0.2	7.59	1270	1.0	6	0.50	< 0.5	6	64	44	3.27	2.57	1.01
	201 202	< 5	0.6	8.13	1470	1.5	< 2	0.85	< 0.5	5	46	39	3.33	3.04	0.98
	201 202	< 5	< 0.2	7.14	1270	1.0	< 2	0.98	< 0.5	7	63	47	3.11	2.30	1.01

CERTIFICATION: Stuart Buchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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CERTIFICATE OF ANALYSIS A9627301

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)			
TY 6000E 4175N	201	202	435	11	1.13	28	1000	14	306	0.22	162	< 10	98			
TY 6000E 4200N	201	202	305	3	2.20	2	630	8	359	0.26	65	< 10	52			
TY 6000E 4225N	201	202	305	3	1.73	7	1320	20	336	0.22	96	< 10	56			
TY 6000E 4250N	201	202	325	8	0.90	12	1190	30	129	0.27	158	< 10	76			
TY 6000E 4275N	201	202	695	9	1.13	8	1100	46	148	0.22	103	< 10	132			
TY 6000E 4300N	201	202	215	77	0.56	4	950	32	92	0.10	154	< 10	104			
[redacted]	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
	201	202	6570	4	1.71	20	1340	50	344	0.23	68	< 10	62			
	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
	201	202	1465	5	1.19	18	1110	24	171	0.31	151	< 10	84			
	201	202	585	3	1.15	20	1420	24	140	0.35	129	< 10	86			
	201	202	370	1	1.41	10	1070	12	219	0.26	78	< 10	50			
	201	202	595	3	1.23	19	1080	20	150	0.40	118	< 10	72			
	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
TY 6400E 3800N	201	202	1000	10	0.75	27	1360	76	83	0.56	156	< 10	126			
TY 6400E 3825N	201	202	2060	7	0.84	50	1730	58	75	0.76	166	< 10	130			
TY 6400E 3850N	201	202	615	7	1.11	14	950	84	207	0.28	122	< 10	152			
TY 6400E 3875N	201	202	405	12	0.96	8	550	34	80	0.36	134	< 10	80			
TY 6400E 3900N	201	202	500	15	0.78	17	880	36	64	0.33	126	< 10	102			
TY 6400E 3925N	201	202	375	13	0.73	12	830	28	70	0.32	113	< 10	94			
TY 6400E 3950N	201	202	315	13	0.82	10	750	26	73	0.34	122	< 10	90			
TY 6400E 3975N	201	202	415	7	1.27	9	800	18	187	0.40	110	< 10	70			
TY 6400E 4000N	201	202	220	6	1.76	3	680	6	126	0.35	86	< 10	48			
TY 6400E 4025N	201	202	280	9	1.05	7	650	16	80	0.37	118	< 10	76			
TY 6400E 4050N	201	202	570	7	1.28	18	1170	36	116	0.31	113	< 10	112			
TY 6400E 4075N	201	202	300	13	1.13	7	920	38	118	0.29	92	< 10	78			
TY 6400E 4100N	201	202	350	10	1.01	8	940	28	104	0.27	106	< 10	108			
TY 6400E 4125N	201	202	320	11	0.91	10	730	12	103	0.36	140	< 10	80			
TY 6400E 4150N	201	202	235	9	0.90	6	480	10	92	0.32	105	< 10	70			
TY 6400E 4175N	201	202	280	15	1.04	8	1160	86	120	0.30	117	< 10	70			
TY 6400E 4200N	201	202	445	15	1.25	14	580	48	158	0.33	98	< 10	118			
TY 6400E 4225N	201	202	345	10	0.95	12	650	22	83	0.38	133	< 10	72			
TY 6400E 4250N	201	202	360	10	1.31	13	630	12	120	0.40	126	< 10	66			
TY 6400E 4275N	201	202	270	41	0.62	5	940	46	65	0.21	135	< 10	94			
TY 6400E 4300N	201	202	500	17	0.94	10	760	90	102	0.30	135	< 10	128			
TY 6400E 4325N	201	202	1160	9	0.91	26	1150	88	92	0.36	142	< 10	162			
TY 6400E 4350N	201	202	935	17	1.22	24	1070	72	176	0.27	134	< 10	136			
TY 6400E 4375N	201	202	1155	29	0.24	8	1290	88	35	0.32	51	< 10	56			
TY 6400E 4400N	201	202	555	6	0.66	24	1060	40	160	0.23	196	< 10	108			
TY 6400E 4425N	201	202	660	11	0.91	16	1000	832	159	0.31	173	< 10	182			

CERTIFICATION: Ian Bichler

Chemex Labs Ltd.

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

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

Project : TY
Comments: ATTN: DAVID TERRY

Certificate Date: 20-AUG-96
Invoice No. : I9627301
P.O. Number :
Account : GP W

CERTIFICATE OF ANALYSIS A9627301

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)
TY 6000E 4175N	201	202	< 5	< 0.2	6.15	1250	1.0	2	0.59	< 0.5	13	44	119	3.61	2.01	0.46
TY 6000E 4200N	201	202	< 5	< 0.2	7.35	850	1.0	< 2	1.08	< 0.5	6	13	61	1.66	1.99	0.49
TY 6000E 4225N	201	202	< 5	0.6	7.86	1160	1.5	< 2	1.03	< 0.5	6	35	125	1.67	2.43	0.58
TY 6000E 4250N	201	202	< 5	< 0.2	7.94	1330	1.5	< 2	0.29	< 0.5	7	54	111	2.66	2.73	0.58
TY 6000E 4275N	201	202	< 5	< 0.2	8.28	1260	1.5	< 2	0.38	< 0.5	6	32	57	3.02	2.39	0.68
TY 6000E 4300N	201	202	< 5	< 0.2	10.95	1330	1.0	< 2	0.12	< 0.5	6	19	652	2.45	3.13	0.66
[redacted]	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
	201	202	< 5	0.4	6.39	1310	0.5	2	1.40	< 0.5	33	43	43	2.63	1.82	0.86
	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
	201	202	< 5	< 0.2	7.33	1390	1.5	< 2	0.82	< 0.5	15	61	46	4.11	2.58	1.25
	201	202	< 5	0.8	7.74	1470	1.5	< 2	0.76	< 0.5	9	68	34	3.81	2.65	1.45
	201	202	< 5	0.6	6.44	1110	1.0	2	0.84	< 0.5	6	42	22	2.14	2.17	0.88
	201	202	< 5	0.6	7.22	1280	1.5	< 2	0.90	< 0.5	8	68	24	3.46	2.63	1.38
	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 6400E 3800N	201	202	< 5	< 0.2	8.66	2100	1.5	4	0.37	< 0.5	12	72	174	5.74	3.12	1.58
TY 6400E 3825N	201	202	< 5	0.6	6.93	1460	1.0	2	0.75	< 0.5	18	98	102	5.90	2.06	2.12
TY 6400E 3850N	201	202	< 5	< 0.2	10.15	2210	2.0	2	0.82	< 0.5	8	50	84	4.73	3.75	1.29
TY 6400E 3875N	201	202	< 5	< 0.2	8.09	1190	1.0	< 2	0.32	< 0.5	7	48	58	3.54	2.28	0.78
TY 6400E 3900N	201	202	< 5	< 0.2	8.17	1300	1.0	< 2	0.22	< 0.5	8	65	152	5.92	2.46	0.96
TY 6400E 3925N	201	202	< 5	0.2	8.51	1780	1.5	< 2	0.20	< 0.5	7	50	216	6.24	2.70	0.91
TY 6400E 3950N	201	202	< 5	0.4	8.70	2000	1.5	< 2	0.20	< 0.5	7	43	83	5.27	3.04	0.92
TY 6400E 3975N	201	202	< 5	< 0.2	7.59	1310	1.0	2	0.72	< 0.5	7	43	47	3.24	2.34	0.87
TY 6400E 4000N	201	202	< 5	< 0.2	8.87	2450	2.0	< 2	0.29	< 0.5	6	28	73	2.64	3.03	0.77
TY 6400E 4025N	201	202	< 5	< 0.2	7.98	1630	1.5	2	0.24	< 0.5	7	42	73	2.76	2.71	0.70
TY 6400E 4050N	201	202	< 5	< 0.2	7.48	1510	1.5	< 2	0.29	< 0.5	9	37	71	3.90	2.56	0.84
TY 6400E 4075N	201	202	< 5	0.4	8.31	1610	1.5	< 2	0.38	< 0.5	7	36	140	3.97	2.58	0.86
TY 6400E 4100N	201	202	< 5	0.8	9.12	1910	1.5	< 2	0.28	< 0.5	7	36	125	4.35	3.04	0.93
TY 6400E 4125N	201	202	< 5	0.2	8.77	1670	1.5	< 2	0.43	< 0.5	9	54	134	4.05	2.54	0.93
TY 6400E 4150N	201	202	< 5	0.2	8.82	2180	2.0	< 2	0.26	< 0.5	5	37	71	2.63	2.93	0.91
TY 6400E 4175N	201	202	< 5	0.6	7.71	1540	1.0	< 2	0.37	< 0.5	6	48	153	4.92	2.53	0.81
TY 6400E 4200N	201	202	< 5	0.8	8.14	1270	1.5	2	0.50	< 0.5	11	49	146	4.47	2.51	0.91
TY 6400E 4225N	201	202	< 5	< 0.2	7.54	1280	1.5	2	0.25	< 0.5	7	47	56	3.13	2.33	0.73
TY 6400E 4250N	201	202	< 5	< 0.2	7.31	1130	1.0	< 2	0.32	< 0.5	8	35	43	2.57	2.14	0.58
TY 6400E 4275N	201	202	40	< 0.2	8.61	1040	0.5	4	0.15	< 0.5	5	35	189	4.80	2.72	0.78
TY 6400E 4300N	201	202	5	< 0.2	8.85	1290	1.5	< 2	0.33	< 0.5	8	63	170	5.37	2.85	1.15
TY 6400E 4325N	201	202	< 5	< 0.2	8.05	1440	1.5	< 2	0.48	< 0.5	17	77	182	5.85	2.82	1.30
TY 6400E 4350N	201	202	5	< 0.2	8.45	1300	1.5	< 2	1.11	< 0.5	17	77	244	5.57	2.64	1.60
TY 6400E 4375N	201	202	< 5	< 0.2	9.61	2420	2.5	< 2	0.14	< 0.5	13	13	49	4.17	5.30	1.55
TY 6400E 4400N	201	202	< 5	< 0.2	7.43	1420	1.0	< 2	0.44	< 0.5	7	115	78	3.73	2.46	1.32
TY 6400E 4425N	201	202	< 5	3.0	8.19	1820	1.0	14	0.47	< 0.5	6	86	58	3.63	2.54	1.95

CERTIFICATION: Ian Bucklen

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TY 5800E 4075N	201	202	755	3	1.25	3	430	56	60	0.15	33	< 10	114
TY 5800E 4100N	201	202	330	5	1.51	2	480	160	64	0.15	33	< 10	190
TY 5800E 4125N	201	202	315	6	1.61	4	440	14	250	0.25	72	< 10	64
TY 5800E 4150N	201	202	440	8	0.74	7	820	372	171	0.32	98	< 10	294
TY 5800E 4175N	201	202	700	4	0.43	26	730	46	48	0.49	133	< 10	78
TY 5800E 4200N	201	202	565	6	0.49	3	1350	300	240	0.26	67	< 10	138
TY 5800E 4225N	201	202	565	12	0.35	9	1280	112	173	0.32	248	< 10	558
TY 5800E 4250N	201	202	1045	5	0.69	3	870	304	148	0.29	172	< 10	318
TY 5800E 4275N	201	202	995	15	0.43	8	1090	150	123	0.32	163	< 10	324
TY 5800E 4300N	201	202	760	12	0.47	10	280	104	56	0.46	237	< 10	220
TY 5800E 4325N	201	202	615	21	0.44	22	860	70	81	0.30	126	< 10	170
TY 5800E 4350N	201	202	1105	5	1.14	29	1050	48	221	0.38	103	< 10	188
TY 5800E 4375N	201	202	1405	4	1.05	15	970	44	152	0.29	81	< 10	158
TY 5800E 4400N	201	202	1690	4	1.01	49	860	48	133	0.47	125	< 10	110
TY 5800E 4425N	201	202	655	2	1.37	18	600	24	182	0.44	124	< 10	74
TY 5800E 4450N	201	202	525	4	1.75	13	570	12	252	0.35	99	< 10	68
[redacted]	201	202	430	2	1.54	4	580	4	242	0.38	86	< 10	50
	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
	201	202	290	5	0.97	7	500	36	83	0.32	93	< 10	58
	201	202	300	5	0.88	8	510	42	73	0.30	93	< 10	70
	201	202	510	3	1.16	16	630	26	192	0.37	88	< 10	74
	201	202	450	4	0.97	12	620	38	115	0.31	94	< 10	82
	201	202	455	5	0.96	11	640	36	112	0.29	86	< 10	80
	201	202	550	3	1.02	14	750	46	113	0.29	85	< 10	84
	201	202	380	3	1.07	11	420	24	135	0.32	103	< 10	58
	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
	201	202	415	5	0.99	9	500	20	114	0.37	107	< 10	62
	201	202	325	3	1.72	5	970	14	304	0.28	64	< 10	42
	201	202	1470	3	1.07	20	1170	50	125	0.41	104	< 10	114
TY 6000E 390[redacted]	201	202	280	2	1.68	3	850	28	270	0.24	48	< 10	54
TY 6000E 3925N	201	202	245	1	0.98	1	450	42	47	0.21	31	< 10	86
TY 6000E 3950N	201	202	285	3	1.24	< 1	490	16	78	0.23	41	< 10	74
TY 6000E 3975N	201	202	270	5	1.81	2	610	116	109	0.16	36	< 10	124
TY 6000E 4000N	201	202	405	3	1.22	1	1000	86	87	0.16	41	< 10	146
TY 6000E 4025N	201	202	245	3	1.24	1	600	164	113	0.16	32	< 10	68
TY 6000E 4050N	201	202	365	3	1.38	1	360	28	72	0.21	43	< 10	130
TY 6000E 4075N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 6000E 4100N	201	202	450	5	1.27	3	810	36	75	0.24	59	< 10	108
TY 6000E 4125N	201	202	360	3	2.02	< 1	990	96	357	0.17	38	< 10	66
TY 6000E 4150N	--	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: Hunt 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 : TY
Comments: ATTN: DAVID TERRY

Page Number :6-A
Total Pages :8
Certificate Date: 20-AUG-96
Invoice No. :I9627301
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9627301

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)
TY 5800E 4075N	201	202	< 5	< 0.2	10.35	1180	3.5	< 2	0.14	< 0.5	10	7	16	2.42	4.83	0.97
TY 5800E 4100N	201	202	< 5	< 0.2	9.51	990	2.5	< 2	0.10	< 0.5	6	10	23	2.44	3.70	0.78
TY 5800E 4125N	201	202	< 5	< 0.2	8.54	1140	1.5	< 2	0.87	< 0.5	7	19	37	2.67	2.81	0.81
TY 5800E 4150N	201	202	< 5	0.4	8.95	2500	2.0	2	0.61	< 0.5	9	50	123	4.99	3.81	1.20
TY 5800E 4175N	201	202	< 5	< 0.2	11.25	2710	3.0	< 2	0.08	< 0.5	12	74	47	5.55	3.90	1.55
TY 5800E 4200N	201	202	< 5	1.0	11.20	2940	2.5	2	0.04	< 0.5	8	16	53	6.96	5.71	1.31
TY 5800E 4225N	201	202	< 5	0.4	10.95	2200	2.0	2	0.04	< 0.5	7	54	154	6.53	3.95	0.86
TY 5800E 4250N	201	202	< 5	1.0	9.59	1780	1.5	2	0.38	< 0.5	4	67	44	4.93	3.70	1.72
TY 5800E 4275N	201	202	< 5	< 0.2	10.10	2330	2.0	4	0.14	< 0.5	7	47	115	5.41	4.11	1.31
TY 5800E 4300N	201	202	150	0.6	11.70	2640	2.5	4	0.14	< 0.5	2	138	15	3.89	4.70	2.79
TY 5800E 4325N	201	202	< 5	0.8	7.34	1770	0.5	4	0.68	< 0.5	12	104	420	8.45	2.77	2.05
TY 5800E 4350N	201	202	< 5	< 0.2	7.26	1080	1.5	< 2	1.43	0.5	19	75	82	4.65	2.83	1.72
TY 5800E 4375N	201	202	< 5	< 0.2	6.70	1000	1.5	2	0.85	< 0.5	16	53	44	3.55	2.98	1.30
TY 5800E 4400N	201	202	< 5	< 0.2	7.52	970	1.5	< 2	0.74	< 0.5	28	100	71	5.79	2.54	1.77
TY 5800E 4425N	201	202	< 5	< 0.2	7.96	1100	1.5	< 2	0.81	< 0.5	10	64	29	4.27	2.80	1.21
TY 5800E 4450N	201	202	< 5	0.6	7.60	910	1.0	2	0.92	< 0.5	9	43	24	3.01	2.25	1.00
TY 5800E 4475N	201	202	< 5	< 0.2	7.30	930	1.0	< 2	1.16	< 0.5	5	39	10	2.04	2.19	0.94
[redacted]	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
	201	202	< 5	< 0.2	7.99	1670	1.5	< 2	0.27	< 0.5	5	31	19	2.72	3.06	0.93
	201	202	< 5	< 0.2	7.78	1810	1.5	< 2	0.22	< 0.5	5	32	20	2.89	3.15	1.03
	201	202	< 5	< 0.2	7.57	1060	1.5	< 2	0.73	< 0.5	10	42	35	2.95	2.69	0.93
	201	202	< 5	< 0.2	7.02	1150	1.5	2	0.50	< 0.5	9	44	28	3.66	2.64	1.01
	201	202	< 5	< 0.2	6.84	1180	1.5	< 2	0.45	< 0.5	8	38	30	3.63	2.73	1.00
	201	202	< 5	< 0.2	7.12	1290	1.5	2	0.50	< 0.5	10	37	36	3.41	2.99	1.03
	201	202	< 5	< 0.2	6.90	1100	1.5	< 2	0.54	< 0.5	6	44	16	2.56	2.52	0.79
	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
	201	202	< 5	< 0.2	6.64	1250	1.0	< 2	0.45	< 0.5	6	44	17	2.82	2.22	0.82
	201	202	< 5	1.0	6.39	900	0.5	< 2	1.09	< 0.5	5	29	20	1.80	1.84	0.59
	201	202	< 5	0.4	7.49	1380	1.5	2	0.68	< 0.5	17	62	44	4.22	2.67	1.22
TY 6000E 3900N	201	202	< 5	< 0.2	7.06	1020	1.5	< 2	0.89	< 0.5	5	18	20	1.86	2.42	0.59
TY 6000E 3925N	201	202	< 5	< 0.2	8.98	1090	2.5	< 2	0.09	< 0.5	5	12	37	2.45	3.87	0.58
TY 6000E 3950N	201	202	< 5	< 0.2	7.96	1090	2.0	< 2	0.15	< 0.5	5	17	11	1.67	2.53	0.60
TY 6000E 3975N	201	202	< 5	0.4	9.08	1250	1.5	2	0.05	< 0.5	5	10	54	3.54	3.55	0.45
TY 6000E 4000N	201	202	< 5	0.8	7.67	830	2.0	< 2	0.20	1.0	5	15	25	2.47	2.96	0.56
TY 6000E 4025N	201	202	< 5	0.4	7.79	1000	1.5	< 2	0.22	< 0.5	4	6	8	1.86	3.21	0.48
TY 6000E 4050N	201	202	< 5	< 0.2	8.97	970	2.0	< 2	0.09	< 0.5	5	14	21	2.47	3.63	0.71
TY 6000E 4075N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 6000E 4100N	201	202	< 5	< 0.2	9.16	1310	2.5	< 2	0.16	< 0.5	7	20	30	3.13	3.74	0.84
TY 6000E 4125N	201	202	< 5	0.4	7.65	920	1.5	< 2	1.16	< 0.5	6	14	38	2.05	2.14	0.55
TY 6000E 4150N	--	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Project : TY
Comments: ATTN: DAVID TERRY

Certificate Date: 20-AUG-96
Invoice No. : I9627301
P.O. Number :
Account : GP W

CERTIFICATE OF ANALYSIS A9627301

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)
TY 5600E 4250N	201 202	375	1	1.70	6	670	10	203	0.41	94	< 10	52
TY 5600E 4275N	201 202	2050	11	1.34	19	1610	36	283	0.23	81	< 10	390
TY 5600E 4300N	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5600E 4325N	201 202	305	< 1	1.96	4	830	10	272	0.30	65	< 10	42
TY 5600E 4350N	201 202	315	1	2.23	3	350	6	358	0.27	54	< 10	44
TY 5600E 4375N	201 202	965	3	1.27	5	2180	14	389	0.16	36	< 10	38
TY 5600E 4400N	201 202	405	2	1.63	8	600	10	277	0.31	76	< 10	54
TY 5600E 4425N	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
[redacted]	201 202	350	1	2.76	1	420	8	517	0.19	33	< 10	46
	201 202	420	1	1.61	10	720	12	282	0.41	73	< 10	54
	201 202	360	2	2.62	3	690	10	513	0.23	39	< 10	50
	201 202	240	1	1.64	3	450	4	210	0.39	67	< 10	38
	201 202	745	4	0.83	29	1090	52	98	0.46	110	< 10	102
	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
	201 202	420	4	0.98	10	510	24	119	0.34	92	< 10	66
	201 202	470	4	0.92	16	510	44	116	0.35	105	< 10	86
	201 202	565	5	0.96	15	880	46	135	0.34	112	< 10	82
	201 202	425	3	1.25	12	750	14	165	0.45	100	< 10	48
	201 202	645	2	1.28	18	800	22	145	0.50	119	< 10	72
	201 202	850	3	1.20	28	920	32	155	0.46	115	< 10	84
	201 202	280	4	0.84	7	510	24	49	0.30	85	< 10	58
	201 202	410	4	1.05	14	820	34	133	0.30	98	< 10	68
	201 202	270	5	1.09	9	920	18	106	0.31	108	< 10	44
	201 202	375	5	1.07	17	870	22	111	0.35	113	< 10	62
	201 202	600	3	1.63	11	1240	28	299	0.25	85	< 10	62
	201 202	860	2	1.16	24	1150	38	151	0.35	136	< 10	90
	201 202	380	5	1.11	14	950	18	154	0.26	141	< 10	62
	201 202	505	4	1.17	19	830	30	137	0.34	118	< 10	72
	201 202	525	3	1.44	17	970	32	218	0.30	88	< 10	78
	201 202	1075	4	1.25	25	1040	34	168	0.36	122	< 10	94
	201 202	470	5	1.01	17	930	28	136	0.28	111	< 10	74
	201 202	680	4	1.14	22	980	34	128	0.35	104	< 10	90
TY 5800E 3875N	201 202	405	3	1.35	13	700	40	118	0.28	64	< 10	94
TY 5800E 3900N	201 202	500	1	1.32	8	590	62	100	0.25	56	< 10	88
TY 5800E 3925N	201 202	550	4	1.14	13	650	76	109	0.27	57	< 10	112
TY 5800E 3950N	201 202	470	2	1.30	10	670	74	106	0.25	59	< 10	120
TY 5800E 3975N	201 202	730	2	1.20	26	530	72	93	0.38	89	< 10	120
TY 5800E 4000N	201 202	490	6	2.02	1	450	24	67	0.24	55	< 10	152
TY 5800E 4025N	201 202	265	1	2.16	1	310	4	64	0.27	47	< 10	50
TY 5800E 4050N	201 202	1025	3	1.70	3	460	56	234	0.19	33	< 10	156

CERTIFICATION: Stuart Bichler

Chemex Labs Ltd.

*Analytical Chemists * Geochemists * Registered Assayers*

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

To: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
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Project : TY
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Certificate Date: 20 AUG-96
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CERTIFICATE OF ANALYSIS A9627301

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)
TY 5600E 4250N	201	202	< 5	< 0.2	7.84	1000	1.0	< 2	0.91	< 0.5	5	44	9	2.11	2.38	1.05
TY 5600E 4275N	201	202	< 5	< 0.2	7.40	1160	1.5	2	1.16	1.5	14	44	97	3.92	2.05	0.94
TY 5600E 4300N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5600E 4325N	201	202	< 5	< 0.2	7.22	920	1.0	2	0.98	< 0.5	4	21	10	1.53	2.37	0.63
TY 5600E 4350N	201	202	< 5	< 0.2	7.11	940	1.0	< 2	1.15	< 0.5	5	18	12	1.57	2.34	0.59
TY 5600E 4375N	201	202	< 5	1.2	4.56	630	0.5	< 2	2.28	< 0.5	7	20	27	1.73	1.05	0.55
TY 5600E 4400N	201	202	< 5	< 0.2	7.21	940	1.5	< 2	1.07	< 0.5	6	36	15	2.14	2.23	0.85
TY 5600E 4425N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5600E 4450N	201	202	< 5	< 0.2	7.32	920	1.0	< 2	1.58	< 0.5	6	6	18	1.49	2.17	0.49
[redacted]	201	202	< 5	0.4	6.57	1310	1.0	< 2	1.23	< 0.5	6	37	17	2.17	2.16	0.88
[redacted]	201	202	< 5	< 0.2	6.87	870	1.0	< 2	1.63	< 0.5	6	10	17	1.56	1.99	0.53
	201	202	< 5	< 0.2	6.56	870	0.5	< 2	0.61	< 0.5	4	31	10	1.40	1.87	0.53
	201	202	< 5	< 0.2	7.77	1040	1.5	< 2	0.41	< 0.5	14	61	51	4.94	2.69	1.20
	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
	201	202	< 5	< 0.2	6.66	1100	1.5	2	0.46	< 0.5	8	38	26	2.66	2.67	0.80
	201	202	< 5	< 0.2	7.02	1190	1.5	2	0.73	< 0.5	10	60	37	3.31	2.96	1.24
	201	202	< 5	< 0.2	6.95	1010	1.5	< 2	0.50	< 0.5	9	49	31	3.42	2.43	0.79
	201	202	< 5	< 0.2	6.70	970	1.5	< 2	0.61	< 0.5	7	52	17	2.20	2.25	0.75
	201	202	< 5	< 0.2	7.19	940	1.0	< 2	0.61	< 0.5	12	58	31	4.23	2.33	0.97
	201	202	< 5	< 0.2	7.13	960	1.5	< 2	0.73	< 0.5	13	72	37	4.49	2.39	1.27
	201	202	< 5	< 0.2	8.02	1440	1.5	< 2	0.10	< 0.5	6	24	20	3.82	3.06	0.78
	201	202	< 5	< 0.2	6.33	1140	1.5	< 2	0.58	< 0.5	8	50	34	2.96	2.62	0.92
	201	202	< 5	< 0.2	6.03	1210	1.5	< 2	0.35	< 0.5	4	44	18	1.95	2.40	0.78
	201	202	< 5	< 0.2	6.32	1280	1.5	2	0.44	< 0.5	6	44	27	2.87	2.55	0.96
	201	202	< 5	1.0	7.09	1080	1.5	2	1.10	< 0.5	11	37	29	2.54	2.18	0.72
	201	202	< 5	< 0.2	7.16	1200	1.5	< 2	0.76	< 0.5	18	73	48	4.30	2.73	1.49
	201	202	< 5	< 0.2	7.29	1160	1.5	2	0.54	< 0.5	7	61	26	2.89	2.44	1.15
	201	202	< 5	< 0.2	6.76	1130	1.5	< 2	0.63	< 0.5	9	55	31	3.45	2.53	1.21
	201	202	< 5	< 0.2	6.62	1120	1.0	< 2	0.86	< 0.5	11	42	29	3.10	2.26	1.01
	201	202	< 5	< 0.2	7.54	1380	1.5	2	0.80	< 0.5	24	59	33	4.00	2.85	1.38
[redacted]	201	202	< 5	< 0.2	6.75	1120	1.5	< 2	0.48	< 0.5	7	50	26	3.10	2.47	0.93
	201	202	< 5	< 0.2	7.04	1240	1.5	< 2	0.61	< 0.5	12	55	34	3.82	2.82	1.26
TY 5800E 3875N	201	202	< 5	< 0.2	6.39	1170	1.5	< 2	0.56	< 0.5	7	38	19	2.39	2.71	0.67
TY 5800E 3900N	201	202	< 5	< 0.2	6.95	1490	2.0	2	0.38	< 0.5	8	29	17	2.40	3.19	0.71
TY 5800E 3925N	201	202	< 5	0.6	7.79	1520	2.5	< 2	0.47	< 0.5	8	36	35	2.71	3.48	0.85
TY 5800E 3950N	201	202	< 5	< 0.2	7.03	1230	2.0	< 2	0.51	< 0.5	8	37	22	2.62	3.06	0.76
TY 5800E 3975N	201	202	< 5	< 0.2	9.18	1810	2.5	< 2	0.32	< 0.5	16	64	20	3.63	4.45	1.15
TY 5800E 4000N	201	202	< 5	< 0.2	9.91	1270	3.0	< 2	0.15	< 0.5	7	12	26	3.25	3.81	0.88
TY 5800E 4025N	201	202	< 5	< 0.2	8.91	950	2.0	< 2	0.09	< 0.5	4	18	5	1.65	2.92	0.71
TY 5800E 4050N	201	202	< 5	< 0.2	8.70	900	3.0	2	0.80	< 0.5	7	8	32	2.56	3.37	0.72

CERTIFICATION: Hart Bichler

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CERTIFICATE OF ANALYSIS A9627301

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)
TY 5400E 4375N	201 202	400	4	1.55	7	500	30	227	0.32	79	< 10	62
TY 5400E 4400N	201 202	340	3	1.85	3	480	12	289	0.28	71	< 10	48
TY 5400E 4425N	201 202	205	4	1.43	4	540	4	121	0.36	83	< 10	46
TY 5400E 4450N	201 202	265	3	1.66	6	390	10	248	0.31	80	< 10	64
[redacted]	201 202	315	4	1.39	6	380	18	221	0.35	81	< 10	58
	201 202	280	4	1.47	7	400	38	199	0.29	68	< 10	78
	201 202	285	3	1.75	5	510	10	284	0.27	63	< 10	46
	201 202	385	4	1.14	9	360	24	134	0.33	83	< 10	54
	201 202	440	3	1.10	17	530	20	169	0.43	87	< 10	54
	201 202	295	3	1.26	8	660	14	167	0.31	81	< 10	44
	201 202	435	13	1.15	9	770	62	240	0.29	78	< 10	92
	201 202	755	4	1.26	25	1000	50	279	0.29	89	< 10	114
	201 202	625	3	1.22	19	880	42	262	0.30	90	< 10	90
	201 202	475	5	0.93	21	670	40	131	0.28	114	< 10	88
	201 202	385	5	0.92	19	840	46	118	0.30	98	< 10	88
	201 202	1050	5	0.85	21	790	60	99	0.28	105	< 10	92
	201 202	1155	7	0.84	22	1110	84	118	0.27	105	< 10	102
	201 202	435	4	0.94	16	690	36	107	0.29	98	< 10	78
	201 202	540	4	1.03	15	750	44	118	0.28	98	< 10	78
	201 202	420	2	1.37	11	1070	34	255	0.23	77	< 10	72
	201 202	715	4	0.98	19	930	44	144	0.27	98	< 10	80
	201 202	685	3	1.08	16	910	38	156	0.26	105	< 10	88
	201 202	835	4	0.98	17	1050	36	140	0.29	95	< 10	92
	201 202	690	3	0.80	23	1080	30	148	0.29	79	< 10	94
	201 202	1335	4	0.90	32	1210	50	168	0.33	100	< 10	128
TY 5600E 3900N	201 202	1110	1	0.80	34	1090	42	180	0.28	93	< 10	148
TY 5600E 3925N	201 202	405	1	1.28	9	520	46	119	0.25	52	< 10	80
TY 5600E 3950N	201 202	395	3	1.98	5	680	12	192	0.22	41	< 10	106
TY 5600E 3975N	201 202	440	5	1.61	1	320	14	73	0.24	48	< 10	102
	201 202	330	1	1.39	11	630	24	163	0.24	47	< 10	72
TY 5600E 4000N	201 202	510	3	1.91	3	610	42	237	0.21	42	< 10	116
TY 5600E 4025N	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5600E 4050N	201 202	370	3	2.61	5	680	26	516	0.20	41	< 10	60
TY 5600E 4075N	201 202	570	15	0.77	9	970	390	92	0.31	103	< 10	224
TY 5600E 4100N	201 202	470	7	1.55	5	770	56	155	0.16	46	< 10	114
TY 5600E 4125N	201 202	545	3	1.70	10	560	16	222	0.39	114	< 10	58
TY 5600E 4150N	201 202	485	3	1.24	13	590	16	149	0.38	110	< 10	66
TY 5600E 4175N	201 202	275	2	1.13	9	360	6	123	0.43	112	< 10	40
TY 5600E 4200N	201 202	280	2	1.49	5	300	8	165	0.37	81	< 10	40
TY 5600E 4225N	201 202	315	3	1.71	7	570	10	196	0.37	82	< 10	58

CERTIFICATION: Ian Bichler

Chemex Labs Ltd.

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

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

Project : TY
Comments: ATTN: DAVID TERRY

Page Number : 4-A
Total Pages : 8
Certificate Date: 20-AUG-96
Invoice No. : 19627301
P.O. Number :
Account : GP W

CERTIFICATE OF ANALYSIS A9627301

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)
TY 5400E 4375N	201 202	< 5	< 0.2	7.51	1260	1.5	< 2	0.82	< 0.5	7	23	23	3.03	2.71	0.86
TY 5400E 4400N	201 202	< 5	< 0.2	7.65	1250	1.5	< 2	0.91	< 0.5	4	23	11	1.70	2.67	0.69
TY 5400E 4425N	201 202	< 5	< 0.2	7.62	1460	1.5	6	0.33	< 0.5	4	24	13	1.79	2.65	0.70
[redacted]	201 202	< 5	< 0.2	7.18	1180	1.5	< 2	0.77	< 0.5	6	21	20	1.93	2.56	0.65
	201 202	< 5	< 0.2	6.98	1040	1.0	6	0.75	< 0.5	6	22	17	2.21	2.37	0.73
	201 202	< 5	< 0.2	7.81	1670	1.5	< 2	0.65	< 0.5	6	19	15	2.23	2.91	0.76
	201 202	< 5	< 0.2	7.75	940	1.0	< 2	0.93	< 0.5	4	24	13	1.65	2.44	0.71
	201 202	< 5	< 0.2	6.87	950	1.5	< 2	0.50	< 0.5	6	31	18	2.66	2.49	0.85
	201 202	< 5	< 0.2	7.21	900	1.5	< 2	0.69	< 0.5	7	45	23	2.44	2.27	0.93
	201 202	< 5	< 0.2	7.02	890	1.0	< 2	0.58	< 0.5	4	26	9	1.72	2.16	0.72
	201 202	< 5	0.6	8.19	1350	1.5	< 2	0.83	< 0.5	10	13	42	4.47	3.35	1.01
	201 202	< 5	0.6	8.05	1300	2.0	< 2	1.34	< 0.5	14	46	64	3.66	3.10	1.13
	201 202	< 5	< 0.2	7.66	1300	1.5	< 2	1.26	< 0.5	10	44	50	3.21	2.95	1.08
	201 202	< 5	< 0.2	7.82	1580	2.0	< 2	0.66	< 0.5	9	49	40	3.19	3.53	1.05
	201 202	< 5	< 0.2	6.87	1310	1.5	< 2	0.55	< 0.5	8	43	43	3.08	3.11	0.94
	201 202	< 5	< 0.2	7.17	1410	2.0	< 2	0.45	< 0.5	17	49	46	3.45	3.22	0.97
	201 202	< 5	0.4	7.08	1280	1.5	< 2	0.50	< 0.5	16	49	48	3.88	2.95	0.94
	201 202	< 5	< 0.2	6.85	1320	1.5	< 2	0.49	< 0.5	7	42	34	2.85	3.10	0.91
	201 202	< 5	< 0.2	7.06	1370	1.5	< 2	0.52	< 0.5	9	38	35	3.18	3.15	0.96
	201 202	< 5	0.4	6.93	1130	1.5	< 2	1.03	< 0.5	7	26	29	2.57	2.44	0.84
	201 202	< 5	< 0.2	7.20	1450	2.0	< 2	0.74	< 0.5	9	46	41	3.12	3.13	0.96
	201 202	< 5	0.2	7.61	1470	2.0	< 2	0.76	< 0.5	9	42	26	3.04	3.18	1.02
	201 202	< 5	0.2	6.90	1320	1.5	< 2	0.73	< 0.5	10	42	31	3.20	2.86	0.99
	201 202	< 5	0.2	5.55	1000	1.0	< 2	0.89	< 0.5	8	46	30	2.89	1.93	0.99
	201 202	< 5	0.4	6.78	1250	1.5	2	1.16	< 0.5	16	63	51	4.02	2.50	1.29
	201 202	< 5	0.8	6.54	1230	1.5	< 2	1.35	1.5	15	57	46	3.61	2.41	1.23
TY 5600E 3900N	201 202	< 5	< 0.2	6.54	1060	1.5	< 2	0.44	< 0.5	6	26	18	2.15	2.74	0.57
TY 5600E 3925N	201 202	< 5	0.4	8.28	910	2.0	< 2	0.48	< 0.5	5	7	15	2.11	3.03	0.61
TY 5600E 3950N	201 202	< 5	0.8	9.07	1030	2.5	< 2	0.06	< 0.5	5	8	11	2.50	3.66	0.83
TY 5600E 3975N	201 202	< 5	0.4	6.36	1250	1.5	< 2	0.57	< 0.5	6	23	15	1.95	2.60	0.61
TY 5600E 4000N	201 202	< 5	0.6	8.33	1070	2.0	< 2	0.68	< 0.5	6	8	22	2.69	3.25	0.68
TY 5600E 4025N	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5600E 4050N	201 202	< 5	0.6	7.44	910	1.0	< 2	1.68	< 0.5	6	8	43	1.77	2.15	0.57
TY 5600E 4075N	201 202	< 5	1.4	8.12	1560	1.5	4	0.33	< 0.5	5	43	179	5.50	3.78	1.10
TY 5600E 4100N	201 202	< 5	< 0.2	7.54	1010	2.0	< 2	0.50	< 0.5	6	9	54	2.31	2.93	0.56
TY 5600E 4125N	201 202	< 5	< 0.2	7.83	970	1.5	2	0.82	< 0.5	8	44	17	2.93	2.60	0.94
TY 5600E 4150N	201 202	< 5	< 0.2	7.45	970	1.5	< 2	0.55	< 0.5	8	43	20	3.25	2.58	0.96
TY 5600E 4175N	201 202	< 5	< 0.2	8.79	890	2.0	< 2	0.30	< 0.5	4	60	10	2.06	2.92	0.61
TY 5600E 4200N	201 202	< 5	< 0.2	7.21	920	1.5	< 2	0.55	< 0.5	4	33	7	1.66	2.49	0.69
TY 5600E 4225N	201 202	< 5	< 0.2	7.61	910	1.5	2	0.64	< 0.5	5	32	12	2.09	2.66	0.75

CERTIFICATION: Ian Bickle

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

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

Project : TY
Comments: ATTN: DAVID TERRY

Page Number : 3-B
Total Pages : 8
Certificate Date: 20-AUG-96
Invoice No. : I9627301
P.O. Number :
Account : GP W

CERTIFICATE OF ANALYSIS A9627301

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)
TY 5400E 3375N	201	202	460	2	1.42	9	870	66	175	0.27	63	< 10	94
TY 5400E 3400N	201	202	720	2	1.20	11	1000	80	98	0.30	76	< 10	116
TY 5400E 3425N	201	202	470	< 1	2.08	8	960	36	417	0.37	97	< 10	84
TY 5400E 3450N	201	202	830	4	1.00	12	750	116	114	0.28	87	< 10	158
TY 5400E 3475N	201	202	715	4	1.10	14	700	86	100	0.28	82	< 10	138
TY 5400E 3500N	201	202	760	3	1.45	12	880	74	186	0.32	79	< 10	126
TY 5400E 3525N	201	202	705	2	1.13	12	850	70	124	0.28	68	< 10	146
TY 5400E 3550N	201	202	810	3	1.06	11	880	84	116	0.26	63	< 10	120
TY 5400E 3575N	201	202	515	3	1.26	7	700	50	91	0.26	56	< 10	88
TY 5400E 3600N	201	202	300	3	1.38	4	540	18	109	0.26	54	< 10	78
TY 5400E 3625N	201	202	380	1	1.44	9	680	38	87	0.21	41	< 10	84
TY 5400E 3650N	201	202	765	3	1.59	14	740	62	98	0.29	59	< 10	146
TY 5400E 3675N	201	202	820	4	0.92	22	790	62	76	0.30	94	< 10	150
TY 5400E 3700N	201	202	335	2	1.79	6	690	24	261	0.26	55	< 10	56
TY 5400E 3725N	201	202	390	3	2.43	2	650	10	455	0.21	41	< 10	52
TY 5400E 3750N	201	202	675	3	1.17	14	770	72	138	0.23	62	< 10	124
TY 5400E 3775N	201	202	400	3	2.09	3	460	28	370	0.23	49	< 10	72
TY 5400E 3800N	201	202	410	3	1.81	26	570	64	256	0.24	45	< 10	98
TY 5400E 3825N	201	202	375	3	2.07	6	800	20	222	0.23	46	< 10	84
TY 5400E 3850N	201	202	560	7	0.94	8	690	150	111	0.33	112	< 10	126
TY 5400E 3875N	201	202	395	2	2.23	4	830	22	415	0.22	52	< 10	60
TY 5400E 3900N	201	202	480	4	1.41	12	710	30	145	0.40	99	< 10	68
TY 5400E 3925N	201	202	395	4	1.45	10	390	18	167	0.36	88	< 10	52
TY 5400E 3950N	201	202	1395	10	1.08	19	950	50	186	0.32	102	< 10	308
TY 5400E 3975N	201	202	895	12	1.51	9	1430	28	316	0.23	69	< 10	232
TY 5400E 4000N	201	202	760	8	1.01	32	580	22	137	0.48	126	< 10	148
TY 5400E 4025N	201	202	505	2	1.18	18	490	18	156	0.45	120	< 10	66
TY 5400E 4050N	201	202	435	2	2.22	8	630	4	406	0.37	76	< 10	54
TY 5400E 4075N	201	202	6850	16	0.98	21	2320	42	180	0.28	114	< 10	236
TY 5400E 4100N	201	202	355	4	1.75	6	810	6	282	0.27	76	< 10	48
TY 5400E 4125N	201	202	315	3	1.42	10	950	8	187	0.36	83	< 10	48
TY 5400E 4150N	201	202	400	2	1.73	6	690	8	266	0.51	97	< 10	54
TY 5400E 4175N	201	202	430	3	1.92	7	690	8	290	0.35	82	< 10	58
TY 5400E 4200N	201	202	335	1	1.84	4	640	4	300	0.29	66	< 10	48
TY 5400E 4225N	201	202	335	3	2.02	4	720	14	387	0.25	58	< 10	52
TY 5400E 4250N	201	202	365	3	2.29	3	530	6	436	0.25	58	< 10	52
TY 5400E 4275N	201	202	610	1	1.65	9	830	12	263	0.38	87	< 10	70
TY 5400E 4300N	201	202	300	< 1	1.74	2	560	< 2	197	0.37	82	< 10	40
TY 5400E 4325N	201	202	415	2	1.69	9	570	16	266	0.33	78	< 10	62
TY 5400E 4350N	201	202	305	4	1.66	8	620	< 2	213	0.39	84	< 10	50

CERTIFICATION: Ian Bichler

Chemex Labs Ltd.

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

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

Project : TY
Comments: ATTN: DAVID TERRY

Certificate Date: 20-AUG-96
Invoice No. : I9627301
P.O. Number :
Account : GP W

CERTIFICATE OF ANALYSIS A9627301

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)
TY 5400E 3375N	201 202	< 5	< 0.2	7.54	1090	2.0	< 2	0.57	< 0.5	6	34	19	2.59	3.00	0.78
TY 5400E 3400N	201 202	< 5	< 0.2	8.16	1260	2.0	< 2	0.32	< 0.5	7	46	17	3.09	3.41	0.88
TY 5400E 3425N	201 202	< 5	< 0.2	7.76	930	1.5	< 2	1.60	< 0.5	9	20	24	3.37	2.53	0.96
TY 5400E 3450N	201 202	< 5	0.2	9.34	1430	3.5	< 2	0.55	< 0.5	11	36	27	3.96	4.41	1.25
TY 5400E 3475N	201 202	< 5	< 0.2	9.70	1460	3.5	< 2	0.42	< 0.5	10	33	30	3.89	4.71	1.25
TY 5400E 3500N	201 202	< 5	< 0.2	8.26	1100	2.5	< 2	0.78	< 0.5	11	33	28	3.41	3.50	1.10
TY 5400E 3525N	201 202	< 5	< 0.2	8.36	1450	2.5	< 2	0.53	< 0.5	9	32	22	3.31	3.92	1.10
TY 5400E 3550N	201 202	< 5	0.4	7.69	1420	2.5	< 2	0.49	< 0.5	9	32	26	3.09	3.54	1.00
TY 5400E 3575N	201 202	< 5	< 0.2	7.86	1350	2.5	2	0.27	< 0.5	7	20	16	2.82	3.46	0.87
TY 5400E 3600N	201 202	< 5	0.2	7.73	1110	2.0	< 2	0.30	< 0.5	4	16	10	2.26	3.23	0.72
TY 5400E 3625N	201 202	< 5	< 0.2	6.43	980	1.5	< 2	0.18	< 0.5	6	19	16	2.10	3.12	0.59
TY 5400E 3650N	201 202	< 5	< 0.2	8.68	1250	3.0	2	0.31	< 0.5	9	30	17	3.49	4.48	1.41
TY 5400E 3675N	201 202	< 5	< 0.2	8.56	1230	3.0	< 2	0.45	< 0.5	12	68	23	4.25	4.53	1.75
TY 5400E 3700N	201 202	< 5	< 0.2	6.82	1120	1.5	< 2	0.89	< 0.5	6	18	15	1.97	2.41	0.71
TY 5400E 3725N	201 202	< 5	< 0.2	7.02	800	1.0	< 2	1.47	< 0.5	5	6	21	1.67	2.09	0.58
TY 5400E 3750N	201 202	< 5	< 0.2	9.88	1260	3.5	< 2	0.45	< 0.5	7	40	16	3.54	4.47	1.23
TY 5400E 3775N	201 202	< 5	0.4	7.49	970	1.5	< 2	1.23	< 0.5	6	9	15	2.10	2.55	0.74
TY 5400E 3800N	201 202	< 5	< 0.2	7.29	1310	2.0	< 2	0.86	0.5	7	60	20	2.19	2.74	0.91
TY 5400E 3825N	201 202	< 5	< 0.2	7.97	990	1.5	< 2	0.71	< 0.5	5	18	12	2.02	2.58	0.70
TY 5400E 3850N	201 202	< 5	< 0.2	9.17	1780	2.0	2	0.39	< 0.5	6	43	49	4.42	3.67	1.21
TY 5400E 3875N	201 202	< 5	< 0.2	7.14	940	1.5	< 2	1.34	< 0.5	6	14	22	2.09	2.36	0.72
TY 5400E 3900N	201 202	< 5	0.4	8.15	1060	1.5	< 2	0.51	< 0.5	8	42	21	3.36	2.76	0.98
TY 5400E 3925N	201 202	< 5	< 0.2	7.45	890	1.5	< 2	0.58	< 0.5	6	37	12	3.15	2.29	0.87
TY 5400E 3950N	201 202	< 5	< 0.2	7.59	1240	1.5	< 2	1.06	1.5	17	51	90	4.23	2.84	1.43
TY 5400E 3975N	201 202	< 5	0.4	7.30	1040	1.5	< 2	1.39	< 0.5	9	29	106	3.17	2.31	0.99
TY 5400E 4000N	201 202	< 5	< 0.2	8.18	1260	2.0	< 2	0.79	< 0.5	13	84	49	4.95	3.19	1.58
TY 5400E 4025N	201 202	< 5	< 0.2	7.32	1060	1.5	< 2	0.70	< 0.5	11	60	26	3.55	2.81	1.02
TY 5400E 4050N	201 202	< 5	< 0.2	6.99	840	1.0	2	1.39	< 0.5	8	27	18	2.03	2.06	0.67
TY 5400E 4075N	201 202	< 5	< 0.2	7.61	1420	2.0	< 2	0.75	2.0	28	58	76	4.98	2.23	1.13
TY 5400E 4100N	201 202	< 5	< 0.2	7.19	990	1.0	< 2	1.03	< 0.5	5	28	25	2.04	2.34	0.73
TY 5400E 4125N	201 202	< 5	< 0.2	6.49	960	1.0	< 2	0.65	< 0.5	7	37	21	2.09	2.13	0.60
TY 5400E 4150N	201 202	< 5	< 0.2	8.30	1220	1.5	6	1.05	< 0.5	6	31	16	2.21	2.65	0.88
TY 5400E 4175N	201 202	< 5	< 0.2	7.58	1100	1.5	< 2	1.12	< 0.5	6	32	16	2.43	2.60	0.93
TY 5400E 4200N	201 202	< 5	< 0.2	7.47	930	1.0	< 2	1.10	< 0.5	5	21	12	1.79	2.33	0.71
TY 5400E 4225N	201 202	< 5	0.8	7.38	1050	1.5	< 2	1.35	< 0.5	6	18	15	1.90	2.26	0.74
TY 5400E 4250N	201 202	< 5	0.4	7.54	990	1.0	< 2	1.52	< 0.5	6	16	14	1.88	2.34	0.74
TY 5400E 4275N	201 202	< 5	1.0	7.32	1060	1.5	< 2	1.05	< 0.5	10	33	19	3.57	2.65	1.19
TY 5400E 4300N	201 202	< 5	< 0.2	7.59	970	1.0	< 2	0.75	< 0.5	5	25	7	1.85	2.22	0.81
TY 5400E 4325N	201 202	< 5	< 0.2	7.12	1020	1.5	< 2	0.93	< 0.5	7	33	18	2.56	2.47	0.81
TY 5400E 4350N	201 202	< 5	< 0.2	7.17	1000	1.0	< 2	0.70	< 0.5	6	26	14	2.07	2.23	0.73

CERTIFICATION: Stuart Bichler

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Account :GP W

CERTIFICATE OF ANALYSIS A9627301

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)
TY 5200E 4200N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 4225N	201	202	465	2	2.47	6	680	10	451	0.29	60	< 10	52
TY 5200E 4250N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 4275N	201	202	510	3	1.49	11	840	42	200	0.36	83	< 10	74
TY 5200E 4300N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 4325N	201	202	255	3	1.86	7	580	10	242	0.32	71	< 10	48
TY 5200E 4350N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 4375N	201	202	335	7	0.90	20	500	70	83	0.32	100	< 10	118
TY 5200E 4400N	201	202	260	8	1.25	8	620	32	138	0.27	74	< 10	64
TY 5200E 4425N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 4450N	201	202	290	5	1.30	10	830	68	245	0.29	79	< 10	78
[redacted]	201	202	540	9	0.73	16	1700	130	100	0.28	71	< 10	140
	201	202	630	7	1.07	15	980	86	169	0.30	72	< 10	116
	201	202	705	7	1.01	14	1090	70	236	0.24	67	< 10	108
	201	202	455	5	0.93	9	920	78	207	0.21	75	< 10	86
	201	202	510	4	1.20	10	690	50	216	0.31	84	< 10	104
	201	202	210	3	1.34	6	1260	38	278	0.16	35	< 10	42
	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
	201	202	1515	6	1.55	13	1600	46	233	0.26	86	< 10	70
	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
	201	202	565	3	1.18	15	1520	26	334	0.14	45	< 10	70
	201	202	765	5	1.24	13	1460	38	271	0.21	64	< 10	98
	201	202	270	5	1.53	7	1270	26	210	0.27	81	< 10	50
	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
	201	202	525	7	1.21	22	2100	76	90	0.29	123	< 10	84
	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
	201	202	795	4	0.96	28	1230	62	159	0.30	86	< 10	124
	201	202	845	3	0.85	27	1160	68	136	0.31	96	< 10	138
TY 5400E 3200N	201	202	1130	5	1.16	15	1260	206	81	0.27	62	< 10	154
TY 5400E 3225N	201	202	1370	5	0.67	9	980	144	73	0.37	118	< 10	210
TY 5400E 3250N	201	202	525	3	1.11	8	660	72	73	0.24	53	< 10	104
TY 5400E 3275N	201	202	370	2	1.29	11	460	42	83	0.31	63	< 10	84
TY 5400E 3300N	201	202	390	3	1.26	7	530	44	89	0.24	51	< 10	80
TY 5400E 3325N	201	202	945	6	1.93	12	940	54	332	0.36	107	< 10	174
TY 5400E 3350N	201	202	910	5	1.17	44	890	136	121	0.29	73	< 10	172

CERTIFICATION: Hart Bichler

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

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

Project : TY
Comments: ATTN: DAVID TERRY

Page Number : 2-A
Total Pages : 8
Certificate Date: 20-AUG-96
Invoice No. : I9627301
P.O. Number :
Account : GP W

CERTIFICATE OF ANALYSIS A9627301

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)
TY 5200E 4200N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 4225N	201	202	< 5	< 0.2	7.20	810	0.5	< 2	1.57	< 0.5	7	16	17	2.11	2.15	0.72
TY 5200E 4250N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 4275N	201	202	< 5	< 0.2	7.47	1050	1.0	2	0.84	< 0.5	8	37	21	4.11	2.88	1.36
TY 5200E 4300N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 4325N	201	202	< 5	< 0.2	6.91	1000	1.0	4	0.79	< 0.5	4	28	14	1.78	2.40	0.66
TY 5200E 4350N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 4375N	201	202	< 5	< 0.2	7.50	1610	1.5	< 2	0.28	< 0.5	8	42	49	3.97	3.03	0.88
TY 5200E 4400N	201	202	< 5	< 0.2	7.57	1220	1.5	< 2	0.38	< 0.5	5	24	22	2.28	3.15	0.71
TY 5200E 4425N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
[redacted]	201	202	< 5	< 0.2	8.30	1950	1.5	< 2	0.56	< 0.5	5	28	33	3.21	3.82	0.88
[redacted]	201	202	< 5	1.6	7.36	1490	1.5	4	0.40	< 0.5	12	25	53	4.57	3.31	0.86
[redacted]	201	202	< 5	0.8	6.95	1150	1.5	< 2	0.68	< 0.5	12	32	49	3.80	2.79	0.80
[redacted]	201	202	< 5	1.2	7.28	1210	1.5	< 2	1.19	< 0.5	11	25	42	3.34	3.10	0.87
[redacted]	201	202	< 5	1.4	8.54	1700	2.0	6	0.93	< 0.5	8	31	25	3.09	3.85	0.97
[redacted]	201	202	< 5	0.2	8.27	1410	2.0	10	0.96	< 0.5	10	40	31	3.83	3.79	1.27
[redacted]	201	202	< 5	2.0	5.11	780	0.5	< 2	1.04	< 0.5	4	11	20	1.85	1.58	0.45
[redacted]	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
[redacted]	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
[redacted]	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
[redacted]	201	202	< 5	1.4	7.25	1220	1.5	< 2	0.94	< 0.5	18	37	33	3.28	2.67	0.91
[redacted]	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
[redacted]	201	202	< 5	1.4	4.96	770	0.5	< 2	2.02	< 0.5	8	24	51	2.04	1.53	0.50
[redacted]	201	202	< 5	0.8	5.85	980	1.0	< 2	1.47	< 0.5	11	30	38	2.87	2.10	0.71
[redacted]	201	202	< 5	< 0.2	6.80	980	1.0	< 2	0.69	< 0.5	4	29	17	1.81	2.28	0.64
[redacted]	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
[redacted]	201	202	< 5	< 0.2	6.77	1350	1.5	2	0.30	< 0.5	13	49	40	4.58	2.85	0.75
[redacted]	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
[redacted]	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
[redacted]	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
[redacted]	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
[redacted]	201	202	< 5	< 0.2	5.99	1110	1.5	4	1.02	< 0.5	13	44	44	3.35	2.43	0.97
[redacted]	201	202	< 5	< 0.2	6.47	1160	1.5	< 2	0.85	< 0.5	14	55	45	3.81	2.69	1.07
TY 5400E 3200N	201	202	not/ss	0.6	8.96	1520	3.0	< 2	0.34	< 0.5	12	35	41	3.72	4.13	1.06
TY 5400E 3225N	201	202	< 5	< 0.2	7.52	1200	2.0	< 2	0.48	< 0.5	17	27	43	5.49	4.29	2.10
TY 5400E 3250N	201	202	< 5	< 0.2	7.71	1480	2.0	6	0.20	< 0.5	9	24	28	3.11	3.77	0.87
TY 5400E 3275N	201	202	< 5	< 0.2	7.44	1160	2.0	2	0.29	< 0.5	7	40	15	2.77	3.05	0.80
TY 5400E 3300N	201	202	< 5	< 0.2	6.93	1500	1.5	4	0.17	< 0.5	7	25	17	2.29	3.23	0.63
TY 5400E 3325N	201	202	< 5	< 0.2	8.56	980	2.0	6	1.24	< 0.5	13	36	24	4.36	3.54	1.53
TY 5400E 3350N	201	202	< 5	< 0.2	8.48	1290	2.5	6	0.68	< 0.5	13	120	30	3.84	4.02	1.59

CERTIFICATION:

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TY 5200E 3200N	201	202	705	3	1.04	5	670	68	80	0.21	47	< 10	98
TY 5200E 3225N	201	202	695	4	1.00	10	820	80	79	0.24	66	< 10	114
TY 5200E 3250N	201	202	800	5	0.98	7	520	88	117	0.24	71	< 10	140
TY 5200E 3275N	201	202	495	4	1.66	5	600	52	204	0.22	40	< 10	92
TY 5200E 3300N	201	202	675	5	1.09	11	550	78	94	0.24	52	< 10	148
TY 5200E 3325N	201	202	805	5	1.09	5	660	98	113	0.26	62	< 10	150
TY 5200E 3350N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 3375N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 3400N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 3425N	201	202	775	5	1.47	7	580	56	103	0.24	53	< 10	116
TY 5200E 3450N	201	202	900	4	1.24	5	650	88	119	0.27	60	< 10	130
TY 5200E 3475N	201	202	745	6	1.13	6	600	60	118	0.28	64	< 10	122
TY 5200E 3500N	201	202	625	4	1.08	6	580	54	94	0.26	60	< 10	112
TY 5200E 3525N	201	202	1125	3	1.06	8	840	90	152	0.34	76	< 10	120
TY 5200E 3550N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 3575N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 3600N	201	202	535	2	2.43	4	540	30	462	0.21	44	< 10	72
TY 5200E 3625N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 3650N	201	202	690	7	0.97	14	980	80	141	0.29	133	< 10	174
TY 5200E 3675N	201	202	480	5	1.16	10	760	38	105	0.24	88	< 10	112
TY 5200E 3700N	201	202	665	5	1.63	9	610	54	183	0.30	66	< 10	106
TY 5200E 3725N	201	202	1310	6	1.27	17	1000	106	178	0.34	112	< 10	194
TY 5200E 3750N	201	202	545	7	1.25	12	1040	38	175	0.32	102	< 10	104
TY 5200E 3775N	201	202	420	5	1.68	9	440	22	175	0.33	78	< 10	66
TY 5200E 3800N	201	202	880	< 1	1.27	19	840	52	133	0.32	90	< 10	106
TY 5200E 3825N	201	202	865	10	1.18	13	920	70	225	0.31	97	< 10	262
TY 5200E 3850N	201	202	560	8	1.20	7	1710	46	194	0.29	92	< 10	128
TY 5200E 3875N	201	202	435	3	1.25	8	410	26	159	0.33	97	< 10	58
TY 5200E 3900N	201	202	390	6	1.13	18	470	6	106	0.51	110	< 10	66
TY 5200E 3925N	201	202	415	3	1.60	5	750	18	236	0.30	68	< 10	60
TY 5200E 3950N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 3975N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 4000N	201	202	535	2	1.90	9	470	16	264	0.33	91	< 10	68
TY 5200E 4025N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 4050N	201	202	725	3	1.61	11	760	26	235	0.38	95	< 10	82
TY 5200E 4075N	201	202	860	4	1.51	13	990	34	193	0.35	90	< 10	86
TY 5200E 4100N	201	202	660	4	1.71	11	900	26	247	0.33	79	< 10	70
TY 5200E 4125N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 4150N	201	202	425	1	1.86	6	630	10	253	0.34	71	< 10	48
TY 5200E 4175N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd

CERTIFICATION: Hartt Bichler

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TY 5200E 3200N	201	202	< 5	< 0.2	7.38	1020	2.0	< 2	0.27	< 0.5	7	19	15	2.27	3.57	0.70
TY 5200E 3225N	201	202	< 5	< 0.2	7.55	1050	2.0	< 2	0.34	< 0.5	8	25	22	3.14	3.72	0.97
TY 5200E 3250N	201	202	< 5	< 0.2	10.20	1250	3.5	< 2	0.46	< 0.5	9	22	27	3.83	5.24	1.34
TY 5200E 3275N	201	202	< 5	< 0.2	8.28	950	2.5	< 2	0.59	< 0.5	7	15	23	2.76	3.77	0.77
TY 5200E 3300N	201	202	< 5	< 0.2	9.38	1230	3.0	6	0.25	< 0.5	9	26	37	3.56	4.74	1.10
TY 5200E 3325N	201	202	< 5	< 0.2	8.28	1180	3.0	< 2	0.48	< 0.5	11	16	35	3.68	4.48	1.17
TY 5200E 3350N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 3375N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 3400N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 3425N	201	202	< 5	< 0.2	9.22	1410	3.0	< 2	0.38	< 0.5	10	18	43	3.50	4.65	1.08
TY 5200E 3450N	201	202	< 5	< 0.2	9.39	1410	3.0	< 2	0.49	< 0.5	12	21	48	3.84	5.02	1.25
TY 5200E 3475N	201	202	< 5	< 0.2	9.36	1430	3.0	< 2	0.50	< 0.5	11	22	45	3.84	4.96	1.28
TY 5200E 3500N	201	202	< 5	< 0.2	9.30	1370	3.0	< 2	0.36	< 0.5	9	23	34	3.49	4.83	1.18
TY 5200E 3525N	201	202	< 5	< 0.2	8.57	1800	2.0	2	0.83	< 0.5	17	27	41	4.57	4.88	1.66
TY 5200E 3550N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 3575N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 3600N	201	202	< 5	< 0.2	7.66	1010	1.5	< 2	1.59	< 0.5	7	15	29	2.16	2.69	0.76
TY 5200E 3625N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 3650N	201	202	< 5	< 0.2	8.52	1210	1.5	< 2	0.29	< 0.5	14	53	159	6.08	3.36	0.95
TY 5200E 3675N	201	202	< 5	< 0.2	7.33	1040	1.5	< 2	0.33	< 0.5	8	34	49	3.45	2.98	0.77
TY 5200E 3700N	201	202	< 0	< 0.2	7.52	1130	2.0	2	0.72	< 0.5	11	26	40	3.51	3.40	1.17
TY 5200E 3725N	201	202	< 5	< 0.2	8.54	1370	2.0	6	0.86	< 0.5	24	59	119	5.45	3.87	1.71
TY 5200E 3750N	201	202	< 5	2.0	7.58	1110	1.5	4	0.78	< 0.5	9	48	51	3.85	2.90	1.29
TY 5200E 3775N	201	202	< 5	< 0.2	7.30	880	1.0	< 2	0.62	< 0.5	8	37	16	3.49	2.32	1.17
TY 5200E 3800N	201	202	5	< 0.2	7.89	1150	2.0	< 2	0.57	< 0.5	18	55	39	4.38	3.41	1.50
TY 5200E 3825N	201	202	< 5	< 0.2	8.17	1270	1.5	< 2	1.25	< 0.5	16	52	117	4.07	3.19	1.72
TY 5200E 3850N	201	202	< 5	0.8	7.38	1080	0.5	< 2	0.88	< 0.5	8	44	36	4.08	2.24	1.23
TY 5200E 3875N	201	202	< 5	< 0.2	8.48	1320	1.5	< 2	0.76	< 0.5	7	57	15	3.12	3.20	1.18
TY 5200E 3900N	201	202	< 5	< 0.2	8.35	1590	1.5	< 2	0.57	< 0.5	7	54	17	2.76	3.32	1.18
TY 5200E 3925N	201	202	< 5	< 0.2	7.56	1160	1.5	< 2	0.88	< 0.5	6	34	18	2.46	2.84	0.90
TY 5200E 3950N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 3975N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 4000N	201	202	< 5	< 0.2	7.40	1030	1.0	< 2	1.22	< 0.5	8	37	14	3.22	2.91	1.38
TY 5200E 4025N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 4050N	201	202	< 5	< 0.2	7.76	1140	1.5	< 2	1.13	< 0.5	13	45	28	4.48	3.41	1.82
TY 5200E 4075N	201	202	< 5	< 0.2	7.17	1040	1.5	< 2	0.90	< 0.5	13	48	31	3.93	3.03	1.44
TY 5200E 4100N	201	202	< 5	< 0.2	7.53	1030	1.5	< 2	0.96	< 0.5	10	37	24	3.42	2.87	1.20
TY 5200E 4125N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 4150N	201	202	< 5	< 0.2	7.09	870	1.0	< 2	0.94	< 0.5	4	31	11	1.75	2.47	0.69
TY 5200E 4175N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

A9633265

Comments: ATTN:TERRY TUCKER-VANCOUVER OFFICE

CERTIFICATE A9633265

(GP W) - WESTMIN RESOURCES LTD.

Project: 6408 TY SHIP.#2
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 26-SEP-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	60	Dry, sieve to -80 mesh
202	60	save reject
285	60	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	60	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	60	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	60	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	60	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	60	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	60	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	60	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	60	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	60	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	60	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	60	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	60	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	60	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	60	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	60	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	60	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	60	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	60	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	60	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	60	Pb ppm: 24 element, rock & core	AAS	2	10000
582	60	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	60	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	60	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	60	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	60	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: 6408 TY SHIP.#2
Comments: ATTN:TERRY TUCKER-VANCOUVER OFFICE

QC I : 1 A
Tot Qc g: 1
Date: 26 SEP-96
Invoice #: 19633265
P.O. #:
GP W

QC DATA OF CERTIFICATE A9633265

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)
BL-C	Blnk	1	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
G96-TOT	Std1	1	-----	-----	7.89	1220	1.0	< 2	2.16	0.5	21	102	193	4.96	1.92	1.07
G96-TOT	Std2	1	-----	-----	7.93	1250	1.0	6	2.20	0.5	21	102	191	5.01	1.93	1.08
G96-TOT	Std1	2	-----	-----	7.74	1180	0.5	10	2.08	0.5	19	99	183	4.81	1.87	1.03
CHEMEX MEAN	---	---	-----	-----	7.52	1155	0.5	< 2	2.04	1.0	16	97	177	4.41	1.86	1.03
GEO-96	Std1	1	-----	5.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std2	1	-----	6.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std1	2	-----	5.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	5.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
JL-1	Std1	2	100	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	92	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-G2	Blnk	1	-----	< 0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	< 0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-T3	Blnk	1	-----	-----	0.29	20	< 0.5	2	0.02	< 0.5	< 1	4	< 1	0.05	0.07	0.01
CHEMEX MEAN	---	---	-----	-----	0.24	13	< 0.5	< 2	0.01	< 0.5	< 1	5	2	0.05	0.03	< 0.01
SL-96	Std2	1	900	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	765	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
WC-96	Std1	1	240	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	239	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
TY 1000E:3700N	Dup	1-01	< 5	0.4	5.95	1220	1.5	< 2	1.22	1.0	27	44	248	4.00	2.23	1.29
	Orig	1-01	< 5	0.4	5.82	1290	1.0	6	1.27	1.0	28	39	268	4.00	2.14	1.26
TY 4800E:5000N	Dup	2-01	< 5	1.0	7.12	1150	1.5	10	1.01	< 0.5	12	93	41	4.32	2.63	1.77
	Orig	2-01	< 5	0.6	6.92	1150	1.5	10	1.02	< 0.5	13	89	38	4.22	2.51	1.76

CERTIFICATION: Stan Buchan

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: 6408 TY SHIP.#2
Comments: ATTN:TERRY TUCKER-VANCOUVER OFFICE

QC [illegible]: 1 B
Tot QC [illegible]g: 1
Date: 26-SEP-96
Invoice #: I9633265
P.O. #:
GP W

QC DATA OF CERTIFICATE A9633265

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)			
BL-C	Blnk	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
G96-TOT	Std1	1	1105	11	1.07	24	640	-----	241	0.38	165	20	196			
G96-TOT	Std2	1	1130	10	1.10	25	660	-----	243	0.38	168	10	200			
G96-TOT	Std1	2	1035	10	1.07	25	610	-----	229	0.36	157	10	192			
CHEMEX MEAN	---	---	927	9	1.03	20	648	-----	226	0.35	156	20	186			
GEO-96	Std1	1	-----	-----	-----	-----	-----	134	-----	-----	-----	-----	-----			
GEO-96	Std2	1	-----	-----	-----	-----	-----	144	-----	-----	-----	-----	-----			
GEO-96	Std1	2	-----	-----	-----	-----	-----	134	-----	-----	-----	-----	-----			
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	120	-----	-----	-----	-----	-----			
JL-1	Std1	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
SIO2-G2	Blnk	1	-----	-----	-----	-----	-----	< 2	-----	-----	-----	-----	-----			
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	< 2	-----	-----	-----	-----	-----			
SIO2-T3	Blnk	1	< 5	< 1	< 0.01	< 1	160	-----	141	0.01	4	< 10	< 2			
CHEMEX MEAN	---	---	20	< 1	< 0.01	< 1	207	-----	178	< 0.01	2	< 10	< 2			
SL-96	Std2	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
WC-96	Std1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
TY 1000E:3700N	Dup	1-01	1895	8	1.01	30	930	54	169	0.24	92	< 10	166			
	Orig	1-01	1935	8	0.96	30	970	60	171	0.23	88	< 10	170			
TY 4800E:5000N	Dup	2-01	750	4	1.07	47	1200	50	130	0.53	110	< 10	132			
	Orig	2-01	770	4	0.97	46	1210	46	130	0.53	111	< 10	126			

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 : 6408 TY SHIP.#2
Comments: ATTN:TERRY TUCKER-VANCOUVER OFFICE

Certificate Date: 26-SEP-96
Invoice No. : I9633265
P.O. Number :
Account : GP W

CERTIFICATE OF ANALYSIS A9633265

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)
TY 4800E:5000N	201	202	< 5	0.6	6.92	1150	1.5	10	1.02	< 0.5	13	89	38	4.22	2.51	1.76
TY 9200E:3550N	201	202	< 5	0.2	6.78	1080	1.0	6	0.56	< 0.5	9	46	48	4.78	2.36	0.92
TY 9200E:3600N	201	202	< 5	0.4	6.71	950	1.0	< 2	0.80	< 0.5	9	33	53	2.58	2.00	0.68
TY 9200E:3650N	201	202	< 5	0.8	6.35	1020	1.0	4	0.65	< 0.5	7	35	41	3.50	2.12	0.67
TY 9200E:3700N	201	202	< 5	< 0.2	7.17	1340	1.5	6	0.55	< 0.5	12	50	166	3.92	2.89	1.29
TY 9200E:3750N	201	202	< 5	0.4	6.70	1270	1.5	10	0.46	< 0.5	6	46	131	3.71	2.56	1.16
TY 9200E:3800N	201	202	< 5	0.4	6.83	2110	1.5	4	0.60	< 0.5	6	44	126	3.66	2.73	1.18
TY 9200E:3850N	201	202	< 5	0.4	6.64	1620	1.5	8	0.71	< 0.5	6	38	42	2.59	2.38	0.93
TY 9200E:3900N	201	202	< 5	1.0	5.93	1380	1.0	< 2	0.58	< 0.5	4	34	64	1.80	2.08	0.78
TY 9200E:3950N	201	202	< 5	< 0.2	5.00	990	0.5	2	0.74	< 0.5	6	28	19	2.85	1.75	0.61
TY 9200E:4000N	201	202	< 5	0.2	4.87	840	0.5	2	0.75	< 0.5	6	26	26	2.88	1.77	0.63
TY 9600E:3550N	201	202	< 5	0.2	6.35	1130	1.5	6	1.13	< 0.5	13	40	43	3.14	2.38	1.07
TY 9600E:3600N	201	202	< 5	0.4	7.12	1340	1.5	2	1.91	< 0.5	14	40	50	3.21	2.45	1.21
TY 9600E:3650N	201	202	< 5	0.4	7.54	1340	1.5	2	1.99	< 0.5	16	46	44	3.76	2.43	1.33
TY 9600E:3700N	201	202	< 5	< 0.2	5.46	1130	1.0	2	0.90	< 0.5	9	35	117	2.74	2.03	0.92
TY 9600E:3750N	201	202	< 5	1.0	5.67	910	1.0	2	1.12	< 0.5	7	42	71	2.47	2.02	0.90
TY 9600E:3800N	201	202	< 5	0.6	4.27	690	0.5	< 2	0.94	< 0.5	5	58	38	2.04	1.43	0.55
TY 9600E:3850N	201	202	< 5	0.2	6.30	900	1.0	< 2	1.13	< 0.5	5	34	12	1.82	2.00	0.65
TY 9600E:3900N	201	202	< 5	0.4	5.99	870	0.5	< 2	0.83	< 0.5	6	40	20	2.31	1.86	0.52
TY 9600E:4000N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 9600E:4050N	201	202	< 5	< 0.2	6.23	970	1.5	2	0.89	< 0.5	6	46	20	2.70	2.17	0.78

CERTIFICATION: Ward Bradden

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 : 6408 TY SHIP.#2
Comments: ATTN:TERRY TUCKER-VANCOUVER OFFICE

Certificate Date: 26-SEP-96
Invoice No. : I9633265
P.O. Number :
Account : GP W

CERTIFICATE OF ANALYSIS A9633265

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)
TY 1000E:3700N	201	202	< 5	0.4	5.82	1290	1.0	6	1.27	1.0	28	39	268	4.00	2.14	1.26
TY 1000E:3750N	201	202	< 5	0.6	7.91	1540	1.0	< 2	0.98	< 0.5	9	45	34	6.49	3.01	1.13
TY 1000E:3800N	201	202	< 5	0.4	6.55	870	0.5	< 2	1.00	< 0.5	7	31	61	3.80	2.03	0.66
TY 4600E:4550N	201	202	< 5	0.6	5.00	820	1.0	2	2.32	0.5	6	28	34	1.76	1.40	0.57
TY 4600E:4575N	201	202	< 5	1.6	6.18	820	1.5	< 2	1.80	< 0.5	9	53	61	3.01	1.55	0.75
TY 4600E:4600N	201	202	< 5	0.8	9.37	1260	2.0	< 2	0.98	< 0.5	16	93	65	4.71	3.15	1.09
TY 4600E:4625N	201	202	< 5	1.2	7.54	1110	2.0	2	1.19	< 0.5	11	52	39	3.29	3.06	1.15
TY 4600E:4650N	201	202	< 5	0.4	7.55	1050	1.5	2	1.00	< 0.5	8	42	28	2.79	3.00	1.01
TY 4600E:4675N	201	202	< 5	0.4	8.36	1410	1.5	2	0.78	< 0.5	16	26	38	4.83	2.76	1.71
TY 4600E:4700N	201	202	< 5	0.3	7.52	1210	1.5	< 2	0.67	< 0.5	17	26	68	5.36	2.34	0.82
TY 4600E:4725N	201	202	< 5	1.0	7.92	990	1.5	< 2	1.22	< 0.5	9	20	28	2.49	2.43	0.72
TY 4600E:4750N	201	202	< 5	1.0	7.81	1190	2.0	< 2	0.78	< 0.5	12	54	37	4.26	2.81	1.12
TY 4600E:4775N	201	202	< 5	1.0	6.73	1000	1.5	6	0.88	< 0.5	10	29	28	2.96	2.42	0.83
TY 4600E:4800N	201	202	< 5	0.8	6.98	1050	1.5	2	0.76	< 0.5	9	34	27	3.38	2.49	0.89
TY 4600E:4825N	201	202	< 5	0.6	7.36	1160	1.5	2	0.78	< 0.5	10	33	20	3.22	2.73	0.92
TY 4600E:4850N	201	202	< 5	0.8	7.28	1110	1.5	2	0.67	< 0.5	10	37	22	3.39	2.68	0.94
TY 4600E:4875N	201	202	< 5	0.8	7.95	1170	1.5	2	0.71	< 0.5	12	48	33	3.77	3.00	1.08
TY 4600E:4900N	201	202	< 5	1.4	8.01	1110	1.5	< 2	0.86	< 0.5	17	49	30	3.52	2.77	1.01
TY 4600E:4925N	201	202	< 5	1.0	7.64	1210	1.5	< 2	0.86	< 0.5	10	44	20	3.16	2.70	1.04
TY 4600E:4950N	201	202	< 5	0.8	7.32	1190	1.5	4	0.81	< 0.5	16	58	25	3.84	2.68	1.21
TY 4600E:4975N	201	202	< 5	0.8	7.04	1100	1.5	8	0.84	< 0.5	14	74	35	4.24	2.53	1.43
TY 4600E:5000N	201	202	< 5	0.4	6.01	950	1.0	6	1.12	< 0.5	13	53	43	3.79	2.13	1.34
TY 4800E:4550N	201	202	< 5	0.4	8.57	1250	2.0	6	0.45	< 0.5	15	51	57	4.02	3.21	1.05
TY 4800E:4575N	201	202	< 5	0.4	8.46	1350	2.5	4	0.42	< 0.5	16	51	71	4.48	3.47	1.07
TY 4800E:4600N	201	202	< 5	< 0.2	6.58	1200	2.0	< 2	0.46	< 0.5	11	40	39	2.72	3.48	0.83
TY 4800E:4625N	201	202	< 5	0.2	6.16	1060	1.5	6	0.71	< 0.5	17	46	51	3.37	3.03	0.96
TY 4800E:4650N	201	202	< 5	0.4	7.29	1170	2.0	6	0.74	< 0.5	13	52	43	3.38	3.30	1.15
TY 4800E:4675N	201	202	< 5	< 0.2	7.56	1310	2.0	2	0.73	< 0.5	14	59	46	3.72	3.63	1.25
TY 4800E:4700N	201	202	< 5	0.4	7.70	1340	2.0	4	0.75	< 0.5	13	60	52	3.66	3.55	1.14
TY 4800E:4725N	201	202	< 5	0.6	7.43	1250	2.0	12	0.78	< 0.5	12	59	47	3.55	3.21	1.16
TY 4800E:4750N	201	202	< 5	0.4	7.92	1270	2.0	6	0.97	< 0.5	15	49	42	3.43	3.40	1.11
TY 4800E:4775N	201	202	< 5	0.6	7.60	1270	2.0	< 2	0.79	< 0.5	16	61	42	3.48	3.33	1.21
TY 4800E:4800N	201	202	< 5	0.6	7.64	1330	2.0	6	0.83	< 0.5	14	61	47	3.42	3.31	1.21
TY 4800E:4825N	201	202	< 5	0.4	7.87	1370	2.0	2	0.76	< 0.5	15	62	41	3.64	3.57	1.22
TY 4800E:4850N	201	202	< 5	0.4	7.34	1260	2.0	4	0.81	< 0.5	13	62	40	3.42	3.32	1.20
TY 4800E:4875N	201	202	< 5	0.2	6.53	1100	1.5	2	0.80	< 0.5	15	46	34	3.09	2.87	0.99
TY 4800E:4900N	201	202	< 5	0.4	6.45	1170	1.5	< 2	0.91	< 0.5	13	48	38	3.91	2.50	1.21
TY 4800E:4925N	201	202	< 5	0.4	7.06	1290	1.5	6	0.96	< 0.5	12	60	33	3.97	2.73	1.39
TY 4800E:4950N	201	202	< 5	0.4	7.23	1190	1.5	8	1.19	< 0.5	17	118	48	5.15	2.55	2.15
TY 4800E:4975N	201	202	< 5	0.4	6.72	850	1.0	2	1.65	< 0.5	25	241	57	5.74	1.75	3.84

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 : 6408 TY SHIP.#2
Comments: ATTN:TERRY TUCKER-VANCOUVER OFFICE

Certificate Date: 26-SEP-96
Invoice No. :19633265
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9633265

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)
TY 1000E:3700N	201	202	1935	8	0.96	30	970	60	171	0.23	88	< 10	170
TY 1000E:3750N	201	202	540	12	1.37	13	970	100	235	0.41	111	10	66
TY 1000E:3800N	201	202	350	14	1.70	6	750	108	212	0.33	108	< 10	48
TY 4600E:4550N	201	202	1175	5	0.85	10	1130	20	378	0.13	47	< 10	46
TY 4600E:4575N	201	202	760	7	0.57	17	1850	40	286	0.14	70	< 10	66
TY 4600E:4600N	201	202	850	9	0.89	32	1070	40	227	0.35	142	< 10	118
TY 4600E:4625N	201	202	555	6	1.10	15	1430	40	219	0.28	86	< 10	86
TY 4600E:4650N	201	202	455	6	1.30	12	890	34	229	0.30	81	< 10	82
TY 4600E:4675N	201	202	705	6	1.58	11	2050	70	181	0.54	91	10	244
TY 4600E:4700N	201	202	685	6	0.89	17	3080	76	448	0.51	98	< 10	282
TY 4600E:4725N	201	202	425	5	2.02	9	940	32	401	0.25	67	< 10	84
TY 4600E:4750N	201	202	715	8	0.85	24	2060	64	195	0.40	118	< 10	134
TY 4600E:4775N	201	202	525	5	1.27	13	1730	46	227	0.31	89	< 10	88
TY 4600E:4800N	201	202	535	6	1.03	13	1890	50	189	0.34	87	< 10	102
TY 4600E:4825N	201	202	690	5	1.20	14	1200	38	191	0.32	84	< 10	92
TY 4600E:4850N	201	202	620	4	1.06	14	1440	56	159	0.36	87	< 10	104
TY 4600E:4875N	201	202	720	5	1.06	18	1190	116	180	0.34	90	< 10	158
TY 4600E:4900N	201	202	1370	6	1.42	21	1170	160	250	0.26	81	< 10	132
TY 4600E:4925N	201	202	720	5	1.38	16	1120	54	219	0.33	85	< 10	100
TY 4600E:4950N	201	202	1135	5	1.16	26	1260	72	175	0.37	98	< 10	116
TY 4600E:4975N	201	202	925	7	0.93	45	1360	76	142	0.45	101	< 10	138
TY 4600E:5000N	201	202	910	3	1.28	35	920	44	207	0.40	81	< 10	102
TY 4800E:4550N	201	202	820	10	0.72	29	1150	74	128	0.24	104	< 10	134
TY 4800E:4575N	201	202	820	11	0.65	28	1160	72	119	0.31	100	< 10	154
TY 4800E:4600N	201	202	525	6	1.01	18	870	76	103	0.27	124	< 10	78
TY 4800E:4625N	201	202	865	6	0.99	20	960	56	139	0.32	87	< 10	98
TY 4800E:4650N	201	202	735	6	1.08	21	900	52	157	0.32	99	< 10	102
TY 4800E:4675N	201	202	725	6	1.07	22	840	52	141	0.33	111	< 10	108
TY 4800E:4700N	201	202	730	6	1.10	23	1040	50	158	0.33	117	< 10	110
TY 4800E:4725N	201	202	675	6	0.87	25	1170	44	147	0.33	107	< 10	114
TY 4800E:4750N	201	202	1015	6	1.50	17	920	56	238	0.32	99	< 10	106
TY 4800E:4775N	201	202	790	6	1.00	22	1160	50	145	0.35	107	< 10	106
TY 4800E:4800N	201	202	785	6	0.98	25	1090	50	146	0.35	107	< 10	104
TY 4800E:4825N	201	202	945	5	1.13	20	940	48	150	0.35	116	< 10	106
TY 4800E:4850N	201	202	785	7	1.00	23	1120	40	141	0.38	106	< 10	102
TY 4800E:4875N	201	202	1090	5	1.21	21	970	44	172	0.31	95	< 10	88
TY 4800E:4900N	201	202	700	6	1.06	23	1750	40	143	0.46	93	< 10	120
TY 4800E:4925N	201	202	775	5	1.17	30	1300	42	158	0.46	107	< 10	122
TY 4800E:4950N	201	202	970	6	1.09	61	1460	56	153	0.60	128	< 10	136
TY 4800E:4975N	201	202	1060	4	0.84	149	1360	36	135	0.93	163	< 10	170

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

Project : 6408 TY SHIP.#2
Comments: ATTN:TERRY TUCKER-VANCOUVER OFFICE

Page Number :2-B
Total Pages :2
Certificate Date: 26-SEP-96
Invoice No. :19633265
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9633265

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)
TY 4800E:5000N	201	202	770	4	0.97	46	1210	46	130	0.53	111	< 10	126
TY 9200E:3550N	201	202	485	8	1.02	14	1360	26	117	0.36	117	< 10	78
TY 9200E:3600N	201	202	340	6	1.72	10	610	20	185	0.38	100	< 10	48
TY 9200E:3650N	201	202	330	7	1.32	7	830	60	143	0.39	121	< 10	56
TY 9200E:3700N	201	202	805	9	0.99	20	740	38	108	0.32	109	< 10	100
TY 9200E:3750N	201	202	475	12	0.82	12	770	48	98	0.27	101	< 10	80
TY 9200E:3800N	201	202	500	10	0.94	12	840	46	112	0.30	101	< 10	80
TY 9200E:3850N	201	202	400	5	1.21	10	560	24	157	0.31	92	< 10	56
TY 9200E:3900N	201	202	320	3	1.00	9	350	20	116	0.27	82	< 10	44
TY 9200E:3950N	201	202	330	3	1.17	7	550	20	147	0.29	73	< 10	42
TY 9200E:4000N	201	202	345	4	1.19	10	560	30	148	0.27	68	< 10	44
TY 9600E:3550N	201	202	765	3	1.30	14	640	26	176	0.31	87	< 10	86
TY 9600E:3600N	201	202	860	4	1.73	12	750	20	266	0.29	94	< 10	92
TY 9600E:3650N	201	202	1155	6	1.79	13	770	18	271	0.29	101	< 10	114
TY 9600E:3700N	201	202	500	6	1.09	10	590	18	150	0.22	69	< 10	68
TY 9600E:3750N	201	202	475	8	1.38	10	590	20	202	0.28	71	< 10	54
TY 9600E:3800N	201	202	360	6	1.20	23	450	24	167	0.25	52	< 10	34
TY 9600E:3850N	201	202	435	3	1.69	7	180	10	216	0.34	81	< 10	40
TY 9600E:3900N	201	202	325	3	1.61	7	590	12	188	0.44	97	< 10	58
TY 9600E:4000N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 9600E:4050N	201	202	375	4	1.38	11	250	32	167	0.36	97	< 10	52

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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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

A9633191

Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

CERTIFICATE A9633191

(GP W) - WESTMIN RESOURCES LTD.

Project: WOLVERINE 6408
P.O. # : 6408

Samples submitted to our lab in Vancouver, BC.
This report was printed on 1-OCT-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	57	Geochem ring to approx 150 mesh
276	57	8-12 Kg crush and split
3202	57	Rock - save entire reject
285	57	ICP - HF digestion charge
287	57	Special dig'n with organic ext'n

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	57	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
13	57	As ppm: HNO3-aqua regia digest	AAS-HYDRIDE/EDL	1	10000
22	57	Sb ppm: HCl-KClO3 digest, extrac	AAS-BKGD CORR	0.2	1000
20	57	Hg ppb: HNO3-HCl digestion	AAS-FLAMELESS	10	100000
578	57	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	57	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	57	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	57	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	57	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	57	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	57	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	57	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	57	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	57	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	57	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	57	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	57	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	57	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	57	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	57	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	57	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	57	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	57	Pb ppm: 24 element, rock & core	AAS	2	10000
582	57	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	57	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	57	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	57	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	57	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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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 : WOLVERINE 6408
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

Page Number : 1-A
Total Pages : 2
Certificate Date: 01-OCT-96
Invoice No. : 19633191
P.O. Number : 6408
Account : GP W

CERTIFICATE OF ANALYSIS A9633191

SAMPLE	PREP CODE		Au ppb FA+AA	As ppm	Sb ppm	Hg ppb	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)
175180	205	276	< 5	6	0.2	40	0.4	6.93	1240	1.5	8	1.98	0.5	9	143	25
175181	205	276	< 5	2	0.6	30	< 0.2	7.34	1410	2.0	6	1.93	0.5	11	137	33
175182	205	276	< 5	1	0.4	20	< 0.2	7.93	1990	2.0	4	2.75	< 0.5	11	130	37
175183	205	276	< 5	1	1.0	60	< 0.2	7.31	2480	1.5	2	2.26	< 0.5	12	57	26
175203	205	276	< 5	2	0.2	20	< 0.2	7.65	600	2.0	4	1.89	< 0.5	10	104	16
175204	205	276	< 5	1	0.2	< 10	< 0.2	7.24	1040	0.5	< 2	3.28	< 0.5	21	195	23
175205	205	276	< 5	1	0.2	10	< 0.2	7.05	1020	0.5	4	2.94	0.5	19	193	29
175206	205	276	< 5	2	0.2	10	< 0.2	5.60	640	0.5	< 2	3.71	0.5	28	676	42
175207	205	276	< 5	1	0.2	20	< 0.2	5.29	170	0.5	< 2	4.39	< 0.5	41	1425	14
175208	205	276	< 5	2	< 0.2	60	< 0.2	6.86	740	0.5	8	3.33	< 0.5	21	288	51
175214	205	276	< 5	1	0.2	30	< 0.2	6.61	670	1.5	2	1.52	< 0.5	11	169	60
175215	205	276	< 5	2	0.2	20	< 0.2	5.83	560	1.0	8	1.14	< 0.5	18	180	97
175216	205	276	< 5	1	0.2	10	< 0.2	6.28	700	1.5	8	1.69	0.5	16	192	131
175232	205	276	< 5	2	0.4	10	< 0.2	6.37	980	1.0	< 2	2.30	0.5	19	167	347
175233	205	276	< 5	1	< 0.2	< 10	< 0.2	7.53	850	0.5	< 2	3.14	< 0.5	19	133	237
175234	205	276	< 5	1	0.2	< 10	< 0.2	7.96	1080	0.5	2	3.15	0.5	19	151	115
175235	205	276	< 5	2	< 0.2	< 10	< 0.2	7.71	1060	0.5	< 2	3.25	< 0.5	20	161	159
175236	205	276	< 5	2	0.2	30	< 0.2	6.88	480	1.0	6	1.88	1.5	20	189	338
175237	205	276	< 5	1	0.4	60	< 0.2	7.16	1080	0.5	< 2	2.57	0.5	25	151	184
175238	205	276	< 5	4	0.2	50	< 0.2	2.20	630	0.5	6	1.28	1.5	8	267	120
175239	205	276	< 5	2	0.2	60	< 0.2	7.11	1640	0.5	4	2.56	0.5	24	134	204
175240	205	276	< 5	4	0.4	10	< 0.2	1.90	940	< 0.5	8	1.88	0.5	9	205	67
175241	205	276	< 5	14	1.2	10	< 0.2	2.25	270	0.5	8	0.84	< 0.5	10	253	144
175242	205	276	< 5	14	0.8	< 10	< 0.2	1.72	240	0.5	8	0.84	< 0.5	8	277	41
175243	205	276	< 5	22	5.8	10	< 0.2	2.00	380	0.5	8	0.77	< 0.5	11	283	63
175244	205	276	< 5	10	2.2	10	< 0.2	0.45	1040	< 0.5	6	1.29	< 0.5	3	356	36
175245	205	276	< 5	12	3.8	50	< 0.2	1.69	670	0.5	6	0.98	< 0.5	7	206	153
175246	205	276	< 5	24	1.4	110	< 0.2	2.77	1450	1.0	12	1.68	1.0	11	352	142
175247	205	276	< 5	64	40	110	< 0.2	2.88	1270	1.0	6	1.45	< 0.5	13	480	129
175248	205	276	< 5	6	4.2	50	< 0.2	4.52	2050	1.5	6	1.88	< 0.5	12	324	144
175249	205	276	< 5	6	1.0	50	< 0.2	4.60	1460	1.5	6	0.64	< 0.5	13	246	79
175250	205	276	< 5	6	1.0	160	0.4	2.12	740	0.5	4	0.90	1.5	7	359	99
175301	205	276	< 5	1	0.6	250	< 0.2	3.15	1550	0.5	6	1.11	< 0.5	8	169	60
175302	205	276	< 5	2	0.4	30	< 0.2	8.00	2460	2.0	2	1.90	< 0.5	15	167	42
175303	205	276	< 5	1	0.2	< 10	< 0.2	7.33	1430	2.0	2	1.79	< 0.5	13	153	16
175304	205	276	< 5	2	0.2	< 10	< 0.2	7.50	6380	2.0	2	1.80	< 0.5	10	64	10
175305	205	276	< 5	2	0.4	10	< 0.2	7.64	4720	2.0	< 2	2.02	< 0.5	12	112	15
175306	205	276	< 5	1	< 0.2	40	< 0.2	8.04	4120	2.0	4	1.85	< 0.5	12	74	8
175307	205	276	< 5	1	< 0.2	30	< 0.2	7.92	5680	2.0	< 2	1.82	< 0.5	10	76	11
175308	205	276	< 5	2	< 0.2	20	< 0.2	8.10	6620	2.0	4	2.20	< 0.5	10	129	11

CERTIFICATION: Stuart Buchler

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

Project : WOLVERINE 6408
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

Page Number :1-B
Total Pages :2
Certificate Date: 01-OCT-96
Invoice No. :19633191
P.O. Number :6408
Account :GP W

CERTIFICATE OF ANALYSIS A9633191

SAMPLE	PREP CODE	Fe % (ICP)	K % (ICP)	Mg % (ICP)	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)
175180	205 276	3.02	2.73	0.80	430	4	1.68	6	350	36	297	0.19	40	< 10	132
175181	205 276	3.07	3.26	1.22	615	4	1.04	6	470	20	252	0.22	51	< 10	120
175182	205 276	2.78	2.59	0.98	570	5	2.23	6	500	18	524	0.24	52	< 10	62
175183	205 276	2.96	3.47	1.05	700	3	0.71	6	470	52	209	0.22	48	< 10	114
175203	205 276	2.33	2.13	1.54	450	3	3.05	9	550	24	212	0.27	70	< 10	66
175204	205 276	4.60	2.37	2.72	950	1	1.30	22	440	12	354	0.27	148	10	90
175205	205 276	4.41	2.26	2.66	785	1	1.44	22	410	16	273	0.26	140	< 10	68
175206	205 276	4.31	1.33	4.86	965	3	1.38	183	650	14	174	0.24	129	10	88
175207	205 276	5.92	0.29	7.94	1445	3	1.11	406	1100	24	117	0.31	158	20	204
175208	205 276	4.42	1.48	2.69	690	3	1.67	36	480	14	276	0.26	153	10	76
175214	205 276	2.96	2.38	1.11	320	3	1.19	14	470	38	212	0.23	56	< 10	76
175215	205 276	4.43	1.84	1.67	415	3	0.53	28	620	12	76	0.31	112	< 10	126
175216	205 276	3.58	2.10	1.61	335	3	0.64	23	500	14	127	0.24	80	< 10	86
175232	205 276	4.02	1.39	2.17	485	29	1.19	21	770	20	199	0.27	154	< 10	88
175233	205 276	4.45	1.43	2.11	730	3	1.61	13	440	12	278	0.27	143	< 10	98
175234	205 276	4.60	1.97	2.17	700	1	1.60	12	460	12	246	0.28	149	10	92
175235	205 276	4.55	1.93	2.12	670	3	1.49	12	420	6	268	0.27	143	10	80
175236	205 276	4.44	2.22	1.99	540	7	0.81	16	960	20	91	0.21	139	< 10	130
175237	205 276	5.36	1.99	2.59	520	3	0.56	19	550	6	122	0.28	175	10	56
175238	205 276	1.59	0.75	1.00	230	5	0.03	59	4230	48	70	0.12	213	< 10	66
175239	205 276	5.19	2.06	2.40	740	< 1	0.25	18	640	6	113	0.27	176	10	98
175240	205 276	1.54	0.55	0.94	245	5	0.03	49	8050	14	125	0.09	177	< 10	28
175241	205 276	2.16	0.70	0.97	240	5	0.03	61	3320	4	53	0.06	185	< 10	36
175242	205 276	1.99	0.59	0.81	215	7	0.02	57	2940	6	50	0.04	222	< 10	26
175243	205 276	2.57	0.64	1.08	230	10	0.03	65	2420	4	61	0.05	218	< 10	34
175244	205 276	0.82	0.15	0.81	245	3	0.01	21	550	2	137	0.01	57	< 10	10
175245	205 276	2.37	0.53	0.56	210	6	0.01	70	2770	4	93	0.05	200	< 10	60
175246	205 276	3.27	0.82	1.71	515	28	0.03	188	5800	10	115	0.10	907	< 10	142
175247	205 276	2.81	0.97	1.59	340	9	0.03	180	3320	6	298	0.09	375	< 10	106
175248	205 276	3.55	1.86	2.61	805	8	0.06	107	1260	6	144	0.30	233	10	100
175249	205 276	3.31	1.95	1.92	435	11	0.05	73	900	6	51	0.24	292	< 10	70
175250	205 276	2.09	0.69	1.37	410	48	0.01	172	2610	12	92	0.11	1480	< 10	136
175301	205 276	2.10	1.34	1.27	300	8	0.05	43	540	4	210	0.13	157	< 10	34
175302	205 276	3.08	2.70	2.16	345	3	2.09	32	590	8	292	0.27	73	< 10	28
175303	205 276	2.77	3.72	1.73	440	1	0.59	9	390	8	141	0.18	46	< 10	34
175304	205 276	2.07	3.64	1.29	390	3	0.96	4	260	14	217	0.15	33	< 10	34
175305	205 276	2.68	3.44	1.46	555	1	0.68	8	430	10	209	0.22	39	< 10	48
175306	205 276	2.83	4.15	1.73	555	4	0.32	6	450	10	159	0.23	40	< 10	52
175307	205 276	2.54	3.20	1.35	350	3	2.18	5	470	8	359	0.24	47	< 10	36
175308	205 276	2.34	3.18	1.51	405	3	2.26	7	470	8	387	0.24	53	< 10	38

CERTIFICATION: Stewart Bradley

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 : WOLVERINE 6408
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

Certificate Date: 01-OCT-96
Invoice No. :19633191
P.O. Number :6408
Account :GP W

CERTIFICATE OF ANALYSIS A9633191

SAMPLE	PREP CODE		Au ppb FA+AA	As ppm	Sb ppm	Hg ppb	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)
175309	205	276	< 5	1	< 0.2	< 10	< 0.2	5.68	4360	1.5	< 2	1.56	< 0.5	9	174	12
175310	205	276	< 5	2	< 0.2	< 10	< 0.2	7.94	5340	2.0	4	2.30	< 0.5	14	86	6
175311	205	276	< 5	1	0.8	30	< 0.2	7.42	3890	1.5	< 2	2.35	0.5	11	78	11
175312	205	276	< 5	1	< 0.2	< 10	< 0.2	7.96	750	0.5	< 2	3.28	< 0.5	23	120	26
175313	205	276	< 5	2	< 0.2	< 10	< 0.2	7.38	930	1.5	< 2	2.81	< 0.5	19	111	33
175314	205	276	< 5	4	< 0.2	70	< 0.2	0.66	< 10	< 0.5	6	1.19	0.5	8	284	61
175315	205	276	< 5	2	< 0.2	40	< 0.2	1.49	210	< 0.5	6	0.41	< 0.5	13	193	21
175316	205	276	< 5	1	< 0.2	< 10	< 0.2	5.96	780	1.0	< 2	1.72	< 0.5	18	147	42
175317	205	276	< 5	2	< 0.2	< 10	< 0.2	0.88	280	< 0.5	4	0.97	< 0.5	4	192	6
175318	205	276	< 5	2	< 0.2	10	< 0.2	1.65	320	< 0.5	4	0.71	< 0.5	14	227	33
175319	205	276	< 5	1	< 0.2	< 10	< 0.2	2.10	430	< 0.5	6	1.18	< 0.5	13	211	35
175320	205	276	< 5	1	< 0.2	50	< 0.2	3.87	210	0.5	2	2.55	0.5	19	206	114
175321	205	276	< 5	2	< 0.2	20	< 0.2	7.86	680	1.5	< 2	2.46	< 0.5	27	206	46
175322	205	276	< 5	1	< 0.2	10	< 0.2	7.62	1180	0.5	4	3.70	< 0.5	19	217	35
175323	205	276	< 5	2	< 0.2	10	< 0.2	7.32	790	0.5	2	3.69	< 0.5	20	142	49
175324	205	276	< 5	1	< 0.2	40	< 0.2	7.34	1030	0.5	6	3.56	0.5	22	151	72
175325	205	276	< 5	2	< 0.2	70	0.4	7.01	920	0.5	< 2	3.80	2.5	21	131	117

CERTIFICATION: Stuart Bickler

Chemex Labs Ltd.

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V7X 1C4

Project : WOLVERINE 6408
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

Page Number :2-B
Total Pages :2
Certificate Date: 01-OCT-96
Invoice No. :19633191
P.O. Number :6408
Account :GP W

CERTIFICATE OF ANALYSIS A9633191

SAMPLE	PREP CODE		Fe % (ICP)	K % (ICP)	Mg % (ICP)	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)
175309	205	276	2.24	2.64	1.53	425	1	0.94	8	360	4	198	0.21	44	< 10	44
175310	205	276	3.27	4.20	1.78	720	2	0.38	6	570	6	343	0.28	67	< 10	64
175311	205	276	2.84	3.47	1.63	740	1	1.58	4	530	48	332	0.25	58	< 10	64
175312	205	276	5.04	1.57	2.73	1275	1	1.68	13	530	14	389	0.30	169	< 10	68
175313	205	276	3.80	1.47	2.22	980	< 1	2.36	14	560	10	274	0.29	113	10	50
175314	205	276	1.86	0.10	0.83	605	5	0.01	8	150	80	21	0.01	15	< 10	80
175315	205	276	1.76	0.43	0.98	535	6	0.03	23	140	22	10	0.08	28	< 10	62
175316	205	276	3.57	1.98	2.29	905	7	0.93	29	330	20	76	0.26	126	< 10	56
175317	205	276	0.76	0.23	0.86	365	1	0.08	11	50	< 2	25	0.03	16	< 10	20
175318	205	276	2.23	0.45	1.06	680	3	0.03	36	200	6	21	0.07	32	< 10	32
175319	205	276	2.68	0.67	1.30	965	6	0.01	39	250	12	26	0.10	36	< 10	72
175320	205	276	4.09	1.24	2.06	2330	4	0.05	27	1580	204	59	0.73	71	10	192
175321	205	276	6.31	3.20	2.69	1425	5	0.34	37	1330	22	127	0.42	113	10	120
175322	205	276	4.66	2.52	2.67	1135	2	0.69	21	440	30	262	0.28	145	10	90
175323	205	276	3.98	1.98	2.27	935	2	1.73	19	420	44	186	0.26	131	10	86
175324	205	276	3.80	1.70	2.27	725	2	1.80	20	440	168	270	0.27	136	< 10	168
175325	205	276	3.40	1.33	2.19	855	< 1	2.28	19	410	440	242	0.26	135	< 10	372

CERTIFICATION: Ian R Bucklee

Chemex Labs Ltd.

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

A9632952

Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

CERTIFICATE A9632952

(GP W) - WESTMIN RESOURCES LTD.

Project: TY
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 30-SEP-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	51	Geochem ring to approx 150 mesh
226	51	0-3 Kg crush and split
3202	51	Rock - save entire reject
285	51	ICP - HF digestion charge
287	51	Special dig'n with organic ext'n

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	51	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
13	51	As ppm: HNO3-aqua regia digest	AAS-HYDRIDE/EDL	1	10000
22	51	Sb ppm: HCl-KClO3 digest, extrac	AAS-BKGD CORR	0.2	1000
20	51	Hg ppb: HNO3-HCl digestion	AAS-FLAMELESS	10	100000
578	51	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	51	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	51	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	51	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	51	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	51	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	51	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	51	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	51	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	51	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	51	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	51	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	51	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	51	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	51	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	51	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	51	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	51	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	51	Pb ppm: 24 element, rock & core	AAS	2	10000
582	51	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	51	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	51	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	51	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	51	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

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VANCOUVER, BC
V7X 1C4

Project: TY
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

QC Pg: 1-A
Tot QC Pg: 1
Date: 28-SEP-96
Invoice #: I9632952
P.O. #: GP W

QC DATA OF CERTIFICATE A9632952

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Au ppb FA+AA	As ppm	Sb ppm	Hg ppb	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)
BL-C	Blnk	1	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
FMC-1	Std2	1	330	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	363	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
G96-TOT	Std1	1	-----	-----	-----	-----	-----	8.33	1280	1.0	6	2.26	0.5	18	116	198
G96-TOT	Std2	1	-----	-----	-----	-----	-----	7.82	1230	1.0	6	2.18	1.0	19	101	193
G96-TOT	Std1	2	-----	-----	-----	-----	-----	8.03	1230	0.5	< 2	2.16	0.5	19	105	194
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	7.52	1155	0.5	< 2	2.04	1.0	16	97	177
GEO-96	Std1	1	-----	60	4.8	190	5.4	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std2	1	-----	58	4.6	160	5.8	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std1	2	-----	60	4.4	180	5.4	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	64	4.5	168	5.5	-----	-----	-----	-----	-----	-----	-----	-----	-----
JL-1	Std1	2	100	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	92	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-3	Blnk	1	-----	-----	-----	< 10	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	19	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-G2	Blnk	1	-----	1	0.2	-----	< 0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	2	< 0.2	-----	< 0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-T3	Blnk	1	-----	-----	-----	-----	-----	0.30	20	< 0.5	< 2	0.01	< 0.5	< 1	< 1	< 1
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	0.24	13	< 0.5	< 2	0.01	< 0.5	< 1	5	2
SL-96	Std1	1	730	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	765	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
175167	Dup	1-01	< 5	4	< 0.2	20	< 0.2	2.60	600	0.5	< 2	1.05	< 0.5	9	241	264
	Orig	1-01	< 5	6	< 0.2	30	< 0.2	2.57	810	< 0.5	2	1.04	< 0.5	9	271	266

CERTIFICATION: Stan Bridle

Chemex Labs Ltd.

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Project: TY
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

QC I... 1-B
Tot QC... 1
Date: 28-SEP-96
Invoice #: I9632952
P.O. #:
GP W

QC DATA OF CERTIFICATE A9632952

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Fe % (ICP)	K % (ICP)	Mg % (ICP)	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)
BL-C	Blnk	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
FMC-1	Std2	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
G96-TOT	Std1	1	5.00	2.02	1.13	1050	10	3.81	24	5330	-----	248	0.37	168	10	202
G96-TOT	Std2	1	5.00	1.92	1.08	1095	10	1.10	23	670	-----	240	0.37	164	10	200
G96-TOT	Std1	2	4.96	1.97	1.08	1085	11	1.16	23	640	-----	240	0.37	161	20	200
CHEMEX MEAN	---	---	4.41	1.86	1.03	927	9	1.03	20	648	-----	226	0.35	156	20	186
GEO-96	Std1	1	-----	-----	-----	-----	-----	-----	-----	-----	136	-----	-----	-----	-----	-----
GEO-96	Std2	1	-----	-----	-----	-----	-----	-----	-----	-----	132	-----	-----	-----	-----	-----
GEO-96	Std1	2	-----	-----	-----	-----	-----	-----	-----	-----	138	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	120	-----	-----	-----	-----	-----
JL-1	Std1	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-3	Blnk	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-G2	Blnk	1	-----	-----	-----	-----	-----	-----	-----	-----	< 2	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	< 2	-----	-----	-----	-----	-----
SIO2-T3	Blnk	1	0.05	0.05	0.01	< 5	< 1	0.01	< 1	150	-----	138	0.01	2	< 10	< 2
CHEMEX MEAN	---	---	0.05	0.03	< 0.01	20	< 1	< 0.01	< 1	207	-----	178	< 0.01	2	< 10	< 2
SL-96	Std1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
175167	Dup	1-01	1.86	0.78	0.86	260	24	0.05	51	2950	18	39	0.07	213	< 10	44
	Orig	1-01	1.86	0.77	0.85	260	24	0.05	53	2910	18	39	0.07	211	< 10	48

CERTIFICATION: [illegible]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Project : TY
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

Certificate Date: 28-SEP-96
Invoice No. : I9632952
P.O. Number :
Account : GP W

CERTIFICATE OF ANALYSIS A9632952

SAMPLE	PREP CODE	Au ppb FA+AA	As ppm	Sb ppm	Hg ppb	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)
[redacted]	205 226	< 5	6	< 0.2	30	< 0.2	2.57	810	< 0.5	2	1.04	< 0.5	9	271	266
	205 226	< 5	38	0.4	30	< 0.2	1.25	270	< 0.5	6	0.47	< 0.5	9	275	325
	205 226	< 5	12	< 0.2	< 10	< 0.2	1.29	600	< 0.5	8	0.36	< 0.5	4	224	65
	205 226	< 5	16	< 0.2	10	< 0.2	5.48	750	0.5	10	1.95	< 0.5	15	189	167
	205 226	< 5	4	< 0.2	80	0.4	7.20	220	1.5	8	0.94	< 0.5	9	146	36
	205 226	< 5	2	< 0.2	70	< 0.2	7.48	270	2.0	< 2	0.91	< 0.5	9	136	14
	205 226	< 5	1	< 0.2	40	< 0.2	7.64	260	2.0	6	0.86	< 0.5	9	127	13
	205 226	< 5	6	< 0.2	10	< 0.2	7.92	590	1.0	8	2.77	< 0.5	20	158	59
	205 226	< 5	4	0.2	40	0.4	7.48	250	2.0	4	1.52	< 0.5	9	130	38
	205 226	< 5	4	< 0.2	40	< 0.2	8.31	310	2.0	4	2.06	< 0.5	11	112	64
	205 226	< 5	4	< 0.2	20	0.4	8.43	230	2.0	10	2.83	< 0.5	14	121	108
	205 226	< 5	4	0.2	< 10	< 0.2	7.58	210	1.5	4	2.61	< 0.5	13	113	87
	205 226	< 5	8	< 0.2	40	< 0.2	7.07	200	2.0	6	1.55	< 0.5	9	98	70
	205 226	< 5	6	0.4	140	< 0.2	7.81	510	2.0	6	2.41	< 0.5	10	77	19
	205 226	< 5	8	0.6	60	< 0.2	7.42	660	2.0	2	1.43	0.5	6	119	24
175186	205 226	< 5	2	< 0.2	30	< 0.2	5.91	140	1.5	4	0.87	< 0.5	18	155	46
175187	205 226	< 5	1	< 0.2	80	0.6	5.35	200	1.0	8	1.23	0.5	21	208	76
175189	205 226	< 5	1	< 0.2	10	< 0.2	5.78	320	0.5	8	3.23	< 0.5	21	266	39
175190	205 226	< 5	2	< 0.2	30	< 0.2	7.82	650	0.5	8	2.70	< 0.5	17	184	30
175191	205 226	< 5	1	< 0.2	10	< 0.2	6.60	700	0.5	2	3.91	< 0.5	20	401	33
175192	205 226	< 5	4	< 0.2	< 10	< 0.2	5.46	90	0.5	2	4.97	< 0.5	39	929	53
175193	205 226	< 5	2	< 0.2	30	< 0.2	7.35	220	1.0	4	2.37	0.5	16	170	33
175194	205 226	< 5	4	0.2	40	0.4	7.36	130	0.5	6	2.90	3.0	20	212	53
175195	205 226	< 5	2	0.2	50	0.2	7.68	190	1.0	10	2.75	2.0	20	161	57
175196	205 226	< 5	1	< 0.2	< 10	< 0.2	7.53	320	0.5	6	2.34	< 0.5	23	153	111
175197	205 226	< 5	1	< 0.2	10	< 0.2	7.70	270	0.5	< 2	2.53	0.5	21	154	245
175198	205 226	< 5	1	< 0.2	90	0.4	7.45	390	1.0	4	3.40	2.0	20	147	120
175199	205 226	< 5	2	0.2	110	0.4	7.62	200	1.0	6	2.24	5.5	20	152	238
175200	205 226	< 5	1	0.2	30	0.4	5.47	200	0.5	< 2	4.08	< 0.5	37	1085	35
175201	205 226	< 5	1	< 0.2	50	0.4	7.58	110	0.5	8	2.58	< 0.5	15	147	29
175202	205 226	< 5	1	< 0.2	90	0.4	7.67	170	0.5	6	2.89	1.5	17	170	32
175209	205 226	< 5	2	< 0.2	< 10	< 0.2	3.02	460	0.5	6	1.36	< 0.5	7	90	11
175210	205 226	< 5	1	0.2	50	0.2	7.08	280	< 0.5	8	4.74	< 0.5	25	166	33
175211	205 226	< 5	1	0.2	20	0.2	4.31	430	0.5	8	2.32	< 0.5	11	152	16
175212	205 226	< 5	4	< 0.2	20	< 0.2	7.23	140	1.0	8	2.51	< 0.5	16	142	40
175213	205 226	< 5	2	0.2	< 10	0.4	7.68	190	2.0	8	1.90	< 0.5	11	77	38
175217	205 226	< 5	4	0.2	10	< 0.2	7.46	230	2.0	10	1.67	< 0.5	11	172	67
175218	205 226	< 5	2	< 0.2	< 10	0.4	8.00	210	2.5	< 2	1.83	< 0.5	10	122	107
175219	205 226	< 5	1	0.2	< 10	< 0.2	7.86	290	2.0	10	1.81	< 0.5	12	196	114
175220	205 226	< 5	2	0.2	< 10	< 0.2	7.47	210	2.0	6	1.20	< 0.5	10	81	216

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 : TY
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

Certificate Date: 28-SEP-96
Invoice No. :19632952
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9632952

SAMPLE	PREP CODE	Fe % (ICP)	K % (ICP)	Mg % (ICP)	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)
175167	205 226	1.86	0.77	0.85	260	24	0.05	53	2910	18	39	0.07	211	< 10	48
175168	205 226	2.49	0.29	0.63	230	7	0.02	47	640	16	16	0.02	99	< 10	52
175169	205 226	1.53	0.36	0.72	185	4	0.02	25	650	4	12	0.04	74	< 10	20
175170	205 226	4.29	1.88	1.84	440	8	0.27	33	1130	6	69	0.19	179	< 10	74
175171	205 226	2.81	3.03	1.13	220	4	1.53	6	450	32	88	0.19	50	< 10	48
175172	205 226	3.14	3.51	1.10	140	2	1.07	3	390	12	137	0.21	37	< 10	42
175173	205 226	2.92	4.07	1.40	290	4	0.38	4	410	14	87	0.22	37	< 10	70
175174	205 226	4.88	3.94	2.72	815	2	0.25	10	500	4	440	0.29	155	< 10	74
175175	205 226	2.91	3.35	1.05	300	1	1.42	4	420	14	241	0.22	40	< 10	56
175176	205 226	3.44	3.48	1.31	540	4	1.79	4	570	24	401	0.27	58	< 10	114
175177	205 226	4.57	3.54	1.75	795	5	1.36	7	920	26	430	0.37	90	< 10	116
175178	205 226	3.90	2.84	1.25	565	2	1.43	5	710	6	384	0.30	78	< 10	84
175179	205 226	2.86	3.36	0.96	440	4	1.04	4	370	8	234	0.19	37	< 10	108
175184	205 226	3.11	3.58	1.05	770	1	1.82	4	510	14	255	0.24	50	< 10	106
175185	205 226	2.44	3.62	0.73	595	3	2.11	2	400	24	151	0.20	32	< 10	108
175186	205 226	2.85	2.59	1.03	940	5	0.26	25	300	6	48	0.15	56	< 10	68
175187	205 226	4.21	2.03	1.79	1940	29	0.17	40	610	104	48	0.28	95	< 10	120
175189	205 226	3.64	1.95	2.65	1480	3	0.22	67	490	12	140	0.23	97	< 10	92
175190	205 226	4.32	1.99	2.76	1405	4	1.61	18	430	26	226	0.29	144	< 10	68
175191	205 226	3.43	0.78	3.57	1260	1	2.02	87	560	4	267	0.25	127	< 10	54
175192	205 226	4.87	0.20	5.94	1445	1	0.41	310	1010	6	356	0.28	140	10	104
175193	205 226	4.20	2.17	2.25	910	4	1.20	18	360	32	207	0.24	113	< 10	124
175194	205 226	5.15	1.89	2.69	1125	3	1.19	22	470	88	263	0.28	140	< 10	294
175195	205 226	4.94	2.84	2.60	1060	4	1.20	20	430	74	222	0.27	139	< 10	314
175196	205 226	4.91	2.29	2.91	750	3	1.76	17	420	4	254	0.27	140	< 10	66
175197	205 226	5.03	2.45	2.66	790	4	1.33	19	440	6	339	0.28	141	< 10	104
175198	205 226	4.44	2.77	2.37	1115	5	1.49	17	410	78	173	0.27	136	< 10	300
175199	205 226	4.89	3.00	2.75	800	9	1.69	19	420	46	152	0.28	147	< 10	322
175200	205 226	5.16	0.67	7.52	1630	1	1.47	320	1060	4	161	0.30	145	10	228
175201	205 226	4.13	3.04	1.64	600	1	1.45	8	450	26	194	0.24	116	< 10	88
175202	205 226	4.16	2.36	2.20	735	4	1.78	14	440	44	299	0.27	139	< 10	178
175209	205 226	1.33	0.82	1.47	265	3	0.90	32	610	< 2	53	0.18	109	< 10	36
175210	205 226	5.48	0.52	2.93	1030	2	1.37	24	540	20	398	0.31	184	10	82
175211	205 226	2.91	0.79	1.51	445	1	0.80	18	500	4	192	0.18	88	< 10	42
175212	205 226	4.42	1.84	1.85	515	4	1.35	14	500	8	280	0.27	118	< 10	60
175213	205 226	2.98	2.96	0.65	280	8	1.92	3	380	16	252	0.21	36	< 10	40
175217	205 226	2.91	2.64	1.11	280	4	1.57	13	330	8	156	0.19	41	< 10	76
175218	205 226	3.22	2.63	0.95	165	3	2.00	5	410	14	199	0.22	36	< 10	28
175219	205 226	3.45	3.01	1.01	250	1	1.46	4	410	12	183	0.20	44	< 10	42
175220	205 226	2.66	2.41	0.86	150	1	2.35	5	440	12	192	0.21	36	< 10	32

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 : TY
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

Page Number :2-A
Total Pages :2
Certificate Date: 28-SEP-96
Invoice No. :I9632952
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9632952

SAMPLE	PREP CODE		Au ppb FA+AA	As ppm	Sb ppm	Hg ppb	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)
175221	205	226	< 5	1	< 0.2	20	< 0.2	7.66	190	2.0	6	1.21	< 0.5	12	51	235
175222	205	226	< 5	2	< 0.2	< 10	0.4	8.14	210	2.0	8	0.79	< 0.5	14	62	611
175223	205	226	< 5	1	< 0.2	10	0.8	7.18	220	1.5	6	0.70	0.5	17	53	1135
175224	205	226	< 5	2	< 0.2	30	0.6	6.97	220	2.0	4	0.81	0.5	10	94	494
175225	205	226	< 5	1	< 0.2	20	0.6	6.81	270	1.5	2	0.91	< 0.5	17	69	936
175226	205	226	< 5	1	< 0.2	10	0.2	7.90	260	0.5	2	3.05	< 0.5	24	203	303
175227	205	226	< 5	2	< 0.2	30	0.6	7.64	110	0.5	8	2.19	< 0.5	24	183	908
175228	205	226	< 5	1	< 0.2	20	0.2	7.89	310	1.0	8	2.27	< 0.5	20	178	688
175229	205	226	< 5	2	< 0.2	30	< 0.2	7.55	280	1.0	6	2.64	< 0.5	19	110	637
175230	205	226	< 5	1	< 0.2	< 10	< 0.2	7.02	1210	2.0	8	0.81	< 0.5	6	79	281
175231	205	226	< 5	1	0.2	30	< 0.2	6.83	1470	1.5	10	0.96	< 0.5	10	66	263

CERTIFICATION:

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

Project : TY
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

Certificate Date: 28-SEP-96
Invoice No. :19632952
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9632952

SAMPLE	PREP CODE		Fe % (ICP)	K % (ICP)	Mg % (ICP)	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)
175221	205	226	2.76	2.88	0.93	190	3	1.94	3	420	8	214	0.22	35	< 10	36
175222	205	226	3.39	3.31	1.30	170	4	0.75	9	490	6	94	0.26	58	< 10	48
175223	205	226	3.07	3.05	1.07	100	4	0.35	9	390	< 2	86	0.23	50	< 10	44
175224	205	226	2.26	2.78	0.71	125	3	1.07	4	210	10	74	0.15	23	< 10	84
175225	205	226	3.52	3.21	1.11	205	4	0.31	9	270	4	60	0.16	52	< 10	84
175226	205	226	5.34	1.53	3.07	620	3	1.16	25	490	4	274	0.29	155	< 10	78
175227	205	226	5.40	1.83	3.45	535	1	0.79	23	440	4	171	0.28	153	< 10	92
175228	205	226	4.63	1.77	2.95	540	3	1.08	21	450	4	191	0.28	135	< 10	82
175229	205	226	4.60	2.02	2.61	560	5	1.39	16	460	4	168	0.27	126	10	84
175230	205	226	1.47	2.49	1.42	190	9	1.37	9	230	6	70	0.15	33	< 10	48
175231	205	226	2.20	1.78	2.02	255	7	1.66	14	360	6	95	0.21	88	< 10	74

CERTIFICATION: Ian Buchler

Chemex Labs Ltd.

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

A9631720

Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

CERTIFICATE A9631720

(GP W) - WESTMIN RESOURCES LTD.

Project: TY
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 20-SEP-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	62	Geochem ring to approx 150 mesh
294	62	4-7 Kg crush and split
3202	62	Rock - save entire reject
285	62	ICP - HF digestion charge
287	62	Special dig'n with organic ext'n

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	62	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
13	62	As ppm: HNO3-aqua regia digest	AAS-HYDRIDE/EDL	1	10000
22	62	Sb ppm: HCl-KClO3 digest, extrac	AAS-BKGD CORR	0.2	1000
20	62	Hg ppb: HNO3-HCl digestion	AAS-FLAMELESS	10	100000
578	62	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	62	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	62	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	62	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	62	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	62	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	62	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	62	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	62	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	62	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	62	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	62	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	62	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	62	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	62	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	62	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	62	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	62	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	62	Pb ppm: 24 element, rock & core	AAS	2	10000
582	62	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	62	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	62	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	62	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	62	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

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

Project: TY
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

QC F 1-A
Tot QC Pg: 1
Date: 20-SEP-96
Invoice #: I9631720
P.O. #:
GP W

QC DATA OF CERTIFICATE A9631720

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Au ppb FA+AA	As ppm	Sb ppm	Hg ppb	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)
BL-C	Blnk	1	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CKR-W	Std2	1	75	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	81	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
FMC-1	Std1	2	340	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	363	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
G96-TOT	Std1	1	-----	-----	-----	-----	-----	7.80	1210	0.5	4	2.11	1.0	20	102	194
G96-TOT	Std2	1	-----	-----	-----	-----	-----	7.90	1210	1.0	8	2.14	1.0	21	107	192
G96-TOT	Std1	2	-----	-----	-----	-----	-----	7.38	1160	0.5	8	2.04	0.5	19	96	182
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	7.52	1155	0.5	< 2	2.04	1.0	16	97	177
GEO-96	Std1	1	-----	56	4.6	160	6.0	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std2	1	-----	60	3.8	140	5.6	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEO-96	Std1	2	-----	62	4.4	160	6.4	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	64	4.5	168	5.5	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-3	Blnk	1	-----	-----	-----	< 10	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	19	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-G2	Blnk	1	-----	1	< 0.2	-----	< 0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	2	< 0.2	-----	< 0.2	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-T3	Blnk	1	-----	-----	-----	-----	-----	0.33	30	< 0.5	2	0.01	< 0.5	< 1	5	3
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	0.24	13	< 0.5	< 2	0.01	< 0.5	< 1	5	2
SL-96	Std1	1	750	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	765	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
175151	Dup	1-01	< 5	1	< 0.2	10	< 0.2	5.41	630	1.5	4	0.79	< 0.5	13	140	97
	Orig	1-01	< 5	1	< 0.2	10	< 0.2	5.34	560	1.5	4	0.78	< 0.5	14	130	95
175479	Dup	2-01	10	2	< 0.2	10	0.4	3.07	300	< 0.5	6	0.16	1.0	11	185	584
	Orig	2-01	10	2	< 0.2	10	0.4	3.19	440	< 0.5	10	0.16	0.5	11	209	608

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: TY
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

QC 1-B
Tot QC Pg: 1
Date: 20-SEP-96
Invoice #: I9631720
P.O. #:
GP W

QC DATA OF CERTIFICATE A9631720

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Fe % (ICP)	K % (ICP)	Mg % (ICP)	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)
BL-C	Blnk	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CKR-W	Std2	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
FMC-1	Std1	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
G96-TOT	Std1	1	4.97	1.87	1.06	1065	11	1.04	24	660	-----	237	0.37	162	20	192
G96-TOT	Std2	1	4.95	1.90	1.07	1090	9	1.06	22	680	-----	238	0.37	165	10	196
G96-TOT	Std1	2	4.66	1.74	1.01	1040	10	0.94	22	640	-----	227	0.34	159	10	184
CHEMEX MEAN	---	---	4.41	1.86	1.03	927	9	1.03	20	648	-----	226	0.35	156	20	186
GEO-96	Std1	1	-----	-----	-----	-----	-----	-----	-----	-----	140	-----	-----	-----	-----	-----
GEO-96	Std2	1	-----	-----	-----	-----	-----	-----	-----	-----	136	-----	-----	-----	-----	-----
GEO-96	Std1	2	-----	-----	-----	-----	-----	-----	-----	-----	132	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	120	-----	-----	-----	-----	-----
SIO2-3	Blnk	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SIO2-G2	Blnk	1	-----	-----	-----	-----	-----	-----	-----	-----	4	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	< 2	-----	-----	-----	-----	-----
SIO2-T3	Blnk	1	0.08	0.08	0.02	< 5	< 1	0.01	< 1	160	-----	139	0.01	4	< 10	< 2
CHEMEX MEAN	---	---	0.05	0.03	< 0.01	20	< 1	< 0.01	< 1	207	-----	178	< 0.01	2	< 10	< 2
SL-96	Std1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
175151	Dup	1-01	2.64	2.35	1.34	210	3	0.74	43	210	4	67	0.31	98	< 10	34
	Orig	1-01	2.58	2.32	1.33	210	1	0.70	43	200	8	66	0.30	97	< 10	46
175479	Dup	2-01	3.28	1.02	0.60	270	4	0.07	12	190	6	16	0.06	26	< 10	88
	Orig	2-01	3.39	1.07	0.62	285	5	0.06	12	200	4	16	0.07	29	< 10	94

CERTIFICATION: Stuart Bachlet

Chemex Labs Ltd.

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

Project : TY
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

Page Number : 1-A
Total Pages : 2
Certificate Date: 20-SEP-96
Invoice No. : I9631720
P.O. Number :
Account : GP W

CERTIFICATE OF ANALYSIS A9631720

SAMPLE	PREP CODE		Au ppb FA+AA	As ppm	Sb ppm	Hg ppb	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)
175151	205	294	< 5	1	< 0.2	10	< 0.2	5.34	560	1.5	4	0.78	< 0.5	14	130	95
175152	205	294	< 5	2	< 0.2	10	< 0.2	5.52	1090	1.0	4	2.62	0.5	25	304	108
175153	205	294	< 5	1	< 0.2	30	< 0.2	7.86	1090	2.0	8	1.61	< 0.5	12	69	52
175154A	205	294	< 5	1	0.4	40	< 0.2	7.80	1760	0.5	6	3.19	< 0.5	22	129	22
175154B	205	294	< 5	2	0.2	20	< 0.2	7.80	2400	0.5	8	3.63	0.5	21	122	25
175155	205	294	< 5	2	< 0.2	20	< 0.2	8.23	1310	0.5	6	3.53	< 0.5	22	106	15
175156	205	294	< 5	1	< 0.2	50	< 0.2	8.11	1120	0.5	4	3.82	0.5	18	88	24
175157	205	294	< 5	2	< 0.2	10	< 0.2	7.99	680	0.5	6	3.71	< 0.5	18	112	37
175158	205	294	< 5	1	1.8	170	< 0.2	7.91	2510	1.5	6	1.94	< 0.5	12	73	31
175159	205	294	< 5	1	0.2	40	< 0.2	7.63	790	2.0	6	1.69	< 0.5	11	70	44
175160	205	294	< 5	1	0.2	110	< 0.2	7.47	710	2.0	2	1.74	1.0	9	63	42
175161	205	294	< 5	2	0.6	100	< 0.2	7.80	470	2.0	4	1.66	1.5	9	104	64
175162	205	294	20	1	< 0.2	30	0.4	6.83	810	0.5	10	1.63	0.5	23	130	1285
175163	205	294	20	1	< 0.2	150	1.0	6.98	680	0.5	6	2.49	3.0	27	204	1420
175164	205	294	< 5	1	< 0.2	< 10	< 0.2	7.40	900	0.5	2	3.54	0.5	23	141	658
175165	205	294	< 5	2	< 0.2	< 10	< 0.2	7.39	330	0.5	2	2.90	< 0.5	26	185	977
175166	205	294	< 5	2	< 0.2	20	0.4	6.38	510	0.5	6	2.38	0.5	22	140	851
175455	205	294	< 5	1	< 0.2	20	0.2	6.58	310	0.5	8	3.43	1.0	14	128	20
175456	205	294	< 5	2	< 0.2	140	0.4	7.63	360	< 0.5	4	2.83	5.0	23	107	50
175457	205	294	< 5	1	< 0.2	30	< 0.2	7.67	190	0.5	6	3.20	0.5	18	108	46
175458	205	294	< 5	2	< 0.2	< 10	< 0.2	8.36	360	0.5	2	4.05	0.5	22	93	35
175459	205	294	< 5	2	< 0.2	< 10	< 0.2	8.23	510	0.5	4	3.01	0.5	21	104	33
175460	205	294	< 5	1	< 0.2	10	< 0.2	8.24	390	0.5	< 2	2.97	2.5	20	76	53
175461	205	294	< 5	1	< 0.2	30	< 0.2	7.54	450	0.5	8	2.54	0.5	19	115	49
175463	205	294	< 5	1	0.2	180	0.4	6.70	240	0.5	8	2.25	2.5	24	184	126
175464	205	294	< 5	2	< 0.2	< 10	< 0.2	4.48	220	0.5	6	1.17	< 0.5	12	170	135
175465	205	294	< 5	2	0.2	30	< 0.2	2.83	240	< 0.5	4	1.60	0.5	12	153	138
175466	205	294	< 5	1	0.2	10	0.2	4.93	130	0.5	4	0.66	0.5	21	202	152
175467	205	294	< 5	2	< 0.2	80	< 0.2	5.04	160	< 0.5	8	1.47	4.0	16	148	160
175468	205	294	< 5	1	0.8	10	< 0.2	4.53	160	< 0.5	6	0.71	< 0.5	21	196	225
175469	205	294	< 5	1	< 0.2	< 10	< 0.2	3.59	320	< 0.5	8	0.55	0.5	15	161	118
175470	205	294	< 5	1	0.2	< 10	0.4	4.04	260	< 0.5	8	1.03	0.5	19	267	459
175471	205	294	20	2	< 0.2	< 10	0.4	5.59	350	1.0	36	0.75	1.0	20	116	238
175472	205	294	< 5	1	0.2	30	0.2	6.04	330	1.0	2	1.03	0.5	16	198	110
175473	205	294	< 5	2	< 0.2	30	< 0.2	6.59	200	0.5	10	2.98	1.0	18	142	105
175474	205	294	< 5	2	< 0.2	50	< 0.2	7.16	150	0.5	8	1.91	1.5	17	146	126
175475	205	294	< 5	16	0.6	10	< 0.2	3.96	350	0.5	8	0.78	0.5	13	125	77
175476	205	294	< 5	2	0.8	10	< 0.2	5.97	120	0.5	6	1.33	0.5	25	170	220
175477	205	294	< 5	1	0.2	< 10	< 0.2	4.43	230	0.5	8	0.30	< 0.5	18	162	237
175478	205	294	< 5	1	< 0.2	10	< 0.2	3.90	260	0.5	8	0.33	< 0.5	13	230	137

CERTIFICATION:

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

Project : TY
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

Page Number :1-B
Total Pages :2
Certificate Date: 20-SEP-96
Invoice No. :I9631720
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9631720

SAMPLE	PREP CODE		Fe % (ICP)	K % (ICP)	Mg % (ICP)	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)
175151	205	294	2.58	2.32	1.33	210	1	0.70	43	200	8	66	0.30	97	< 10	46
175152	205	294	4.80	2.30	3.02	695	6	0.34	119	770	18	99	0.64	148	10	84
175153	205	294	2.43	3.67	1.03	330	4	0.74	9	450	12	90	0.21	54	< 10	30
175154A	205	294	4.53	2.31	2.35	970	1	1.40	12	530	12	248	0.29	158	10	58
175154B	205	294	4.63	2.16	2.39	1050	< 1	1.14	12	500	14	330	0.28	152	10	82
175155	205	294	4.75	1.83	2.62	985	1	1.81	11	690	8	264	0.34	189	10	52
175156	205	294	4.26	1.32	2.40	765	1	2.15	9	620	12	310	0.35	169	10	88
175157	205	294	3.98	2.05	2.41	735	< 1	1.63	8	500	10	286	0.31	151	10	44
175158	205	294	2.05	1.94	1.72	440	1	2.93	5	440	28	185	0.26	75	< 10	64
175159	205	294	2.19	2.46	1.13	465	5	2.45	6	470	24	208	0.23	53	< 10	40
175160	205	294	2.64	3.00	0.96	685	1	1.90	3	440	70	310	0.21	36	< 10	100
175161	205	294	2.69	3.59	0.90	635	2	1.64	4	450	44	285	0.22	38	< 10	154
175162	205	294	4.18	1.93	2.14	380	27	0.64	21	620	16	155	0.26	140	10	86
175163	205	294	5.03	1.64	2.34	435	108	0.46	22	450	76	170	0.26	139	10	290
175164	205	294	4.41	1.72	2.31	500	34	0.90	22	500	20	206	0.28	138	10	60
175165	205	294	5.11	1.71	2.45	380	18	0.89	24	480	14	222	0.28	152	10	46
175166	205	294	3.76	1.61	2.01	315	11	0.64	27	1020	16	172	0.26	167	< 10	40
175455	205	294	4.05	2.88	1.59	890	< 1	1.16	6	460	34	157	0.20	105	< 10	88
175456	205	294	5.41	2.66	2.14	755	4	0.98	8	540	62	257	0.29	170	10	442
175457	205	294	4.88	1.99	1.66	480	1	1.28	6	540	28	305	0.27	141	10	72
175458	205	294	5.26	1.58	1.85	695	4	1.04	7	550	12	378	0.31	161	10	52
175459	205	294	5.40	3.03	2.14	990	3	1.07	7	570	32	265	0.31	158	10	122
175460	205	294	5.24	2.70	2.15	905	4	1.13	6	560	30	309	0.31	157	10	208
175461	205	294	4.50	2.53	1.75	690	4	1.21	7	490	18	253	0.26	130	10	94
175463	205	294	5.23	1.58	2.27	720	3	0.71	37	580	34	150	0.36	129	10	344
175464	205	294	3.37	0.99	1.52	380	4	0.35	27	870	16	71	0.18	110	10	76
175465	205	294	3.09	0.75	1.05	375	2	0.09	26	710	14	37	0.16	66	< 10	68
175466	205	294	4.58	1.25	1.86	335	5	0.21	31	680	34	43	0.33	102	< 10	116
175467	205	294	4.00	1.15	1.59	440	2	0.67	22	590	20	110	0.25	97	10	334
175468	205	294	4.88	1.13	1.80	315	3	0.14	35	1010	6	44	0.27	99	10	64
175469	205	294	3.55	0.94	1.24	300	3	0.12	31	560	10	32	0.19	85	< 10	54
175470	205	294	3.86	1.33	1.53	315	5	0.15	64	780	14	50	0.24	82	< 10	42
175471	205	294	4.08	2.16	1.51	370	2	0.16	28	1080	34	50	0.28	140	< 10	68
175472	205	294	4.26	1.85	1.72	480	3	0.23	23	450	20	82	0.22	90	< 10	114
175473	205	294	5.18	1.54	2.05	830	1	0.38	16	460	20	119	0.23	115	< 10	114
175474	205	294	5.08	1.40	1.80	455	2	0.57	11	550	24	155	0.25	121	< 10	168
175475	205	294	2.81	1.01	1.17	245	6	0.18	22	680	10	49	0.19	92	< 10	60
175476	205	294	5.10	1.33	2.31	440	3	0.31	33	830	10	80	0.52	147	10	70
175477	205	294	3.34	1.21	1.40	195	6	0.19	17	540	6	35	0.19	92	< 10	34
175478	205	294	3.03	1.15	1.20	200	4	0.13	24	610	6	27	0.11	68	< 10	38

CERTIFICATION:

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Page Number :2-A
Total Pages :2
Certificate Date: 20-SEP-96
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CERTIFICATE OF ANALYSIS A9631720

SAMPLE	PREP CODE		Au ppb FA+AA	As ppm	Sb ppm	Hg ppb	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)
175479	205	294	10	2	< 0.2	10	0.4	3.19	440	< 0.5	10	0.16	0.5	11	209	608
175480	205	294	< 5	1	< 0.2	20	0.2	5.78	280	1.5	8	1.69	0.5	6	152	113
175481	205	294	< 5	1	< 0.2	20	< 0.2	6.48	440	1.5	8	0.74	0.5	6	135	112
175482	205	294	< 5	2	1.2	20	0.8	3.67	260	0.5	8	1.16	1.0	13	230	217
175483	205	294	5	1	1.8	40	< 0.2	2.98	150	0.5	8	1.28	< 0.5	16	251	261
175484	205	294	< 5	2	0.2	< 10	< 0.2	2.72	190	0.5	8	0.61	0.5	12	221	100
175485	205	294	< 5	2	0.2	90	0.4	3.20	110	0.5	8	1.17	3.5	18	238	86
175486	205	294	< 5	1	0.2	30	< 0.2	4.13	360	1.0	12	0.70	< 0.5	15	260	44
175487	205	294	< 5	2	0.2	30	< 0.2	4.36	180	1.0	6	0.89	0.5	10	219	20
175488	205	294	< 5	2	0.6	160	< 0.2	5.27	210	1.0	8	1.44	0.5	13	114	43
175489	205	294	< 5	2	3.6	110	< 0.2	5.69	300	0.5	6	2.73	0.5	12	191	51
175490	205	294	< 5	86	5.0	80	0.6	2.89	120	1.0	10	1.20	1.0	9	362	128
175491	205	294	< 5	14	0.8	30	< 0.2	1.86	120	0.5	8	1.07	0.5	5	255	36
175492	205	294	< 5	6	0.6	60	0.4	1.90	120	0.5	6	0.78	0.5	6	260	41
175493	205	294	< 5	24	1.2	< 10	< 0.2	1.94	110	0.5	8	0.84	< 0.5	7	264	41
175494	205	294	< 5	20	0.2	20	< 0.2	1.90	120	0.5	8	0.86	0.5	8	260	47
175495	205	294	< 5	2	< 0.2	50	< 0.2	7.02	1590	1.5	8	2.09	1.0	17	130	74
175496	205	294	< 5	2	< 0.2	50	0.4	7.88	540	1.0	8	2.60	0.5	19	151	71
175497	205	294	< 5	4	0.2	40	0.4	2.85	160	1.0	6	1.13	< 0.5	8	299	69
175498	205	294	< 5	4	< 0.2	40	0.2	1.87	160	0.5	8	0.94	0.5	7	399	80
175499	205	294	< 5	2	< 0.2	400	< 0.2	2.81	180	0.5	8	2.42	6.5	9	201	121
175500	205	294	< 5	1	< 0.2	20	< 0.2	4.40	950	1.5	< 2	5.78	1.0	22	203	375

CERTIFICATION: Ian B-d-l-

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 : TY
Comments: ATTN: TERRY TUCKER - VANCOUVER OFFICE

Page Number :2-B
Total Pages :2
Certificate Date: 20-SEP-96
Invoice No. :19631720
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9631720

SAMPLE	PREP CODE		Fe % (ICP)	K % (ICP)	Mg % (ICP)	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)
175479	205	294	3.39	1.07	0.62	285	5	0.06	12	200	4	16	0.07	29	< 10	94
175480	205	294	2.30	2.64	0.57	345	1	0.16	4	180	34	69	0.08	13	< 10	58
175481	205	294	2.63	2.98	0.55	230	3	0.20	3	180	20	49	0.10	14	< 10	98
175482	205	294	4.06	1.18	1.52	375	6	0.08	28	1540	8	60	0.18	114	< 10	74
175483	205	294	4.51	0.81	1.44	345	7	0.19	22	670	10	83	0.13	67	< 10	42
175484	205	294	3.81	0.87	1.01	375	6	0.05	26	750	10	61	0.13	67	< 10	48
175485	205	294	5.09	0.83	1.39	820	5	0.05	31	1260	16	132	0.11	87	< 10	268
175486	205	294	3.19	1.35	1.42	540	4	0.07	34	550	8	78	0.19	89	< 10	62
175487	205	294	2.32	1.63	1.28	275	4	0.09	22	210	22	109	0.20	58	< 10	60
175488	205	294	2.73	2.02	1.43	370	2	0.17	19	360	28	202	0.17	74	< 10	150
175489	205	294	2.92	1.92	2.12	570	3	0.19	29	600	14	268	0.17	137	< 10	90
175490	205	294	2.73	1.00	0.76	245	11	0.04	121	3030	24	214	0.09	387	< 10	124
175491	205	294	2.03	0.52	0.69	220	6	0.01	59	3440	8	140	0.04	198	< 10	58
175492	205	294	2.33	0.59	0.82	235	8	0.02	64	2950	32	58	0.05	233	< 10	94
175493	205	294	2.92	0.54	1.06	220	14	0.02	84	2620	6	84	0.05	284	< 10	36
175494	205	294	2.94	0.51	1.27	325	22	0.02	75	2640	14	44	0.05	232	< 10	76
175495	205	294	4.47	2.31	3.18	985	3	0.29	18	780	10	80	0.30	164	10	170
175496	205	294	4.70	2.14	2.70	840	< 1	1.21	16	690	30	221	0.32	138	10	138
175497	205	294	2.25	1.10	1.26	395	10	0.04	112	3910	20	88	0.10	226	< 10	66
175498	205	294	2.16	0.62	1.19	410	44	0.01	205	2760	12	64	0.09	1785	< 10	124
175499	205	294	2.78	0.87	2.08	740	9	0.04	105	1000	8	154	0.21	315	< 10	626
175500	205	294	5.84	1.78	5.23	1205	5	0.33	116	2420	8	166	0.34	508	20	210

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

A9630605

Comments: ATTN: DAVID TERRY

CERTIFICATE A9630605

(GP W) - WESTMIN RESOURCES LTD.

Project: 6408
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 13-SEP-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	8	Geochem ring to approx 150 mesh
226	8	0-3 Kg crush and split
3202	8	Rock - save entire reject
285	8	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	8	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	8	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	8	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	8	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	8	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	8	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	8	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	8	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	8	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	8	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	8	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	8	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	8	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	8	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	8	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	8	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	8	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	8	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	8	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	8	Pb ppm: 24 element, rock & core	AAS	2	10000
582	8	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	8	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	8	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	8	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	8	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: 6408
Comments: ATTN: DAVID TERRY

QC : 1-A
Tot QC Pg: 1
Date: 13-SEP-96
Invoice #: 19630605
P.O. #: GP W

QC DATA OF CERTIFICATE A9630605

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)
G96-TOT	Std1	1	-----	-----	8.19	1230	0.5	4	2.14	2.0	20	109	203	5.16	2.08	1.12
CHEMEX MEAN	---	---	-----	-----	7.52	1155	0.5	< 2	2.04	1.0	16	97	177	4.41	1.86	1.03
GEO-96	Std1	1	-----	5.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	-----	5.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
WC-96	Std1	1	240	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHEMEX MEAN	---	---	239	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: Stuart Bichler

Chemex Labs Ltd.

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

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

Project : 6408
Comments: ATTN: DAVID TERRY

Page Number : 1-B
Total Pages : 1
Certificate Date: 13-SEP-96
Invoice No. : I9630605
P.O. Number :
Account : GP W

CERTIFICATE OF ANALYSIS A9630605

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)			
134778	205	226	75	1	0.07	5	430	< 2	19	0.37	87	< 10	32			
134779	205	226	230	3	< 0.01	45	420	36	8	0.05	41	20	144			
134780	205	226	775	1	0.68	9	550	10	199	0.30	146	30	30			
134781	205	226	65	1	0.01	12	110	12	5	0.01	10	< 10	6			
134782	205	226	15	14	0.10	27	140	8	12	0.03	50	< 10	860			
134783	205	226	165	49	0.17	29	1690	< 2	90	0.25	203	10	48			
134784	205	226	235	33	0.32	82	3180	14	31	0.07	388	10	78			
134785	205	226	185	10	0.10	4	20	100	18	0.12	31	10	1285			

CERTIFICATION: David Chalk

Chemex Labs Ltd.

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British Columbia, Canada V7J 2C1
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To: WESTMIN RESOURCES LTD.
PROJECT: WOLVERINE
P.O. BOX 49066, THE BENTALL CENTRE
VANCOUVER, BC
V7X 1C4

Project : 6408
Comments: ATTN: DAVID TERRY

Page Number : 1-A
Total Pages : 1
Certificate Date: 13-SEP-96
Invoice No. : I9630605
P.O. Number :
Account : GP W

CERTIFICATE OF ANALYSIS A9630605

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)
134778	205	226	15	< 0.2	4.30	5870	1.5	< 2	0.03	< 0.5	3	140	34	2.85	2.21	0.69
134779	205	226	35	0.8	1.41	80	< 0.5	< 2	0.10	0.5	9	175	91	8.43	< 0.01	0.91
134780	205	226	10	0.2	7.96	400	1.5	6	3.14	< 0.5	11	120	38	4.33	3.14	2.17
134781	205	226	10	0.2	0.31	90	< 0.5	< 2	0.02	< 0.5	13	237	10	1.72	0.07	0.14
134782	205	226	80	3.6	2.06	130	< 0.5	16	0.03	15.0	10	154	5210	2.04	0.96	0.09
134783	205	226	10	< 0.2	5.82	1210	0.5	6	1.41	< 0.5	15	240	586	3.50	1.74	1.66
134784	205	226	25	0.2	1.33	220	< 0.5	10	0.83	0.5	6	287	816	1.29	0.22	0.57
134785	205	226	15	1.0	2.04	130	< 0.5	< 2	0.12	9.0	4	209	1240	7.19	0.60	0.17

CERTIFICATION: Stuart Bichlen

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: 6408
Comments: ATTN: DAVID TERRY

QC 1-B
Tot QC Pg: 1
Date: 13-SEP-96
Invoice #: I9630605
P.O. #:
GP W

QC DATA OF CERTIFICATE A9630605

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)			
G96-TOT	Std1	1	1060	10	1.18	22	660	-----	239	0.39	164	30	206			
CHEMEX MEAN	---	---	927	9	1.03	20	648	-----	226	0.35	156	20	186			
GEO-96	Std1	1	-----	-----	-----	-----	-----	132	-----	-----	-----	-----	-----			
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	120	-----	-----	-----	-----	-----			
WC-96	Std1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
CHEMEX MEAN	---	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			

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

A9627829

Comments: ATTN: DAVID TERRY

CERTIFICATE A9627829

(GP W) - WESTMIN RESOURCES LTD.

Project:
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 28-AUG-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	103	Dry, sieve to -80 mesh
202	103	save reject
285	103	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	103	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	103	Ag ppm: 24 element, rock & core	AAS	0.2	200
573	103	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	103	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	103	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	103	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	103	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	103	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	103	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	103	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	103	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	103	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	103	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	103	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	103	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	103	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	103	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	103	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	103	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	103	Pb ppm: 24 element, rock & core	AAS	2	10000
582	103	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	103	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	103	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	103	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	103	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

Project :
Comments: ATTN: DAVID TERRY

Page Number : 1-A
Total Pages : 5
Certificate Date: 28-AUG-96
Invoice No. : I9627829
P.O. Number :
Account : GP W

CERTIFICATE OF ANALYSIS A9627829

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)
133131-SS	201	202	10	< 0.2	8.68	1430	1.5	< 2	0.52	2.5	22	57	230	5.02	3.40	1.23
133132-SS	201	202	< 5	< 0.2	8.47	1420	1.0	< 2	0.41	2.0	19	48	229	4.44	3.23	1.08
133133-SS	201	202	< 5	0.2	8.46	1420	1.5	< 2	0.60	2.0	21	54	206	4.94	3.34	1.31
133134-SS	201	202	< 5	0.2	8.75	1450	1.5	< 2	0.45	1.5	18	51	186	4.26	3.40	1.13
133135-SS	201	202	15	< 0.2	8.67	1500	1.5	< 2	0.49	2.0	18	51	281	4.41	3.40	1.18
133136-SS	201	202	< 5	0.2	8.86	1510	1.5	< 2	0.51	2.0	19	52	287	4.69	3.42	1.23
133137-SS	201	202	< 5	0.2	8.31	1430	1.5	< 2	0.48	2.0	17	49	326	4.59	3.29	1.15
133138-SS	201	202	< 5	0.2	7.90	1400	1.5	< 2	0.59	2.0	18	50	238	4.40	3.18	1.20
133139-SS	201	202	< 5	< 0.2	8.63	1640	1.5	< 2	0.84	2.5	21	50	232	4.87	3.54	1.51
133140-SS	201	202	< 5	< 0.2	8.55	1670	1.5	< 2	0.53	1.5	27	83	321	5.10	3.28	1.86
133141-SS	201	202	55	< 0.2	8.88	1750	1.5	< 2	0.77	2.5	32	72	303	5.47	3.46	1.82
133142-SS	201	202	15	< 0.2	8.74	1580	1.5	< 2	0.75	3.5	54	68	1070	5.46	3.15	1.68
133143-SS	201	202	< 5	< 0.2	8.62	1630	1.5	< 2	0.70	2.0	26	70	349	4.68	3.27	1.80
133144-SS	201	202	< 5	< 0.2	8.14	1520	1.0	< 2	0.68	2.5	31	67	400	5.15	3.06	1.61
133145-SS	201	202	< 5	0.8	8.79	1700	1.5	< 2	0.79	3.5	42	70	568	4.72	3.33	1.81
133146-SS	201	202	< 5	< 0.2	8.83	1690	1.5	< 2	0.74	3.5	34	75	366	4.44	3.34	1.87
133147-SS	201	202	< 5	< 0.2	8.73	1700	1.5	< 2	0.73	4.0	40	74	392	4.44	3.25	1.85
133148-SS	201	202	< 5	< 0.2	8.83	1760	1.5	< 2	0.70	5.0	54	76	574	4.79	3.36	1.85
133149-SS	201	202	< 5	< 0.2	8.54	1590	1.5	< 2	0.80	5.0	56	72	629	5.25	3.24	1.82
133150-SS	201	202	< 5	< 0.2	8.67	1780	1.5	< 2	0.74	5.0	53	71	549	4.70	3.23	1.85
270800	201	202	< 5	< 0.2	6.05	1240	0.5	< 2	1.05	0.5	7	37	33	2.14	1.76	0.57
270801	201	202	< 5	< 0.2	6.57	1170	0.5	< 2	1.38	1.0	12	22	37	2.10	1.62	0.57
270802	201	202	< 5	< 0.2	5.63	1330	0.5	< 2	0.63	1.5	13	47	35	2.44	1.69	0.46
270803	201	202	< 5	< 0.2	4.62	1520	0.5	< 2	0.46	1.0	16	48	39	2.49	1.55	0.41
270804	201	202	< 5	< 0.2	4.37	1470	0.5	< 2	0.21	< 0.5	10	52	45	2.95	1.59	0.45
270805	201	202	< 5	1.0	4.78	1150	0.5	< 2	0.61	< 0.5	8	57	40	2.84	1.55	0.54
270806	201	202	< 5	0.6	5.80	1370	0.5	< 2	0.89	0.5	15	35	43	2.35	1.56	0.49
270807	201	202	< 5	1.0	6.28	1050	0.5	< 2	1.07	< 0.5	11	36	38	2.48	1.71	0.52
270808	201	202	< 5	0.8	6.32	910	0.5	< 2	1.18	< 0.5	5	17	31	1.79	1.68	0.48
270809	201	202	< 5	0.4	5.09	1070	0.5	< 2	0.71	< 0.5	10	60	36	2.90	1.47	0.60
270810	201	202	< 5	0.6	3.56	1380	0.5	< 2	0.52	1.0	17	49	41	2.83	1.07	0.59
270811	201	202	< 5	2.0	6.40	880	0.5	< 2	1.27	< 0.5	5	17	30	1.58	1.64	0.45
270812	201	202	< 5	0.8	5.26	1090	0.5	< 2	0.85	0.5	9	47	32	2.57	1.45	0.59
270813	201	202	< 5	< 0.2	5.82	1050	0.5	< 2	1.08	< 0.5	10	44	34	2.79	1.53	0.66
270814	201	202	< 5	< 0.2	5.11	1510	0.5	< 2	0.50	< 0.5	9	71	49	3.45	1.48	0.69
270815	201	202	< 5	< 0.2	5.25	1180	0.5	< 2	0.53	< 0.5	8	66	44	4.12	1.37	0.84
270816	201	202	< 5	< 0.2	5.76	1430	0.5	< 2	0.72	< 0.5	8	55	38	2.33	1.70	0.51
270817	201	202	< 5	< 0.2	6.42	1130	0.5	< 2	1.08	< 0.5	6	28	32	1.96	1.79	0.47
270818	201	202	< 5	< 0.2	6.53	1160	0.5	< 2	1.19	< 0.5	9	22	30	1.97	1.59	0.49
270819	201	202	< 5	< 0.2	5.29	1420	0.5	< 2	0.58	< 0.5	11	66	45	3.55	1.58	0.48

CERTIFICATION: Stuart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Project :
Comments: ATTN: DAVID TERRY

Certificate Date: 28-AUG-96
Invoice No. :19627829
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9627829

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)
133131-SS	201	202	1400	7	1.09	22	880	172	129	0.28	118	< 10	420
133132-SS	201	202	1190	8	1.00	20	730	144	107	0.26	113	< 10	348
133133-SS	201	202	1210	8	1.02	23	860	148	141	0.28	111	< 10	360
133134-SS	201	202	1015	6	0.99	18	780	100	119	0.26	117	< 10	302
133135-SS	201	202	1020	9	0.98	20	760	126	121	0.26	112	< 10	308
133136-SS	201	202	1150	10	1.02	18	840	106	120	0.27	117	< 10	324
133137-SS	201	202	1115	13	1.01	19	770	108	119	0.26	108	< 10	350
133138-SS	201	202	970	6	0.99	18	830	120	135	0.27	103	< 10	334
133139-SS	201	202	1375	9	0.96	20	830	120	150	0.29	111	< 10	376
133140-SS	201	202	1320	18	0.74	19	820	96	109	0.31	133	< 10	330
133141-SS	201	202	1455	14	0.85	24	830	100	139	0.30	130	< 10	390
133142-SS	201	202	2320	10	0.88	29	770	92	136	0.29	120	< 10	532
133143-SS	201	202	1370	9	0.97	20	700	60	124	0.27	124	< 10	352
133144-SS	201	202	1530	9	0.94	22	750	88	132	0.28	112	< 10	346
133145-SS	201	202	1930	9	0.96	29	690	84	135	0.28	122	< 10	520
133146-SS	201	202	1875	9	0.89	29	630	58	124	0.28	123	< 10	402
133147-SS	201	202	2230	12	1.02	33	680	84	125	0.28	128	< 10	468
133148-SS	201	202	2640	9	0.94	41	750	74	127	0.29	130	< 10	624
133149-SS	201	202	2490	8	0.93	42	780	82	144	0.30	124	< 10	676
133150-SS	201	202	2530	9	0.95	39	740	72	129	0.29	128	< 10	634
270800	201	202	540	4	1.69	15	1700	26	310	0.31	80	< 10	90
270801	201	202	3680	5	1.98	11	1830	24	423	0.25	65	< 10	76
270802	201	202	3770	4	1.21	18	2470	34	192	0.32	85	< 10	84
270803	201	202	4060	3	0.75	21	2890	40	114	0.30	91	< 10	114
270804	201	202	1085	2	0.43	25	2350	28	50	0.25	87	< 10	106
270805	201	202	755	2	0.86	23	1630	44	135	0.36	92	< 10	132
270806	201	202	7210	3	1.46	13	2870	52	273	0.30	79	< 10	88
270807	201	202	1845	3	1.77	14	1850	40	329	0.30	71	< 10	74
270808	201	202	865	2	1.96	10	1980	22	383	0.21	48	< 10	58
270809	201	202	615	2	1.11	24	1910	34	173	0.33	88	< 10	90
270810	201	202	4290	3	0.64	29	2700	50	79	0.33	89	< 10	126
270811	201	202	445	2	2.13	9	2500	14	414	0.22	42	< 10	46
270812	201	202	705	3	1.45	23	2590	28	240	0.36	79	< 10	80
270813	201	202	1630	3	1.65	17	2230	26	303	0.39	88	< 10	68
270814	201	202	675	3	0.81	28	1790	30	107	0.45	134	< 10	102
270815	201	202	575	3	1.01	32	1230	56	113	0.48	118	< 10	106
270816	201	202	775	3	1.36	21	1120	30	222	0.50	105	< 10	88
270817	201	202	420	2	1.96	12	1520	16	363	0.31	72	< 10	70
270818	201	202	1675	4	1.91	10	1930	16	384	0.26	59	< 10	66
270819	201	202	480	3	1.12	34	1090	20	165	0.45	123	< 10	124

CERTIFICATION: Ian Pontius

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CERTIFICATE OF ANALYSIS A9627829

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)
270820	201	202	< 5	< 0.2	4.98	1440	0.5	< 2	0.59	< 0.5	10	46	39	2.74	1.44	0.48
270821	201	202	< 5	< 0.2	4.35	1430	0.5	< 2	0.40	< 0.5	12	60	64	3.51	1.18	0.70
270822	201	202	< 5	< 0.2	4.44	1530	0.5	< 2	0.38	0.5	10	73	48	2.36	1.33	0.35
270823	201	202	< 5	< 0.2	5.19	1430	0.5	< 2	0.62	< 0.5	9	59	54	2.66	1.52	0.45
270824	201	202	< 5	< 0.2	4.79	1400	0.5	< 2	0.46	< 0.5	9	69	53	3.29	1.44	0.56
270825	201	202	< 5	< 0.2	5.59	1120	0.5	< 2	0.75	< 0.5	8	65	36	3.54	1.50	0.81
270826	201	202	< 5	0.4	6.24	1050	0.5	< 2	1.18	0.5	7	28	30	1.83	1.64	0.49
270827	201	202	< 5	< 0.2	5.39	1140	0.5	< 2	0.88	< 0.5	6	31	44	1.96	1.49	0.40
270828	201	202	< 5	< 0.2	5.50	1680	1.0	< 2	0.56	1.0	11	89	41	3.05	1.63	0.51
270829	201	202	< 5	< 0.2	3.87	1380	0.5	< 2	0.31	0.5	7	85	80	2.40	0.95	0.34
270830	201	202	< 5	< 0.2	3.77	1560	0.5	< 2	0.41	< 0.5	8	88	73	2.79	1.17	0.49
270831	201	202	< 5	< 0.2	4.51	2000	1.0	< 2	0.50	0.5	9	114	73	2.94	1.57	0.52
270832	201	202	< 5	0.6	4.67	1370	1.0	< 2	0.92	< 0.5	11	95	68	2.99	1.21	0.73
270833	201	202	< 5	0.4	5.08	1630	1.5	< 2	0.81	< 0.5	10	102	64	2.91	1.35	0.81
270834	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270835	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270836	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270837	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270838	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270839	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270840	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270841	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270842	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270843	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270844	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270845	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270846	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270847	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270848	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270849	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270850	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270851	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270852	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270853	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270854	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270855	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270856	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270857	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270858	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270859	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd

CERTIFICATION:

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Project :
Comments: ATTN: DAVID TERRY

Page Number :2-B
Total Pages :5
Certificate Date: 28-AUG-96
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CERTIFICATE OF ANALYSIS A9627829

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)			
270820	201	202	1115	4	1.15	23	1200	16	169	0.41	98	< 10	124			
270821	201	202	435	4	0.64	38	890	22	83	0.48	118	< 10	106			
270822	201	202	1365	4	0.59	33	1250	18	95	0.37	121	< 10	146			
270823	201	202	1140	3	1.05	33	920	16	187	0.46	123	< 10	106			
270824	201	202	655	4	0.69	37	1330	22	101	0.39	135	< 10	114			
270825	201	202	605	4	1.11	25	1660	20	166	0.48	124	< 10	92			
270826	201	202	2110	3	1.94	10	1510	14	383	0.28	67	< 10	66			
270827	201	202	800	3	1.55	13	2140	30	293	0.26	67	< 10	72			
270828	201	202	2540	4	1.03	26	2080	36	133	0.56	167	< 10	164			
270829	201	202	955	6	0.45	41	2710	22	67	0.28	158	< 10	102			
270830	201	202	655	5	0.50	48	1230	26	74	0.30	155	< 10	122			
270831	201	202	355	6	0.54	54	1230	26	88	0.40	332	< 10	144			
270832	201	202	445	5	0.85	60	1650	42	129	0.35	177	< 10	158			
270833	201	202	430	4	0.88	56	1410	30	126	0.36	206	< 10	146			
270834	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270835	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270836	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270837	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270838	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270839	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
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270841	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270842	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270843	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270844	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270845	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270846	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270847	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270848	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270849	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270850	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270851	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270852	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270853	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270854	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270855	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270856	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270857	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270858	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270859	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			

CERTIFICATION: Stuart Buchlan

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270860	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
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270862	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270863	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270864	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270865	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
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270867	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270868	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270869	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270870	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270871	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270872	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270873	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270874	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270875	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270876	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270877	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270878	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270879	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270880	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270881	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270882	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270883	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270884	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270885	201	202	< 5	0.6	5.48	2680	1.5	2	1.02	1.0	16	117	62	4.05	1.59	1.17
270886	201	202	< 5	0.4	6.14	7080	2.0	6	0.38	3.5	20	130	113	4.27	2.58	0.99
270887	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270888	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270889	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270890	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270891	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270892	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270893	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270894	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270895	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270896	201	202	< 5	0.4	5.62	2250	1.5	2	0.48	1.0	10	74	39	2.81	1.95	0.59
270897	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270898	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270899	201	202	< 5	1.6	6.18	1960	1.5	2	1.03	2.0	11	61	67	2.36	1.98	0.46

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 :
Comments: ATTN: DAVID TERRY

Page .ber :3-B
Total Pages :5
Certificate Date: 28-AUG-96
Invoice No. :I9627829
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9627829

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)			
270860	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270861	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270862	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270863	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270864	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270865	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270866	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270867	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270868	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270869	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270870	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270871	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270872	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270873	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270874	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270875	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270876	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270877	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270878	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270879	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270880	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270881	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270882	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270883	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270884	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270885	201	202	980	5	0.89	63	2020	22	157	0.50	216	< 10	194			
270886	201	202	585	9	0.28	97	1480	16	75	0.34	298	< 10	428			
270887	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270888	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270889	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270890	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270891	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270892	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270893	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270894	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270895	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270896	201	202	615	4	0.77	29	1720	22	100	0.43	148	< 10	140			
270897	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270898	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270899	201	202	1585	11	1.57	33	1540	42	289	0.21	116	< 10	210			

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 :
Comments: ATTN: DAVID TERRY

Certificate Date: 28-AUG-96
Invoice No. :19627829
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9627829

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)
270900	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270901	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270902	201	202	< 5	0.2	6.11	2620	1.5	2	0.55	9.0	10	31	33	1.92	2.66	0.48
270903	201	202	< 5	< 0.2	6.19	2220	1.5	< 2	0.47	1.0	9	29	32	2.18	2.66	0.49
270904	201	202	< 5	< 0.2	6.60	1140	0.5	4	1.46	2.5	10	17	28	1.94	1.81	0.56
270905	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270906	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270907	201	202	< 5	< 0.2	7.05	940	0.5	4	1.84	< 0.5	9	7	22	1.78	1.94	0.59
270908	201	202	< 5	< 0.2	5.45	4010	1.5	6	0.34	0.5	14	108	76	3.33	1.95	0.79
270909	201	202	< 5	< 0.2	5.11	2740	1.0	2	0.67	< 0.5	12	88	58	3.07	1.75	0.77
270910	201	202	< 5	< 0.2	5.78	1960	1.5	< 2	0.58	< 0.5	12	75	54	3.68	1.96	0.83
270911	201	202	< 5	< 0.2	5.10	1760	1.0	< 2	0.53	0.5	9	57	47	3.14	1.64	0.55
270912	201	202	< 5	< 0.2	4.98	1700	0.5	< 2	0.61	0.5	11	63	43	3.44	1.57	0.63
270913	201	202	< 5	< 0.2	4.95	1720	0.5	< 2	0.79	2.5	19	35	39	2.30	1.41	0.44
270914	201	202	< 5	< 0.2	5.61	1850	1.0	< 2	0.62	1.0	10	60	42	3.36	1.77	0.62
270915	201	202	< 5	< 0.2	4.77	2130	0.5	< 2	0.91	1.5	24	49	42	2.91	1.47	0.53
270916	201	202	< 5	0.6	4.01	1770	0.5	< 2	0.84	6.5	21	37	55	2.08	1.11	0.37
270917	201	202	< 5	< 0.2	6.43	1270	0.5	< 2	1.31	5.0	11	21	38	1.93	1.67	0.55
270918	201	202	< 5	0.4	4.91	1740	0.5	< 2	0.45	1.5	10	56	51	2.82	1.44	0.44
270919	201	202	< 5	0.4	3.15	1360	0.5	< 2	0.28	< 0.5	8	47	43	2.88	1.11	0.34
270920	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270921	201	202	< 5	0.4	5.70	1060	1.0	< 2	1.02	< 0.5	8	41	36	2.46	1.76	0.65
270922	201	202	< 5	0.4	5.65	1110	0.5	< 2	0.91	0.5	9	43	52	2.21	1.63	0.43
270923	201	202	< 5	0.6	5.44	1100	0.5	< 2	1.05	< 0.5	9	38	40	2.40	1.64	0.52
270924	201	202	< 5	0.4	5.77	1260	1.0	< 2	0.92	< 0.5	9	48	42	2.55	1.83	0.51
270925	201	202	< 5	1.0	5.58	1390	1.5	< 2	0.60	5.0	21	48	76	3.18	1.76	0.58
270926	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270927	201	202	< 5	0.6	5.09	1610	1.5	2	0.97	2.5	43	50	92	2.93	1.81	0.63
270928	201	202	< 5	0.6	5.04	1570	1.0	4	0.82	1.0	20	51	75	3.08	1.88	0.65
270929	201	202	< 5	< 0.2	5.68	1430	1.0	6	0.68	< 0.5	11	57	80	3.01	2.03	0.70
270930	201	202	< 5	1.0	5.81	1420	1.5	4	0.73	0.5	17	65	99	3.94	2.24	1.01
270931	201	202	< 5	< 0.2	5.77	1190	1.0	6	0.94	< 0.5	14	59	93	4.23	2.15	1.16
270932	201	202	< 5	< 0.2	5.58	1350	1.5	4	0.72	0.5	11	60	55	3.16	1.93	0.76
270933	201	202	< 5	0.4	5.63	990	1.0	2	1.00	< 0.5	10	39	50	2.85	1.82	0.74
270934	201	202	< 5	< 0.2	5.85	870	0.5	2	1.59	0.5	9	24	24	2.23	1.50	0.72
270935	201	202	< 5	< 0.2	6.00	980	0.5	4	1.48	0.5	10	15	22	1.75	1.70	0.55
270936	201	202	< 5	0.4	5.18	1660	0.5	2	0.97	4.5	28	26	32	1.93	1.54	0.46
270937	201	202	< 5	1.0	3.92	1170	1.0	4	0.53	2.0	31	49	57	2.67	1.02	0.52
270938	201	202	< 5	1.0	5.66	1050	1.5	2	1.19	0.5	20	35	41	2.39	1.56	0.65
270939	201	202	< 5	0.4	5.30	1300	1.0	2	1.06	0.5	14	39	37	2.45	1.57	0.61

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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)			
270900	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270901	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270902	201	202	5190	9	0.76	16	1630	290	116	0.24	77	< 10	308			
270903	201	202	3670	10	0.78	18	1530	90	115	0.28	83	< 10	180			
270904	201	202	2940	6	2.17	9	1560	22	442	0.24	57	< 10	82			
270905	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270906	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270907	201	202	1400	2	2.48	9	1150	8	537	0.22	45	< 10	92			
270908	201	202	835	8	0.47	55	1630	22	84	0.32	209	< 10	178			
270909	201	202	1350	7	0.76	44	1360	28	139	0.34	160	< 10	156			
270910	201	202	540	5	0.87	39	1820	54	116	0.40	149	< 10	154			
270911	201	202	1300	6	0.91	29	1520	24	128	0.40	126	< 10	134			
270912	201	202	1385	4	1.06	29	2040	28	124	0.44	124	< 10	136			
270913	201	202	5730	4	1.25	18	3900	24	213	0.30	77	< 10	150			
270914	201	202	885	5	1.23	27	1670	20	141	0.53	125	< 10	148			
270915	201	202	7150	5	1.00	25	3020	40	172	0.41	106	< 10	314			
270916	201	202	7650	4	0.88	34	3200	30	165	0.29	76	< 10	250			
270917	201	202	2080	4	1.90	15	2220	24	393	0.26	63	< 10	78			
270918	201	202	550	5	0.89	27	3780	24	124	0.45	132	< 10	114			
270919	201	202	1175	4	0.44	32	1710	20	64	0.27	114	< 10	120			
270920	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270921	201	202	885	4	1.45	20	1490	40	268	0.31	80	< 10	94			
270922	201	202	1170	9	1.51	17	2580	76	284	0.30	88	< 10	112			
270923	201	202	1010	5	1.59	19	1620	30	311	0.31	82	< 10	80			
270924	201	202	690	4	1.52	19	1570	34	275	0.36	99	< 10	92			
270925	201	202	4440	4	1.11	27	1860	68	152	0.40	99	< 10	246			
270926	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270927	201	202	5380	3	1.03	23	3710	40	181	0.32	89	< 10	158			
270928	201	202	3090	4	0.96	20	3480	40	151	0.40	102	< 10	118			
270929	201	202	630	5	1.19	16	1340	24	156	0.47	118	< 10	98			
270930	201	202	1245	5	1.08	26	1110	56	162	0.47	115	< 10	120			
270931	201	202	850	4	1.11	23	990	56	208	0.47	107	< 10	118			
270932	201	202	1060	4	1.11	19	2910	24	174	0.42	109	< 10	96			
270933	201	202	775	4	1.59	16	1490	30	285	0.38	76	< 10	84			
270934	201	202	560	2	1.95	13	1650	26	425	0.31	62	< 10	86			
270935	201	202	1480	2	2.12	7	1350	14	430	0.23	48	< 10	82			
270936	201	202	7940	7	1.53	13	2380	44	286	0.27	67	< 10	166			
270937	201	202	2600	4	0.67	32	5600	100	85	0.40	85	< 10	98			
270938	201	202	1440	4	1.59	17	2410	44	319	0.32	73	< 10	72			
270939	201	202	2310	3	1.43	19	2310	40	263	0.33	88	< 10	108			

CERTIFICATION: Stan Bidder

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 :
Comments: ATTN: DAVID TERRY

Page Number :5-A
Total Pages :5
Certificate Date: 28-AUG-96
Invoice No. :I9627829
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9627829

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)
270940	201	202	< 5	0.6	5.14	1670	1.5	< 2	0.71	0.5	11	61	51	3.59	1.95	0.82
270941	201	202	< 5	0.4	5.20	2230	1.5	< 2	0.69	3.5	20	61	43	3.39	1.81	0.67
270942	201	202	< 5	0.6	6.11	1580	1.5	< 2	0.56	2.5	22	75	48	3.78	2.13	0.75
270943	201	202	< 5	1.2	5.51	1060	1.5	< 2	1.14	1.5	15	24	40	1.93	1.58	0.49
270944	201	202	< 5	0.4	5.53	1560	1.5	< 2	0.64	0.5	10	53	36	2.85	2.20	0.62
270945	201	202	< 5	0.8	6.36	1340	1.5	< 2	0.47	0.5	9	62	35	3.22	2.43	0.66
270946	201	202	< 5	< 0.2	6.25	1230	1.5	< 2	0.63	< 0.5	7	55	30	2.59	2.38	0.72
270947	201	202	< 5	0.4	7.08	900	1.5	< 2	1.58	< 0.5	7	11	24	1.86	2.11	0.55
270948	201	202	< 5	0.6	6.96	890	1.5	< 2	1.58	0.5	8	12	39	2.17	1.98	0.65
270949	201	202	< 5	0.2	5.48	1090	1.5	< 2	0.94	< 0.5	11	32	36	2.25	1.73	0.59
270950	201	202	< 5	0.4	6.12	1090	1.5	< 2	0.91	< 0.5	8	45	32	2.43	1.87	0.62
270951	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270952	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270953	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270954	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270955	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270956	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270957	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270958	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270959	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270960	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270961	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270962	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270963	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270964	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270965	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270966	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270967	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270968	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270969	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270970	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270971	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270972	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270973	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270974	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270975	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
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270977	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270978	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
270979	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd

CERTIFICATION: Ian Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

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

A9627252

Comments: ATTN: DAVID TERRY

CERTIFICATE A9627252

(GP W) - WESTMIN RESOURCES LTD.

Project: 6408
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 17-AUG-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
241	197	RUSH: Dry, sieve to -80 mesh
202	197	save reject
285	197	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	190	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	197	Ag ppm: 24 element, rock & core	AAS	0.2	200
573	197	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	197	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	197	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	197	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	197	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	197	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	197	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	197	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	197	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	197	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	197	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	197	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	197	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	197	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	197	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	197	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	197	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	197	Pb ppm: 24 element, rock & core	AAS	2	10000
582	197	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	197	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	197	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	197	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	197	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

Chemex Labs Ltd.

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

Project :
Comments: ATTN: DAVID TERRY

Page .ber :5-B
Total Pages :5
Certificate Date: 28-AUG-96
Invoice No. :I9627829
P.O. Number :
Account :GP W

CERTIFICATE OF ANALYSIS A9627829

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)			
270940	201	202	1450	3	1.06	28	2170	24	125	0.55	125	< 10	144			
270941	201	202	6790	5	0.99	25	2310	36	129	0.57	132	< 10	216			
270942	201	202	3630	3	0.96	26	2240	110	117	0.49	129	< 10	212			
270943	201	202	1645	3	1.63	15	3630	62	322	0.24	57	< 10	62			
270944	201	202	2270	5	1.02	20	1510	46	122	0.41	102	< 10	148			
270945	201	202	505	4	1.09	28	1640	60	104	0.53	122	< 10	132			
270946	201	202	440	3	1.29	18	730	44	148	0.43	98	< 10	108			
270947	201	202	675	3	2.53	4	1100	14	492	0.23	46	< 10	52			
270948	201	202	535	1	2.35	10	1820	20	465	0.25	56	< 10	54			
270949	201	202	1220	2	1.49	17	2150	20	255	0.31	73	< 10	68			
270950	201	202	520	1	1.54	16	2070	22	253	0.37	86	< 10	72			
270951	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270952	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270953	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270954	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270955	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270956	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
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270958	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
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270960	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
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270962	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270963	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
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270965	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
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270967	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
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270970	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270971	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270972	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270973	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270974	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270975	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270976	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270977	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270978	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
270979	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			

CERTIFICATION:

Chemex Labs Ltd.

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Project : 6408
Comments: ATTN: DAVID TERRY

Page Number : 1-A
Total Pages : 5
Certificate Date: 17-AUG-96
Invoice No. : I9627252
P.O. Number :
Account : GP W

*PLEASE NOTE

CERTIFICATE OF ANALYSIS A9627252

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)
TY 5100E 4500N	241 202	< 5	0.6	8.22	1850	2.5	< 2	0.32	< 0.5	18	39	61	4.50	3.94	1.03
TY 5200E 4225N	241 202	< 5	0.4	7.33	940	1.5	< 2	1.53	< 0.5	7	19	20	2.36	2.47	0.77
TY 5200E 4250N	241 202	< 5	< 0.2	7.55	1050	1.5	< 2	1.30	< 0.5	7	27	15	2.26	2.64	0.89
TY 5200E 4275N	241 202	< 5	< 0.2	7.38	1170	1.5	< 2	0.88	< 0.5	9	38	18	3.58	3.01	1.22
TY 5200E 4300N	241 202	< 5	< 0.2	7.10	1000	1.5	< 2	0.45	< 0.5	2	36	11	1.41	2.37	0.58
TY 5200E 4325N	241 202	< 5	< 0.2	7.04	1470	2.0	< 2	0.36	< 0.5	8	122	44	2.56	2.99	0.74
TY 5200E 4350N	241 202	< 5	< 0.2	7.55	1850	2.0	< 2	0.26	0.5	8	47	40	3.15	3.37	0.84
TY 5200E 4375N	241 202	< 5	< 0.2	8.19	2020	2.0	< 2	0.35	< 0.5	12	45	69	4.75	3.58	1.00
TY 5200E 4400N	241 202	< 5	< 0.2	8.25	1540	2.0	< 2	0.22	< 0.5	6	17	26	2.62	4.01	0.73
TY 5200E 4425N	241 202	< 5	< 0.2	9.46	1970	2.0	< 2	0.11	< 0.5	6	33	31	3.32	4.01	1.06
TY 5200E 4450N	241 202	< 5	0.4	9.50	2780	2.5	< 2	0.11	< 0.5	7	43	49	4.70	4.87	1.14
TY 5200E 4475N	241 202	< 5	0.8	7.56	1550	2.0	< 2	0.41	0.5	22	26	73	4.73	3.38	0.90
TY 5200E 4500N	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TY 5200E 4525N	241 202	< 5	1.0	8.60	1540	2.0	< 2	0.69	1.0	14	19	38	3.47	4.01	0.87
TY 5200E 4550N	241 202	< 5	1.2	8.16	1370	1.5	< 2	1.30	0.5	8	28	28	3.34	3.24	0.94
TY 5200E 4575N	241 202	< 5	0.4	8.73	1670	2.0	< 2	0.88	< 0.5	12	43	35	4.24	4.16	1.35
TY 5200E 4600N	241 202	< 5	< 0.2	8.22	1610	2.0	< 2	0.31	< 0.5	5	26	29	3.94	3.63	0.83
TY 5200E 4625N	241 202	< 5	0.8	7.40	1140	1.5	< 2	0.88	< 0.5	7	27	28	2.63	2.62	0.79
TY 5200E 4650N	241 202	< 5	0.6	7.75	1310	1.5	< 2	0.58	< 0.5	6	40	26	2.58	2.89	0.87
TY 5200E 4675N	241 202	< 5	0.4	8.11	2200	2.0	< 2	0.28	< 0.5	11	75	59	5.02	3.61	1.11
TY 5200E 4700N	241 202	< 5	1.2	7.63	1400	1.5	< 2	0.80	< 0.5	14	40	41	3.39	2.86	0.96
TY 5200E 4725N	241 202	< 5	1.2	6.99	1220	1.5	< 2	1.27	0.5	14	42	61	3.24	2.63	0.90
TY 5200E 4750N	241 202	< 5	0.6	5.94	1010	1.5	< 2	1.35	0.5	12	35	49	2.99	2.20	0.69
TY 5200E 4775N	241 202	< 5	0.4	7.05	1350	1.5	< 2	1.01	< 0.5	12	37	39	3.87	2.88	0.95
TY 5200E 4800N	241 202	< 5	0.4	7.68	1420	1.5	< 2	0.45	< 0.5	11	47	31	3.99	3.24	0.92
TY 5200E 4825N	241 202	< 5	0.2	7.02	1120	1.5	< 2	0.70	< 0.5	5	29	15	1.77	2.53	0.62
TY 5200E 4850N	241 202	< 5	0.2	6.59	1360	1.5	< 2	0.33	< 0.5	12	45	37	4.37	2.78	0.73
TY 5200E 4875N	241 202	< 5	0.4	5.95	1080	1.5	< 2	0.66	< 0.5	6	37	26	2.51	2.27	0.83
TY 5200E 4900N	241 202	< 5	1.6	7.34	1230	1.5	< 2	0.78	< 0.5	7	66	45	3.18	2.56	1.04
TY 5200E 4925N	241 202	< 5	1.2	7.10	1250	1.5	< 2	0.57	< 0.5	10	43	41	3.24	2.62	0.74
TY 5200E 4950N	241 202	< 5	0.6	7.01	1250	1.5	< 2	0.90	0.5	17	52	51	4.19	2.80	1.05
TY 5200E 4975N	241 202	< 5	0.4	6.63	1280	1.5	< 2	0.91	0.5	13	54	39	3.54	2.77	1.04
TY 5200E 5000N	241 202	< 5	0.8	7.34	1370	1.5	< 2	0.98	0.5	15	68	63	4.32	3.00	1.32
TY 6200E 3900N	241 202	< 5	< 0.2	7.53	1160	1.5	< 2	0.55	< 0.5	3	25	46	1.40	2.44	0.60
TY 6200E 3925N	241 202	< 5	< 0.2	7.95	1440	1.5	< 2	0.30	< 0.5	5	33	141	1.78	2.67	0.67
TY 6200E 3950N	241 202	< 5	< 0.2	8.00	1050	1.5	< 2	0.36	< 0.5	6	35	96	2.77	2.48	0.80
TY 6200E 3975N	241 202	< 5	< 0.2	9.38	1290	1.5	< 2	0.17	< 0.5	5	30	59	2.58	3.20	0.69
TY 6200E 4000N	241 202	< 5	< 0.2	8.84	1170	1.5	< 2	0.25	< 0.5	6	32	73	2.52	2.86	0.75
TY 6200E 4025N	241 202	15	0.8	8.93	1100	1.5	< 2	0.49	< 0.5	4	28	140	1.54	2.60	0.56
TY 6200E 4050N	241 202	45	0.4	8.25	990	1.0	< 2	0.19	< 0.5	4	28	126	1.82	2.58	0.49

CERTIFICATION: Hart Bichler

*INTERFERENCE: Cu ON Bi AND P.

Chemex Labs Ltd.

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

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

Project : 6408
Comments: ATTN: DAVID TERRY

Certificate Date: 17-AUG-96
Invoice No. :I9627252
P.O. Number :
Account :GP W

*PLEASE NOTE

CERTIFICATE OF ANALYSIS A9627252

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)			
TY 5100E 4500N	241	202	780	4	0.67	20	580	86	90	0.34	93	< 10	154			
TY 5200E 4225N	241	202	505	3	2.40	8	570	18	451	0.30	71	< 10	50			
TY 5200E 4250N	241	202	390	< 1	2.21	8	630	16	368	0.32	72	< 10	46			
TY 5200E 4275N	241	202	495	1	1.66	11	850	30	215	0.38	91	< 10	60			
TY 5200E 4300N	241	202	210	1	1.22	6	690	16	145	0.44	83	< 10	34			
TY 5200E 4325N	241	202	280	14	1.04	56	500	20	110	0.37	248	< 10	70			
TY 5200E 4350N	241	202	295	5	0.99	23	680	40	78	0.37	122	< 10	102			
TY 5200E 4375N	241	202	470	7	0.91	30	690	88	91	0.35	121	< 10	150			
TY 5200E 4400N	241	202	265	8	1.20	13	560	32	102	0.28	73	< 10	78			
TY 5200E 4425N	241	202	310	11	0.86	10	320	40	58	0.32	105	< 10	76			
TY 5200E 4450N	241	202	305	8	0.54	15	780	102	133	0.37	121	< 10	106			
TY 5200E 4475N	241	202	865	7	0.74	34	1220	120	106	0.29	72	< 10	186			
TY 5200E 4500N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
TY 5200E 4525N	241	202	690	6	0.67	12	720	64	153	0.21	55	< 10	126			
TY 5200E 4550N	241	202	490	5	1.48	6	880	68	319	0.25	74	< 10	94			
TY 5200E 4575N	241	202	580	5	1.11	10	590	54	209	0.33	95	< 10	114			
TY 5200E 4600N	241	202	345	9	0.89	11	900	76	117	0.33	79	< 10	70			
TY 5200E 4625N	241	202	390	5	1.52	9	870	36	267	0.28	71	< 10	66			
TY 5200E 4650N	241	202	310	7	1.05	10	870	32	174	0.32	114	< 10	64			
TY 5200E 4675N	241	202	855	8	1.07	34	1190	60	83	0.40	289	< 10	132			
TY 5200E 4700N	241	202	1185	5	1.32	15	1560	40	199	0.26	95	< 10	72			
TY 5200E 4725N	241	202	855	4	1.27	19	1650	28	253	0.24	88	< 10	96			
TY 5200E 4750N	241	202	715	3	1.18	16	1190	44	254	0.22	70	< 10	94			
TY 5200E 4775N	241	202	775	5	1.15	15	1160	56	194	0.27	85	< 10	108			
TY 5200E 4800N	241	202	505	9	1.08	15	800	68	145	0.30	119	< 10	90			
TY 5200E 4825N	241	202	275	3	1.59	6	650	22	210	0.32	82	< 10	44			
TY 5200E 4850N	241	202	435	8	0.87	22	970	58	110	0.29	118	< 10	76			
TY 5200E 4875N	241	202	385	3	1.04	12	850	30	145	0.36	85	< 10	70			
TY 5200E 4900N	241	202	450	4	1.24	21	1410	36	185	0.40	109	< 10	86			
TY 5200E 4925N	241	202	650	5	1.17	13	1030	64	179	0.27	99	< 10	90			
TY 5200E 4950N	241	202	1100	4	0.99	23	1130	76	172	0.30	97	< 10	134			
TY 5200E 4975N	241	202	715	4	0.90	24	1090	54	149	0.34	102	< 10	132			
TY 5200E 5000N	241	202	825	4	0.93	35	1170	64	162	0.36	114	< 10	160			
TY 6200E 3900N	241	202	245	2	1.58	3	360	8	199	0.32	68	< 10	40			
TY 6200E 3925N	241	202	240	7	1.46	1	220	10	120	0.36	90	< 10	50			
TY 6200E 3950N	241	202	285	9	1.12	8	410	22	117	0.31	101	< 10	60			
TY 6200E 3975N	241	202	255	8	0.93	6	230	16	79	0.28	80	< 10	62			
TY 6200E 4000N	241	202	285	11	1.13	6	410	8	102	0.29	105	< 10	56			
TY 6200E 4025N	241	202	215	7	1.41	2	590	20	203	0.25	91	< 10	34			
TY 6200E 4050N	241	202	200	13	1.20	4	380	30	101	0.23	95	< 10	48			

CERTIFICATION: Hank Ratcliffe

*INTERFERENCE: Cu ON Bi AND P.

Chemex Labs Ltd.

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

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

Project : 6408
Comments: ATTN: DAVID TERRY

Page Number :2-A
Total Pages :5
Certificate Date: 17-AUG-96
Invoice No. :I9627252
P.O. Number :
Account :GP W

*PLEASE NOTE

CERTIFICATE OF ANALYSIS A9627252

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)
TY 6200E 4075N	241	202	20	1.6	7.94	970	0.5	< 2	0.99	< 0.5	5	27	42	1.44	2.32	0.44
TY 6200E 4100N	241	202	50	< 0.2	9.94	900	0.5	< 2	0.20	< 0.5	6	32	120	1.43	2.87	0.29
TY 6200E 4125N	241	202	90	0.6	11.75	1330	1.5	< 2	0.17	< 0.5	7	63	562	3.17	4.27	0.52
TY 6200E 4150N	241	202	65	0.4	6.92	750	0.5	< 2	0.19	< 0.5	3	35	70	0.60	1.97	0.23
TY 6200E 4175N	241	202	5	0.2	8.47	1230	1.0	< 2	0.21	< 0.5	7	38	95	3.79	2.64	0.79
TY 6200E 4200N	241	202	< 5	< 0.2	8.28	1070	0.5	< 2	0.74	< 0.5	7	54	28	2.25	2.19	0.82
TY 6200E 4225N	241	202	15	< 0.2	8.90	1810	2.0	< 2	0.10	0.5	65	67	236	6.12	3.11	1.14
TY 6200E 4250N	241	202	10	0.4	10.35	6090	2.0	< 2	0.13	< 0.5	6	44	66	4.07	3.88	1.22
TY 6200E 4275N	241	202	145	1.4	10.05	1610	0.5	< 2	0.08	< 0.5	6	45	127	4.81	2.87	0.50
TY 6200E 4300N	241	202	70	0.4	7.94	4050	1.0	< 2	0.10	< 0.5	7	34	93	3.93	2.79	0.71
TY 6200E 4325N	241	202	10	0.2	9.86	2560	1.0	< 2	0.12	< 0.5	6	68	113	3.63	3.15	0.60
TY 6200E 4350N	241	202	5	1.0	9.08	2310	1.5	< 2	0.67	< 0.5	10	48	246	4.09	3.04	0.83
TY 6200E 4375N	241	202	50	0.4	9.77	3310	1.5	< 2	0.34	0.5	12	58	467	4.19	3.27	0.96
TY 6200E 4400N	241	202	< 5	0.2	8.48	1800	0.5	< 2	0.51	< 0.5	3	71	104	7.91	2.82	1.18
TY 6200E 4425N	241	202	< 5	< 0.2	8.11	1380	1.0	< 2	0.71	< 0.5	3	62	14	4.10	2.47	1.13
TY 6200E 4450N	241	202	< 5	0.6	8.24	1290	1.0	< 2	0.64	< 0.5	3	57	13	2.96	2.64	0.88
TY 6200E 4475N	241	202	< 5	0.4	7.69	1180	0.5	< 2	0.53	< 0.5	3	72	55	8.29	2.47	1.14
TY 6200E 4500N	241	202	< 5	< 0.2	9.06	1290	1.5	< 2	0.54	< 0.5	3	64	93	4.57	3.30	1.70
TY 6200E 4525N	241	202	25	1.4	9.30	1400	0.5	10	0.96	< 0.5	5	123	35	8.20	2.70	1.89
TY 6600E 3800N	241	202	10	1.0	10.35	2250	2.0	< 2	0.13	< 0.5	6	57	206	6.60	3.86	1.24
TY 6600E 3825N	241	202	< 5	< 0.2	9.05	1950	1.5	6	0.24	0.5	10	57	259	7.05	3.26	1.49
TY 6600E 3850N	241	202	< 5	1.6	8.94	1980	1.5	2	0.29	< 0.5	4	36	62	3.63	3.44	0.93
TY 6600E 3875N	241	202	< 5	0.6	10.25	2480	2.0	4	0.09	< 0.5	4	29	72	4.48	4.23	1.06
TY 6600E 3900N	241	202	< 5	0.6	8.75	1700	1.5	< 2	0.69	< 0.5	5	28	63	3.24	3.09	0.88
TY 6600E 3925N	241	202	< 5	0.2	7.52	1060	1.0	< 2	0.32	< 0.5	8	45	89	2.90	2.09	0.72
TY 6600E 3950N	241	202	< 5	< 0.2	7.85	1260	1.5	< 2	0.50	< 0.5	7	49	114	3.72	2.34	0.85
TY 6600E 3975N	241	202	< 5	0.2	8.45	1150	1.0	< 2	0.36	< 0.5	7	56	142	3.79	2.33	0.76
TY 6600E 4000N	241	202	< 5	< 0.2	8.02	1570	1.5	< 2	0.22	0.5	9	67	249	5.61	2.62	1.13
TY 6600E 4025N	241	202	< 5	0.4	7.52	1340	1.5	< 2	0.38	< 0.5	14	68	125	5.61	2.26	1.00
TY 6600E 4050N	241	202	< 5	< 0.2	8.66	1960	1.5	< 2	0.35	< 0.5	5	43	68	3.35	2.74	0.87
TY 6600E 4075N	241	202	< 5	< 0.2	7.43	1300	1.5	< 2	0.23	< 0.5	9	38	41	3.25	2.41	0.77
TY 6600E 4100N	241	202	< 5	< 0.2	6.99	1240	1.0	< 2	0.45	< 0.5	9	38	63	3.63	2.18	0.67
TY 6600E 4125N	241	202	< 5	< 0.2	8.17	1670	1.5	< 2	0.31	0.5	10	56	82	4.56	2.63	0.85
TY 6600E 4150N	241	202	< 5	< 0.2	7.95	1380	1.5	< 2	0.25	< 0.5	5	39	27	2.94	2.35	0.75
TY 6600E 4175N	241	202	< 5	< 0.2	8.20	1480	1.5	< 2	0.21	0.5	6	34	49	3.05	2.74	0.78
TY 6600E 4200N	241	202	< 5	0.4	8.05	1560	1.0	< 2	0.21	0.5	7	45	104	4.49	2.59	0.91
TY 6600E 4225N	241	202	120	0.6	7.16	1330	0.5	< 2	0.13	0.5	23	46	100	5.66	1.89	0.64
TY 6600E 4250N	241	202	< 5	0.6	7.26	1390	1.0	< 2	0.32	1.5	47	45	118	4.64	2.10	0.67
TY 6600E 4275N	241	202	< 5	< 0.2	7.28	1580	1.0	< 2	0.15	0.5	40	54	169	5.62	2.26	0.85
TY 6600E 4300N	241	202	< 5	0.2	7.25	1240	0.5	< 2	0.62	0.5	17	68	150	7.49	1.90	1.41

CERTIFICATION: Hart Bichler

*INTERFERENCE: Cu ON Bi AND P.

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CERTIFICATE OF ANALYSIS A9627252

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)
TY 6200E 4075N	241 202	245	12	1.92	3	460	20	346	0.20	98	< 10	38
TY 6200E 4100N	241 202	120	34	0.75	< 1	450	8	129	0.10	155	< 10	70
TY 6200E 4125N	241 202	170	51	0.58	6	1120	20	106	0.13	218	< 10	86
TY 6200E 4150N	241 202	100	3	0.62	< 1	290	14	110	0.12	114	< 10	20
TY 6200E 4175N	241 202	395	19	0.93	7	480	32	90	0.30	129	< 10	86
TY 6200E 4200N	241 202	340	6	1.01	6	270	14	183	0.35	129	< 10	56
TY 6200E 4225N	241 202	3010	9	0.62	32	940	170	88	0.31	130	< 10	206
TY 6200E 4250N	241 202	450	11	0.88	7	700	88	93	0.33	120	< 10	100
TY 6200E 4275N	241 202	200	29	0.51	9	1600	52	141	0.15	197	< 10	116
TY 6200E 4300N	241 202	380	21	0.70	6	780	80	102	0.28	111	< 10	112
TY 6200E 4325N	241 202	285	29	0.41	10	1080	70	100	0.21	185	< 10	174
TY 6200E 4350N	241 202	735	19	1.25	8	1010	88	241	0.25	131	< 10	136
TY 6200E 4375N	241 202	1165	37	0.54	18	950	38	118	0.27	151	< 10	190
TY 6200E 4400N	241 202	360	13	0.83	6	730	14	113	0.29	146	< 10	80
TY 6200E 4425N	241 202	325	9	1.05	8	370	16	143	0.32	151	< 10	68
TY 6200E 4450N	241 202	280	8	1.07	5	550	60	139	0.33	165	< 10	56
TY 6200E 4475N	241 202	335	18	0.86	5	1030	54	121	0.34	144	< 10	70
TY 6200E 4500N	241 202	385	9	1.09	6	610	32	116	0.39	187	< 10	78
TY 6200E 4525N	241 202	690	8	1.02	9	780	190	177	0.49	210	< 10	188
TY 6600E 3800N	241 202	480	17	0.55	9	1010	94	71	0.32	151	< 10	110
TY 6600E 3825N	241 202	840	16	0.55	24	1320	104	71	0.43	150	< 10	124
TY 6600E 3850N	241 202	325	6	0.69	7	780	60	112	0.25	87	< 10	70
TY 6600E 3875N	241 202	360	9	0.54	4	780	90	68	0.27	91	< 10	82
TY 6600E 3900N	241 202	415	6	1.20	8	1000	70	210	0.24	75	< 10	80
TY 6600E 3925N	241 202	305	11	0.89	11	550	32	78	0.32	112	< 10	80
TY 6600E 3950N	241 202	400	10	1.03	14	710	44	135	0.32	114	< 10	80
TY 6600E 3975N	241 202	340	17	0.82	11	660	24	78	0.35	153	< 10	110
TY 6600E 4000N	241 202	555	12	0.64	23	900	48	68	0.32	129	< 10	114
TY 6600E 4025N	241 202	660	10	0.68	24	2540	40	99	0.40	179	< 10	100
TY 6600E 4050N	241 202	410	8	0.95	9	870	32	113	0.32	114	< 10	68
TY 6600E 4075N	241 202	430	4	1.06	16	740	24	86	0.35	110	< 10	82
TY 6600E 4100N	241 202	505	7	1.03	18	790	36	147	0.31	109	< 10	90
TY 6600E 4125N	241 202	525	9	0.78	15	870	28	92	0.37	126	< 10	86
TY 6600E 4150N	241 202	400	8	0.96	10	460	24	82	0.36	107	< 10	62
TY 6600E 4175N	241 202	350	8	0.96	10	690	20	82	0.32	100	< 10	80
TY 6600E 4200N	241 202	410	11	0.77	15	570	46	67	0.32	109	< 10	84
TY 6600E 4225N	241 202	1585	16	0.67	33	1050	32	105	0.29	119	< 10	146
TY 6600E 4250N	241 202	7010	17	0.82	28	1400	64	148	0.31	113	< 10	142
TY 6600E 4275N	241 202	4740	19	0.54	38	950	78	112	0.28	111	< 10	182
TY 6600E 4300N	241 202	1190	11	0.92	42	1970	48	138	0.72	150	< 10	154

CERTIFICATION:

*INTERFERENCE: Cu ON Bi AND P.

Chemex Labs Ltd.

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

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

Project : 6408
Comments: ATTN: DAVID TERRY

Page Number : 3-A
Total Pages : 5
Certificate Date: 17-AUG-96
Invoice No. : I9627252
P.O. Number :
Account : GP W

*PLEASE NOTE

CERTIFICATE OF ANALYSIS A9627252

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)
TY 6600E 4325N	241 202	5	< 0.2	8.71	1500	1.5	< 2	0.34	< 0.5	5	44	34	1.87	2.47	0.83
TY 6600E 4350N	241 202	< 5	0.4	7.69	1490	1.0	< 2	0.78	< 0.5	10	80	97	4.26	2.65	1.43
TY 6600E 4375N	241 202	5	< 0.2	8.51	1540	1.5	< 2	0.51	< 0.5	9	90	171	5.42	2.98	1.33
TY 6600E 4400N	241 202	< 5	< 0.2	8.17	1580	1.5	< 2	0.80	< 0.5	6	63	85	3.35	2.82	1.18
TY 6600E 4425N	241 202	< 5	< 0.2	7.92	1630	1.5	< 2	0.50	< 0.5	6	42	136	2.88	2.53	0.91
TY 6600E 4450N	241 202	< 5	< 0.2	7.30	1470	1.5	< 2	1.05	0.5	8	20	53	2.54	2.35	0.67
TY 6600E 4475N	241 202	5	< 0.2	9.39	2160	2.0	< 2	0.39	< 0.5	13	43	43	3.90	3.56	1.10
TY 6600E 4500N	241 202	< 5	< 0.2	8.64	1700	1.5	< 2	1.15	< 0.5	10	35	76	2.67	2.89	0.98
TY 6600E 4525N	241 202	20	< 0.2	8.24	1580	1.5	< 2	0.71	0.5	11	54	233	3.93	2.75	1.32
TY 6800E 3800N	241 202	10	< 0.2	9.74	3000	2.5	< 2	0.26	< 0.5	11	22	926	4.67	4.02	1.33
TY 6800E 3825N	241 202	< 5	< 0.2	8.29	1790	1.5	< 2	0.44	0.5	10	25	195	3.61	3.00	1.00
TY 6800E 3850N	241 202	< 5	< 0.2	7.50	1660	1.5	< 2	0.49	< 0.5	11	22	165	2.90	2.61	0.88
TY 6800E 3875N	241 202	35	1.2	10.55	2070	1.5	< 2	0.14	0.5	5	71	158	6.56	3.69	1.60
TY 6800E 3900N	241 202	10	0.2	8.07	1430	1.0	< 2	0.26	< 0.5	5	41	109	5.11	2.63	0.95
TY 6800E 3925N	241 202	< 5	0.2	9.18	1850	1.0	< 2	0.15	0.5	4	45	116	5.99	3.29	1.19
TY 6800E 3950N	241 202	< 5	< 0.2	7.51	1390	0.5	< 2	1.25	0.5	5	37	154	4.32	2.49	1.14
TY 6800E 3975N	241 202	15	< 0.2	9.76	1850	1.5	< 2	0.23	< 0.5	5	44	160	4.66	3.26	1.17
TY 6800E 4000N	241 202	20	0.2	9.35	1740	1.5	< 2	0.19	< 0.5	4	49	187	5.18	3.15	1.11
TY 6800E 4025N	241 202	< 5	1.2	8.19	1320	1.5	< 2	0.63	< 0.5	3	33	99	2.19	2.44	0.70
TY 6800E 4050N	241 202	5	1.0	6.95	1050	0.5	< 2	0.62	< 0.5	4	37	103	2.79	2.03	0.66
TY 6800E 4075N	241 202	5	< 0.2	8.07	1400	0.5	< 2	0.25	< 0.5	5	43	142	5.24	2.39	0.91
TY 6800E 4100N	241 202	15	< 0.2	9.01	2010	1.5	< 2	0.13	< 0.5	7	37	280	5.83	3.52	1.13
TY 6800E 4125N	241 202	< 5	< 0.2	8.04	1800	0.5	< 2	0.23	< 0.5	10	45	130	7.18	2.80	1.00
TY 6800E 4150N	241 202	< 5	< 0.2	7.79	1420	1.0	< 2	0.17	< 0.5	9	64	173	5.86	2.44	1.09
TY 6800E 4175N	241 202	< 5	< 0.2	7.81	1650	1.5	< 2	0.23	< 0.5	11	55	109	4.88	2.48	0.95
TY 6800E 4200N	241 202	< 5	< 0.2	8.25	1290	1.0	< 2	0.30	< 0.5	9	49	180	4.88	2.82	0.97
TY 6800E 4225N	241 202	< 5	< 0.2	8.01	1330	1.0	< 2	0.39	< 0.5	22	69	177	5.43	2.57	1.16
TY 6800E 4250N	241 202	< 5	< 0.2	7.68	1480	1.0	< 2	0.25	< 0.5	13	57	116	5.99	2.57	1.12
TY 6800E 4275N	241 202	< 5	< 0.2	7.32	1290	1.0	< 2	0.52	< 0.5	8	55	104	3.81	2.37	1.05
TY 6800E 4300N	241 202	40	< 0.2	5.77	1160	0.5	< 2	1.40	1.0	21	27	1425	3.15	1.85	0.92
TY 6800E 4325N	241 202	15	0.4	7.53	1480	1.0	< 2	0.87	1.0	19	43	264	3.78	2.36	0.92
TY 6800E 4350N	241 202	50	0.6	9.93	1040	0.5	< 2	0.16	< 0.5	5	51	123	2.65	2.76	1.23
TY 6800E 4375N	241 202	70	0.6	9.78	1190	0.5	< 2	0.21	< 0.5	5	42	101	2.55	2.73	0.92
TY 6800E 4400N	241 202	50	0.6	7.36	970	0.5	< 2	0.47	< 0.5	5	31	288	1.77	1.92	0.58
TY 6800E 4425N	241 202	40	1.0	8.32	1270	1.0	< 2	0.38	< 0.5	39	38	765	3.39	2.36	0.72
TY 6800E 4450N	241 202	40	1.0	8.66	1240	0.5	< 2	0.18	< 0.5	34	42	629	5.63	2.66	0.87
TY 6800E 4475N	241 202	40	0.8	8.42	1190	0.5	< 2	0.28	< 0.5	16	41	383	5.14	2.75	0.87
TY 6800E 4500N	241 202	45	2.2	8.01	1210	0.5	< 2	0.45	< 0.5	5	46	326	4.21	2.46	0.84
TY 6800E 4525N	241 202	35	1.4	9.27	1390	1.5	< 2	0.46	< 0.5	7	54	259	3.87	3.29	1.25
TY 7000E 3800N	241 202	< 5	< 0.2	7.98	1700	1.0	< 2	0.35	< 0.5	6	35	182	3.92	2.55	0.79

CERTIFICATION: Stuart Bichler

*INTERFERENCE: Cu ON Bi AND P.

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To: WESTMIN RESOURCES LTD.
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V7X 1C4

Project : 6408
Comments: ATTN: DAVID TERRY

Certificate Date: 17-AUG-96
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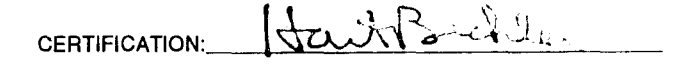
Account : GP W

*PLEASE NOTE

CERTIFICATE OF ANALYSIS A9627252

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)			
TY 6600E 4325N	241	202	330	7	1.03	9	750	26	113	0.37	120	< 10	54			
TY 6600E 4350N	241	202	750	7	0.96	18	740	46	128	0.29	133	< 10	98			
TY 6600E 4375N	241	202	560	10	0.70	17	960	70	100	0.30	147	< 10	136			
TY 6600E 4400N	241	202	445	8	1.18	16	790	44	185	0.28	118	< 10	92			
TY 6600E 4425N	241	202	305	8	1.09	12	790	26	140	0.30	97	< 10	78			
TY 6600E 4450N	241	202	925	5	1.68	15	660	26	311	0.21	59	< 10	76			
TY 6600E 4475N	241	202	1030	7	0.84	20	740	76	110	0.32	110	< 10	118			
TY 6600E 4500N	241	202	640	6	1.57	13	690	34	311	0.22	87	< 10	78			
TY 6600E 4525N	241	202	840	21	1.05	15	780	84	176	0.27	121	< 10	110			
TY 6800E 3800N	241	202	605	14	0.77	17	610	52	70	0.26	83	< 10	266			
TY 6800E 3825N	241	202	580	10	1.05	11	810	36	112	0.28	88	< 10	126			
TY 6800E 3850N	241	202	715	7	1.08	9	700	32	119	0.23	70	< 10	112			
TY 6800E 3875N	241	202	660	14	0.53	16	1190	160	78	0.31	176	< 10	112			
TY 6800E 3900N	241	202	355	13	0.77	9	1050	96	97	0.27	108	< 10	80			
TY 6800E 3925N	241	202	435	11	0.68	10	1180	116	74	0.28	123	< 10	92			
TY 6800E 3950N	241	202	480	22	0.87	7	880	32	212	0.25	127	< 10	66			
TY 6800E 3975N	241	202	380	17	0.68	8	740	80	94	0.25	122	< 10	86			
TY 6800E 4000N	241	202	365	17	0.60	8	850	76	82	0.26	133	< 10	86			
TY 6800E 4025N	241	202	265	8	1.14	3	940	28	194	0.28	94	< 10	48			
TY 6800E 4050N	241	202	295	7	1.10	4	1090	52	175	0.29	95	< 10	52			
TY 6800E 4075N	241	202	425	9	0.75	8	1030	70	82	0.32	121	< 10	86			
TY 6800E 4100N	241	202	550	11	0.86	12	1130	88	61	0.31	101	< 10	122			
TY 6800E 4125N	241	202	815	9	0.87	15	1360	120	77	0.35	116	< 10	120			
TY 6800E 4150N	241	202	650	15	0.53	31	840	72	63	0.40	136	< 10	158			
TY 6800E 4175N	241	202	675	13	0.84	22	1370	68	73	0.32	132	< 10	100			
TY 6800E 4200N	241	202	535	21	0.69	18	1100	40	77	0.33	133	< 10	102			
TY 6800E 4225N	241	202	1650	12	0.78	27	1370	88	85	0.31	129	< 10	140			
TY 6800E 4250N	241	202	745	11	0.68	26	1280	72	63	0.33	119	< 10	120			
TY 6800E 4275N	241	202	530	9	0.94	24	840	38	131	0.33	111	< 10	88			
TY 6800E 4300N	241	202	1105	14	0.59	26	980	64	123	0.16	80	< 10	160			
TY 6800E 4325N	241	202	1470	13	0.89	24	1760	68	187	0.22	107	< 10	190			
TY 6800E 4350N	241	202	325	28	0.39	19	980	48	48	0.25	189	< 10	112			
TY 6800E 4375N	241	202	285	36	0.51	12	890	28	78	0.19	174	< 10	84			
TY 6800E 4400N	241	202	215	14	0.73	9	920	20	146	0.17	107	< 10	50			
TY 6800E 4425N	241	202	895	38	0.72	16	1260	30	115	0.17	106	< 10	128			
TY 6800E 4450N	241	202	1245	54	0.48	17	1120	58	64	0.19	120	< 10	166			
TY 6800E 4475N	241	202	870	60	0.66	11	1160	62	84	0.19	113	< 10	122			
TY 6800E 4500N	241	202	320	33	0.80	11	1100	58	138	0.20	130	< 10	76			
TY 6800E 4525N	241	202	440	37	0.75	13	850	58	114	0.23	133	< 10	98			
TY 7000E 3800N	241	202	255	10	0.80	9	1020	54	115	0.31	123	< 10	86			

CERTIFICATION: 

*INTERFERENCE: Cu ON Bi AND P.

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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CERTIFICATE OF ANALYSIS A9627252

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)
TY 7000E 3825N	241 202	< 5	0.6	6.56	980	0.5	< 2	0.54	0.5	9	53	121	6.48	1.53	1.41
TY 7000E 3850N	241 202	< 5	0.2	7.07	1130	1.0	< 2	0.61	< 0.5	5	37	95	2.88	1.89	0.82
TY 7000E 3875N	241 202	10	< 0.2	7.37	1060	1.0	< 2	0.55	< 0.5	6	31	140	2.61	2.09	0.69
TY 7000E 3900N	241 202	< 5	< 0.2	8.23	1400	1.0	< 2	0.64	< 0.5	5	41	184	2.91	2.28	0.83
TY 7000E 3925N	241 202	20	0.4	8.97	1480	2.0	< 2	0.49	1.5	39	51	3950	4.74	2.51	1.35
TY 7000E 3950N	241 202	20	< 0.2	9.24	1720	1.5	< 2	0.37	4.5	90	39	4410	5.30	2.62	1.66
TY 7000E 3975N	241 202	20	< 0.2	8.08	1460	1.0	< 2	0.68	2.0	8	40	763	3.43	2.53	1.11
TY 7000E 4000N	241 202	< 5	< 0.2	11.65	1580	2.5	< 2	0.10	< 0.5	11	110	188	7.33	4.00	1.08
TY 7000E 4025N	241 202	< 5	< 0.2	10.65	1700	2.0	< 2	0.26	3.0	16	106	4050	6.02	3.88	1.22
TY 7000E 4050N	241 202	< 5	< 0.2	9.24	1690	1.5	< 2	0.20	< 0.5	6	52	193	5.34	3.15	0.98
TY 7000E 4075N	241 202	< 5	< 0.2	9.12	1740	1.5	< 2	0.19	0.5	5	49	162	7.02	3.29	1.08
TY 7000E 4100N	241 202	< 5	< 0.2	8.15	1450	1.0	< 2	0.18	0.5	6	50	141	5.83	2.74	1.00
TY 7000E 4125N	241 202	5	< 0.2	8.76	1340	1.5	< 2	0.25	< 0.5	7	33	125	4.43	2.71	0.85
TY 7000E 4150N	241 202	< 5	< 0.2	7.70	1250	1.0	< 2	0.28	< 0.5	5	46	138	4.89	2.42	0.85
TY 7000E 4175N	241 202	< 5	0.4	7.78	1460	1.0	< 2	0.25	< 0.5	6	54	160	5.97	2.61	0.97
TY 7000E 4200N	241 202	< 5	< 0.2	8.29	1640	1.5	< 2	0.21	0.5	6	57	310	5.68	3.08	0.99
TY 7000E 4225N	241 202	10	< 0.2	8.01	1370	1.5	< 2	0.40	< 0.5	5	52	103	3.63	2.73	0.86
TY 7000E 4250N	241 202	10	0.6	9.03	1540	1.0	< 2	0.66	< 0.5	5	98	147	5.89	3.08	1.38
TY 7000E 4275N	241 202	15	0.2	8.52	1280	1.0	< 2	0.38	< 0.5	6	64	187	5.85	2.66	1.19
TY 7000E 4300N	241 202	25	0.8	9.70	1610	1.5	< 2	0.27	< 0.5	7	68	355	5.19	3.61	1.51
TY 7000E 4325N	241 202	< 5	< 0.2	7.67	1010	1.0	< 2	0.86	0.5	3	103	174	5.35	2.39	1.28
TY 7000E 4350N	241 202	25	< 0.2	8.51	1580	1.5	< 2	0.90	2.0	14	80	1330	5.19	3.04	1.70
TY 7000E 4375N	241 202	< 5	0.4	9.69	2340	2.0	< 2	0.34	0.5	15	39	250	5.05	4.06	1.14
TY 7000E 4400N	241 202	< 5	0.4	8.25	1900	1.5	< 2	0.21	< 0.5	5	29	101	3.87	3.51	0.93
TY 7000E 4425N	241 202	< 5	0.6	10.40	2290	2.0	< 2	0.47	0.5	11	60	286	4.91	4.26	1.47
TY 7000E 4450N	241 202	< 5	0.4	10.50	2510	2.0	< 2	0.27	< 0.5	9	39	231	4.50	4.50	1.24
TY 7000E 4475N	241 202	35	< 0.2	9.00	1730	1.5	< 2	0.60	< 0.5	10	57	287	4.52	3.45	1.36
TY 7000E 4500N	241 202	25	< 0.2	9.46	1800	1.5	< 2	0.59	0.5	12	57	428	4.88	3.58	1.46
TY 7000E 4525N	241 202	30	< 0.2	8.35	1450	1.5	< 2	0.75	0.5	18	58	359	4.46	3.12	1.42
TY 7200E 3800N	241 202	10	1.0	9.07	1560	1.5	< 2	0.47	< 0.5	12	36	294	3.08	2.99	1.30
TY 7200E 3825N	241 202	< 5	1.4	7.73	1310	1.0	< 2	0.52	0.5	7	52	280	3.91	2.22	0.87
TY 7200E 3850N	241 202	130	0.4	8.16	1090	1.0	< 2	0.72	< 0.5	5	56	164	3.56	2.57	1.05
TY 7200E 3875N	241 202	110	0.2	7.50	950	1.0	< 2	1.39	< 0.5	5	15	53	1.58	2.28	0.54
TY 7200E 3900N	241 202	< 5	0.4	8.96	1040	1.0	< 2	1.01	< 0.5	5	68	174	3.42	2.56	1.19
TY 7200E 3925N	241 202	< 5	< 0.2	8.53	1800	1.5	< 2	0.35	< 0.5	5	44	177	3.40	2.83	0.81
TY 7200E 3950N	241 202	< 5	0.4	7.80	1080	0.5	< 2	0.44	0.5	27	55	480	5.77	2.24	1.07
TY 7200E 3975N	241 202	< 5	1.0	10.70	1390	1.5	< 2	0.10	1.5	38	10	1135	5.94	4.33	0.57
TY 7200E 4000N	241 202	< 5	0.4	8.25	1270	1.0	4	0.56	2.5	30	41	2290	5.85	2.60	1.13
TY 7200E 4025N	241 202	< 5	< 0.2	8.29	1060	1.0	6	0.51	1.5	38	43	1890	4.50	2.52	0.89
TY 7200E 4050N	241 202	15	0.2	8.60	910	3.0	Intf*	0.42	2.5	77	47	>10000	3.81	1.96	0.98

CERTIFICATION: Stuart Buchler

*INTERFERENCE: Cu ON Bi AND P.

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TY 7000E 3825N	241	202	870	8	0.79	24	2360	66	124	0.79	169	< 10	90			
TY 7000E 3850N	241	202	350	7	1.17	12	1350	32	166	0.55	131	< 10	58			
TY 7000E 3875N	241	202	275	14	1.20	10	660	20	158	0.35	123	< 10	62			
TY 7000E 3900N	241	202	205	23	0.90	11	780	22	136	0.46	192	< 10	58			
TY 7000E 3925N	241	202	1515	38	0.59	36	1400	58	93	0.25	124	< 10	206			
TY 7000E 3950N	241	202	3460	47	0.58	63	1100	50	73	0.34	174	< 10	308			
TY 7000E 3975N	241	202	450	35	0.72	21	480	22	99	0.27	145	< 10	210			
TY 7000E 4000N	241	202	640	36	0.37	22	660	28	49	0.35	209	< 10	142			
TY 7000E 4025N	241	202	1200	46	0.37	50	760	28	65	0.53	151	< 10	310			
TY 7000E 4050N	241	202	365	22	0.75	10	610	58	85	0.34	144	< 10	94			
TY 7000E 4075N	241	202	415	14	0.67	13	790	52	75	0.32	129	< 10	98			
TY 7000E 4100N	241	202	420	12	0.65	11	620	42	63	0.30	122	< 10	100			
TY 7000E 4125N	241	202	405	14	1.06	10	590	32	86	0.29	112	< 10	94			
TY 7000E 4150N	241	202	400	14	0.75	12	570	40	73	0.35	136	< 10	80			
TY 7000E 4175N	241	202	465	13	0.72	16	880	58	93	0.33	126	< 10	92			
TY 7000E 4200N	241	202	440	42	0.60	17	690	100	72	0.34	144	< 10	142			
TY 7000E 4225N	241	202	340	27	0.84	8	540	34	122	0.33	145	< 10	82			
TY 7000E 4250N	241	202	400	23	0.82	13	780	64	134	0.41	170	< 10	112			
TY 7000E 4275N	241	202	435	36	0.73	11	600	46	93	0.33	157	< 10	84			
TY 7000E 4300N	241	202	465	16	0.70	14	590	112	81	0.30	138	< 10	108			
TY 7000E 4325N	241	202	260	17	1.00	9	1040	50	175	0.45	172	< 10	52			
TY 7000E 4350N	241	202	710	24	0.76	25	890	54	122	0.29	124	< 10	234			
TY 7000E 4375N	241	202	1180	11	0.64	10	890	80	89	0.25	94	< 10	144			
TY 7000E 4400N	241	202	485	8	0.67	7	610	70	75	0.25	73	< 10	92			
TY 7000E 4425N	241	202	855	14	0.71	14	970	90	96	0.26	118	< 10	162			
TY 7000E 4450N	241	202	640	11	0.64	11	700	84	83	0.26	93	< 10	140			
TY 7000E 4475N	241	202	680	15	0.79	14	830	76	112	0.29	110	< 10	152			
TY 7000E 4500N	241	202	745	20	0.82	16	900	80	115	0.28	124	< 10	170			
TY 7000E 4525N	241	202	990	18	0.80	14	810	80	107	0.25	113	< 10	164			
TY 7200E 3800N	241	202	365	16	0.73	15	970	20	123	0.25	135	< 10	66			
TY 7200E 3825N	241	202	440	17	0.81	15	1600	40	151	0.27	147	< 10	82			
TY 7200E 3850N	241	202	270	32	0.95	10	750	24	175	0.30	144	< 10	60			
TY 7200E 3875N	241	202	315	5	2.28	3	450	12	442	0.18	49	< 10	44			
TY 7200E 3900N	241	202	275	34	0.79	10	940	26	149	0.38	181	< 10	50			
TY 7200E 3925N	241	202	215	17	0.79	9	690	44	117	0.35	154	< 10	74			
TY 7200E 3950N	241	202	2770	43	0.84	18	1140	64	125	0.31	143	< 10	104			
TY 7200E 3975N	241	202	1800	47	0.38	8	560	212	60	0.16	67	< 10	330			
TY 7200E 4000N	241	202	1590	48	0.69	24	810	40	118	0.24	132	< 10	366			
TY 7200E 4025N	241	202	1265	32	0.92	33	840	80	154	0.26	122	< 10	246			
TY 7200E 4050N	241	202	2190	30	0.61	49	Intf*	36	90	0.23	106	< 10	218			

CERTIFICATION: Ivan Bonelli

*INTERFERENCE: Cu ON Bi AND P.

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Project : 6408
Comments: ATTN: DAVID TERRY

Certificate Date: 17-AUG-96
Invoice No. : I9627252
P.O. Number :
Account : GP W

*PLEASE NOTE

CERTIFICATE OF ANALYSIS A9627252

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)
TY 7200E 4075N	241 202	< 5	< 0.2	7.49	1090	1.0	< 2	0.57	< 0.5	6	61	605	4.01	2.04	1.04
TY 7200E 4100N	241 202	20	< 0.2	8.89	1020	1.5	< 2	0.50	1.5	21	67	5200	4.55	2.38	1.37
TY 7200E 4125N	241 202	10	< 0.2	8.06	1050	1.5	< 2	0.73	1.0	25	60	3940	4.02	2.25	1.23
TY 7200E 4150N	241 202	< 5	< 0.2	7.96	1250	1.0	< 2	1.03	2.0	16	58	2880	3.64	2.36	1.03
TY 7200E 4175N	241 202	not/ss	< 0.2	5.64	920	0.5	< 2	1.56	5.0	11	37	5230	2.39	1.56	0.80
TY 7200E 4200N	241 202	< 5	< 0.2	9.49	1270	1.5	< 2	0.96	< 0.5	4	33	194	2.82	2.68	0.80
TY 7200E 4225N	241 202	50	2.6	8.71	1200	1.5	< 2	0.97	2.5	129	23	1975	5.95	2.87	0.98
TY 7200E 4250N	241 202	20	1.6	9.08	1270	1.5	< 2	1.20	1.5	25	42	2640	3.95	2.95	1.16
TY 7200E 4275N	241 202	< 5	< 0.2	7.55	960	1.0	< 2	1.60	< 0.5	7	18	470	1.98	2.26	0.74
TY 7200E 4300N	241 202	25	< 0.2	9.06	1410	1.5	< 2	0.87	1.0	26	78	1835	5.15	3.29	1.69
TY 7200E 4325N	241 202	15	< 0.2	9.29	1730	2.0	< 2	0.58	< 0.5	10	75	1625	4.15	3.36	1.79
TY 7200E 4350N	241 202	20	< 0.2	7.95	1310	1.5	< 2	0.92	1.5	8	60	2550	4.29	2.74	1.38
TY 7200E 4375N	241 202	not/ss	< 0.2	7.53	1210	1.5	< 2	1.22	2.0	8	44	3120	3.21	2.46	1.01
TY 7200E 4400N	241 202	not/ss	< 0.2	7.21	1160	1.5	< 2	1.26	1.5	5	40	1110	2.10	2.44	0.93
TY 7200E 4425N	241 202	< 5	< 0.2	8.72	1600	1.5	< 2	0.65	< 0.5	8	60	459	3.85	3.43	1.47
TY 7200E 4450N	241 202	< 5	< 0.2	7.56	1110	1.5	< 2	1.22	< 0.5	6	28	305	2.35	2.58	0.88
TY 7200E 4475N	241 202	< 5	0.6	7.05	1230	1.5	< 2	0.86	0.5	6	43	603	2.85	2.59	1.03
TY 7200E 4500N	241 202	15	< 0.2	6.87	1220	1.5	< 2	0.85	1.0	11	52	816	4.07	2.63	1.20
TY 7200E 4525N	241 202	10	< 0.2	6.60	1030	1.0	< 2	1.36	2.5	17	28	932	2.95	2.18	0.80
TY 7200E 4550N	241 202	< 5	< 0.2	6.66	1060	1.0	< 2	0.93	0.5	7	45	233	3.00	2.30	1.25
TY 7200E 4575N	241 202	10	< 0.2	8.65	1500	1.5	< 2	0.61	< 0.5	7	61	239	3.95	3.32	1.48
TY 7200E 4600N	241 202	< 5	< 0.2	6.69	1060	1.0	< 2	0.78	0.5	7	44	139	3.48	2.44	1.02
TY 7200E 4625N	241 202	< 5	< 0.2	5.22	860	0.5	< 2	0.78	< 0.5	13	37	79	3.28	2.09	0.89
TY 7200E 4650N	241 202	5	< 0.2	7.77	1710	2.0	< 2	0.80	< 0.5	15	58	145	3.88	3.22	1.49
TY 7200E 4675N	241 202	< 5	< 0.2	9.07	1780	2.0	< 2	0.61	0.5	8	52	719	4.59	3.50	1.27
TY 7200E 4700N	241 202	< 5	0.4	5.67	1090	1.5	< 2	1.48	0.5	9	34	64	2.65	1.95	1.00
TY 7200E 4725N	241 202	< 5	< 0.2	5.92	1260	1.5	< 2	1.95	1.0	10	57	66	3.29	2.02	1.13
TY 7200E 4750N	241 202	< 5	< 0.2	6.32	900	1.0	< 2	1.74	6.0	11	30	32	3.68	2.06	1.30
TY 7200E 4775N	241 202	< 5	< 0.2	7.60	1460	1.5	< 2	1.41	< 0.5	9	62	27	3.40	2.69	1.38
TY 7200E 4800N	241 202	not/ss	< 0.2	6.12	890	1.0	< 2	2.10	< 0.5	7	13	36	1.76	1.72	0.66
TY 7200E 4825N	241 202	< 5	0.4	6.24	1630	1.5	< 2	1.61	< 0.5	10	52	34	2.83	2.06	1.13
TY 7200E 4850N	241 202	< 5	0.4	6.99	1620	1.5	< 2	1.61	< 0.5	10	55	27	3.02	2.27	1.23
TY 7200E 4875N	241 202	< 5	< 0.2	6.41	1670	1.5	< 2	1.52	0.5	18	56	26	3.39	2.26	1.29
TY 7200E 4900N	241 202	not/ss	0.6	6.43	1800	1.5	< 2	1.33	1.0	10	60	40	2.88	2.30	1.22
TY 7200E 4925N	241 202	not/ss	0.4	6.13	1540	1.5	< 2	1.50	< 0.5	10	50	38	2.95	2.04	1.07
TY 7200E 4950N	241 202	< 5	0.2	6.96	1650	1.5	< 2	1.51	1.0	14	63	38	3.63	2.73	1.44
TY 7200E 4975N	241 202	not/ss	0.6	6.05	1540	1.5	< 2	1.27	1.0	11	38	56	2.68	1.92	0.94
TY 7200E 5000N	241 202	< 5	0.6	7.03	1190	1.5	< 2	1.52	0.5	9	23	31	2.21	2.24	0.79

CERTIFICATION:

*INTERFERENCE: Cu ON Bi AND P.

Chemex Labs Ltd.

*Analytical Chemists * Geochemists * Registered Assayers*

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

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

Project : 6408
Comments: ATTN: DAVID TERRY

Page Number :5-B
Total Pages :5
Certificate Date: 17-AUG-96
Invoice No. :I9627252
P.O. Number :
Account :GP W

*PLEASE NOTE

CERTIFICATE OF ANALYSIS A9627252

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)			
TY 7200E 4075N	241	202	340	18	0.83	15	420	32	115	0.30	132	< 10	94			
TY 7200E 4100N	241	202	740	42	0.63	29	1140	30	80	0.23	127	< 10	194			
TY 7200E 4125N	241	202	940	34	0.88	26	1130	28	138	0.24	114	< 10	170			
TY 7200E 4150N	241	202	485	34	1.16	23	610	14	211	0.28	119	< 10	202			
TY 7200E 4175N	241	202	365	13	0.88	46	1050	18	221	0.16	62	< 10	354			
TY 7200E 4200N	241	202	255	68	1.11	4	290	26	188	0.36	160	< 10	50			
TY 7200E 4225N	241	202	3980	71	0.95	23	960	80	193	0.23	96	< 10	236			
TY 7200E 4250N	241	202	995	31	1.10	25	800	54	226	0.25	113	< 10	242			
TY 7200E 4275N	241	202	370	7	2.17	8	330	18	422	0.22	60	< 10	80			
TY 7200E 4300N	241	202	1265	48	0.80	28	980	56	119	0.30	139	< 10	266			
TY 7200E 4325N	241	202	1050	52	0.71	22	800	64	115	0.32	163	< 10	208			
TY 7200E 4350N	241	202	635	47	0.78	28	1050	66	152	0.29	124	< 10	242			
TY 7200E 4375N	241	202	550	35	1.22	20	1130	64	255	0.21	92	< 10	176			
TY 7200E 4400N	241	202	345	10	1.39	14	810	20	273	0.22	79	< 10	88			
TY 7200E 4425N	241	202	600	37	0.87	16	680	48	115	0.30	125	< 10	132			
TY 7200E 4450N	241	202	410	13	1.74	8	700	30	329	0.23	73	< 10	74			
TY 7200E 4475N	241	202	425	25	0.97	15	900	50	154	0.26	98	< 10	96			
TY 7200E 4500N	241	202	810	50	0.83	21	1270	48	122	0.29	103	< 10	160			
TY 7200E 4525N	241	202	1435	41	1.59	13	1080	36	316	0.22	67	< 10	102			
TY 7200E 4550N	241	202	580	23	1.04	14	790	28	148	0.28	98	< 10	90			
TY 7200E 4575N	241	202	575	41	0.82	16	990	48	107	0.32	133	< 10	126			
TY 7200E 4600N	241	202	520	11	1.14	13	690	44	159	0.28	82	< 10	80			
TY 7200E 4625N	241	202	585	4	1.10	19	770	40	136	0.29	64	< 10	70			
TY 7200E 4650N	241	202	845	7	1.00	29	950	46	120	0.37	116	< 10	122			
TY 7200E 4675N	241	202	550	22	0.88	19	1010	66	120	0.28	121	< 10	180			
TY 7200E 4700N	241	202	705	3	1.09	20	1060	30	212	0.22	66	< 10	112			
TY 7200E 4725N	241	202	1285	3	1.12	32	1810	26	215	0.33	92	< 10	116			
TY 7200E 4750N	241	202	795	1	1.80	21	740	18	257	0.59	106	< 10	246			
TY 7200E 4775N	241	202	665	2	1.44	22	980	20	233	0.32	104	< 10	110			
TY 7200E 4800N	241	202	665	2	1.99	13	1130	12	446	0.19	44	< 10	56			
TY 7200E 4825N	241	202	790	1	1.21	23	1260	24	208	0.28	87	< 10	100			
TY 7200E 4850N	241	202	695	3	1.35	24	1180	20	232	0.31	97	< 10	112			
TY 7200E 4875N	241	202	2570	3	1.17	26	960	22	181	0.32	104	< 10	120			
TY 7200E 4900N	241	202	630	1	1.06	28	1170	18	165	0.27	95	< 10	116			
TY 7200E 4925N	241	202	650	3	1.34	23	1330	22	221	0.29	86	< 10	98			
TY 7200E 4950N	241	202	925	3	1.29	28	850	26	174	0.37	114	< 10	116			
TY 7200E 4975N	241	202	810	2	1.29	26	1040	20	237	0.25	79	< 10	92			
TY 7200E 5000N	241	202	535	2	2.06	14	610	12	392	0.23	62	< 10	76			

CERTIFICATION: Ian Bichler

*INTERFERENCE: Cu ON Bi AND P.

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

A9628490

Comments: ATTN: DAVID TERRY

CERTIFICATE A9628490

(GP W) - WESTMIN RESOURCES LTD.

Project: 6409
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 30-AUG-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	55	Geochem ring to approx 150 mesh
226	55	0-3 Kg crush and split
285	55	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	55	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	55	Ag ppm: 24 element, rock & core	AAS	0.2	200
573	55	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	55	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	55	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	55	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	55	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	55	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	55	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	55	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	55	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	55	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	55	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	55	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	55	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	55	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	55	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	55	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	55	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	55	Pb ppm: 24 element, rock & core	AAS	2	10000
582	55	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	55	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	55	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	55	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	55	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

Chemex Labs Ltd.

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

Project : 6409
Comments: ATTN: DAVID TERRY

Certificate Date: 30-AUG-96
Invoice No. : I9628490
P.O. Number :
Account : GP W

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9628490

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)
134274	205 226	< 5	< 0.2	5.59	1300	1.0	< 2	8.58	1.0	22	406	9	7.01	1.48	4.88
134275	205 226	< 5	< 0.2	8.06	1200	2.0	< 2	2.19	< 0.5	10	121	9	3.70	3.34	1.16
134276	205 226	< 5	< 0.2	1.77	30	< 0.5	< 2	3.62	0.5	16	109	342	4.10	0.07	0.33
134277	205 226	< 5	0.8	0.74	60	< 0.5	2	0.26	< 0.5	1	144	22	2.67	0.16	0.15
134278	205 226	< 5	< 0.2	1.14	50	< 0.5	2	0.64	< 0.5	12	133	24	9.34	0.35	0.30
134279	205 226	< 5	< 0.2	1.25	1030	< 0.5	< 2	0.73	< 0.5	11	104	25	2.19	0.44	0.45
134280	205 226	< 5	< 0.2	6.62	1690	2.0	< 2	0.04	< 0.5	3	106	38	3.45	3.20	0.76
134281	205 226	< 5	< 0.2	0.36	60	< 0.5	2	0.17	< 0.5	1	95	23	2.51	0.07	0.19
134282	205 226	< 5	< 0.2	6.66	870	1.0	< 2	0.70	< 0.5	6	77	13	1.48	4.42	0.60
134283	205 226	< 5	< 0.2	7.39	720	1.5	2	1.02	< 0.5	12	111	18	3.80	2.81	0.92
134284	205 226	< 5	< 0.2	6.98	1380	1.0	< 2	1.15	< 0.5	5	72	11	2.14	3.31	0.53
134285	205 226	< 5	< 0.2	1.18	1180	< 0.5	< 2	0.18	< 0.5	3	128	26	0.82	0.53	0.23
134286	205 226	< 5	< 0.2	1.88	2210	0.5	2	0.01	< 0.5	1	207	100	2.41	0.61	0.30
134287	205 226	< 5	< 0.2	1.03	2330	< 0.5	< 2	0.21	< 0.5	3	151	25	0.78	0.33	0.29
134288	205 226	< 5	< 0.2	1.26	2040	< 0.5	< 2	0.46	< 0.5	2	113	46	0.94	0.48	0.34
134390	205 226	< 5	< 0.2	7.17	2580	2.0	< 2	8.13	< 0.5	4	825	11	3.36	2.41	3.97
134391	205 226	< 5	< 0.2	7.56	3300	1.5	< 2	5.36	< 0.5	29	330	113	4.82	3.47	3.82
134392	205 226	< 5	< 0.2	5.32	2710	1.5	< 2	1.82	< 0.5	< 1	288	76	2.84	3.12	0.83
134393	205 226	< 5	< 0.2	4.09	2080	1.0	< 2	0.92	< 0.5	< 1	244	25	3.42	2.31	1.11
134394	205 226	< 5	< 0.2	2.78	1260	1.5	< 2	1.91	63.0	3	166	17	0.57	1.47	0.47
134395	205 226	< 5	< 0.2	2.39	1160	0.5	< 2	0.04	< 0.5	5	149	69	1.12	1.26	0.29
134396	205 226	< 5	< 0.2	5.08	2970	2.0	< 2	0.53	< 0.5	< 1	160	7	1.92	2.59	0.57
134397	205 226	< 5	< 0.2	8.56	290	3.0	< 2	6.29	< 0.5	41	521	156	6.44	3.85	1.76
134398	205 226	< 5	0.8	0.57	240	< 0.5	< 2	0.03	0.5	8	184	19	1.26	0.25	0.05
134399	205 226	10	< 0.2	7.54	40	< 0.5	< 2	1.05	2.0	50	207	126	14.00	0.09	6.01
134400	205 226	25	1.0	1.39	120	0.5	6	0.05	< 0.5	4	149	25	2.17	0.64	0.13
134530	205 226	< 5	< 0.2	0.81	410	< 0.5	< 2	0.06	< 0.5	1	152	10	0.53	0.36	0.11
134531	205 226	15	< 0.2	1.84	270	< 0.5	2	0.50	< 0.5	< 1	109	92	5.28	0.20	1.12
134751	205 226	< 5	< 0.2	1.35	50	< 0.5	< 2	0.33	< 0.5	6	132	645	1.49	0.05	1.31
134752	205 226	10	< 0.2	2.34	420	< 0.5	< 2	0.14	< 0.5	5	209	496	1.99	0.59	0.89
134753	205 226	1030	5.4	0.66	100	< 0.5	Intf*	0.01	< 0.5	6	161	>10000	3.22	0.16	0.04
134754	205 226	25	< 0.2	2.06	480	< 0.5	< 2	0.13	< 0.5	< 1	197	125	0.94	0.73	0.38
134755	205 226	75	0.4	2.20	300	< 0.5	< 2	< 0.01	< 0.5	< 1	165	138	0.31	0.87	0.05
134756	205 226	5	< 0.2	7.19	1800	1.5	< 2	4.48	< 0.5	7	150	41	4.69	1.74	2.53
134757	205 226	< 5	< 0.2	3.10	180	< 0.5	< 2	0.14	< 0.5	8	142	112	2.90	0.94	0.83
134758	205 226	560	15.2	2.48	230	< 0.5	20	0.01	21.5	6	133	187	24.9	1.09	0.16
134760	205 226	< 5	< 0.2	1.14	840	< 0.5	< 2	0.01	< 0.5	< 1	91	7	0.56	0.53	0.04
134761	205 226	< 5	4.8	0.12	920	< 0.5	< 2	0.69	0.5	< 1	6	11	0.11	< 0.01	0.08
134762	205 226	75	< 0.2	0.68	80	< 0.5	2	0.81	2.5	1	107	556	21.0	0.17	0.47
134763	205 226	< 5	< 0.2	1.48	>10000	0.5	2	1.48	0.5	5	150	36	1.58	0.97	1.27

CERTIFICATION: Hart Bichler

* INTERFERENCES: Cu on Bi and P

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Project : 6409
Comments: ATTN: DAVID TERRY

Page Number : 1-B
Total Pages : 2
Certificate Date: 30-AUG-96
Invoice No. : I9628490
P.O. Number :
Account : GP W

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9628490

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)			
134274	205	226	1400	< 1	0.21	63	1530	2	165	1.38	167	10	194			
134275	205	226	710	3	2.45	19	770	22	207	0.38	64	< 10	84			
134276	205	226	510	< 1	0.03	16	180	< 2	86	0.04	101	< 10	152			
134277	205	226	85	1	0.21	3	70	10	9	0.04	26	< 10	62			
134278	205	226	575	1	< 0.01	53	380	< 2	66	0.02	94	< 10	32			
134279	205	226	1860	2	0.01	29	3380	6	14	0.05	77	< 10	40			
134280	205	226	585	4	0.30	6	610	20	21	0.38	139	< 10	48			
134281	205	226	350	< 1	< 0.01	22	160	< 2	7	0.01	41	< 10	36			
134282	205	226	315	1	1.78	3	290	28	258	0.14	30	< 10	38			
134283	205	226	515	< 1	1.16	18	430	< 2	49	0.30	60	< 10	64			
134284	205	226	545	< 1	2.47	3	420	10	242	0.20	27	< 10	76			
134285	205	226	215	1	0.03	13	190	< 2	10	0.03	44	< 10	16			
134286	205	226	80	4	0.05	14	840	4	28	0.03	159	< 10	58			
134287	205	226	260	1	< 0.01	11	90	6	19	0.05	21	< 10	22			
134288	205	226	380	1	< 0.01	15	150	6	23	0.06	26	< 10	22			
134390	205	226	660	< 1	0.21	60	190	< 2	394	2.11	147	30	120			
134391	205	226	570	< 1	0.61	72	1400	< 2	156	1.57	168	< 10	78			
134392	205	226	70	24	0.15	< 1	>10000	20	48	0.33	812	< 10	18			
134393	205	226	85	19	0.19	< 1	2820	8	32	0.55	412	< 10	30			
134394	205	226	325	4	0.05	19	520	60	77	0.09	202	< 10	7500			
134395	205	226	170	1	0.06	27	180	6	7	0.08	80	< 10	288			
134396	205	226	75	24	0.71	6	2950	52	46	0.28	193	< 10	54			
134397	205	226	610	1	0.43	126	4760	< 2	278	2.94	117	10	74			
134398	205	226	295	1	0.01	21	70	46	5	0.03	15	< 10	132			
134399	205	226	3150	< 1	0.34	272	4080	34	36	1.32	311	< 10	1140			
134400	205	226	30	18	0.05	11	300	166	9	0.03	88	< 10	36			
134530	205	226	70	1	0.01	7	320	4	8	0.04	15	< 10	32			
134531	205	226	200	40	0.01	6	500	12	9	0.13	136	< 10	34			
134751	205	226	850	14	< 0.01	26	180	34	6	0.06	54	< 10	104			
134752	205	226	160	12	0.06	4	280	4	11	0.12	48	10	28			
134753	205	226	10	14	0.05	9	Intf*	24	12	< 0.01	11	< 10	38			
134754	205	226	215	26	0.07	18	720	6	10	0.03	115	< 10	28			
134755	205	226	15	3	0.09	1	30	8	12	0.05	78	< 10	12			
134756	205	226	2290	< 1	0.24	11	630	50	558	0.28	167	< 10	162			
134757	205	226	160	7	0.09	12	690	16	14	0.04	77	< 10	68			
134758	205	226	20	33	0.09	5	< 10	2000	15	0.02	46	< 10	2030			
134760	205	226	5	1	0.04	1	90	10	11	0.04	36	< 10	16			
134761	205	226	20	1	< 0.01	6	230	12	306	< 0.01	52	< 10	60			
134762	205	226	350	29	0.03	103	1810	< 2	169	0.07	672	< 10	926			
134763	205	226	350	8	0.07	91	1090	4	74	0.09	383	< 10	238			

CERTIFICATION: Jan J. Ruddick

* INTERFERENCES: Cu on Bi and P

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V7X 1C4

Project : 6409
Comments: ATTN: DAVID TERRY

Page Number : 2-A
Total Pages : 2
Certificate Date: 30-AUG-96
Invoice No. : I9628490
P.O. Number :
Account : GP W

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9628490

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)
134764	205	226	70	14.2	0.61	3160	< 0.5	34	4.16	50.0	< 1	47	176	>25.0	0.06	3.63
134765	205	226	< 5	< 0.2	6.02	3040	1.5	< 2	0.03	< 0.5	2	110	21	2.72	2.57	0.83
134766	205	226	< 5	0.6	6.11	2980	1.5	< 2	0.01	< 0.5	< 1	89	26	1.53	2.76	0.61
134767	205	226	20	1.0	6.18	990	0.5	< 2	6.58	0.5	59	184	54	7.92	1.28	3.67
134768	205	226	75	10.8	2.97	50	< 0.5	112	0.09	21.5	69	108	1820	12.05	0.42	0.06
134769	205	226	35	2.6	1.69	100	< 0.5	2	0.01	5.0	11	73	354	3.06	0.36	0.04
134770	205	226	50	0.2	7.15	130	0.5	< 2	0.66	< 0.5	6	123	22	3.09	1.29	2.49
134771	205	226	< 5	< 0.2	7.09	780	0.5	< 2	1.68	< 0.5	14	69	40	3.05	1.53	1.52
134772	205	226	< 5	< 0.2	6.09	750	1.5	< 2	1.15	< 0.5	5	98	8	2.40	3.35	0.72
134773	205	226	< 5	< 0.2	6.83	1050	1.5	< 2	0.58	< 0.5	< 1	84	8	2.23	3.72	0.90
134774 A	205	226	< 5	< 0.2	1.68	110	< 0.5	< 2	0.05	< 0.5	< 1	115	19	1.32	0.25	1.18
134774 B	205	226	< 5	< 0.2	1.88	510	< 0.5	< 2	0.13	< 0.5	< 1	99	90	1.52	0.49	0.72
134775	205	226	< 5	< 0.2	4.12	1490	0.5	< 2	0.04	< 0.5	5	106	58	2.38	1.31	1.31
134776	205	226	< 5	< 0.2	0.88	330	< 0.5	< 2	0.01	< 0.5	< 1	89	21	1.44	0.32	0.22
134777	205	226	< 5	0.4	1.06	430	< 0.5	4	0.01	< 0.5	1	53	7	0.40	0.47	0.10

CERTIFICATION: Stan Bichler

* INTERFERENCES: Cu on Bi and P

Chemex Labs Ltd.

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Total Pages :2
Certificate Date: 30-AUG-96
Invoice No. :I9628490
P.O. Number :
Account :GP W

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9628490

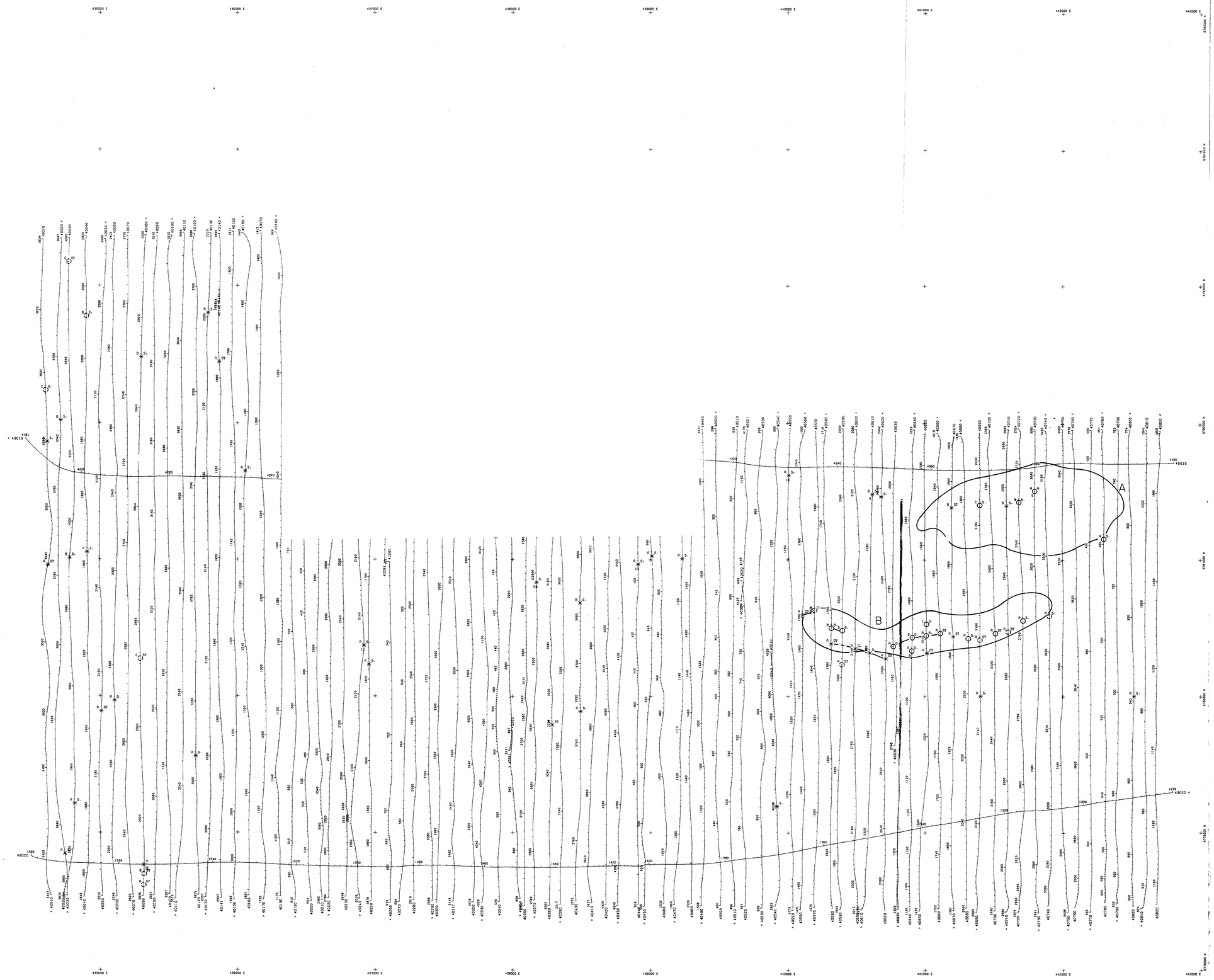
SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
134764	205	226	4410	52	0.22	34	2770	310	154	0.03	657	< 10	5930
134765	205	226	135	1	0.13	13	470	8	23	0.27	153	< 10	110
134766	205	226	40	4	0.19	< 1	240	22	24	0.24	186	< 10	48
134767	205	226	1005	1	0.55	148	2830	12	654	1.45	213	< 10	150
134768	205	226	160	10	0.09	38	860	270	69	0.15	73	< 10	1480
134769	205	226	20	11	0.05	9	120	436	69	0.03	26	< 10	1780
134770	205	226	735	1	2.65	13	360	20	79	0.28	123	< 10	98
134771	205	226	825	< 1	2.53	8	330	18	200	0.20	90	< 10	54
134772	205	226	265	< 1	1.16	5	390	16	207	0.19	48	< 10	54
134773	205	226	455	1	1.56	1	400	16	163	0.25	53	< 10	66
134774 A	205	226	170	5	0.02	27	250	2	5	0.06	47	< 10	250
134774 B	205	226	120	8	0.04	21	750	8	7	0.04	49	< 10	58
134775	205	226	235	1	0.10	25	190	10	10	0.10	60	< 10	82
134776	205	226	140	< 1	0.03	2	60	22	8	0.02	10	< 10	34
134777	205	226	60	1	0.03	5	40	88	5	0.04	28	< 10	52

CERTIFICATION: Ivan Bridler

* INTERFERENCES: Cu on Bi and P

APPENDIX H

DIGHEM AIRBORNE SURVEY MAPS



TECHNICAL SUMMARY

Navigation	Sercel differential GPS positioning
Data reduction grid interval	25 metres
Terrain clearance	Helicopter 60 m Electromagnetic sensor 30 m Magnetometer, VLF receiver 40 m
Data sampling interval	0.1 second
Magnetometer / sensitivity	Scintrex cesium / 0.01 nT
VLF receiver / sensitivity	Herz 2A / 1%
Electromagnetic system	DIGHEM⁵

Frequency	Sensitivity	Coil Orientation
900 Hz	0.1 ppm	Vertical coaxial
5500 Hz	0.2 ppm	Vertical coaxial
900 Hz	0.1 ppm	Horizontal coplanar
7200 Hz	0.2 ppm	Horizontal coplanar
56000 Hz	0.5 ppm	Horizontal coplanar

ELECTROMAGNETIC ANOMALIES

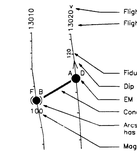
Grade	Anomaly	Conductance
7	●	>100 siemens
6	◕	50–100 siemens
5	◑	20–50 siemens
4	◔	10–20 siemens
3	◎	5–10 siemens
2	○	1–5 siemens
1	◌	< 1 siemens
–	✳	Questionable anomaly

Anomaly identifier — Interpretive symbol — Inphase and Quadrature of coaxial coil is greater than

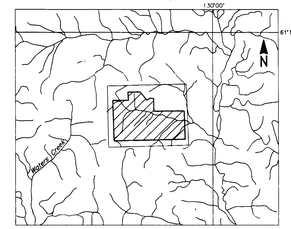
Depth is greater than:
- 15 m : 5 ppm
- 30 m : 10 ppm
- 45 m : 15 ppm
- 60 m : 20 ppm

Interpretive symbol	Conductor ("model")
B	Bedrock conductor
D	Narrow bedrock conductor ("thin dike")
S	Conductive cover ("horizontal thin sheet")
H	Broad conductive rock unit, deep conductive weathering, thick conductive cover ("half space")
E	Edge of broad conductor ("edge of half space")
L	Culture, e.g. power line, metal building or fence

FLIGHT LINES WITH EM ANOMALIES



LOCATION MAP



WESTMIN RESOURCES LIMITED
TY CLAIMS, YUKON

ELECTROMAGNETIC ANOMALIES

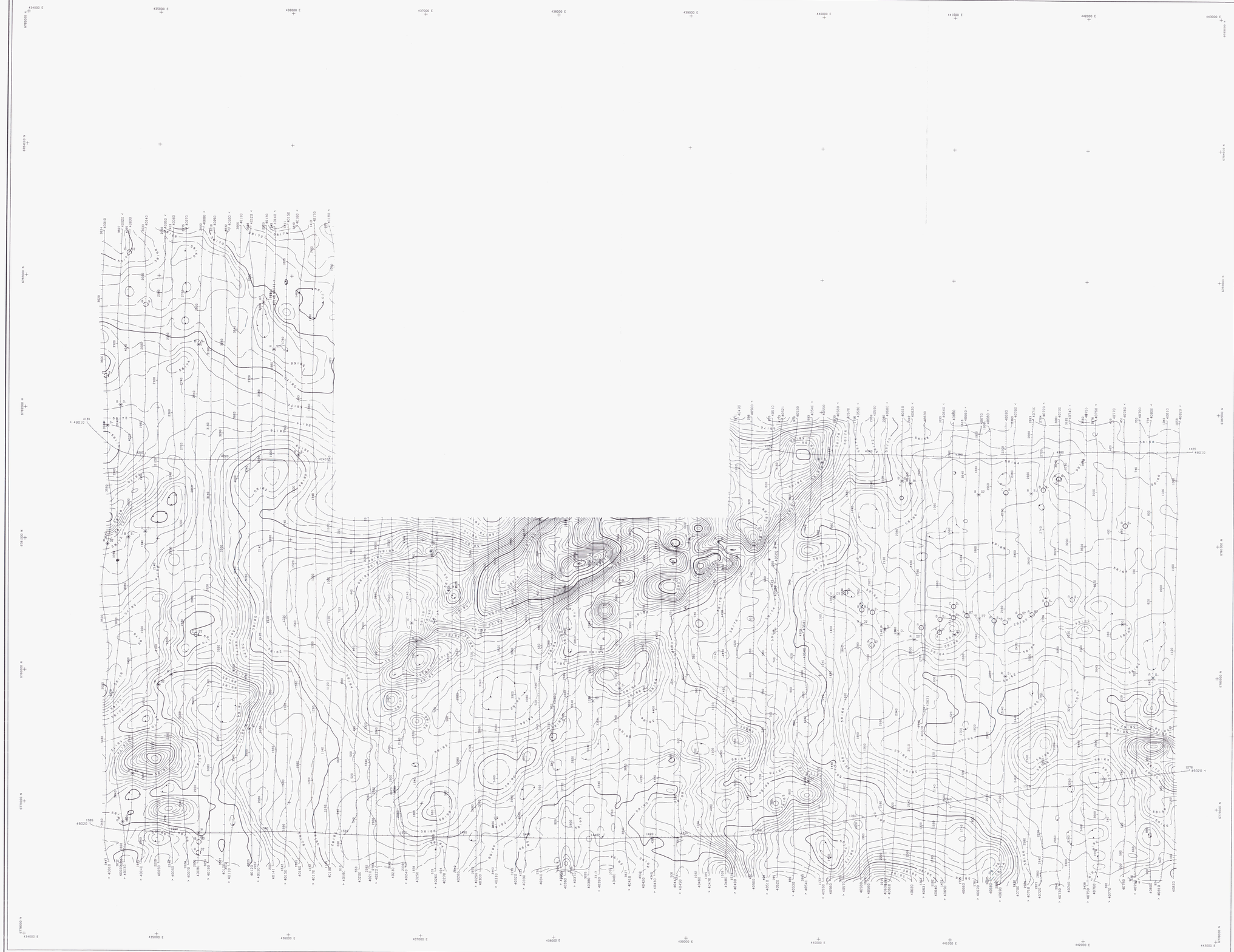
DIGHEM⁵ SURVEY	NTS: 105G/1	GEOPHYSICIST: DG
DATE: DECEMBER, 1995	JOB: 1239	SHEET: 1

DIGHEM, A division of CGG Canada Ltd.

0 0.5 1.0 Km
0 0.5 Mi
Scale 1:10 000

DIGHEM Quality and Service in Airborne Geophysics

0935 2



TECHNICAL SUMMARY

Navigation . . . . . Sercel differential GPS positioning
Data reduction grid interval . . . . 25 metres
Terrain clearance . . . . . Helicopter 60 m
Electromagnetic sensor 30 m
Magnetometer, VLF receiver 40 m
Data sampling interval . . . . . 0.1 second
Magnetometer / sensitivity . . . . Scintrex cesium / 0.01 nT
VLF receiver / sensitivity . . . . Herz 2A / 1%
Electromagnetic system . . . . . DIGHEM^V

Frequency	Sensitivity	Coil Orientation
900 Hz	0.1 ppm	Vertical coaxial
5500 Hz	0.2 ppm	Vertical coaxial
900 Hz	0.1 ppm	Horizontal coplanar
7200 Hz	0.2 ppm	Horizontal coplanar
56000 Hz	0.5 ppm	Horizontal coplanar

ELECTROMAGNETIC ANOMALIES

Grade	Anomaly	Conductance
7	●	>100 siemens
6	◕	50–100 siemens
5	◑	20–50 siemens
4	◔	10–20 siemens
3	⊖	5–10 siemens
2	○	1–5 siemens
1	◌	< 1 siemens
–	✳	Questionable anomaly

Anomaly identifier
Interpretive symbol
Depth is greater than
15 m
30 m
45 m
60 m
Inphase and Quadrature of coaxial coil is greater than
5 ppm
10 ppm
15 ppm
20 ppm

Interpretive symbol	Conductor ("model")
B	Bedrock conductor
D	Narrow bedrock conductor ("thin dike")
S	Conductive cover ("horizontal thin sheet")
H	Broad conductive rock unit, deep conductive weathering, thick conductive cover ("half space")
E	Edge of broad conductor ("edge of half space")
L	Culture, e.g. power line, metal building or fence

FLIGHT LINES WITH EM ANOMALIES

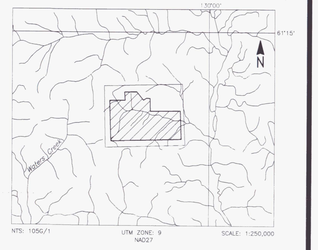
Flight direction
Flight line number
11220
Reflight Number
Line Number
Area Number
Fiducials identified on profiles
Dip direction
EM anomaly (see EM legend)
Conductor axis (on EM maps only)
Arcs indicate the conductor has a thickness > 10m
Magnetic correlation in nT (gammas)

TOTAL FIELD MAGNETIC CONTOURS

50 nT
10 nT
2 nT
1 nT
magnetic low

Magnetic inclination within the survey area: 78 degrees N
Magnetic declination within the survey area: 29 degrees E

LOCATION MAP



WESTMIN RESOURCES LIMITED
TY CLAIMS, YUKON

TOTAL FIELD MAGNETICS

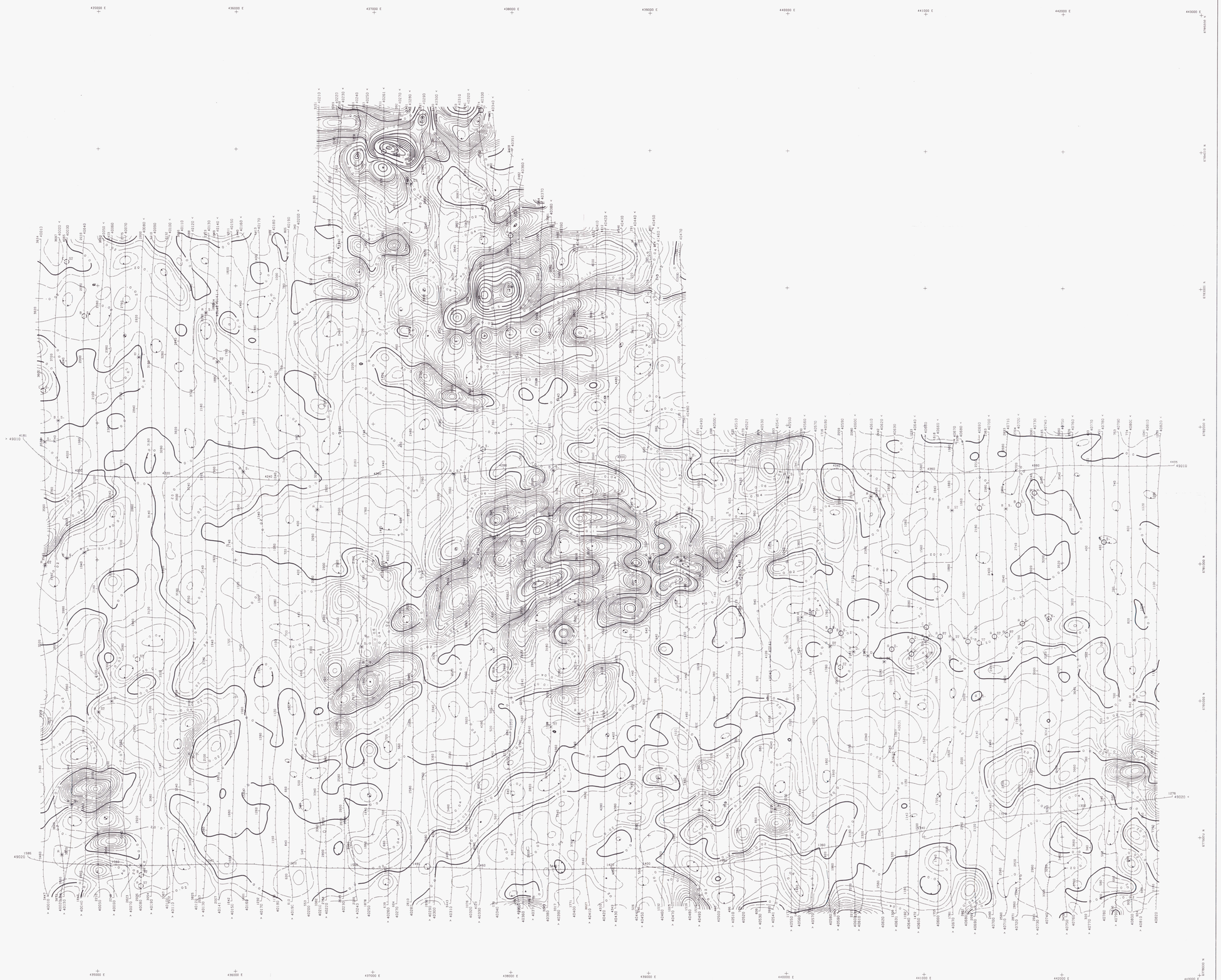
DIGHEM^V SURVEY	NTS: 105G/1	GEOPHYSICIST:
DATE: DECEMBER, 1995	JOB: 1239	SHEET: 1

DIGHEM, A division of CGG Canada Ltd.

0 0.5 1.0 Km
0 0.5 Mi
Scale 1:10 000

DIGHEM Quality and Service in Airborne Geophysics

093592



TECHNICAL SUMMARY

Navigation . . . . . Sercel differential GPS positioning
Data reduction grid interval . . . 25 metres
Terrain clearance . . . . . Helicopter 60 m
. . . . . Electromagnetic sensor 30 m
. . . . . Magnetometer, VLF receiver 40 m
Data sampling interval . . . . . 0.1 second
Magnetometer / sensitivity . . . . . Scintrex cesium / 0.01 nT
VLF receiver / sensitivity . . . . . Herz 2A / 1%
Electromagnetic system . . . . . DIGHEM

Frequency	Sensitivity	Coil Orientation
900 Hz	0.1 ppm	Vertical coaxial
5500 Hz	0.2 ppm	Vertical coaxial
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6	◕	50–100 siemens
5	◑	20–50 siemens
4	◔	10–20 siemens
3	○	5–10 siemens
2	○	1–5 siemens
1	○	< 1 siemens
–	✳	Questionable anomaly

Anomaly identifier — Interpretive symbol — Depth is greater than: 15 m, 30 m, 45 m, 60 m — Inphase and Quadrature of coaxial coil is greater than: 5 ppm, 10 ppm, 15 ppm, 20 ppm

Interpretive symbol	Conductor ("model")
B	Bedrock conductor
D	Narrow bedrock conductor ("thin dike")
S	Conductive cover ("horizontal thin sheet")
H	Broad conductive rock unit, deep conductive weathering, thick conductive cover ("half space")
E	Edge of broad conductor ("edge of half space")
L	Culture, e.g. power line, metal building or fence

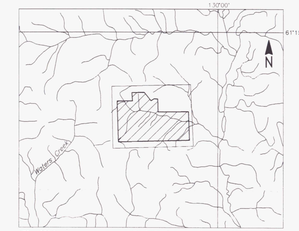
FLIGHT LINES WITH EM ANOMALIES

Flight direction
Flight line number
11020 — Reflight Number, Line Number, Area Number
Fiducials identified on profiles
Dip direction
EM anomaly (see EM legend)
Conductor axis (on EM maps only)
Arcs indicate the conductor has a thickness > 10m
Magnetic correlation in nT (gammas)

CALCULATED VERTICAL GRADIENT CONTOURS

0.5 nT/metre
0.1 nT/metre
0.02 nT/metre
0.01 nT/metre

LOCATION MAP



WESTMIN RESOURCES LIMITED
TY CLAIMS, YUKON

CALCULATED VERTICAL GRADIENT MAGNETICS

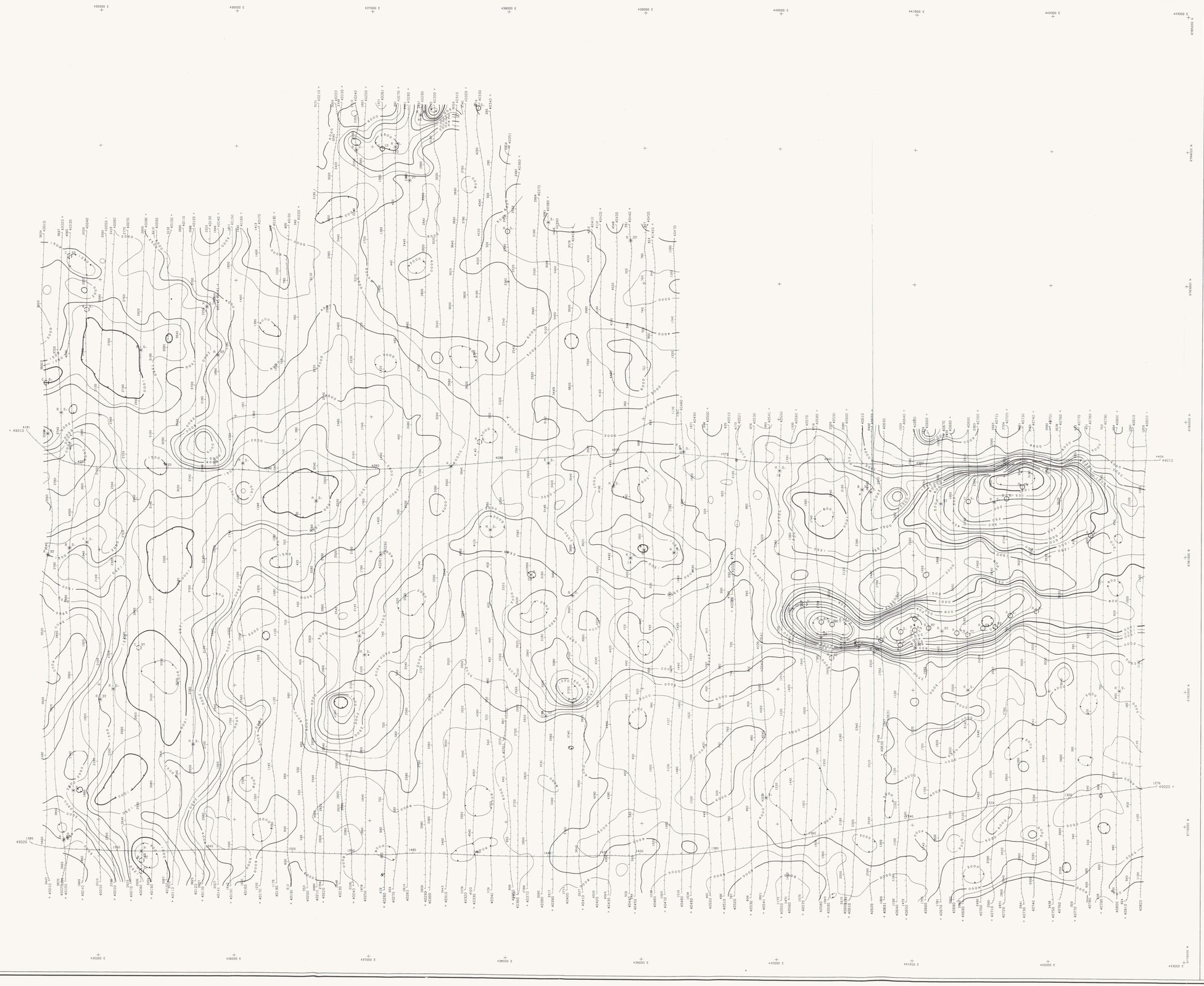
DIGHEM V SURVEY	NTS: 105G/1	GEOPHYSICIST:
DATE: DECEMBER, 1995	JOB: 1239	SHEET: 1

DIGHEM, A division of CGG Canada Ltd.

0 0.5 1.0 Km
0 0.5 Mi
Scale 1:10 000

DIGHEM — Quality and Service in Airborne Geophysics

093592



TECHNICAL SUMMARY

Navigation	Sercel differential GPS positioning
Data reduction grid interval	25 metres
Terrain clearance	Helicopter 60 m Electromagnetic sensor 30 m Magnetometer, VLF receiver 40 m
Data sampling interval	0.1 second
Magnetometer / sensitivity	Scintrex cesium / 0.01 nT
VLF receiver */ sensitivity	Herz 2A / 1%
Electromagnetic system	DIGHEM^V

Frequency	Sensitivity	Coil Orientation
900 Hz	0.1 ppm	Vertical coaxial
5500 Hz	0.2 ppm	Vertical coaxial
900 Hz	0.1 ppm	Horizontal coplanar
7200 Hz	0.2 ppm	Horizontal coplanar
56000 Hz	0.5 ppm	Horizontal coplanar

ELECTROMAGNETIC ANOMALIES

Grade	Anomaly	Conductance
7	●	>100 siemens
6	◕	50–100 siemens
5	◑	20–50 siemens
4	◔	10–20 siemens
3	①	5–10 siemens
2	○	1–5 siemens
1	○	< 1 siemens
–	✳	Questionable anomaly

Anomaly identifier; Interpretive symbol; Depth is – greater than · 15 m · 30 m | 45 m | 60 m; Inphase and Quadrature of coaxial coil is greater than . 5 ppm . . 10 ppm . . . 15 ppm . . . . 20 ppm

Interpretive symbol	Conductor ("model")
B	Bedrock conductor
D	Narrow bedrock conductor ("thin dike")
S	Conductive cover ("horizontal thin sheet").
H	Broad conductive rock unit, deep conductive weathering, thick conductive cover ("half space")
E	Edge of broad conductor ("edge of half space")
L	Culture, e.g. power line, metal building or fence.

FLIGHT LINES WITH EM ANOMALIES

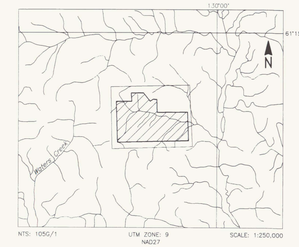
Flight direction; Flight line number 1:1020 — Reflight Number, Line Number, Area Number; Fiducials identified on profiles; Dip direction; EM anomaly (see EM legend); Conductor axis (on EM maps only); Arcs indicate the conductor has a thickness > 10m; Magnetic correlation in nT (gammas)

RESISTIVITY CONTOURS

1000 — 800 — 600 — 500 — 400 — 300 — 250 — 200 — 150 — 125 — 100

Contours in ohm-m at 10 intervals per decade

LOCATION MAP



WESTMIN RESOURCES LIMITED
TY CLAIMS, YUKON

RESISTIVITY
7200 Hz COPLANAR

DIGHEM ^{V} SURVEY	NTS: 105G/1	GEOPHYSICIST:
DATE: DECEMBER, 1995	JOB: 1239	SHEET: 1

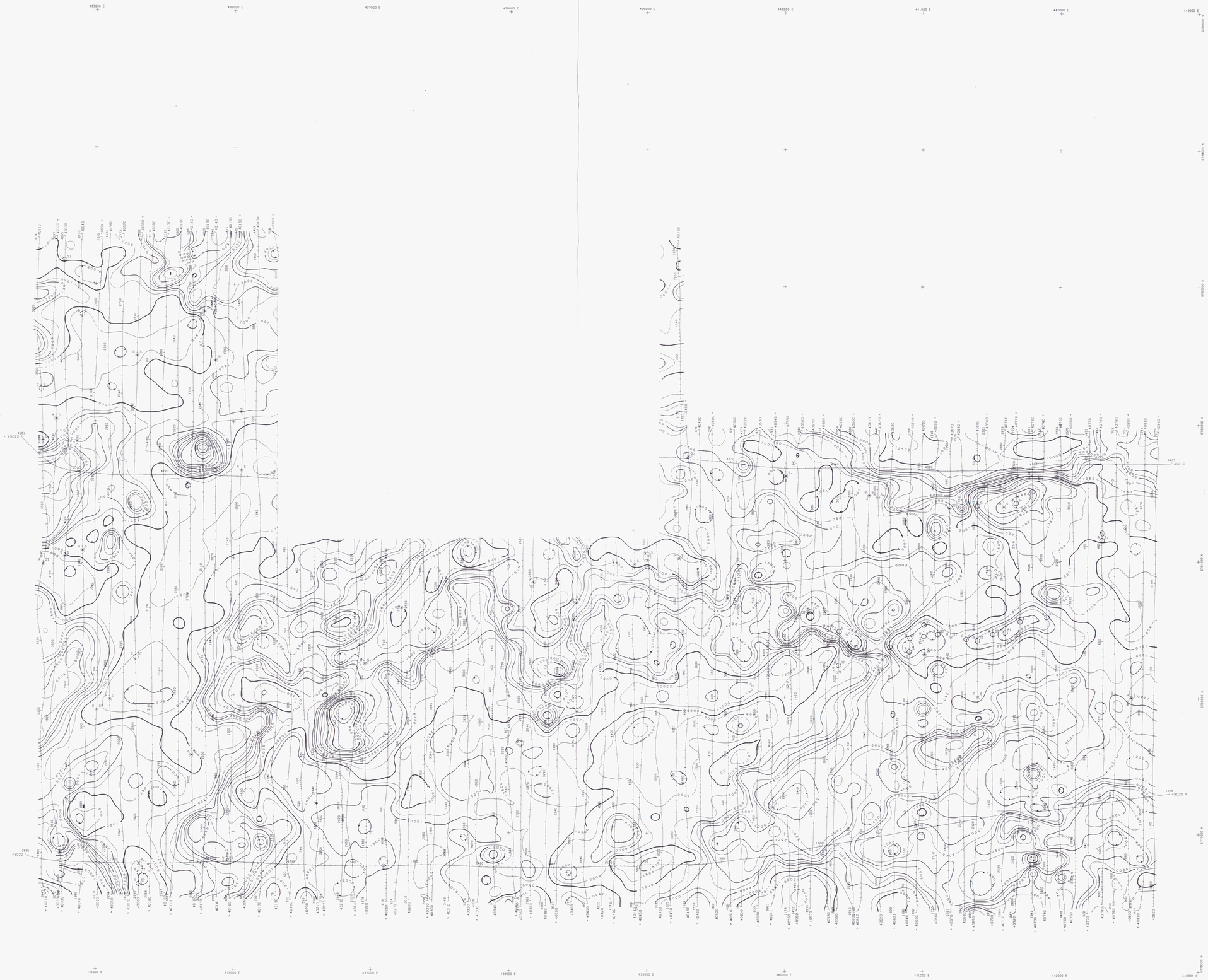
DIGHEM, A division of CGG Canada Ltd.

0 0.5 1.0 Km
0 0.5 MI
Scale 1:10 000

DIGHEM
Quality and Service in Airborne Geophysics

093592

(4)



TECHNICAL SUMMARY

Navigation	Sercel differential GPS positioning
Data reduction grid interval	25 metres
Terrain clearance	Helicopter 60 m
	Electromagnetic sensor 30 m
	Magnetometer, VLF receiver 40 m
Data sampling interval	0.1 second
Magnetometer / sensitivity	Scintrex cesium / 0.01 nT
VLF receiver / sensitivity	Herz ZA / 1%
Electromagnetic system	DIGHEM*

Frequency	Sensitivity	Coil Orientation
900 Hz	0.1 ppm	Vertical coaxial
5500 Hz	0.2 ppm	Vertical coaxial
900 Hz	0.1 ppm	Horizontal coplanar
7200 Hz	0.2 ppm	Horizontal coplanar
56000 Hz	0.5 ppm	Horizontal coplanar

ELECTROMAGNETIC ANOMALIES

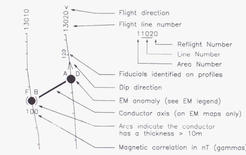
Grade	Anomaly	Conductance
7	●	>100 siemens
6	◕	50–100 siemens
5	◒	20–50 siemens
4	◔	10–20 siemens
3	◑	5–10 siemens
2	○	1–5 siemens
1	○	< 1 siemens
–	✳	Questionable anomaly

Anomaly identifier — Interpretive symbol — Depth is greater than
- 15 m
- 30 m
- 45 m
- 60 m

Inphase and Quadrature of coaxial coil is greater than
- . . . . 5 ppm
- . . . . 10 ppm
- . . . . 15 ppm
- . . . . 20 ppm

Interpretive symbol	Conductor ("model")
H	Bedrock conductor
D	Narrow bedrock conductor ("thin dike")
S	Conductive cover ("horizontal thin sheet")
H	Broad conductive rock unit, deep conductive weathering, thick conductive cover ("half space")
E	Edge of broad conductor ("edge of half space")
L	Culture, e.g. power line, metal building or fence

FLIGHT LINES WITH EM ANOMALIES



RESISTIVITY CONTOURS

1000 — 800 — 600 — 500 — 400 — 300 — 250 — 200 — 150 — 125 — 100

Contours in ohm-m at 10 intervals per decade

LOCATION MAP

WESTMIN RESOURCES LIMITED
TY CLAIMS, YUKON

RESISTIVITY
56,000 Hz COPLANAR

DIGHEM* SURVEY	NTS: 105G/1	GEOPHYSICIST: DG
DATE: DECEMBER, 1995	JOB: 1239	SHEET: 1

DIGHEM, A division of CGG Canada Ltd.

0 0.5 1.0 Km
0 0.5 MI
Scale 1:10 000

093592

DIGHEM
Quality and Service in Airborne Geophysics

TECHNICAL SUMMARY

Navigation	Sercel differential GPS positioning
Data reduction grid interval	25 metres
Terrain clearance	Helicopter 60 m Electromagnetic sensor 30 m Magnetometer, VLF receiver 40 m
Data sampling interval	0.1 second
Magnetometer / sensitivity	Scintrex cesium / 0.01 nT
VLF receiver / sensitivity	Herz 2A / 1%
Electromagnetic system	DIGHEM*

Frequency	Sensitivity	Coil Orientation
900 Hz	0.1 ppm	Vertical coaxial
5500 Hz	0.2 ppm	Vertical coaxial
900 Hz	0.1 ppm	Horizontal coplanar
7200 Hz	0.2 ppm	Horizontal coplanar
56000 Hz	0.5 ppm	Horizontal coplanar

ELECTROMAGNETIC ANOMALIES

Grade	Anomaly	Conductance
7	●	>100 siemens
6	◕	50–100 siemens
5	◒	20–50 siemens
4	◔	10–20 siemens
3	◌	5–10 siemens
2	○	1–5 siemens
1	○	< 1 siemens
–	✳	Questionable anomaly

Anomaly identifier

Interpretive symbol

Inphase and Quadrature of coaxial coil is greater than

Depth is greater than	
. . 15 m	. . 5 ppm
: 30 m	: 10 ppm
! 45 m	! 15 ppm
! 60 m	! 20 ppm

Interpretive symbol	Conductor ("model")
W	Bedrock conductor
D	Narrow bedrock conductor ("thin dike")
S	Conductive cover ("horizontal thin sheet")
H	Broad conductive rock unit, deep conductive weathering, thick conductive cover ("half space")
E	Edge of broad conductor ("edge of half space")
L	Culture, e.g. power line, metal building or fence

FLIGHT LINES WITH EM ANOMALIES

Flight direction

Flight line number

11020

Reflight Number

Line Number

Area Number

Fiducials identified on profiles

Dip direction

EM anomaly (see EM legend)

Conductor axis (on EM maps only)

Arcs indicate the conductor has a thickness > 10m

Magnetic correlation in nT (gammas)

VLF CONTOURS

Contours in percent

10

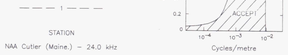
2

1

STATION

NAA Cutler (Maine.) – 24.0 kHz

Frequency response of VLF-EM filter



LOCATION MAP

WESTMIN RESOURCES LIMITED
TY CLAIMS, YUKON

FILTERED VLF

DIGHEM V SURVEY	NTS: 105G/1	GEOPHYSICIST:
DATE: DECEMBER, 1995	JOB: 1239	O.I.E.C.:

DIGHEM, A division of CGG Canada Ltd.

0 0.5 1.0 Km

0 0.5 MI

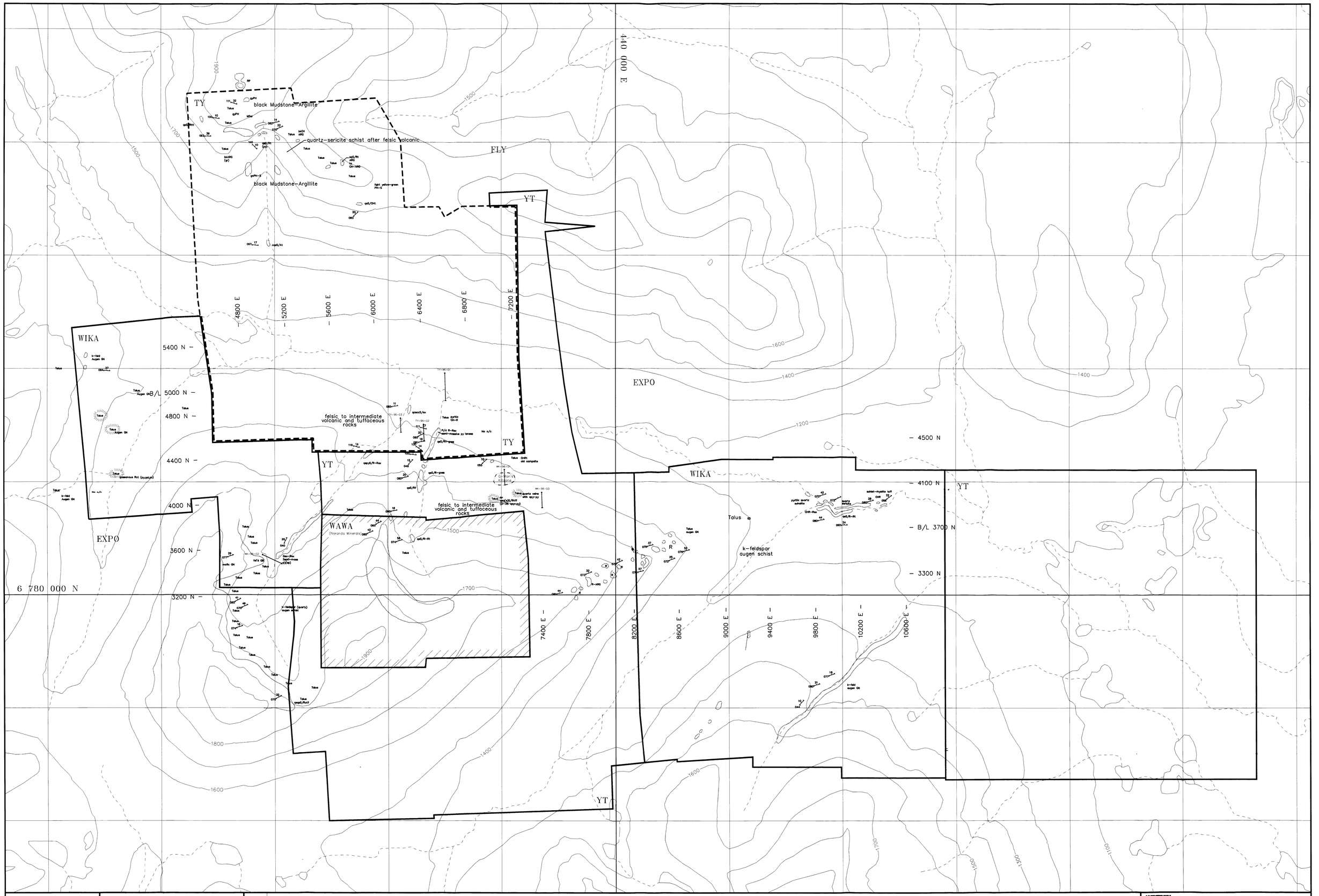
Scale 1:10 000

DIGHEM
Quality and Service in Airborne Geophysics

093592

APPENDIX I

OVERSIZE FIGURES



Location Map
Scale 1 : 15 000 000
TY/WIKA/YT Project Area

UTM GRID NORTH
(True North is approximately 1° East of Grid North)
Magnetic Declination ~ 30° 18' (1996)

WESTMIN Claim Block Outlines (WIKA and YT Claims)
WESTMIN / PACIFIC BAY MINERALS TY Claim Joint Venture Area
WK–96–02 Drill Hole with Identifier
Creeks
Lakes
1600 Topographic Contours (100m contour interval)

Intrusive Rocks
UM Ultramafic
DN Dunite
GB Gabbro
DI Diorite
SY Syenite
MZ Monzonite
GD Granodiorite
G Granite

Volcanic Rocks
B Basalt
A Andesite
D Dacite
RD Rhyodacite
R Rhyolite

Sedimentary Rocks
CG Conglomerate
GT Grit
SS Sandstone
AR Arenite
LS Limestone
SH Shale
MS Mudstone
ARG Argillite
J Jasper
CH Chert

Metamorphic Rocks
PH Phyllite
S Schist
GN Gneiss
QTZ Quartzite

Mineral Prefixes
q quartz
qe quartz–eye
s sericite
c chlorite
m muscovite
b biotite
gr graphite
f feldspar
serp serpentine
cr carbonaceous

Volcanic Modifiers
f flow
t tuff
xt crystal tuff
lt lapilli tuff
dt dust tuff
bx breccia
tbx tuff breccia
amyg amygdaloidal
aph aphyric

Mineralization
po pyrrhotite
py pyrite
cp chalcopyrite
sp sphalerite
gl galena
az azurite
mi malachite
hm hematite
mt magnetite
rd rhodonite
rc rhodochrosite
Ba Barite
Bex Barite exhalite
Qex Quartz exhalite
Mnox Manganese oxide

Colours
gy grey
bk black
gn green
bn brown
bf buff

Volcanic/Intrusive Modifiers
P Porphyry

Symbols
Lithological Contact (defined, inferred)
Fault Contact (defined, inferred)
Shear Zone
Outcrop
Talus, Float
Trench
Bedding
Foliation
Lineation
Fold Axis
Joint

WESTMIN RESOURCES LIMITED

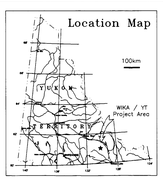
Compilation Map for the 093S 2 TY and WIKA/YT Properties

Work By	D. Terry
Date Drafted	Oct. 25, 1996
Drafted By	A.T. & J.K.
Date Revised	Oct. 30, 1996
Revised By	
N.T.S. Number	105 G/1
File Name	T-W_COMP.DWG

200 0 200 400 600m
SCALE 1 : 10,000

Figure 4.0

Location Map



UTM
GRID
NORTH

(True North is approximately
1° East of Grid North)

Magnetic Declination ~ 30° 18' (1996)

LEGEND

- WESTMIN Claim Block Outlines (WIKA and YT Claims)
- WESTMIN / PACIFIC BAY MINERALS TY Claim Joint Venture Area
- WK-96-02 — Drill Hole with Identifier
- Grid Lines – cut
- Creeks
- Lakes
- 1600 — Topographic Contours (100m contour interval)

Soil Samples		Silt Samples	Rock Samples
grid	contour		
□	□275100	◊133135	◊134775

WESTMIN RESOURCES LIMITED

Work By	WESTMIN
Date Drafted	Oct. 25, 1996
Drafted By	A.T. & J.K.
Date Revised	Nov. 25, 1996
Revised By	
N.T.S. Number	105 G/1
File Name	WIK_CHEM.DWG

WIKA / YT Property

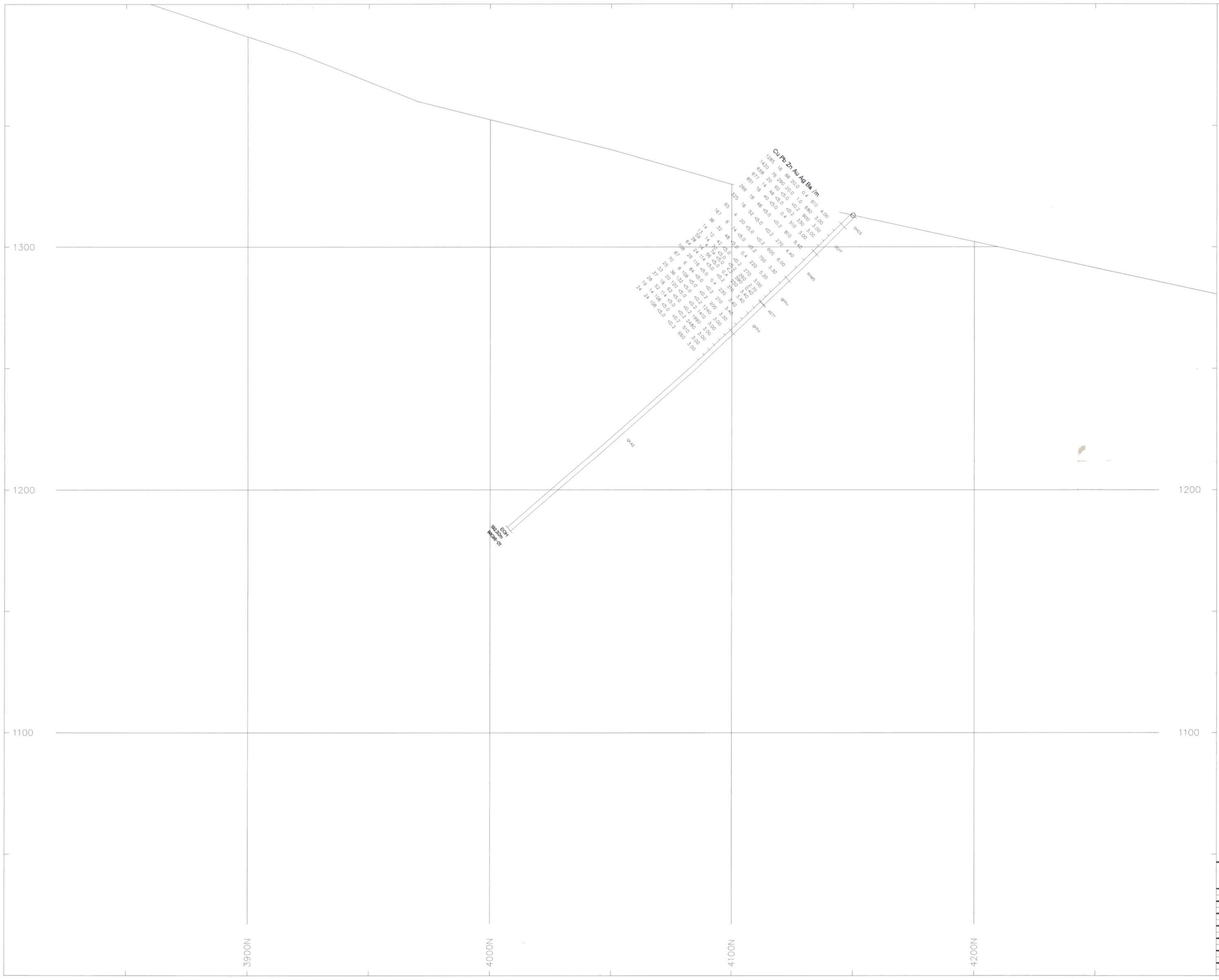
Rock, Soil and Silt Sample Location Map

093592

200 0 200 400 600m

SCALE 1 : 10,000

Figure 5



LEGEND

PLUTONIC OR HYPABYSSAL INTRUSIVES

DIOR "DIORITE"
MFDK "MAFIC DIKE"
QFPH "QUARTZ FELDSPAR PORPHYRY"
QKAS "QUARTZ K-SPAR AUGEN SCHIST"

STRUCTURAL ELEMENTS

STFL "FAULT"
STGG "FAULT GOUGE"
STFB "FAULT BRECCIA"

VEINS AND SULPHIDE ASSEMBLAGES

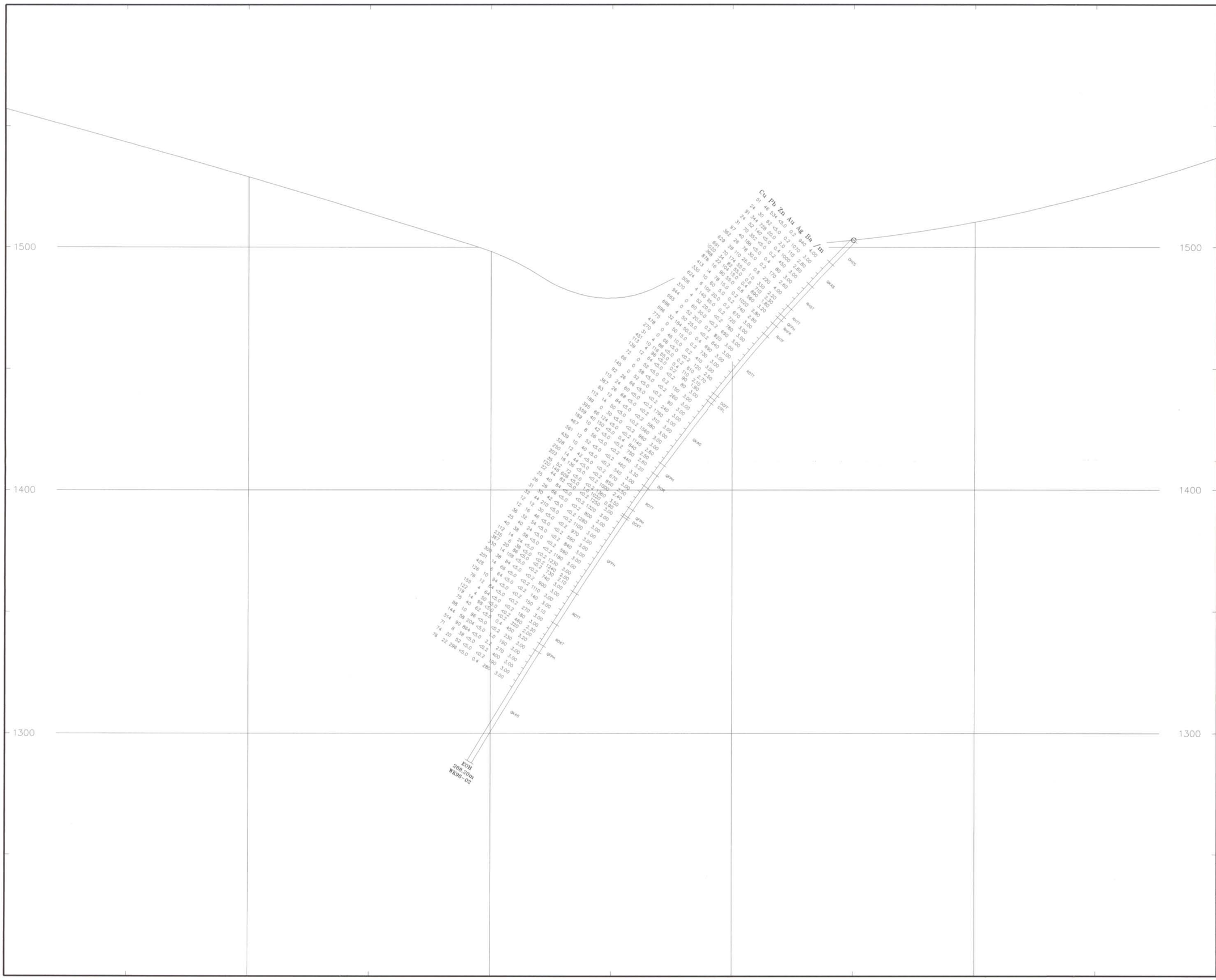
PYMS "MASSIVE SULPHIDE (PYRITE RICH)"
QTVN "QUARTZ VEIN"

VOLCANICS AND VOLCANICLASTICS

ADTT "ANDESITE TUFF"
ADXT "ANDESITE CRYSTAL TUFF"
DCFT "DACITE FINE TUFF"
DCXT "DACITE CRYSTAL TUFF"
RDTT "RHYODACITE TUFF"
RDXT "RHYODACITE CRYSTAL TUFF"
RHFF "RHYOLITE FINE TUFF"
RHFR "RHYOLITE FRAGMENTAL"
RHFS "APHANITIC FELSITE/RHYOLITE"
RHMS "RHYOLITE- MASSIVE"
RHST "SERICITIC RHYOLITE TUFF"
RHTF "RHYOLITE LAPILLI TUFF"
RHTT "RHYOLITE TUFF"
RHXT "RHYOLITE CRYSTAL TUFF"

093592

WESTMIN	WESTMIN RESOURCES LIMITED
Work By: G. Bradshaw	WIKA PROJECT
Date Drafted: Nov. 15, 1996	Section 7100E
Drafted By: G. Bradshaw	Showing Cu (ppm), Pb (ppm), Zn (ppm), Au (ppb), Ag (ppm), Ba (ppm), and width (m) (view to the West)
Date Revised:	
Revised By:	
N.T.S. Number: 105 O/1	10 0 10 20 30m SCALE 1 : 1 000
File Name: WK9601.DWG	Figure: 6.1



LEGEND

PLUTONIC OR HYPABYSSAL INTRUSIVES

DIOR "DIORITE"
MFDK "MAFIC DIKE"
QFPH "QUARTZ FELDSPAR PORPHYRY"
QKAS "QUARTZ K-SPAR AUGEN SCHIST"

STRUCTURAL ELEMENTS

STFL "FAULT"
STGG "FAULT GOUGE"
STFB "FAULT BRECCIA"

VEINS AND SULPHIDE ASSEMBLAGES

PYMS "MASSIVE SULPHIDE (PYRITE RICH)"
QTVN "QUARTZ VEIN"

VOLCANICS AND VOLCANICLASTICS

ABTT "ANDESITE TUFF"
ABXT "ANDESITE CRYSTAL TUFF"

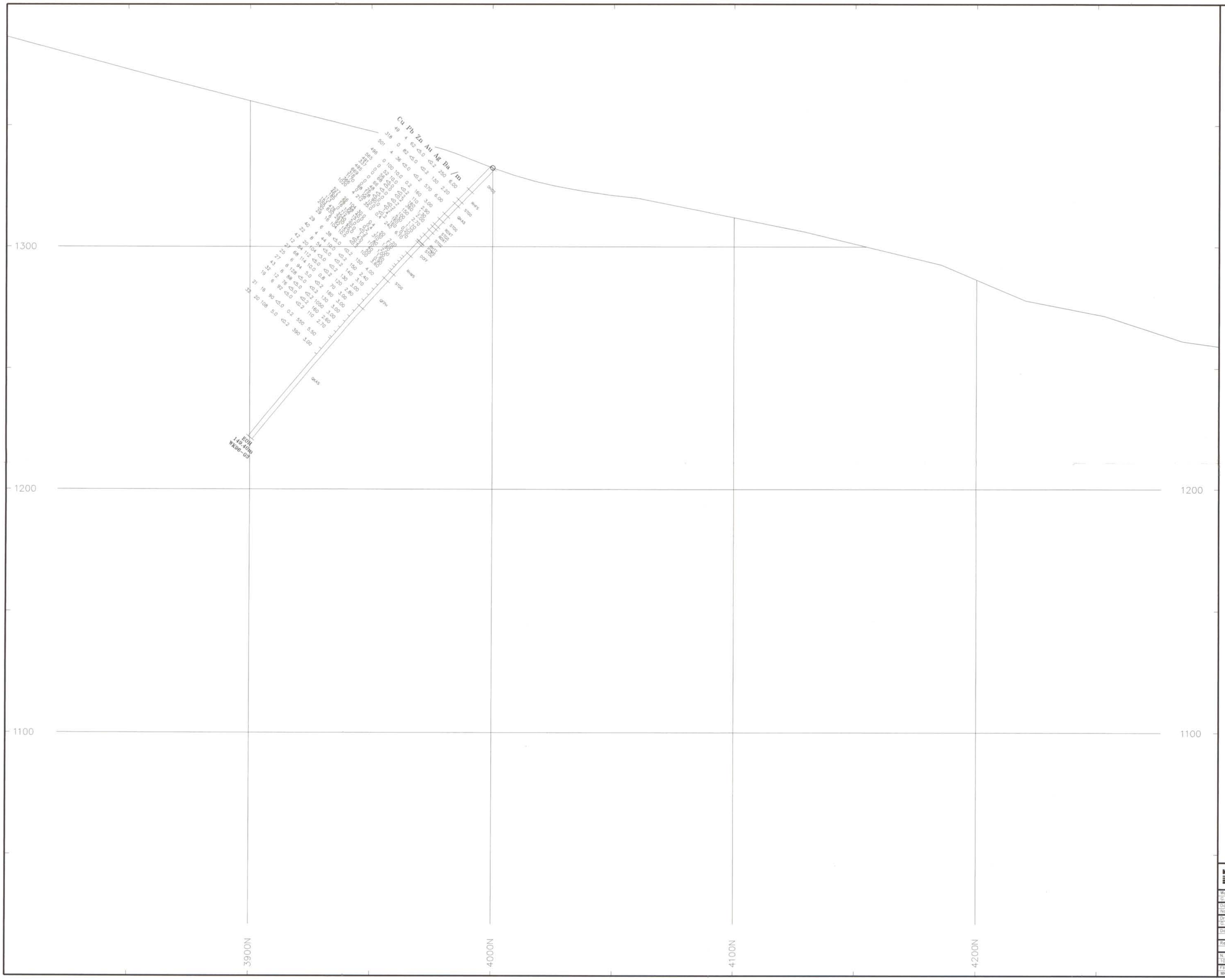
DCTF "DACITE FINE TUFF"
DCXT "DACITE CRYSTAL TUFF"

RDTT "RHYODACITE TUFF"
RDXT "RHYODACITE CRYSTAL TUFF"

RHFF "RHYOLITE FINE-TUFF"
RHFR "RHYOLITE FRAGMENTAL"
RHFS "APHANETIC FELSITE/RHYOLITE"
RHMS "RHYOLITE- MASSIVE"
RHST "SERICITIC RHYOLITE TUFF"
RHTF "RHYOLITE LAPILLI TUFF"
RHTT "RHYOLITE TUFF"
RHXT "RHYOLITE CRYSTAL TUFF"

093502

WESTMIN	WESTMIN RESOURCES LIMITED
Work By: G. Bradshaw	WIKA PROJECT
Date Drafted: Nov. 15, 1996	Section Oblique to Line 5000E
Drafted By: G. Bradshaw	Showing Cu (ppm), Pb (ppm), Zn (ppm), Au (ppb), Ag (ppm), Ba (ppm), and width (m) view to the south-west (205)
Date Revised:	
Revised By:	
N.T.S. Number: 105 G/1	10 0 10 20 30m SCALE 1 : 1 000
File Name: WK9602.DWG	Figure 6.2



LEGEND

PLUTONIC OR HYPABYSSAL INTRUSIVES

DIOR "DIORITE"
MFDK "MAFIC DIKE"
QFPH "QUARTZ FELDSPAR PORPHYRY"
QKAS "QUARTZ K-SPAR AUGEN SCHIST"

STRUCTURAL ELEMENTS

STFL "FAULT"
STGG "FAULT GOUGE"
STFB "FAULT BRECCIA"

VEINS AND SULPHIDE ASSEMBLAGES

PYMS "MASSIVE SULPHIDE (PYRITE RICH)"
QTVN "QUARTZ VEIN"

VOLCANICS AND VOLCANICLASTICS

ADTT "ANDESITE TUFF"
ADXT "ANDESITE CRYSTAL TUFF"

DCFT "DACITE FINE TUFF"
DCXT "DACITE CRYSTAL TUFF"

RDTT "RHYODACITE TUFF"
RDXT "RHYODACITE CRYSTAL TUFF"

RHFF "RHYOLITE FINE TUFF"
RHFR "RHYOLITE FRAGMENTAL"
RHFS "APHANETIC FELSITE/RHYOLITE"
RHMS "RHYOLITE- MASSIVE"
RHST "SERICITIC RHYOLITE TUFF"
RHTF "RHYOLITE LAPILLI TUFF"
RHTT "RHYOLITE TUFF"
RHXT "RHYOLITE CRYSTAL TUFF"

093592

WESTMIN

WESTMIN RESOURCES LIMITED

Work By	G. Bradshaw
Date Drafted	Nov. 15, 1996
Drafted By	G. Bradshaw
Date Revised	
Revised By	
N.T.S. Number	105 G/1
File Name	WK9603.DWG

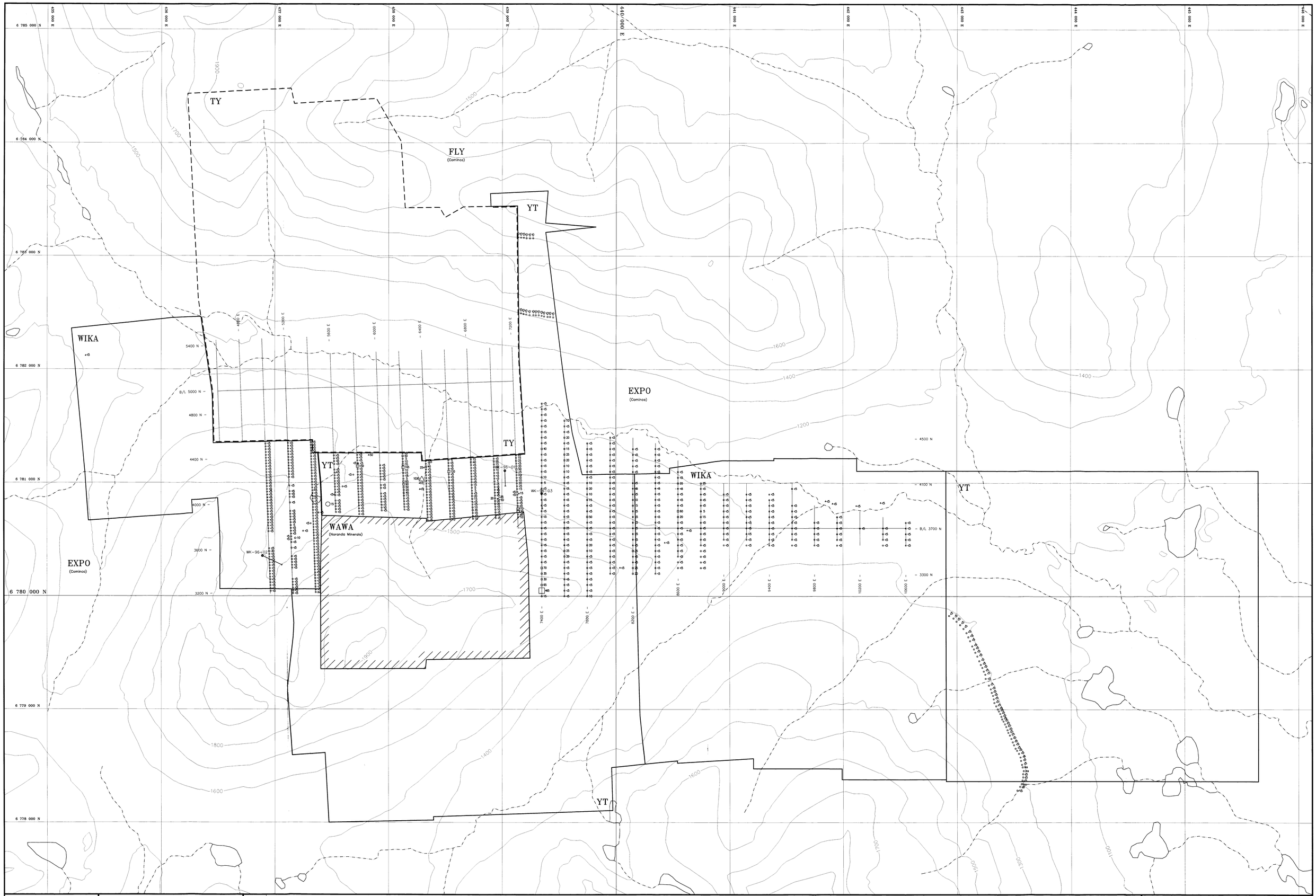
WIKA PROJECT

Section 7400E

Showing Cu (ppm), Pb (ppm), Zn (ppm), Au (ppb), Ag (ppm), Ba (ppm), and width (m) (view to the West)

10 0 10 20 30m
SCALE 1 : 1 000

Figure 6.3



Location Map

100km

Y U K O N

WIKA / YT Project Area

B R I T I S H C O L U M B I A

UTM
GRID
NORTH

(True North is approximately 1° East of Grid North)

Magnetic Declination ~ 30° 18' (1996)

LEGEND

- WESTMIN Claim Block Outlines (WIKA and YT Claims)
- WESTMIN / PACIFIC BAY MINERALS TY Claim Joint Venture Area
- WK-96-02 Drill Hole with Identifier
- Grid Lines – cut
- Creeks
- Lakes
- 1600 Topographic Contours (100m contour interval)

Rock Samples	Soil Samples	Silt Samples
MAX △ 1030	MAX □ 465	MAX ○ 15
MIN · <5	MIN ◦ <5	MIN · <5

ins = insufficient sample size

WESTMIN RESOURCES LIMITED

Work By	WESTMIN
Date Drafted	Oct. 25, 1996
Drafted By	A.T. & J.K.
Date Revised	Nov. 25, 1996
Revised By	
N.T.S. Number	105 G/1
File Name	WK_CHEM.DWG

WIKA / YT Property

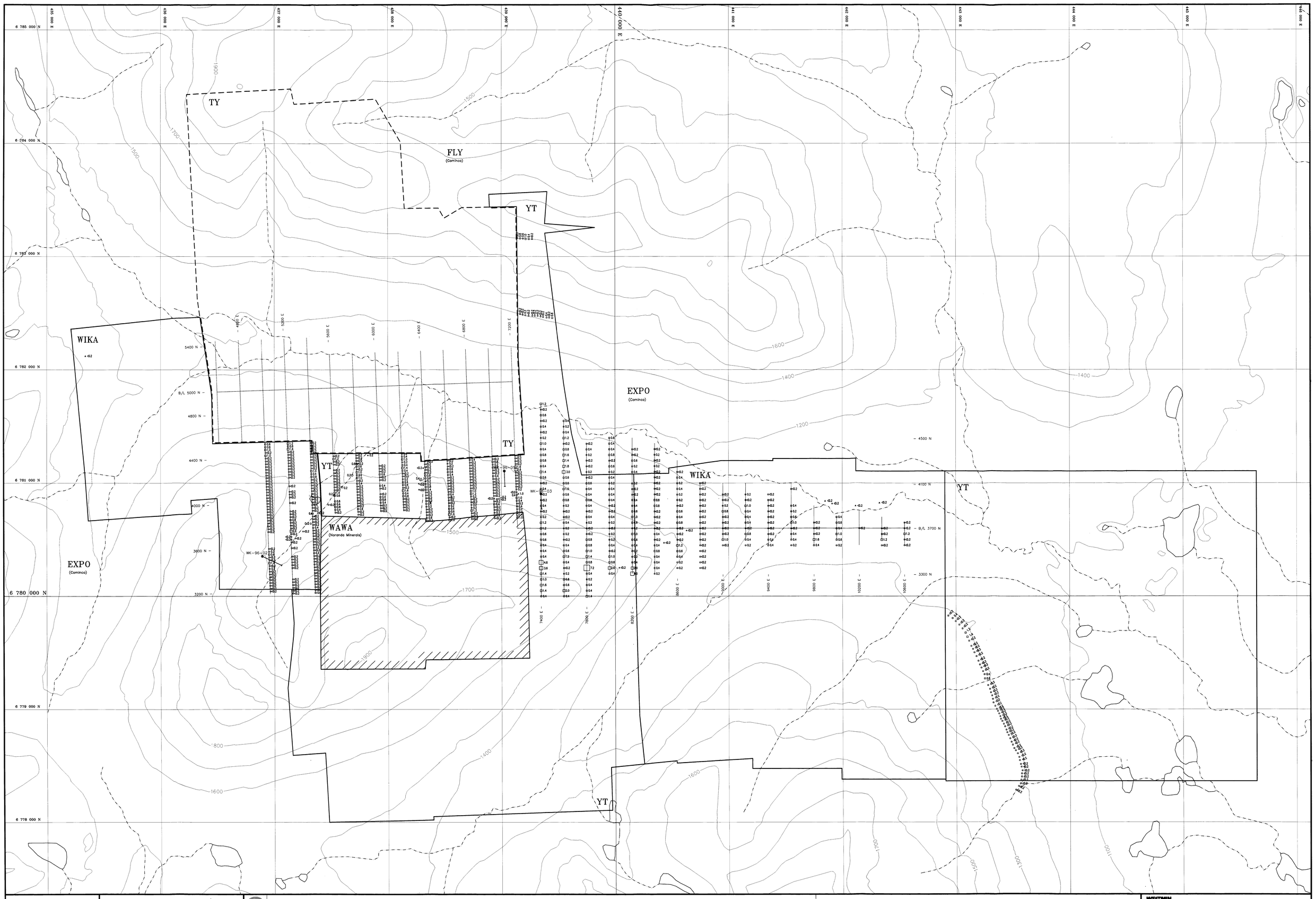
093522

Rock, Soil and Silt Geochemistry Map for Au (ppb)

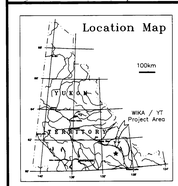
200 0 200 400 600m

SCALE 1 : 10,000

Figure 8.1



Location Map



UTM
GRID
NORTH
(True North is approximately 1° East of Grid North)

Magnetic Declination ~ 30° 18' (1996)

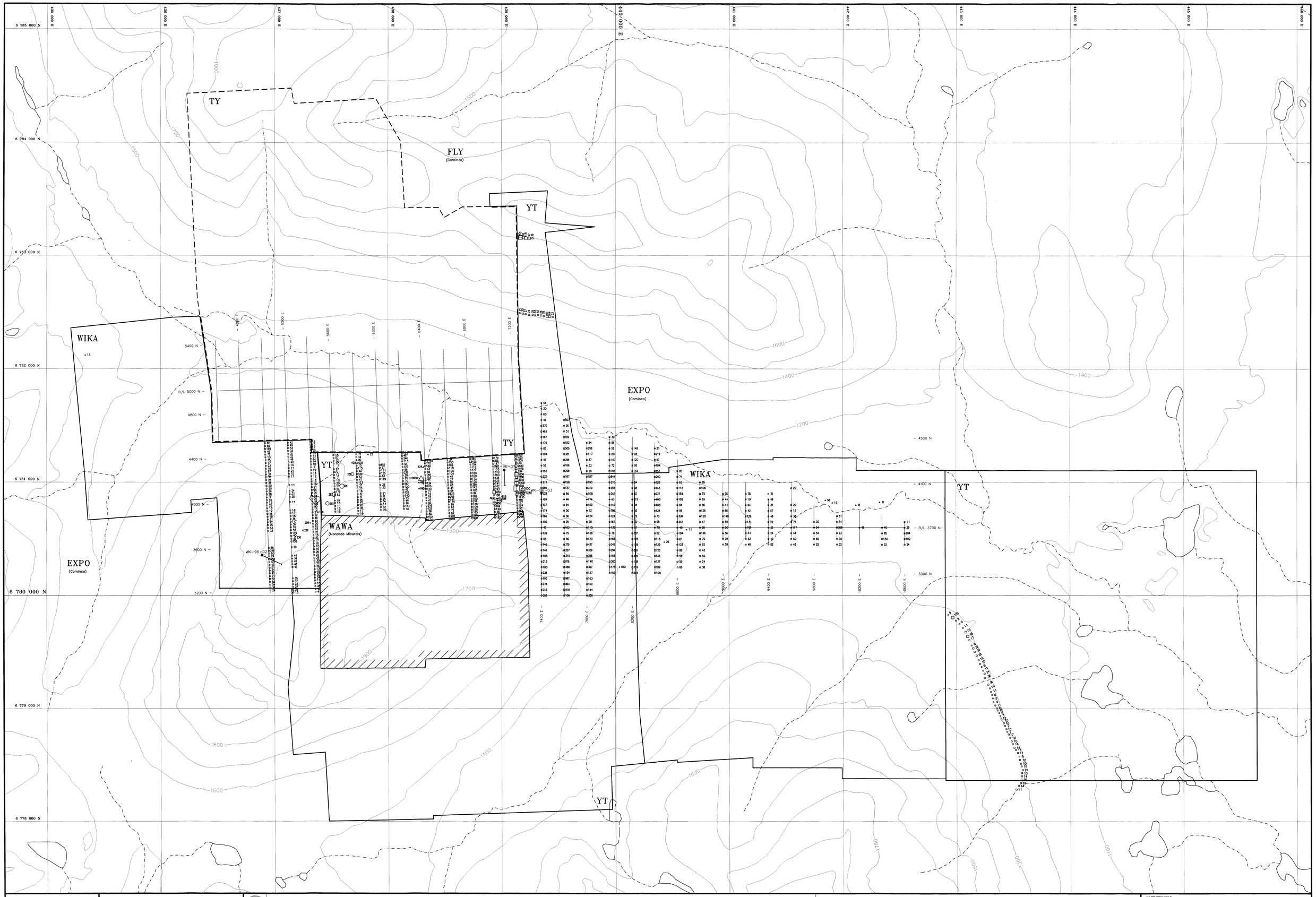
LEGEND

- WESTMIN Claim Block Outlines (WIKA and YT Claims)
- WESTMIN / PACIFIC BAY MINERALS TY Claim Joint Venture Area
- WK-96-02 Drill Hole with Identifier
- Grid Lines – cut
- Creeks
- Lakes
- 1600 Topographic Contours (100m contour interval)

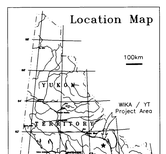
Rock Samples	Soil Samples	Silt Samples
MAX △ 5.4	MAX □ 7.2	MAX ○ 0.2
MIN ▲ <0.2	MIN ▫ <0.2	MIN ◦ <0.2

WESTMIN RESOURCES LIMITED

Work By: WESTMIN	WIKA / YT Property
Date Drafted: Oct. 25, 1996	D935 c2
Drafted By: A.T. & J.K.	Rock, Soil and Silt Geochemistry Map for Ag (ppm)
Date Revised: Nov. 25, 1996	
Revised By:	
N.T.S. Number: 105 G/1	Figure: 8.2
File Name: WIK_CHEM.DWG	200 0 200 400 600m SCALE 1 : 10,000



Location Map



UTM
GRID
NORTH

(True North is approximately 1° East of Grid North)

Magnetic Declination ~ 30° 18' (1996)

LEGEND

- WESTMIN Claim Block Outlines (WIKA and YT Claims)
- WESTMIN / PACIFIC BAY MINERALS TY Claim Joint Venture Area
- WK-96-02 Drill Hole with Identifier
- Grid Lines – cut
- Creeks
- Lakes
- 1600 Topographic Contours (100m contour interval)

Rock Samples	Soil Samples	Silt Samples
MAX △ >10000	MAX □ >10000	MAX ○ 326
MIN • 8	MIN ◦ 4	MIN ◦ 186

WESTMIN RESOURCES LIMITED

Work By	WESTMIN
Date Drafted	Oct. 25, 1996
Drafted By	A.T. & J.K.
Date Revised	Nov. 25, 1996
Revised By	
N.T.S. Number	105 G/1
File Name	WK_CHEM.DWG

WIKA / YT Property

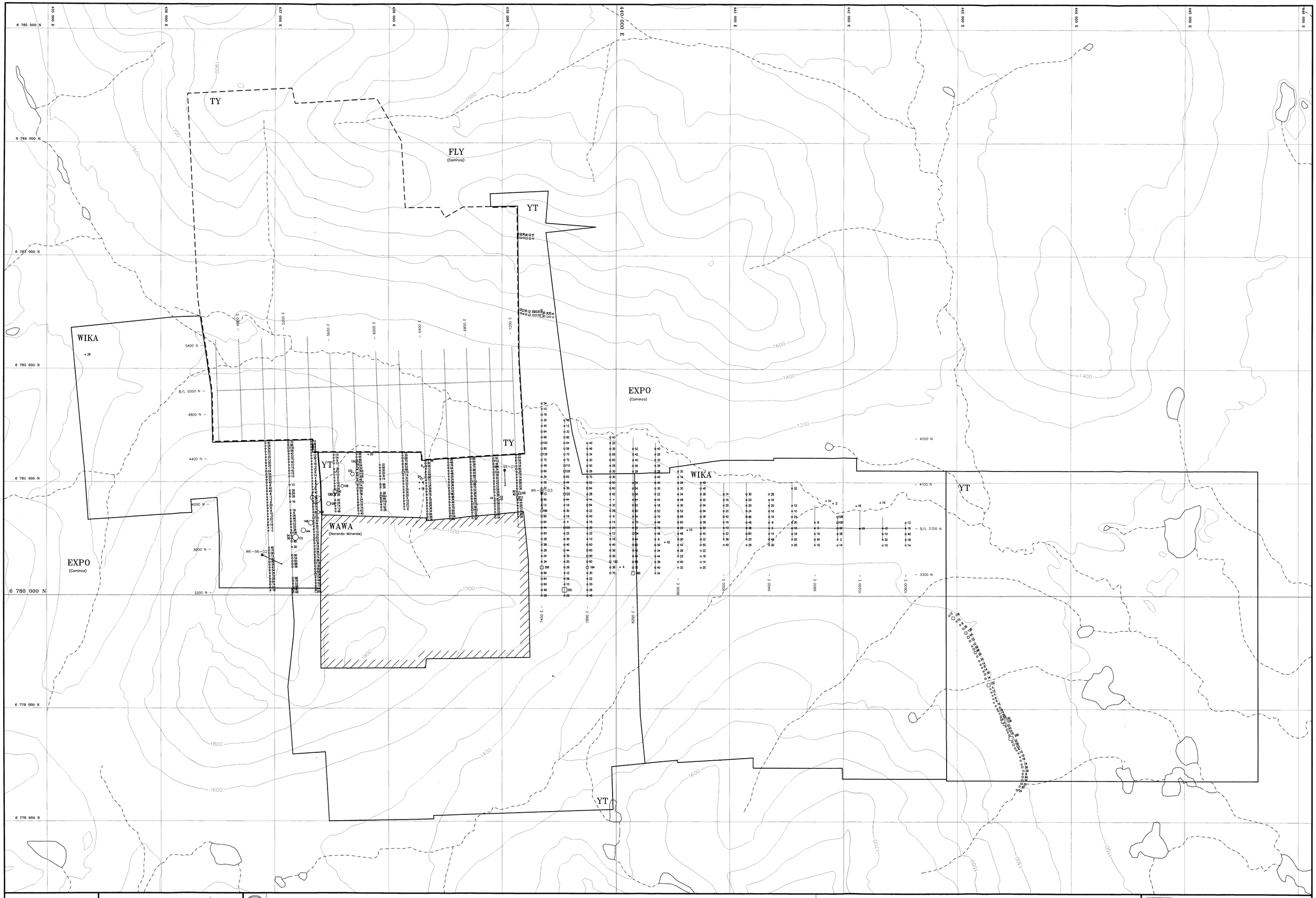
093552

Rock, Soil and Silt Geochemistry Map for Cu (ppm)

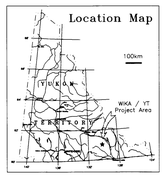
200 0 200 400 600m

SCALE 1 : 10,000

Figure 8.3



Location Map



UTM
GRID
NORTH
(True North is approximately
1° East of Grid North)

Magnetic Declination ~ 30° 18' (1996)

LEGEND

- WESTMIN Claim Block Outlines (WIKA and YT Claims)
- WESTMIN / PACIFIC BAY MINERALS TY Claim Joint Venture Area
- WK-96-02 Drill Hole with Identifier
- Grid Lines – cut
- Creeks
- Lakes
- 1600 Topographic Contours (100m contour interval)

Rock Samples	Soil Samples	Silt Samples
MAX △ 100	MAX □ 520	MAX ○ 172
MIN • <2	MIN ◦ <2	MIN ◦ 100

WESTMIN RESOURCES LIMITED

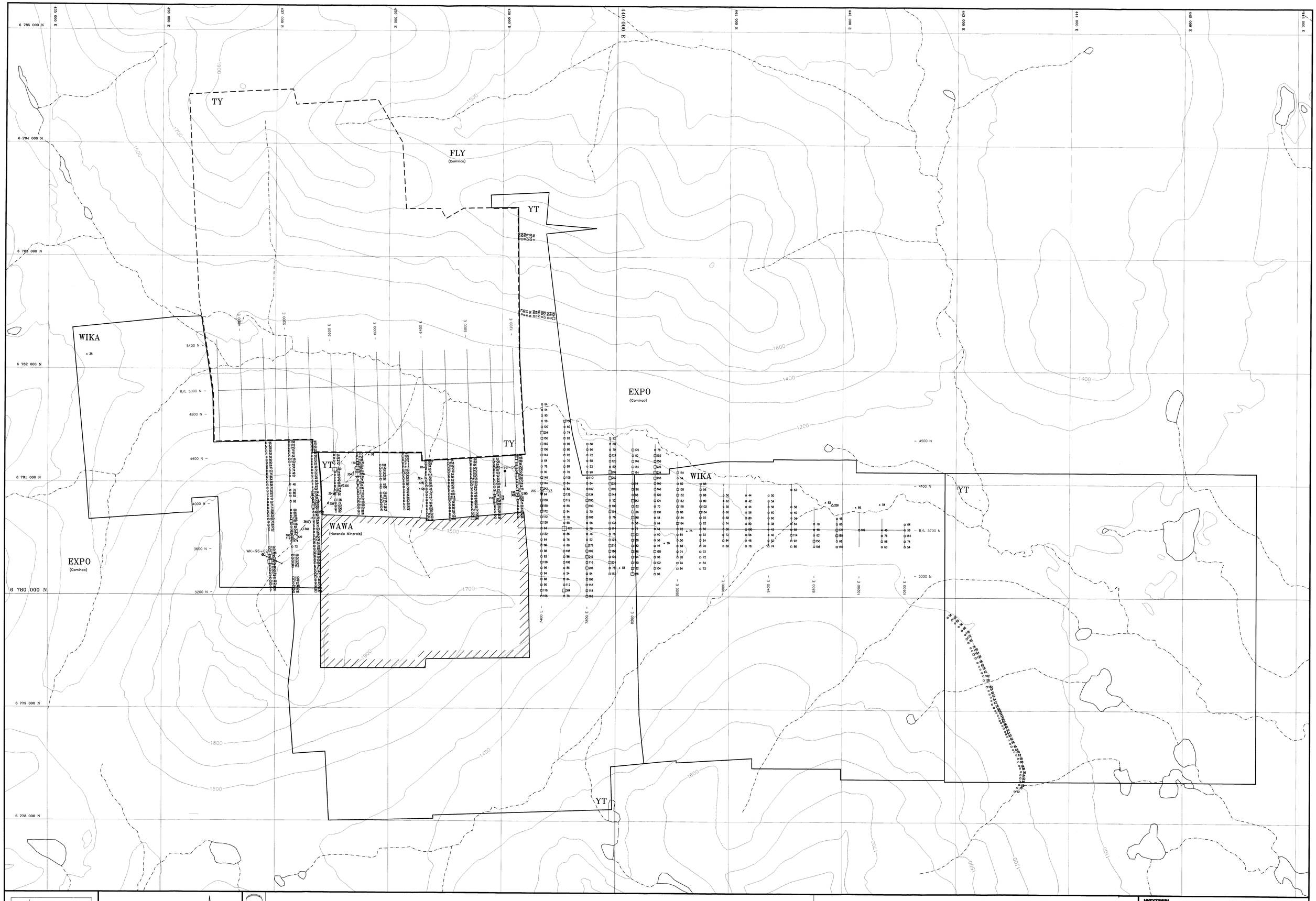
Work By	WESTMIN
Date Drafted	Oct. 25, 1996
Drafted By	A.T. & J.K.
Date Revised	Nov. 25, 1996
Revised By	
N.T.S. Number	105 G/1
File Name	WK_CHEM.DWG

WIKA / YT Property

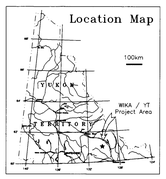
Rock, Soil and Silt Geochemistry Map for Pb (ppm)

200 0 200 400 600m
SCALE 1 : 10,000

Figure 8.4



Location Map



UTM
GRID
NORTH

(True North is approximately
1° East of Grid North)

Magnetic Declination ~ 30° 18' (1996)

LEGEND

WESTMIN Claim Block Outlines (WIKA and YT Claims)

WESTMIN / PACIFIC BAY MINERALS TY Claim Joint Venture Area

WK-96-02 Drill Hole with Identifier

Grid Lines – cut

Creeks

Lakes

1600 Topographic Contours (100m contour interval)

Rock Samples		Soil Samples		Silt Samples	
MAX △	1285	MAX □	558	MAX ○	420
MIN ▲	16	MIN ▫	20	MIN ◦	302

WESTMIN RESOURCES LIMITED

WIKA / YT Property

Rock, Soil and Silt Geochemistry Map for 0935 52 Zn (ppm)

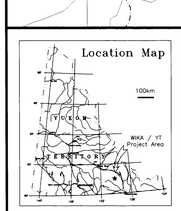
Work By	WESTMIN
Date Drafted	Oct. 25, 1996
Drafted By	A.T. & J.K.
Date Revised	Nov. 25, 1996
Revised By	
N.T.S. Number	105 G/1
File Name	WIK_CHEM.DWG

200 0 200 400 600m

SCALE 1 : 10,000

Figure 8.5

Location Map



UTM
GRID
NORTH

(True North is approximately 1° East of Grid North)

Magnetic Declination ~ 30° 18' (1996)

LEGEND

- WESTMIN Claim Block Outlines (WIKA and YT Claims)
- WESTMIN / PACIFIC BAY MINERALS TY Claim Joint Venture Area
- WK-96-02 — Drill Hole with Identifier
- Grid Lines – cut
- Creeks
- Lakes
- 1600 — Topographic Contours (100m contour interval)

Rock Samples	Soil Samples	Silt Samples
MAX △ 2210	MAX □ 8030	MAX ○ 1640
MIN • 50	MIN • 360	MIN • 1400

WESTMIN RESOURCES LIMITED

Work By	WESTMIN
Date Drafted	Oct. 25, 1996
Drafted By	A.T. & J.K.
Date Revised	Nov. 25, 1996
Revised By	
N.T.S. Number	105 G/1
File Name	WK_CHEM.DWG

WIKA / YT Property

Rock, Soil and Silt Geochemistry Map for Ba ppm 093592

200 0 200 400 600m

SCALE 1 : 10,000

Figure 8.6