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WIKI/YT PROPERTY

**1997 ASSESSMENT REPORT DESCRIBING GEOLOGICAL SURVEYS ON
THE YT (86-91) CLAIMS, FINLAYSON LAKE AREA, YUKON TERRITORY**

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



Prepared for

**Westmin Resources Limited
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by

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DATE DUE

March, 1998

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is hereby set as
representative of work in the amount
of \$ 2400.00.

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

TABLE OF CONTENTS

1.0	INTRODUCTION	4
2.0	LOCATION, ACCESS, AND PHYSIOGRAPHY	4
3.0	LIST OF CLAIMS AND OWNERSHIP	6
4.0	PREVIOUS WORK	8
5.0	REGIONAL GEOLOGY	9
6.0	PROPERTY GEOLOGY	13
6.1	Rock Geochemistry	14
7.0	CONCLUSIONS AND RECCOMENDATIONS	23
	REFERENCES	24
	APPENDIX	

LIST OF TABLES

3.1	List of Claims	6
6.1	Rock Geochemistry	15

LIST OF FIGURES

1.0	Property Location Sketch	5
2.0	Claim Location Sketch	7
3.1	Tectonic Setting Map	10
3.2	Regional Geology Map	12
6.1	Sample Location Map (1:1,000)	16
6.2	Au in Rock (ppb) (1:1,000)	17
6.3	Ag in Rock (ppm) (1: 1,000)	18
6.4	Cu in Rock (ppm) (1:1,000)	19
6.5	Pb in Rock (ppm) (1:1,000)	20
6.6	Zn in Rock (ppm) (1:1,000)	21
6.7	Ba in Rock (ppm) (1:1,000)	22

LIST OF APPENDICES

A	Statement of Expenditures
B	List of Claims
C	List of Personnel
D	Geologists Certificates
E	Rock Sample Descriptions
F	Assay Certificates
G	Whole Rock Plots

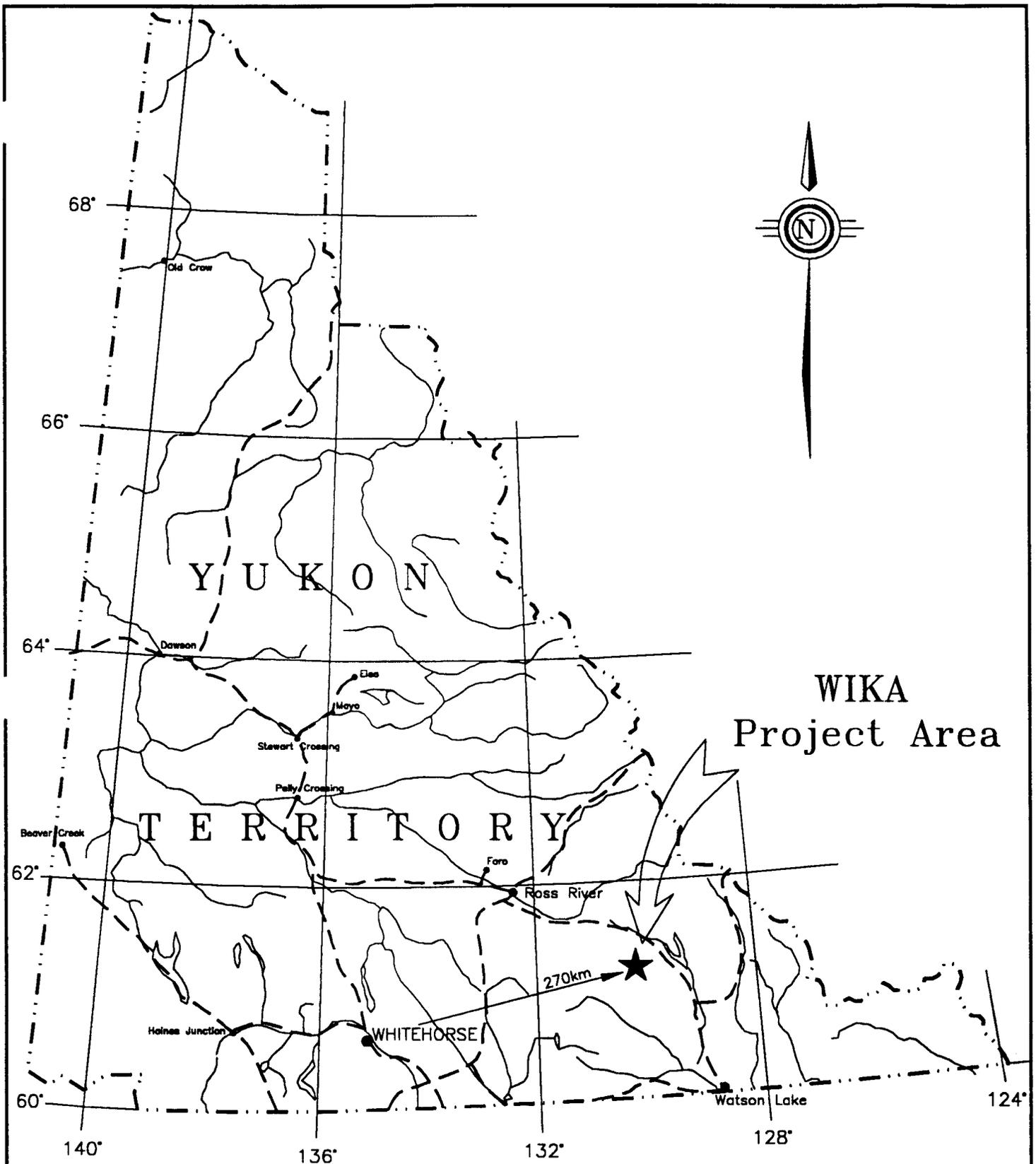
1.0 INTRODUCTION

One day was spent prospecting and sampling on the YT 86-91 claims on September 14, 1997 by 3 geologists. In 1996 an airborne geophysical survey was flown over portions of the WIKA and YT claim groups and linecutting, geologic mapping, and soil sampling were carried out over much of the claim group and then holes were drilled in the central portion of the property to test soil anomalies (Terry et al., 1997). As the YT 86-91 were not staked until later in the summer, the work done in 1996 could not be applied to them for assessment credits. As a result the current survey provides the assessment expenditures necessary to hold the claims and allows for further evaluation of their mineral potential. The field work was conducted by Westmin Resources Limited field personnel who are listed in Appendix C. All samples were sent to Chemex Labs in North Vancouver, B.C. for analysis. The exploration program was supervised by the author.

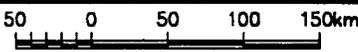
2.0 LOCATION, ACCESS AND PHYSIOGRAPHY

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.

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



WIK A
Project Area

	WESTMIN RESOURCES LIMITED	
Work By Westmin	WIK A PROJECT	
Date Drafted Nov. 24, 1996	WIK A / YT Property Location Sketch	
Drafted By A. Turner		
N.T.S. Number 105 G/1		Figure
File Name PUCK_LOC.DWG		1
	Scale 1 : 2 500 000	

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 anastomosing valleys, isolated mountains and small mountain ranges. Tributaries to drainages occupying the valleys commonly originate in cirque valleys. Wide valleys are commonly infilled with glaciofluvial sediments.

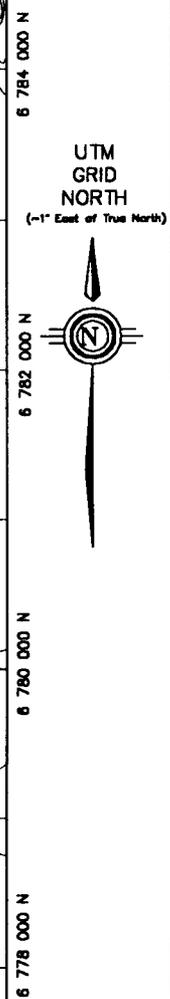
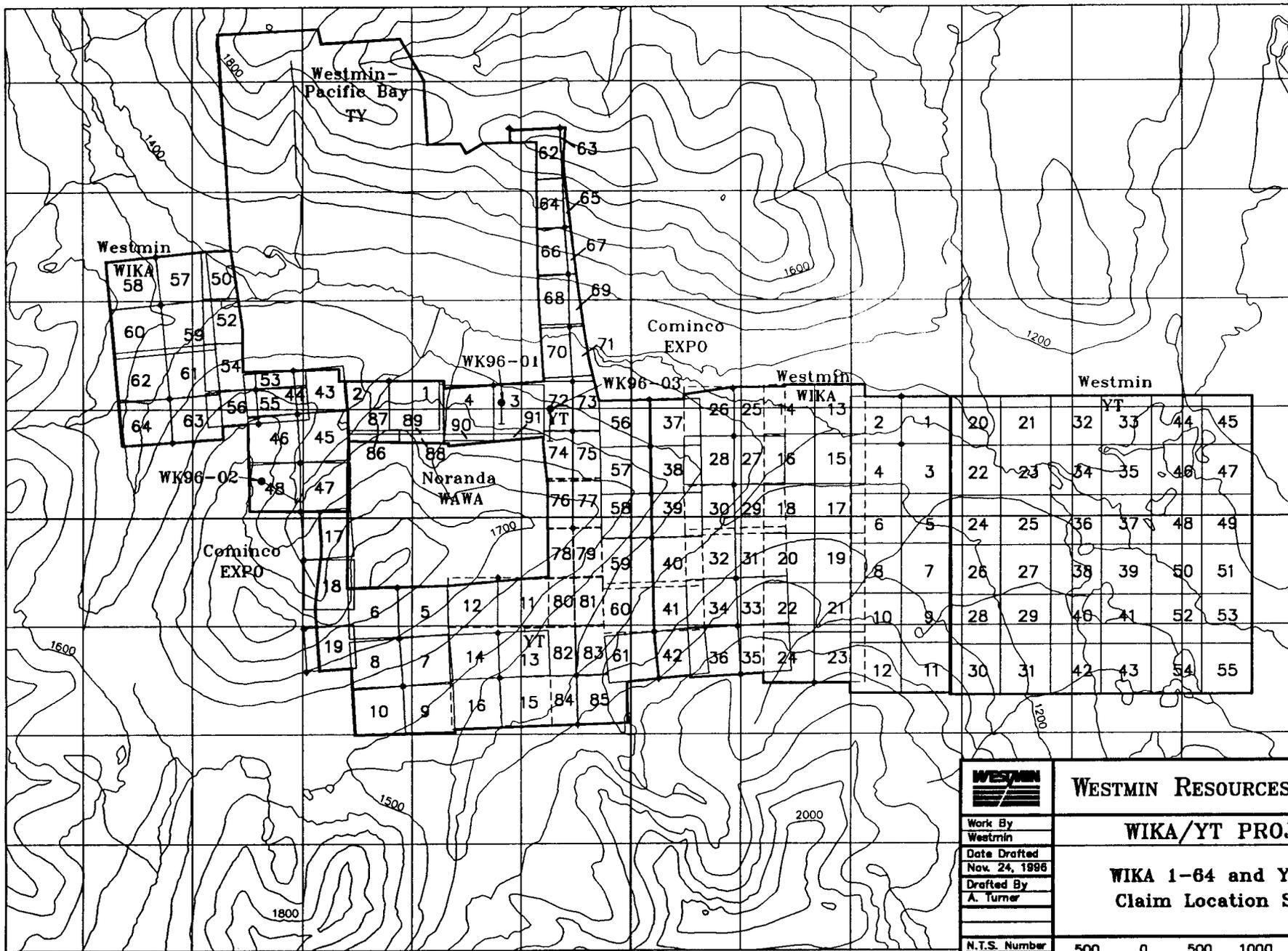
The valley which occurs to the north of the main portion of the WIKA and YT claims is occupied by glaciofluvial deposits of greater than 5 meters thickness. Treeline ranges from 1400 to 1500 meters above sea level, below which vegetation is dominated by black spruce and balsam fir. Most of the outcrop 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

3.0 LIST OF CLAIMS AND OWNERSHIP

Claim names, record numbers, and expiry dates for the YT claims covered by this report are shown in Table 3.1 and a complete listing of the WIKA/YT claims is given in Appendix B. These tables both take into account the current assessment filing. 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..

Table 3.1 Claim Information

Prefix	Disposition #	Claim Name	Expiry Date (current)
YB	87462	YT 86	September 20, 2001
YB	87463	YT 87	September 20, 2001
YB	87464	YT 88	September 20, 2001
YB	87465	YT 89	September 20, 2001
YB	87466	YT 90	September 20, 2001
YB	87467	YT 91	September 20, 2001



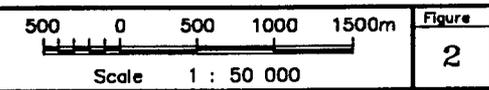
438 000 E 438 000 E 444 000 E 442 000 E

Work By Westmin
Date Drafted Nov. 24, 1988
Drafted By A. Turner
N.T.S. Number 105 G/1
File Name T_W_CLM.DWG

WESTMIN RESOURCES LIMITED

WIKA/YT PROJECT

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



4.0 PREVIOUS WORK

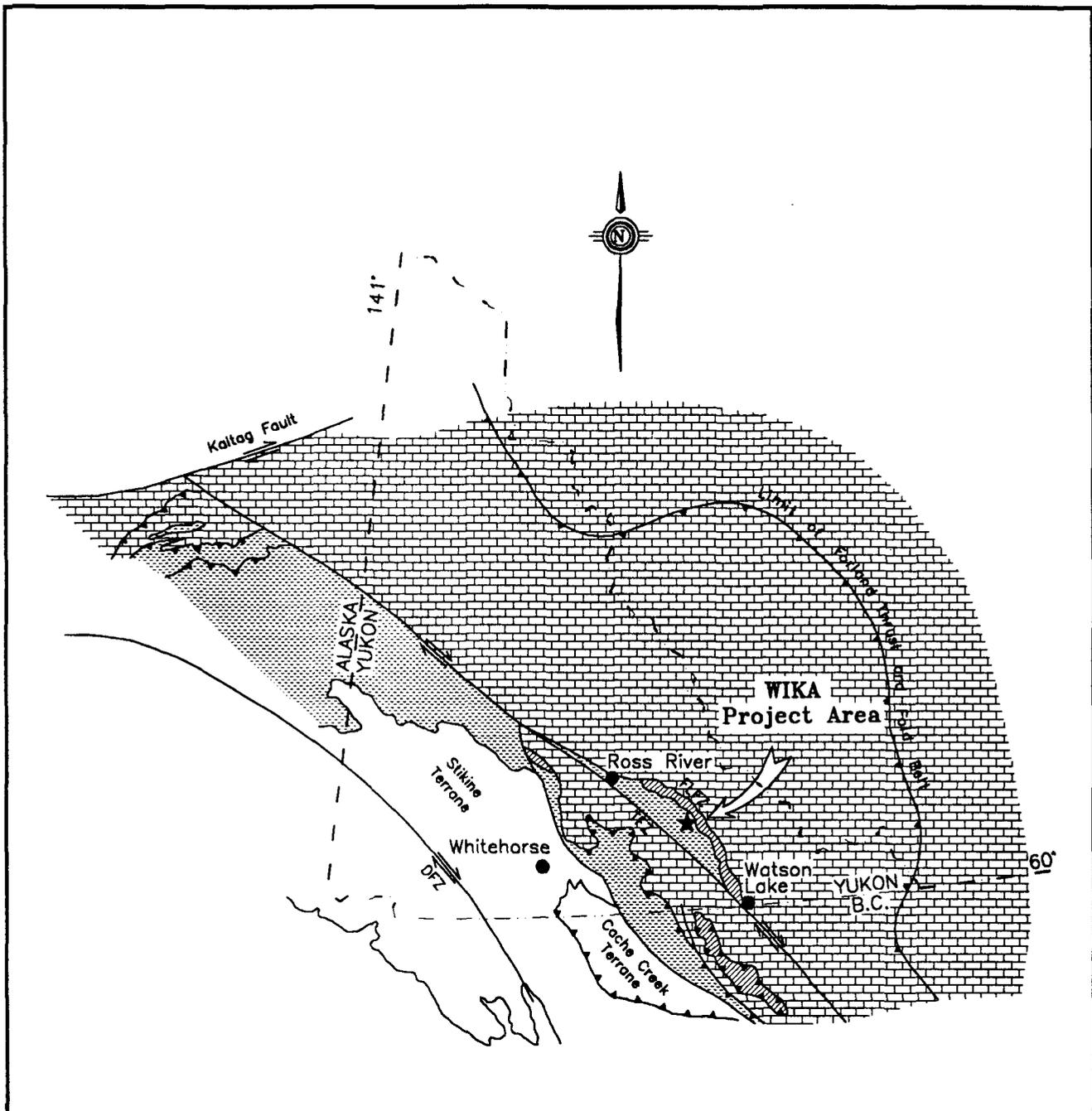
The WIKA and YT claims were staked around the perimeter of the preexisting TY claims. The area now covered by part of the TY claims and the strip of YT claims which abuts the southern TY claim boundary was originally staked as the PY claims by Cyprus Anvil Mining Corporation in 1975 to cover a regional 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 geophysical 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. During the summer of 1996 Westmin carried out linecutting, geological mapping, soil sampling, and ground geophysical surveys over the claims and completed 3 diamond drill holes for a total of 609.9 meters. Values of up to 465 ppb Au, 7.2 ppm Ag, >10,000 ppm Cu, 520 ppm Pb, 558 ppm Zn, and 8030 ppm Ba were attained in the soil sampling program (Terry et al., 1997).

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.



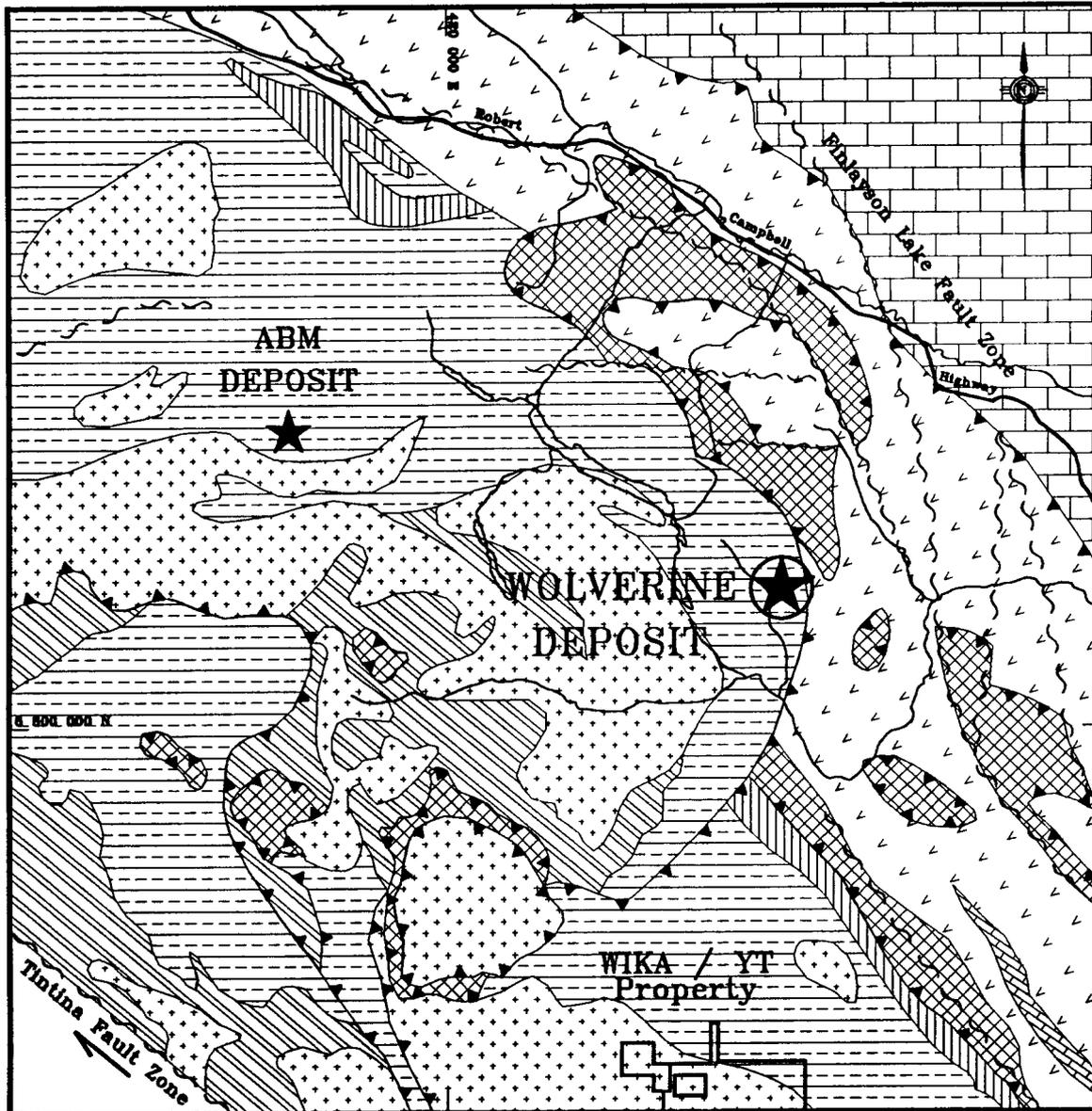
LEGEND

-  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		WIKI/YT PROJECT	
Date Drafted Nov. 24, 1996		Tectonic Setting after Mortensen and Jilson (1985)	
Drafted By A.T. & J.K.			
N.T.S. Number	100 0 100 200 250km		Figure
File Name YUK_TAN.DWG	Scale 1 : 10 000 000		3.1

Regional metamorphism throughout the YTT ranges from very low grade to amphibolite facies. Radiometric dating suggests that metamorphic events may have occurred at different times in different subterranean. Mortensen and Jilson (1985) have subdivided the YTT in the Finlayson Lake Belt into six major lithologic packages: 1) a sequence of layered metasediments and metamorphic rocks; 2) Paleozoic metaplutonic rocks; 3) middle to late Paleozoic mafic and ultramafic igneous rocks and chert; 4) early Mesozoic clastic rocks; 5) Mesozoic plutonic rocks; and 6) Late Cretaceous and/or early Tertiary volcanic rocks (Figure 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 serpentized 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 allochthon whereas they are referred to as the Campbell Range Belt by Mortensen and Jilson (1985). They are thought to correlate with the Slide Mountain terrane in British Columbia and based upon U-Pb zircon dates and fossil ages they range



GEOLOGICAL LEGEND

Slide Mountain Terrane

-  Carbonate Rocks
-  Metavolcanic Rocks and Cherts
-  Ultramafic Rocks

Nisutlin Subterrane and Pelly Gneissic Terrane

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

Autochthonous 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



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Work By
WESTMIN
Date Drafted
Nov. 24, 1998
Drafted By
A. Turner
Date Revised
Revised By

WIKI / YT PROJECT

Regional Geology Map

Modified after Mortensen and Jilson (1985)

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

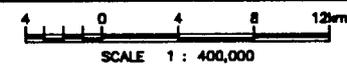


Figure
3.2

from latest Devonian to Early Permian in age. The southern portion of the Finlayson Lake Fault Zone adjacent to the Wolverine Lake area is overlapped by thrust sheets of the Campbell Range Belt in a flower-fault structural relationship (Mortensen, 1996 personal communication). The ophiolitic package is interpreted to have been thrust from northeast to southwest otop 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 of the 1996 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 (porphyroblasts?) 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-feldspar 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 Rock Geochemistry

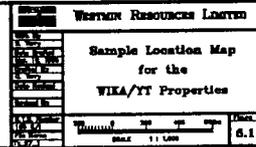
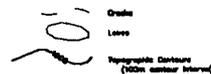
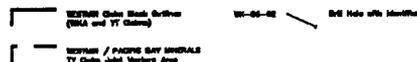
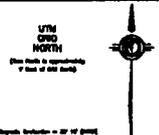
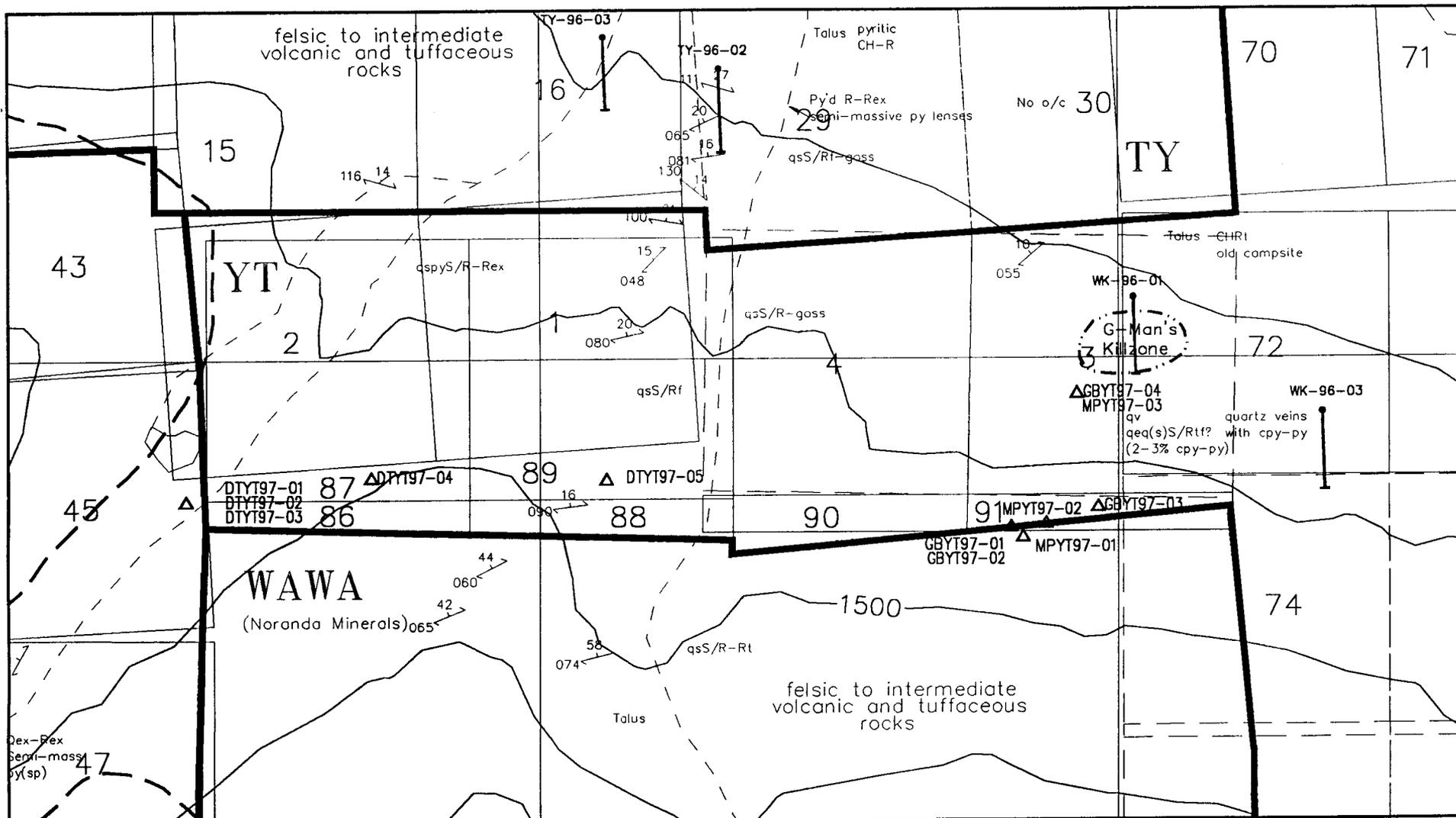
A summary of precious and base metal geochemistry of the 12 grab samples collected on the YT claims is given in Table 6.1. Sample descriptions

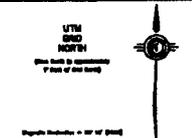
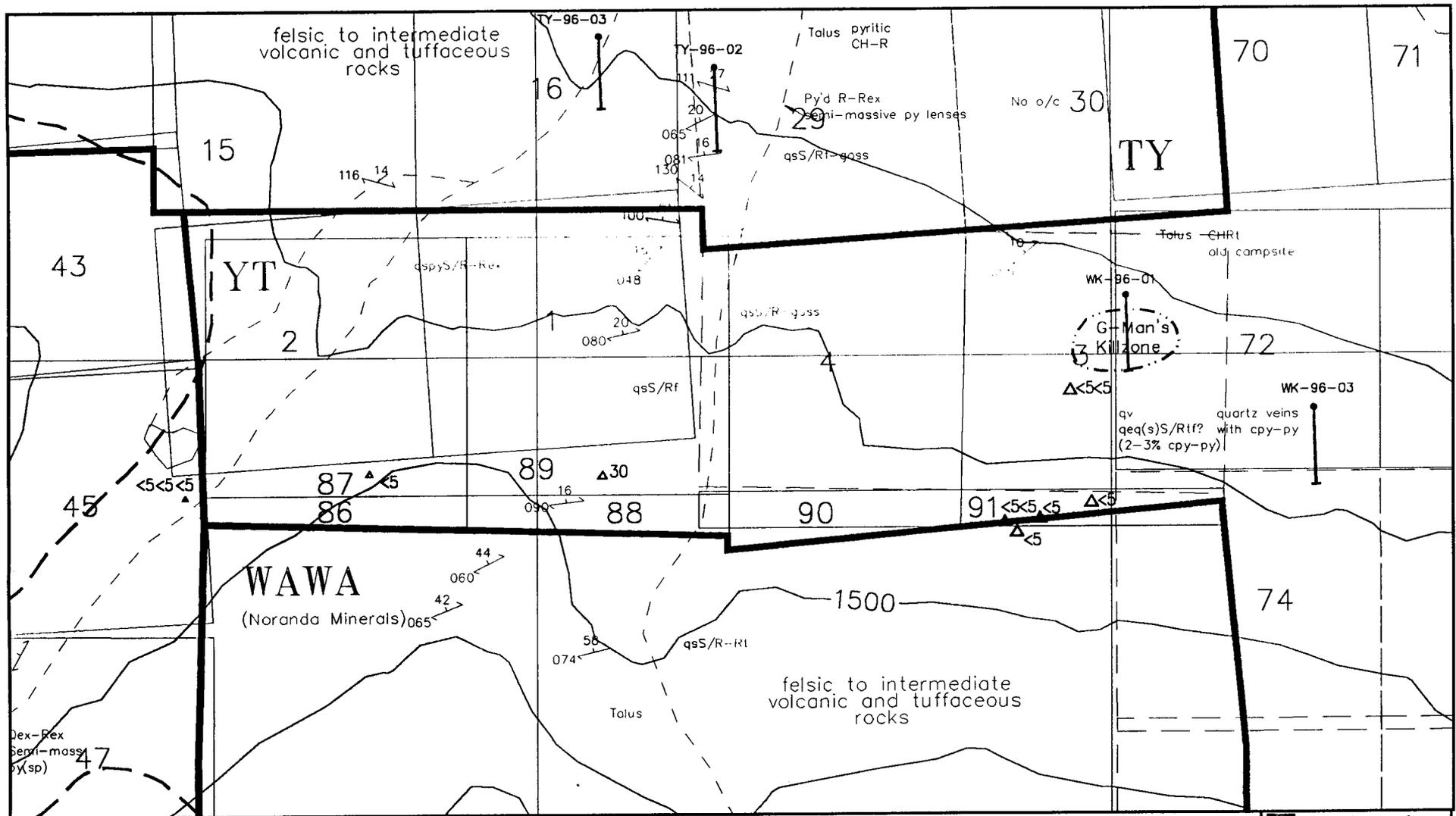
are located in Appendix E and assay certificates are located in Appendix F. Sample locations are plotted on Figure 6.1 and Au, Ag, Cu, Pb, Zn, and Ba values are shown on Figures 6.2 to 6.7, respectively. The base and precious metal values from the sampling were all low with the exception of sample DTYT97-05 which contained 1960 ppm Cu.

Table 6.1 Rock Geochemistry

	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ba ppm
Minimum	0.25	0.1	8	1	22	70
Maximum	30	0.4	1960	30	162	2120
Average	2.7	0.1	264	15	65	549
Percentiles						
95th	13.6	0.2	1131	30	135	1460
90th	0.25	0.1	428	30	111	904
80th	0.25	0.1	199	27	99	744
75th	0.25	0.1	159	25	86	700
50th	0.25	0.1	81	13	47	380
10th	0.25	0.1	16	4	28	153

Three of the samples collected were submitted for whole rock analysis by ICP-MS to Chemex Labs of North Vancouver, B.C.. These results are also tabulated in Appendix F and selected discriminant plots and REE plots are given in Appendix G. Samples DTYT97-01 and 04 have similar chemistry suggesting that they were derived from a similar melt. Al_2O_3 varies between 12.8 and 15.4 wt. %, SiO_2 ranges from 65-75 wt. % and Zr ranges from 98-112 ppm collectively suggesting a felsic protolith. On plot Appendix G-1 the two samples plot just below the dacite and rhyolite field, suggesting that alkalis have been removed from the rock. Trace element plot G-2 shows DTYT97-01 to be rhyodacite-dacite in composition and DTYT97-04 to be rhyolite in composition. On Plot G-3 DTYT97-01 plots along the trachy-andesite/alkali basalt boundary whereas DTYT97-04 plots on the trachy-andesite rhyodacite-dacite boundary. Interestingly GBYT97-03 plots in the andesite field on this plot. The REE plot (G-4) shows DTYT99-04 to have a higher Σ REE and a negative Eu anomaly. DTYT97-01 has a similar pattern, lower Σ REE and no Eu anomaly. This suggests that if both rocks are derived from the same melt then DTYT97-01 was





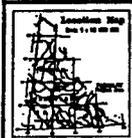
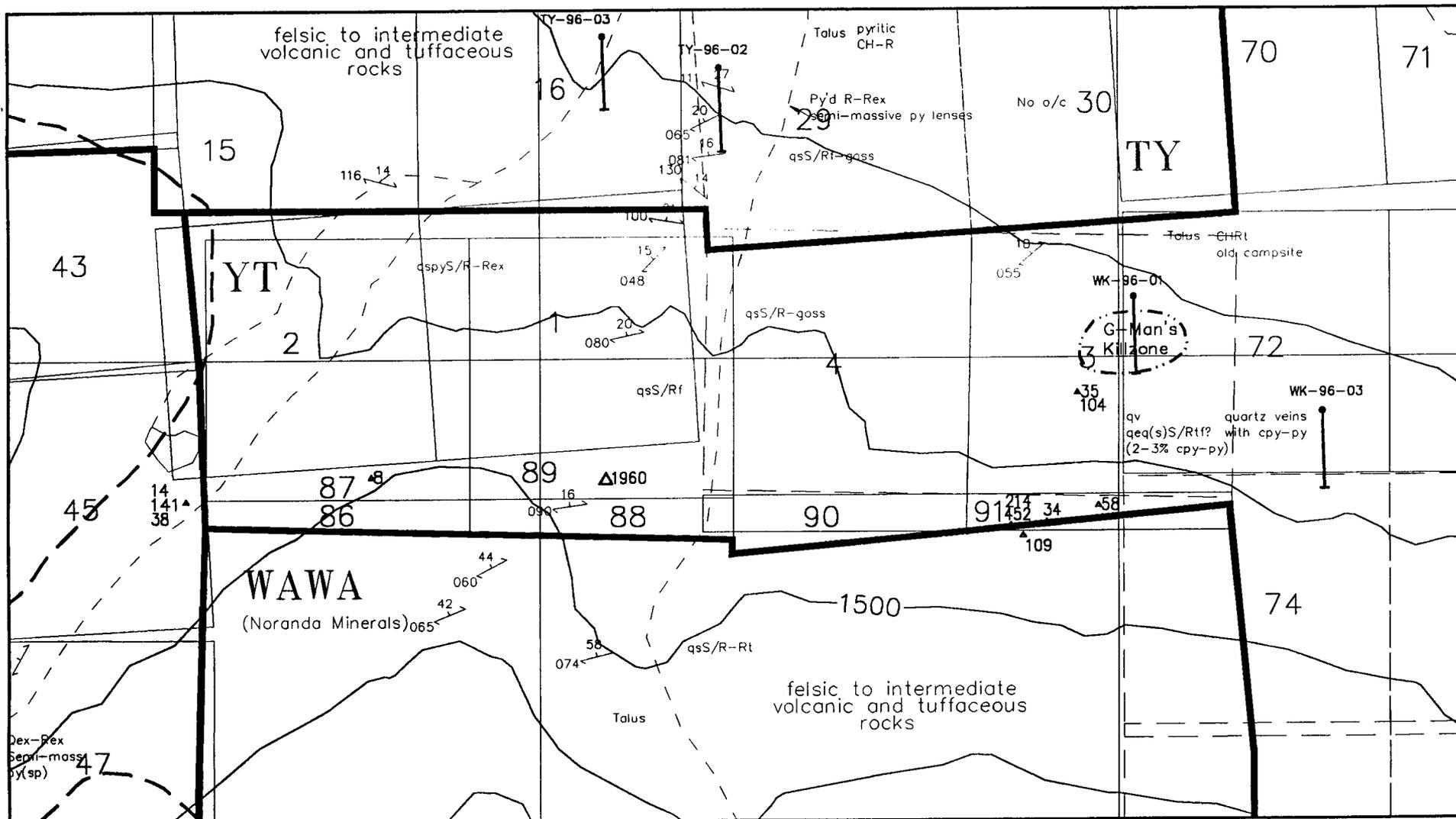
WESTERN DRAIN BASIN (WDB and TY Basin)
 WESTERN / PACIFIC BAY MINERALS
 TY Basin Joint Venture Area

TY-96-02
 Old hole with monitor

Contour
 Low
 Topographic Contours
 (Other contour interval)

Legend for geological features and symbols.

WESTERN RESOURCES LIMITED	
Au in ppb 1987 Rock Sampling WAWA/TY Properties	
Scale: 1:10,000	Sheet: 0.2



UTM
GRID
NORTH
This map is contoured
7 feet of 100 feet

WESTERN OILFIELD DIVISION
(WMA and TY Oils)

WESTERN / PACIFIC OIL MINERALS
TY Oils, Land, Worked Area

Drain
Lakes
Topographic Contours
(100m contour interval)

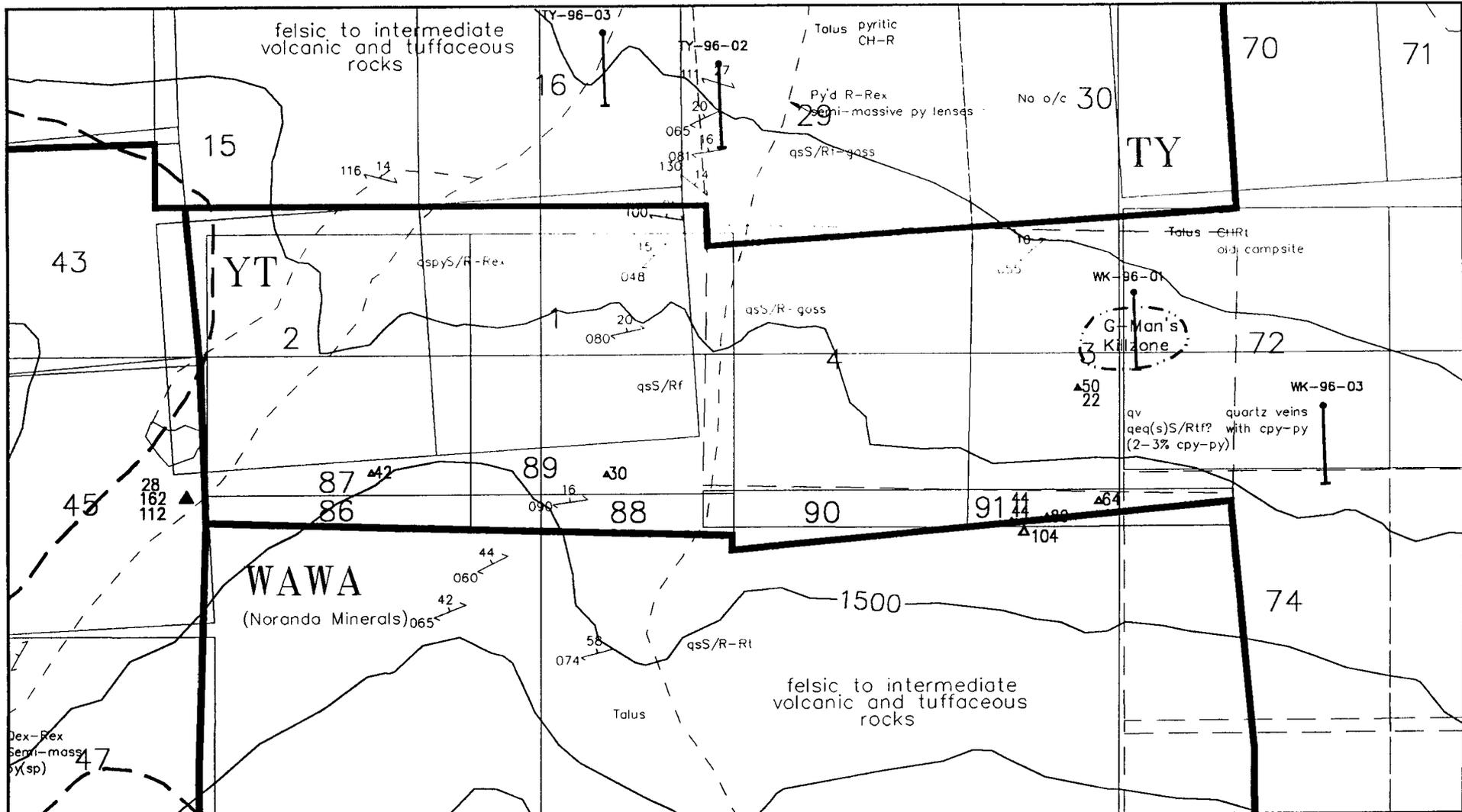
Geological Symbols

Metamorphic Rocks

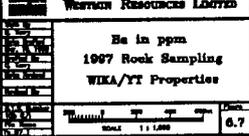
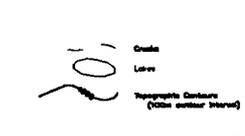
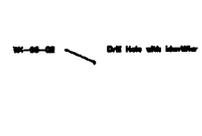
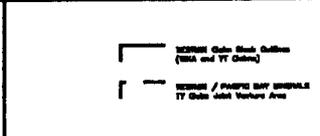
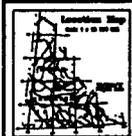
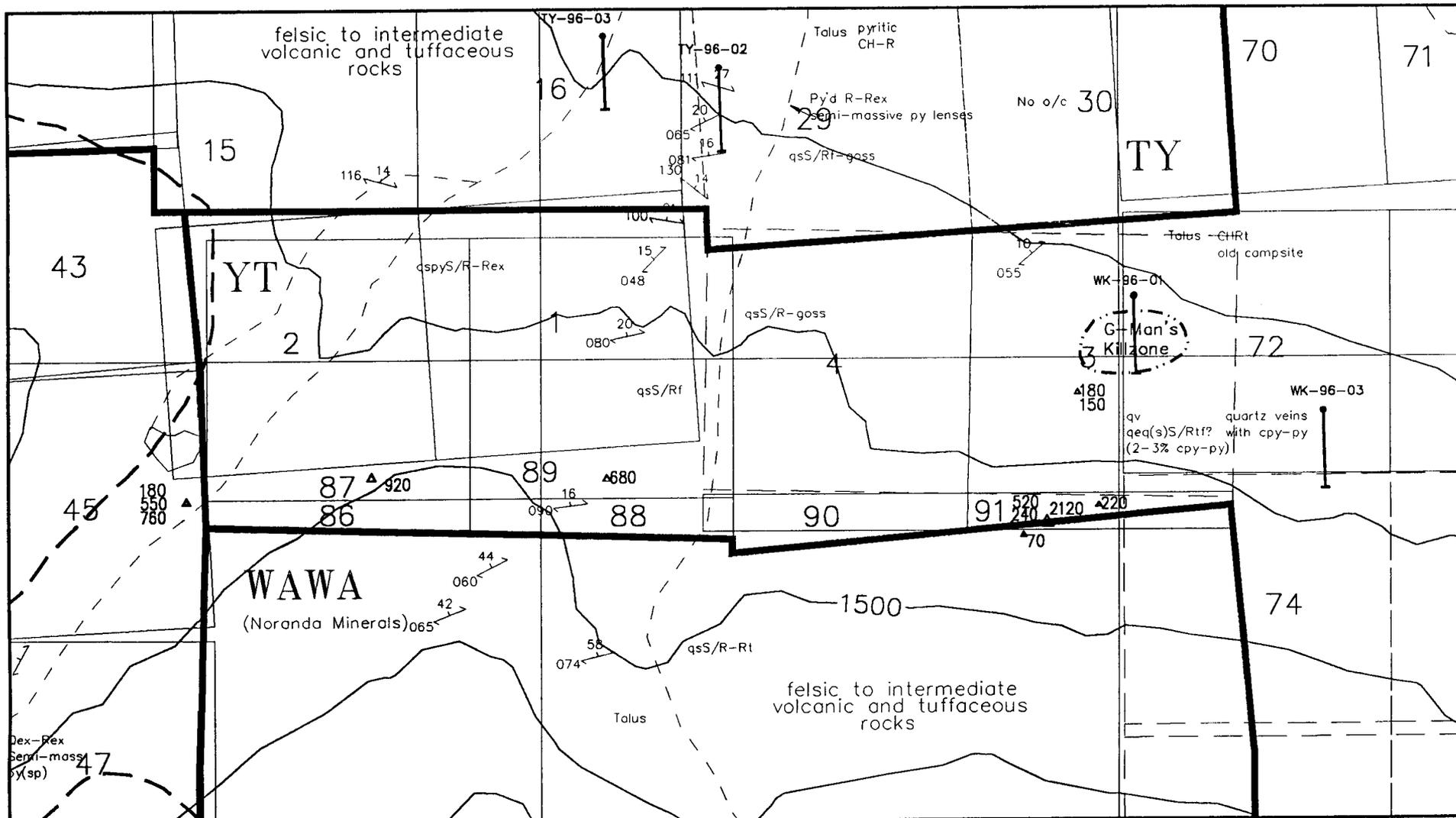
Structural Features

Hydrogeologic Features

WESTERN RESOURCES LIMITED	
Cu in ppm	
1987 Rock Sampling	
WMA/TY Properties	
SCALE 1:100,000	
0.4	



	<p>UTM GRID NAD 83 Please refer to Appendix F for details of this map.</p>	<p>WESTMAN Outer Block Outlines (WAWA and TY Outlines)</p> <p>WESTMAN / NORANDA BAY MINERALS TY Outer Block Outlines Area</p>	<p>TY-96-01 - DRILL HOLE WITH IDENTIFIER</p>	<p>Contours Layers Topographic Contours (100m contour interval)</p>	<p>Geological Symbols</p> <ul style="list-style-type: none"> Pyritic CH-R Semi-massive py lenses qsS/Rf-goss Talus - CHRT old campsite quartz veins qeq(s)S/Rtf? with cpy-py (2-3% cpy-py) Talus felsic to intermediate volcanic and tuffaceous rocks 	<p>WESTMAN RESOURCES LIMITED</p> <p>Zn in ppm 1997 Rock Sampling WAWA/TY Properties</p> <p>Scale 1:10,000</p>
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derived from a portion which fractionated plagioclase. GBYT97-03, which has low Zr (16.5 ppm) and high SiO₂ (90%), is a chert or silica exhalite unit. It is not elevated in metals and so must be distal to any hydrothermal venting. It has a similar REE pattern to the other two samples, a lower Σ REE and a negative Eu anomaly of similar magnitude to DTYT97-04.

7.0 CONCLUSIONS AND RECCOMENDATIONS

Based on the limited prospecting and sampling work carried out on the claims during this years work, and on the more detailed surface work and drilling carried out in 1996, no further work is recommended on this area of the WIKAYT claim group. The lithologies in this area are felsic volcanic-volcaniclastic and intrusive protolithed rocks with little to no evidence for the depositional breaks required in most cases to allow for the accumulation of massive sulphides. Further work on the property should focus on the claims to the east where there is less exposure, more pervasive alteration, and local phyllite after shale units.

REFERENCES

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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 a program consisting of prospecting and rock sampling was carried out on the YT 86-91 claims on September 14, 1997. The following expenses were incurred during the course of this work.

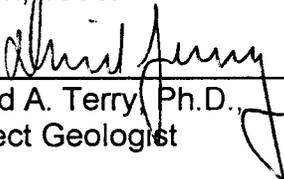
Labour	\$726.10
Camp costs	\$300.00
Helicopter	\$725.00
Shipping	\$50.00
Geochemistry	\$364.53
Report Preparation	\$450.00
Total expenditures	\$2,615.63

Notes:

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

And I make this solemn declaration conscientiously believing it to be true and knowing 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 17 day of March, 1998.



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

APPENDIX B
CLAIM INFORMATION

REF DISP N	POSITION NAM	Due date
YB	70879 WIKA 1	February 6, 2001
YB	70880 WIKA 2	February 6, 2001
YB	70881 WIKA 3	February 6, 2001
YB	70882 WIKA 4	February 6, 2001
YB	70883 WIKA 5	February 6, 2001
YB	70884 WIKA 6	February 6, 2001
YB	70885 WIKA 7	February 6, 2001
YB	70886 WIKA 8	February 6, 2001
YB	70887 WIKA 9	February 6, 2001
YB	70888 WIKA 10	February 6, 2001
YB	70889 WIKA 11	February 6, 2001
YB	70890 WIKA 12	February 6, 2001
YB	70891 WIKA 13	February 6, 2001
YB	70892 WIKA 14	February 6, 2001
YB	70893 WIKA 15	February 6, 2001
YB	70894 WIKA 16	February 6, 2001
YB	70895 WIKA 17	February 6, 2001
YB	70896 WIKA 18	February 6, 2001
YB	70897 WIKA 19	February 6, 2001
YB	70898 WIKA 20	February 6, 2001
YB	70899 WIKA 21	February 6, 2001
YB	70900 WIKA 22	February 6, 2001
YB	70901 WIKA 23	February 6, 2001
YB	70902 WIKA 24	February 6, 2001
YB	70903 WIKA 25	February 6, 2001
YB	70904 WIKA 26	February 6, 2001
YB	70905 WIKA 27	February 6, 2001
YB	70906 WIKA 28	February 6, 2001
YB	70907 WIKA 29	February 6, 2001
YB	70908 WIKA 30	February 6, 2001
YB	70909 WIKA 31	February 6, 2001
YB	70910 WIKA 32	February 6, 2001
YB	70911 WIKA 33	February 6, 2001
YB	70912 WIKA 34	February 6, 2001
YB	70913 WIKA 35	February 6, 2001
YB	70914 WIKA 36	February 6, 2001
YB	70915 WIKA 37	February 6, 2001
YB	70916 WIKA 38	February 6, 2001
YB	70917 WIKA 39	February 6, 2001
YB	70918 WIKA 40	February 6, 2001
YB	70919 WIKA 41	February 6, 2001
YB	70920 WIKA 42	February 6, 2001
YB	70921 WIKA 43	February 6, 2001
YB	70922 WIKA 44	February 6, 2001
YB	70923 WIKA 45	February 6, 2001
YB	70924 WIKA 46	February 6, 2001
YB	70925 WIKA 47	February 6, 2001
YB	70926 WIKA 48	February 6, 2001
YB	70927 WIKA 49	February 6, 2001
YB	70928 WIKA 50	February 6, 2001
YB	70929 WIKA 51	February 6, 2001
YB	70930 WIKA 52	February 6, 2001
YB	70931 WIKA 53	February 6, 2001
YB	70932 WIKA 54	February 6, 2001
YB	70933 WIKA 55	February 6, 2001
YB	70934 WIKA 56	February 6, 2001
YB	70935 WIKA 57	February 6, 2001

PREF	DISP'N	ISPOSITION NAM	Due date
YB	70936	WIKA 58	February 6, 2001
YB	70937	WIKA 59	February 6, 2001
YB	70938	WIKA 60	February 6, 2001
YB	70939	WIKA 61	February 6, 2001
YB	70940	WIKA 62	February 6, 2001
YB	70941	WIKA 63	February 6, 2001
YB	70942	WIKA 64	February 6, 2001
YB	86723	YT 1	February 7, 2002
YB	86724	YT 2	February 7, 2002
YB	86725	YT 3	February 7, 2002
YB	86726	YT 4	February 7, 2002
YB	86727	YT 5	February 7, 2002
YB	86728	YT 6	February 7, 2002
YB	86729	YT 7	February 7, 2002
YB	86730	YT 8	February 7, 2002
YB	86731	YT 9	February 7, 2002
YB	86732	YT 10	February 7, 2002
YB	86733	YT 11	February 7, 2002
YB	86734	YT 12	February 7, 2002
YB	86735	YT 13	February 7, 2002
YB	86736	YT 14	February 7, 2002
YB	86737	YT 15	February 7, 2002
YB	86738	YT 16	February 7, 2002
YB	86739	YT 17	February 7, 2002
YB	86740	YT 18	February 7, 2002
YB	86741	YT 19	February 7, 2002
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YB	86748	YT 26	February 7, 2002
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YB	86753	YT 31	February 7, 2002
YB	86754	YT 32	February 7, 2002
YB	86755	YT 33	February 7, 2002
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YB	86757	YT 35	February 7, 2002
YB	86758	YT 36	February 7, 2002
YB	86759	YT 37	February 7, 2002
YB	86760	YT 38	February 7, 2002
YB	86761	YT 39	February 7, 2002
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YB	86763	YT 41	February 7, 2002
YB	86764	YT 42	February 7, 2002
YB	86765	YT 43	February 7, 2002
YB	86766	YT 44	February 7, 2002
YB	86767	YT 45	February 7, 2002
YB	86768	YT 46	February 7, 2002
YB	86769	YT 47	February 7, 2002
YB	86770	YT 48	February 7, 2002
YB	86771	YT 49	February 7, 2002
YB	86772	YT 50	February 7, 2002

PREF	DISP N	ISPOSITION NAM	Due date
YB	86773	YT 51	February 7, 2002
YB	86774	YT 52	February 7, 2002
YB	86775	YT 53	February 7, 2002
YB	86776	YT 54	February 7, 2002
YB	86777	YT 55	February 7, 2002
YB	87290	YT 56	February 26, 2002
YB	87291	YT 57	February 26, 2002
YB	87292	YT 58	February 26, 2002
YB	87293	YT 59	February 26, 2002
YB	87294	YT 60	February 26, 2002
YB	87295	YT 61	February 26, 2002
YB	87296	YT 62	February 26, 2002
YB	87297	YT 63	February 26, 2002
YB	87298	YT 64	February 26, 2002
YB	87299	YT 65	February 26, 2002
YB	87300	YT 66	February 26, 2002
YB	87301	YT 67	February 26, 2002
YB	87302	YT 68	February 26, 2002
YB	87303	YT 69	February 26, 2002
YB	87304	YT 70	February 26, 2002
YB	87305	YT 71	February 26, 2002
YB	87306	YT 72	February 26, 2002
YB	87307	YT 73	February 26, 2002
YB	87308	YT 74	February 26, 2002
YB	87309	YT 75	February 26, 2002
YB	87310	YT 76	February 26, 2002
YB	87311	YT 77	February 26, 2002
YB	87312	YT 78	February 26, 2002
YB	87313	YT 79	February 26, 2002
YB	87314	YT 80	February 26, 2002
YB	87315	YT 81	February 26, 2002
YB	87316	YT 82	February 26, 2002
YB	87317	YT 83	February 26, 2002
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YB	87319	YT 85	February 26, 2002
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YB	87464	YT 88	September 20, 2001
YB	87465	YT 89	September 20, 2001
YB	87466	YT 90	September 20, 2001
YB	87467	YT 91	September 20, 2001

APPENDIX C
LIST OF PERSONNEL

LIST OF PERSONNEL

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

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

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

APPENDIX D
GEOLOGIST CERTIFICATE

GEOLOGIST CERTIFICATE

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

1. THAT I am a Project Geologist with Westmin Resources Limited with offices at #904-1055 Dunsmuir Street, Vancouver, British Columbia.
2. THAT I have practiced my profession with various mining companies in Ontario, Quebec, British Columbia, Yukon, the United States, Argentina, and Chile for nine years.
3. THAT I am a graduate of the University of Western Ontario and hold a Bachelor of Science in Geology (1988) and a Doctor of Philosophy in Geology (1997).
4. THAT I am a member of the Prospectors and Developers Association of Canada, the Geological Society of America, and the Society of Economic Geologists.
5. THAT this report is based on property work I personally supervised on September 14, 1997.
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 ____ day of _____, 1998.

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

APPENDIX D
ROCK SAMPLE DESCRIPTIONS

Rock Sample Descriptions

Sample	Certificate	Easting	Northing	Sample Description
DTYT97-01	A9744506	437385	6780753	lt green strongly foliated quartz-eye quartz-sericite schist after rhyolite volcanoclastic
DTYT97-02	A9744506	437385	6780753	light grey-green quartz-eye quartz-sericite schist after rhyolite volcanoclastic
DTYT97-03	A9744506	437385	6780753	bull white coarse-grained quartz vein with NVS; locally Mn stained vugs
DTYT97-04	A9744506	437706	6780795	light grey-pink K-feldspar-quartz-chlorite-muscovite gniess after intermediate-felsic intrusive; NVS
DTYT97-05	A9744506	438114	6780791	orange-weathering light green-grey fine-grained quartz-eye quartz-sericite schist with 3-5% fine-grained disseminated pyrite
GBYT97-01	A9744506	438814	6780705	light grey coloured quartz schist; NVS
GBYT97-02	A9744506	438814	6780705	light yellow-green coloured quartz-sericite schist; tr-1% fine-grained pyrite
GBYT97-03	A9744506	438965	6780740	massive siliceous rock; chert; NVS
GBYT97-04	A9744506	438928	6780942	quartz-eye quartz sericite schist after volcanoclastic rhyolite
MPYT97-01	A9744506	438835	6780687	As above
MPYT97-02	A9744506	438875	6780711	light yellow coloured quartz-eye sericite schist after rhyolite; tr-1% py
MPYT97-03	A9744506	438928	6780942	light coloured siliceous rock; NVS

APPENDIX F
ASSAY CERTIFICATES



Chemex Labs Ltd.

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

o: WESTMIN RESOURCES LTD.

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

INVOICE NUMBER

I 9 7 4 4 5 0 6

BILLING INFORMATION

Date: 6-OCT-97
Project: 6413 (YT)
P.O. No.:
Account: GP W

Comments: ATTN: DAVID TERRY -VANCOUVER
OFFICE

Billing: For analysis performed on
Certificate A9744506

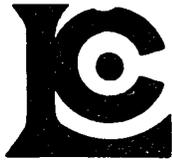
Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

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

COPY

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
12	205 - Geochem ring to approx 150 mesh ICP-T27 total digest ICP 0-3 Kg crush and split	2.50 20.00 2.60		
	983 - Au ppb FA+AA	9.75	34.85	418.20
Total Cost \$				418.20
Client Discount (25%) \$				<u>-104.55</u>
Net Cost \$				313.65
(Reg# R100938885) GST \$				<u>21.96</u>
TOTAL PAYABLE (CDN) \$				335.61



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

A9744506

Comments: ATTN: DAVID TERRY

CERTIFICATE **A9744506**

(GP W) - WESTMIN RESOURCES LTD.

Project: 6413
 P.O.#:

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

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	12	Geochem ring to approx 150 mesh
226	12	0-3 Kg crush and split
3202	12	Rock - save entire reject
285	12	ICP - HF digestion charge
287	12	Special dig'n with organic ext'n

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	12	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
13	12	As ppm: HNO3-aqua regia digest	AAS-HYDRIDE/EDL	1	10000
22	12	Sb ppm: HCl-KClO3 digest, extrac	AAS-BKGD CORR	0.2	1000
20	12	Hg ppb: HNO3-HCl digestion	AAS-FLAMELESS	10	100000
578	12	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	12	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	12	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	12	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	12	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	12	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	12	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	12	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	12	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	12	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	12	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	12	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	12	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	12	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	12	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	12	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	12	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	12	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	12	Pb ppm: 24 element, rock & core	AAS	2	10000
582	12	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	12	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	12	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	12	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	12	Zn ppm: 24 element, rock & core	ICP-AES	2	10000



Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
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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 : 6413
Comments: ATTN: DAVID TERRY

Page 1 of 1-A
Total Pages : 1
Certificate Date: 05-OCT-97
Invoice No. : 19744506
P.O. Number :
Account : GP W

CERTIFICATE OF ANALYSIS A9744506

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)
DTYT97-01	205 226	< 5	1	0.4	< 10	< 0.2	7.77	760	1.5	2	1.79	0.5	< 1	103	38
DTYT97-02	205 226	< 5	6	0.2	< 10	< 0.2	8.51	550	1.5	4	0.14	1.5	18	80	141
DTYT97-03	205 226	< 5	2	0.2	< 10	< 0.2	1.01	180	< 0.5	< 2	0.04	< 0.5	1	326	14
DTYT97-04	205 226	< 5	2	0.2	10	< 0.2	6.35	920	2.0	< 2	0.11	0.5	< 1	84	8
DTYT97-05	205 226	30	1	< 0.2	10	< 0.2	7.90	680	1.0	6	2.22	0.5	30	115	1960
GBYT97-01	205 226	< 5	4	< 0.2	< 10	< 0.2	7.39	240	0.5	< 2	2.44	0.5	7	58	452
GBYT97-02	205 226	< 5	1	0.2	< 10	< 0.2	7.99	520	1.0	< 2	2.03	0.5	5	81	214
GBYT97-03	205 226	< 5	2	0.2	< 10	< 0.2	1.42	220	< 0.5	< 2	0.05	< 0.5	2	157	58
GBYT97-04	205 226	< 5	4	0.2	10	0.4	0.96	180	< 0.5	< 2	0.03	< 0.5	1	239	35
MPYT97-001	205 226	< 5	4	0.2	< 10	< 0.2	5.91	70	1.0	< 2	3.01	0.5	40	1110	109
MPYT97-002	205 226	< 5	1	< 0.2	10	< 0.2	6.63	2120	1.5	< 2	0.17	1.5	2	117	34
MPYT97-003	205 226	< 5	4	< 0.2	< 10	< 0.2	0.27	150	< 0.5	< 2	0.01	< 0.5	2	188	104

CERTIFICATION: Hank 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

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

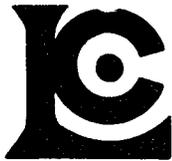
Project : 6413
Comments: ATTN: DAVID TERRY

Page : 1 of 1
Total Pages : 1
Certificate Date: 05-OCT-97
Invoice No. : I9744506
P.O. Number :
Account : GP W

CERTIFICATE OF ANALYSIS A9744506

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)
DTYT97-01	205 226	4.45	1.38	1.50	435	3	0.66	2	430	30	254	0.23	118	< 10	112
DTYT97-02	205 226	4.80	1.47	1.59	650	5	0.78	5	460	30	95	0.27	152	< 10	162
DTYT97-03	205 226	0.83	0.23	0.28	115	2	0.09	4	140	4	13	0.03	18	< 10	28
DTYT97-04	205 226	1.08	4.49	0.23	220	1	1.53	3	90	24	92	0.09	11	< 10	42
DTYT97-05	205 226	4.81	1.62	1.62	270	8	1.31	6	450	4	201	0.26	143	< 10	30
GBYT97-01	205 226	2.89	0.88	1.92	455	13	1.68	4	410	8	322	0.23	121	< 10	44
GBYT97-02	205 226	3.32	1.36	1.82	230	9	1.86	2	440	28	327	0.25	130	< 10	44
GBYT97-03	205 226	1.89	0.04	0.75	335	< 1	0.47	14	280	14	18	0.11	31	< 10	64
GBYT97-04	205 226	2.15	0.29	0.29	925	3	0.05	6	50	12	5	0.02	32	< 10	50
MPYT97-001	205 226	5.56	0.15	8.18	1100	< 1	1.42	407	1190	< 2	112	0.32	180	< 10	104
MPYT97-002	205 226	0.89	3.97	0.13	840	1	0.26	3	40	16	53	0.04	4	< 10	80
MPYT97-003	205 226	0.87	0.05	0.13	85	3	0.03	6	60	4	5	< 0.01	8	< 10	22

CERTIFICATION: *David Terry*



Chemex Labs Ltd.

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

J: WESTMIN RESOURCES LTD.

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

INVOICE NUMBER **I 9 7 4 4 5 0 7**

BILLING INFORMATION

Date: 14-OCT-97
 Project: 6413
 P.O. No.:
 Account: GP W

Comments: ATTN: DAVID TERRY -VANCOUVER OFFICE

Billing: For analysis performed on Certificate A9744507

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

Please Remit Payments to:

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

COPY

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
3	299 - Pulp; prepped on other workorder A-12 W.R.A ICP	0.00 21.00	21.00	63.00
Total Cost \$				63.00
Client Discount (25%) \$				-15.75
Net Cost \$				47.25
(Reg# R100938885) GST \$				3.31
TOTAL PAYABLE (CDN) \$				50.56



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

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

A9744507

Comments: ATTN: DAVID TERRY

CERTIFICATE

A9744507

(GP W) - WESTMIN RESOURCES LTD.

Project: 6413
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 13-OCT-97.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
299	3	Pulp; prepped on other workorder
200	3	Whole rock fusion

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
594	3	Al2O3 %: Whole rock	ICP-AES	0.01	100.00
588	3	CaO %: Whole rock	ICP-AES	0.01	100.00
590	3	Cr2O3 %: Whole Rock	ICP-AES	0.01	100.00
586	3	Fe2O3(total) %: Whole rock	ICP-AES	0.01	100.00
821	3	K2O %: Whole rock	ICP-AES	0.01	100.00
593	3	MgO %: Whole rock	ICP-AES	0.01	100.00
596	3	MnO %: Whole rock	ICP-AES	0.01	100.00
599	3	Na2O %: Whole rock	ICP-AES	0.01	100.00
597	3	P2O5 %: Whole rock	ICP-AES	0.01	100.00
592	3	SiO2 %: Whole rock	ICP-AES	0.01	100.00
595	3	TiO2 %: Whole rock	ICP-AES	0.01	100.00
475	3	L.O.I. %: @ 1000 deg.C	FURNACE	0.01	99.99
540	3	Total %	CALCULATION	0.01	105.00



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

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

Project: 6413
Comments: ATTN: DAVID TERRY

Page Number: 1
Total Pages: 1
Certificate Date: 13-OCT-97
Invoice No.: 19744507
P.O. Number:
Account: GP W

CERTIFICATE OF ANALYSIS A9744507

SAMPLE	PREP CODE	Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	LOI %	TOTAL %
DTYT97-01	299 200	15.39	2.72	0.01	6.81	1.69	2.60	0.07	0.82	0.13	65.50	0.44	4.34	100.50
DTYT97-04	299 200	12.76	0.10	0.01	1.67	6.20	0.42	0.03	2.32	0.07	75.00	0.18	1.06	99.82
GBYT97-03	299 200	2.07	0.02	0.01	2.16	0.24	1.34	0.04	0.84	0.03	90.00	0.08	1.59	98.42

CERTIFICATION: Hart Buchler



Chemex Labs Ltd.

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

J: WESTMIN RESOURCES LTD.

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

INVOICE NUMBER I 9 7 4 4 5 0 8

BILLING INFORMATION

Date: 16-OCT-97
 Project: 6413
 P.O. No.:
 Account: GP W

Comments: ATTN: DAVID TERRY -VANCOUVER OFFICE

Billing: For analysis performed on Certificate A9744508

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

Please Remit Payments to:

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

COPY

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
3	299 - Pulp; prepped on other workorder A390 ICP-MS W.R.A add-on	0.00 32.00	32.00	96.00
			Total Cost \$	96.00
			Client Discount (25%) \$	-24.00
			Net Cost \$	72.00
			(Reg# R100938885) GST \$	5.04
			TOTAL PAYABLE (CDN) \$	77.04



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

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

A9744508

Comments: ATTN: DAVID TERRY

CERTIFICATE **A9744508**

(GP W) - WESTMIN RESOURCES LTD.

Project: 6413
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 11-OCT-97.

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
299	3	Pulp; prepped on other workorder Meta-borate fusion charge
297	3	

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
2855	3	Ba ppm: ICP-MS	ICP-MS	0.5	10000
2501	3	Ce ppm: ICP-MS	ICP-MS	0.5	10000
2858	3	Cs ppm: ICP-MS	ICP-MS	0.1	10000
2859	3	Co ppm: ICP-MS	ICP-MS	0.5	10000
2860	3	Cu ppm: ICP-MS	ICP-MS	5	10000
2502	3	Dy ppm: ICP-MS	ICP-MS	0.1	1000
2503	3	Er ppm: ICP-MS	ICP-MS	0.1	1000
2504	3	Eu ppm: ICP-MS	ICP-MS	0.1	1000
2505	3	Gd ppm: ICP-MS	ICP-MS	0.1	1000
2861	3	Ga ppm: ICP-MS	ICP-MS	1	1000
2842	3	Hf ppm: ICP-MS	ICP-MS	1	10000
2506	3	Ho ppm: ICP-MS	ICP-MS	0.1	1000
2507	3	La ppm: ICP-MS	ICP-MS	0.5	10000
2862	3	Pb ppm: ICP-MS	ICP-MS	5	10000
2508	3	Lu ppm: ICP-MS	ICP-MS	0.1	1000
2509	3	Nd ppm: ICP-MS	ICP-MS	0.5	1000
2863	3	Ni ppm: ICP-MS	ICP-MS	5	10000
2844	3	Nb ppm: ICP-MS	ICP-MS	1	10000
2510	3	Pr ppm: ICP-MS	ICP-MS	0.1	1000
2864	3	Rb ppm: ICP-MS	ICP-MS	0.2	10000
2511	3	Sm ppm: ICP-MS	ICP-MS	0.1	1000
2865	3	Ag ppm: ICP-MS	ICP-MS	1	1000
2867	3	Sr ppm: ICP-MS	ICP-MS	0.1	10000
2868	3	Ta ppm: ICP-MS	ICP-MS	0.5	10000
2512	3	Tb ppm: ICP-MS	ICP-MS	0.1	1000
2869	3	Tl ppm: ICP-MS	ICP-MS	0.5	1000
2550	3	Th ppm: ICP-MS	ICP-MS	1	1000
2513	3	Tm ppm: ICP-MS	ICP-MS	0.1	1000
2870	3	Sn ppm: ICP-MS	ICP-MS	1	10000
2871	3	W ppm: ICP-MS	ICP-MS	1	10000
2549	3	U ppm: ICP-MS	ICP-MS	0.5	1000
2872	3	V ppm: ICP-MS	ICP-MS	5	10000
2514	3	Yb ppm: ICP-MS	ICP-MS	0.1	1000
2873	3	Y ppm: ICP-MS	ICP-MS	0.5	10000
2874	3	Zn ppm: ICP-MS	ICP-MS	5	10000
2875	3	Zr ppm: ICP-MS	ICP-MS	0.5	10000



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

Page Number : 1-A
 Total Pages : 1
 Certificate Date: 11-OCT-97
 Invoice No. : I9744508
 P.O. Number :
 Account : GP W

Project : 6413
 Comments: ATTN: DAVID TERRY

CERTIFICATE OF ANALYSIS	A9744508
--------------------------------	-----------------

SAMPLE	PREP CODE	Ba ppm	Ce ppm	Cs ppm	Co ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Gd ppm	Ga ppm	Hf ppm	Ho ppm	La ppm	Pb ppm	Lu ppm	Nd ppm	Ni ppm	Nb ppm	Pr ppm
DTYT97-01	299 297	850	29.0	1.7	< 0.5	35	1.6	1.2	0.7	2.2	16	2	0.4	15.0	30	0.1	8.0	< 5	9	3.0
DTYT97-04	299 297	1025	87.5	2.4	3.0	5	4.1	2.9	0.7	5.7	14	3	0.9	50.0	20	0.4	29.0	< 5	14	10.2
GBYT97-03	299 297	165.5	11.0	0.1	< 0.5	10	1.0	0.6	0.1	0.8	3	< 1	0.2	6.0	< 5	0.1	3.0	< 5	2	1.2

CERTIFICATION: David Terry



Chemex Labs Ltd.

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Client: WESTMIN RESOURCES LTD.
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Page: 1 of 1
Total Pages: 1
Certificate Date: 11-OCT-97
Invoice No.: I9744508
P.O. Number:
Account: GP W

Project: 6413
Comments: ATTN: DAVID TERRY

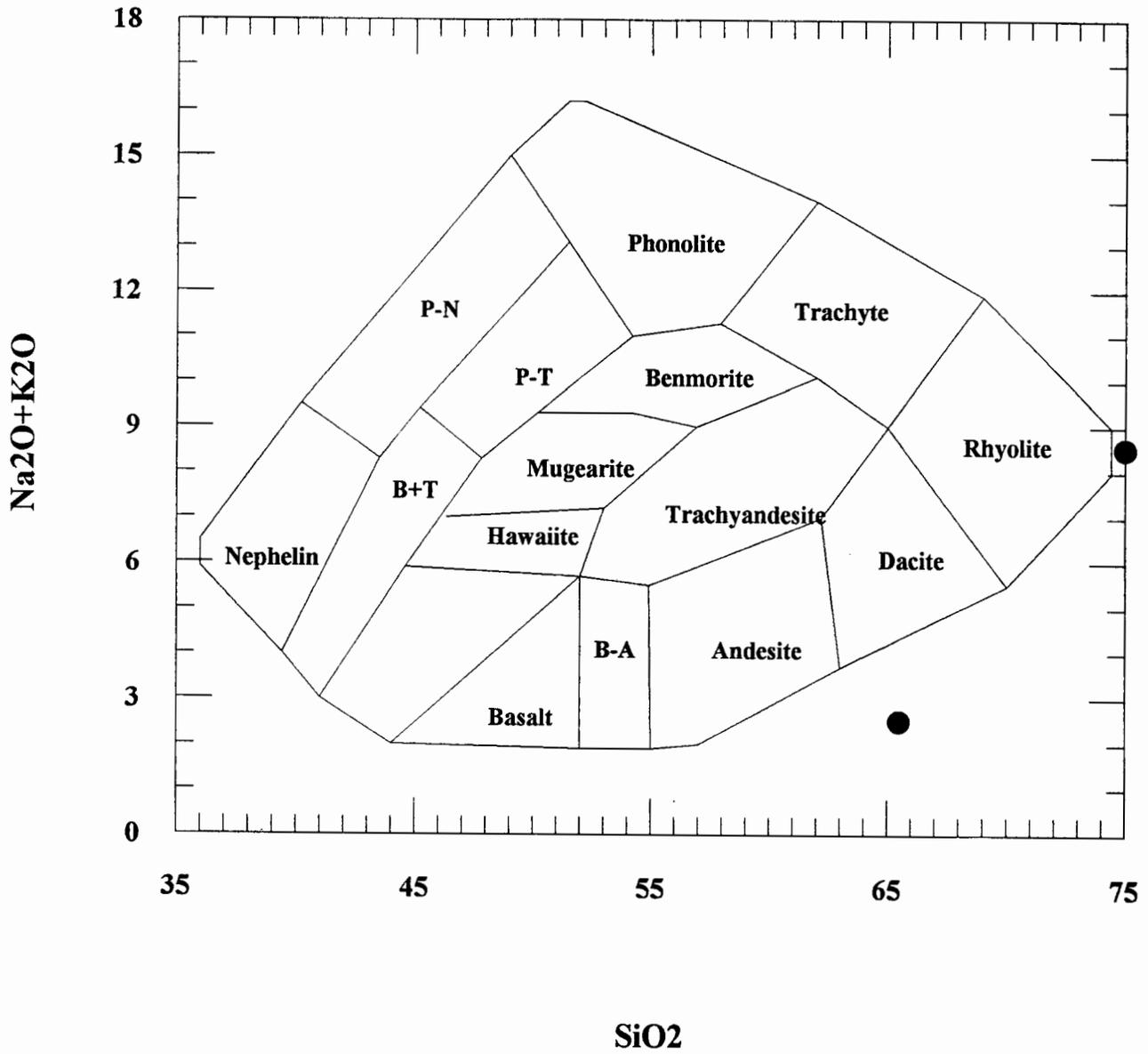
CERTIFICATE OF ANALYSIS A9744508

SAMPLE	PREP CODE		Rb	Sm	Ag	Sr	Ta	Tb	Tl	Th	Tm	Sn	W	U	V	Yb	Y	Zn	Zr
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DYTT97-01	299	297	55.6	1.8	< 1	256	2.5	0.4	0.5	5	0.2	5	5	3.0	120	1.3	8.5	105	98.5
DYTT97-04	299	297	185.0	5.5	< 1	94.1	6.5	0.8	0.5	16	0.5	2	1	5.0	15	2.6	22.0	35	112.0
GBYT97-03	299	297	3.2	0.7	< 1	22.7	3.5	0.1	< 0.5	< 1	0.1	< 1	2	0.5	20	0.6	6.0	20	16.5

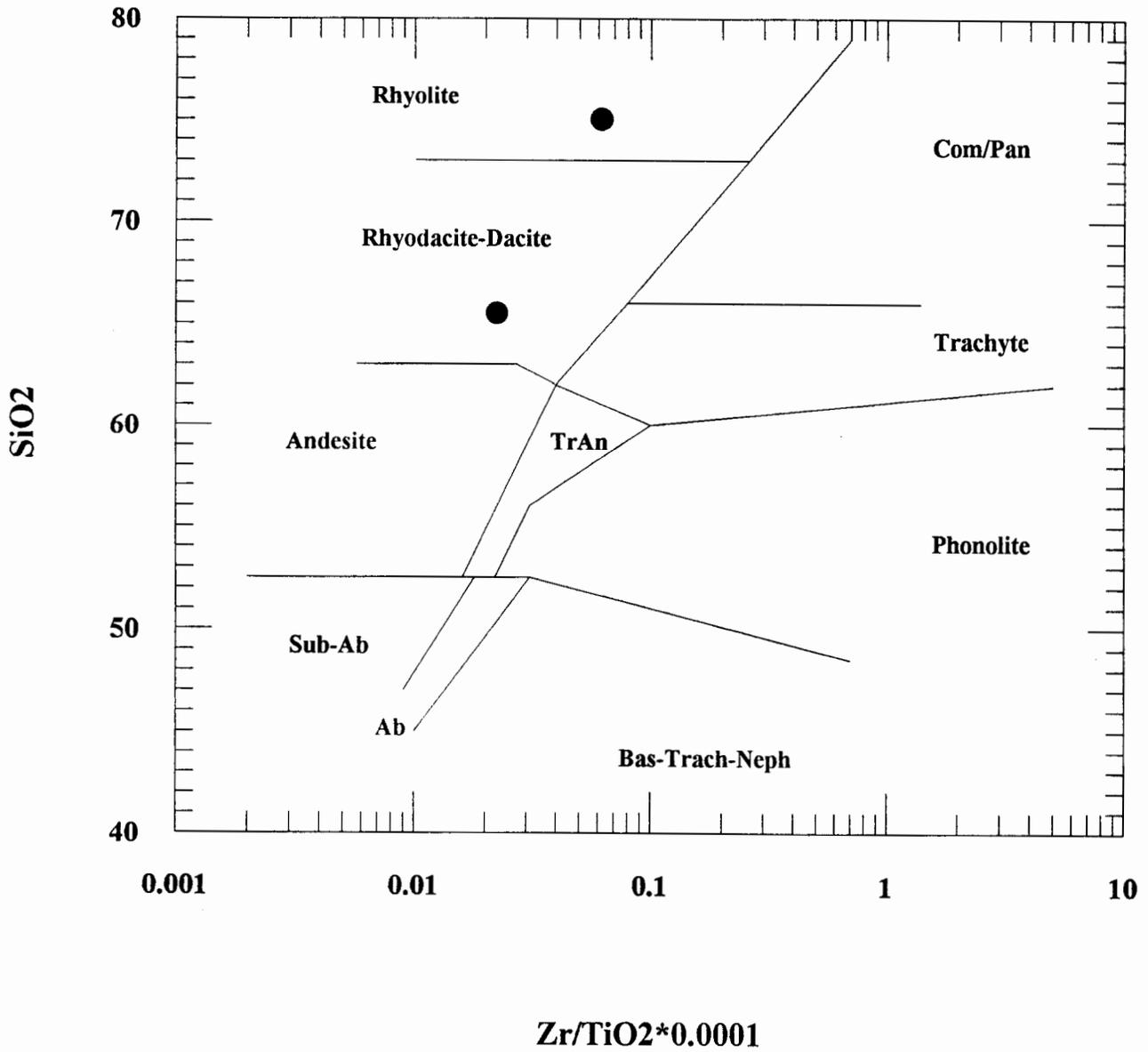
CERTIFICATION: Hart/Schler

APPENDIX G
WHOLE ROCK PLOTS

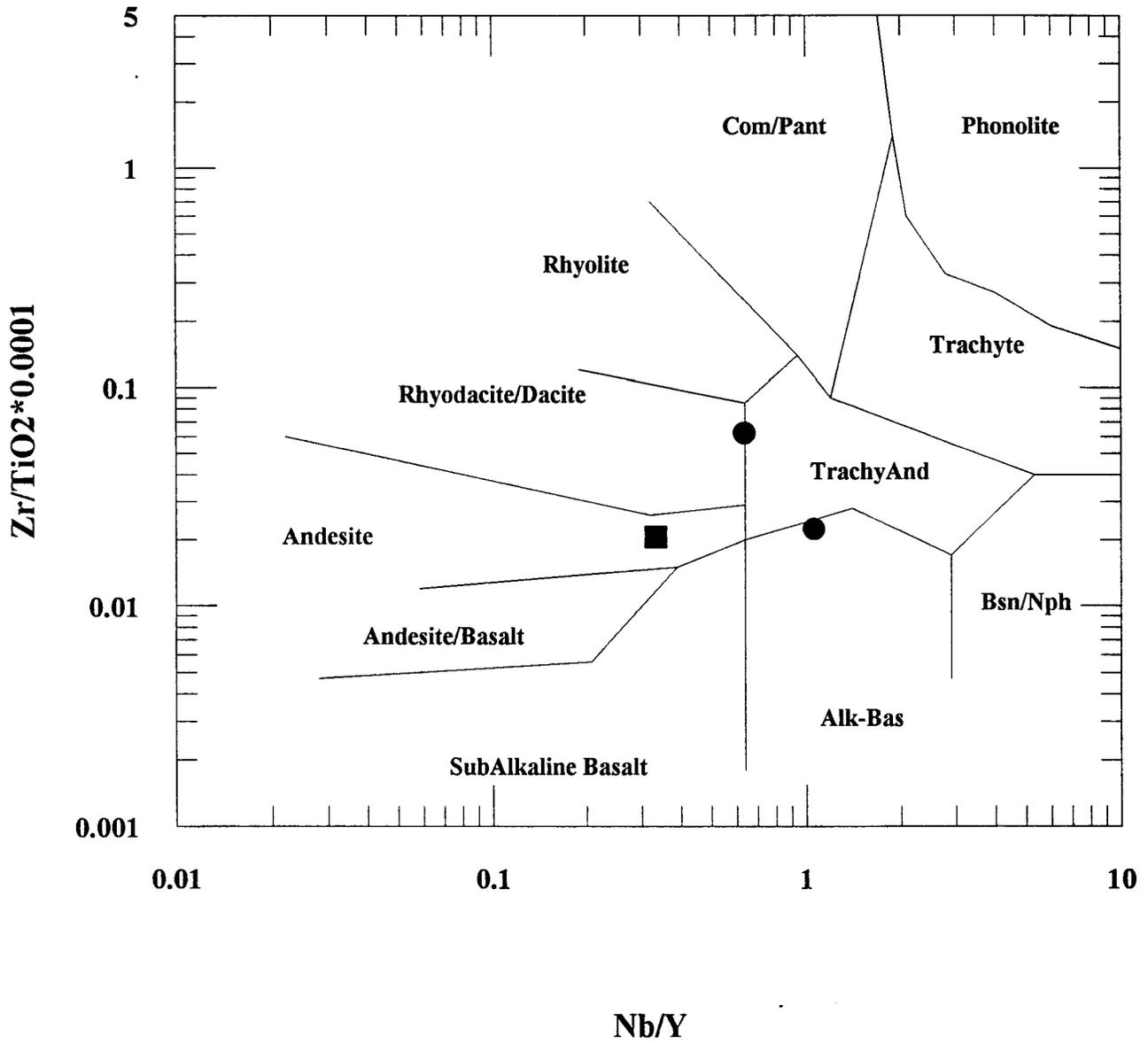
APPENDIX G-1



APPENDIX G-2



APPENDIX G-3



APPENDIX G-4

